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Sent VIA Federal Express

February 27, 2010

Mr. Dane L. Finerfrock
Co-Executive Secretary
Utah Water Quality Board
State of Utah Department of Environmental Quality
168 North 1950 West
Salt Lake City, UT 84114-4850

**Re: Transmittal of 4th Quarter 2009 Routine Chloroform Monitoring Report
UDEQ Docket No. UGQ-20-01- White Mesa Uranium Mill**

Dear Mr. Finerfrock:

Enclosed are two copies of the White Mesa Uranium Mill Chloroform Monitoring Report for the 4th Quarter of 2009 as required by the Notice of Violation and Groundwater Corrective Action Order, UDEQ Docket No. UGQ-20-01.

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

Yours very truly,

A handwritten signature in black ink that appears to read "Jo Ann Tischler".

DENISON MINES (USA) CORP.

Jo Ann Tischler
Director, Compliance and Permitting

CC: Ron F. Hochstein
David C. Frydenlund
Harold R. Roberts
David E. Turk.

White Mesa Uranium Mill

Chloroform Monitoring Report

State of Utah

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

**4th Quarter
(October through December)
2009**

Prepared by:

Denison Mines (USA) Corp. (DUSA)
1050 17th Street, Suite 950
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February 2010

1.0 INTRODUCTION

This is the Quarterly Chloroform Monitoring Report, as required under State of Utah Notice of Violation and Groundwater Corrective Action Order State of Utah Department of Environmental Quality (“UDEQ”) Docket No. UGQ-20-01 for the 2nd Quarter of 2009 (the “Quarter”) for Denison Mines’ (USA) Corp.’s (“DUSA’s”) White Mesa Uranium Mill (the “Mill”). This Report also includes the Operations Report for the Long Term Pump Test at MW-4, TW4-19, TW4-15 (MW-26) and TW4-20 for the Quarter.

2.0 SAMPLING AND MONITORING PLAN

2.1 Description of Monitor Wells Sampled During the Quarter

During the Quarter, the following chloroform contaminant investigation groundwater samples and measurements were taken:

2.1.1 Groundwater Monitoring

Groundwater Monitoring was performed in all of the chloroform monitoring wells, as follows:

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

The locations of these wells are indicated on the map attached under Tab A.

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

- Chloroform
- Chloromethane
- Carbon tetrachloride
- Methylene chloride
- Chloride
- Nitrogen, Nitrate + Nitrite as N

2.1.2 Groundwater Head/Level Monitoring

Depth to groundwater was taken in the following wells and/or piezometers during the Quarter:

- a) All of the chloroform contaminant investigation wells listed in paragraph 2.1.1 above in two measurement events on December 11, 2009;
- b) The point of compliance monitoring wells under the Mill's Groundwater Discharge Permit ("GWDP") on December 11, 2009.
- c) Piezometers – P-1, P-2, P-3, P-4, and P-5 on December 11, 2009.
- d) Nitrate monitoring wells on December 14, 2009.

In addition, weekly depth to groundwater measurements were taken in MW-4, TW4-15 (MW-26), TW4-19 and TW4-20, as part of the long term pumping test for MW-4.

2.2 Sampling Methodology, Equipment and Decontamination Procedures

The sampling methodology, equipment and decontamination procedures that were performed for the chloroform contaminant investigation during the Quarter can be summarized as follows:

2.2.1 Well Purging and Depth to Groundwater

- a) A list is gathered of the wells in order of increasing chloroform contamination. The order for purging is thus established. Mill personnel start purging with all of the non-detect wells and then move to the more contaminated wells in order of chloroform contamination, starting with the wells having the lowest chloroform contamination; and
- b) Before leaving the Mill office, the pump and hose are rinsed with de-ionized ("DI") water. Mill personnel then proceed to the first well which is the well indicating the lowest concentration of chloroform based on the previous quarter's sampling results. Well depth measurements are taken and the two casing volumes are calculated (measurements are made using the same instrument used for the monitoring wells under the Mill's GWDP). The Grundfos pump (a 6 gpm pump) is then lowered to the bottom of the well and purging is begun. At the first well, the purge rate is established for the purging event by using a calibrated 5 gallon bucket. After the evacuation of the first well has been completed, the pump is removed from the well and the process is repeated at each well location moving from least contaminated to most contaminated well. All wells are capped and secured prior to leaving the sampling location.

2.2.2 Sampling

- a) Following the purging of all chloroform investigation wells, the sampling takes place (usually the next morning). Prior to leaving the Mill office to sample, a cooler along with blue ice is prepared. The trip blank is also gathered at that time (the trip blank for these events is provided by the Analytical Laboratory). Once Mill Personnel arrive at the well sites, labels are filled out for the various samples to be collected. All personnel involved with the collection of water and samples are then outfitted with rubber gloves. Chloroform investigation samples are collected by means of dedicated bailers and the wells are purged by means of a dedicated portable pump. Each quarterly pumping and sample collection event begins at the location least affected by chloroform (based on the previous quarter's sampling event) and proceeds by affected concentration to the most affected location. The dedicated portable pump is appropriately decontaminated prior to each purging sampling event and the QA rinsate sample is collected after said decontamination but prior to the commencement of the sampling event. In response to discussions held with UDEQ on October 29, 2009 relative to purging and decontamination of sampling equipment, mill sampling personnel have been re-instructed as to decontamination procedures in accordance with Section 6.2.5 of the QAP and purging practices.
- b) Mill personnel use a disposable bailer to sample each well. 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:
 - (i) First, a set of VOC vials is filled. This set consists of three 40 ml vials provided by the Analytical Laboratory. The set is not filtered and is preserved with HCl;
 - (ii) Second, a 500 ml sample is collected for Nitrates/Nitrites. This sample is also not filtered and is preserved with H₂SO₄ (the bottle for this set is also provided by the Analytical Laboratory);
 - (iii) Third, a 500 ml sample is collected for Chloride. This sample is not filtered and is not preserved; and
- c) 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 blue ice. The well is then recapped and Mill personnel proceed to the next well.

DUSA completed, and transmitted to UDEQ on May 25, 2006, a revised Quality Assurance Plan ("QAP") for sampling under the Mill's GWDP. The GWDP QAP was reviewed by UDEQ and has been approved for implementation. The QAP provides a detailed presentation of procedures utilized for groundwater sampling activities under the GWDP. While the water sampling conducted for chloroform investigation purposes has conformed to the general principles set out in the QAP, some of the requirements in the

QAP were not fully implemented prior to UDEQ's approval for reasons set out in correspondence to UDEQ dated December 8, 2006. Subsequent to the delivery of the December 8, 2006 letter, DUSA discussed the issues brought forward in the letter with UDEQ and has received correspondence from UDEQ about those issues. In response to UDEQ's letter and subsequent discussions with UDEQ, DUSA has incorporated changes in chloroform QA procedures in the form of a separate document. The chloroform QA document describes the differing needs of the chloroform investigation program, and is an attachment to the GWDP QAP where QA needs other than those described in the chloroform QA document are addressed.

2.3 Field Data Worksheets

Attached under Tab B are copies of all Field Data Worksheets that were completed during the Quarter for the chloroform contaminant investigation monitoring wells listed in paragraph 2.1.1 above and sampled during the sampling event of December 14 to 17, December 21 to 22, and December 28 to 29, 2009.

2.4 Depth to Groundwater Sheets

Attached under Tab C are copies of the Depth to Water Sheets for the weekly monitoring of MW-4, TW4-15 (MW-26), TW4-19 and TW4-20 as well as the monthly depth to groundwater monitoring data for chloroform contaminant investigation wells measured during the quarter. Depth-to-groundwater measurements which were utilized for groundwater contours are included on the Field Data Worksheets at Tab B of this report.

3.0 DATA INTERPRETATION

3.1 Interpretation of Groundwater Levels, Gradients and Flow Directions.

3.1.1 Current Site Groundwater Contour Map

The contour map (Tab D) uses the December 11, 2009 data for all the wells listed in paragraph 2.1.2 a0, b), and c), above, and the December 14, 2009 data for the wells listed in 2.1.2 d) above..

Also included under Tab D is a groundwater contour map of the portion of the Mill site where the four chloroform pumping wells are located, with hand-drawn stream tubes, in order to demonstrate hydraulic capture from the pumping

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

The groundwater contour maps for the Mill site for the third quarter of 2009, as submitted with the Chloroform Monitoring Report for the third quarter of 2009, are attached under Tab E.

A comparison of the water table contour maps for the Quarter to the water table contour maps for the previous quarter indicates similar patterns of drawdown related to pumping of MW-4, MW-26 (TW4-15), TW4-19 and TW4-20. Water levels and water level contours for the site have not changed significantly since the last quarter, except for a few locations. Differences in water level contours in the northeastern portion of the site are primarily due to the inclusion of the TWN-series wells in the preparation of the maps and to the surveying of well TW4-25.

Reported increases in water levels of approximately 11 feet in well MW-20 and of approximately 12 feet in well TW4-25 occurred. The reported water level at MW-20 is more typical for the well than the anomalously low value reported for the third quarter. The change in water level elevation at TW4-25 is due to recent surveying of the well and not to a significant change in depth to water.

A reported decrease in water level of approximately 13 feet occurred in pumping well TW4-19 and a reported increase in water level of approximately 5 feet occurred in pumping well MW-26 (TW4-15). Water level changes at pumping wells MW-4 and TW4-20 were less than 5 feet.

Water level fluctuations at pumping wells MW-4, MW-26 (TW4-15), TW4-19, and TW4-20 are due in part to fluctuations in pumping conditions just prior to and at the time the measurements are taken. The largest decrease (increase in drawdown) of approximately 13 feet occurred in well TW4-19 and the largest increase (decrease in drawdown), of approximately 5 feet, occurred at MW-26 (TW4-15).

3.1.3 Hydrographs

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

3.1.4 Depth to Groundwater Measured and Groundwater Elevation

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

3.1.5 Evaluation of the Effectiveness of Hydraulic Capture

Perched water containing chloroform has been removed from the subsurface by pumping MW-4, MW-26 (TW4-15), TW4-19, and TW4-20. The purpose of the pumping is to reduce total chloroform mass in the perched zone as rapidly as is practical. These wells were chosen for pumping because 1) they are located in areas of the perched zone having relatively high permeability and saturated thickness, and 2) high concentrations of chloroform were detected at these locations. The relatively high transmissivity of the perched zone in the vicinity of the pumping wells results in the wells having a relatively

high productivity. The combination of relatively high productivity and high chloroform concentrations allows a high rate of chloroform mass removal.

The impact of pumping these wells is indicated by the water level contour maps attached under Tabs D and E. Cones of depression have developed in the vicinity of the pumping wells which continue to remove significant quantities of chloroform from the perched zone. The water level contour maps indicate that effective capture of water containing high chloroform concentrations in the vicinity of the pumping wells is occurring. As noted in Section 3.1.2, a decrease in water level (increase in drawdown) occurred at TW4-19, and an increase in water level (decrease in drawdown) occurred at MW-26 (TW4-15) since the last quarter. Overall, the combined capture of MW-4, MW-26 (TW4-15), TW4-19, and TW4-20 has not changed significantly since the last quarter. The increase in drawdown at TW4-19 and the decrease in drawdown at MW-26 (TW4-15) have increased, and decreased, respectively, the apparent capture zones of these wells relative to other nearby pumping wells. The apparent expansion of capture in the northeastern portion of the site is primarily due to the inclusion of the TWN-series wells in the preparation of the maps.

Although high chloroform concentrations exist at some locations downgradient of the pumping wells (for example, near TW4-4), the low permeability of the perched zone at these locations would prevent significant rates of chloroform mass removal should these wells be pumped. By pumping at the more productive, upgradient locations, however, the rate of downgradient chloroform migration will be diminished because of the reduction in hydraulic gradients, and natural attenuation will be more effective.

3.2 Interpretation of Analytical Results

3.2.1 Copy of Laboratory Results

Included under Tab H of this Report are copies of all laboratory analytical results for the groundwater quality samples collected under the chloroform contaminant investigation on December 14 to 17, December 21 to 22, and December 28 to 29, 2009 along with the laboratory analytical results for required QC samples.

All required wells were sampled and analyzed. Due to a labeling error, the laboratory mistakenly labeled the analytical results for TW4-5, TW4-6, TW4-10, TW4-18 and TW4-21, as TWN-5, TWN-6, TWN-10, TWN-18 and TWN-21, respectively. (The TWN series refers to nitrate-nitrite wells). Despite the mis-labeling of result sheets as nitrate wells sheets, the QA manager has confirmed that these samples and results are, in fact, for the appropriate TW4 series chloroform monitoring wells.

3.2.2 Electronic Data Files and Format

DUSA has provided to the Executive Secretary an electronic copy of all laboratory results for groundwater quality monitoring conducted under the chloroform contaminant

investigation during the Quarter, in Comma Separated Values (CSV). A copy of the transmittal e-mail is included under Tab I.

3.2.3 Current Chloroform Iso-concentration Map

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

3.2.4 Data and Graphs Showing Chloroform Concentration Trends

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

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

3.2.5 Analysis of Analytical Results

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

- a) Chloroform concentrations have increased by more than 20% in TW4-15 compared to last quarter;
- b) Chloroform concentrations have decreased by more than 20% in the following wells compared to last quarter: TW4-2, TW4-4, TW4-5, TW4-10, TW4-18, TW4-19, TW4-21, and TW4-22;
- c) Chloroform concentrations have remained within 20% in the following wells compared to last quarter: MW-4, TW4-1, TW4-6, TW4-7, TW4-11, TW4-20, and TW4-24;
- d) TW4-3, TW4-8, TW4-9, TW4-12, TW4-13, TW4-14, TW4-16, MW-32 (TW4-17), TW4-23, and TW4-25 remained non-detect.

In addition, since the last quarter, the chloroform concentration in pumping well TW4-20 increased from 13,000 µg/L to 15,000 µg/L, the concentration in pumping well TW4-19 decreased from 6,600 µg/L to 4,700 µg/L, and the concentration in well TW4-22 decreased from 2,300 µg/L to 380 µg/L. Wells TW4-23 and TW4-25 remained non-detect for chloroform, and the concentration in well TW4-24 decreased slightly from 1.4 µg/L to 1.2 µg/L. TW4-24, located west of TW4-22, and TW4-25, located north of TW4-21, bound the chloroform plume to the west and north.

Chloroform concentrations in TW4-6, which was the most downgradient temporary perched well prior to installation of temporary well TW4-23, and which remained outside the chloroform plume until the first quarter of 2009, decreased from 280 µg/L to 250

$\mu\text{g/L}$. This well likely remained outside the chloroform plume between installation in the second quarter of 2000 and the fourth quarter of 2008 due to a combination of 1) slow rates of downgradient chloroform migration in this area due to low permeability conditions and the effects of upgradient chloroform removal by pumping, and 2) natural attenuation. TW4-23 continues to bound the chloroform plume to the south.

The slow rate of chloroform migration in the vicinity of TW4-6 is demonstrated by the contrast between the rate of increase in chloroform at this well compared 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 $\mu\text{g/L}$ within only 2 quarters whereas 16 quarters were required for concentrations in TW4-6 to increase from non-detect to only 81 $\mu\text{g/L}$.

3.3 Quality Assurance Evaluation And Data Validation

Quality assurance evaluation and data validation procedures in effect at the time of sampling were followed. These involve three basic types of evaluations: field QC checks; Analytical Laboratory checks; and checks performed by DUSA personnel, as described below.

3.3.1 Field QC Checks

Field Quality Control samples for the chloroform investigation program consist of one field duplicate sample for each 20 samples, a trip blank for each shipped cooler, and a DI field blank. These check samples are to be generated for each quarterly sampling episode. During the 4th Quarter 2009 duplicates (TW4-65, duplicate of TW4-17) and (TW4-70, duplicate of TW4-2), a DI field blank (TW4-60), and three trip blanks were collected and analyzed. Rinsates were also collected between well samples, and labeled with the name of the subsequently sampled 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.

3.3.2 Analytical Laboratory QA/QC Procedures

The Analytical Laboratory has provided summary reports of the analytical quality assurance/quality control (QA/QC) measurements necessary to maintain conformance with NELAC certification and reporting protocol. The Analytical Laboratory QA/QC Summary Report, including copies of the Mill’s Chain of Custody and Analytical Request Record forms, for the fourth quarter sampling event, are included under Tab H.

3.3.3 Mill QA Manager Review

The Mill QA Manager, which, for these sampling events was DUSA’s Director of Permitting and Compliance, performed four types of reviews: a determination of whether Mill sampling personnel followed Mill sampling procedures; a review of the results from the Field QC Checks; a review of analytical reports for holding times and qualifying

indicators for the data; and a review of the Analytical Laboratory QA/QC analysis. The results of the QA Manager's review are discussed below.

a) Adherence to Mill Sampling SOPs

On a review of adherence by Mill personnel to the sampling procedures summarized in Section 2.2 above, the QA Manager concluded that such procedures had been followed.

b) Results From Field QC Checks

The duplicate samples of TW4-2, and TW4-17 indicated a relative percent difference within the prescribed standard of 20% for all parameters duplicated. The rinsate sample preceding TW4-2 also contained trace presence of chloroform.

During previous report periods it was noted that field blank de-ionized water continued to yield trace volatile organic presence (i.e. chloroform). This matter was further investigated by the QA manager. Samples were collected upstream, downstream and between columns of the deionizer system. to further isolate the cause of this low level contaminant source. The Mill plans to repeat this additional testing one or more additional periods,

The field DI blank for the 4th quarter sampling period did not indicate the presence of chloroform.

In response to program improvement needs the QA Manager has initiated a documented review of field recorded parameters and their adherence with Quality Assurance Plan requirements with regard to well purging volumes, and stability of parameters.

Necessary corrective actions from last monitoring period, completed in accordance with Section 10 of the QAP, are described below:

1. Identification and definition of the problem

The three problems previously identified were

- the failure to evacuate two casing volumes during purging operations,
- the failure to measure at least two field parameter data sets within +/- 10%, and
- the failure to measure turbidity in collected samples.

2. Assignment of responsibility for investigation the problem

The problem has been investigated by the QA Manager.

3. Investigation and determination of cause of the problem

Sampling personnel previously believed that the process of decontaminating prior to each sampling day and proceeding from the least contaminated to most contaminated well was within the QAP guidelines. However, based on discussions with UDEQ on October 29, 2009, it became apparent that the sampling pump must be decontaminated between each sample location in accordance with Section 6.2.5 of the QAP.

Further investigation as to why turbidity was not measured in all wells has identified that the field data worksheet did not have a specific space to record turbidity, and the sampling personnel had not received clear enough instruction that this measurement is required, even though the field sheets do not so indicate. T

4. Determination of a corrective action to eliminate the problem
 - Sampling personnel have been informed that the procedures outlined in the QAP for well purging with regard to evacuation of two casing volumes and at least two sets of field parameters within 10% RDP must be adhered to.
 - Sampling personnel have been informed that non-dedicated sampling equipment must be decontaminated before each sampling event and between each individual sample in accordance with Section 6.2.5 of the QAP.
 - Sampling personnel have been informed that turbidity measurements are required for all samples collected..

5. Assigning and accepting responsibility for implementing the corrective action

It will be the responsibility of the RSO and sampling technicians to implement the corrective action.

6. Implementing the corrective action and evaluating effectiveness

Implementation of the corrective action has occurred by means of the notification and improved instruction cited under item 4, above.

7. Verifying that the corrective action has eliminated the problem

- Two Casing Volumes

The corrective action (instruction) appears to have eliminated the problem. Field personnel have attempted to evacuate two casing volumes on all wells sampled in this period. Further refinement of the method used to improve the accuracy of estimating the correct volume in the field, may be required, as discussed below.

- Rinsate

The corrective action (instruction) appears to have eliminated the problem. During the fourth quarter sampling event, the pump was decontaminated, and rinsate samples collected, before each well sample was collected.

- Turbidity

The corrective action (instruction) appears to have eliminated the turbidity measurement problem. During the fourth quarter sampling event, turbidity was measured and recorded for all wells.

Results of the review of field data sheets for the current (fourth quarter) monitoring period are summarized in the table below:

Summary of Field Data QC Review

Well	2x Casings	Vol pumped (gal)	Vol OK (Y/N)	Conductance		RPD (%)		RPD (%)		Temp. (°C)		RPD (%)		Redox. Potential		RPD (%)		Turbidity (NTU)		RPD (%)		Is NTU <5	
	(gal)																						
	T1			T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2	T1	T2		
MW-4	No Param			2013		6.63		14.09				410			0								Y
TW4-1	64.2	150	Y	2259	2274	-0.17	6.64	6.67	-0.11	13.05	13.19	-0.27	430	430	0.00	25.3	25.7	-0.39	N				
TW4-2	68.64	66	Y	2741	2775	-0.31	6.98	7	-0.07	13.74	13.76	-0.04	488	484	0.21	33.1	32.3	0.61	N				
TW4-3	66.48	66	Y	1800	1803	-0.04	6.82	6.83	-0.04	13.4	13.45	-0.09	475	474	0.05	4.2	3.8	2.50	Y				
TW4-4	66.5	66	Y	2503	2498	0.05	6.76	6.78	-0.07	14.04	14.06	-0.04	469	467	0.11	10.8	9.3	3.73	N				
TW4-5	86.02	84	Y	1761	1763	-0.03	6.93	6.97	-0.14	14.41	14.41	0.00	587	585	0.09	1.7	2.6	-10.47	Y				
TW4-6	36.84	48	Y	3544	3522	0.16	7.22	7.45	-0.78	13.55	13.56	-0.02	508	501	0.35	531	136.6	29.54	N				
TW4-7 ¹	68.8	66	Y	1758	1860	-1.41	7.11	7.15	-0.14	13.43	13.5	-0.13	486	481	0.26	18.8	48.5	-22.07	N				
TW4-8	75.46	72	Y	3293	3329	-0.27	7.08	7.13	-0.18	13.39	13.24	0.28	266	241	2.47	7.4	7.3	0.34	N				
TW4-9	87.42	84	Y	2552	2564	-0.12	6.72	6.93	-0.77	13.54	13.44	0.19	362	358	0.28	1.5	1	10.00	Y				
TW4-10	73.88	72	Y	2702	2848	-1.32	6.82	6.92	-0.36	14.1	14.11	-0.02	514	502	0.59	68	51	7.14	N				
TW4-11	53.46	54	Y	1769	1770	-0.01	7.01	6.99	0.07	12.94	13.1	-0.31	510	509	0.05	3.4	3.2	1.52	Y				
TW4-12	82.2	78	N	792.4	788.1	0.14	7.01	7.05	-0.14	13.81	13.82	-0.02	475	471	0.21	3.6	3.9	-2.00	Y				
TW4-13	73.46	72	Y	1582	1583	-0.02	7.02	6.86	0.58	14.3	14.34	-0.07	466	468	-0.11	15.7	16.5	-1.24	N				
TW4-14 ²	41.96	12	N	2761	4101	-9.76	7.13	6.96	0.60	9.89	12.23	-5.29	460	474	-0.75	20.5	13.1	11.01	N				
TW4-15	NA			3506			6.84		14.01			449			70.3								N
TW4-16	99.48	102	Y	3750	3738	0.08	6.87	6.91	-0.15	14.25	14.03	0.39	375	371	0.27	3.6	1.3	23.47	Y				
TW4-17/MW32	66.2	71.82	Y	4037	4063	-0.16	6.5	6.39	0.43	13.68	13.21	0.87	370	246	10.06	1.1	0.5	18.75	Y				
TW4-18	105.26	102	Y	1410	1413	-0.05	6.82	6.8	0.07	14.3	14.43	-0.23	543	540	0.14	0.4	0.1	30.00	Y				
TW4-19	NA			3067			7.02		14.5			366			0.8								Y
TW4-20	NA			3462			6.5		15.2			529			4.7								Y
TW4-21	86.16	84	Y	3200	3210	-0.08	7.05	7.1	-0.18	15.03	15.04	-0.02	564	559	0.22	1.1	1.2	-2.17	Y				
TW4-22	77.64	78	Y	4981	5207	-1.11	7.14	6.97	0.60	13.89	14.07	-0.32	484	481	0.16	20.8	21.1	-0.36	N				
TW4-23	73.34	72	Y	3687	3690	-0.02	6.57	6.57	0.00	13.33	13.35	-0.04	344	328	1.19	92.5	92.4	0.03	N				
TW4-24	85.7	84	Y	9039	9084	-0.12	6.86	6.87	-0.04	13.99	13.9	0.16	463	462	0.05	3	0.5	35.71	Y				
TW4-25	126.6	126	Y	2965	2966	-0.01	7.16	7.25	-0.31	13.81	13.79	0.04	398	393	0.32	3.6	3.8	-1.35	Y				

Note 1 The well ran dry after last parameters collected

Note 2 The well was evaluated to dryness

As indicated in the table:

- Sampling personnel have implemented a procedure to estimate the evacuation/purging of two sample volumes from each required well.
- Sampling personnel have implemented a real time calculation in the field to confirm that required measured parameters have stabilized within a 10% RPD for each required well.
- Sampling personnel have implemented the measurement of turbidity for each required well.

In addition, it was identified that Chain of Custody sheets for two of the three shipped sample batches recorded that trip blanks were present in the batch. One of the Chain of Custody sheets did not record that a trip blank was included. In fact, trip blanks were correctly shipped from the lab, included in the shipments from the Mill, and analyzed with all three batches. Field sampling personnel indicated that the missed entry on the Chain of Custody was an oversight due to the large amount of information logged on the sheets at one time. Every other entry on all Chain of Custody sheets was correct.

Based on the results in this quarter's field QA/QC review,

1. Identification and definition of the problem

Since implementation of the new measurement procedures:

- Evacuated/purged well volumes now approximate the required two casing volumes, but several of the well volumes appear to vary from 5 to 8% below the targeted volume.
- Field calculations of RPD as a basis for well stability have resulted in acceptable RPD's (within 10%) for all but one parameter (redox potential) in one well.
- Turbidity measurements, now collected for all required wells, exceeded either the maximum turbidity (5NTU), the stability indicator (within 10% RPD), or both, for 18 out of 25 wells.

2. Assignment of responsibility for investigation the problem

The problem has already been investigated by the QA Manager.

3. Investigation and determination of cause of the problem

Purged Volumes

Sampling personnel use purging time, calculated from the required volume and purging rate, as the indicator that they have purged sufficient volume. The calculation is not sufficiently conservative (slightly underestimates the number of minutes) to purge. Steps are underway to modify the estimation for each well to make the estimation more conservative, and add in a margin of safety in the measurement.

RPD

Sampling personnel calculate the RPD between measurements and round the resulting RPD value down to the nearest whole percent. Steps are underway to instruct the sampling personnel to round up, and re-equilibrate and re-measure the parameter a rounded up value is greater than 10%.

Turbidity

Data indicate that it may not be feasible to achieve a turbidity level less than 5 and a stabilized turbidity between any two measurements within 10% RPD.

Discussions are underway with UDEQ to address the issue that it may not be appropriate or feasible to achieve consistent turbidity levels of 5 NTU in the White Mesa chloroform program wells under the current evacuation scheme, and that other well purging approaches, such as micro-purging, may be more appropriate.

4. Determination of a corrective action to eliminate the problem

Purged Volumes

Steps are underway to modify the estimation for each well to make the estimation more conservative, and add in a margin of safety in the measurement.

RPD

Steps are underway to instruct the sampling personnel to round up, and re-equilibrate and re-measure the parameter a rounded up value is greater than 10%.

Turbidity

Discussions are underway with UDEQ to address the issue that it may not be appropriate or feasible to achieve consistent turbidity levels of 5 NTU in the White Mesa chloroform program wells under the current evacuation scheme, and that other well purging approaches, such as micro-purging, may be more appropriate. A proposed request for a variance from the turbidity requirement will be submitted during the next monitoring period. Development of an alternate approach, and proposed changes to the QAO, are underway.

5. Assigning and accepting responsibility for implementing the corrective action

It will be the responsibility of the RSO and sampling technicians to implement the corrective action.

6. Implementing the corrective action and evaluating effectiveness

Implementation of the corrective action for the casing volumes and RPD consistency are already underway. Implementation of the corrective action for turbidity will follow development and UDEQ approval of an agreed upon action, as discussed in item 4.

7. Verifying that the corrective action has eliminated the problem

Purged Volumes

Verification will occur after field data is received from the next sampling period

RPD

Verification will occur after field data is received from the next sampling period

-

Turbidity

Verification will occur following submittal of a proposal to UDEQ to modify the well purging approach.

c) *Review of Analytical Laboratory QA/QC Analysis and Analytical Reports*
sample

- (i) Check samples were reviewed for each method used in analyzing the chloroform investigation samples. These methods were:

<u>Parameter</u>	<u>Method</u>
Nitrogen, (Nitrate + Nitrite as N)	E353.2
Chloroform,	E624
Carbon tetrachloride	E624
Chloromethane	E624
Methylene chloride	E624
Chloride	A4500-CL B

- (ii) The check samples included at least the following: a method blank, a laboratory control spike (sample), a matrix spike and a matrix spike duplicate;
- (iii) All qualifiers, if any, and the corresponding explanations in the summary reports, were reviewed by the QA Manager. Only two qualifiers were reported. One was reported for matrix interference in the nitrate/nitrate result in one of the analyzed monitoring location samples, however, the reporting limit was maintained below the parameter standard and the reported result. One additional qualifier was reported for spike recovery outside acceptable limits for two parameters: The methylene chloride spike for sample TW4-20. One of the surrogate species in the spike, dibromofluoromethane, had a % recovery outside the acceptable limits, however the other three of the four surrogate species in the spike had % recoveries within the required ranges. The sample matrix spike for one nitrate/nitrite sample also had a % recovery outside acceptable limits.
- (iii) The laboratory holding time for all analyses was within chloroform specification and sample temperature was acceptable upon receipt.

4.0 LONG TERM PUMP TEST AT MW-4, TW4-15 (MW-26), TW4-19 AND TW4-20, OPERATIONS REPORT

4.1 Introduction

As a part of the investigation of chloroform contamination at the Mill site, IUSA has been conducting a Long Term Pump Test on MW-4, TW4-19, TW4-15 (MW-26) and TW4-20. The purpose of the test is to serve as an interim action that will remove a significant amount of chloroform-contaminated water while gathering additional data on hydraulic properties in the area of investigation. The following information documents the operational activities during the Quarter.

4.2 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 TW4-15 (MW-26) on August 8, 2003 and from TW4-20 on August 4, 2005. 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. IUSA 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:

- a) Measurement of water levels at MW-4, TW4-19, TW4-15 (MW-26), and TW4-20 on a weekly basis, and at selected temporary wells and permanent monitoring wells on a monthly basis (See Section 3.1 and Tabs B and C for a discussion of the water levels);
- b) Measurement of pumping history:
 - (i) pumping rates
 - (ii) total pumped volume
 - (iii) operational and non-operational periods;
- c) Periodic sampling of pumped water for chloroform and nitrate/nitrite analysis and other constituents, as discussed in detail in Section 3.2 above.

4.3 Water Level Measurements

Beginning August 16, 2003, the frequency of water level measurements from MW-4, TW4-15 (MW-26), and TW4-19 was reduced to weekly. From commencement of pumping TW4-20, water levels in that well 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, TW4-15 (MW-26), TW4-19 and TW4-20 and the October and December monthly Depth to Water monitoring sheets for all of the chloroform contaminant investigation wells are typically included under Tab C but will be transmitted separately on December 1, 2008. Monthly depth to water measurements for September are recorded in the Field Data Worksheets included under Tab B.

4.4 Pumping Rates and Volumes

4.4.1 MW-4

Approximately 91,320 gallons of water were pumped from MW-4 during the Quarter. The average pumping rate from MW-4, when the pump was pumping, was approximately 4.0 gpm throughout the Quarter. The well is not purging continuously, but is on a delay device. The well purges for a set amount of time and then shuts off to allow the well to recharge. Water from MW-4 was transferred to the Cell 1 evaporation pond through a pipeline installed specifically for that purpose.

4.4.2 TW4-19

Approximately 454,205 gallons of water were pumped from TW4-19 during the Quarter. The average pumping rate from TW4-19, when the pump was pumping, was approximately 6.0 gpm throughout the Quarter. The pump in this well is operating on a delay. It pumps for approximately one and a half minutes and then is off for two to three minutes. Water from TW4-19 was directly transferred to the Cell 1 evaporation pond through a pipeline installed specifically for that purpose.

4.4.3 TW4-15 (MW-26)

Approximately 61,960 gallons of water were pumped from TW4-15 (MW-26) during the Quarter. The average flow rate from TW4-15, when the pump was pumping, was approximately 1.5 gpm throughout the Quarter. The well is not purging continuously, but is on a delay device. The well now purges for a set amount of time and then shuts off to allow the well to recharge. The water is directly transferred to the Cell 1 evaporation pond through a pipeline installed specifically for that purpose.

4.4.4 TW4-20

Approximately 208,790 gallons of water were pumped from TW4-20 during the Quarter. The average flow rate from TW4-20, when the pump was pumping, was approximately 6.0 gpm throughout the Quarter. The well is not purging continuously but is on a delay device. The well pump is set on a water elevation device. When the water reaches a set point, the pump turns on until the water level drops to another set point. The water is directly transferred to the Cell 1 evaporation pond through a pipeline installed specifically for that purpose.

4.4.5 Mass Removed

Chloroform removal was estimated as of the 1st Quarter 2007. Since that estimation the mass removed by well for each quarter has been compiled in the table below, indicating that a total of 480.0.pounds of chloroform have been removed.

Mass of Chloroform Removed Per Well Per Quarter					
Chloroform Mass removal (lbs)	MW4	TW4-15	TW4-19	TW4-20	Total Mass Removed (lbs)
Total lbs as of 1 st Qtr 2007	36.8	12.9	150.2	87	286.9
2 nd Qtr 2007 lbs removed	1.4	0.1	0	2.5	4
3 rd Qtr 2007 lbs removed	2.2	0.8	2.9	3.1	9
4 th Qtr 2007 lbs removed	1.7	1	3.1	4.8	10.6
1 st Qtr 2008 lbs removed	1.7	0.4	4.6	7.2	13.9
2 nd Qtr 2008 lbs removed	1.3	0.5	3.2	9.9	14.9
3 rd Qtr 2008 lbs removed	1.2	0.3	15.9	9.3	26.7
4 th Qtr 2008 lbs removed	1.3	0.3	20.7	0.4	22.7
1 st Qtr 2009 lbs removed	1.7	0.4	4.3	3.6	10
2 nd Qtr 2009 lbs removed	6.8	0.2	3.7	2.8	13.5
3 rd Qtr 2009 lbs removed	1.5	0.4	11.1	5.5	18.5
4 th Qtr 2009 lbs removed	4.8	0.6	17.8	26.1	49.3
Total lbs chloroform removed	62.4	17.9	237.5	162.2	480

4.5 Daily Inspections

Denison has submitted an *Operations and Maintenance Plan, Chloroform Pumping System, White Mesa Mill, Blanding, Utah*, Revision 1.0 to UDEQ for approval. Upon approval of that plan, the Mill will commence documenting its daily inspections of the operational status of the chloroform pumping wells on the daily inspection form, an example of the form of which is attached as Tab M, Operational Problems.

No operational problems in the pumping wells were reported during the 4th Quarter, 2009 period.

4.7 Conditions That May Affect Water Levels in Piezometers

No significant amount of water was added to any of the three wildlife diversion ponds during the Quarter.

4.8 Chloroform Analysis

Monthly chloroform sampling ceased on November 8, 2003. From that time all chloroform contaminant investigation wells were sampled on a quarterly basis. The sample results are discussed above in Section 3.2.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The water level contour map for the Quarter indicates that effective capture of water containing high chloroform concentrations in the vicinity of the pumping wells is occurring.

Between the third and fourth quarters of 2009, the chloroform concentration in pumping well TW4-20 increased from 13,000 µg/L to 15,000 µg/L, the concentration in pumping well TW4-19 decreased from 6,600 µg/L to 4,700 µg/L, and the concentration in well TW4-22 decreased from 2,300 µg/L to 380 µg/L. Fluctuations in concentrations in these wells are likely related to variations in pumping in TW4-20 and nearby wells, and their location near the suspected former office leach field source area. Regardless of these measured fluctuations in chloroform concentrations, sampling of temporary wells TW4-24 (located west of TW4-22) and TW4-25 (located north of TW4-21), indicated these wells remain outside the chloroform plume and thus bound the plume to the west and north. Chloroform was not detected at TW4-25, and was detected at a concentration of 1.2 µg/L at TW4-24.

The chloroform concentration at downgradient well TW4-6, which remained outside the plume until the first quarter of 2009, decreased from 280 to 250 µg/L. Although fluctuations in concentrations have occurred, this well likely remained outside the chloroform plume between installation in the second quarter of 2000 and the fourth quarter of 2008 due to a combination of 1) slow rates of downgradient chloroform migration in this area due to low permeability conditions and the effects of upgradient chloroform removal by pumping, and 2) natural attenuation. Chloroform remained non-

detect at downgradient temporary well TW4-23, which continues to bound the chloroform plume to the south.

Continued pumping of MW-4, MW-26 (TW4-15), TW4-19, and TW4-20 is recommended. Pumping these wells, regardless of any short term fluctuations in concentrations detected at the wells (such as at TW4-20), helps to reduce downgradient chloroform migration by removing chloroform mass and reducing average hydraulic gradients, thereby allowing natural attenuation to be more effective.

6.0 SIGNATURE AND CERTIFICATION

This document was prepared by Denison Mines (USA) Corp. on February 27, 2010.

DENISON MINES (USA) CORP.

By:

David C. Frydenlund
Vice President, Regulatory Affairs and Counsel

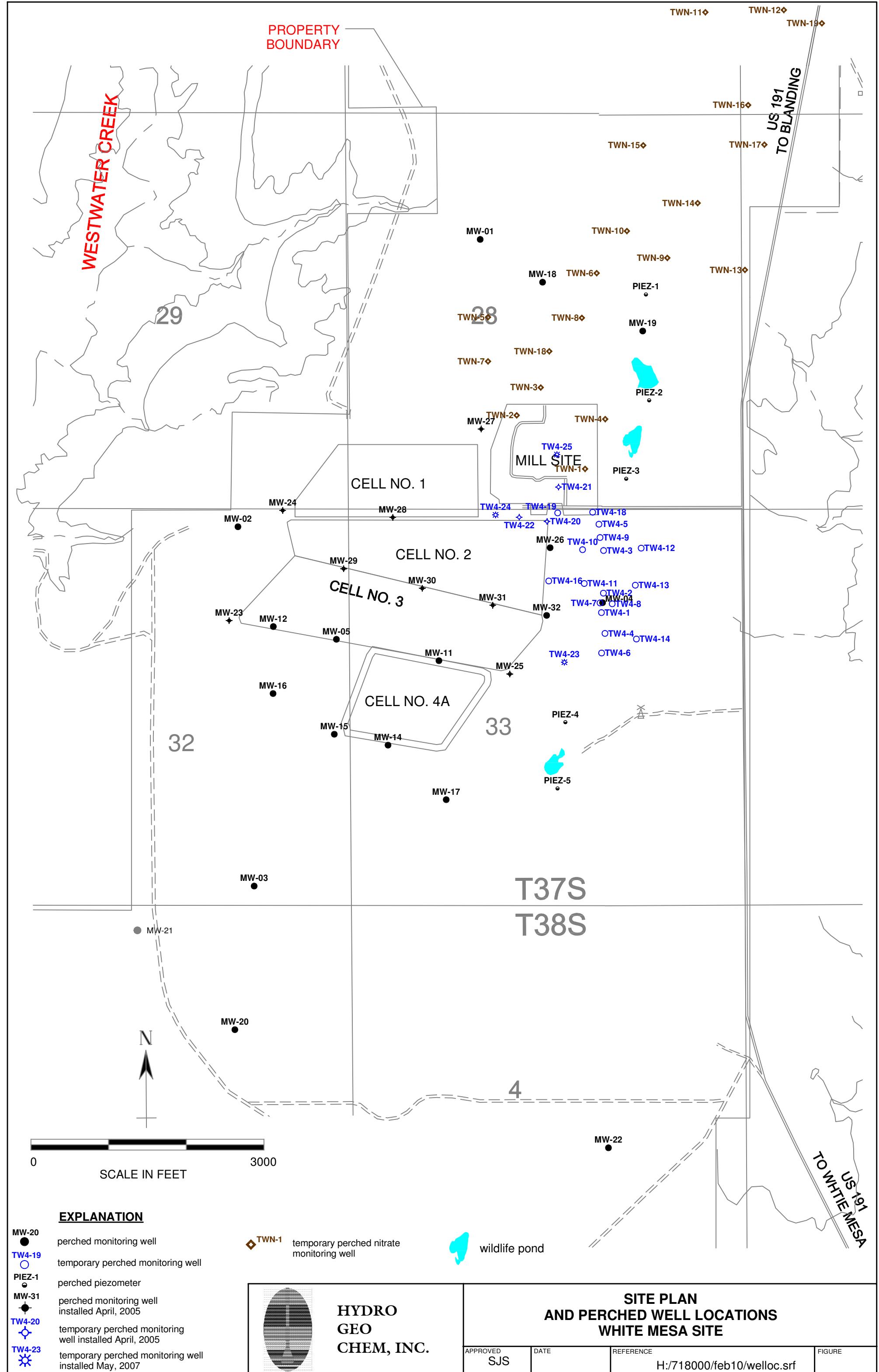
Certification:

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

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

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Tab B

Field Data Worksheets

Order of Contamination for 3rd Quarter 2009 Chloroform Purging Event

Well	Sample time	Chloroform Levels	Water level	Well Depth		12-15-09
12.16	TW4-3 <u>1007</u>	ND	<u>49.24</u>	100	0820	- 3R
	TW4-12 <u>0827</u>	ND	<u>38.47</u>	101.5	0940	- 12 R
	TW4-13 <u>0836</u>	ND	<u>49.18</u>	105.5	1115	- 13 R
	TW4-14 <u>0845</u>	ND	<u>92.73</u>	121.33	1313	14 R
	TW4-17 <u>1346</u> 12.16.09	ND	<u>77.43</u>	130	1412	- 23 R
	TW4-23 <u>0957</u>	ND	<u>67.01</u>	123.3	1412	- 23 R
12.17	TW4-25 <u>0741</u>	ND	<u>45.72</u>	143.15	1555	- 25 R
	TW4-8 <u>0930</u>	ND	<u>68.18</u>	126	1054	- 8 R
	TW4-9 <u>0922</u>	ND		121.33	1245	- 9 R
	TW4-16 <u>0940</u>	ND	<u>65.4</u>	142	1432	- 16 R
	TW4-24 <u>0906</u>	1.5		122	1615	- 24 R
	TW4-5 <u>0910</u>	13		121.75	0850	- 5 R
12.18	TW4-18 <u>0826</u>	16		137.5	0959	- 18 R
	TW4-21 <u>0845</u>	200		125	1117	- 21 R
	TW4-6 <u>0858</u>	120		100	1339	- 6 R
	TW4-15 <u>1420</u>	410	<u>75.36</u>	DNP, continuous pumping well		
	TW4-10 <u>0916</u>	1200		113	1439	- 10 R
	<u>0815</u> TW4-11	980		100	0820	- 11 R
12.19	<u>0836</u> TW4-7	1400		121	1000	- 7 R
	<u>0846</u> TW4-1	1500		111	1103	- 1 R
	<u>12.14</u> MW4 <u>1400</u>	1800	<u>71.33</u>	DNP, continuous pumping well.		
	<u>0854</u> TW4-4	1800		114.5	1157	- 4 R
	<u>0863</u> TW4-22	730		115	1302	- 22 R
	<u>0825</u> TW4-2	2800		121.13	1402	- 2 R
12.19	TW4-19 <u>1550</u>	990	<u>65.50</u>	DNP, continuous pumping well.		
	TW4-20 <u>1325</u>	6800	<u>68.54</u>	DNP, continuous pumping well.		
12-17-09	TW4-60 D.I. Blank	<u>1000</u>				
	TW4-63 Rinsate					
12-16-09	TW4-65 Duplicate	<u>TW4-17</u>				
12-28	TW4-70 Duplicate	<u>TW4-2</u>				
<u>0825</u>	TW4-73 Rinsate					

Comments:

Name: _____

Date: _____

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quartermile chloroform

Sampler:

Location (well name) MW-4

Name and initials Ryan Palmer

Date and Time for Purgging 12-14-07 and Sampling (if different)

Well Purging Equip Used: pump or builder Well Pump (if other than Benzel) Dedicated

Sampling Event chloroform

Prev. Well Sampled in Sampling Event TW4-20

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 997 µMhos/cm

Well Depth

Depth to Water Before Purgging 71.33

Casing Volume (V) 4" Well: .653L

Conductance (mVg)

3" Well: .367L

mL of Water (Govt)

Well Water Temp. (avg)

Redox Potential (Eh)

Turbidity

Weather Cond: clear Sunny
partly cloudy

Ext'l Amb. Temp. (prior to sampling event)

Time: 1357 Gal. Purged 4

Time: 1357 Gal. Purged 20

Conductance 2013

Conductance 2026

pH 6.63

6.85

Temperature 14.09

14.08

Redox Potential (Eh) 410

Redox Potential (Eh) 411

Turbidity 0

0

Time: 1352 Gal. Purged 12

Time: 1356 Gal. Purged 28

Conductance 2027

Conductance 2035

pH 6.79

6.89

Temperature 14.04

Temperature 14.08

Redox Potential (Eh) 410

Redox Potential (Eh) 413

Turb 0.0

Turb 0

Turbidity _____

Turbidity _____

Volume of Water Purged When Field Parameters are Measured N/A

Pumping Rate Calculation

Flow Rate (Q), in gpm. 3.9 GPM
S/6D = N/A Time to evacuate two casing volumes (2V)
 $T = 2V/Q = N/A$

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

If well evacuated to dryness, number of gallons evacuated _____

Name of Certified Analytical Laboratory if Other Than Energy Lab. _____

Type of Sample	Sample Taken (circle)	Sample Volume (Indicate if other than 200 ml/circled)	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="radio"/>	3,40 ml	<input checked="" type="radio"/>	HCl <input checked="" type="radio"/> N
Nutrients	<input checked="" type="radio"/>	100 ml	<input checked="" type="radio"/>	H ₂ SO ₄ <input checked="" type="radio"/> N
Heavy Metals	<input checked="" type="radio"/>	250 ml	<input checked="" type="radio"/>	HNO ₃ <input checked="" type="radio"/> N
All Other Radiologicals	<input checked="" type="radio"/>	250 ml	<input checked="" type="radio"/>	NO PRESERVATIVE ADDED
Gross Alpha	<input checked="" type="radio"/>	1,000 ml	<input checked="" type="radio"/>	H ₂ SO ₄ <input checked="" type="radio"/> N
Other (specify)	<input checked="" type="radio"/>	Sample volume	<input checked="" type="radio"/>	<input checked="" type="radio"/> Y N
<u>General chloride</u>				
If a preservative is used, Specify Type and Quantity of Preservative:				

Comments: Drilled at Site #1340 Flows Palmer present.
All flow measured as this is a previous pumping well. One set
of parameters were taken b this sample after initial collection took
place at 1900 hrs site #1340.2

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Chloroform

Sampler:

Location (well name) TW4-1R

Name and initials Tanner H. Ryan P.

Date and Time for Purging 12-28-07 and Sampling (if different)

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

Sampling Event Chloroform

Prev. Well Sampled in Sampling Event TW4-7

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 997 µMHO/cm

Well ID num 114

Depth to Water Before Purging 14

Casing Volume (V) 4" Well (.653L)

Conductance (avg) 1.7

" Well (.367L)

Well Water Temp (avg) -

Redox Potential (Eh) - Turbidity -

Weather Cond Mostly sunny

Env't Amb. Temp (avg) to sampling event 72

Time 10:00 AM Gal Purged 0

Time 10:00 AM Gal Purged 0

Conductance 1.7

Conductance 1.8

pH 8.41

pH 8.37

Temperature 2.98

Temperature 2.65

Redox Potential (Eh) 348

Redox Potential (Eh) 339

Turbidity 0.0

Turbidity 0.0

Time 10:00 AM Gal Purged 0

Time 10:00 AM Gal Purged 0

Conductance

Conductance

pH

pH

Temperature

Temperature

Redox Potential (Eh)

Redox Potential (Eh)

RINSATE BEFORE TW4-1

Turbidity _____ Turbidity _____

Volume of Water Purged While Field Parameters are Measured _____ 150

Pumping Rate Calculation

Flow Rate (Q), in gpm. _____
 $S/6D = \frac{6}{T} = \frac{6}{T=2V/Q} =$

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

If well evacuated to dryness, number of gallons evacuated _____

Name of Certified Analytical Laboratory if Other Than Facility _____

Type of Sample	Sample Type (Circle) WATER N	Sample Volume (ml or liters) 100 ml	Filtered (Circle) Y N	Preservative Added (Circle) HCl EDTA HNO3 NOT PERTINENT H2SO4 Y N
VOCs	Y N	100 ml	Y N	HCl Y N
Metals	Y N	100 ml	Y N	EDTA Y N
Heavy Metals	Y N	250 ml	Y N	HNO3 Y N
All Other Non-Radioactive	Y N	250 ml	N	NOT PERTINENT
Gross Alpha	Y N	1000 ml	Y N	H2SO4 Y N
Other (Specify)	Y N	Sample volume	Y N	Y N
chloride				If a preservative is used, Specify Type and Quantity of Preservative.

Comments: Airline 15 1033 Take a few liters & preservative
Use the following 50 gallons from 50 liters then 50 gallons
preserve for 500 ml. 50 gallons of water at end of
50 gallons D. T. we collect the sample.
Sample Number 15 1103

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarter chloroform

Sampler:

Location (well name) TW4-1 Name and initials Tanner Holliday Ryan Palmer

Date and Time for Purgings 12-28-09 and Sampling (if different) 12-29-09

Well Purging Equip Used: Pump or bailer Well Pump (if other than Bailer) Ground Gas

Sampling Event chloroform Prev. Well Sampled in Sampling Event TW4-1R

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 997 $\mu\text{Mhos/cm}$ Well Depth 111

Depth to Water Before Purgings 61.95 Casing Volume (V) 4" Well: 32.02 (.653l)
61.8 Well: (.367l)

Conductance (mV): _____ pH of Water (mV): _____

Well Water Temp. (avg) _____ Redox Potential (Eh) _____ Turbidity _____

Weather Cond: Mostly Sunny Barometric Temp. (prior to sampling event) -6°C

Time: 11:13 Gal. Purged 130 Time: 11:17 Gal. Purged 520 (16)

Conductance 2224 Conductance 2255

pH 7.07 pH 6.58

Temperature 12.5 Temperature 13.01

Redox Potential (Eh) 411 Redox Potential (Eh) 431

Turbidity 9.1 Turbidity 10.7

Time: 11:18 Gal. Purged 54 Time: 11:19 Gal. Purged 60

Conductance 2259 Conductance 2274

pH 6.64 pH 6.67

Temperature 13.05 Temperature 13.19

Redox Potential (Eh) 430 Redox Potential (Eh) 430

Turb 25.3

Turb 25.7

Turbidity _____

Turbidity _____

Volume of Water Purged When Field Pumping was Initiated 60

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = 6

Time to evacuate two casing volumes (2V)

T = 2V/Q = 10 Min

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

If well evacuated to dryness, number of gallons evacuated _____

Name of Certified Analytical Laboratory if Other Than Energy Lab:

Type of Sample	Sample Taken (check)	Sample Volume (ml) or Number Specified below	Filtered (check)	Preservative Added (check)
VOCs	<input checked="" type="checkbox"/> N	200 ml	<input checked="" type="checkbox"/>	HGS <input checked="" type="checkbox"/> N
Nutrients	<input checked="" type="checkbox"/> N	100 ml	<input checked="" type="checkbox"/>	HGS <input checked="" type="checkbox"/> N
Heavy Metals	<input checked="" type="checkbox"/> N	200 ml	<input checked="" type="checkbox"/>	HNO <input checked="" type="checkbox"/> N
All Other Non Radiologicals	<input checked="" type="checkbox"/> N	200 ml	<input checked="" type="checkbox"/>	No Preservative Added
Gross Alpha	<input checked="" type="checkbox"/> N	1000 ml	<input checked="" type="checkbox"/>	HGS <input checked="" type="checkbox"/> N
Other (Specify)	<input checked="" type="checkbox"/> N	Sample volume	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Y N
chloride				If a preservative is used, specify Type and Quantity of Preservative:

Comments Arrived on site at 1107 Rivas Poured to Tanker
Holliday Reservoir Pump Start time began at 1109 Rivas
Well for 10 Minutes Achieved static pressure to left side at 1110
Purge end at 1110
Sample taken at 0840 Tanker is Pump Present For Sampling
Sample was collected at 0846
Depth Before sample 61.8

ATTACHMENT 1
WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quartermile East of Mill

Location (well name) TW4-2 R Sampler Tanner H. Ryan P.

Date and Time for Purging 12-28-09 and Sampling (if different)

Well Purging Equip Used: Pump or bailey Well Pump (if other than Bennet) Ground Gas

Sampling Event chloroform

Prev. Well Sampled in Sampling Event TW4-2R

pH Buffer 7.0 7.0

pH Buffer 4.0 9.02

Specific Conductance 997 µMHO/cm

Well Depth NA

Depth to Water Before Purging NA

Casing Volume (V) 4" Well (.653L)

Conductance (mV)

3" Well (.367L)

Well Water Temp. (avg)

Redox Potential (Eh) 0 Turbidity 0

Weather Conditions

Bar'l Amt. Temp.(in) for sampling event -10

Time 10:00 AM Gal. Purged 0

Time 10:00 AM Gal. Purged 0

Conductance 10.4

Conductance 5.5

pH 8.08

pH 7.70

Temperature 6.03

Temperature 5.82

Redox Potential (Eh) 426

Redox Potential (Eh) 427

Turbidity 0.0

Turbidity 0.0

Time 10:00 AM Gal. Purged 0

Time 10:00 AM Gal. Purged 0

Conductance

Conductance

pH

pH

Temperature

Temperature

Redox Potential (Eh)

Redox Potential (Eh)

RINSATE BEFORE TW4-2

Turbidity

Turbidity

Volume of Water Purged When Field Pumping was Initiated 150

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/6D = 6

Time to evacuate two casing volumes (2V)

T=2V/Q = 10

Number of casing volumes evacuated (if other than two) 1

If well evacuated to dryness, number of gallons evacuated 150

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken (circle)	Sample Volume (ml or liters) and Temperature (if applicable)	Filtered (circle)	Preservative Added (circle)
VOG	<input checked="" type="checkbox"/>	20 ml	<input checked="" type="checkbox"/>	HGS <input checked="" type="checkbox"/> N
Nutrients	<input checked="" type="checkbox"/>	10 ml	<input checked="" type="checkbox"/>	RESO <input checked="" type="checkbox"/> N
ICAW/MOTR	<input checked="" type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	ENDO <input checked="" type="checkbox"/> N
All Other Name Radiometrics	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	No Preservative Added
Gross Alpha Other (Specify)	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	1000 ml Sample volume	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	HGS <input checked="" type="checkbox"/> Y N Y <input checked="" type="checkbox"/>
chloride				If a preservative is used, Specify Type and Quantity of Preservative

Comments: Arises at 1332. Tries to have traces of Resate
use the following 50 gallons while taking the 50 gallons
through the 50 liter, 50 gallons P.T. bottle at the end of
50 gallons try to follow the sample
sample collected at 1403

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quartet chloroform

Sampler:

Location (well name) TW 4 - 2

Name and initials Tanner Holliday Ryan Palmer

Date and Time for Purgung 12-28-09 and Sampling (if different) 12-29-09

Well Purging Equip Used: Pump or bailer Well Pump (if other than Burrell) Ground Gas

Sampling Event chloroform

Prev. Well Sampled in Sampling Event TW4-2 R

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 997 $\mu\text{MHOs/cm}$

Well Depth 121.13

Depth to Water Before Purgung 68.39

Casing Volume (V) 4th Well: 34.43 (653L)

68.85

3rd Well: (3.367L)

Conductance (mV)

Well Water Temp. (avg)

Redox Potential (Eh) Turbidity

Weather Cond: Very Cloud Cover Burrell Amb. Temp (prior to sampling event) -2°

Time: 14:34 Gal. Purged 20

Time: 14:32 Gal. Purged 5

Conductance 25.10

Conductance 26.81

pH 6.55

pH 6.93

Temperature 13.65

Temperature 12.89

Redox Potential (Eh) 493

Redox Potential (Eh) 461

Turbidity 13

Turbidity 27.8

Time: 14:44 Gal. Purged 60

Time: 14:45 Gal. Purged 66

Conductance 27.41

Conductance 27.75

pH 6.98

pH 7.00

Temperature 13.74

Temperature 13.76

Redox Potential (Eh) 488

Redox Potential (Eh) 484

Turb 33.1

Turb 32.3

Humidity

Tunisia

Volume of Water Purged When Field Parameters are Measured

66

Pumping Rate Calculation

Flow Rate (\dot{Q}), in gpm.

$$S/60 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

Time to evacuate two casing volumes (2V)

$$T = 2V/Q = 11 \text{ Min}$$

Number of casing volunteers evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab:

Type of Sample	Sample Taken (Circle)	Sample Volume (Amount of solution taken for Specimen below)	Filtered (Circle)	Preservative Added (Circle)
VOCs	Y N	500 ml	Y N	HCl Y N
Nutrients	Y N	100 ml	Y N	H ₂ SO ₄ Y N
Heavy Metals	Y N	20 ml	Y N	EDTA Y N
All Other Non Radioactive	Y N	250 ml	Y N	Any Preservative Added
Chloride Analysis	Y N	1000 ml	Y N	H ₂ SO ₄ Y N
Other (Specify)	Y N	Sample volume	Y N	Y N
chlorides				If a preservative is used, Specify Type and Quantity of Preservative

Comments received at Site 55 (433) Ryan Park to Tawas
Hillside Forest for large event were begin at (434) Large
Hill End 11 Minutes. Achieved after discussion a later site at 14115

Page ended at 1443
Sample: Animals at 3813 Tammie & Ryan Present Env: Songbirds
Sample was collected at 0825
Depth before Sample 68.25

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarter Chloroform

Sample

Location (well name) TW4-3L

Name and initials Tanner H. Ryan P.

Date and Time for Purging 12.15.07 and Sampling (if different)

Well Purging Equip Used: Pump or bailed Well Pump (if other than Benino) Ground Gas

Sampling Event chloroform

Prev. Well Sampled in Sampling Event NA 1st Rinse

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 997 uMHO/cm

Well Depth NA

Depth to Water Before Purging NA

Casing Volume (V) 4" Well: (653L)

3" Well: (367L)

Conductance (avg)

pH (avg)

Well Water Temp. (avg)

Redox Potential (Eh)

Turbidity

Weather Cond.

Est'l Amb. Temp (prior to sampling event)

Time: 12/17 Gal. Purged

Time:

Gal. Purged

Conductance 6.0

Conductance

pH 7.86

pH

Temperature 1.33

Temperature

Redox Potential (Eh) 463

Redox Potential (Eh)

Turbidity 0.2

Turbidity

Time: 12/19 Gal. Purged

Time:

Gal. Purged

Conductance 3.8

Conductance

pH 7.84

pH

Temperature 0.77

Temperature

Redox Potential (Eh) 468

Redox Potential (Eh)

RINSE BEFORE TW4-3

Turbidity

Turbidity

Volume of Water Purged When Field Parameters are Measured

Pumping Rate Calculation

$$\frac{S/60}{Q} = \frac{6}{60} = 0.1 \text{ min}^{-1}$$

Number of casing volumes evaluated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken (Circle)	Sample Volume (Indicate ml when loop (ap) is indicated below)	Filtered (Circle)	Preservative Added (Circle)
VOCs	<input checked="" type="radio"/>	500 ml	<input checked="" type="radio"/>	HCl <input checked="" type="radio"/> N
Mutagens	<input checked="" type="radio"/>	100 ml	<input checked="" type="radio"/>	H2SO4 <input checked="" type="radio"/> N
Heavy Metals	<input checked="" type="radio"/>	250 ml	<input checked="" type="radio"/>	INO3 <input checked="" type="radio"/> N
All Other Non- Radioactive	<input checked="" type="radio"/>	250 ml	<input checked="" type="radio"/>	No Preservative Added
Gases Analyzed	<input checked="" type="radio"/>	1000 ml	<input checked="" type="radio"/>	H2SO4 <input checked="" type="radio"/> N
Other (Specify)	<input checked="" type="radio"/>	Sample volume	<input checked="" type="radio"/>	<input checked="" type="radio"/>
<u>chloride</u>				

Comments: Arrived at 0730 Turner & Son present y private
lens the following 50 gallons white Sulphur Mine, 50 gallons
plus melt for Sore Mine, 50 gallons D.T. water at 0730
50 gallons D.T. we packed the sample.
Sample collected at 0830

Rivers B4 TW4-3

Here is Break up Tree Before
We Could Start Linscott

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4" Quartz chloroForm

Location (well name) TW4-3R Sampler Tanner Holliday Ryan Palmer

Date and Time for Purging 12-15-09 and Sampling (if different) 12-16-09

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

Sampling Event chloroForm Prev. Well Sampled in Sampling Event TW4-3R

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 997 mMHOs/cm Well Depth 150

Depth to Water Before Purging 49.24 Casing Volume (V) 4" Well: 33.14 (.653L)
49.24 3" Well: — (.367L)

Conductance (ave) 1840 pH of water (ave) 6.45

Well Water Temp. (avg) 10.83 Redox Potential (Eh) 473 Turbidity 35

Weather Cond: Sunny & Cool Barometric Temp. (prior to sampling event) -2°C

Time: 0400 Gal. Purged 60 Time: 0551 Gal. Purged 60

Conductance 1840 Conductance 1841

pH 6.45 pH 6.77

Temperature 10.83 Temperature 12.86

Redox Potential (Eh) 473 Redox Potential (Eh) 476

Turbidity 6.9 Turbidity 35

Time: 0400 Gal. Purged 60 Time: 0551 Gal. Purged 60

Conductance 1800 Conductance 1803

pH 6.82 pH 6.83

Temperature 13.4 Temperature 13.45

Redox Potential (Eh) 475 Redox Potential (Eh) 474

Turb 4.2 Turb 3.8

Turbidity

Turbidity

Volume of Water Parged When Field Parameters are Measured

66

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/QD = = 6

Time to evacuate two casing volumes (2V)

T = 2V/Q = 11 min

Number of casing volumes evacuated (or other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken (check)	Sample Volume (ml) or Description	Preserved (check)	Preservative Added (check)
VOCs	<input checked="" type="checkbox"/>	500 ml	<input checked="" type="checkbox"/>	HCl <input checked="" type="checkbox"/> N
Nutrients	<input checked="" type="checkbox"/>	100 ml	<input checked="" type="checkbox"/>	HNO ₃ <input checked="" type="checkbox"/> N
Heavy Metals	<input checked="" type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	HNO ₃ <input checked="" type="checkbox"/> N
All Other Not Radiological	<input checked="" type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	No Preservative Added
Ground Water	<input checked="" type="checkbox"/>	1000 ml	<input checked="" type="checkbox"/>	HNO ₃ <input checked="" type="checkbox"/> N
Other (specify)	<input checked="" type="checkbox"/>	Sample volume	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Y N
chloride				If a preservative is used, Specify Type and Quantity of Preservative:

Comments Applied on Site at 0847 Ryan Palmer & Tanner
Holloway Present for Pump Event. Pump began at 0830 Preop
Well took 11 minutes. Achieved static pressure at 100' side at 0910

Sample taken at 100'. Tanner & Ryan present for sampling.
Sample was collected at 100'.
Depth Below sample 49.2'.

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Octane chloroform

Location (well name) TW4-4 R Name and initials Tanner H. Ryan P.

Date and Time for Purging 12-28-07 and Sampling (if different) ~

Well Purging Equipment: pump or bailer Well Pump (if other than Bimmel) Ground gas

Sampling Event chloroform Prev. Well Sampled in Sampling Event TW4-1

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 997 $\mu\text{Mhos/cm}$ Well Depth 114

Depth to Water Before Purging NA Casing Volume (V) 4" Well: (653L)
Well: (367L)

Conductance (mho) ~ Redox Potential (mV) ~ Turbidity ~

Well Water Temp. (avg) ~ Redox Potential (mV) ~ Turbidity ~

Weather Cond: Mostly Sun Bed Rock Temp (C) (at time of sampling event) -5°

Time Gal. Purged ~ Time Gal. Purged ~

Conductance 5.7 Conductance 4.3

pH 7.58 pH 7.8

Temperature 19.3 Temperature 15.1

Redox Potential (Eh) -32 Redox Potential (Eh) 419

Turbidity ~ Turbidity 8

Time Gal. Purged ~ Time Gal. Purged ~

Conductance ~ Conductance ~

pH ~ pH ~

Temperature ~ Temperature ~

Redox Potential (Eh) ~ Redox Potential (Eh) ~

RINSATE BEFORE TW4-4

Turbidity

Turbidity

Volume of Water Parged When ICOD was last measured

150

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 =

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Biology Lab

Type of Sample	Sample Taken (Y/N)	Sample Volume (Indicate in addition to sample collected below)	Preserved (Circle)	Preservative Added (Circle)
VOG	Y N	100 ml	Y <input checked="" type="radio"/>	HCl Y N
Nitrates	Y N	100 ml	Y <input checked="" type="radio"/>	H2SO4 Y N
Heavy Metals	Y N	250 ml	Y N	EDTA Y N
All Other Non-Radiometrics	Y N	250 ml	Y N	All Preservatives Added
Gross Alpha	Y N	1000 ml	Y N	H2SO4 Y N
Other (Specify)	Y N	Sample volume	Y <input checked="" type="radio"/>	Y <input checked="" type="radio"/>
chloride				If a preservative is used, specify type and quantity of preservative

Comments: Areas 45 1125 Tracer & Pump Tests & Revisit
Use the following 50 gallons Nitric Sulfuric Mix, 50 gallons
Hydrochloric Acid Mix, 50 gallons D.I. water at end of
50 gallons D.I. we collect the sample
Sample collected 11/17/06

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4" Quarter chloroform

Sampler

Location (well name) TW4-4

Name and initials Tanner Holliday Ryan Palmer

Date and Time for Purgings 12.28.09 and Sampling (if different) 12.29.09

Well Purging Equip Used: Pump or Boiler Well Pump (if other than Bennet) Ground Fins

Sampling Event chloroform

Prev. Well Sampled in Sampling Event TW4-4 R

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 997 µMHOs/cm

Well Depth 14.5

Depth to Water Before Purgings 63.73

Casing Volume (V) 4" Well: 33.15 (653L)

63.56

3" Well: — (367L)

Conductance (μmho)

OH- or Cl- (avg)

Well Water Temp. (avg)

Redox Potential (Eh)

Turbidity

Weather Cond: Hazy Cloudy Wind Amb. Temp. (prior to sampling event) -1°C

Time: 1214 Gal. Purged 30

Time: 1213 Gal. Purged —

Conductance 2176

Conductance 2187

pH 6.79

pH 6.71

Temperature 13.0 13.05

Temperature 13.96

Redox Potential (Eh) 471

Redox Potential (Eh) 469

Turbidity 9

Turbidity 11.8

Time: 1224 Gal. Purged 60

Time: 1225 Gal. Purged 66

Conductance 2503

Conductance 2498

pH 6.76

pH 6.78

Temperature 14.04

Temperature 14.06

Redox Potential (Eh) 469

Redox Potential (Eh) 467

Turb 10.8

Turb 9.3

Turbidity

Turbidity

Volume of Water Pumped While Pumping Downhole 66

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = 6

Time to evacuate two casing volumes (2V)

T = 2V/Q = 11 Min

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken (circle)	Sample Volume (milliliters or milligrams per milliliter)	Measured (circle)	Preservative Added (circle)
NOCs	<input checked="" type="checkbox"/> N	200 ml	<input checked="" type="checkbox"/> N	HCl <input checked="" type="checkbox"/> N
Nutrients	<input checked="" type="checkbox"/> N	100 ml	<input checked="" type="checkbox"/> N	H2SO4 <input checked="" type="checkbox"/> N
Heavy Metals	Y <input type="checkbox"/> N	200 ml	<input type="checkbox"/> N	HNO3 <input type="checkbox"/> N
All Other Radioactives	Y <input type="checkbox"/> N	250 ml	<input type="checkbox"/> N	No Preservative Added
Gross Alpha	Y <input type="checkbox"/> N	1000 ml	<input type="checkbox"/> N	H2SO4 <input type="checkbox"/> Y <input type="checkbox"/> N
Other (Specify)	<input checked="" type="checkbox"/> N	Sample volume	<input checked="" type="checkbox"/> N	<input checked="" type="checkbox"/> N
Chloride				If a preservative is used, Specify Type and Quantity of Preservative.

Comments Arrived at site at 1212 Ryan Peltier to Tawna
Holliday. Went to large bore - large began at 1214 pumped
well for 11 minutes. Achieved static pressure & left site at 1226
Pump rate at 1225

Sample: Arrived at 0848 Tawna & Ryan present for sampling
Sample was collected at 0854
Depth before sample 63.56

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarter chloroFarms

Location (well name) TW4-5R

Sampler

Name and initials Tanner H. Ryan P.

Date and Time for Purgings 12-25-09 and Sampling (if different) _____

Well Purging Equip Used: Vacuum or bailer Well Pump (if other than Bennet) Ground Gas

Sampling Event chloroform

Prev. Well Sampled in Sampling Event TW4-24

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 997 µMHOs/cm Well Depth 14 ft

Depth to Water Before Purgings 14

Casing Volume (V) 4" Well: (.653L)

3" Well: (.367L)

Conductance (avg) _____

pH (avg) _____

Turbidity (avg) _____

Well Water Temp. (avg) _____

Reduction/Oxidation (Eh) _____

Turbidity _____

Weather Cond: Partly Cloudy Ext Temp. Temp. (prior to sampling event) 14°C

Time	Gal. Parged	Time	Gal. Parged
Conductance	<u>1.1</u>	Conductance	<u>7</u>
pH	<u>6.57</u>	pH	<u>6.3</u>
Temperature	<u>36.4</u>	Temperature	<u>29</u>
Redox Potential (Eh)	<u>621</u>	Redox Potential (Eh)	<u>623</u>
Turbidity	<u>0.0</u>	Turbidity	<u>0.0</u>
Time	Gal. Parged	Time	Gal. Parged
Conductance		Conductance	
pH		pH	
Temperature		Temperature	
Redox Potential (Eh)		Redox Potential (Eh)	

RINSATE BEFORE TW4 5

Turbidity

Turbidity

Volume of Water Parged When Field Parameter(s) Measured

150

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 =

6

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (or lesser than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory or Other Testing Facility Used

Type of Sample	Sample Taken (circle)	Sample Volume (ml) and Condition (unfiltered or filtered)	Filtered (circle)	Preservative Added (circle)
VOCs	Y N	10 ml	Y (O)	MgCl ₂ Y N
Nutrients	Y N	10 ml	Y (O)	HSO ₄ Y N
Heavy Metals	Y N	20 ml	Y N	EDTA Y N
All Other Non-Radiological	Y N	20 ml	Y N	No Preservative Added
Other Alkalies	Y N	100 ml	Y N	HSO ₄ Y N
Other (Specify)	Y N	Sample volume	Y (O)	Y (O)
chloride				If a preservative is used, specify type and quantity of preservative

Comments: Arises at 0600 Times to have been 4 hours & Private
Draw the following 50 gallons from Substratum Well 50 gallons
then add one 50 ml 50 gallon D2 water at all of
50 gallons D2 to be taken the sample
Sample collected at 0650

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarter chloroform

Location (well name) TW4-5 Sampler Tanner Helliday Ryan Palmer

Date and Time for Purgings 12-21-09 and Sampling (if different)

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

Sampling Event chloroform

Prev. Well Sampled in Sampling Event _____

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 997 $\mu\text{Mhos}/\text{cm}$

Well Depth 121.75

Depth to Water Before Purgings 55.48 Casing Volume (V) 4" Well: 43.27 (.653L)
55.18 3" Well: — (.367L)

Conductance (mS) _____

pH of Water (avg) _____

Well Water Temp. (avg) _____ Redox Potential (Eh) _____ Turbidity _____

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

Time: 0915 Gal. Parged 12 Time: 0916 Gal. Parged 72

Conductance 1823 Conductance 1723

pH 6.63 pH 6.4

Temperature 13.37 Temperature 14.26

Redox Potential (Eh) 597 Redox Potential (Eh) 590

Turbidity 4.2 Turbidity 3.1

Time: 0921 Gal. Parged 78 Time: 0922 Gal. Parged 84

Conductance 176 Conductance 1763

pH 6.93 pH 6.97

Temperature 14.41 Temperature 14.41

Redox Potential (Eh) 587 Redox Potential (Eh) 585

Turb 1.7 Turb 2.6

Turbidity _____

Transmissivity _____

Volume of Water Parged While Water Parameters were Measured 84

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = 6

Time to evacuate two casing volumes (2V)

T = 2V/Q = 14 Min

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

If well evacuated to dryness, number of gallons evacuated _____

Name of Certified Analytical Laboratory if Other Than Energy Lab _____

Type of Sample	Sample Taken (circle)	Sample Volume (Indicate all other dimensions specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="checkbox"/> N	300 ml	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	HCl <input checked="" type="checkbox"/> N
Nutrients	<input checked="" type="checkbox"/> N	100 ml	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	HSO <input checked="" type="checkbox"/> N
Heavy Metals	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	INO <input checked="" type="checkbox"/> N
All Other Non-Radiologics	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	No Preservative Added
Gross Alpha	<input checked="" type="checkbox"/> N	1000 ml	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	HSO <input checked="" type="checkbox"/> Y N
Other (specify)	<input checked="" type="checkbox"/> N	Sample volume _____ <u>chloride</u>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> N If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments Arrived at Site at 0905 Runn. Pumped to Tanker
Holliday Reservoir for large event. Large began at 0908 Parged
Well took 14 minutes. Achieved static pressure to last site at 0913
Purge ended at 0922
Samples Arrived at 0913 Tanker & Pump Present. Enc. Sampling
Sample was collected at 0910 standing at time of sample.
Depth before sampling 55.18

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarter chloroform

Sampler:

Location (well name) TW4 - 6R

Name and initials Tanner H. Ryan P.

Date and Time for Purging 12-21-07 and Sampling (if different)

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

Sampling Event Chloroform

Prev. Well Sampled in Sampling Event TW4 - 21

pH Buffer 7.0

pH Buffer 4.0

Specific Conductance 997 $\mu\text{Mhos}/\text{cm}$

Well Depth NA

Depth to Water Before Purging NA

Casing Volume (V) 4" Well (.653L)

3" Well (.367L)

Conductance (avg)

ORP (avg)

Well Water Temp. (avg)

Redox Potential (avg) Turbidity

Weather Cond

Ext. Air Temp (prior to sampling event) 3°C

Time Gal. Purged

Time Gal. Purged

Conductance 2.2

Conductance 1.7

pH 8.04

pH 8.06

Temperature 8.55

Temperature 8.41

Redox Potential (Eh) 484

Redox Potential (Eh) 473

Turbidity 0.0

Turbidity 0.0

Time Gal. Purged

Time Gal. Purged

Conductance

Conductance

pH

pH

Temperature

Temperature

Redox Potential (Eh)

Redox Potential (Eh)

RINSATE BEFORE

MW - Groundwater Discharge Permit Date: 11.17.06 Revision: 1
 Groundwater Monitoring
 Quality Assurance Plan (QAP)

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Turbidity

Turbidity

Volume of Water Parged ~~When Pumping Rate was Measured~~ 150

Pumping Rate Calculation

Flow Rate (Q), in gpm.

$$S/60 = \frac{L}{T} = \frac{60}{T = 2V/Q}$$

Time to evacuate two casing volumes (2V)

Number of casing volumes evacuated (if other than two) 1

If well evacuated to dryness, number of gallons evacuated 150

Name of Certified Analytical Laboratory if Other Than Energy Labs

Type of Sample	Sample Taken (Cased)	Sample Volume (in liters or milliliters)	Filtered (Circle)	Preservative Added (Circle)
VOB	<input checked="" type="checkbox"/> N	100 ml	<input checked="" type="checkbox"/>	HCl <input checked="" type="checkbox"/> N
Number	<input checked="" type="checkbox"/> N	100 ml	<input checked="" type="checkbox"/>	H2SO4 <input checked="" type="checkbox"/> N
Heavy Metals	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/>	HNO3 <input checked="" type="checkbox"/> N
All Other Non-Radiotomics	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> N	No Preservative Added
Other Alkalies	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1000 ml	<input checked="" type="checkbox"/> N	H2SO4 <input checked="" type="checkbox"/> N
Other Cations	<input checked="" type="checkbox"/> N	Sample volume	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/>
chloride				If a preservative is used, specify type and quantity of preservative

Comments: Arivaca at 1308 Tamar & Lane Reservoir Resists
 Use the following 50 gallons. After taking this 50 gallons
 place it for 30 min. 50 gallons OT water at end of
 50 gallons OT for 1 packet the sample
 sample collected at 1308

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quartermile chloroform

Location (well name) TW4-6 Sampler Tanner Holliday Ryan Palmer

Date and Time for Purgung 12-21-09 and Sampling (if different) 12-22-09

Well Purging Equip Used: Pump or Boiler Well Pump (if other than Bennet) Ground Gas

Sampling Event chloroform Prev. Well Sampled in Sampling Event TW4-6 R

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 997 uMHO/cm Well Depth 100

Depth to Water Before Purgung 71.3 Casing Volume (V) 4" Well: 18.74 (653L)
71.79 3" Well: — (367L)

Conductance (mV/B) — Redox Volume (avg) —

Well Water Temp. (avg) — Redox Potential (Eh) — Turbidity —

Weather Cond Cloudy Exit Amb. Temp (prior to sampling event) 3°C

Time: 13:51 Gal. Parged 12 Time: 13:51 Gal. Parged 34

Conductance 2917 Conductance 3606

pH 6.67 pH 7.1

Temperature 13.62 Temperature 13.6

Redox Potential (Eh) 509 Redox Potential (Eh) 509

Turbidity 551 Turbidity 40 40.1 Time —

Time: 13:54 Gal. Parged 30 Time: 13:55 Gal. Parged 36 13:56 13:57

Conductance 3544 Conductance 3522 3601 3609

pH 7.22 pH 7.45 7.44 7.28

Temperature 13.55 Temperature 13.56 13.39 14.47

Redox Potential (Eh) 508 Redox Potential (Eh) 501 493 495

Turb 566 Turb 83.1 531 436.6

Turbidity

Turbidity

Volume of Water Purged While Field Pumping was measured

60 48

Pumping Rate Calculation

Flow Rate (Q), in gpm.

$$S/60 = \underline{6}$$

Time to evacuate two caging volumes (2V)

$$T = 2V/Q = \underline{6} \text{ Min}$$

Number of caging volumes evacuated (if other than two)

2 2.6

If well evacuated to dryness, number of gallons evacuated

48

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Symbol Known (circle)	Sample Volume (ml) or ml/liter if volume is specified below	Preserved (circle)	Preservative Added (circle)
VOCs	Y N	300 ml	Y N	HCl Y N
Nutrients	Y N	100 ml	Y N	AlNO ₃ Y N
Heavy Metals	Y N	250 ml	Y N	EDTA Y N
All Other Non-Radiological	Y N	250 ml	Y N	None Preservative Added
Gross Alpha	Y N	1000 ml	Y N	H ₂ SO ₄ Y N
Other (specify)	Y N	Sample volume	Y N	Y N
chloride				If a preservative is used, Specify Type and Quantity of Preservative.

Comments Arrived on site at 1307 Ryan Palmer to Tawer
Holliday Reserve the large front bore began at 1343 purged
well to 6 minutes. After about 10 minutes left side at 1358
Pump did not stabilize purged well dry at 1357. when we pulled up pump the bottom of pump had clay like
material. Arrived at 0832 Tawer & Ryan present took samples
Sample was collected at 0856. Spacing at time of sample
Depth before sample 71 m

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quartermile Downstream

Sampler:

Location (well name) TW4 - TR

Name and initials Tanner H. Ryan P.

Date and Time for Purging 12-28-09 and Sampling (if different)

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

Sampling Event chloroform

Prev. Well Sampled in Sampling Event TW4 - 11

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 997 $\mu\text{Mhos}/\text{cm}$

Well Depth NA

Depth to Water Before Purging NA

Casing Volume (V) 4" Well: (.653L)

Conductance (mV)

5" Well: (.367L)

Well Water Temp. (avg)

Relative Porosity (R.P.) Immobility

Weather Cond: Mostly Sun / Barometric Temp (prior to sampling event) 7°C

Time Gal. Parged

Time Gal. Parged

Conductance 4.7

Conductance 2.0

pH 8.34

pH 8.46

Temperature 158

Temperature 76

Redox Potential (Eh) 485

Redox Potential (Eh) 445

Turbidity 0.0

Turbidity 0.0

Time Gal. Parged

Time Gal. Parged

Conductance

Conductance

pH

pH

Temperature

Temperature

Redox Potential (Eh)

Redox Potential (Eh)

RINSATE BEFORE

Turbidity

Turbidity

Volume of Water Purged With Field Parameters - 0.01 Methylated

150

Pumping Rate Calculation

Flow Rate (Q), in gpm.

$$S60 = \frac{1}{2} \quad T = 2VQ = \frac{1}{2}$$

Time to evacuate two caring volumes (2V)

$$T = 2V/Q =$$

Number of caring volunteer evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Survey Lab

Type of Sample	Sample Taken (Initial)	Sample Volume (Indicate if initial sample has been diluted below)	Diluted (initial)	Preservative Added (initial)
VOCs	<input checked="" type="checkbox"/> N	500 ml	<input checked="" type="checkbox"/> Y	HCl <input checked="" type="checkbox"/> N
Nutrients	<input checked="" type="checkbox"/> N	100 ml	<input checked="" type="checkbox"/> N	KNO ₃ <input checked="" type="checkbox"/> N
Heavy Metals	<input checked="" type="checkbox"/> N	25 ml	<input checked="" type="checkbox"/> N	HNO ₃ <input checked="" type="checkbox"/> N
All Other Non-Radiological	<input checked="" type="checkbox"/> N	25 ml	<input checked="" type="checkbox"/> N	No Preservative Added
Gross Analysis	<input checked="" type="checkbox"/> N	100 ml	<input checked="" type="checkbox"/> N	H ₂ SO ₄ <input checked="" type="checkbox"/> N
Other (Specify)	<input checked="" type="checkbox"/> N	Sample volume	<input checked="" type="checkbox"/> Y	
<u>chloride</u>				If a preservative is used, specify Type and Quantity of Preservative

Comments: Boring 15 0430 Taper x long cores of Risorite
core. The following 50 gallons were taken this 50 gallons
placed in some more 50 gallons. Part 1 took at bed 35
50 gallons. Part 2 we perfect the sample.
Sample collected at 1000

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4" (Quater chloroform

Sampler:

Location (well name) TW4-7

Name and initials Tanner Holliday Ryan Palmer

Date and Time for Purgings 12-28-07 and Sampling (if different) 12-29-07

Well Purgings Equip Used: Pump or Boiler Well Pump (if other than Bennel) Ground Gas

Sampling Event chloroform

Prev. Well Sampled in Sampling Event TW4-7R

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 997 uMHOS/cm

Well Depth 121

Depth to Water Before Purgings 68.41

Casing Volume (V) 4" Well: 34.34 (.653L)

68.74

3" Well: (36/L)

Conductance (mV)

pH of Water (25°C)

Well Water Temp. (avg)

Redox Potential (Eh)

Turbidity

Weather Cond: Mostly cloudy

Eff'l Amb. Temp (prior to sampling event) -7 °C

Time: 1021 Gal. Purged 12

Time: 1025 Gal. Purged 14

Conductance 1638

Conductance 1740

pH 7.04

pH 7.14

Temperature 12.10

Temperature 13.39

Redox Potential (Eh) 503

Redox Potential (Eh) 491

Turbidity 6

Turbidity 11.6

Time: 1026 Gal. Purged 60

Time: 1027 Gal. Purged 66

Conductance 1758

Conductance 1860

pH 7.11

pH 7.15

Temperature 13.43

Temperature 13.5

Redox Potential (Eh) 486

Redox Potential (Eh) 481

Turb 18.8

Turb 48.5 Well Ran dry right after last parameters were taken.

Turbidity

Turbidity

Volume of Water Pumped When Pump Parameters were Measured

66

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = = 6

Time to evacuate two casing volumes (2V)

T = 2V/Q = 11 Min

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken (circle)	Sample Volume (Indicate if outer diameter specified below)	Preserved (circle)	Preservative Added (circle)
VOCs	Y N	500 ml	Y (S)	HCl Y N
Nutrients	Y N	100 ml	Y (N)	H2SO4 Y N
Heavy Metals	Y N	250 ml	Y N	NO3 Y N
All Other Non-Radiological	Y N	250 ml	Y N	No Preservative Added
Gross Alpha	Y N	1,000 ml	Y N	H2SO4 Y N
Other (Specify)	Y N	Sample volume	Y (N)	Y N
chloride				If a preservative is used, Specify Type and Quantity of Preservative

Comments Arrived on Site at 1014 Ryan Palmer to Taylor
Holloway Present for Pump Event. Pump began at 1016 Pumped
well for 11 Minutes Arrived 1026. Arrived to last site at 1026
Pump ended at 1027

Sample taken at 0824 Tained & Ryan Present for Sampling
Sample was collected at 0836
Depth Before Sample 66.74

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarter chloroform

Sampler

Location (well name) TW4 - 8R Name and initials Tanner H. Ryan Jr.

Date and Time for Purgings 12.16.09 and Sampling (if different)

Well Purging Equip Used: Pump or bailer Well Pump (if other than Bennet) Ground Gas

Sampling Event chloroform Prev. Well Sampled in Sampling Event TW4 - 25

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 997 uMHOS/cm Well Depth NA

Depth to Water Before Purgings NA Casing Volume (V) 4th Well: (.653L)

3rd Well: (.367L)

Conductance (mV) Redox Potential (Eh)

Well Water Temp. (avg) Redox Potential (Eh) Turbidity

Weather Cond. Mostly Sunny w/ few clouds Bit'l Auto. Temp.(prior to sampling event) 15°

Time: Gal. Purged: Time: Gal. Purged:

Conductance 7.8 Conductance 9.5

pH 7.04 pH 7.25

Temperature 28.4 Temperature 25.9

Redox Potential (Eh) 258 Redox Potential (Eh) 260

Turbidity 0.0 Turbidity 0.0

Time: Gal. Purged: Time: Gal. Purged:

Conductance Conductance

pH pH

Temperature Temperature

Redox Potential (Eh) Redox Potential (Eh)

RINSATE BEFORE TW4 8

Turbidity

Turbidity

Volume of Water Purgé When Field Parameters are Measured

150

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = 6

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Recovery Lab:

Type of Sample	Sample Taken (circle)	Sample Volume (Indicate all other than standard below)	Diluted (circle)	Preservative Added (circle)
VOCs	<input checked="" type="checkbox"/> N	500 ml	<input checked="" type="checkbox"/> Y	HCl <input checked="" type="checkbox"/> N
Inorganics	<input checked="" type="checkbox"/> N	100 ml	<input checked="" type="checkbox"/> Y	H2SO4 <input checked="" type="checkbox"/> N
Heavy Metals	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> N	HNO3 <input checked="" type="checkbox"/> N
All Other Non-Radiotopes	<input checked="" type="checkbox"/> Y	250 ml	<input checked="" type="checkbox"/> Y	No Preservative Added
Gauge Alpha	<input checked="" type="checkbox"/> Y	1000 ml	<input checked="" type="checkbox"/> Y	H2SO4 <input checked="" type="checkbox"/> N
Other (specify)	<input checked="" type="checkbox"/> N	Sample volume	<input checked="" type="checkbox"/> Y	H2O2 <input checked="" type="checkbox"/> N
				If a preservative is used, Specify Type and Quantity of Preservative:

Comments: Arrived at 1017 Turner & Page began to rinse to
flush the following 50 gallons. After 50 gallons, 50 gallons
was flushed to Sump Box. 50 gallons D.T. water at end of
50 gallons D.T. We collected the sample.
Sample collected at 1054

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4" ChloroForm

Location (well name) TW4-8 Sampler Tanner Holliday Ryan Palmer

Date and Time for Purging 12-16-09 and Sampling (if different) 12-17-09

Well Purging Equip Used: Pump or bailer Well Pump (if other than Bennet) Ground Fas

Sampling Event ChloroForm Prev. Well Sampled in Sampling Event TW4-8R

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 997 uMHO/cm Well Depth 12.6

Depth to Water Before Purging 67.99 Casing Volume (V) 4" Well: 37.88 (.653L)
68.18 3" Well: - (.367L)

Conductance (avg) 3337 Redox Potential (Eh) 371 Turbidity 19.7

Well Water Temp. (avg) 13.55 Redox Potential (Eh) 293 Turbidity 7.4
Weather Cond. Mostly Sunny Exit Amb. Temp (prior to sampling event) 6°C

Time: 11:15 Gal. Purged: 36 Time: 11:19 Gal. Purged: 60

Conductance 3337 Redox Potential (Eh) 371

pH 7.12 pH 7.15

Temperature 13.55 Temperature 13.66

Redox Potential (Eh) 371 Redox Potential (Eh) 293

Turbidity 19.7 Turbidity 9.6

Time: 11:20 Gal. Purged: 66 Time: 11:21 Gal. Purged: 72

Conductance 3293 Conductance 3329

pH 7.08 pH 7.13

Temperature 13.39 Temperature 13.24

Redox Potential (Eh) 266 Redox Potential (Eh) 241

Turb 7.4

Turb 7.3

Turbidity _____

Turbidity _____

Volume of Water Purged ~~Wells B and C~~ _____ 72

Pumping Rate Calculation

Flow Rate (Q), in gpm.

$$S/60 = \underline{\hspace{2cm}} = 6$$

Time to evacuate two caging volumes (2V)

$$T = 2V/Q = \underline{\hspace{2cm}} 12 \text{ min}$$

Number of caging volumes evacuated (if other than two) _____

If well evacuated to dryness, number of gallons evacuated _____

Name of Certified Analytical Laboratory if Other Than Energy Lab _____

Type of Sample	Soluble Taken (check)	Soluble Volume (ml) (if no solution, sample is described below)	Filtered (check)	Preservative Added (check)
VOC	<input checked="" type="checkbox"/>	300 ml	<input checked="" type="checkbox"/>	HCl <input checked="" type="checkbox"/> N
Nutrient	<input checked="" type="checkbox"/>	100 ml	<input checked="" type="checkbox"/>	H ₂ SO ₄ <input checked="" type="checkbox"/> N
Heavy Metal	<input checked="" type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	NO ₃ <input checked="" type="checkbox"/> N
All Other Non Radioactive	<input checked="" type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	No Preservative Added
Gross Alpha	<input checked="" type="checkbox"/>	1000 ml	<input checked="" type="checkbox"/>	H ₂ O ₂ <input checked="" type="checkbox"/> N
Other (Specify)	<input checked="" type="checkbox"/>	Sample volume	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> N
chloride				If a preservative is used, Specify Type and Quantity of Preservative

Comments Arrived on Site at 1107 Ryan Pohore & Tanner
Wellhead Reserve Test Pump began purge began at 1109 Purged
well for 12 minutes Achieved static resistance to test side at 1121
Purge ended at 1124

Sample 1 Horiz at 0924 Tanner & Ryan Parent Eel: Sandbar
Sample was collected at 0930
Depth before sample 68.18

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarrel chloroform

Sampler

Location (well name) TW4 - 9R

Name and initials Tanner H. Ryan P.

Date and Time for Purging 12.16.07 and Sampling (if different)

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

Sampling Event chloroform

Prev. Well Sampled in Sampling Event TW4-8

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 997 uMHOS/cm

Well Depth 14

Depth to Water Before Purging 14

Casing Volume (V) 4" Well: — (.653L)

3" Well: — (.367L)

Conductance (avg) —

pH of Water (avg) —

Well Water Temp. (avg) —

Redox Potential (Eh) — Turbidity —

Weather Cond. Mostly Sunny Bit Amb. Temp (prior to sampling event) 56.0°

Time: — Gal. Purged —

Time: — Gal. Purged —

Conductance 8.1

Conductance 4.7

pH 7.83

pH 7.53

Temperature 2.21

Temperature 2.12

Redox Potential (Eh) 221

Redox Potential (Eh) 242

Turbidity 0.0

Turbidity 0.0

Time: — Gal. Purged —

Time: — Gal. Purged —

Conductance —

Conductance —

pH —

pH —

Temperature —

Temperature —

Redox Potential (Eh) —

Redox Potential (Eh) —

RINSATE BEFORE TW4 - 9

Turbidity _____

Turbidity _____

Volume of Water Purged When Field Parameters are Measured _____

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = _____

Time to evacuate two casing volumes (2V)

T = 2V/Q = _____

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

If well evacuated to dryness, number of gallons evacuated _____

Name of Certified Analytical Laboratory if Other Than Energy Lab _____

Type of Sample	Sample Taken (circle)	Sample Volume (Indicate if other than one specified below.)	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="radio"/> N	3,000 ml	<input checked="" type="radio"/> N	HCl <input checked="" type="radio"/> N
Nutrients	<input checked="" type="radio"/> N	100 ml	<input checked="" type="radio"/> N	H ₂ SO ₄ <input checked="" type="radio"/> N
Heavy Metals	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	HNO ₃ <input checked="" type="radio"/> N
All Other Non-Radiological	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	NO PRESERVATIVE ADDED
Gross Alpha	<input checked="" type="radio"/> N	1,000 ml	<input checked="" type="radio"/> N	H ₂ SO ₄ <input checked="" type="radio"/> N
Other (specify)	<input checked="" type="radio"/> N	Sample volume _____	<input checked="" type="radio"/> N	<input checked="" type="radio"/> N
				If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments: Arrived at 1130. Toured & began process of Rinsate
from the following 50 gallons. After Substr. Mix, 50 gallons
placed into Sump Mix. 50 gallons sent back at end of
50 gallons. D. T. we collected the sample.
Sample Number 117-1043

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarter chloroform

Sampler:

Location (well name) TW4 ~ 9

Name and initials Tanner Holliday Ryan Palmer

Date and Time for Purgings 12-16-09 and Sampling (if different) 12-17-09

Well Purging Equip Used: Pump or bailey Well Pump (if other than Bennet) Ground Fes

Sampling Event chloroform

Prev. Well Sampled in Sampling Event TW4-9R

pH Buffer 7.0 7.0

pH Reader 4.0 4.0

Specific Conductance 997 µMHOs/cm

Well Depth 121.33

Depth to Water Before Purgings 54.24

Casing Volume (V) 4" Well: 43.80 (.653L)

54.31

3" Well: (.367L)

Conductance (mV)

1300 mV

Well Water Temp. (avg)

Redox Potential (Eh)

Turbidity

Weather Cond: Mo-Hy Sunny

Ext/Amb. Temp (prior to sampling event) 60°

Time: 13:07 Gal. Purged 42

Time: 13:12 Gal. Purged 72

Conductance 2550

Conductance 2630

pH 6.53

pH 6.55

Temperature 13.15

Temperature 13.17

Redox Potential (Eh) 361

Redox Potential (Eh) 362

Turbidity 6.3

Turbidity 61.4

Time: 13:13 Gal. Purged 78

Time: 13:14 Gal. Purged 84

Conductance 2552

Conductance 2564

pH 6.72

pH 6.93

Temperature 13.54

Temperature 13.44

Redox Potential (Eh) 362

Redox Potential (Eh) 358

Turb 1.5

Turb 1

Turbidity

Turbidity

Volume of Water Purged ~~With Water Parameter Measured~~ 84

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/CD = 6

Time to evacuate two casing volumes (2V)

T=2V/Q = 14 Min.

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Bureau Lab

Type of Sample	Schedule Taken (Circle)	Sample Volume (ml) or fraction of volume sampled (ml/ml)	Filtered (Circle)	Preservative Added (Circle)
VOCs	<input checked="" type="radio"/>	250 ml	<input checked="" type="radio"/>	HCl <input checked="" type="radio"/> N
Nutrients	<input checked="" type="radio"/>	100 ml	<input checked="" type="radio"/>	H ₂ SO ₄ <input checked="" type="radio"/> N
Heavy Metals	<input checked="" type="radio"/>	250 ml	<input checked="" type="radio"/>	HNO ₃ <input checked="" type="radio"/> N
All Other Non-Radiological	<input checked="" type="radio"/>	250 ml	<input checked="" type="radio"/>	No Preservative Added
Gross Alpha	<input checked="" type="radio"/>	1000 ml	<input checked="" type="radio"/>	H ₂ SO ₄ <input checked="" type="radio"/> N
Other (Specify)	<input checked="" type="radio"/>	Sample volume	<input checked="" type="radio"/>	<input checked="" type="radio"/> N
chlorides				If a preservative is used, specify type and quantity of preservative

Comments arrived on site at 1258 Ryan Parker to Tammie Holliday present for large event. Pump began at 1300 purged well for 14 minutes. Achieved straight flow rates at last site at 1315. Pump ended at 1314.

Sample placed at 0916 Tammie & Ryan present for sampling. Sample was collected at 0922. Depth before sample 54.21

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quartermile downflow

Sampler:

Location (well name) TW4-10 R

Name and initials Tanner H. Ryan P.

Date and Time for Purgung 12-21-07 and Sampling (if different)

Well Purging Equip Used: pump or beller Well Pump (if other than Bennet) Ground flow

Sampling Event chloroform

Prev. Well Sampled in Sampling Event TW4-6

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 997 $\mu\text{Mhos}/\text{cm}$

Well Depth 14

Depth to Water Before Purgung 14

Casing Volume (V) 4" Well (.653l)

Conductance (avg) 3.7

5" Well (.367l)

Well Water Temp. (avg) 53

Redox Potential (Eh) -152 Turbidity 0

Weather Cond Cloudy

Exit Air Temp (at time of sampling event) 53

Time 00:00 Gal. Purged 0

Time 00:00 Gal. Purged 0

Conductance 3.7

Conductance 3.7

pH 8.3

pH 8.08

Temperature 53

Temperature 53.59

Redox Potential (Eh) -152

Redox Potential (Eh) -445

Turbidity 0

Turbidity 0

Time 00:00 Gal. Purged 0

Time 00:00 Gal. Purged 0

Conductance 3.7

Conductance 3.7

pH 8.3

pH 8.08

Temperature 53

Temperature 53.59

Redox Potential (Eh) -152

Redox Potential (Eh) -445

RINSATE BEFORE

Turbidity.

Turbidity

Volume of Water Purged When Field Parameters are Measured

Pumping Rate Calculation

Flow Rate (\dot{Q}), in gpm.

$$S/60 = \quad = \quad 6 \quad T = 2V/Q =$$

Time to evacuate two casing volumes (2V)

$$T = 2V/\Omega =$$

Number of caring volunteers evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated:

Name of Certified Analytical Laboratory if Other than Bureau Laboratory

Type of Sample	Stain Used (check)	Sample Volume and/or Condition of sample (check below)	Filtered (check)	Preservative Added (check)
Vomit	C & G	500 ml	Y (V)	HCl Y N
Nauseous	C Y N	100 ml	Y (V)	H ₂ SO ₄ Y N
Heavy Metal	C Y N	250 ml	Y N	AgNO ₃ Y N
All Other Biologicals	All C & G N	25 ml	Y N	No Preservative Added
Green Algae	Y N	100 ml	Y N	H ₂ SO ₄ Y N
Other (specify)	Y N	Sample volume	Y (V)	If a preservative is used, Specify Type and Quantity of Preservative
<i>chloride</i>				

Comments Boines at 1408 Turner & Lanes Reservoir Rivegate
Flare following 50 gallons Miller Solvair Min. 50 gallons
flame to fire Side Min 50 gallons Cut back at end of
50 gallons Dig up & pack the sample
Sample collected at 1408

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarter chloroform

Location (well name) TW4-10 Sampler Tanner Holliday Ryan Palmer

Date and Time for Purgings 12-21-07 and Sampling (if different)

Well Purging Equip Used: Pump or Boiler Well Pump (if other than Boiler) Ground Gas

Sampling Event chloroform Prev. Well Sampled in Sampling Event TW4-10R

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 997 uMHO/cm Well Depth 113

Depth to Water Before Purgings 56.02 Casing Volume (V) 4" Well: .57.20 (.653L)

56.04 3" Well: .367L

Conductance (mV)

Well Water Temp. (avg) Redox Potential (Eh) Turbidity

Weather Cond: Cloudy Ext'l Amb. Temp (prior to sampling event) 30°

Time: 1520 Gal. Purged 36 Time: 1524 Gal. Purged 60

Conductance 2624 Redox Potential 3644

pH 6.92 Turbidity 6.83

Temperature 13.4X Temperature 13.89

Redox Potential (Eh) 518 Redox Potential (Eh) 524

Turbidity 7.0 Turbidity 13.6

Time: 1525 Gal. Purged 66 Time: 1526 Gal. Purged 72

Conductance 2684 Conductance 2702 2846

pH 6.89 pH 6.82 6.92

Temperature 13.94 Temperature 14.1 14.11

Redox Potential (Eh) 519 Redox Potential (Eh) 514 502

Turb 215 Turb 6.8 5.1

Turbidity

Turbidity

Volume of Water Parged While Field Parameters are Measured

72

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = 6

Time to evacuate two caging volumes (2V)

T = 2V/Q = 12 Min

Number of caging volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken (sample)	Sampling Volume (Indicate whether sample was discarded below)	Filtered (circle)	Preservative Added (circle)
VOCs	Y N	340 ml	Y	HCl Y N
Nutrients	Y N	100 ml	Y	H ₂ SO ₄ Y N
Heavy Metals	Y N	250 ml	Y	EDTA Y N
All Other Non-Radiological	Y N	250 ml	Y	No Preservative Added
Gross Alpha	Y N	100 ml	Y N	H ₂ SO ₄ Y N
Other (specify)	Y N	Sample volume	Y	Y
chloride				If a preservative is used, specify type and quantity of preservative

Comments Arrived on site at 1512 Ryan Parker to Tanner
Holliday Desert Site Pump Test began at 1514 Parged
Well for 12 minutes achieved static pressures to left side at 1330
Purge end at 1326

Sample: Arrived at 0911 Tanner & Ryan Parker Test Sampling
Sample was collected at 0916 showing at time of sample
Depth before sample 56.04

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quartermile Downstream

Sampler:

Location (well name) TW4 - 11R

Name and initials Tanger H. Ryan P.

Date and Time for Purging 12-28-09 and Sampling (if different) -

Well Purging Equip Used: ✓ pump or bailed Well Pump (if other than Beamed) Ground Fos

Sampling Event chloroform

Prev. Well Sampled in Sampling Event TW4-10

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 997 µMHOH/cm

Well Depth 14

Depth to Water Before Purging 14

Casing Volume (V) 4th Well: (653L)

3rd Well: (367L)

Conductance (avg) —

Well Water Temp. (avg) —

Temp. (Porewater) (avg) —

Turbidity —

Weather Cond: Mostly sunny

Barometric Pressure (in) —

Temp. 92

Time: — Gal. Parged: —

Time: — Gal. Parged: —

Conductance 7.0

Conductance 2.9

pH 8.21

pH 8.01/8

Temperature 25.4

Temperature 1.98

Temperature 1.95

Redox Potential (Eh) 475

Redox Potential (Eh) 467

Turbidity 0.0

Turbidity 0.0

Time: — Gal. Parged: —

Time: — Gal. Parged: —

Conductance —

Conductance —

pH —

pH —

Temperature —

Temperature —

Redox Potential (Eh) —

Redox Potential (Eh) —

Rinsate Before TW4 - 11

Turbidity _____ Turbidity _____

Volume of Water Purged When Field Easometer was Measured 150

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 $S/60 = \frac{6}{60} = 1$ Time to evacuate two casing volumes ($2V$)
 $T = 2V/Q = 2(150)/1 = 300$

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

If well evacuated to dryness, number of gallons evacuated _____

Name of Certified Analytical Laboratory or Other Laboratory Lab: _____

Type of Sample	Sample Taken (checked)	Sample Volume (ml) or Approximate Number of Samples Collected	Filtered (checked)	Preservative Added (checked)
VOCs	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	HCl <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Nutrients	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	100 ml	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	H ₂ SO ₄ <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Heavy Metals	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	HNO ₃ <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
All Other Non-Radiological	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	No Preservative Added
Gross Alpha	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	1000 ml	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	H ₂ SO ₄ <input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Other (Specify)	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N	Sample volume	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N
chloride				If a preservative is used, specify type and quantity of preservative.

Comments: Action at 0715 Take a few hours & resume
Use the following 50 gallons after taking the first 50 gallons
Please take some more 50 gallons P.T. water at end of
50 gallons P.T. we'll perfect the sample
Sample taken at 0830

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4" Chloroform

Sampler:

Location (well name) TW4-11

Name and initials Tanner Holiday Ryan Palme

Date and Time for Purgings 12-28-09 and Sampling (if different) 12-29-09

Well Purgings Equip Used: pump or bailer Well Pump (if other than Benet) Grind Fas

Sampling Event Chloroform

Prev. Well Sampled in Sampling Event TW4-11 R

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 997 $\mu\text{MHOOS/cm}$

Well Depth 100

Depth to Water Before Purgings 59.06

Casing Volume (V) 4" Well: 26.73 (.653L)

59.39

3" Well: .367L

Conductance (avg) 1806

DO (mg/L) 0.00

Turbidity 42

Well Water Temp. (avg) 10.9

Redox Potential (Eh) -517

Weather Cond: Sunny

Ext. Air Temp. (prior to sampling event) -6°C

Time: 0814 AM (Gmt) Purged 124

Time: 0814 AM (Gmt) Purged 42

Conductance 1806

Conductance 1770

pH 6.8

pH 7.03

Temperature 10.9

Temperature 12.4

Redox Potential (Eh) -517

Redox Potential (Eh) -514

Turbidity 10.6

Turbidity 5.3

Time: 0822 Gal. Purged 48

Time: 0829 Gal. Purged 54

Conductance 1769

Conductance 1770

pH 7.01

pH 6.99

Temperature 12.95

Temperature 13.1

Redox Potential (Eh) -510

Redox Potential (Eh) -509

3.4

Turb.

32

Turb.

Turbidity

Turbidity

Volume of Water Purged When Field Pumping was Measured

54

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = 6

Time to evacuate two caging volumes (2V)

T=2V/Q = 9 Min

Number of caging volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other than Hickey Lab:

Type of Sample	Sample Taken (check)	Sample Volume (Amount of water drawn if other amounts specified)	Filtered (circle)	Preservative Added (circle)
VOCs	Y N	340 ml	(Y)	HCl Y N
Nutrients	Y N	100 ml	(N)	HSO Y N
Heavy Metals	Y N	200 ml	N	HNO Y N
All Other Non-Radiological	Y N	200 ml	N	No Preservative Added
Gross Alpha	Y N	1,000 ml	Y N	HSO Y N
Other (specify)	Y N	Sample volume	Y (N)	Y N
chloride				If a preservative is used, specify type and quantity of preservative:

Comments Arrived on site at 0911 Ryan Polkett & Tanner
Batholiday present the flow event began at 0911 purged
well for 9 minutes achieved 2T3.36 flow rate to low side at 0924
purge ended at 0923

Sample arrives at 0903 Tanner & Ryan present earl samples
sample was collected at 0815
Depth before sample 59.39

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quartermile Form

Sampler

Location (well name) TW4 - 12 R Name and initials Tanner H. Ryan P.

Date and Time for Purging 12.15.09 and Sampling (if different)

Well Purging Equip Used: Pump or bailer Well Pump (if other than Bennet) Ground Fos

Sampling Event chloroform Prev. Well Sampled in Sampling Event TWN 3

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 997 $\mu\text{MHOS/cm}$ Well Depth NA

Depth to Water Before Purging NA Casing Volume (V) 4" Well: (.653L)

Conductance (mV) — Casing Volume (V) 3" Well: (.367L)

Well Water Temp. (avg) — Redox Potential (Eh) — Turbidity —

Weather Cond sun & clouds Ext'l Amb. Temp. (prior to sampling event) -3°C

Time: — Gal. Purged: — Time: — Gal. Purged: —

Conductance 7.0 Conductance 5.8

pH 7.29 pH 7.3

Temperature 1.73 Temperature 1.52

Redox Potential (Eh) 476 Redox Potential (Eh) 491

Turbidity 0.0 Turbidity 0.1

Time: — Gal. Purged: — Time: — Gal. Purged: —

Conductance — Conductance —

pH — pH —

Temperature — Temperature —

Redox Potential (Eh) — Redox Potential (Eh) —

Rinsate Before TW4 12

Mill - Groundwater Discharge Permit Date: 11.17.06 Revision: 1
 Groundwater Monitoring
 Quality Assurance Plan (QAP)

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Turbidity

Turbidity

Volume of Water Purged Which Samples were Measured

150

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 =

Time to evacuate two caging volumes (2V)

T = 2V/Q =

Number of caging volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Facility Lab

Type of Sample	Sample Taken (circle)	Sample Volume (Indicate fraction of volume measured fraction)	Filtered (circle)	Preservative Added (circle)
VOCs	Y N	340 ml	Y	HCl Y N
Inorganics	Y N	300 ml	Y N	H ₂ SO ₄ Y N
Heavy Metals	Y N	250 ml	Y N	EDTA Y N
All Others Non-Radiological	Y N	250 ml	Y N	No Preservative Added
Gases Alpha	Y N	1000 ml	Y N	H ₂ SO ₄ Y N
Other (specify)	Y N	Sample volume	Y	Y N
chloride				If a preservative is used, Specify Type and Quantity of Preservative

Comments Arrives at 0900 Takes & from Rivers & Revisato
 Use the following 50 gallons filter 5 liter Max 50 gallons
 placed in Side Max 50 gallons P.T. Take at end of
 50 gallons P.T. collect the sample
 Sample collected at 0940

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quartermile from

Sampler

Location (well name) TW4-12

Name and initials Tanner Helliday Ryan Palmer

Date and Time for Purging 12-15-09 and Sampling (if different) 12-16-09

Well Purging Equip Used: Pump or trailer Well Pump (if other than Benner) Ground Gas

Sampling Event chloroform

Prev. Well Sampled in Sampling Event TW4-12 R

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 997 µMHOs/cm

Well Depth 101.5

Depth to Water Before Purging 38.72 Casing Volume (V) 4" Well: 40.99 (.653L)
38.47 3" Well: - (.367L)

Conductance (mV/g)

pH of Water (avg)

Well Water Temp. (avg)

Redox Potential (Eh)

Turbidity

Weather Cond: Sunny & Cold

Bar'l Amb. Temp. (prior to sampling event) -1.7 °C

Time: 10:19 Gal. Purged 36

Time: 10:24 Gal. Purged 16

Conductance 785.2

Conductance 799

pH 6.54

pH 7.0

Temperature 12.2

Temperature 13.15

Redox Potential (Eh) 496

Redox Potential (Eh) 478

Turbidity 4.3

Turbidity 4.2

Time: 10:25 Gal. Purged 72

Time: 10:26 Gal. Purged 78

Conductance 792.4

Conductance 788.1

pH 7.01

pH 7.05

Temperature 13.81

Temperature 13.82

Redox Potential (Eh) 475

Redox Potential (Eh) 471

Turbidity 3.6

Turbidity 3.9

Turbidity _____ Turbidity _____

Volume of Water Purged ~~With Well Parameters and Results~~ 78

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 $S/60 = \frac{6}{60} = 0.1$ Time to evacuate two casing volumes (2V)
 $T = 2V/Q = 13 \text{ Min}$

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

If well evacuated to dryness, number of gallons evacuated _____

Name of Certified Analytical Laboratory or Other Test Facility Lab _____

Type of Sample	Sample Taken (circle)	Sample Volume (Indicate if other volumes specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	Y N	300 ml	Y (Y)	HCl Y N
Inorganics	Y N	100 ml	Y (N)	H ₂ SO ₄ Y N
Heavy Metals	Y N	250 ml	Y N	HNO ₃ Y N
All Other Radionuclides	Y N	250 ml	Y N	No Preservative Added
Gross Alpha	Y N	1000 ml	Y N	H ₂ SO ₄ Y N
Other (specify)	Y N	Sample volume	Y (N)	Y N
chlorides				If a preservative is used, Specify Type and Quantity of Preservative.

Comments Arrived on Site at 1011 Ryan Polkse & Tanner
Wellbore Pressure Test Pumping Rate Began at 1012 Pressure
Well Test 13 Minutes Retrieved sample from 1011 to 1026

Sample taken at 1021 Tanner & Ryan Pressure Test Sampling
Sample was collected at 0821
Depth before sampling 33.97

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarantine chloroform

Sampler:

Location (well name) TW4-13 R Name and initials Tanner H. Ryan P.

Date and Time for Purging 12.15.09 and Sampling (if different)

Well Purging Equip Used: Pump or Boiler Well Pump (if other than Bennet) Ground Gas

Sampling Event chloroform Prev. Well Sampled in Sampling Event TW4-12

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 997 uMHO/cm Well Depth N/A

Depth to Water Before Purging N/A Casing Volume (V) 4th Well: — (653L)
3rd Well: — (367L)

Conductance (avg) — pH of Water (avg) —

Well Water Temp. (avg) — Redox Potential (Eh) — Turbidity —

Weather Cond: Sunny Wind Gentle Bar'l Amb. Temp (prior to sampling event) 0°C

Time: — Gal. Purged: — Time: — Gal. Purged: —

Conductance 13.8 Conductance 3.4

pH 7.42 pH 7.33

Temperature 2.03 Temperature 1.83

Redox Potential (Eh) 453 Redox Potential (Eh) 454

Turbidity 0.0 Turbidity 0.0

Time: — Gal. Purged: — Time: — Gal. Purged: —

Conductance — Conductance —

pH — pH —

Temperature — Temperature —

Redox Potential (Eh) — Redox Potential (Eh) —

Rinsate Before TW4-13

Turbidity

Turbidity

Volume of Water Parged When Field Parameters are Measured

150

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 =

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Labs

Type of Sample	Sample Taken (Circle)	Sample Volume (Indicate Indirectly if Not Specified Below)	Filtered (Circle)	Preservative Added (Circle)
VOCs	Y N	250 ml	Y	HCl Y N
Nutrients	Y N	100 ml	Y	HSG Y N
Heavy Metals	Y N	250 ml	Y N	EDTA Y N
All Other Non Radiometrics	Y N	250 ml	Y N	No Preservative Added
Groundwater	Y N	1,000 ml	Y N	HSG Y N
Other (Specify)	Y N	Sample volume	Y	Y
chloride				If a preservative is used, Specify Type and Quantity of Preservative:

Comments: Arivies at 1037 Tower & Paper Reservoir & Resists
Use the following 50 gallons Water Submerges Mill 50 gallons
place back the Stop Mix 50 gallons D.T. Well at end of
50 gallons D.T. We collect the sample
Sample collected at 11:11:30

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarter chloroform

Sampler:

Location (well name) TW4-13

Name and initials Tanner Holliday Ryan Palmer

Date and Time for Purgung 12-15-07 and Sampling (if different)

Well Purging Equip Used: pump or bailer Well Pump (if other than Benzel) Ground Gas

Sampling Event chloroform

Prev. Well Sampled in Sampling Event

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 997 $\mu\text{MHO}/\text{cm}$ Well Depth 105.5

Depth to Water Before Purgung 49.17 Casing Volume (V) 4" Well: 36.78 (.653L)
3" Well: (.367L)

Conductance (avg)

pH of Water (avg)

Well Water Temp. (avg)

Redox Potential (Eh) Turbidity

Weather Cond. Sunny

Env. Amb. Temp. (prior to sampling event) 41.6

Time: 1221 Gal. Purged 3.6

Time: 1223 Gal. Purged 5.0

Conductance 1557

Conductance 1579

pH 6.83

pH 6.89

Temperature 14.17

Temperature 14.25

Redox Potential (Eh) 490

Redox Potential (Eh) 472

Turbidity 5.8

Turbidity 114

Time: 1229 Gal. Purged 6.6

Time: 1230 Gal. Purged 7.3

Conductance 1582

Conductance 1583

pH 7.02

pH 6.86

Temperature 14.3

Temperature 14.34

Redox Potential (Eh) 466

Redox Potential (Eh) 468

Turb 15.7

Turb 16.5

Turbidity

Turbidity

Volume of Water Purged When Field Parameters are Measured

72

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = 6

Time to evacuate two caging volumes (2V)

T=2V/Q = 12 min

Number of caging volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab:

Type of Sample	Sample Taken (circle)	Sample Volume (ml volume of sample taken or collected below)	Preserved (circle)	Preservative Added (circle)
VOC	Y N	300 ml	Y	HCl Y N
Nutrients	72 N	100 ml	N	H2SO4 Y N
Heavy Metals	Y N	250 ml	N	HNO3 Y N
All Other Non- Radioactive	Y N	250 ml	N	No Preservative Added
Gross Alpha	Y N	1,000 ml	Y N	H2SO4 Y N
Other (specify)	Y N	Sample Volume	Y N	Y N
chloride				If a preservative is used, specify type and quantity of preservative.

Comments Arrived on site at 12:17 Ryan Polkett & Taylor
Wellhead Present See large bucket from began at 12:18 purged
Well to 12' Minus achieved static headloss to last site at 12:30

Sample received at 0830 Taylor & Dene present for sampling
Sample was collected at 0836.

Depth before sample = 49.17

ATTACHMENT 1
WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quartermile from Mill

Location (well name) TW 4 - 14 R Sampled by Tanner H. Ryan P.

Date and Time for Purging 12.15.07 and Sampling (if different)

Well Purging Equip Used: Pump or Boiler Well Pump (if other than Bennet) Ground Gas

Sampling Event chloroform Prev. Well Sampled in Sampling Event TW 4-13

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 997 $\mu\text{Mhos/cm}$ Well Depth NA

Depth to Water Before Purging NA Casing Volume (V) 4" Well (.653L)

Conductance (mV/g) — mV of Water (mV) —

Well Water Temp. (avg) — Redox Potential (Eh) — Turbidity —

Weather Cond. Sunny Est. Lab. Temp. (prior to sampling event) 41° C

Time: 0 Gal. Purged

Conductance 44

pH 7.94

Temperature 9.68

Redox Potential (Eh) 427

Turbidity 0

Time: Gal. Purged

Conductance 1.3

pH 7.90

Temperature 9.45

Redox Potential (Eh) 419

Time: Gal. Purged

Conductance —

pH —

Temperature —

Redox Potential (Eh) —

Turbidity —

Time: Gal. Purged

Conductance —

pH —

Temperature —

Redox Potential (Eh) —

RINSATE 0 BEFORE TW 4 14

រូបភាព

Turbidity

Volume of Water Purged ~~Water Purged Before Sampling~~ _____ 150

Pumping Rate Calculation

$$\text{Flow Rate } (Q) \text{, in g/min.} \quad \text{Time to evacuate two calling volumes } (2V) \\ S/60 = \underline{\hspace{2cm}} \quad T = 2V/Q = \underline{\hspace{2cm}}$$

Number of caving volumes evaluated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken (Circle)	Sample Volume (Indicate another volume if inconse- quential below)	Filtered (Circle)	Preservative Added (Circle)
VOCs	<input checked="" type="radio"/>	500 ml	<input checked="" type="radio"/>	HCl <input checked="" type="radio"/> N
Nutrients	<input checked="" type="radio"/>	100 ml	<input checked="" type="radio"/>	H ₂ SO ₄ <input checked="" type="radio"/> N
Heavy Metals	<input checked="" type="radio"/>	250 ml	<input checked="" type="radio"/>	HNO ₃ <input checked="" type="radio"/> N
All Other Non- Radiologicals	<input checked="" type="radio"/>	250 ml	<input checked="" type="radio"/>	No Preservative Added
Groundwater	<input checked="" type="radio"/>	1000 ml	<input checked="" type="radio"/>	H ₂ SO ₄ <input checked="" type="radio"/> N
Other (specify)	<input checked="" type="radio"/>	Sample volume _____	<input checked="" type="radio"/>	<input checked="" type="radio"/> N
<i>chloride</i>				If a preservative is used, Specify Type and Quantity of Preservative

Comments: Boines ST 1240 Tamm & Lamm present 4 Rinsate
Use the following 50 gallons Nitric Sulfuric Mix 50 gallons
Ammonium Oxide 50 Mix 50 gallons Dist Water at end of
50 gallons Dist Water collect the sample.
Sample collected at 13:30

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarter chloroform

Location (well name) TW4 - 14 Samplet Name and initials Tanner Holliday Ryan Palmer

Date and Time for Purgung 12-15-09 and Sampling (if different) 12-16-09

Well Purging Equip Used: pump or bailer Well Pump (if other than Benner) Ground Gas

Sampling Event chloroform Prev. Well Sampled in Sampling Event TW4 - 14 R

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 997 uMHOS/cm Well Depth 121.33

Depth to Water Before Purgung 89.2 Casing Volume (V) 4" Well (.653L)
92.73 (.204L) Well (.367L)

Conductance (mV) 11.63 Redox Potential (Eh) 405 Turbidity

Well Water Temp. (avg) 10.0 Redox Potential (Eh) 405 Turbidity

Weather Cond. Sunny Ext. Amb. Temp. (prior to sampling event) 41°C

Time: 1325 Gal. Parged 1325 Gal. Parged

Conductance 1.2 Conductance 2761

pH 7.43 pH 7.13

Temperature 6.11 Temperature 9.89

Redox Potential (Eh) 405 Redox Potential (Eh) 460

Turbidity 7.6 Turbidity 20.5

Time: 1325 Gal. Parged Gal. Parged

Conductance 4161 Conductance

pH 6.96 pH

Temperature 12.26 Temperature

Redox Potential (Eh) 474 Redox Potential (Eh)

Turb 13.1 Turb

pump Only Went
Down to About
91' 6". pump is
100' & we had
8' of Hanging Out of
Casing. This leads Me
to think that Maybe
the Casing is Collapsed

Turbidity

Turbidity

Volume of Water Parged ~~With TSPB2400 mg/L Chlorine~~

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = 6

Time to evacuate two casing volumes (2V)

T = 2V/Q = 7 Min

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated 12

Name of Certified Analytical Laboratory if Other Than Mercury Lab:

Type of Sample	Sample Taken (Circle)	Sample Volume (Minimum 10 ml unless otherwise indicated below)	Preserved (Circle)	Preservative Added (Circle)
VOCs	<input checked="" type="radio"/> N	500 ml	<input checked="" type="radio"/> N	HCl <input checked="" type="radio"/> N
Inorganics	<input checked="" type="radio"/> N	100 ml	<input checked="" type="radio"/> N	HSO <input checked="" type="radio"/> N
Heavy Metals	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	NO <input checked="" type="radio"/> N
All Other Radionuclides	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	No Preservative Added
Gross Alpha	<input checked="" type="radio"/> N	1000 ml	<input checked="" type="radio"/> N	HSO <input checked="" type="radio"/> N
Other (Specify)	<input checked="" type="radio"/> N	Sample volume	<input checked="" type="radio"/> N	<input checked="" type="radio"/> N
chloride				If a preservative is used, specify type and quantity of preservative:

Comments Arrived on site at 1319 Ryan Pahore to Tawnee Halliday Reserve Test Pump Unit. Pump began at 1323. Parged well for 2 minutes. Powed down pump and left site at 1327

Sample received at 0835. Test in Ryan Pahore Test Pump Unit

Sample was collected at 0845

Depth before sample 92.73

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarter chloroform

Sampler:

Location (well name) TW 4-15

Name and initials Ryan Palmer

Date and Time for Purging 12-14-07 and Sampling (if different) _____

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

Sampling Event chloroform

Prev. Well Sampled in Sampling Event MW-4

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 997 uMHOS/cm

Well Depth _____

Depth to Water Before Purging 75.36

Casing Volume (V) 4" Well: .653L

Conductance (avg) _____ 3" Well: .367L

Well Water Temp. (avg) _____

Redox Potential (Eh) _____

Turbidity _____

Weather Cond. clear, Sunny

Exit/Amb. Temp (prior to sampling event) _____

Melting snow

Time: 1411 Gal. Parged 9.5

Time: 1415 Gal. Parged 22.5

Conductance 3506

Conductance 3546

pH 6.84

pH 6.76

Temperature 14.01

Temperature 14.66

Redox Potential (Eh) 449

Redox Potential (Eh) 423

Turbidity 70.3

Turbidity 0

Time: 1413 Gal. Parged 13.5

Time: 1417 Gal. Parged 31.5

Conductance 3520

Conductance 3586

pH 6.78

pH 6.78

Temperature 14.49

Temperature 14.68

Redox Potential (Eh) 437

Redox Potential (Eh) 413

Turb 0.0

Turb 0.0

Turbidity _____

Turbidity _____

Volume of Water Parged When Field Parameters are Measured 1/4

Pumping Rate Calculation

Flow Rate (Q), in gpm. 4.5 Gpm Time to evacuate two casing volumes (2V)
S/60 = N/A T = 2V/Q = N/A

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

If well evacuated to dryness, number of gallons evacuated _____

Name of Certified Analytical Laboratory if Other Than Energy Lab _____

Type of Sample	Sample Taken (circle)	Sample Volume (indicate number unless specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="checkbox"/> N	3-40 ml	<input checked="" type="checkbox"/> N	HCl <input checked="" type="checkbox"/> N
Nutrients	<input checked="" type="checkbox"/> N	100 ml	<input checked="" type="checkbox"/> N	NaNO ₃ <input checked="" type="checkbox"/> N
Heavy Metals	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> N	HNO ₃ <input checked="" type="checkbox"/> N
All Other Non-Radiologicals	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> N	INDIRECTIVE ADDED
Gross Alpha	<input checked="" type="checkbox"/> N	1,000 ml	<input checked="" type="checkbox"/> N	H ₂ SO ₄ <input checked="" type="checkbox"/> N
Other (specify)	<input checked="" type="checkbox"/> N	Sample volume	<input checked="" type="checkbox"/> N	<input checked="" type="checkbox"/> N
<i>General chloride</i>				If a preservative is used, Specify Type and Quantity of Preservative:

Comments Active on Site at 1404 Ryan Palace Present.
All flow requires as this is a horizontal pumping well. One set
of parameters were taken & then sample was collected. Otherwise took
place at 1420 left site at 1923.

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarantine chloroform

Sampler

Location (well name) TW4 - 16 R Name and initials Tanner H. Ryan Jr.

Date and Time for Purging 12.15.07 and Sampling (if different) -

Well Purging Equip Used: Pump or bailey Well Pump (if other than Bennet) Ground Gas

Sampling Event chloroform Prev. Well Sampled in Sampling Event TW4 - 9

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 997 uMHOS/cm Well Depth NA

Depth to Water Before Purging NA Casing Volume (V) 4th Well: (.653L)

Conductance (avg) — Casing Volume (V) 3rd Well: (.367L)

Well Water Temp. (avg) — Redox Potential (Eh) — Turbidity —

Weather Cond: Mostly Sunny Bar'l Amb. Temp (prior to sampling event) 5° C

Time: 11:27 Gal. Purged — Time: 11:31 Gal. Purged —

Conductance 6.5 Conductance 4.5

pH 7.19 pH 6.91

Temperature 3.90 Temperature 3.79

Redox Potential (Eh) 228 Redox Potential (Eh) 254

Turbidity 0.0 Turbidity 0.0

Time: — Gal. Purged — Time: — Gal. Purged —

Conductance — Conductance —

pH — pH —

Temperature — Temperature —

Redox Potential (Eh) — Redox Potential (Eh) —

RINSATE BEFORE TW4 16

Turbidity

Turbidity

Volume of Water Purged ~~With~~ Measured

150

Flowping Rate Calculation

Flow Rate (\dot{Q}), in g/min.

$$S/60 = \frac{1}{60} \times 1000 = 16.67$$

Time to evacuate two caring volumes (2V)

$$T = 2V/Q = \underline{\hspace{1cm}}$$

Number of caging volumes evaluated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab:

Type of Sample	Sample Taken (Circle)	Sample Volume Indicate if other than 1 ml specified	Filtered (Circle)	Preservative Added (Circle)
VOC	<input checked="" type="radio"/> N	5.0 ml	<input checked="" type="radio"/> Y <input type="radio"/> N	HCl <input checked="" type="radio"/> N
Nitrogenous	<input checked="" type="radio"/> N	100 ml	<input checked="" type="radio"/> Y <input type="radio"/> N	HSO <input checked="" type="radio"/> N
Heavy Metal	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> Y <input type="radio"/> N	NO <input checked="" type="radio"/> N
All Other Non- Radioactive	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> Y <input type="radio"/> N	No Preservative Added
Group A	<input checked="" type="radio"/> N	1000 ml	<input checked="" type="radio"/> Y <input type="radio"/> N	HSO <input checked="" type="radio"/> N
Other (Specify)	<input checked="" type="radio"/> N	Sample volume	<input checked="" type="radio"/> Y <input type="radio"/> N	Y <input type="radio"/> N
<i>chloride</i>				If a preservative is used, Specify Type and Quantity of Preservative

Comments: Rivers at 1400 Tarnor & Payne Rivers of Rivasito
flow the following 50 gallons Milic Subiria Rio, 50 gallons
Merchak Rio Sula Rio 50 gallons Rio Ixteca at end of
50 gallons P. 50 we collect the sample.
Sample collected at 1432

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4" Quartz chloroform

Sampler:

Location (well name) TW4-16

Name and initials Tammy Holliday Ryan Palmer

Date and Time for Purgung 12-16-09 and Sampling (if different) 12-17-09

Well Purging Equip Used: ✓ pump or bailey Well Pump (if other than Bennet) Ground Gas

Sampling Event chloroform

Prev. Well Sampled in Sampling Event TW4-16 R

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 997 µMHO/cm

Well Depth 142

Depth to Water Before Purgung 65.34

Casing Volume (V) 4" Well: 51.36 (.653L)

65.4

3" Well: (.367L)

Conductance (avg) 997

pH of Vessel (PVC) 7.0

Well Water Temp. (avg) 14.39

Redox Potential (Eh) -411 Turbidity 10

Weather Cond: Mostly Sunny

Ext'nt Amb. Temp. (prior to sampling event) 4.5°C

Time: 1447 Gal. Purged 48

Time: 1454 Gal. Purged 90

Conductance 3804

Conductance 3783

pH 5.98

pH 6.92

Temperature 13.54

Temperature 13.65

Redox Potential (Eh) -411

Redox Potential (Eh) 380

Turbidity 62

Turbidity 10

Time: 1455 Gal. Purged 96

Time: 1456 Gal. Purged 102

Conductance 3788

Conductance 3750 3738

pH 6.89

pH 6.87 6.91

Temperature 14.39

Temperature 14.25 14.03

Redox Potential (Eh) 378

Redox Potential (Eh) 375 371

Turb 9.0

Turb 3.6 1.3

Turbidity

Turbidity

Volume of Water Parged When Well First Reached the Casing: 102

Pumping Rate Calculation

Flow Rate (Q), in gpm.

$$S/60 = \underline{\hspace{2cm}} = \underline{\hspace{2cm}} 6$$

Time to evacuate two casing volumes (2V)

$$T = 2V/Q = \underline{\hspace{2cm}} 17 \text{ Min}$$

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

If well evacuated to dryness, number of gallons evacuated:

Name of Certified Analytical Laboratory if Other Than Energy Lab:

Type of Sample	Sample Taken (circle)	Sample Volume (ml) or fraction of volume specified below	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="radio"/>	240 ml	<input checked="" type="radio"/>	HCl <input checked="" type="radio"/> N
Nitrates	<input checked="" type="radio"/> N	100 ml	<input checked="" type="radio"/>	HSO4 <input checked="" type="radio"/> N
Heavy Metals	N	250 ml	<input checked="" type="radio"/>	HSO4 <input checked="" type="radio"/> N
All Other Non-Pathogens	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/>	No Preservative Added
Gross Alpha	<input checked="" type="radio"/> N	1000 ml	<input checked="" type="radio"/>	HSO4 <input checked="" type="radio"/> N
Other (specify)	<input checked="" type="radio"/> N	Sample volume	<input checked="" type="radio"/>	Y <input checked="" type="radio"/> N
chlorides				If a preservative is used, specify type and quantity of preservative

Comments Arrived at Site at 1438 Ryan Polaris to Turner
Bellidew Desert Test Area Event Date Original at 1439 Regas
Well took 17 Minutes Achieved static bottomless & left site at 1457
Purge ended at 1456

Sample received at 0935 Turner & Ryan present for sampling
Sample was taken at 0940
Depth before sample 65.4

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quartermile chloroform

Sample:

Location (well name) MW 32/TW4 17 Name and initials Tanner Holliday Ryan Palmer

Date and Time for Purging 12-16-07 and Sampling (if different)

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

Sampling Event chloroform

Prev. Well Sampled in Sampling Event TW4 25

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 997 µMhos/cm

Well Depth 32.5

Depth to Water Before Purging 77.43

Casing Volume (V) 4" Well 35.96 (.653L)

Conductance (avg)

3" Well .367L

Well Water Temp. (avg)

Redox Potential (Eh) Turbidity

Weather Cond. Hazy clouds

Bar'l Amb. Temp. (in or to sampling event) 30

Time: 1350 Gal. Pурged 2

Time: 130 Gal. Pурged 12.51

Conductance 4024

Conductance 4040

pH 6.61

pH 6.58

Temperature 13.11

Temperature 13.66

Redox Potential (Eh) 465

Redox Potential (Eh) 205

Turbidity 4

Turbidity 1.5

Time: 1315 Gal. Pурged 65.1

Time: 1340 Gal. Pурged 70.52

Conductance 4037

Conductance 4063

pH 6.5

pH 6.39

Temperature 13.68

Temperature 13.21

Redox Potential (Eh) 370

Redox Potential (Eh) 246

Turb 1.1

Turb .5

Turbidity _____ Turbidity _____

Volume of Water Purged When Well Pumping was Initiated 71.82

Pumping Rate Calculation

$$SV60 = \frac{V}{Q} \cdot 60 \quad \text{Time to evacuate two casing volumes (2V)} \\ T = 2V/Q = 331 \text{ Min}$$

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

If well evacuated to dryness, number of gallons evacuated _____

Name of Certified Analytical Laboratory if Other Than Quality Lab _____

Type of Sample	Sample Taken (check)	Sample Volume (Indicate if other than volume specified below)	Filtered (check)	Preservative Added (check)
VOCs	<input checked="" type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	HCl <input checked="" type="checkbox"/> N
Nutrients	<input checked="" type="checkbox"/>	100 ml	<input checked="" type="checkbox"/>	H2SO4 <input checked="" type="checkbox"/> N
Heavy Metals	<input checked="" type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	HNO3 <input checked="" type="checkbox"/> N
All Other Radiotracers	<input checked="" type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	No Preservative Added
Gross Alpha	<input checked="" type="checkbox"/>	1000 ml	<input checked="" type="checkbox"/>	H2SO4 <input checked="" type="checkbox"/> N
Other (specify)	<input checked="" type="checkbox"/>	Sample volume	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
chlorides				If a preservative is used, specify type and quantity of preservative.

Comments Arrived on site at 0809 Ryan Palmer & Tanner
Holliday present for pump test. Pump began at 0815 per plan.
Well took 331 Minutes
Purge ended at 1346. Samples taken at 1346. Left site at 1355
Samples sent to lab for analysis

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarter chloroform

Sampler:

Location (well name) TW4-18 R

Name and initials Tanner H. Ryan P.

Date and Time for Purging 12-21-09 and Sampling (if different)

Well Purging Equip Used: ✓ pump or boiler Well Pump (if other than Bennet) Ground Gas

Sampling Event chloroform

Prev. Well Sampled in Sampling Event TW4-5

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 997 $\mu\text{MHO}/\text{cm}$

Well Depth NA

Depth to Water Before Purging NA

Casing Volume (V) 4" Well (.6538)

Conductance (μmho)

Volume of Water (VW)

Well Water Temp. (avg)

Redox Potential (Eh) — Turbidity

Weather Cond. Cloudy

Ext/Lab. Temp (prior to sampling event) 25°

Time: 00:00 Gal. Purged

Time: 00:00 Gal. Purged

Conductance 3.5

Conductance 1.6

pH 7.30

pH 7.39

Temperature 3.55

Temperature 3.36

Redox Potential (Eh) 537

Redox Potential (Eh) 532

Turbidity 0.0

Turbidity 0.0

Time: 00:00 Gal. Purged

Time: 00:00 Gal. Purged

Conductance

Conductance

pH

pH

Temperature

Temperature

Redox Potential (Eh)

Redox Potential (Eh)

RINSATE BEFORE - TW4-18

Turbidity

Theroidics

Volume of Water Purged When Field Parameters are Measured

Pumping Rate Calculation

Flow Rate (Q), in gpm.

$$S/DO = \frac{V}{Q} = \frac{2}{Q} \quad T = 2V/Q$$

Time to evacuate two caning volumes (2V)

$$T = 2V/Q$$

Number of caging volumes evacuated (if other than two)

If well evacuated to drynene, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab:

Type of Sample	Sample Taken (circle)	Sample Volume and dilution if other than 1 ml is required	Diluted (circle)	Preservative Added (circle)
VOL.	<input checked="" type="radio"/>	1 ml/ml	<input checked="" type="radio"/>	HCl <input checked="" type="radio"/> N
Nutrients	<input checked="" type="radio"/>	100 ml	<input checked="" type="radio"/>	H ₂ SO ₄ <input checked="" type="radio"/> N
Heavy Metals	<input checked="" type="radio"/>	250 ml	<input checked="" type="radio"/>	INO <input checked="" type="radio"/> N
All Other Non- Microscopic	<input checked="" type="radio"/>	250 ml	<input checked="" type="radio"/>	No Preservative Added
Gross Analysis	<input checked="" type="radio"/>	100 ml	<input checked="" type="radio"/>	H ₂ SO ₄ <input checked="" type="radio"/> N
Other (Specify)	<input checked="" type="radio"/>	Sample volume <u>chloride</u>	<input checked="" type="radio"/>	If a preservative is used, Specify Type and Quantity of Preservative

Comments: Boines at 0929 Tamm 13 layer lenses of Rivebank
lens the following 50 gallons. About Sublim. Min., 50 gallons
there about 500 ft. above Min. 50 gallons. D. I. Water at end of
150 gallons D. I. We'll collect the sample.
Sample collected at 0935.

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quartz chloroform

Location (well name) TW4 - 18 Sampler Tanner Holliday Ryan Palmer

Date and Time for Purgung 12-21-09 and Sampling (if different) 12-22-09

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

Sampling Event chloroform Prev. Well Sampled in Sampling Event TW4 - 18 R

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 997 $\mu\text{Mhos/cm}$ Well Depth 137.5

Depth to Water Before Pumping 56.56 Casing Volume (V) 4" Well: .52.85 (.653L)
56.24 3" Well: .367L

Conductance (avg) 153.8 Resistivity (avg) 1000000

Well Water Temp. (avg) 13.48 Redox Potential (Eh) 571 Turbidity 1.1

Weather Cond. Cloudy Barometric Temp. (prior to sampling event) 11.8

Time: 10:31 Gal. Parged 42 Time: 10:39 Gal. Parged 46

Conductance 153.8 Conductance 14120

pH 6.86 pH 6.8

Temperature 13.48 Temperature 13.89

Redox Potential (Eh) 571 Redox Potential (Eh) 549

Turbidity 14.8 Turbidity .6

Time: 10:28 Gal. Parged 96 Time: 10:39 Gal. Parged 102

Conductance 1410 Conductance 1413

pH 6.82 pH 6.8

Temperature 14.3 Temperature 14.43

Redox Potential (Eh) 543 Redox Potential (Eh) 540

Turb .4

Turb .1

Turbidity

Turbidity

Volume of Water Purged ~~Water Purged Before Sample Collected~~ 102

Pumping Rate Calculation:

Flow Rate (Q), in gpm.

S/60 = 6

Time to evacuate two casing volumes (2V)

T = 2V/Q = 17 min

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab:

Type of Sample	Sample Taken (Casing)	Sample Volume (milliliters or milligrams Specified)	Infused (circle)	Preservative Added (circle)
VOCs	Y N	500 ml	N Y	HCl Y N
Nutrients	Y N	100 ml	Y N	H2SO4 Y N
Heavy Metals	Y N	250 ml	N Y	HNO3 Y N
All Other Non Radiological	Y N	250 ml	Y N	No Preservative Added
Gross Alpha	Y N	1000 ml	Y N	H2SO4 Y N
Other (Specify)	Y N	Sample volume	Y N	Y N
Chlorides				If a preservative is used, Specify Type and Quantity of Preservative

Comments Arrived on Site AT 1029 Ryan Parked & Tanner Holiday Inn Take Pump Event Pump Began AT 1024 Pumps Well Flow 17 Minutes Achieved 270 ft Waterline to lower side AT 1042 Pump ended at 1043

Sample: Barrow AT 0819 Tanner & Ryan Pump End: Songolpa Sample was collected AT 0826 sampling outside at time of sample Depth before sample 56.24

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarterm chloroform

Sampler:

Location (well name) TW4-19

Name and initials Ryan Palmer

Date and Time for Purgging 12-14-07 and Sampling (if different)

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

Sampling Event chloroform

Prev. Well Sampled in Sampling Event

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 997 $\mu\text{Mhos}/\text{cm}$

Well Depth

Depth to Water Before Purgging 65.50

Casing Volume (V) 4" Well: .653l

Conductance (avg)

3" Well: .367l

pH of Water (avg)

Well Water Temp. (avg)

Redox Potential (Eh)

Turbidity

Weather Cond.

Ext'l Amb. Temp. (prior to sampling event)

Time: 1541 Gal. Purged 8

Time: 1545 Gal. Purged 10

Conductance 3067

Conductance 3079

pH 7.02

pH 6.96

Temperature 14.50

Temperature 14.86

Redox Potential (Eh) 366

Redox Potential (Eh) 367

Turbidity 0.8

Turbidity 0.2

Time: 1543 Gal. Purged 24

Time: 1547 Gal. Purged 56

Conductance 3077

Conductance 3012

pH 6.99

pH 6.98

Temperature 14.70

Temperature 14.81

Redox Potential (Eh) 367

Redox Potential (Eh) 367

Tools 0

Tools :3

Turbidity

Turbidity

Volume of Water Purged When Field Parameters are Measured N/A

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = N/A

Time to evacuate two casing volumes (2V)

T = 2V/Q = N/A

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory or Other Third Party Lab

Type of Sample	Sample Taken (circle)	Sample Volume (indicate if other than 100 ml is specified below)	Filtrated (circle)	Preservative Added (circle)
VOCs	<input checked="" type="radio"/> N	3000 ml	<input checked="" type="radio"/> N	HCl <input checked="" type="radio"/> N
Nutrients	<input checked="" type="radio"/> N	100 ml	<input checked="" type="radio"/> N	H ₂ SO ₄ <input checked="" type="radio"/> N
Heavy Metals	Y N	250 ml	<input checked="" type="radio"/> N	HNO ₃ Y N
All Other Radiologics	Y N	250 ml	<input checked="" type="radio"/> N	No Preservative Added
Gross Alpha	Y N	1000 ml	<input checked="" type="radio"/> N	H ₂ SO ₄ Y N
Other (specify)	<input checked="" type="radio"/> N	Sample volume	<input checked="" type="radio"/> N	Y
<i>General chloride</i>				If a preservative is used, Specify Type and Quantity of Preservative:

Comments Relate on Site at 1532 Raw Palms Road.
All flow lines to this is a previous pumping well. One set
of pumpells were taken to the sample tube collector. Collector took
place at 1550 half site at 1554

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarter chloroform

Sampler

Location (well name) TW 4-20 Name and initials Ryan Palmer

Date and Time for Purging 12.14.09 and Sampling (if different)

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

Sampling Event chloroform Prev. Well Sampled in Sampling Event _____

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 997 $\mu\text{Mhos}/\text{cm}$ Well Depth _____

Depth to Water Before Purging 68.54 Casing Volume (V) 4" Well: (.653L)

3" Well: (.367L)

Conductance (avg) pH of Water (avg) _____

Well Water Temp. (avg) Redox Potential (Eh) Turbidity _____

Weather Cond: clear skies Ext'l Amb. Temp (prior to sampling event) _____

A lot of snow on the ground

Time: 1315 Gal. Purged 0 Time: 1317 Gal. Purged 0

Conductance 3462 Conductance 3523

pH 6.50 pH 6.11

Temperature 15.20 Temperature 15.52

Redox Potential (Eh) 529 Redox Potential (Eh) 487

Turbidity 4.7 Turbidity 0

Time: 1316 Gal. Purged 0 Time: 1318 Gal. Purged 0

Conductance 3452 Conductance 3604

pH 6.13 pH 6.10

Temperature 15.47 Temperature 15.60

Redox Potential (Eh) 504 Redox Potential (Eh) 476

Turbidity 2.3 Turbidity 0

Turbidity _____

Turbidity _____

Volume of Water Parged When Field Parameters are Measured N/A

Pumping Rate Calculation

Flow Rate (Q), in gpm. 2.4 gpm
 $S/60 = \frac{Q}{N_A} = \frac{2.4}{N_A}$ Time to evacuate two casing volumes (2V)
 $T = 2V/Q = \frac{2V}{Q} = \frac{2V}{\frac{Q}{N_A}} = \frac{2VN_A}{Q} = \frac{2VN_A}{2.4} = VN_A$ N/A

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

If well evacuated to dryness, number of gallons evacuated _____

Name of Certified Analytical Laboratory if Other Than Energy Lab _____

Type of Sample	Sample Taken (circle)	Sample Volume (Indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="radio"/> N	3x40 ml	<input checked="" type="radio"/> N	HCl <input checked="" type="radio"/> N
Nutrients	<input checked="" type="radio"/> N	100 ml	<input checked="" type="radio"/> N	H ₂ SO ₄ <input checked="" type="radio"/> N
Heavy Metals	Y N	250 ml	<input checked="" type="radio"/> N	HNO ₃ Y N
All Other Non-Radiologics	Y N	250 ml	<input checked="" type="radio"/> N	No Preservative Added
Gross Alpha	Y N	1,000 ml	<input checked="" type="radio"/> N	H ₂ SO ₄ Y N
Other (specify)	<input checked="" type="radio"/> N	Sample volume	<input checked="" type="radio"/> N	<input checked="" type="radio"/> N
If a preservative is used, Specify Type and Quantity of Preservative:				

Comments Collect at Site #1306 Ryan Palmer Present
All purge required as this is a previous pumping well. One set
of parameters were taken to then sample was collected. Collection took
place at 1325 left side at 1329

ATTACHMENT 1
WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarter chloroFORM

Sampler

Location (well name) TW 4-21 R Name and initials Tanner H. Ryan P.

Date and Time for Purging 12.15.07 and Sampling (if different)

Well Purging Equip Used: Pump or Boiler Well Pump (if other than Bennet) Ground Tds

Sampling Event chloroform Prev. Well Sampled in Sampling Event _____

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 997 µMhos/cm Well Depth NA

Depth to Water Before Purging NA Casing Volume (V) 4" Well: (.653L)

Conductance (mV) — pH or V/Vc (mV) — 3" Well: (.367L)

Well Water Temp. (avg) — Redox Potential (Eh) — Turbidity —

Weather Cond. Coudy Ext'l Amb. Temp. (prior to sampling event) 15°

Time: — Gal. Purged — Time: — Gal. Purged —

Conductance 3.0 Conductance 1.4

pH 7.22 pH 7.41

Temperature 5.08 Temperature 4.37

Redox Potential (Eh) 514 Redox Potential (Eh) 505

Turbidity 0.0 Turbidity 0.0

Time: — Gal. Purged — Time: — Gal. Purged —

Conductance — Conductance —

pH — pH —

Temperature — Temperature —

Redox Potential (Eh) — Redox Potential (Eh) —

RINSATE BEFORE TW4-21

Turbidity

Turbidity

Volume of Water Purged When Field Parameters measured

150

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = 6

Time to evacuate two casing volumes (2V)

T = 2V/Q =

Number of casing volumes evacuated (if different from two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory or Other Team Energy Lab

Type of Sample	Sample Taken (circle)	Sample Volume (minimum required volume measured in ml.)	Diluted (circle)	Preservative Added (circle)
VOCs	<u>Y</u> N	300 ml	<u>Y</u> <u>Y</u>	HCl <u>Y</u> N
Nutrients	<u>Y</u> N	100 ml	<u>Y</u> <u>Y</u>	H2SO4 <u>Y</u> N
Heavy Metals	<u>Y</u> N	250 ml	<u>Y</u> N	NO3 <u>Y</u> N
All Other Radioactive	Non <u>Y</u> N	250 ml	<u>Y</u> N	NO PRESERVATIVE ADDED
Gaseous Alpha	<u>Y</u> N	1000 ml	<u>Y</u> N	H2SO4 <u>Y</u> N
Other (specify)	<u>Y</u> N	Sample volume	<u>Y</u> <u>Y</u>	<u>Y</u> <u>Y</u>
<u>chloride</u>				If a preservative is used, Specify Type and Quantity of Preservative:

Comments: Borehole #1047 Taper & Pump Resist to Resist
Pump the following 50 gallons While Suction May 50 gallons
Please note for some more 50 gallons D.T. Water at end of
50 gallons P.D. We'll collect the sample
Sample collected at 1117

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Unacted chloroform

Sampler

Location (well name) TW4-21

Name and initials Tanner Holliday Ryan Palmer

Date and Time for Puriing 12-21-09 and Sampling (if different) 12-22-09

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

Sampling Event chloroform

Prev. Well Sampled in Sampling Event TW4-21 R

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 997 $\mu\text{MHOOS/cm}$

Well Depth 12.5

Depth to Water Before Puriing 58.19

Casing Volume (V) 4" Well: .43.62 (.653L)

57.2

2" Well: (.367L)

Conductance (mV)

Time of Purge (min)

Well Water Temp. (avg)

Redox Potential (Eh)

Turbidity

Weather Cond

Bit'l Amb. Temp (or ref to sampling event) 30°C

Time: 12:55 Gal. Pured 4.2

Time: 13:01 Gal. Pured 7.2

Conductance 3207

Conductance 3146

pH 6.92

pH 7.08

Temperature 14.49

Temperature 15.01

Redox Potential (Eh) 577

Redox Potential (Eh) 566

Turbidity .8

Turbidity 1.8

Time: 13:02 Gal. Pured 7.8

Time: 13:03 Gal. Pured 8.4

Conductance 3200

Conductance 3210

pH 7.05

pH 7.1

Temperature 15.03

Temperature 15.04

Redox Potential (Eh) 564

Redox Potential (Eh) 559

Turb 1.1

Turb 12

Turbidity

Turbidity

Volume of Water Purged When Well Parameters are Measured

84

Pumping Rate Calculation

Flow Rate (Q), in gpm.

$$S/60 = \underline{\hspace{2cm}} = 6$$

Time to evacuate two casing volumes (2V)

$$T = 2V/Q = \underline{\hspace{2cm}} / 6 = 14$$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken (check)	Sample Volume (Indicate in ml or liters if not specified below)	Filtered (circle)	Preservative Added (circle)
VOC	Y N	500 ml	Y ()	HCl Y N
Nutrients	Y N	100 ml	Y ()	H2SO4 Y N
Heavy Metals	Y N	250 ml	Y N	HNO3 Y N
All Other Not Radiolysis	Y N	250 ml	Y N	No Preservative Added
Glass Aliquot	Y N	1000 ml	Y N	H2SO4 Y N
Other (specify) chloride	Y N	Sample volume	Y ()	Y ()
				If a preservative is used, specify type and quantity of preservative

Comments Arrived on Site at 1246 Ryan Pahue & Tanner Holliday Masonry Inc. Pump Event began at 1249 Pumps still run 14 Minutes Achieved stable flowrate & left side at 1304 Pump ended at 1303
Sample received at 0838 Tanner & Pahue present for sampling
Sample was collected at 0845 showing at time of sample
Depth before sample 57.2

ATTACHMENT 1
WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarantine Farm

Location (well name) Tw 4 - 22 R Sampler Tanner H. Ryan P.

Date and Time for Purging 12-28-09 and Sampling (if different) -

Well Purging Equip Used: Pump or bailer Well Pump (if other than Beamer) Ground Gas

Sampling Event chloroform Prev. Well Sampled in Sampling Event Tw 4-4

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 997 $\mu\text{Mhos}/\text{cm}$ Well Depth NA

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

Conductance (avg) - Redox Potential (Eh) - Turbidity -

Well Water Temp. (avg) - Redox Potential (Eh) - Turbidity -

Weather Cond: Cloudy Barometric Pressure (in or mm sampling event) -10

Time Gal. Poured Time Gal. Poured

Conductance 4.1 Conductance 3.1

pH 7.49 pH 7.44

Temperature 4.27 Temperature 4.23

Redox Potential (Eh) 444 Redox Potential (Eh) 439

Turbidity 0.0 Turbidity 0.0

Time Gal. Poured Time Gal. Poured

Conductance - Conductance -

pH - pH -

Temperature - Temperature -

Redox Potential (Eh) - Redox Potential (Eh) -

RINSATE BEFORE

Turbidity

Turbidity

Volume of Water Purged When Field Transient are Measured

150

Pumping Rate Calculation

Flow Rate (Q), in gpm.

$$S/60 = \frac{6}{T} = \frac{6}{T=2V/Q}$$

Time to evacuate two casing volumes (2V)

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other than Mill Laboratory

Type of Sample	Sample Taken (check)	Sample Volume (Indicate volume collected below)	Filtered (check)	Preservative Added (check)
VOCs	<input checked="" type="checkbox"/>	500 ml	<input checked="" type="checkbox"/>	HCl <input checked="" type="checkbox"/> N
Inorganics	<input checked="" type="checkbox"/>	100 ml	<input checked="" type="checkbox"/>	ESO <input checked="" type="checkbox"/> N
Heavy Metals	<input checked="" type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	HACN <input checked="" type="checkbox"/> N
All Other Non-Radiological	<input checked="" type="checkbox"/>	250 ml	<input checked="" type="checkbox"/>	No Preservative added
Gross Alpha	<input checked="" type="checkbox"/>	1000 ml	<input checked="" type="checkbox"/>	ESO <input checked="" type="checkbox"/> N
Other (specify)	<input checked="" type="checkbox"/>	Sample volume	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/>
chloride				If a preservative is used, specify type and quantity of preservative

Comments: Arrived at 1231 Took a few liters & rinsate
Used the following 30 gallons. After 30 min. took 50 gallons
through the filter. Min. 50 gallons P.T. water at end of
50 gallons P.T. we folded the sample
Sample collected at 1302.

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarter chloroform

Sampler

Location (well name) TW4-22

Name and initials Tanner Holliday Ryan Palmer

Date and Time for Purgings 12-28-07, and Sampling (if different) 12-29-07

Well Purging Equip Used: Pump or Boiler Well Pump (if other than Boiler) Gravel Fiss

Sampling Event chloroform Prev. Well Sampled in Sampling Event TW4-22 R

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 997 uMHO/cm Well Depth 115

Depth to Water Before Purgings 55.58 Casing Volume (V) 4" Well: 38.80 (.653L)
55.23 3" Well: — (.367L)

Conductance (mV) Redox Potential (Eh) Turbidity

Well Water Temp. (avg) Redox Potential (Eh) Turbidity

Werner Cond 1.2 Redox (Cass) -150 Amb. Temp (prior to sampling event) -15

Time: 1327 Gal. Purged 72 Time: 1328 Gal. Purged 78

Conductance 4718 Redox Potential (Eh) 503

pH 6.57 Temperature 13.53

Temperature 13.53 Redox Potential (Eh) 491

Turbidity 38 Turbidity 19.2

Time: 1327 Gal. Purged 72 Time: 1328 Gal. Purged 78

Conductance 4981 Conductance 5267

pH 7.14 pH 6.97

Temperature 13.89 Temperature 14.07

Redox Potential (Eh) 484 Redox Potential (Eh) 481

Turb 20.8 Turb 21.1

Turbidity

Turbidity

Volume of Water Purged When Field Pumping was Terminated

78

Pumping Rate Calculation

Flow Rate (Q), in gpm.

$$S/60 = \underline{6}$$

Time to evacuate two casing volumes (2V)

$$T = 2V/Q = \underline{13} \text{ min}$$

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Eaney Lab

Type of Sample	Sample Taken (circle)	Sample Volume (Indicate whether volume specified below)	Filtrated (circle)	Preservative Added (circle)
VOCs	<input checked="" type="checkbox"/> N	2000 ml	<input checked="" type="checkbox"/> Y	HCl <input checked="" type="checkbox"/> N
Nutrients	<input checked="" type="checkbox"/> N	100 ml	<input checked="" type="checkbox"/> Y	HNO ₃ <input checked="" type="checkbox"/> N
Heavy Metals	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> Y	HNO ₃ <input checked="" type="checkbox"/> N
All Other Radiotomics	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> Y	No Preservative Added
Gross Alpha	<input checked="" type="checkbox"/> N	1000 ml	<input checked="" type="checkbox"/> Y	H ₂ SO ₄ <input checked="" type="checkbox"/> N
Other (specify)	<input checked="" type="checkbox"/> N	Sample volume	<input checked="" type="checkbox"/> Y	<input checked="" type="checkbox"/> N
chloride				If a preservative is used, specify type and quantity of preservative.

Comments Arrived on Site at 1313 Ryan Polwer & Turner
Holiday Inn for Pump Test. Pump began at 1315 Purged
well for 3 minutes. Achieved static bottoms & left site at 1328
Purge ended at 1328
Sample 1 Purged at 0716 Turner & Ryan Present for Sampling
Sample was collected at 0803
Depth before sample 55.23

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarter chloroform

Location (well name) TW 4-23R Name and initials Tanner H. Ryan P.

Date and Time for Purging 12.15.09 and Sampling (if different)

Well Purging Equip Used: Pump or bailer Well Pump (if other than Bennet) Ground Gas

Sampling Event chloroform Prev. Well Sampled in Sampling Event TW 4-14

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 997 mMOS/cm Well Depth N/A

Depth to Water Before Purging N/A Casing Volume (V) 4" Well: (.633L)
3" Well: (.367L)

Conductance (mV) 1000 Redox Potential (Eh) -419 Turbidity 0.0

Well Water Temp. (avg) 41.1 Redox Potential (Eh) -419 Turbidity 0.0

Weather Cond. Sunny Ent. Amb. Temp. (prior to sampling event) 41°C

Time: 14/11 Gal. Purged 0.0 Time: 14/11 Gal. Purged 0.0

Conductance 31.9 Conductance 19.4

pH 7.74 pH 7.41

Temperature 34.4 Temperature 18.9

Redox Potential (Eh) -419 Redox Potential (Eh) -418

Turbidity 0.0 Turbidity 0.0

Time: 14/11 Gal. Purged 0.0 Time: 14/11 Gal. Purged 0.0

Conductance 19.4 Conductance 19.4

pH 7.41 pH 7.41

Temperature 18.9 Temperature 18.9

Redox Potential (Eh) -418 Redox Potential (Eh) -418

Turb 0.0 Turb 0.0

RINSATE BEFORE

Turbidity

Turbidity

Volume of Water Purged When Field Parameters are Measured

Purging Rate Calculation

Flow Rate (Q), in gpm.

S/60 =

Time to evacuate two caging volumes (2V)

T=2V/Q =

Number of caging volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory or Other Third Party Lab

Type of Sample	Sample Taken (circle)	Sample Volume (Indicate if sample volume is specified below)	Filtered (circle)	Preservative Added (circle)
VOCS	Y N	500 ml	Y <input checked="" type="checkbox"/>	HCl Y N
Nutrients	Y N	100 ml	Y <input checked="" type="checkbox"/>	H ₂ SO ₄ Y N
Heavy Metals	Y N	250 ml	Y N	NO ₂ Y N
All Other Radiological	Y N	250 ml	Y N	AND Preservative Added
Gross Alpha	Y N	1000 ml	Y N	H ₂ SO ₄ Y N
Other (Specify)	Y N	Sample Volume	Y <input checked="" type="checkbox"/>	Y <input checked="" type="checkbox"/>
chloride				If a preservative is used, Specify Type and Quantity of Preservative:

Composite Rivers at 1340 Tons & less Present & Resists
Use the following 50 gallons Nitric Acid 1M, 50 gallons
phosphate 1M, 50 gallons D.T. Soln at End of
50 gallons D.T. we collect the sample 1112
Sample collected at 1413

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarter chloroform

Location (well name) TW4 - 23 Sampler Tanner Holliday Ryan Palmer

Date and Time for Purgung 12-15-09 and Sampling (if different) 12-16-09

Well Purging Equip Used: Pump or Blower Well Pump (if other than Benner) Ground Gas

Sampling Event chloroform Prev. Well Sampled in Sampling Event TW4-23 R

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 997 mHOs/cm Well Depth 123.3

Depth to Water Before Purgung 66.91 Casing Volume (V) 4" Well: 36.82 (.653L)
67.01 3" Well: — (.367L)

Conductance (mV)

Well Water Temp. (avg)

Redox Potential (Eh)

Turbidity

Weather Cond.

Env't Amb. Temp (prior to sampling event) 5°C

Time: 14:24 Gal. Purged 30 Time: 14:24 Gal. Purged —

Conductance 36.79 Conductance 37.02

pH 7.12 pH 6.49

Temperature 13.02 Temperature 13.35

Redox Potential (Eh) 376 Redox Potential (Eh) 364

Turbidity 19.8 Turbidity 85.1

Time: 14:35 Gal. Purged 66 Time: 14:36 Gal. Purged 72

Conductance 36.87 Conductance 36.90

pH 6.57 pH 6.57

Temperature 13.33 Temperature 13.35

Redox Potential (Eh) 344 Redox Potential (Eh) 328

Turb 92.5 Turb 92.4

Turbidity _____

Turbidity _____

Volume of Water Parged When Groundwater was Measured 72

Pumping Rate Calculation

$$\text{Flow Rate } (Q) \text{, in gpm.} \\ S/60 = \quad = \quad 6$$

$$\text{Time to evacuate two caging volumes } (2V) \\ T = 2V/Q = \quad 12 \text{ Min}$$

Number of caging volumes evacuated (if other than TWO) _____

If well evacuated to dryness, number of gallons evacuated _____

Name of Certified Analytical Laboratory if Other Than Energy Lab _____

Type of Sample	Sample Taken (circle)	Sample Volume Indicate all other information bracketed (if any))	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="checkbox"/> N	330 ml	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	HCl <input checked="" type="checkbox"/> N
Nutrients	<input checked="" type="checkbox"/> N	100 ml	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	H ₂ SO ₄ <input checked="" type="checkbox"/> N
Heavy Metals	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	HNO ₃ <input checked="" type="checkbox"/> N
All Other Non-Radiological	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	NO PRESERVATIVE ADDED
Gross Alpha	<input checked="" type="checkbox"/> N	1000 ml	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	H ₂ SO ₄ <input checked="" type="checkbox"/> N
Other (specify)	<input checked="" type="checkbox"/> N	Sample volume _____	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> N
chloride				If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments Arrived on site at 1422 Ryan Powers & Tanner
 Hattieb Present for Pump Test. Pump began at 1434 Parged
 Well for 12 Minutes Achieved static pressure at last site at 1436

Sample: Arrived at 0451 Tanner & Ryan Present for Sampling.
 Sample was collected at 0457.
 Depth before sample 67.01.

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarter采样点

Sampler

Location (well name) TW4-24 R Name and initials Tanner H. Ryan P.

Date and Time for Purging 12.16.07 and Sampling (if different)

Well Purging Equip Used: ✓ pump or bailed Well Pump (if other than Bennet) Ground Gas

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

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 997 uMHOS/cm Well Depth NA

Depth to Water Before Purging NA Casing Volume (V) 4" Well (.653L)

Conductance (avg) — 3" Well (.367L)

Well Water Temp. (avg) — Redox Potential (Eh) — Turbidity —

Weather Cond. Mostly Sunny Exit Ambient Temp. (prior to sampling event) 45°C

Time: 10/12 Gal. Purged — Time: 10/14 Gal. Purged —

Conductance 5.2 Conductance 3.9

pH 7.38 pH 7.20

Temperature 9.18 Temperature 9.17

Redox Potential (Eh) 379 Redox Potential (Eh) 379

Turbidity 0.0 Turbidity 0.0

Time: — Gal. Purged — Time: — Gal. Purged —

Conductance — Conductance —

pH — pH —

Temperature — Temperature —

Redox Potential (Eh) — Redox Potential (Eh) —

RINSATE BEFORE TW4-24

Turbidity

Turbidity

Volume of Water Parged ~~Wellfield Pumped~~ Measured

150

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = 6

Time to evacuate two casing volumes (2V)

T = 2V/Q = 10

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab

Type of Sample	Sample Taken (Circle)	Sample Volume (Indicate all outer dimensions measured below)	Filtered (Circle)	Preservative Added (Circle)
VOCs	<input checked="" type="checkbox"/> N	3x40 ml	<input checked="" type="checkbox"/> N	HCl <input checked="" type="checkbox"/> N
Nutrients	<input checked="" type="checkbox"/> N	100 ml	<input checked="" type="checkbox"/> N	K ₂ SO ₄ <input checked="" type="checkbox"/> N
Heavy Metals	<input checked="" type="checkbox"/> N	1250 ml	<input checked="" type="checkbox"/> N	HNO ₃ <input checked="" type="checkbox"/> N
All Other None	<input checked="" type="checkbox"/> N	250 ml	<input checked="" type="checkbox"/> N	AND Preservative Added
Radioactive				
Groundwater	<input checked="" type="checkbox"/> N	1000 ml	<input checked="" type="checkbox"/> N	H ₂ SO ₄ <input checked="" type="checkbox"/> N
Other (Specify)	<input checked="" type="checkbox"/> N	Sample volume	<input checked="" type="checkbox"/> N	<input checked="" type="checkbox"/> N
chloride				If a preservative is used, Specify Type and Quantity of Preservative

Comments: Arrows at 1506. Take a few liters & rinse & reinsert.
Use the following 30 gallons Nitric Silver Mine 50 gallons
chloride from Silver Mine 50 gallons D.T. Water at end of
50 gallons D.T. We collect the sample.
Sample collected at 1615

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarze chloroform

Sampler

Location (well name) TW4 - 24 Name and initials Tanner Holliday Ryan Palmer

Date and Time for Purgung 12-16-09 and Sampling (if different) 12-17-09

Well Purging Equip Used: pump or boiler Well Pump (if other than Benmor) Ground Gas

Sampling Event chloroform Prev. Well Sampled in Sampling Event TW4-24R

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 997 $\mu\text{MHOs/cm}$ Well Depth 122

Depth to Water Before Purgung 56.38 Casing Volume (V) 4" Well: 42.84 (.653L)
56.45 3" Well: - (.367L)

Cond. (mS) 1054 Redox Potential (Eh) - Turbidity -

Well Water Temp. (avg) - Redox Potential (Eh) - Turbidity -

Weather Cond. Mostly Sunny Exit Amb. Temp. (prior to sampling event) 2°C

Time: 1640 Gal. Parged 72 Time: 1645 Gal. Parged 72

Conductance 9928 Conductance 9054

pH 6.76 pH 6.80

Temperature 14.03 Temperature 13.96

Redox Potential (Eh) 468 Redox Potential (Eh) 466

Turbidity 1.4 Turbidity 3.6

Time: 1646 Gal. Parged 78 Time: 1647 Gal. Parged 84

Conductance 9039 Conductance 9084

pH 6.86 pH 6.87

Temperature 13.99 Temperature 13.9

Redox Potential (Eh) 463 Redox Potential (Eh) 462

Turb 3 Turb .5

Turbidity _____

Turbidity _____

Volume of Water Purged When Field Parameters are Measured 84

Pumping Rate Calculation

$$\text{Flow Rate } (Q) \text{, in gpm.} = \frac{\text{Volume of Water Purged}}{\text{Time to evacuate two caging volumes (2V)}} \\ S/60 = \frac{84}{T = 2V/Q} = \frac{84}{14} \text{ min}$$

Number of caging volumes evacuated (if other than two) _____

If well evacuated to dryness, number of gallons evacuated _____

Name of Certified Analytical Laboratory if Other Than Bureau _____

Type of Sample	Sample Taken (circle)	Sample Volume Indicate in ml or ml unless specified below	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="radio"/> N	2400 ml	<input checked="" type="radio"/> Y	HCl <input checked="" type="radio"/> N
Inorganic	<input checked="" type="radio"/> N	100 ml	<input checked="" type="radio"/> N	H ₂ SO ₄ <input checked="" type="radio"/> N
Heavy Metal	<input checked="" type="radio"/> N	200 ml	<input checked="" type="radio"/> N	NO ₃ <input checked="" type="radio"/> N
All Other Radioactive	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	No Preservative Added
Gamma Alpha	<input checked="" type="radio"/> N	1000 ml	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	H ₂ SO ₄ <input checked="" type="radio"/> N
Other (Specify) <u>chloride</u>	<input checked="" type="radio"/> N	Sample volume	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N	<input checked="" type="radio"/> Y <input checked="" type="radio"/> N
				If a preservative is needed, Specify Type and Quantity of Preservative.

Comments Arrived on Site at 1630 Ryan Pipeline to Tamm
 Holiday Review for Large Event. Pump Began at 1623 Purged
 Well for 14 Minutes. Arrived at 1636 Purges & left site at 1647
 Purged 1641 Ended at 1647.

Sample: Series # 0900 Tamm's Ryan Present Env: Saplings

Sample was collected at 0906

Depth before sample 56.415

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quartermile from

Sampler

Location (well name) TW4-25 R

Name and initials Tanner H. Ryan P.

Date and Time for Puring 12.15.07 and Sampling (if different)

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

Sampling Event chloroform

Prev. Well Sampled in Sampling Event TW4-23

pH Buffer 7.0 7.0

pH Buffer 4.0 4.0

Specific Conductance 997 $\mu\text{MHOOS/cm}$

Well Depth NA

Depth to Water Before Puring NA

Casing Volume (V) 4" Well: (.653L)

3" Well: (.367L)

Conductance (mV)

Well Water Temp. (avg)

Redox Potential (Eh)

Turbidity

Weather Cond. Sunny

Bit/T Amb. Temp. (prior to sampling event)

5°

Time: 15:52 Gal. Parged

Time: 16:54 Gal. Parged

Conductance 3.0

Conductance 2.0

pH 7.33

pH 7.27

Temperature 9.20

Temperature 9.13

Redox Potential (Eh) 296

Redox Potential (Eh) 254

Turbidity 0.0

Turbidity 0.0

Time: 16:52 Gal. Parged

Time: 16:54 Gal. Parged

Conductance

Conductance

pH

pH

Temperature

Temperature

Redox Potential (Eh)

Redox Potential (Eh)

Rinsate Before TW4-25

Turbidity

Turbidity

Volume of Water Purged ~~WMAK-1000 ft³/min. at 100 ft head~~ 150

Pumping Rate Calculation

Flow Rate (Q), in gpm.

S/60 = 6

Time to evacuate two casing volumes (2V)

T=2V/Q =

Number of casing volumes evacuated (if other than two)

If well evacuated to dryness, number of gallons evacuated

Name of Certified Analytical Laboratory if Other Than Energy Lab.

Type of Sample	Sample Taken (circle)	Sample Volume (Indicate if sample volume is collected below)	Filtered (circle)	Preservative Added (circle)
VOCE	<u>Y</u> N	300 ml	<u>Y</u> <u>Y</u>	HGL <u>Y</u> N
Nutrients	<u>Y</u> N	100 ml	<u>Y</u> <u>Y</u>	H2SO4 <u>Y</u> N
Heavy Metals	Y N	250 ml	Y N	EDTA Y N
All Other Non-Radiological	Y N	250 ml	Y N	No Preservatives Added
Glass Algae	Y N	1,000 ml	Y N	H2SO4 Y N
Other (Specify)	<u>Y</u> N	Sample volume	<u>Y</u> <u>Y</u>	Y N
<u>chloride</u>				If a preservative is used, specify type and quantity of preservative:

Comments Arrived at 1443 Tared & Open Purge & Preservative
Used the following 50 gallons 10 min. Subsequently 50 gallons
was added from Sump Min. 50 gallons P.T. Water at end of
50 gallons P.T. we collected the sample
Sample collected at 1555

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarter chloroform

Location (well name) TW4-25 Sampler Tanner Holliday Ryan Palmer

Date and Time for Purgings 12.15.09 and Sampling (if different) 12.16.09

Well Purging Equip Used: ✓ pump or bafier Well Pump (if other than Benner) Ground Gas

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

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 997 uMHO/cm Well Depth 143.15

Depth to Water Before Purgings 45.67 Casting Volume (V) 4" Well 63.65 (.653L)
Sample 45.72 3" Well (.367L)

Conductance (mV) 1000 Redox Potential (Eh) 397 Turbidity 2

Well Water Temp. (avg) 13.78 Redox Potential (Eh) 397 Turbidity 2

Weather Cond. Cloudy Bar'l Amb. Temp (prior to sampling event) 14

Time: 1615 Gal. Parged 7.0 Time: 1620 Gal. Parged 11.0

Conductance 2981 Conductance 2942

pH 6.85 pH 7.14

Temperature 13.78 Temperature 13.94

Redox Potential (Eh) 397 Redox Potential (Eh) 399

Turbidity 2 Turbidity 3.4

Time: 1623 Gal. Parged 12.0 Time: 1624 Gal. Parged 12.6

Conductance 2965 Conductance 2966

pH 7.16 pH 7.25

Temperature 13.81 Temperature 13.79

Redox Potential (Eh) 398 Redox Potential (Eh) 393

Turb 3.6 Turb 3.8

Turbidity _____ Turbidity _____

Volume of Water Purged When Field Parameters are Measured 126

Pumping Rate Calculation

Flow Rate (Q), in gpm. 6 Time to evacuate two casing volumes (2V)
 $S/60 = \frac{6}{60} = 0.1 \text{ min}$

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

If well evacuated to dryness, number of gallons evacuated _____

Name of Certified Analytical Laboratory if Other Than Energy Lab _____

Type of Sample	Sample Taken (details)	Sample Volume (ml) or amount (volume specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	Y N	500 ml	Y ()	HCl Y N
Nutrients	Y N	100 ml	Y ()	MgSO ₄ Y N
Heavy Metals	Y N	250 ml	Y N	HNO ₃ Y N
All Other Radiochemicals	Y N	250 ml	Y N	No Preservative Added
Gross Alpha	Y N	1000 ml	Y N	H ₂ SO ₄ Y N
Other (specify)	Y N	Sample volume	Y ()	Y ()
chloride				If a preservative is used, specify type and quantity of preservative:

Comments Arrived at site at 1601 Ryan Parkway & Tanner Holiday Inn east Page Event. Page began at 1603. Pumped well for 21 minutes. Arrived at 1624.

Sample: Arrived at 0735 Tanner & Page. Event: Sampling
Sample was collected at 0741
Depth 45.72

ATTACHMENT 1
WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarter Chloroform

Sampler:

Location (well name) TW4-60

Name and initials Tanner Holliday, T.H.

Date and Time for Purgings 12-17-09 and Sampling (if different)

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

Sampling Event Quarterly Chloroform Prev. Well Sampled in Sampling Event

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 997 $\mu\text{Mhos}/\text{cm}$ Well Depth

Depth to Water Before Purgings Casing Volume (V) 4" Well (.653L)

Conductance (avg) 3" Well (.367L)

pH of Water (avg)

Well Water Temp. (avg) Redox Potential (Eh) Turbidity

Weather Cond. Sunny Ext'l Amb. Temp (prior to sampling event) 17°

Time: 0954 Gal. Purged Time: 0957 Gal. Purged

Conductance 18 Conductance 18

pH 7.84 pH 7.74

Temperature 10.08 Temperature 10.10

Redox Potential (Eh) 362 Redox Potential (Eh) 363

Turbidity 0 Turbidity 0

Time: Gal. Purged Time: Gal. Purged

Conductance Conductance

pH pH

Temperature Temperature

Redox Potential (Eh) Redox Potential (Eh)

D.I. Blank

Turbidity _____ Turbidity _____

Volume of Water Parged When Field Parameters are Measured _____

Pumping Rate Calculation

Flow Rate (Q), in gpm. Time to evacuate two casing volumes (2V)
 $S/60 = \frac{Q}{2V} = T = 2V/Q =$

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

If well evacuated to dryness, number of gallons evacuated _____

Name of Certified Analytical Laboratory if Other Than Energy Labs _____

Type of Sample	Sample Taken (circle)	Sample Volume (immediate or volume that was specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="radio"/> N	500 ml	<input checked="" type="radio"/> N	HCl <input checked="" type="radio"/> N
Nutrients	<input checked="" type="radio"/> N	100 ml	<input checked="" type="radio"/> N	H ₂ SO ₄ <input checked="" type="radio"/> N
Heavy Metals	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	EDTA <input checked="" type="radio"/> N
All Other	No	250 ml	<input checked="" type="radio"/> N	No Preservative Added
Radioactives				
Gross Alpha	<input checked="" type="radio"/> N	1,000 ml	<input checked="" type="radio"/> N	H ₂ SO ₄ <input checked="" type="radio"/> N
Other (specify)	<input checked="" type="radio"/> N	Sample volume _____	<input checked="" type="radio"/> N	<input checked="" type="radio"/> N
Chloride				If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments Arrived in Lab at 0950. Tanner Holliday present for
Sampling event 2 sets of parameters were // taken samples
were taken at 1000. Left lab at 1006

D.I. Blank

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarter Chloroform

Location (well name) TW4-65 Sampler Tanner Holliday, Ryan Palmer

Date and Time for Purging 12-16-09 and Sampling (if different) -

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

Sampling Event 4th Quarter Chloroform Prev. Well Sampled in Sampling Event TW4-25

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 997 $\mu\text{MHOS/cm}$ Well Depth 132.5

Depth to Water Before Purging 77.43 Casing Volume (V) 4" Well: .653h
3" Well: .367h

Conductance (avg) _____ pH of Water (avg) _____

Well Water Temp. (avg) _____ Redox Potential (Eh) _____ Turbidity _____

Weather Cond. Hazy Clouds Ext'l Amb. Temp.(prior to sampling event) -3.4

Time: _____ Gal. Purged _____ Time: _____ Gal. Purged _____

Conductance _____ Conductance _____

pH _____ pH _____

Temperature _____ Temperature _____

Redox Potential (Eh) _____ Redox Potential (Eh) _____

Turbidity _____ Turbidity _____

Time: _____ Gal. Purged _____ Time: _____ Gal. Purged _____

Conductance _____ Conductance _____

pH _____ pH _____

Temperature _____ Temperature _____

Redox Potential (Eh) _____ Redox Potential (Eh) _____

Duplicate of TW4-17

Mill - Groundwater Discharge Permit Date: 11.17.06 Revision: I
Groundwater Monitoring
Quality Assurance Plan (QAP)

Page 41 of 41

Turbidity _____

Turbidity _____

Volume of Water Purged ~~Water was purged to measured~~ _____ 71.82

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 $S/60 = \frac{V}{T} = \frac{71.82}{1.2} = 217$

Time to evacuate two casing volumes (2V)
 $T = 2V/Q = 2(250) / 217 = 331 \text{ Min.}$

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

If well evacuated to dryness, number of gallons evacuated _____

Name of Certified Analytical Laboratory if Other Than Energy Lab: _____

Type of Sample	Sample Taken (Circle)	Sample Volume (Indicate if other than as specified below)	Filtered (Circle)	Preservative Added (Circle)
VOCs	<input checked="" type="radio"/> N	3x40 ml	<input checked="" type="radio"/> N	HCl <input checked="" type="radio"/> N
Nutrients	<input checked="" type="radio"/> N	100 ml	<input checked="" type="radio"/> N	H ₂ SO ₄ <input checked="" type="radio"/> N
Heavy Metals	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	HNO ₃ <input checked="" type="radio"/> N
All Other Non-Radiologics	<input checked="" type="radio"/> N	250 ml	<input checked="" type="radio"/> N	No Preservative Added
Gross Alpha	<input checked="" type="radio"/> N	1,000 ml	<input checked="" type="radio"/> N	H ₂ SO ₄ <input checked="" type="radio"/> N
Other (specify)	<input checked="" type="radio"/> N	Sample volume _____	<input checked="" type="radio"/> N	<input checked="" type="radio"/> N
Chloride				If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments _____

Duplicate of RW4-17

ATTACHMENT 1

WHITE MESA URANIUM MILL

FIELD DATA WORKSHEET FOR GROUND WATER

Description of Sampling Event: 4th Quarter Chloroform

Location (well name) TW4-70 Sampler Tanner Holliday, Ryan Palmer

Date and Time for Purging 12-28-09 and Sampling (if different) 12-29-09

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

Sampling Event 4th Quarter Chloroform Prev. Well Sampled in Sampling Event TW4-2R

pH Buffer 7.0 7.0 pH Buffer 4.0 4.0

Specific Conductance 997 $\mu\text{MHOS}/\text{cm}$ Well Depth 121.13

Depth to Water Before Purging 68.39 Casing Volume (V) 4" Well: 34.43 (.653h)

Conductance (avg) — 3" Well: — (.367h)

pH of Water (avg) —

Well Water Temp. (avg) — Redox Potential (Eh) — Turbidity —

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

Time: — Gal. Purged — Time: — Gal. Purged —

Conductance — Conductance —

pH — pH —

Temperature — Temperature —

Redox Potential (Eh) — Redox Potential (Eh) —

Turbidity — Turbidity —

Time: — Gal. Purged — Time: — Gal. Purged —

Conductance — Conductance —

pH — pH —

Temperature — Temperature —

Redox Potential (Eh) — Redox Potential (Eh) —

Duplicate of TW4-2

Turbidity _____ Turbidity _____

Volume of Water Purged When Field Parameters are Measured 66

Pumping Rate Calculation

Flow Rate (Q), in gpm.
 $S/60 = \frac{6}{60} = 0.1$ Time to evacuate two casing volumes (2V)
 $T = 2V/Q = 2(66)/0.1 = 1320$

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

If well evacuated to dryness, number of gallons evacuated _____

Name of Certified Analytical Laboratory if Other Than Energy Labs _____

Type of Sample	Sample Taken (circle)	Sample Volume (Indicate if other than as specified below)	Filtered (circle)	Preservative Added (circle)
VOCs	<input checked="" type="radio"/> Y <input type="radio"/> N	3x40 ml	<input checked="" type="radio"/> Y <input type="radio"/> N	HCl <input checked="" type="radio"/> Y <input type="radio"/> N
Nutrients	<input checked="" type="radio"/> Y <input type="radio"/> N	100 ml	<input checked="" type="radio"/> Y <input type="radio"/> N	H ₂ SO ₄ <input checked="" type="radio"/> Y <input type="radio"/> N
Heavy Metals	<input checked="" type="radio"/> Y <input type="radio"/> N	250 ml	<input checked="" type="radio"/> Y <input type="radio"/> N	HNO ₃ <input checked="" type="radio"/> Y <input type="radio"/> N
All Other Non-Radiologics	<input checked="" type="radio"/> Y <input type="radio"/> N	250 ml	<input checked="" type="radio"/> Y <input type="radio"/> N	No Preservative Added
Gross Alpha	<input checked="" type="radio"/> Y <input type="radio"/> N	1,000 ml	<input checked="" type="radio"/> Y <input type="radio"/> N	H ₂ SO ₄ <input checked="" type="radio"/> Y <input type="radio"/> N
Other (specify)	<input checked="" type="radio"/> Y <input type="radio"/> N	Sample volume <u>Chloride</u> _____	<input checked="" type="radio"/> Y <input type="radio"/> N	<input checked="" type="radio"/> Y <input type="radio"/> N
				If a preservative is used, Specify Type and Quantity of Preservative: _____

Comments _____

Duplicate of W.H.D.

Tab C

Depth to Water Sheets

Depth to Water

Date 10-5-09 mmHg 615.696

<u>Time</u>	<u>Well</u>	<u>Depth</u>	<u>Comments</u>
1408	MW-4	71.71	Flow 4.1 GPM Meter 0372610
1415	TW4-15	78.79	Flow 5.7 GPM Meter 0173170
1352	TW4-19	64.98	Flow 7.9 GPM Meter 0243630
1402	TW4-20	68.81	Flow 2.9 GPM Meter 0783660
	Water:	259066	

Depth to Water

Date 10/12/09 mmHg 618.774

<u>Time</u>	<u>Well</u>	<u>Depth</u>	<u>Comments</u>
1225	MW-4	71.47	Flow Not running at this time. Meter 379470
1230	TW4-15	74.53	Flow Not running at this time. Meter 177660
1215	TW4-19	64.57	Flow Not running at this time. Meter 276310
12-7-2	TW4-20	80.59	Flow Not running at this time. Meter 787960
	Water:	263928	

Depth to Water

Date 10.20.09 mmHg 617.22

<u>Time</u>	<u>Well</u>	<u>Depth</u>	<u>Comments</u>
1414	MW-4	71.64	Flow 4.6 GPM Meter 387460
1410	TW4-15	78.85	Flow 6.2 GPM Meter 183070
1439	TW4-19	60.82	Flow 8.2 Gpm Meter 276310
1405	TW4-20	67.04	Flow 3.1 GPM Meter 793300
	Water:	270351	

Depth to Water

Date 10.26.09 mmHg 623.316

<u>Time</u>	<u>Well</u>	<u>Depth</u>	<u>Comments</u>
1409	MW-4	71.85"	Flow 4.3 GPM Meter 393420
1405	TW4-15	77.24"	Flow 6.1 GPM Meter 187100
1428	TW4-19	61.87	Flow 8.0 GPM Meter 295140
1416	TW4-20	67.02"	Flow 3.5 GPM Meter 797370
	Water:	280483	

Chloroform Wells

Date 10/30/2009 mmHg 619.506

<u>Time</u>	<u>Well</u>	<u>Depth</u>	<u>Comments</u>
0822	MW-4	71.91	
0824	TW4-1	61.83	
0817	TW4-2	68.41	
0815	TW4-3	48.9	
0828	TW4-4	63.65	
0812	TW4-5	55.44	
0829	TW4-6	71.47	
0821	TW4-7	68.17	
0826	TW4-8	67.98	
0814	TW4-9	53.9	
0811	TW4-10	56.08	
0819	TW4-11	58.93	
0834	TW4-12	38.45	
0835	TW4-13	48.89	
0837	TW4-14	89.18	
0848	TW4-15	81.23	
0846	TW4-16	65.47	
0844	TW4-17	77.04	
0853	TW4-18	56.53	
0900	TW4-19	83.32	
0808	TW4-20	67.74	
0855	TW4-21	58.03	
0805	TW4-22	55.42	
0841	TW4-23	66.84	
0803	TW4-24	56.22	
0850	TW4-25	45.64	

Depth to Water

Date 11.3.2009 mmHg 627.126

<u>Time</u>	<u>Well</u>	<u>Depth</u>	<u>Comments</u>
1203	MW-4	86.09	Flow 4.1 GPM Meter 401271) Was pumping when I Arrived
1158	TW4-15	86.98 Bottom flung 1	Flow 2.2 GPM Meter 132400
1215	TW4-19	63.32	Flow 7.7 GPM Meter 334940 TURNED pump on
1206	TW4-20	69.49	Flow 3.1 GPM Meter 802620
11.2.19	Water:	290435	

2.6
253955

Depth to Water

Date 11.9.2009 mmHg 624.84

Depth to Water

Date 11-16-2009 mmHg 626.364

<u>Time</u>	<u>Well</u>	<u>Depth</u>	<u>Comments</u>
1359	MW-4	71.24	Flow 3.9 GPM Meter 413300
1402	TW4-15	75.01	Flow 5.2 GPM Meter 200700
1414	TW4-19	63.59	Flow 7.8 GPM Meter 393840
1409	TW4-20	99.51	Flow 2.6 GPM Meter 810560
	Water:	300201	

Depth to Water

Date 11-23-09 mmHg 622.554

<u>Time</u>	<u>Well</u>	<u>Depth</u>	<u>Comments</u>
1410	MW-4	69.94	Flow Meter is Broken will Replace ASAP Meter 0420130
1405	TW4-15	74.73	Flow 5.8 GPM Meter 0205410
1336	TW4-19	64.53	Flow 7 GPM Meter 0430530
1352	TW4-20	89.64	Flow 25 GPM Meter 0815160
	Water:	302678	

Chloroform Wells

Date 11.30.2009 mmHg 624.07

<u>Time</u>	<u>Well</u>	<u>Depth</u>	<u>Comments</u>
<u>1231</u>	MW-4	<u>72.43</u>	
<u>1336</u>	TW4-1	<u>61.82</u>	
<u>1333</u>	TW4-2	<u>68.07</u>	
<u>1330</u>	TW4-3	<u>49</u>	
<u>1338</u>	TW4-4	<u>63.52</u>	
<u>1325</u>	TW4-5	<u>55.65</u>	
<u>1339</u>	TW4-6	<u>71.46</u>	
<u>1335</u>	TW4-7	<u>67.71</u>	
<u>1332</u>	TW4-8	<u>67.8</u>	
<u>1329</u>	TW4-9	<u>54.18</u>	
<u>1327</u>	TW4-10	<u>56.24</u>	
<u>1334</u>	TW4-11	<u>58.98</u>	
<u>1342</u>	TW4-12	<u>38.41</u>	
<u>1343</u>	TW4-13	<u>48.85</u>	
<u>1345</u>	TW4-14	<u>49.16</u>	
<u>1226</u>	TW4-15	<u>83.95</u>	
<u>1401</u>	TW4-16	<u>65.23</u>	
<u>1359</u>	TW4-17	<u>77.13</u>	
<u>1318</u>	TW4-18	<u>56.86</u>	
<u>1100</u>	TW4-19	<u>71.75</u>	
<u>1220</u>	TW4-20	<u>69.91</u>	
<u>1317</u>	TW4-21	<u>59.37</u>	
<u>1325</u>	TW4-22	<u>55.45</u>	
<u>1351</u>	TW4-23	<u>66.79</u>	
<u>1324</u>	TW4-24	<u>56.27</u>	
<u>1307</u>	TW4-25	<u>45.5</u>	

Depth to Water

Date 11-30-09 mmHg 623.316

<u>Time</u>	<u>Well</u>	<u>Depth</u>	<u>Comments</u>
1231	MW-4	72.43	Flow 4 GPM Meter 0700 6700
1226	TW4-15	83.95	Flow 5.6 GPM Meter 210070 Snagged at this Depth
1100	TW4-19	71.75	Flow 6.5 GPM Meter 487620
1220	TW4-20	69.91	Flow 2.5 GPM Meter 819360
	Water:	307721	

Depth to Water

Date 12-7-09 mmHg 612.902

<u>Time</u>	<u>Well</u>	<u>Depth</u>	<u>Comments</u>
1415	MW-4	70.49	Flow 4 GPM Meter 039 1380
1409	TW4-15	74.95	Flow 5.9 GPM Meter 214700
1005	TW4-19	65.06	Flow 6.4 GPM Meter 0516860
1402	TW4-20	97.89	Flow 2.3 GPM Meter 823620
	Water:	310815	

Depth to Water

Date 12-14-2009 mmHg 621.03

<u>Time</u>	<u>Well</u>	<u>Depth</u>	<u>Comments</u>
1340	MW-4	71.33	Flow 3.9 GPM Meter <u>205</u> 2050 2050
1408	TW4-15	75.36	Flow 4.5 GPM Meter <u>218900</u>
1535	TW4-19	65.50	Flow 8.1 GPM Meter <u>.5544200</u>
1310	TW4-20	68.54	Flow 2.4 GPM Meter <u>827690</u>
	Water:	314472	

Depth to Water

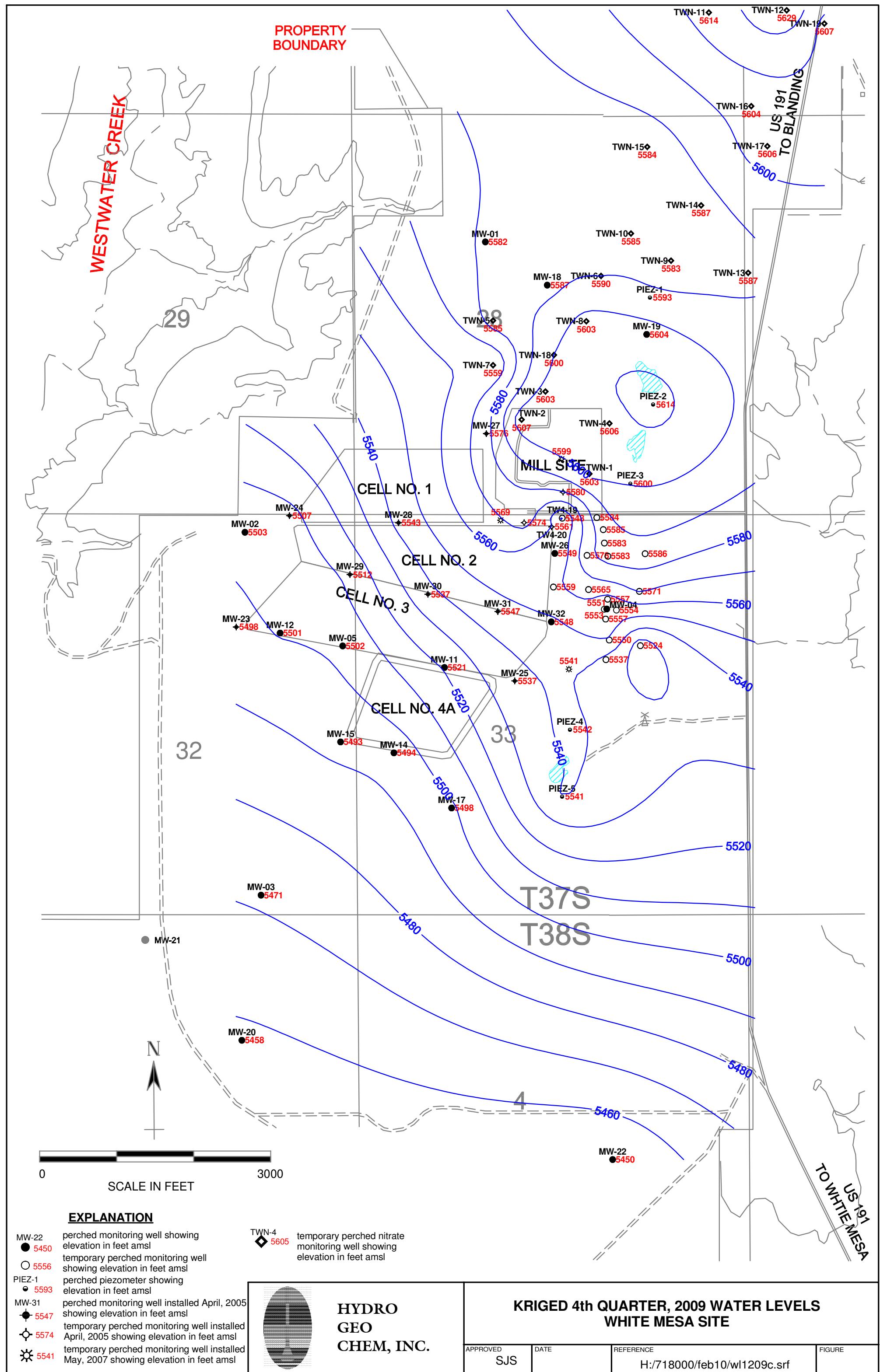
Date 12-22-09 mmHg 614.434

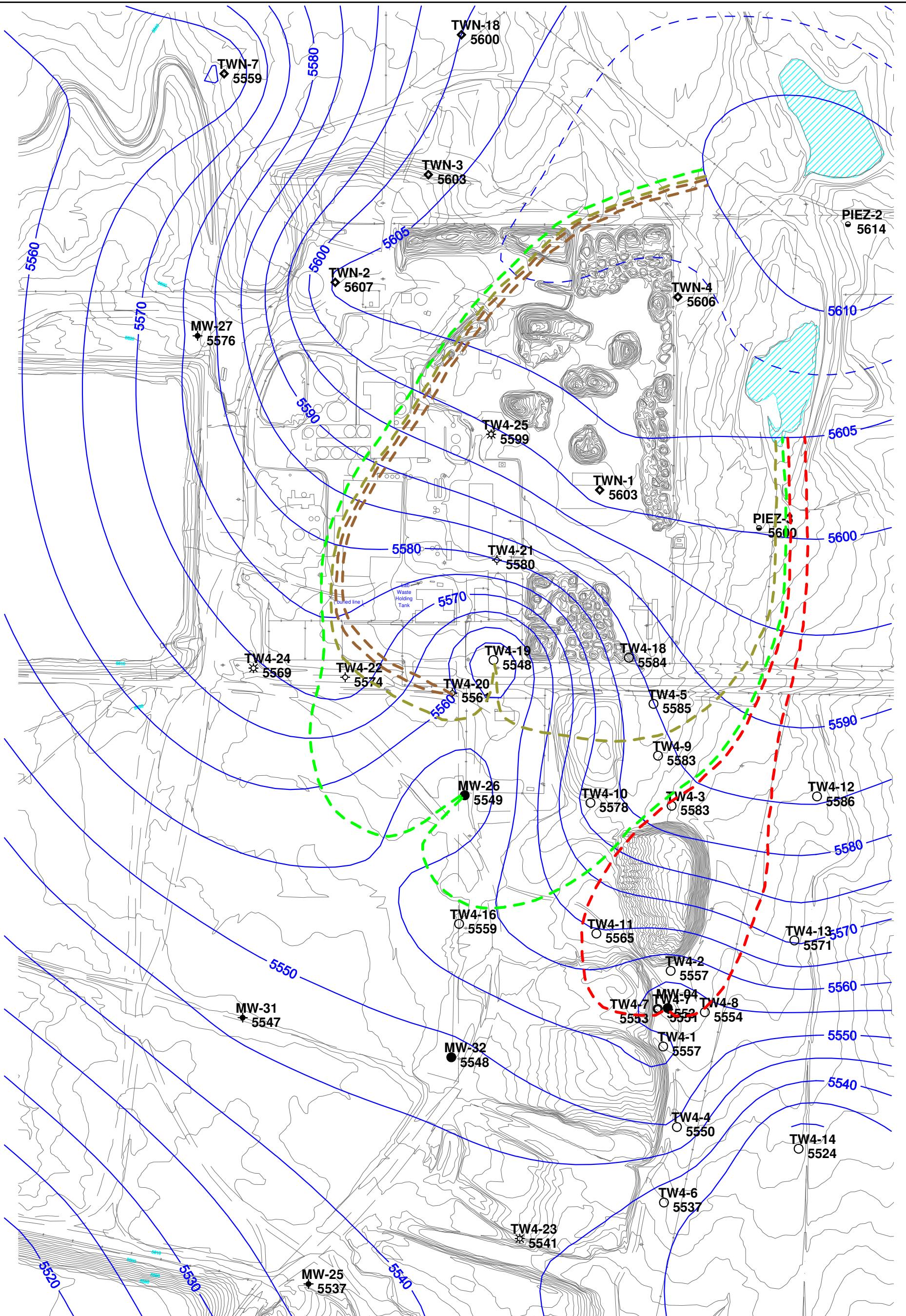
<u>Time</u>	<u>Well</u>	<u>Depth</u>	<u>Comments</u>
0924	MW-4	72.51	Flow 4.4 GPM Meter 2820
0919	TW4-15	88.8	Flow 5.6 GPM Meter 224160 snagged at this depth
0945	TW4-19	63.15	Flow 6.8 GPM Meter 581250
0929	TW4-20	68.04	Flow 2.8 GPM Meter 832280
	Water:	318083	

Depth to Water

Date 12-29-09 mmHg 620.268

<u>Time</u>	<u>Well</u>	<u>Depth</u>	<u>Comments</u>
1353	MW-4	71.39	Flow 4 GPM Meter 3530
1345	TW4-15	76.2	Flow 5.8 GPM Meter 0228950
1311	TW4-19	69.84	Flow 6.2 GPM Meter 635590
1339	TW4-20	68.16	Flow 24 GPM Meter 836330
	Water:	322285	

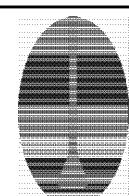




EXPLANATION

- (○) TW4-4
5550 temporary perched monitoring well showing elevation in feet amsl
- (●) MW-32
5548 perched monitoring well showing elevation in feet amsl
- (---) estimated capture zone boundary stream tubes resulting from pumping

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

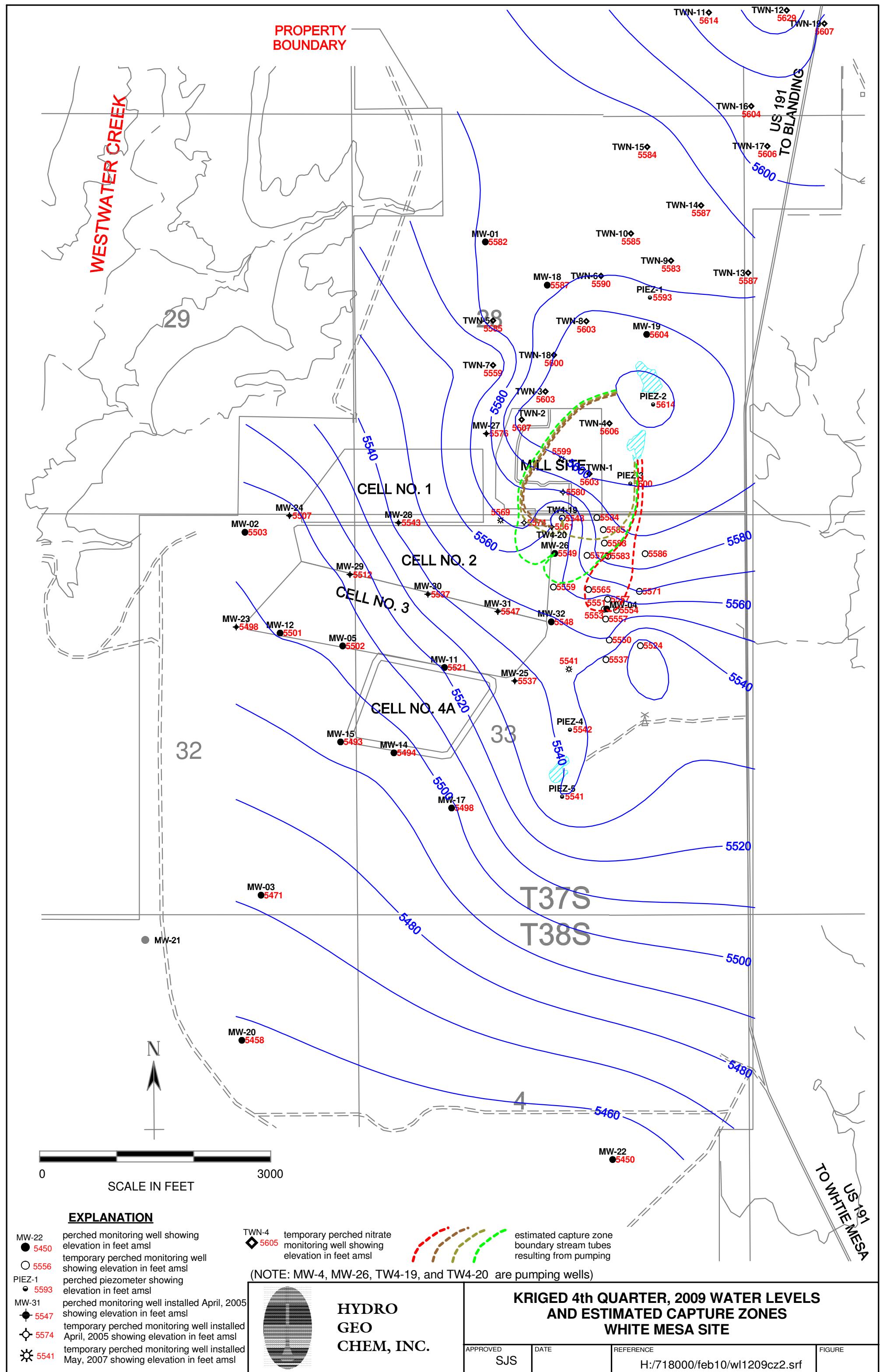


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CHEM, INC.**

**KRIGED 4th QUARTER, 2009 WATER LEVELS
AND ESTIMATED CAPTURE ZONES
WHITE MESA SITE
(detail map)**

APPROVED	DATE	REFERENCE	FIGURE
SJS		H:/718000/feb10/wl1209cz.srf	

0 150 300
SCALE IN FEET



**PROPERTY
BOUNDARY**

WESTWATER CREEK

**US 191
TO BLANDING**

**US 191
TO WHITE MESA**

29

28

32

33

CELL NO. 1

CELL NO. 2

CELL NO. 3

CELL NO. 4A

MILL SITE

T37S

T38S

5500

5480

5500

5500

5520

5480

5460

MW-21



0 3000
SCALE IN FEET

EXPLANATION

MW-22 perched monitoring well showing elevation in feet amsl

○ 5556 temporary perched monitoring well showing elevation in feet amsl

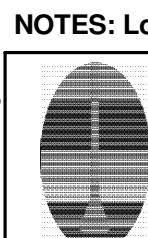
PIEZ-1 perched piezometer showing elevation in feet amsl

MW-31 perched monitoring well installed April, 2005 showing elevation in feet amsl

● 5546 temporary perched monitoring well installed April, 2005 showing elevation in feet amsl

○ 5573 temporary perched monitoring well installed May, 2007 showing approximate elevation in feet amsl

● 5541 temporary perched monitoring well installed May, 2007 showing approximate elevation in feet amsl



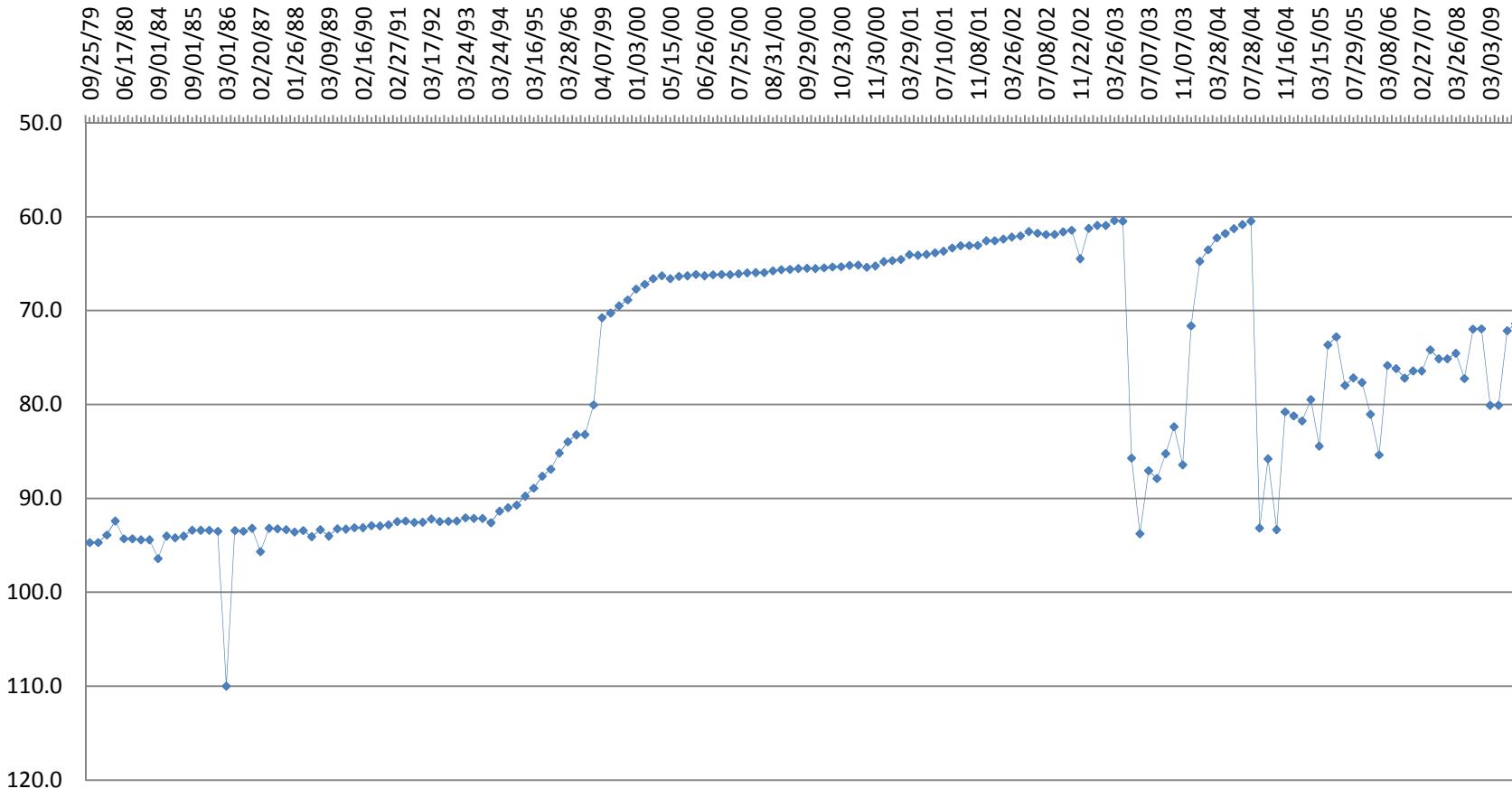
**HYDRO
GEO
CHEM, INC.**

NOTES: Locations and elevations for TW4-23, TW4-24, and TW4-25 are approximate

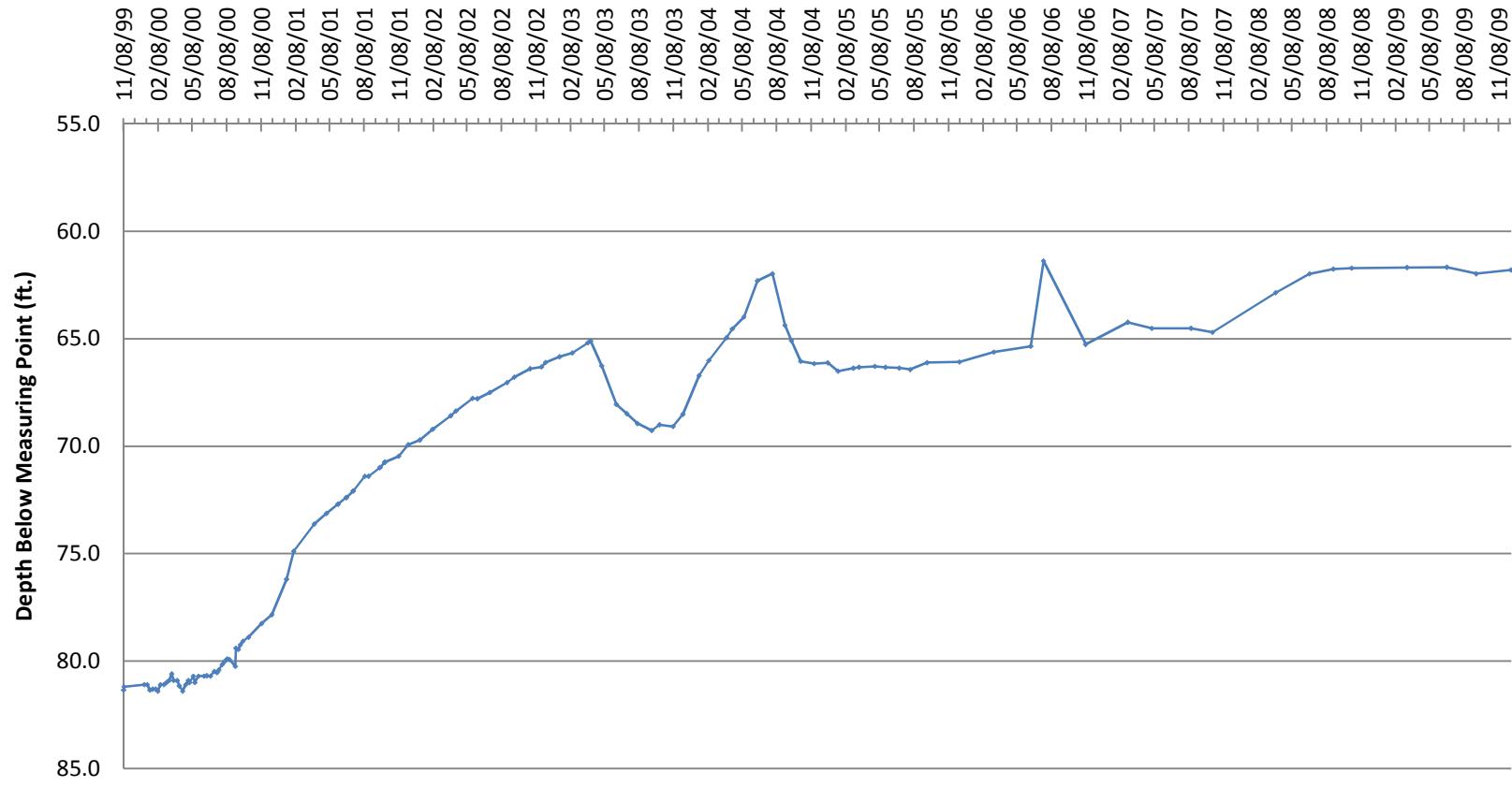
**KRIGED 3rd QUARTER, 2009 WATER LEVELS
WHITE MESA SITE**

APPROVED	DATE	REFERENCE	FIGURE
SJS		H:/718000/nov09/wl0909.srf	

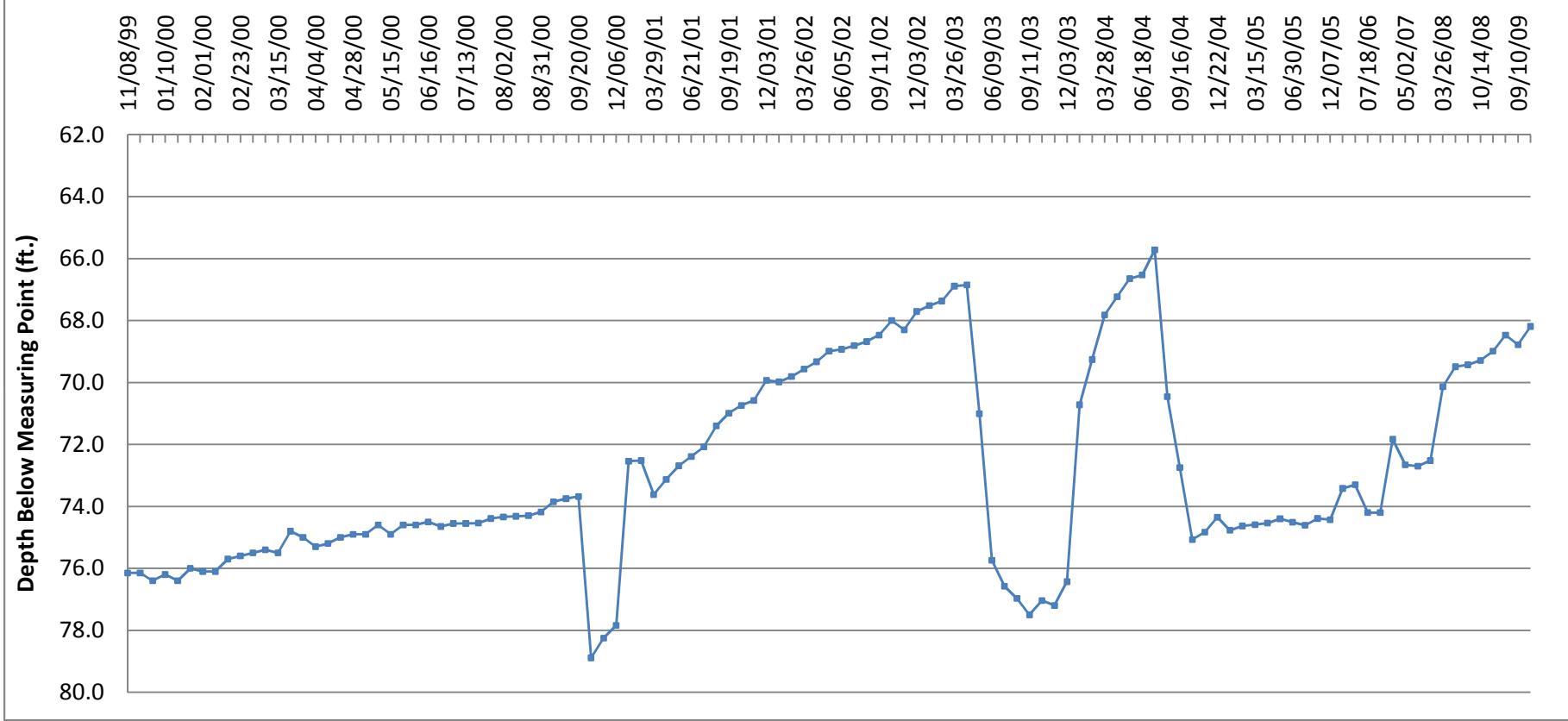
MW-4 Water Depth Over Time (ft bImp)



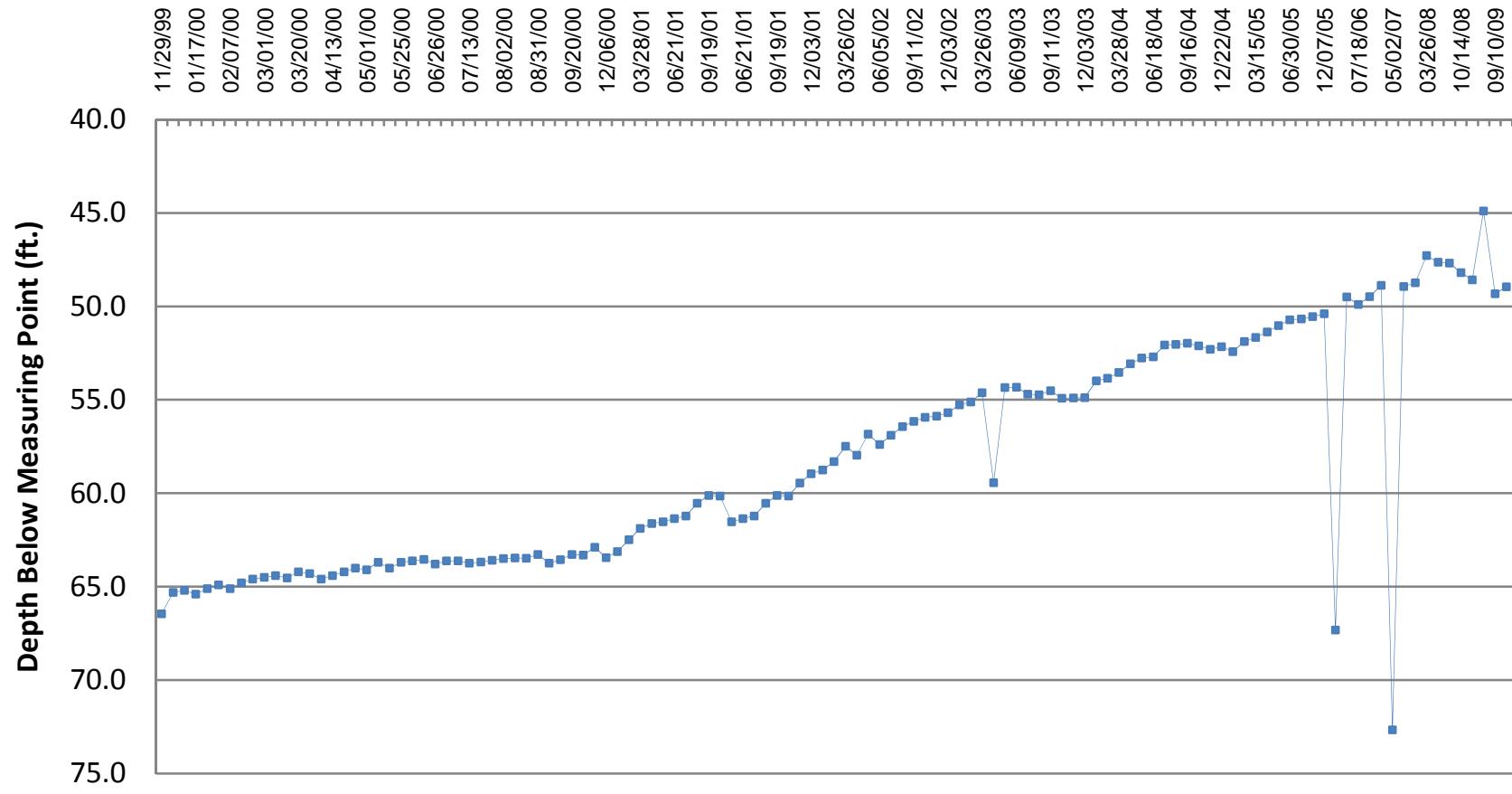
TW4-1 Water Depth Over Time (ft. bImp)



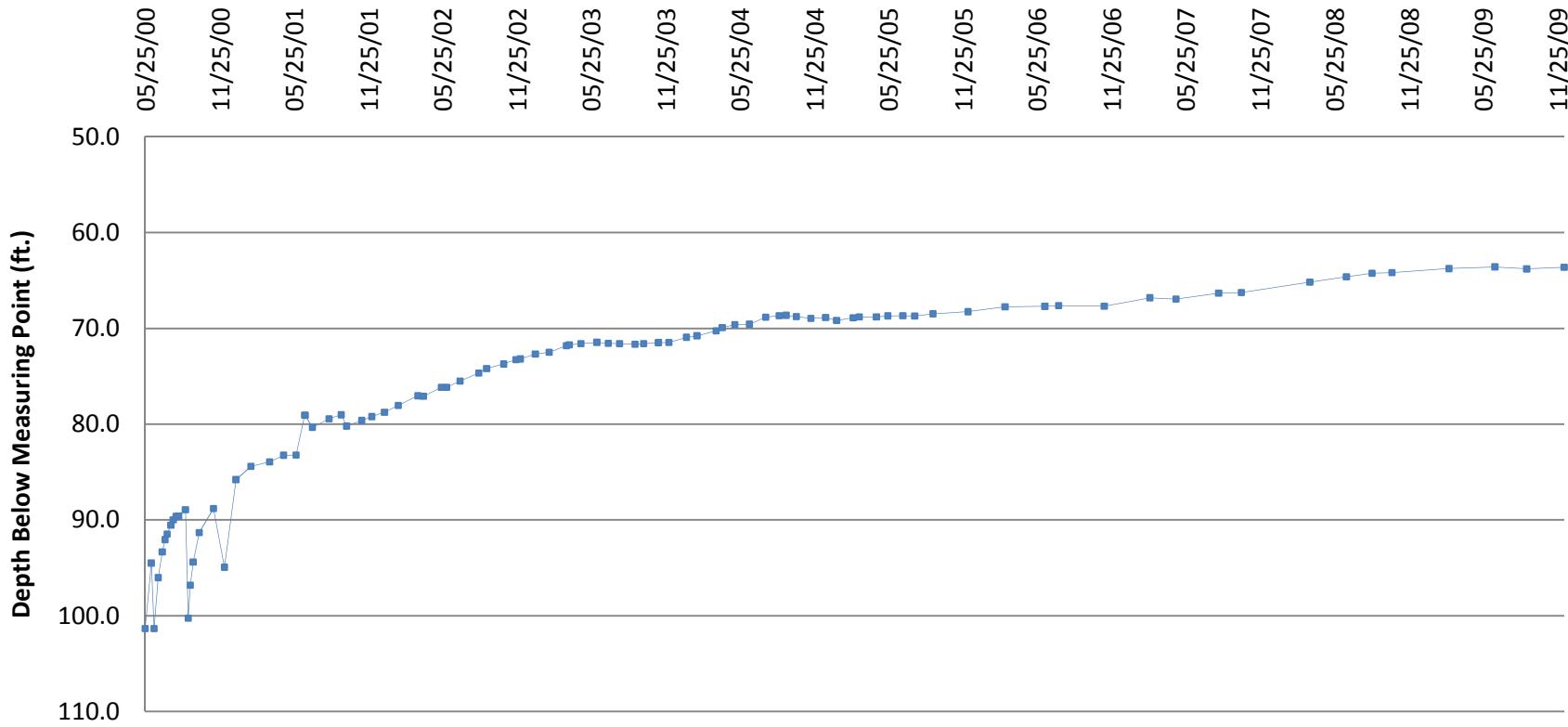
TW4-2 Water Depth Over Time (ft. blmp)



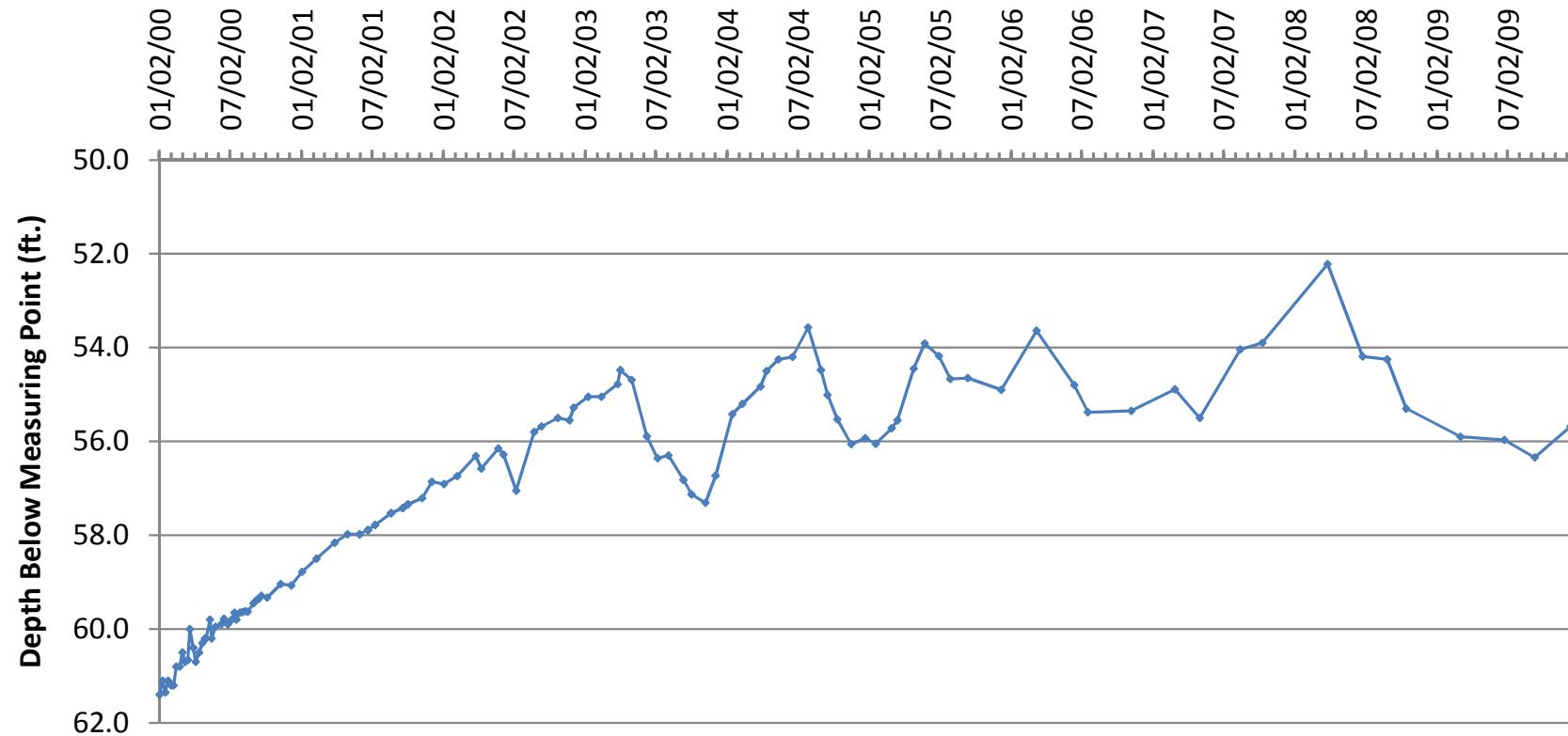
TW4-3 Water Depth Over Time (ft. blmp)



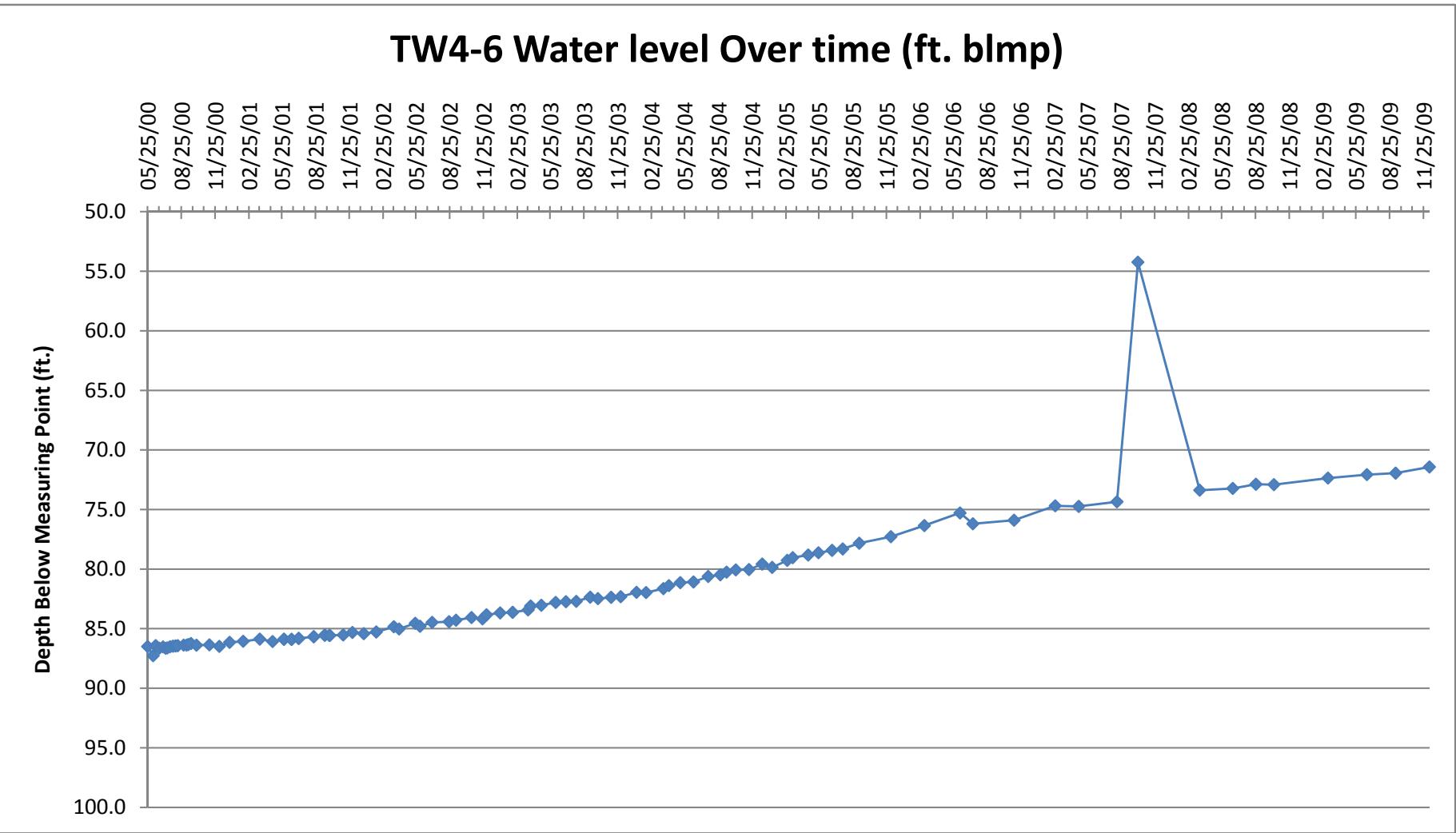
TW4-4 Water Depth Over Time (ft. bImp)



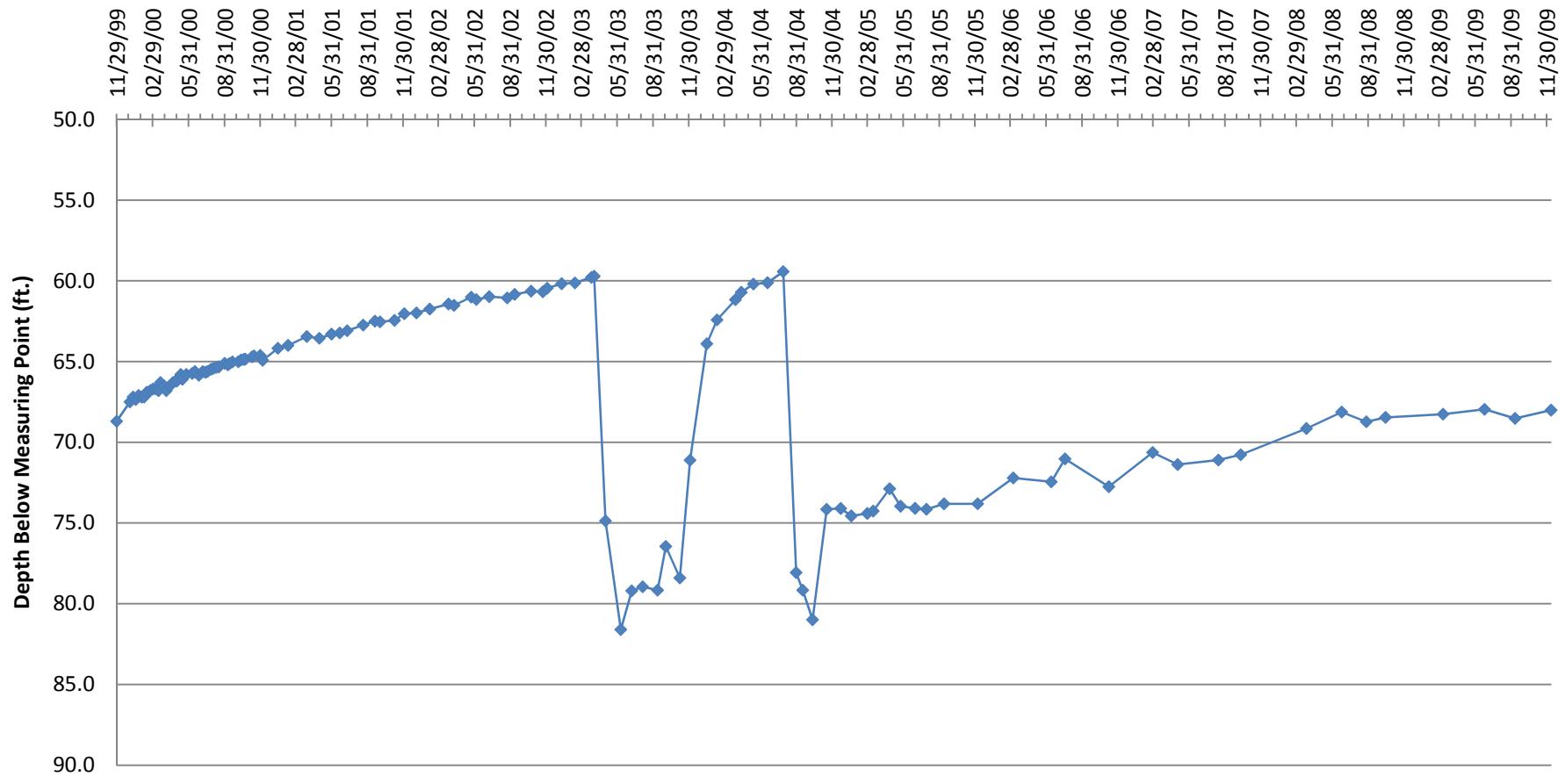
TW4-5 Water Depth Over time (ft. blmp)



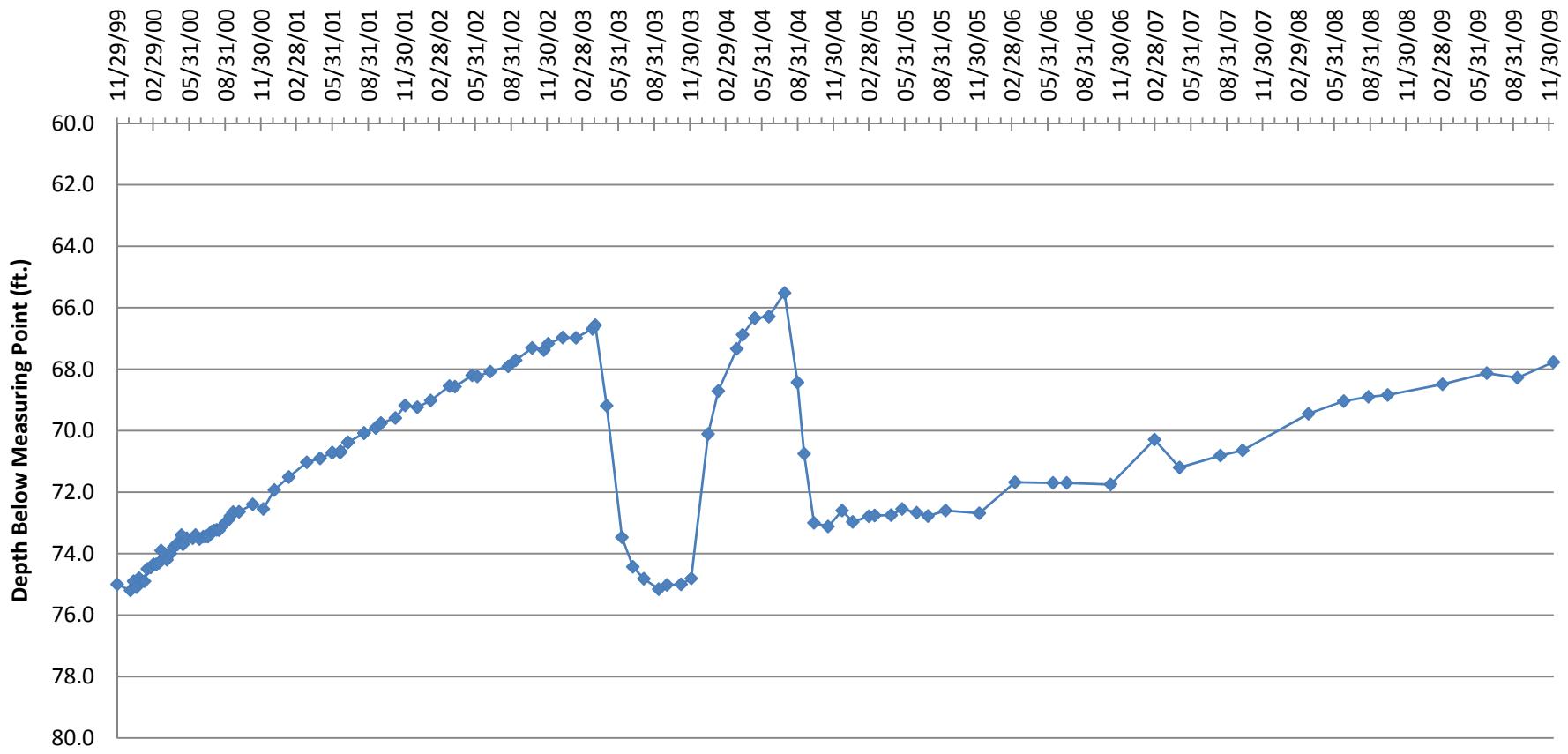
TW4-6 Water level Over time (ft. blmp)



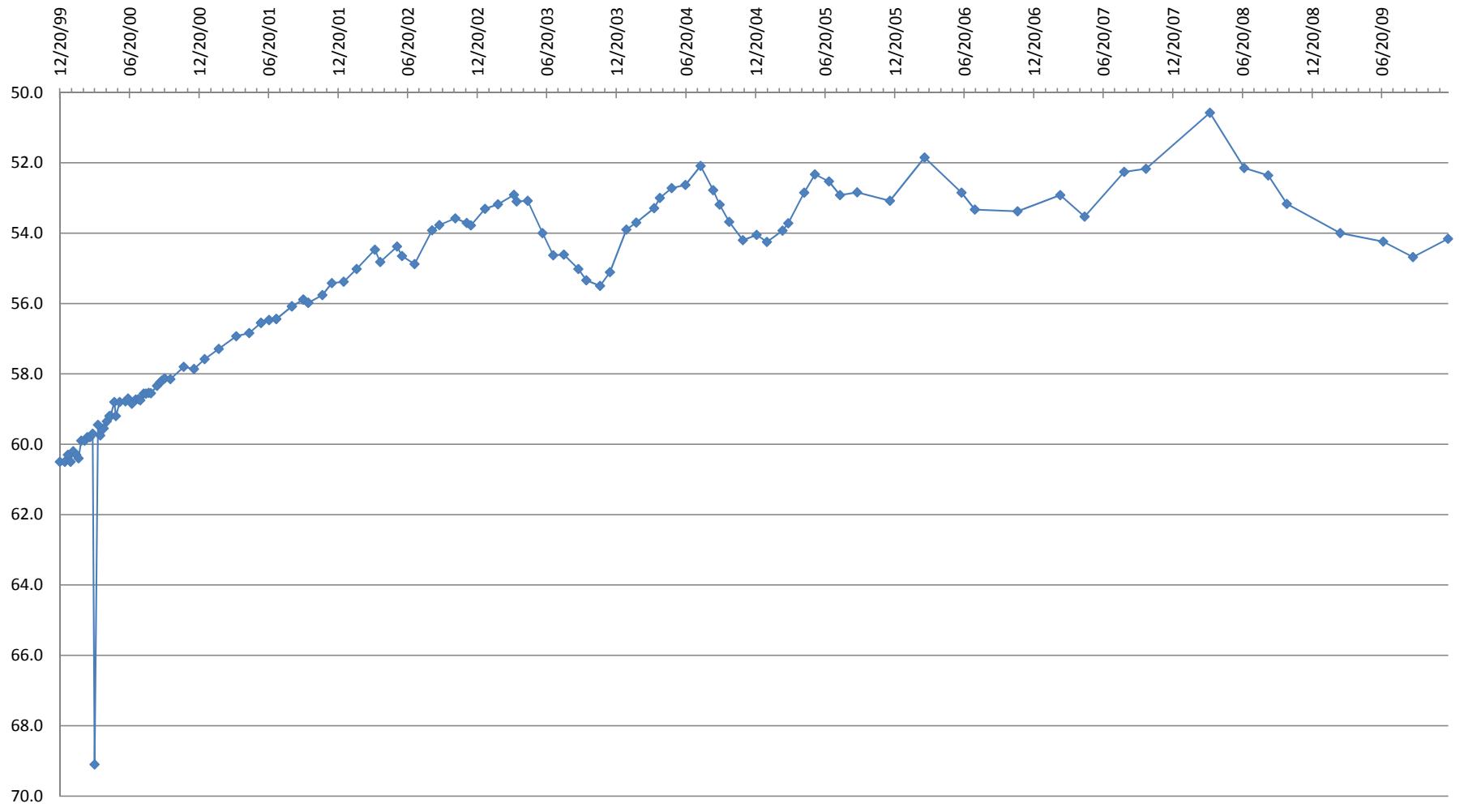
TW4-7 Water Level Over time (ft. blmp)



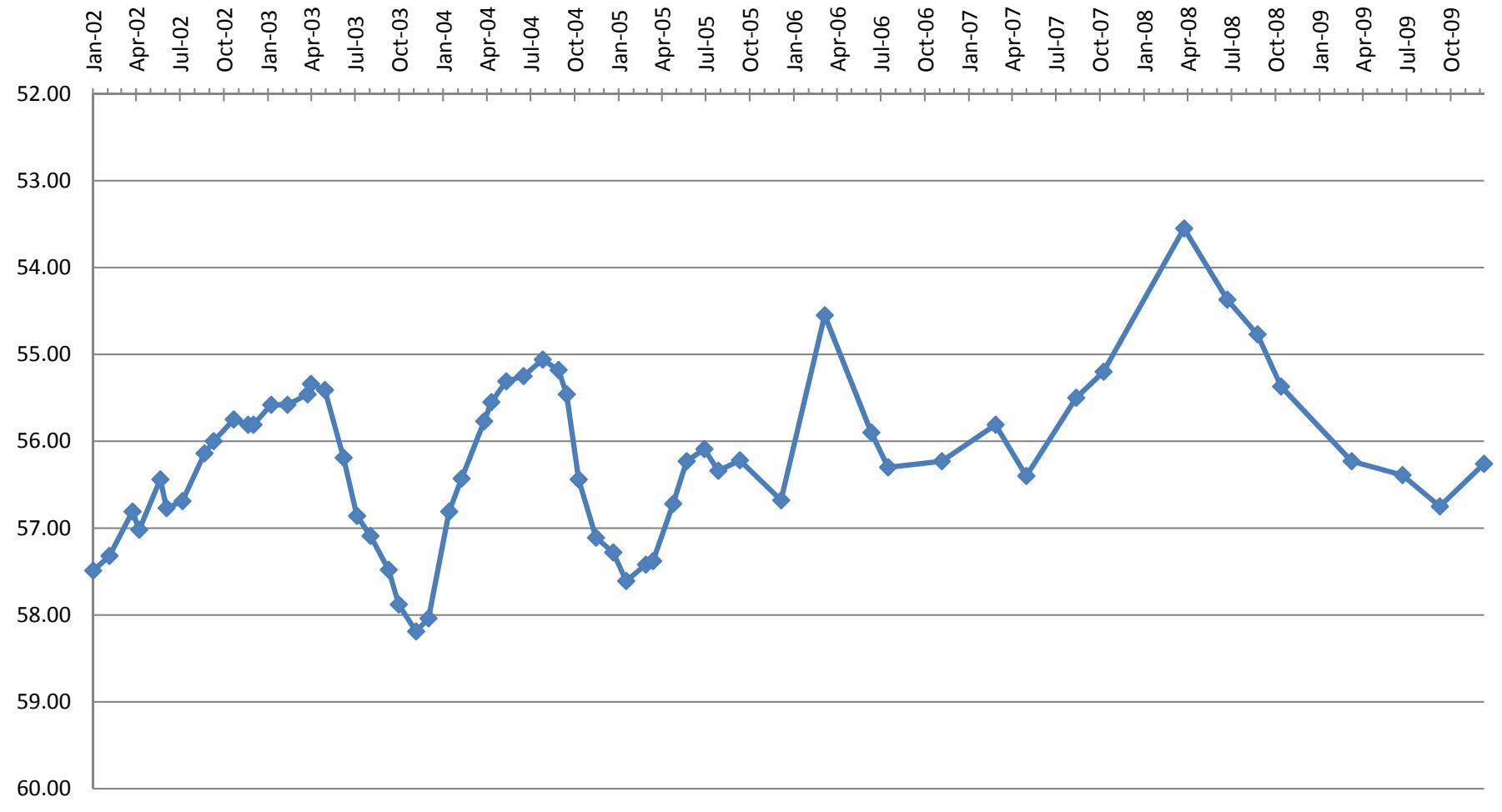
TW4-8 Water Level Over Time (ft blmp)



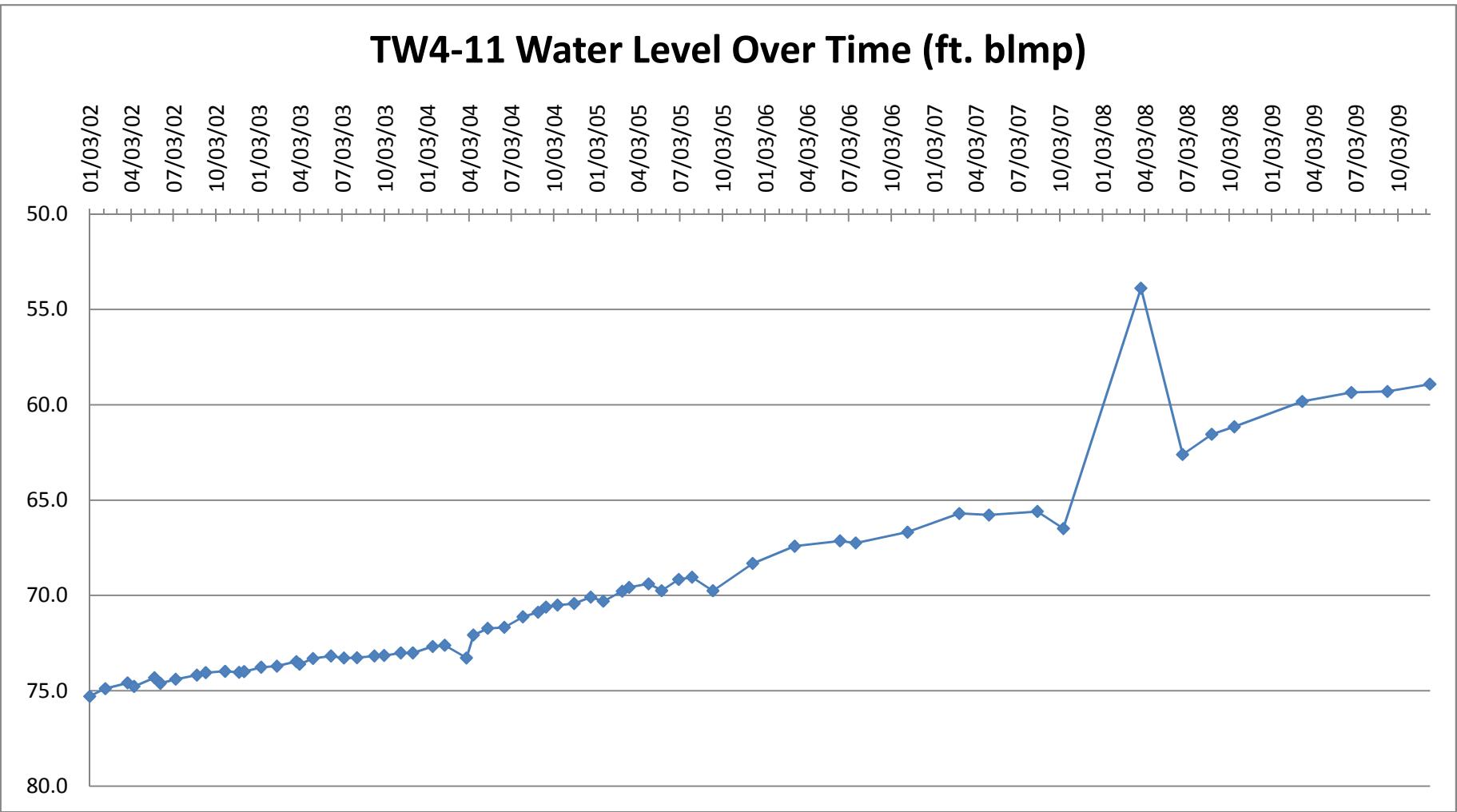
TW4-9 Water Level Over Time (ft. blmp)



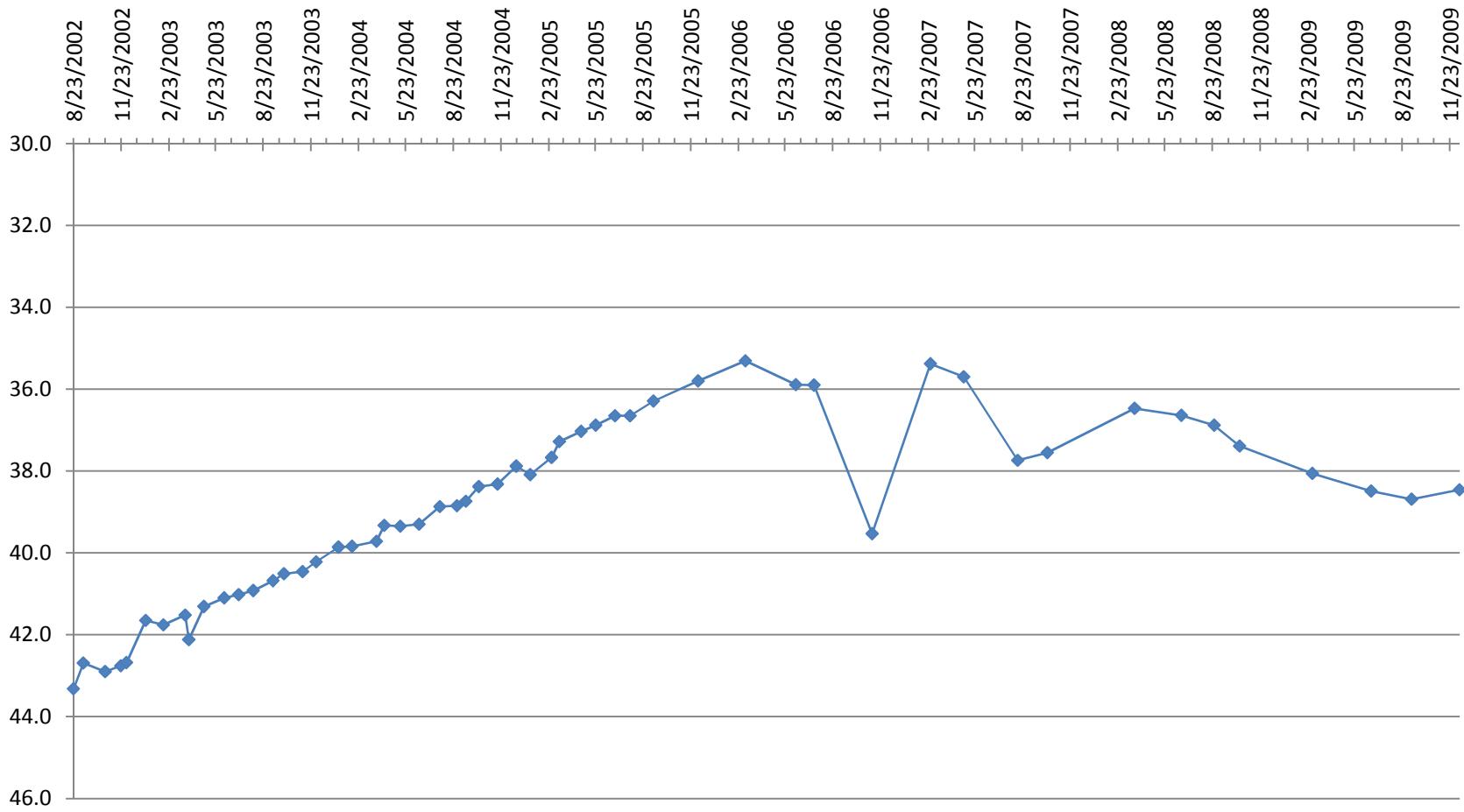
TW4-10 Water Level Over Time (ft. blmp)



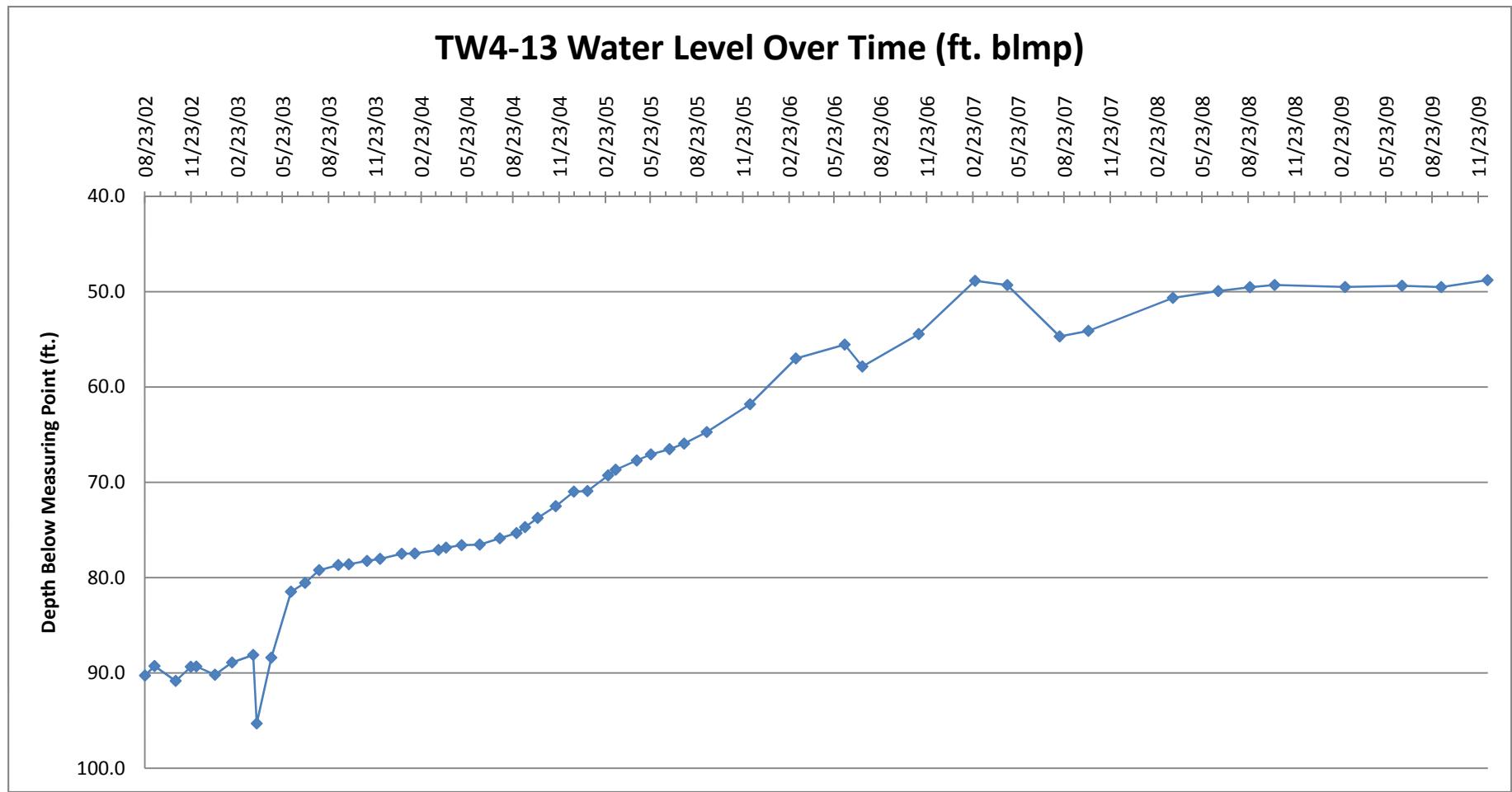
TW4-11 Water Level Over Time (ft. blmp)



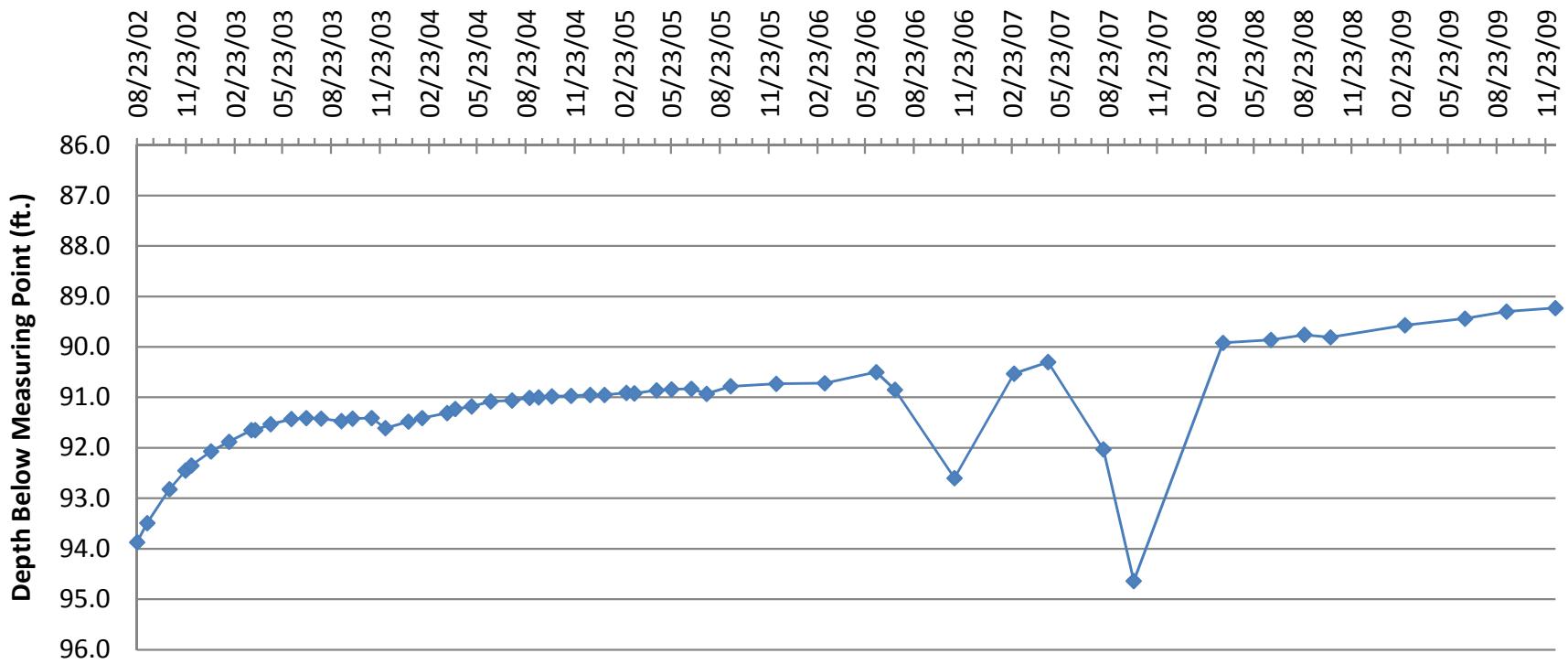
TW4-12 Water Level Over Time (ft. bImp)



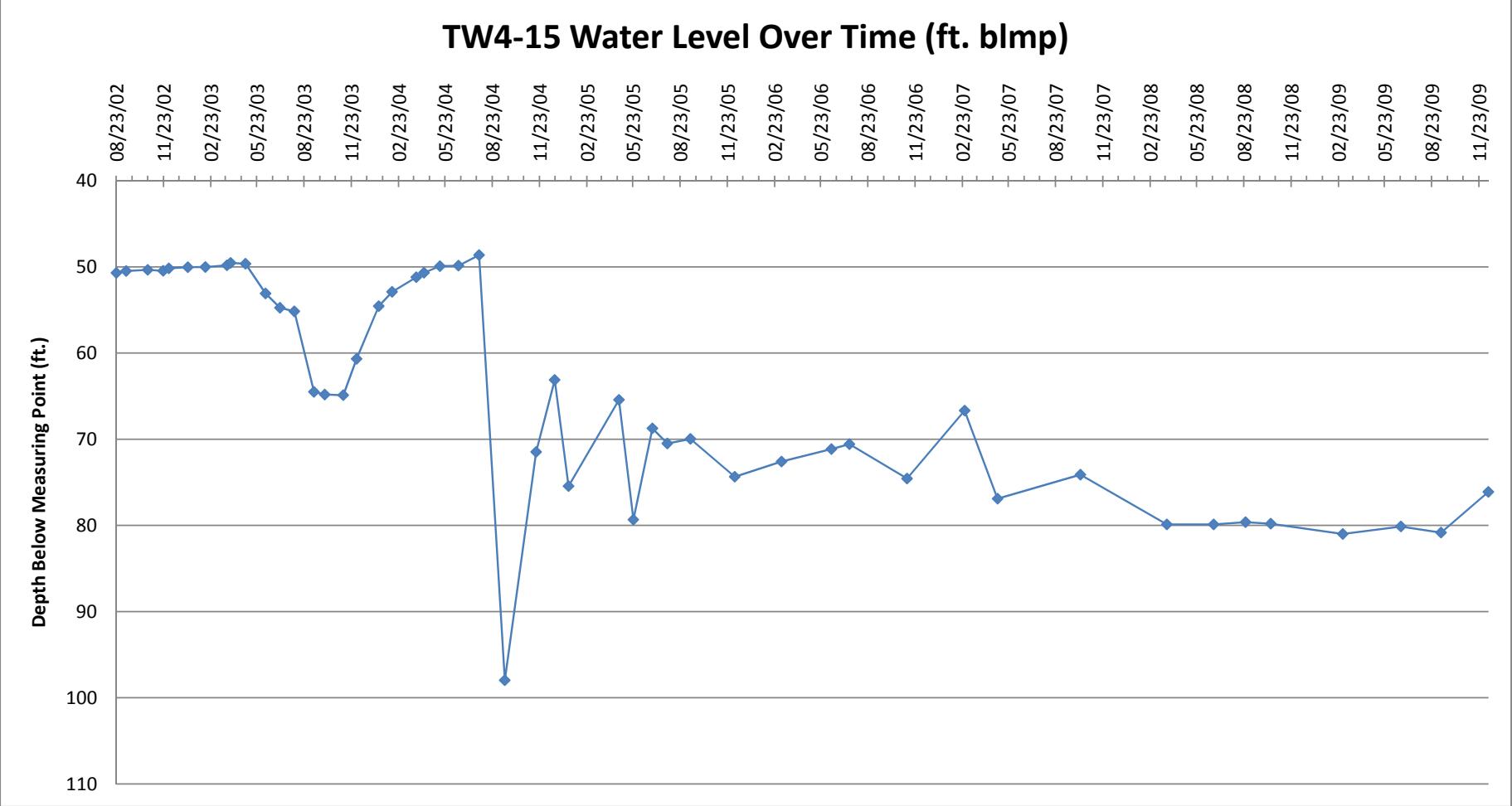
TW4-13 Water Level Over Time (ft. blmp)



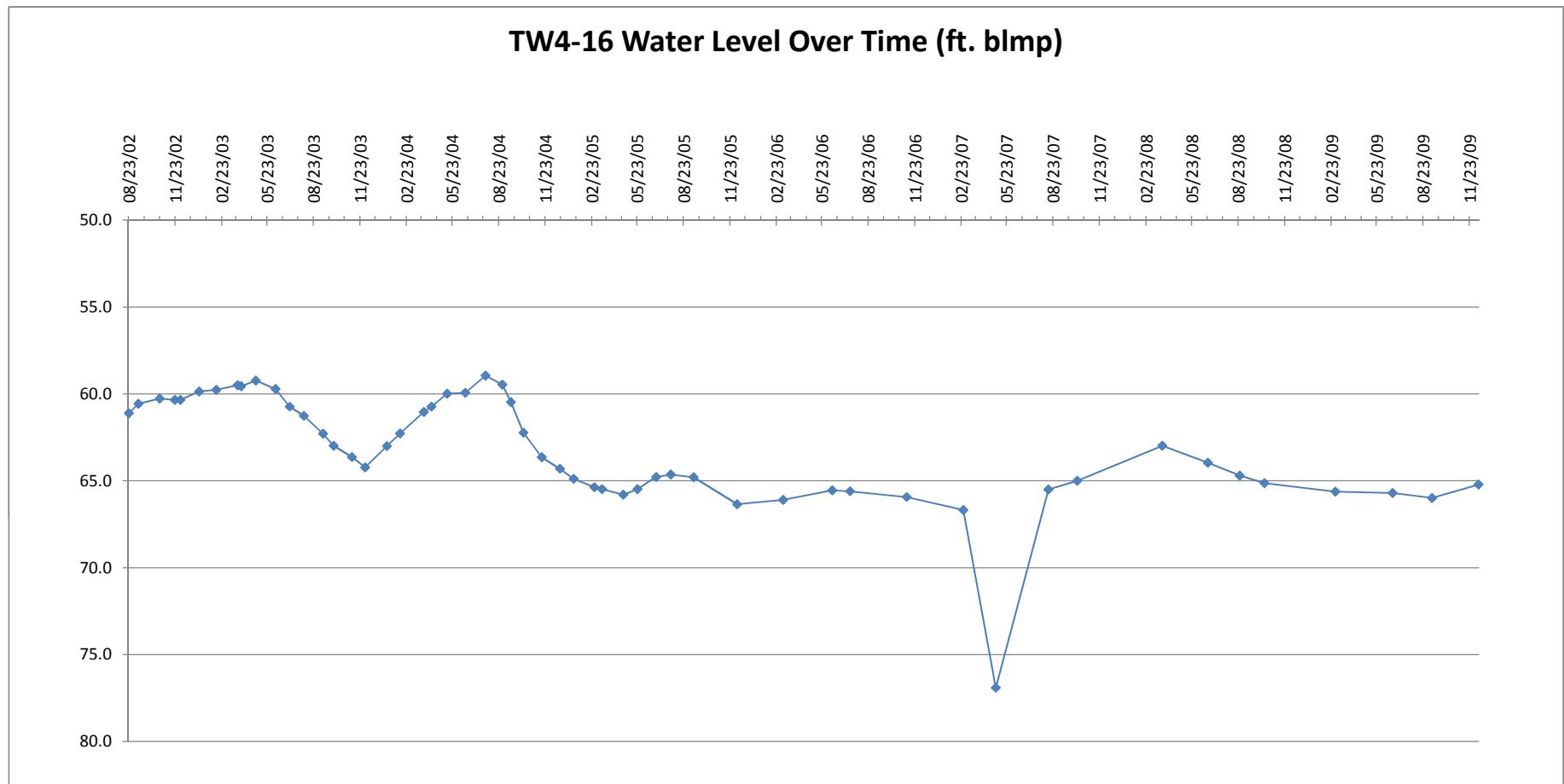
TW4-14 Water Level Over Time (ft. blmp)



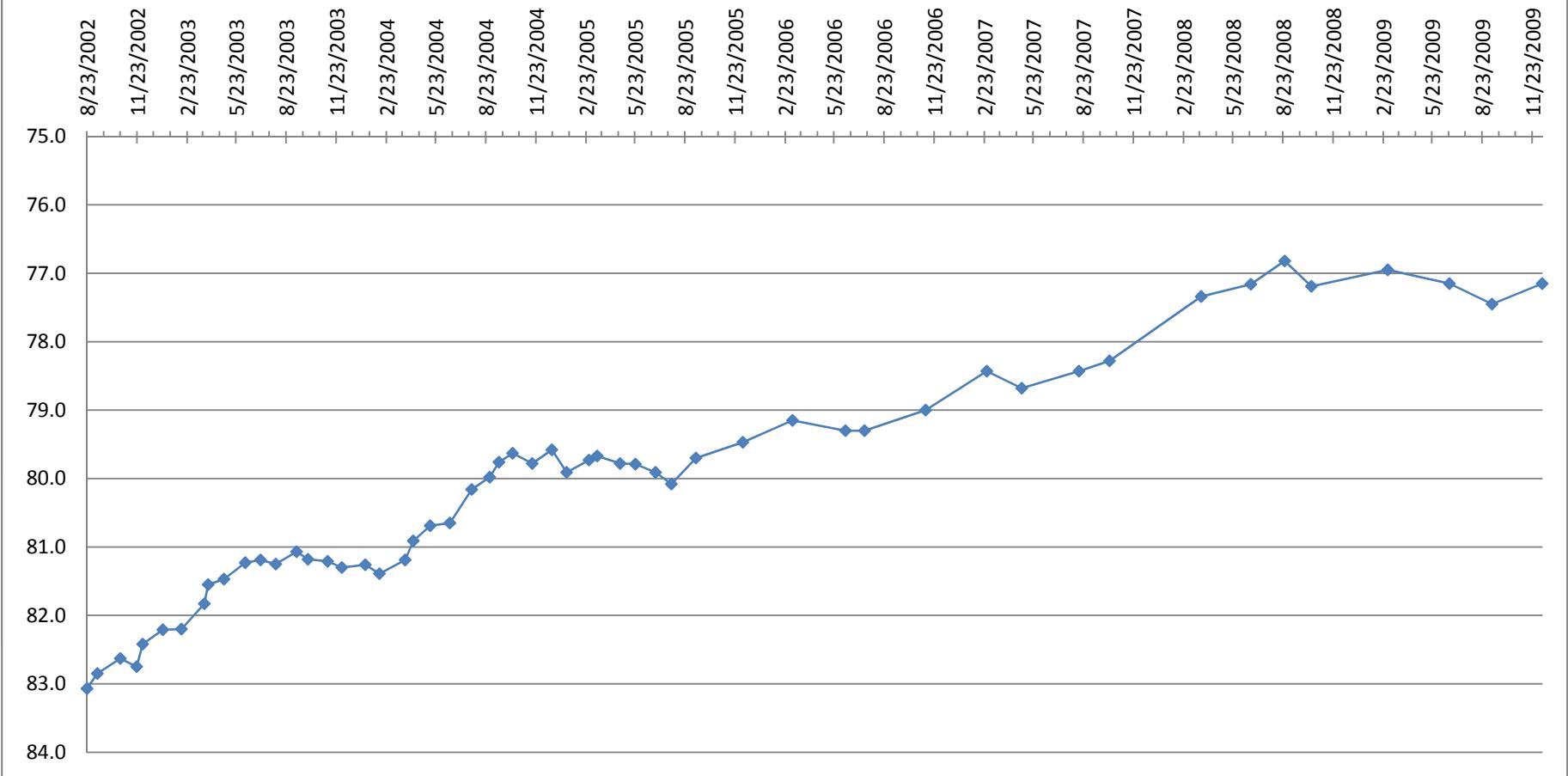
TW4-15 Water Level Over Time (ft. blmp)



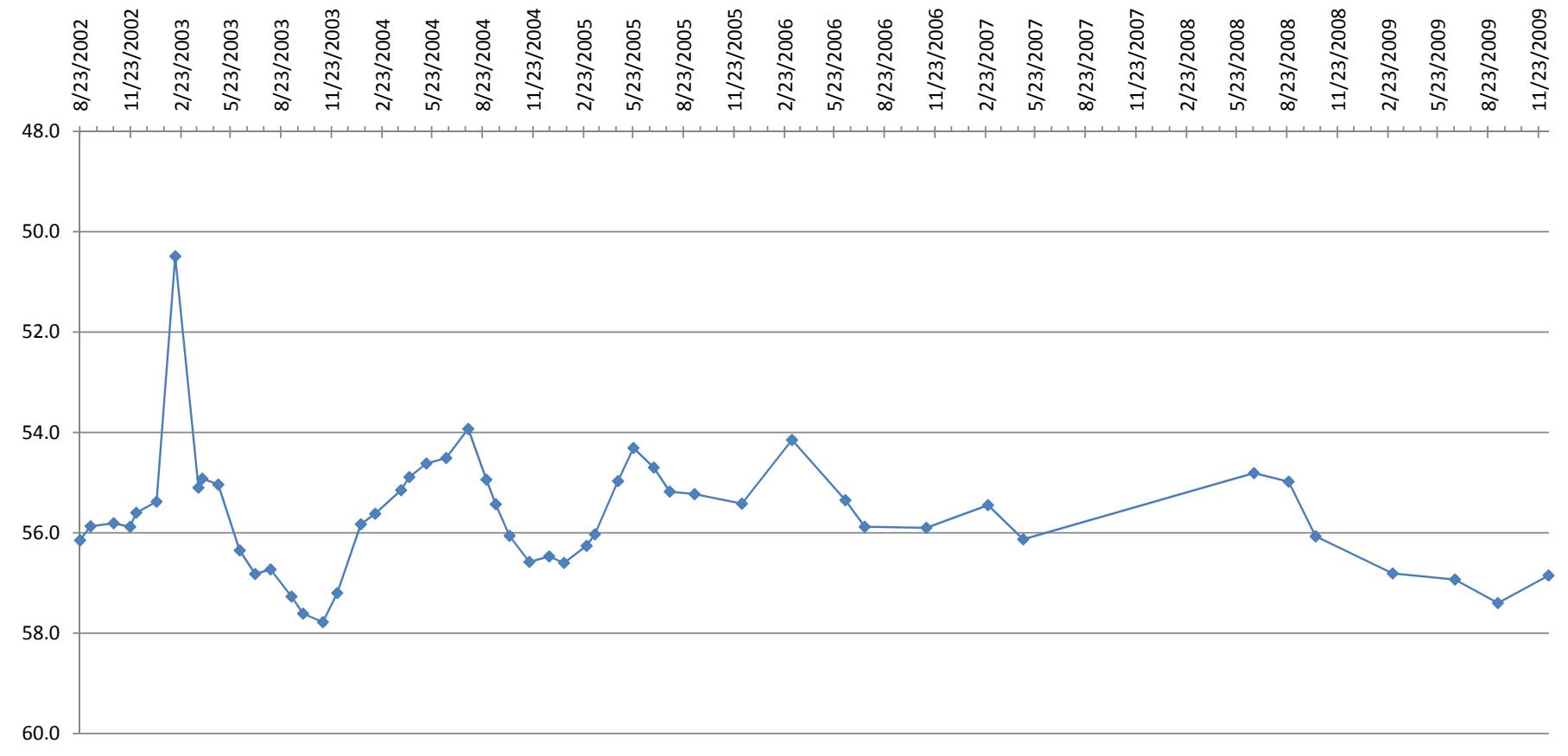
TW4-16 Water Level Over Time (ft. blmp)



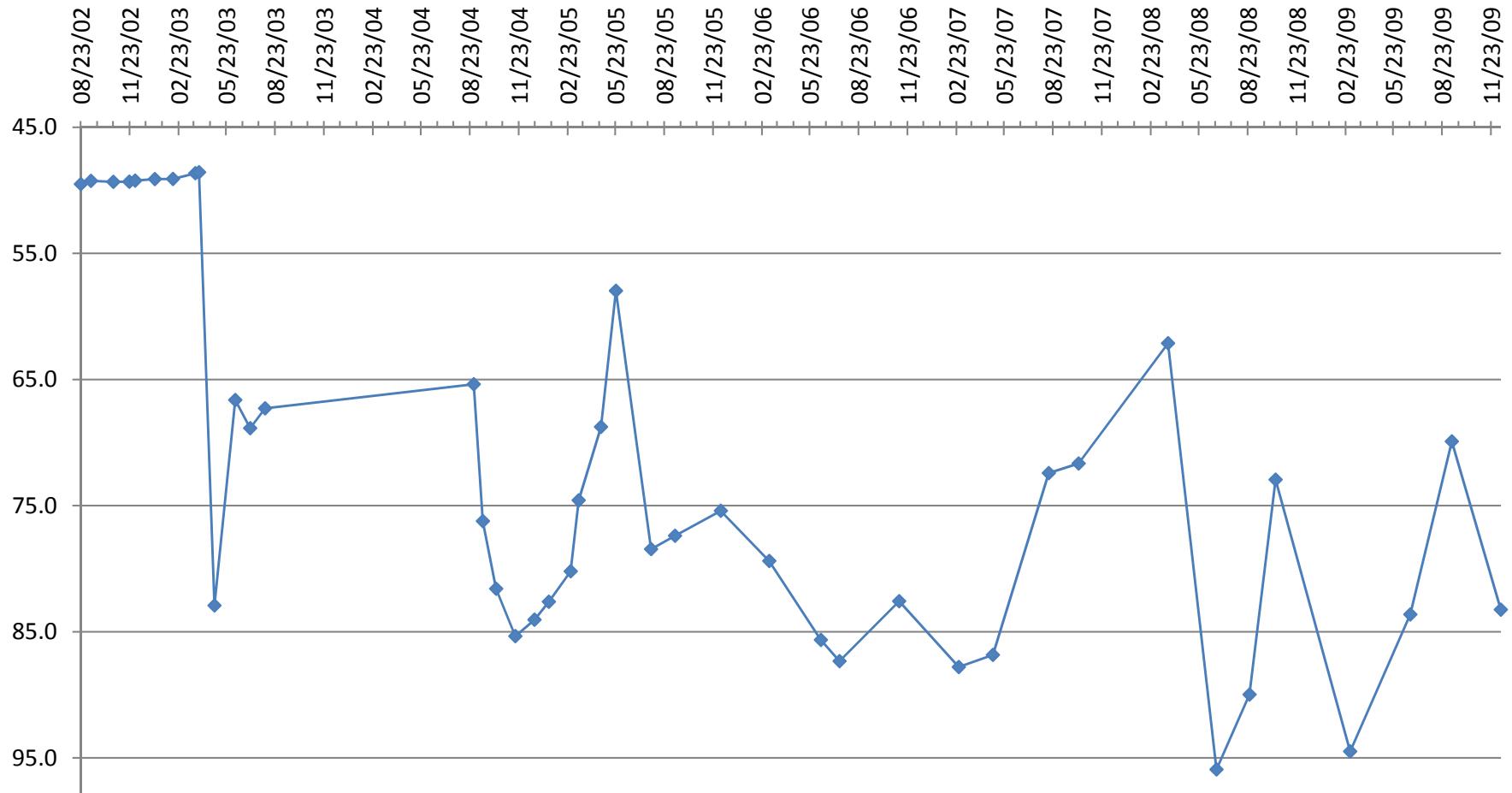
TW4-17 Water Level Over Time (ft. blmp)



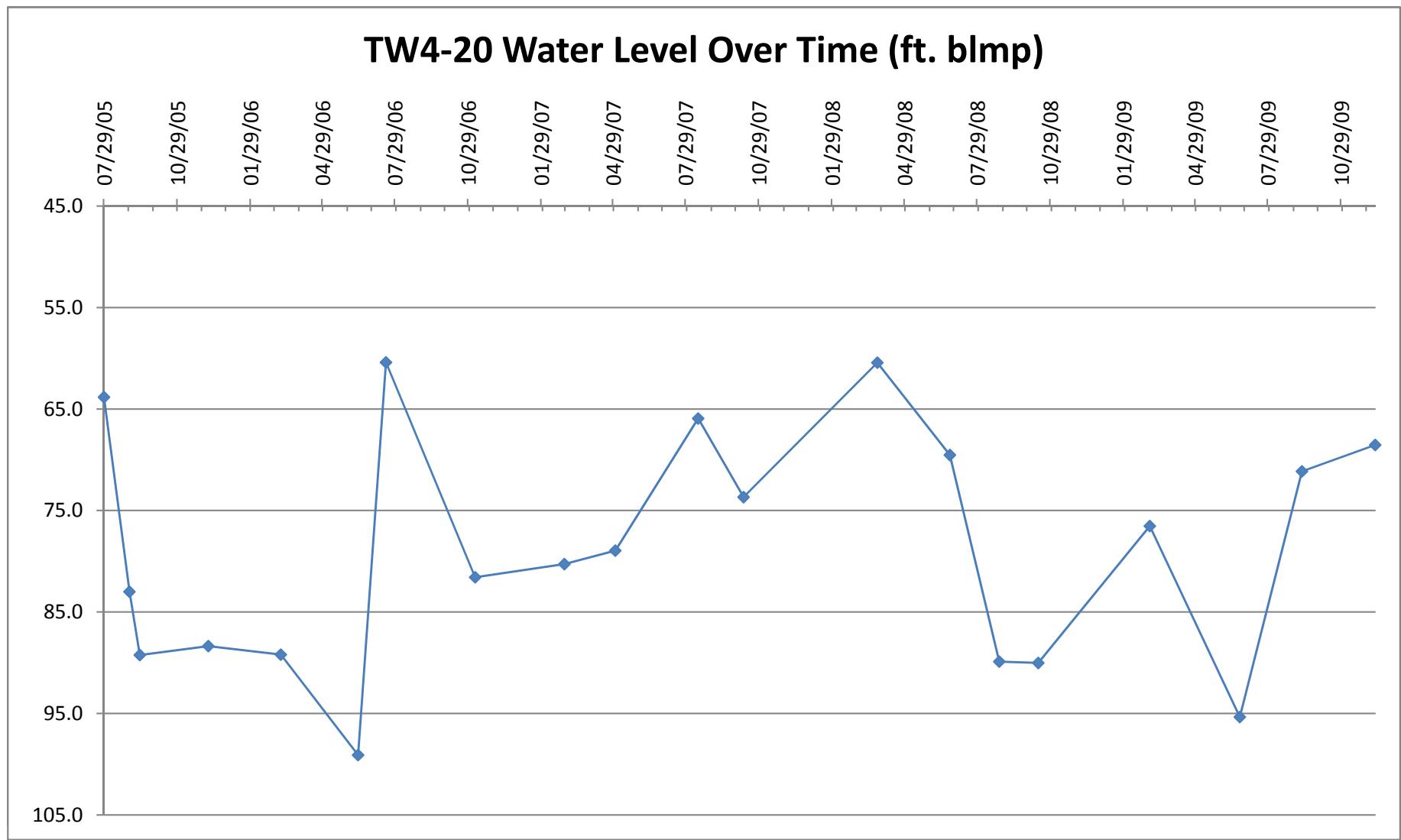
TW4-18 Water Level Over Time (ft. blmp)



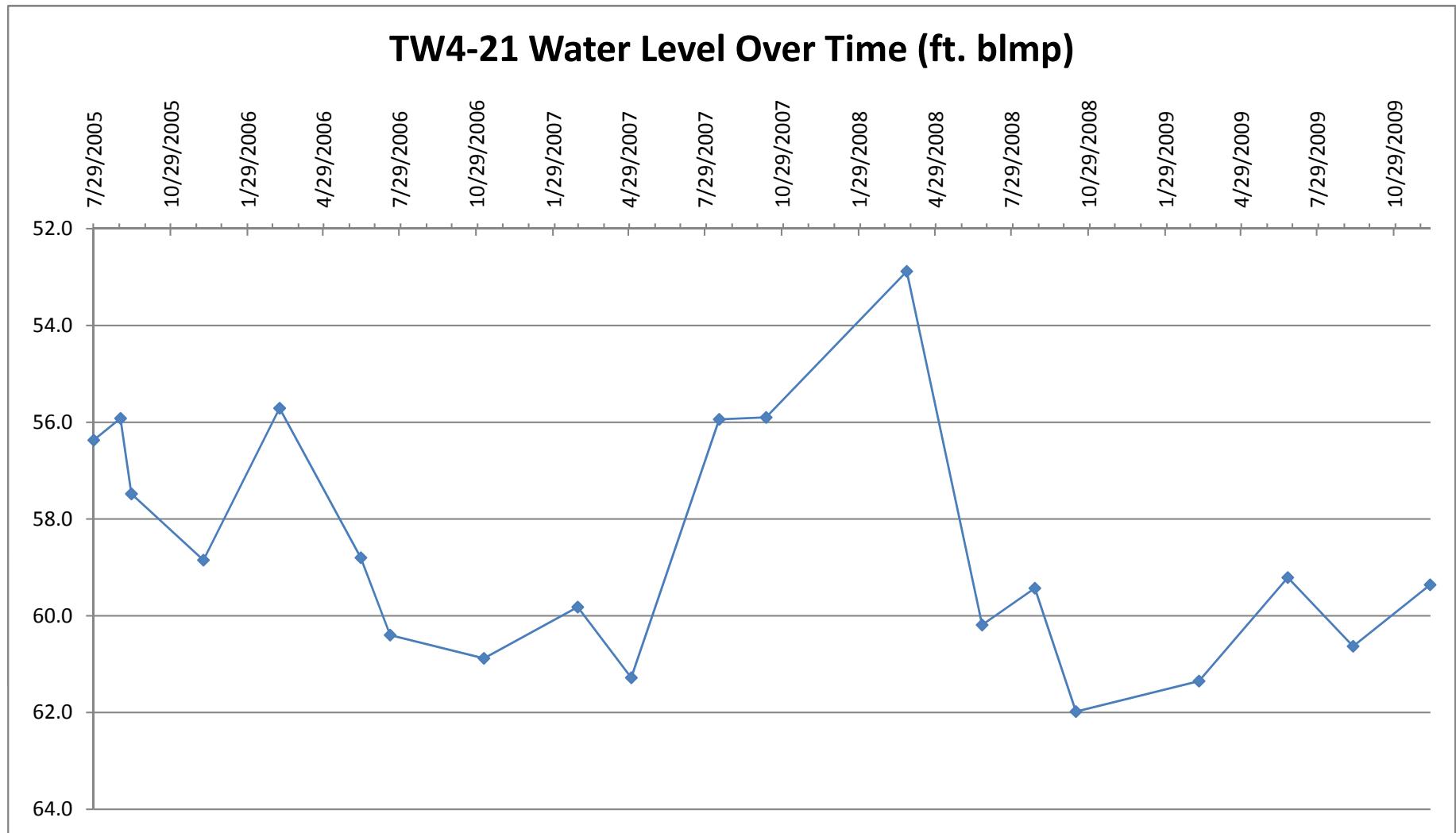
TW4-19 Water Level Over Time (ft. blmp)



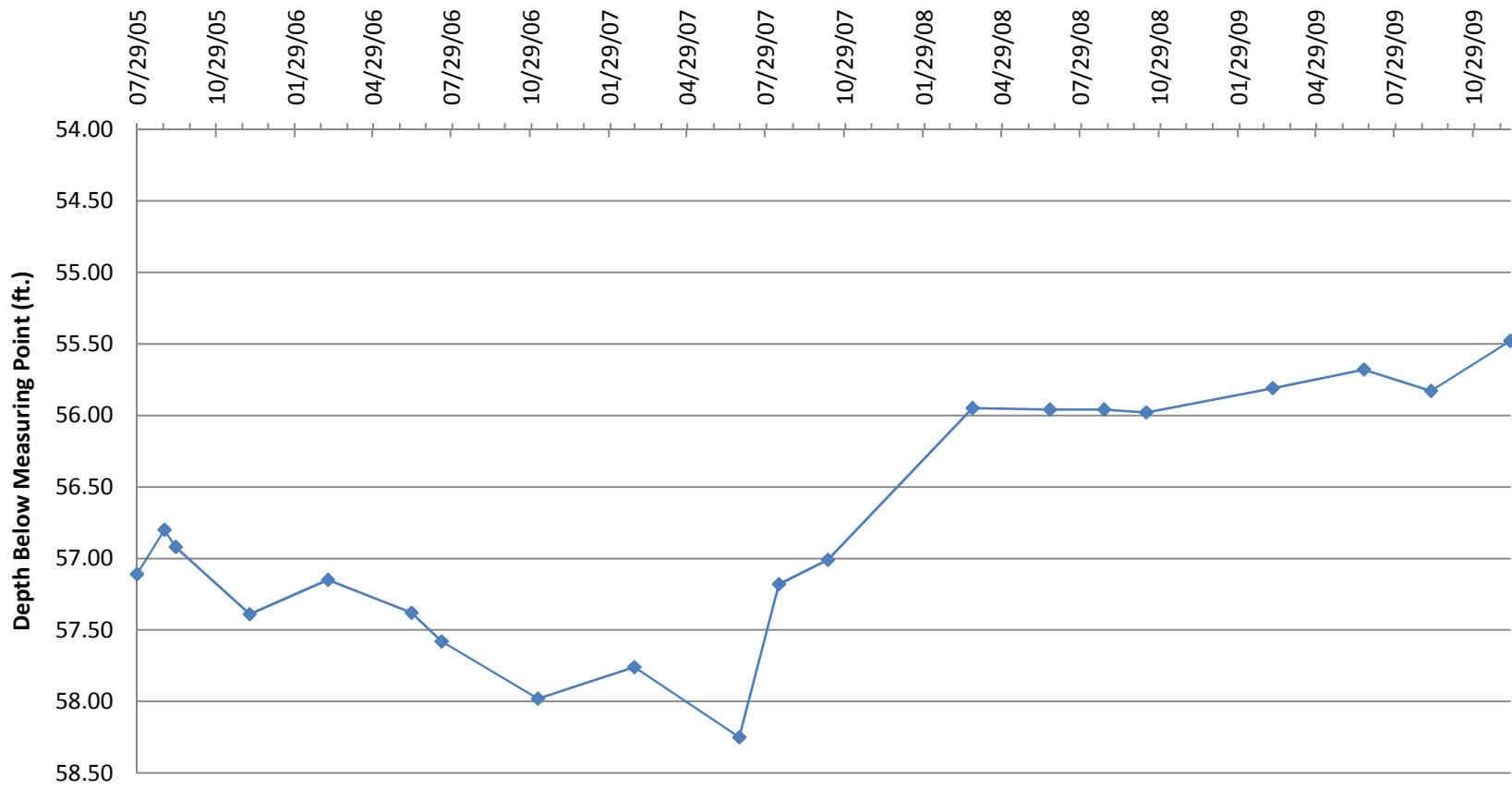
TW4-20 Water Level Over Time (ft. blmp)



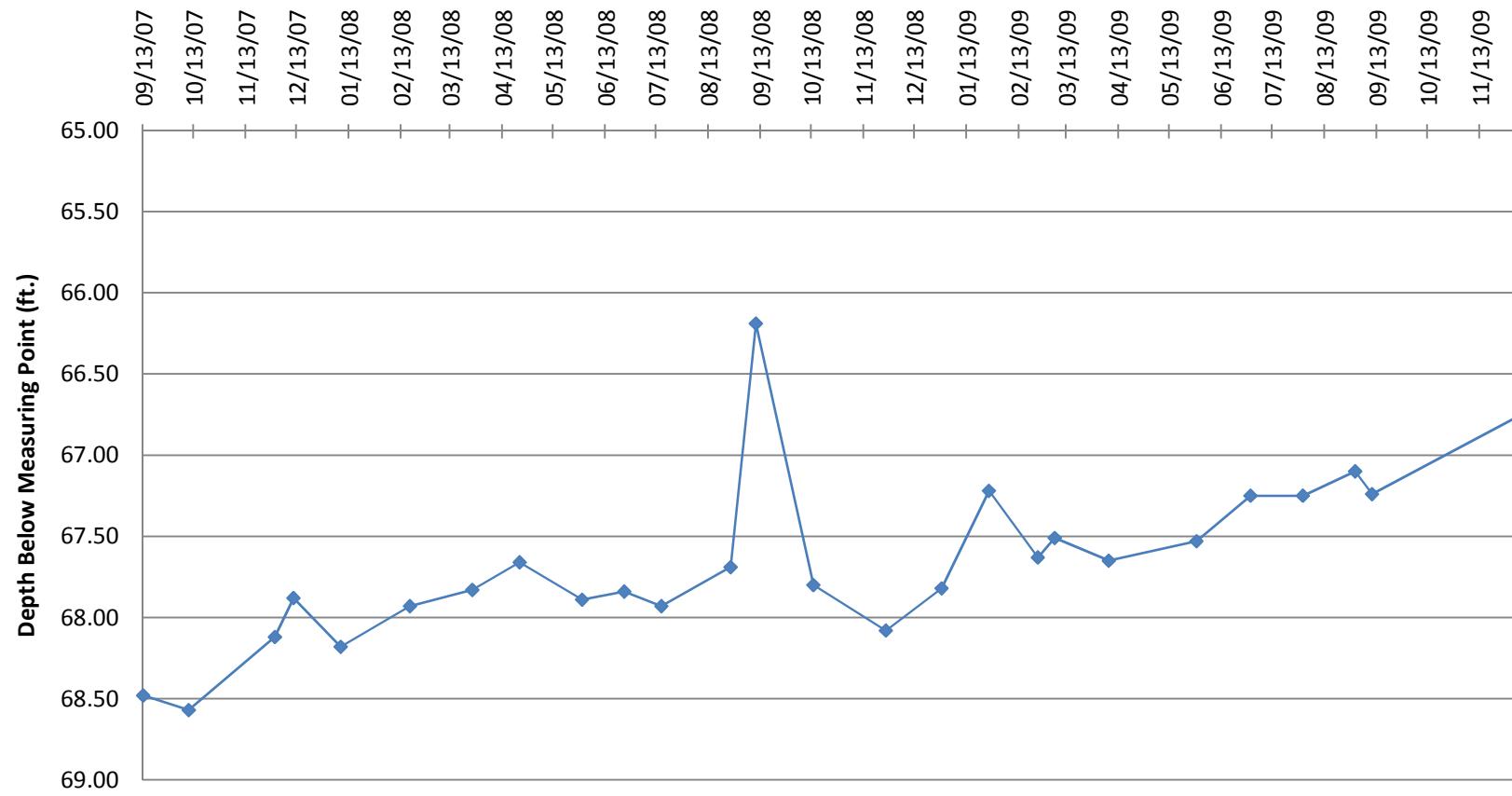
TW4-21 Water Level Over Time (ft. blmp)



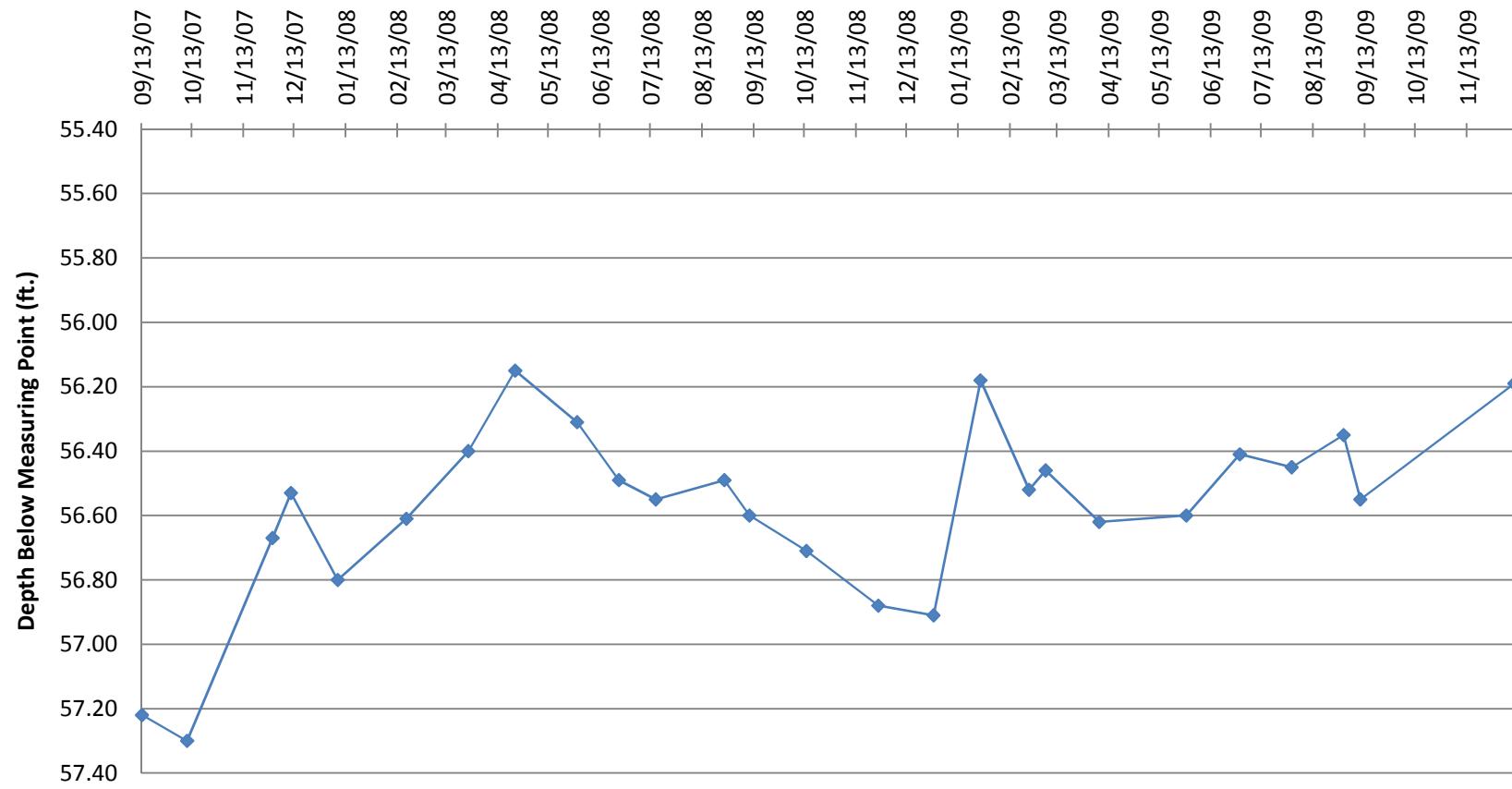
TW4-22 Water Depth Over Time



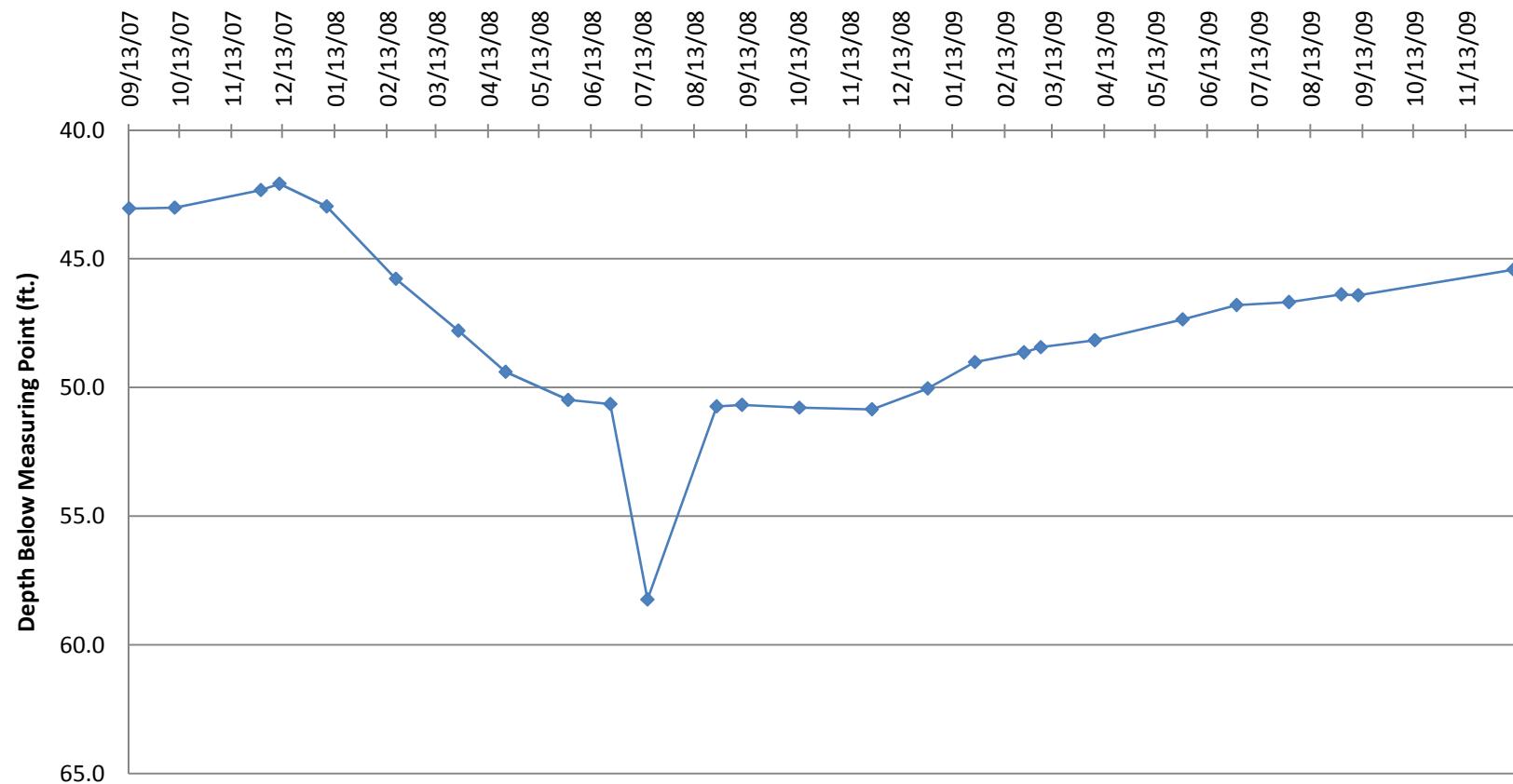
TW4-23 Water Depth Over Time



TW4-24 Water Depth Over Time



TW4-25 Water Depth Over Time



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

Water Elevation (WL)	Land Surface (LSD)	Measuring			Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)					
5,527.63	5,620.77	5,622.33	1.56		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			Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)					
5,529.92				1.56	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			Date Of Monitoring	Total or Measured	Total Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)						
5,556.89				1.56	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			Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)					
5,550.70	5,620.77	5,622.33	1.56		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	

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

Water Elevation (WL)	Land Surface (LSD)	Measuring			Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)					
z	5,620.77	5,622.33	1.02				111.04	
5,540.98					11/08/99	81.35	80.33	
5,541.13					11/09/99	81.20	80.18	
5,541.23					01/02/00	81.10	80.08	
5,541.23					01/10/00	81.10	80.08	
5,540.98					01/17/00	81.35	80.33	
5,541.03					01/24/00	81.30	80.28	
5,541.03					02/01/00	81.30	80.28	
5,540.93					02/07/00	81.40	80.38	
5,541.23					02/14/00	81.10	80.08	
5,541.23					02/23/00	81.10	80.08	
5,541.33					03/01/00	81.00	79.98	
5,541.43					03/08/00	80.90	79.88	
5,541.73					03/15/00	80.60	79.58	
5,541.43					03/20/00	80.90	79.88	
5,541.43					03/29/00	80.90	79.88	
5,541.18					04/04/00	81.15	80.13	
5,540.93					04/13/00	81.40	80.38	
5,541.23					04/21/00	81.10	80.08	
5,541.43					04/28/00	80.90	79.88	
5,541.33					05/01/00	81.00	79.98	
5,541.63					05/11/00	80.70	79.68	
5,541.33					05/15/00	81.00	79.98	
5,541.63					05/25/00	80.70	79.68	
5,541.63					06/09/00	80.70	79.68	
5,541.65					06/16/00	80.68	79.66	
5,541.63					06/26/00	80.70	79.68	
5,541.85					07/06/00	80.48	79.46	
5,541.79					07/13/00	80.54	79.52	
5,541.91					07/18/00	80.42	79.40	
5,542.17					07/27/00	80.16	79.14	
5,542.31					08/02/00	80.02	79.00	
5,542.43					08/09/00	79.90	78.88	
5,542.41					08/15/00	79.92	78.90	
5,542.08					08/31/00	80.25	79.23	
5,542.93					09/01/00	79.40	78.38	
5,542.87					09/08/00	79.46	78.44	
5,543.09					09/13/00	79.24	78.22	
5,543.25					09/20/00	79.08	78.06	
5,543.44					10/05/00	78.89	77.87	
5,544.08					11/09/00	78.25	77.23	
5,544.49					12/06/00	77.84	76.82	
5,546.14					01/14/01	76.19	75.17	
5,547.44					02/02/01	74.89	73.87	

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

Water Elevation (WL)	Land Surface (LSD)	Measuring			Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)					
z	5,620.77	5,622.33	1.02				111.04	
5,548.71					03/29/01	73.62	72.60	
5,549.20					04/30/01	73.13	72.11	
5,549.64					05/31/01	72.69	71.67	
5,549.94					06/22/01	72.39	71.37	
5,550.25					07/10/01	72.08	71.06	
5,550.93					08/10/01	71.40	70.38	
5,551.34					09/19/01	70.99	69.97	
5,551.59					10/02/01	70.74	69.72	
5,549.64					05/31/01	72.69	71.67	
5,549.94					06/21/01	72.39	71.37	
5,550.25					07/10/01	72.08	71.06	
5,550.93					08/20/01	71.40	70.38	
5,551.34					09/19/01	70.99	69.97	
5,551.59					10/02/01	70.74	69.72	
5,551.87					11/08/01	70.46	69.44	
5,552.40					12/03/01	69.93	68.91	
5,552.62					01/03/02	69.71	68.69	
5,553.12					02/06/02	69.21	68.19	
5,553.75					03/26/02	68.58	67.56	
5,553.97					04/09/02	68.36	67.34	
5,554.56					05/23/02	67.77	66.75	
5,554.54					06/05/02	67.79	66.77	
5,554.83					07/08/02	67.50	66.48	
5,555.29					08/23/02	67.04	66.02	
5,555.54					09/11/02	66.79	65.77	
5,555.94					10/23/02	66.39	65.37	
5,556.02					11/22/02	66.31	65.29	
5,556.23					12/03/02	66.10	65.08	
5,556.49					01/09/03	65.84	64.82	
5,556.67					02/12/03	65.66	64.64	
5,557.15					03/26/03	65.18	64.16	
5,557.23					04/02/03	65.10	64.08	
5,556.07					05/01/03	66.26	65.24	
5,554.28					06/09/03	68.05	67.03	
5,553.84					07/07/03	68.49	67.47	
5,553.39					08/04/03	68.94	67.92	
5,553.06					09/11/03	69.27	68.25	
5,553.33					10/02/03	69.00	67.98	
5,553.25					11/07/03	69.08	68.06	
5,553.82					12/03/03	68.51	67.49	
5,555.61					01/15/04	66.72	65.70	
5,556.32					02/10/04	66.01	64.99	
5,557.38					03/28/04	64.95	63.93	

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

Water Elevation (WL)	Land Surface (LSD)	Measuring			Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)	1.02		64.54	63.52	
z	5,620.77	5,622.33					111.04	
5,557.79					04/12/04	64.54	63.52	
5,558.35					05/13/04	63.98	62.96	
5,560.03					06/18/04	62.30	61.28	
5,560.36					07/28/04	61.97	60.95	
5,557.96					08/30/04	64.37	63.35	
5,557.24					09/16/04	65.09	64.07	
5,556.28					10/11/04	66.05	65.03	
5,556.17					11/16/04	66.16	65.14	
5,556.21					12/22/04	66.12	65.10	
5,555.82					01/18/05	66.51	65.49	
5,555.96					02/28/05	66.37	65.35	
5,556.01					03/15/05	66.32	65.30	
5,556.05					04/26/05	66.28	65.26	
5,556.00					05/24/05	66.33	65.31	
5,555.97					06/30/05	66.36	65.34	
5,555.90					07/29/05	66.43	65.41	
5,556.22					09/12/05	66.11	65.09	
5,556.25					12/07/05	66.08	65.06	
5,556.71					03/08/06	65.62	64.60	
5,556.98					06/14/06	65.35	64.33	
5,560.95					07/18/06	61.38	60.36	
5,557.07					11/07/06	65.26	64.24	
5,558.10					02/27/07	64.23	63.21	
5,557.82					05/02/07	64.51	63.49	
5,557.82					08/14/07	64.51	63.49	
5,557.63					10/10/07	64.70	63.68	
5,559.48					03/26/08	62.85	61.83	
5,560.35					06/24/08	61.98	60.96	
5,560.58					08/26/08	61.75	60.73	
5,560.62					10/14/08	61.71	60.69	
5,560.65					03/10/09	61.68	60.66	
5,560.66					06/24/09	61.67	60.65	
5,560.36					09/10/09	61.97	60.95	
5,560.53					12/11/09	61.8	60.78	

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

Water Elevation (z)	Land Surface (LSD)	Measuring			Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)					
5,548.85	5,623.10	5,625.00	1.90		11/08/99	76.15	74.25	
5,548.85					11/09/99	76.15	74.25	
5,548.60					01/02/00	76.40	74.50	
5,548.80					01/10/00	76.20	74.30	
5,548.60					01/17/00	76.40	74.50	
5,549.00					01/24/00	76.00	74.10	
5,548.90					02/01/00	76.10	74.20	
5,548.90					02/07/00	76.10	74.20	
5,549.30					02/14/00	75.70	73.80	
5,549.40					02/23/00	75.60	73.70	
5,549.50					03/01/00	75.50	73.60	
5,549.60					03/08/00	75.40	73.50	
5,549.50					03/15/00	75.50	73.60	
5,550.20					03/20/00	74.80	72.90	
5,550.00					03/29/00	75.00	73.10	
5,549.70					04/04/00	75.30	73.40	
5,549.80					04/13/00	75.20	73.30	
5,550.00					04/21/00	75.00	73.10	
5,550.10					04/28/00	74.90	73.00	
5,550.10					05/01/00	74.90	73.00	
5,550.40					05/11/00	74.60	72.70	
5,550.10					05/15/00	74.90	73.00	
5,550.40					05/25/00	74.60	72.70	
5,550.40					06/09/00	74.60	72.70	
5,550.50					06/16/00	74.50	72.60	
5,550.35					06/26/00	74.65	72.75	
5,550.45					07/06/00	74.55	72.65	
5,550.45					07/13/00	74.55	72.65	
5,550.46					07/18/00	74.54	72.64	
5,550.61					07/27/00	74.39	72.49	
5,550.66					08/02/00	74.34	72.44	
5,550.68					08/09/00	74.32	72.42	
5,550.70					08/15/00	74.30	72.40	
5,550.82					08/31/00	74.18	72.28	
5,551.15					09/08/00	73.85	71.95	
5,551.25					09/13/00	73.75	71.85	
5,551.32					09/20/00	73.68	71.78	
5,546.11					10/05/00	78.89	76.99	
5,546.75					11/09/00	78.25	76.35	
5,547.16					12/06/00	77.84	75.94	
5,552.46					01/26/01	72.54	70.64	
5,552.48					02/02/01	72.52	70.62	
5,551.38					03/29/01	73.62	71.72	

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

Water Elevation (z)	Land Surface (LSD)	Measuring			Date Of Monitoring	Total or Measured	Total Depth to Water	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring		Depth to Water (blw.MP)	Depth to Water (blw.LSD)	
5,551.87	5,623.10	5,625.00	1.90		04/30/01	73.13	71.23	
5,552.31					05/31/01	72.69	70.79	
5,552.61					06/21/01	72.39	70.49	
5,552.92					07/10/01	72.08	70.18	
5,553.60					08/20/01	71.40	69.50	
5,554.01					09/19/01	70.99	69.09	
5,554.26					10/02/01	70.74	68.84	
5,554.42					11/08/01	70.58	68.68	
5,555.07					12/03/01	69.93	68.03	
5,555.02					01/03/02	69.98	68.08	
5,555.19					02/06/02	69.81	67.91	
5,555.43					03/26/02	69.57	67.67	
5,555.67					04/09/02	69.33	67.43	
5,556.01					05/23/02	68.99	67.09	
5,556.07					06/05/02	68.93	67.03	
5,556.19					07/08/02	68.81	66.91	
5,556.32					08/23/02	68.68	66.78	
5,556.53					09/11/02	68.47	66.57	
5,557.00					10/23/02	68.00	66.10	
5,556.70					11/22/02	68.30	66.40	
5,557.29					12/03/02	67.71	65.81	
5,557.48					01/09/03	67.52	65.62	
5,557.63					02/12/03	67.37	65.47	
5,558.11					03/26/03	66.89	64.99	
5,558.15					04/02/03	66.85	64.95	
5,553.99					05/01/03	71.01	69.11	
5,549.26					06/09/03	75.74	73.84	
5,548.42					07/07/03	76.58	74.68	
5,548.03					08/04/03	76.97	75.07	
5,547.50					09/11/03	77.50	75.60	
5,547.96					10/02/03	77.04	75.14	
5,547.80					11/07/03	77.20	75.30	
5,548.57					12/03/03	76.43	74.53	
5,554.28					01/15/04	70.72	68.82	
5,555.74					02/10/04	69.26	67.36	
5,557.18					03/28/04	67.82	65.92	
5,557.77					04/12/04	67.23	65.33	
5,558.35					05/13/04	66.65	64.75	
5,558.47					06/18/04	66.53	64.63	
5,559.28					07/28/04	65.72	63.82	
5,554.54					08/30/04	70.46	68.56	
5,552.25					09/16/04	72.75	70.85	
5,549.93					10/11/04	75.07	73.17	

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

Water Elevation (z)	Land Surface (LSD)	Measuring			Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)					
5,550.17	5,623.10	5,625.00	1.90		11/16/04	74.83	72.93	
5,550.65					12/22/04	74.35	72.45	
5,550.23					01/18/05	74.77	72.87	
5,550.37					02/28/05	74.63	72.73	
5,550.41					03/15/05	74.59	72.69	
5,550.46					04/26/05	74.54	72.64	
5,550.60					05/24/05	74.40	72.50	
5,550.49					06/30/05	74.51	72.61	
5,550.39					07/29/05	74.61	72.71	
5,550.61					09/12/05	74.39	72.49	
5,550.57					12/07/05	74.43	72.53	
5,551.58					03/08/06	73.42	71.52	
5,551.70	*				06/14/06	73.3	71.40	
5,550.80					07/18/06	74.20	72.30	
5550.80					11/07/06	74.20	72.30	
5553.17					02/27/07	71.83	69.93	
5,552.34					05/02/07	72.66	70.76	
5,552.30					08/14/07	72.7	70.80	
5,552.48					10/10/07	72.52	70.62	
5,554.86					03/26/08	70.14	68.24	
5,555.51					06/24/08	69.49	67.59	
5,555.57					08/26/08	69.43	67.53	
5,555.71					10/14/08	69.29	67.39	
5,556.01					03/10/09	68.99	67.09	
5,556.53					06/24/09	68.47	66.57	
5,556.22					09/10/09	68.78	66.88	
5,556.81					12/11/09	68.19	66.29	

Water Levels and Data over Time
White Mesa Mill - Well TW4-3

Water Elevation (z)	Land Surface (LSD)	Measuring			Date Of Monitoring	Total or Measured	Total Depth to Water (blw.LSD)	Total Depth of Well
		Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring		Depth to Water (blw.MP)		
5,565.78	5,631.21	5,632.23	1.02		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			Date Of Monitoring	Total or Measured	Total Depth to Water (blw.LSD)	Total Depth of Well
		Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring		Depth to Water (blw.MP)		
5,570.61	5,631.21	5,632.23	1.02		04/30/01	61.62	60.60	
5,570.70					05/31/01	61.53	60.51	
5,570.88					06/21/01	61.35	60.33	
5,571.02					07/10/01	61.21	60.19	
5,571.70					08/20/01	60.53	59.51	
5,572.12					09/19/01	60.11	59.09	
5,572.08					10/02/01	60.15	59.13	
5,570.70					05/31/01	61.53	60.51	
5,570.88					06/21/01	61.35	60.33	
5,571.02					07/10/01	61.21	60.19	
5,571.70					08/20/01	60.53	59.51	
5,572.12					09/19/01	60.11	59.09	
5,572.08					10/02/01	60.15	59.13	
5,572.78					11/08/01	59.45	58.43	
5,573.27					12/03/01	58.96	57.94	
5,573.47					01/03/02	58.76	57.74	
5,573.93					02/06/02	58.30	57.28	
5,574.75					03/26/02	57.48	56.46	
5,574.26					04/09/02	57.97	56.95	
5,575.39					05/23/02	56.84	55.82	
5,574.84					06/05/02	57.39	56.37	
5,575.33					07/08/02	56.90	55.88	
5,575.79					08/23/02	56.44	55.42	
5,576.08					09/11/02	56.15	55.13	
5,576.30					10/23/02	55.93	54.91	
5,576.35					11/22/02	55.88	54.86	
5,576.54					12/03/02	55.69	54.67	
5,576.96					01/09/03	55.27	54.25	
5,577.11					02/12/03	55.12	54.10	
5,577.61					03/26/03	54.62	53.60	
5,572.80					04/02/03	59.43	58.41	
5,577.89					05/01/03	54.34	53.32	
5,577.91					06/09/03	54.32	53.30	
5,577.53					07/07/03	54.70	53.68	
5,577.50					08/04/03	54.73	53.71	
5,577.71					09/11/03	54.52	53.50	
5,577.31					10/02/03	54.92	53.90	
5,577.33					11/07/03	54.90	53.88	
5,577.34					12/03/03	54.89	53.87	
5,578.24					01/15/04	53.99	52.97	
5,578.38					02/10/04	53.85	52.83	
5,578.69					03/28/04	53.54	52.52	
5,579.15					04/12/04	53.08	52.06	

Water Levels and Data over Time
White Mesa Mill - Well TW4-3

Water Elevation (z)	Land Surface (LSD)	Measuring			Date Of Monitoring	Total or Measured	Total Depth to Water	Total Depth of Well
		Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring		Depth to Water (blw.MP)	Depth to Water (blw.LSD)	
5,579.47	5,631.21	5,632.23	1.02		05/13/04	52.76	51.74	
5,579.53					06/18/04	52.70	51.68	
5,580.17					07/28/04	52.06	51.04	
5,580.20					08/30/04	52.03	51.01	
5,580.26					09/16/04	51.97	50.95	
5,580.12					10/11/04	52.11	51.09	
5,579.93					11/16/04	52.30	51.28	
5,580.07					12/22/04	52.16	51.14	
5,579.80					01/18/05	52.43	51.41	
5,580.35					02/28/05	51.88	50.86	
5,580.57					03/15/05	51.66	50.64	
5,580.86					04/26/05	51.37	50.35	
5,581.20					05/24/05	51.03	50.01	
5,581.51					06/30/05	50.72	49.70	
5,581.55					07/29/05	50.68	49.66	
5,581.68					09/12/05	50.55	49.53	
5,581.83					12/07/05	50.4	49.38	
5,564.92					03/08/06	67.31	66.29	
5,582.73					06/13/06	49.50	48.48	
5,582.33					07/18/06	49.90	48.88	
5,582.75					11/07/06	49.48	48.46	
5583.35					02/27/07	48.88	47.86	
5,559.57					05/02/07	72.66	71.64	
5,583.29					08/14/07	48.94	47.92	
5,583.49					10/10/07	48.74	47.72	
5,584.95					03/26/08	47.28	46.26	
5,584.59					06/24/08	47.64	46.62	
5,584.55					08/26/08	47.68	46.66	
5,584.03					10/14/08	48.2	47.18	
5,583.64					03/03/09	48.59	47.57	
5,587.34					06/24/09	44.89	43.87	
5,582.90					09/10/09	49.33	48.31	
5,583.27					12/11/09	48.96	47.94	

Water Levels and Data over Time
White Mesa Mill - Well TW4-4

Water Elevation (z)	Land Surface (LSD)	Measuring			Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring				
5,612.301	5,613.485	1.184					114.5	
5,512.145				05/25/00	101.34	100.16		
5,518.985				06/09/00	94.50	93.32		
5,512.145				06/16/00	101.34	100.16		
5,517.465				06/26/00	96.02	94.84		
5,520.145				07/06/00	93.34	92.16		
5,521.435				07/13/00	92.05	90.87		
5,522.005				07/18/00	91.48	90.30		
5,522.945				07/27/00	90.54	89.36		
5,523.485				08/02/00	90.00	88.82		
5,523.845				08/09/00	89.64	88.46		
5,523.885				08/15/00	89.60	88.42		
5,524.555				09/01/00	88.93	87.75		
5,513.235				09/08/00	100.25	99.07		
5,516.665				09/13/00	96.82	95.64		
5,519.085				09/20/00	94.40	93.22		
5,522.165				10/05/00	91.32	90.14		
5,524.665				11/09/00	88.82	87.64		
5,518.545				12/06/00	94.94	93.76		
5,527.695				01/03/01	85.79	84.61		
5,529.085				02/09/01	84.40	83.22		
5,529.535				03/27/01	83.95	82.77		
5,530.235				04/30/01	83.25	82.07		
5,530.265				05/31/01	83.22	82.04		
5,534.405				06/22/01	79.08	77.90		
5,533.145				07/10/01	80.34	79.16		
5,534.035				08/20/01	79.45	78.27		
5,534.465				09/19/01	79.02	77.84		
5,533.285				10/02/01	80.20	79.02		
5,530.265				05/31/01	83.22	82.04		
5,534.405				06/21/01	79.08	77.90		
5,533.145				07/10/01	80.34	79.16		
5,534.035				08/20/01	79.45	78.27		
5,534.465				09/19/01	79.02	77.84		
5,533.285				10/02/01	80.20	79.02		
5,533.865				11/08/01	79.62	78.44		
5,534.275				12/03/01	79.21	78.03		
5,534.715				01/03/02	78.77	77.59		
5,535.435				02/06/02	78.05	76.87		
5,536.445				03/26/02	77.04	75.86		
5,536.405				04/09/02	77.08	75.90		
5,537.335				05/23/02	76.15	74.97		
5,537.325				06/05/02	76.16	74.98		
5,537.975				07/08/02	75.51	74.33		

Water Levels and Data over Time
White Mesa Mill - Well TW4-4

Water Elevation (z)	Land Surface (LSD)	Measuring			Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring				
5,538.825	5,612.301	5,613.485	1.184		08/23/02	74.66	73.48	
5,539.275					09/11/02	74.21	73.03	
5,539.765					10/23/02	73.72	72.54	
5,540.205					11/22/02	73.28	72.10	
5,540.295					12/03/02	73.19	72.01	
5,540.795					01/09/03	72.69	71.51	
5,540.985					02/12/03	72.50	71.32	
5,541.675					03/26/03	71.81	70.63	
5,541.765					04/02/03	71.72	70.54	
5,541.885					05/01/03	71.60	70.42	
5,542.025					06/09/03	71.46	70.28	
5,541.925					07/07/03	71.56	70.38	
5,541.885					08/04/03	71.60	70.42	
5,541.825					09/11/03	71.66	70.48	
5,541.885					10/02/03	71.60	70.42	
5,541.995					11/07/03	71.49	70.31	
5,542.005					12/03/03	71.48	70.30	
5,542.555					01/15/04	70.93	69.75	
5,542.705					02/10/04	70.78	69.60	
5,543.225					03/28/04	70.26	69.08	
5,543.555					04/12/04	69.93	68.75	
5,543.865					05/13/04	69.62	68.44	
5,543.915					06/18/04	69.57	68.39	
5,544.655					07/28/04	68.83	67.65	
5,544.795					08/30/04	68.69	67.51	
5,544.845					09/16/04	68.64	67.46	
5,544.705					10/11/04	68.78	67.60	
5,544.525					11/16/04	68.96	67.78	
5,544.625					12/22/04	68.86	67.68	
5,544.305					01/18/05	69.18	68.00	
5,544.585					02/28/05	68.90	67.72	
5,544.685					03/15/05	68.80	67.62	
5,544.675					04/26/05	68.81	67.63	
5,544.785					05/24/05	68.70	67.52	
5,544.795					06/30/05	68.69	67.51	
5,544.775					07/29/05	68.71	67.53	
5,545.005					09/12/05	68.48	67.30	
5,545.225					12/07/05	68.26	67.08	
5,545.735					03/08/06	67.75	66.57	
5,545.785					06/14/06	67.70	66.52	
5,545.855					07/18/06	67.63	66.45	
5,545.805					11/07/06	67.68	66.50	
5546.675					02/27/07	66.81	65.63	

Water Levels and Data over Time

White Mesa Mill - Well TW4-4

Water Elevation (z)	Land Surface (LSD)	Measuring Point			Date Of Monitoring	Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
		Elevation (MP)	Length Of Riser (L)	Date Of Monitoring				
5,612.301	5,613.485	1.184			05/02/07	66.95	65.77	114.5
5,546.535					08/15/07	66.33	65.15	
5,547.215					10/10/07	66.27	65.09	
5,548.305					03/26/08	65.18	64.00	
5,548.865					06/24/08	64.62	63.44	
5,549.235					08/26/08	64.25	63.07	
5,549.305					10/14/08	64.18	63.00	
5,549.725					03/03/09	63.76	62.58	
5,549.905					06/24/09	63.58	62.40	
5,549.695					09/10/09	63.79	62.61	
5,549.865					12/11/09	63.62	62.44	

Water Levels and Data over Time
White Mesa Mill - Well TW4-5

Water Elevation (z)	Land Surface (LSD)	Measuring			Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)					
5,579.30	5,638.75	5,640.70	1.95		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			Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)					
5,582.81	5,638.75	5,640.70	1.95		06/22/01	57.89	55.94	
5,582.92					07/10/01	57.78	55.83	
5,583.17					08/20/01	57.53	55.58	
5,583.28					09/19/01	57.42	55.47	
5,583.36					10/02/01	57.34	55.39	
5,582.72					05/31/01	57.98	56.03	
5,582.81					06/21/01	57.89	55.94	
5,582.92					07/10/01	57.78	55.83	
5,583.17					08/20/01	57.53	55.58	
5,583.28					09/19/01	57.42	55.47	
5,583.36					10/02/01	57.34	55.39	
5,583.49					11/08/01	57.21	55.26	
5,583.84					12/03/01	56.86	54.91	
5,583.79					01/03/02	56.91	54.96	
5,583.96					02/06/02	56.74	54.79	
5,584.39					03/26/02	56.31	54.36	
5,584.12					04/09/02	56.58	54.63	
5,584.55					05/23/02	56.15	54.20	
5,584.42					06/05/02	56.28	54.33	
5,583.65					07/08/02	57.05	55.10	
5,584.90					08/23/02	55.80	53.85	
5,585.02					09/11/02	55.68	53.73	
5,585.20					10/23/02	55.50	53.55	
5,585.15					11/22/02	55.55	53.60	
5,585.42					12/03/02	55.28	53.33	
5,585.65					01/09/03	55.05	53.10	
5,585.65					02/12/03	55.05	53.10	
5,585.92					03/26/03	54.78	52.83	
5,586.22					04/02/03	54.48	52.53	
5,586.01					05/01/03	54.69	52.74	
5,584.81					06/09/03	55.89	53.94	
5,584.34					07/07/03	56.36	54.41	
5,584.40					08/04/03	56.30	54.35	
5,583.88					09/11/03	56.82	54.87	
5,583.57					10/02/03	57.13	55.18	
5,583.39					11/07/03	57.31	55.36	
5,583.97					12/03/03	56.73	54.78	
5,585.28					01/15/04	55.42	53.47	
5,585.50					02/10/04	55.20	53.25	
5,585.87					03/28/04	54.83	52.88	
5,586.20					04/12/04	54.50	52.55	
5,586.45					05/13/04	54.25	52.30	
5,586.50					06/18/04	54.20	52.25	

Water Levels and Data over Time
White Mesa Mill - Well TW4-5

Water Elevation (z)	Land Surface (LSD)	Measuring			Date Of Monitoring	Total or Measured	Total Depth to Water (blw.LSD)	Total Depth to Water (blw.MP)	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring					
5,587.13	5,638.75	5,640.70	1.95		07/28/04	53.57	51.62		
5,586.22					08/30/04	54.48	52.53		
5,585.69					09/16/04	55.01	53.06		
5,585.17					10/11/04	55.53	53.58		
5,584.64					11/16/04	56.06	54.11		
5,584.77					12/22/04	55.93	53.98		
5,584.65					01/18/05	56.05	54.10		
5,584.98					02/28/05	55.72	53.77		
5,585.15					03/15/05	55.55	53.60		
5,586.25					04/26/05	54.45	52.50		
5,586.79					05/24/05	53.91	51.96		
5,586.52					06/30/05	54.18	52.23		
5,586.03					07/29/05	54.67	52.72		
5,586.05					09/12/05	54.65	52.70		
5,585.80					12/07/05	54.90	52.95		
5,587.06					03/08/06	53.64	51.69		
5,585.90					06/13/06	54.80	52.85		
5,585.32					07/18/06	55.38	53.43		
5,585.35					11/07/06	55.35	53.40		
5,585.81					02/27/07	54.89	52.94		
5,585.20					05/02/07	55.50	53.55		
5,586.66					08/14/07	54.04	52.09		
5,586.80					10/10/07	53.90	51.95		
5,588.48					03/26/08	52.22	50.27		
5,586.51					06/24/08	54.19	52.24		
5,586.45					08/26/08	54.25	52.30		
5,585.40					10/14/08	55.3	53.35		
5,584.80					03/03/09	55.9	53.95		
5,584.73					06/24/09	55.97	54.02		
5,584.36					09/10/09	56.34	54.39		
5,585.02					12/11/09	55.68	53.73		

Water Levels and Data over Time
White Mesa Mill - Well TW4-6

Water Elevation (z)	Land Surface (LSD)	Measuring			Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
		Point Elevation (MP)	Length Of Riser (L)					
5,607.33	5,608.78	1.450					98.55	
5,522.28					05/25/00	86.50	85.05	
5,521.51					06/09/00	87.27	85.82	
5,522.35					06/16/00	86.43	84.98	
5,522.14					06/26/00	86.64	85.19	
5,522.25					07/06/00	86.53	85.08	
5,522.13					07/13/00	86.65	85.20	
5,522.17					07/18/00	86.61	85.16	
5,522.26					07/25/00	86.52	85.07	
5,522.31					08/02/00	86.47	85.02	
5,522.33					08/09/00	86.45	85.00	
5,522.35					08/15/00	86.43	84.98	
5,522.40					08/31/00	86.38	84.93	
5,522.40					09/08/00	86.38	84.93	
5,522.45					09/13/00	86.33	84.88	
5,522.53					09/20/00	86.25	84.80	
5,522.39					10/05/00	86.39	84.94	
5,522.42					11/09/00	86.36	84.91	
5,522.29					12/06/00	86.49	85.04	
5,522.63					01/03/01	86.15	84.70	
5,522.72					02/09/01	86.06	84.61	
5,522.90					03/26/01	85.88	84.43	
5,522.70					04/30/01	86.08	84.63	
5,522.89					05/31/01	85.89	84.44	
5,522.88					06/20/01	85.90	84.45	
5,522.96					07/10/01	85.82	84.37	
5,523.10					08/20/01	85.68	84.23	
5,523.23					09/19/01	85.55	84.10	
5,523.21					10/02/01	85.57	84.12	
5,522.89					05/31/01	85.89	84.44	
5,522.88					06/21/01	85.90	84.45	
5,522.96					07/10/01	85.82	84.37	
5,523.10					08/20/01	85.68	84.23	
5,523.23					09/19/01	85.55	84.10	
5,523.21					10/02/01	85.57	84.12	
5,523.25					11/08/01	85.53	84.08	
5,523.46					12/03/01	85.32	83.87	
5,523.36					01/03/02	85.42	83.97	
5,523.50					02/06/02	85.28	83.83	
5,523.94					03/26/02	84.84	83.39	
5,523.75					04/09/02	85.03	83.58	
5,524.23					05/23/02	84.55	83.10	
5,523.98					06/05/02	84.80	83.35	
5,524.31					07/08/02	84.47	83.02	

Water Levels and Data over Time
White Mesa Mill - Well TW4-6

Water Elevation (z)	Land Surface (LSD)	Measuring			Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
		Point Elevation (MP)	Length Of Riser (L)	1.450		82.97	82.84	82.62
5,524.36	5,607.33	5,608.78	1.450		08/23/02	84.42	82.97	
5,524.49					09/11/02	84.29	82.84	
5,524.71					10/23/02	84.07	82.62	
5,524.60					11/22/02	84.18	82.73	
5,524.94					12/03/02	83.84	82.39	
5,525.10					01/09/03	83.68	82.23	
5,525.15					02/12/03	83.63	82.18	
5,525.35					03/26/03	83.43	81.98	
5,525.68					04/02/03	83.10	81.65	
5,525.74					05/01/03	83.04	81.59	
5,525.98					06/09/03	82.80	81.35	
5,526.04					07/07/03	82.74	81.29	
5,526.07					08/04/03	82.71	81.26	
5,526.42					09/11/03	82.36	80.91	
5,526.30					10/02/03	82.48	81.03	
5,526.41					11/07/03	82.37	80.92	
5,526.46					12/03/03	82.32	80.87	
5,526.83					01/15/04	81.95	80.50	
5,526.81					02/10/04	81.97	80.52	
5,527.14					03/28/04	81.64	80.19	
5,527.39					04/12/04	81.39	79.94	
5,527.64					05/13/04	81.14	79.69	
5,527.70					06/18/04	81.08	79.63	
5,528.16					07/28/04	80.62	79.17	
5,528.30					08/30/04	80.48	79.03	
5,528.52					09/16/04	80.26	78.81	
5,528.71					10/11/04	80.07	78.62	
5,528.74					11/16/04	80.04	78.59	
5,529.20					12/22/04	79.58	78.13	
5,528.92					01/18/05	79.86	78.41	
5,529.51					02/28/05	79.27	77.82	
5,529.74					03/15/05	79.04	77.59	
5,529.96					04/26/05	78.82	77.37	
5,530.15					05/24/05	78.63	77.18	
5,530.35					06/30/05	78.43	76.98	
5,530.47					07/29/05	78.31	76.86	
5,530.95					09/12/05	77.83	76.38	
5,531.50					12/07/05	77.28	75.83	
5,532.43					03/08/06	76.35	74.90	
5,533.49					06/13/06	75.29	73.84	
5,532.58					07/18/06	76.20	74.75	
5,532.88					11/07/06	75.90	74.45	
5534.09					02/27/07	74.69	73.24	

Water Levels and Data over Time
White Mesa Mill - Well TW4-6

Water Elevation (z)	Land Surface (LSD)	Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured	Total Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
					Depth to Water (blw.MP)	(blw.LSD)	98.55	
5,534.04				05/02/07	74.74	73.29		
5,534.43				08/14/07	74.35	72.90		
5,554.54				10/10/07	54.24	52.79		
5,535.40				03/26/08	73.38	71.93		
5,535.55				06/24/08	73.23	71.78		
5,535.90				08/26/08	72.88	71.43		
5,535.87				10/14/08	72.91	71.46		
5,536.42				03/10/09	72.36	70.91		
5,536.71				06/24/09	72.07	70.62		
5,536.83				09/10/09	71.95	70.50		
5,537.35				12/11/09	71.43	69.98		

Water Levels and Data over Time
White Mesa Mill - Well TW4-7

Water Elevation (WL)	Land Surface (LSD)	Measuring			Date Of Monitoring	Total or	Total Depth to Water (blw.LSD)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
		Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring		Measured Depth to Water (blw.MP)			
5,552.37	5,619.87	5,621.07	1.20		11/29/99	68.70	67.50		119.8
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			Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
		Point Elevation (MP)	Length Of Riser (L)					
5,556.15	5,619.87	5,621.07	1.20		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		Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
		Elevation (MP)	Length Of Riser (L)		(blw.MP)	(blw.LSD)	(blw.LSD)
5,561.64	5,619.87	5,621.07	1.20	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	

Water Levels and Data over Time
White Mesa Mill - Well TW4-8

Water Elevation (WL)	Land Surface (LSD)	Measuring			Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)					
5,543.21	5,616.80	5,618.21	1.41		11/29/1999	75.00	73.59	
5,543.01					01/02/2000	75.20	73.79	
5,543.31					01/10/2000	74.90	73.49	
5,543.11					01/17/2000	75.10	73.69	
5,543.41					01/24/2000	74.80	73.39	
5,543.31					02/01/2000	74.90	73.49	
5,543.31					02/07/2000	74.90	73.49	
5,543.71					02/14/2000	74.50	73.09	
5,543.76					02/23/2000	74.45	73.04	
5,543.86					03/01/2000	74.35	72.94	
5,543.86					03/08/2000	74.35	72.94	
5,543.91					03/15/2000	74.30	72.89	
5,544.31					03/20/2000	73.90	72.49	
5,544.21					03/29/2000	74.00	72.59	
5,544.01					04/04/2000	74.20	72.79	
5,544.21					04/13/2000	74.00	72.59	
5,544.41					04/21/2000	73.80	72.39	
5,544.51					04/28/2000	73.70	72.29	
5,544.51					05/01/2000	73.70	72.29	
5,544.81					05/11/2000	73.40	71.99	
5,544.51					05/15/2000	73.70	72.29	
5,544.71					05/25/2000	73.50	72.09	
5,544.71					06/09/2000	73.50	72.09	
5,544.81					06/16/2000	73.40	71.99	
5,544.68					06/26/2000	73.53	72.12	
5,544.76					07/06/2000	73.45	72.04	
5,544.77					07/13/2000	73.44	72.03	
5,544.76					07/18/2000	73.45	72.04	
5,544.92					07/27/2000	73.29	71.88	
5,544.96					08/02/2000	73.25	71.84	
5,544.98					08/09/2000	73.23	71.82	
5,544.97					08/15/2000	73.24	71.83	
5,545.21					08/31/2000	73.00	71.59	
5,545.31					09/08/2000	72.90	71.49	
5,545.43					09/13/2000	72.78	71.37	
5,545.56					09/20/2000	72.65	71.24	
5,545.57					10/05/2000	72.64	71.23	
5,545.81					11/09/2000	72.40	70.99	
5,545.66					12/06/2000	72.55	71.14	
5,546.28					01/03/2001	71.93	70.52	
5,546.70					02/09/2001	71.51	70.10	
5,547.18					03/27/2001	71.03	69.62	
5,547.31					04/30/2001	70.90	69.49	

Water Levels and Data over Time
White Mesa Mill - Well TW4-8

Water Elevation (WL)	Land Surface (LSD)	Measuring			Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)					
5,547.49	5,616.80	5,618.21	1.41		05/31/2001	70.72	69.31	
5,547.49					06/20/2001	70.72	69.31	
5,547.83					07/10/2001	70.38	68.97	
5,548.13					08/20/2001	70.08	68.67	
5,548.30					09/19/2001	69.91	68.50	
5,548.45					10/02/2001	69.76	68.35	
5,547.49					05/31/2001	70.72	69.31	
5,547.54					06/21/2001	70.67	69.26	
5,547.83					07/10/2001	70.38	68.97	
5,548.13					08/20/2001	70.08	68.67	
5,548.30					09/19/2001	69.91	68.50	
5,548.45					10/02/2001	69.76	68.35	
5,548.62					11/08/2001	69.59	68.18	
5,549.03					12/03/2001	69.18	67.77	
5,548.97					01/03/2002	69.24	67.83	
5,549.19					02/06/2002	69.02	67.61	
5,549.66					03/26/2002	68.55	67.14	
5,549.64					04/09/2002	68.57	67.16	
5,550.01					05/23/2002	68.20	66.79	
5,549.97					06/05/2002	68.24	66.83	
5,550.13					07/08/2002	68.08	66.67	
5,550.30					08/23/2002	67.91	66.50	
5,550.50					09/11/2002	67.71	66.30	
5,550.90					10/23/2002	67.31	65.90	
5,550.83					11/22/2002	67.38	65.97	
5,551.04					12/03/2002	67.17	65.76	
5,551.24					01/09/2003	66.97	65.56	
5,551.23					02/12/2003	66.98	65.57	
5,551.52					03/26/2003	66.69	65.28	
5,551.64					04/02/2003	66.57	65.16	
5,549.02					05/01/2003	69.19	67.78	
5,544.74					06/09/2003	73.47	72.06	
5,543.78					07/07/2003	74.43	73.02	
5,543.39					08/04/2003	74.82	73.41	
5,543.05					09/11/2003	75.16	73.75	
5,543.19					10/02/2003	75.02	73.61	
5,543.21					11/07/2003	75.00	73.59	
5,543.40					12/03/2003	74.81	73.40	
5,548.10					01/15/2004	70.11	68.70	
5,549.50					02/10/2004	68.71	67.30	
5,550.87					03/28/2004	67.34	65.93	
5,551.33					04/12/2004	66.88	65.47	
5,551.87					05/13/2004	66.34	64.93	

Water Levels and Data over Time
White Mesa Mill - Well TW4-8

Water Elevation (WL)	Land Surface (LSD)	Measuring			Date Of Monitoring	Total or Measured	Total Depth to Water (blw.LSD)	Total Depth to Water (blw.MP)	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring					
5,551.92	5,616.80	5,618.21	1.41		06/18/2004	66.29	64.88		
5,552.69					07/28/2004	65.52	64.11		
5,549.78					08/30/2004	68.43	67.02		
5,547.46					09/16/2004	70.75	69.34		
5,545.21					10/11/2004	73.00	71.59		
5,545.09					11/16/2004	73.12	71.71		
5,545.61					12/22/2004	72.60	71.19		
5,545.24					01/18/2005	72.97	71.56		
5,545.42					02/28/2005	72.79	71.38		
5,545.45					03/15/2005	72.76	71.35		
5,545.46					04/26/2005	72.75	71.34		
5,545.66					05/24/2005	72.55	71.14		
5,545.54					06/30/2005	72.67	71.26		
5,545.43					07/29/2005	72.78	71.37		
5,545.61					09/12/2005	72.60	71.19		
5,545.52					12/07/2005	72.69	71.28		
5,546.53					03/08/2006	71.68	70.27		
5,546.51					06/13/2006	71.70	70.29		
5,546.51					07/18/2006	71.70	70.29		
5,546.46					11/07/2006	71.75	70.34		
5,547.92					02/27/2007	70.29	68.88		
5,547.01					05/02/2007	71.20	69.79		
5,547.40					08/14/2007	70.81	69.40		
5,547.57					10/10/2007	70.64	69.23		
5,548.76					03/26/2008	69.45	68.04		
5,549.17					06/24/2008	69.04	67.63		
5,549.31					08/26/2008	68.9	67.49		
5,549.37					10/14/2008	68.84	67.43		
5,549.72					03/03/2009	68.49	67.08		
5,550.08					06/24/2009	68.13	66.72		
5,549.93					09/10/2009	68.28	66.87		
5,550.44					12/11/2009	67.77	66.36		

Water Levels and Data over Time
White Mesa Mill - Well TW4-9

Water Elevation (WL)	Land Surface (LSD)	Measuring			Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring				
5,577.09	5,636.11	5,637.59	1.48		12/20/1999	60.5	59.02	121.33
5,577.09					01/02/2000	60.5	59.02	
5,577.29					01/10/2000	60.3	58.82	
5,577.09					01/17/2000	60.5	59.02	
5,577.39					01/24/2000	60.2	58.72	
5,577.29					02/01/2000	60.3	58.82	
5,577.19					02/07/2000	60.4	58.92	
5,577.69					02/14/2000	59.9	58.42	
5,577.69					02/23/2000	59.9	58.42	
5,577.79					03/01/2000	59.8	58.32	
5,577.79					03/08/2000	59.8	58.32	
5,577.89					03/15/2000	59.7	58.22	
5,568.49					03/20/2000	69.1	67.62	
5,578.14					03/29/2000	59.45	57.97	
5,577.84					04/04/2000	59.75	58.27	
5,578.04					04/13/2000	59.55	58.07	
5,578.24					04/21/2000	59.35	57.87	
5,578.39					04/28/2000	59.2	57.72	
5,578.39					05/01/2000	59.2	57.72	
5,578.79					05/11/2000	58.8	57.32	
5,578.39					05/15/2000	59.2	57.72	
5,578.79					05/25/2000	58.8	57.32	
5,578.81					06/09/2000	58.78	57.30	
5,578.89					06/16/2000	58.7	57.22	
5,578.74					06/26/2000	58.85	57.37	
5,578.86					07/06/2000	58.73	57.25	
5,578.87					07/13/2000	58.72	57.24	
5,578.84					07/18/2000	58.75	57.27	
5,579.03					07/27/2000	58.56	57.08	
5,579.03					08/02/2000	58.56	57.08	
5,579.05					08/09/2000	58.54	57.06	
5,579.04					08/15/2000	58.55	57.07	
5,579.25					08/31/2000	58.34	56.86	
5,579.35					09/08/2000	58.24	56.76	
5,579.40					09/13/2000	58.19	56.71	
5,579.46					09/20/2000	58.13	56.65	
5,579.44					10/05/2000	58.15	56.67	
5,579.79					11/09/2000	57.8	56.32	
5,579.73					12/06/2000	57.86	56.38	
5,580.01					01/03/2001	57.58	56.10	
5,580.30					02/09/2001	57.29	55.81	
5,580.66					03/27/2001	56.93	55.45	
5,580.75					04/30/2001	56.84	55.36	

Water Levels and Data over Time

White Mesa Mill - Well TW4-9

Water Levels and Data over Time

White Mesa Mill - Well TW4-9

Water Levels and Data over Time

White Mesa Mill - Well TW4-10

Water Levels and Data over Time

White Mesa Mill - Well TW4-10

Water Levels and Data over Time
White Mesa Mill - Well TW4-11

Water Elevation (WL)	Land Surface (LSD)	Measuring			Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring				
5,548.32	5,621.92	5,623.62	1.70		1/3/2002	75.30	73.60	
5,548.73					2/6/2002	74.89	73.19	
5,549.03					3/26/2002	74.59	72.89	
5,548.84					4/9/2002	74.78	73.08	
5,549.30					5/23/2002	74.32	72.62	
5,549.01					6/5/2002	74.61	72.91	
5,549.22					7/8/2002	74.40	72.70	
5,549.44					8/23/2002	74.18	72.48	
5,549.57					9/11/2002	74.05	72.35	
5,549.64					10/23/2002	73.98	72.28	
5,549.58					11/22/2002	74.04	72.34	
5,549.62					12/3/2002	74.00	72.30	
5,549.85					1/9/2003	73.77	72.07	
5,549.91					2/12/2003	73.71	72.01	
5,550.15					3/26/2003	73.47	71.77	
5,550.01					4/2/2003	73.61	71.91	
5,550.31					5/1/2003	73.31	71.61	
5,550.44					6/9/2003	73.18	71.48	
5,550.33					7/7/2003	73.29	71.59	
5,550.35					8/4/2003	73.27	71.57	
5,550.44					9/11/2003	73.18	71.48	
5,550.47					10/2/2003	73.15	71.45	
5,550.60					11/7/2003	73.02	71.32	
5,550.60					12/3/2003	73.02	71.32	
5,550.94					1/15/2004	72.68	70.98	
5,551.00					2/10/2004	72.62	70.92	
5,550.34					3/28/2004	73.28	71.58	
5,551.54					4/12/2004	72.08	70.38	
5,551.89					5/13/2004	71.73	70.03	
5,551.94					6/18/2004	71.68	69.98	
5,552.49					7/28/2004	71.13	69.43	
5,552.74					8/30/2004	70.88	69.18	
5,553.01					9/16/2004	70.61	68.91	
5,553.11					10/11/2004	70.51	68.81	
5,553.19					11/16/2004	70.43	68.73	
5,553.53					12/22/2004	70.09	68.39	
5,553.31					1/18/2005	70.31	68.61	
5,553.84					2/28/2005	69.78	68.08	
5,554.04					3/15/2005	69.58	67.88	
5,554.23					4/26/2005	69.39	67.69	
5,553.87					5/24/2005	69.75	68.05	
5,554.46					6/30/2005	69.16	67.46	
5,554.57					7/29/2005	69.05	67.35	

Water Levels and Data over Time

White Mesa Mill - Well TW4-11

Water Elevation (WL)	Land Surface (LSD)	Measuring Point			Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
		Elevation (MP)	Length Of Riser (L)	Date Of Monitoring				
5,553.86				9/12/2005	69.76	68.06		
5,555.30				12/7/2005	68.32	66.62		
5,556.20				3/8/2006	67.42	65.72		
5,556.48				6/14/2006	67.14	65.44		
5,556.37				7/18/2006	67.25	65.55		
5,556.94				11/7/2006	66.68	64.98		
5,557.92				2/27/2007	65.7	64		
5,557.84				5/2/2007	65.78	64.08		
5,558.02				8/15/2007	65.60	63.90		
5,557.13				10/10/2007	66.49	64.79		
5,569.74				3/26/2008	53.88	52.18		
5,561.01				6/24/2008	62.61	60.91		
5,562.07				8/26/2008	61.55	59.85		
5,562.47				10/14/2008	61.15	59.45		
5,563.80				3/10/2009	59.82	58.12		
5,564.27				6/24/2009	59.35	57.65		
5,564.32				9/10/2009	59.3	57.60		
5,564.70				12/11/2009	58.92	57.22		

Water Levels and Data over Time
White Mesa Mill - Well TW4-12

Water Elevation (WL)	Land Surface (LSD)	Measuring			Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring		Total Depth to Water (blw.LSD)	Total Depth to Water (blw.LSD)	
5,622.38	5,624.03	1.65					121.33	
5,580.71				8/23/2002	43.32	41.67		
5,581.34				9/11/2002	42.69	41.04		
5,581.13				10/23/2002	42.90	41.25		
5,581.27				11/22/2002	42.76	41.11		
5,581.35				12/3/2002	42.68	41.03		
5,582.38				1/9/2003	41.65	40.00		
5,582.27				2/12/2003	41.76	40.11		
5,582.51				3/26/2003	41.52	39.87		
5,581.91				4/2/2003	42.12	40.47		
5,582.72				5/1/2003	41.31	39.66		
5,582.93				6/9/2003	41.10	39.45		
5,583.01				7/7/2003	41.02	39.37		
5,583.11				8/4/2003	40.92	39.27		
5,583.35				9/11/2003	40.68	39.03		
5,583.52				10/2/2003	40.51	38.86		
5,583.57				11/7/2003	40.46	38.81		
5,583.81				12/3/2003	40.22	38.57		
5,584.17				1/15/2004	39.86	38.21		
5,584.19				2/10/2004	39.84	38.19		
5,584.31				3/28/2004	39.72	38.07		
5,584.70				4/12/2004	39.33	37.68		
5,584.68				5/13/2004	39.35	37.70		
5,584.73				6/18/2004	39.30	37.65		
5,585.16				7/28/2004	38.87	37.22		
5,585.18				8/30/2004	38.85	37.20		
5,585.29				9/16/2004	38.74	37.09		
5,585.65				10/11/2004	38.38	36.73		
5,585.71				11/16/2004	38.32	36.67		
5,586.15				12/22/2004	37.88	36.23		
5,585.94				1/18/2005	38.09	36.44		
5,586.36				2/28/2005	37.67	36.02		
5,586.75				3/15/2005	37.28	35.63		
5,587.00				4/26/2005	37.03	35.38		
5,587.15				5/24/2005	36.88	35.23		
5,587.38				6/30/2005	36.65	35.00		
5,587.38				7/29/2005	36.65	35.00		
5,587.74				9/12/2005	36.29	34.64		
5,588.23				12/7/2005	35.80	34.15		
5,588.72				3/8/2006	35.31	33.66		
5,588.14				6/13/2006	35.89	34.24		
5,588.13				7/18/2006	35.90	34.25		
5,584.50				11/7/2006	39.53	37.88		
5588.65				2/27/2007	35.38	33.73		

Water Levels and Data over Time

White Mesa Mill - Well TW4-12

Water Levels and Data over Time
White Mesa Mill - Well TW4-13

Water Elevation (WL)	Land Surface (LSD)	Measuring			Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring		Total Depth to Water (blw.LSD)	Total Depth to Water (blw.LSD)	
5,529.66					8/23/2002	90.28	88.43	
5,530.66					9/11/2002	89.28	87.43	
5,529.10					10/23/2002	90.84	88.99	
5,530.58					11/22/2002	89.36	87.51	
5,530.61					12/3/2002	89.33	87.48	
5,529.74					1/9/2003	90.20	88.35	
5,531.03					2/12/2003	88.91	87.06	
5,531.82					3/26/2003	88.12	86.27	
5,524.63					4/2/2003	95.31	93.46	
5,531.54					5/1/2003	88.40	86.55	
5,538.46					6/9/2003	81.48	79.63	
5,539.38					7/7/2003	80.56	78.71	
5,540.72					8/4/2003	79.22	77.37	
5,541.25					9/11/2003	78.69	76.84	
5,541.34					10/2/2003	78.60	76.75	
5,541.69					11/7/2003	78.25	76.40	
5,541.91					12/3/2003	78.03	76.18	
5,542.44					1/15/2004	77.50	75.65	
5,542.47					2/10/2004	77.47	75.62	
5,542.84					3/28/2004	77.10	75.25	
5,543.08					4/12/2004	76.86	75.01	
5,543.34					5/13/2004	76.60	74.75	
5,543.40					6/18/2004	76.54	74.69	
5,544.06					7/28/2004	75.88	74.03	
5,544.61					8/30/2004	75.33	73.48	
5,545.23					9/16/2004	74.71	72.86	
5,546.20					10/11/2004	73.74	71.89	
5,547.43					11/16/2004	72.51	70.66	
5,548.96					12/22/2004	70.98	69.13	
5,549.02					1/18/2005	70.92	69.07	
5,550.66					2/28/2005	69.28	67.43	
5,551.26					3/15/2005	68.68	66.83	
5,552.23					4/26/2005	67.71	65.86	
5,552.87					5/24/2005	67.07	65.22	
5,553.42					6/30/2005	66.52	64.67	
5,554.00					7/29/2005	65.94	64.09	
5,555.21					9/12/2005	64.73	62.88	
5,558.13					12/7/2005	61.81	59.96	
5,562.93					3/8/2006	57.01	55.16	
5,564.39					6/13/2006	55.55	53.70	
5,562.09					7/18/2006	57.85	56.00	
5,565.49					11/7/2006	54.45	52.60	
5571.08					2/27/2007	48.86	47.01	

Water Levels and Data over Time

White Mesa Mill - Well TW4-13

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
5,518.90	5,610.92	5,612.77	1.85	8/23/2002	93.87	92.02	
5,519.28				9/11/2002	93.49	91.64	
5,519.95				10/23/2002	92.82	90.97	
5,520.32				11/22/2002	92.45	90.60	
5,520.42				12/3/2002	92.35	90.50	
5,520.70				1/9/2003	92.07	90.22	
5,520.89				2/12/2003	91.88	90.03	
5,521.12				3/26/2003	91.65	89.80	
5,521.12				4/2/2003	91.65	89.80	
5,521.24				5/1/2003	91.53	89.68	
5,521.34				6/9/2003	91.43	89.58	
5,521.36				7/7/2003	91.41	89.56	
5,521.35				8/4/2003	91.42	89.57	
5,521.30				9/11/2003	91.47	89.62	
5,521.35				10/2/2003	91.42	89.57	
5,521.36				11/7/2003	91.41	89.56	
5,521.16				12/3/2003	91.61	89.76	
5,521.29				1/15/2004	91.48	89.63	
5,521.36				2/10/2004	91.41	89.56	
5,521.46				3/28/2004	91.31	89.46	
5,521.54				4/12/2004	91.23	89.38	
5,521.59				5/13/2004	91.18	89.33	
5,521.69				6/18/2004	91.08	89.23	
5,521.71				7/28/2004	91.06	89.21	
5,521.76				8/30/2004	91.01	89.16	
5,521.77				9/16/2004	91.00	89.15	
5,521.79				10/11/2004	90.98	89.13	
5,521.80				11/16/2004	90.97	89.12	
5,521.82				12/22/2004	90.95	89.10	
5,521.82				1/18/2005	90.95	89.10	
5,521.86				2/28/2005	90.91	89.06	
5,521.85				3/15/2005	90.92	89.07	
5,521.91				4/26/2005	90.86	89.01	
5,521.93				5/24/2005	90.84	88.99	
5,521.94				6/30/2005	90.83	88.98	
5,521.84				7/29/2005	90.93	89.08	
5,521.99				9/12/2005	90.78	88.93	
5,522.04				12/7/2005	90.73	88.88	
5,522.05				3/8/2006	90.72	88.87	
5,522.27				6/13/2006	90.50	88.65	
5,521.92				7/18/2006	90.85	89.00	
5,520.17				11/7/2006	92.60	90.75	
5522.24				2/27/2007	90.53	88.68	

Water Levels and Data over Time

White Mesa Mill - Well TW4-14

Water Levels and Data over Time
White Mesa Mill - Well TW4-15 (MW-26)

Water Elevation (WL)	Land Surface (LSD)	Measuring		Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)				
5,574.75	5,624.15	5,625.45	1.30	8/23/2002	50.70	49.40	TRUE
5,574.97				9/11/2002	50.48	49.18	
5,575.10				10/23/2002	50.35	49.05	
5,574.99				11/22/2002	50.46	49.16	
5,575.28				12/3/2002	50.17	48.87	
5,575.41				1/9/2003	50.04	48.74	
5,575.43				2/12/2003	50.02	48.72	
5,575.63				3/26/2003	49.82	48.52	
5,575.91				4/2/2003	49.54	48.24	
5,575.81				5/1/2003	49.64	48.34	
5,572.36				6/9/2003	53.09	51.79	
5,570.70				7/7/2003	54.75	53.45	
5,570.29				8/4/2003	55.16	53.86	
5,560.94				9/11/2003	64.51	63.21	
5,560.63				10/2/2003	64.82	63.52	
5,560.56				11/7/2003	64.89	63.59	
5,564.77				12/3/2003	60.68	59.38	
5,570.89				1/15/2004	54.56	53.26	
5,572.55				2/10/2004	52.90	51.60	
5,574.25				3/28/2004	51.20	49.90	
5,574.77				4/12/2004	50.68	49.38	
5,575.53				5/13/2004	49.92	48.62	
5,575.59				6/18/2004	49.86	48.56	
5,576.82				7/28/2004	48.63	47.33	
5,527.47				9/16/2004	97.98	96.68	
5,553.97				11/16/2004	71.48	70.18	
5,562.33				12/22/2004	63.12	61.82	
5,550.00				1/18/2005	75.45	74.15	
5,560.02				4/26/2005	65.43	64.13	
5,546.11				5/24/2005	79.34	78.04	
5,556.71				6/30/2005	68.74	67.44	
5,554.95				7/29/2005	70.50	69.20	
5,555.48				9/12/2005	69.97	68.67	
5,551.09				12/7/2005	74.36	73.06	
5,552.85				3/8/2006	72.60	71.30	
5,554.30				6/13/2006	71.15	69.85	
5,554.87				7/18/2006	70.58	69.28	
5,550.88				11/7/2006	74.57	73.27	
5,558.77				2/27/2007	66.68	65.38	
5,548.54				5/2/2007	76.91	75.61	
5,551.33				10/10/2007	74.12	72.82	
5,545.56				3/26/2008	79.89	78.59	
5,545.56				6/25/2008	79.89	78.59	

Water Levels and Data over Time
White Mesa Mill - Well TW4-15 (MW-26)

Water Elevation (WL)	Land Surface (LSD)	Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured	Total Depth to Water	Total Depth to Water	Total Depth Of Well
					(blw.MP)	(blw.LSD)		
5,624.15	5,625.45		1.30					121.33
5,545.82				8/26/2008	79.63	78.33		
5,545.64				10/14/2008	79.81	78.51		
5,544.45				3/3/2009	81.00	79.70		
5,545.32				6/24/2009	80.13	78.83		
5,544.61				9/10/2009	80.84	79.54		
5,549.33				12/11/2009	76.12	74.82		

Water Levels and Data over Time
White Mesa Mill - Well TW4-16

Water Elevation (WL)	Land Surface (LSD)	Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured	Total Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
5,562.91				8/23/2002	61.11	59.28		
5,563.45				9/11/2002	60.57	58.74		
5,563.75				10/23/2002	60.27	58.44		
5,563.68				11/22/2002	60.34	58.51		
5,563.68				12/3/2002	60.34	58.51		
5,564.16				1/9/2003	59.86	58.03		
5,564.25				2/12/2003	59.77	57.94		
5,564.53				3/26/2003	59.49	57.66		
5,564.46				4/2/2003	59.56	57.73		
5,564.79				5/1/2003	59.23	57.40		
5,564.31				6/9/2003	59.71	57.88		
5,563.29				7/7/2003	60.73	58.90		
5,562.76				8/4/2003	61.26	59.43		
5,561.73				9/11/2003	62.29	60.46		
5,561.04				10/2/2003	62.98	61.15		
5,560.39				11/7/2003	63.63	61.80		
5,559.79				12/3/2003	64.23	62.40		
5,561.02				1/15/2004	63.00	61.17		
5,561.75				2/10/2004	62.27	60.44		
5,562.98				3/28/2004	61.04	59.21		
5,563.29				4/12/2004	60.73	58.90		
5,564.03				5/13/2004	59.99	58.16		
5,564.09				6/18/2004	59.93	58.10		
5,565.08				7/28/2004	58.94	57.11		
5,564.56				8/30/2004	59.46	57.63		
5,563.55				9/16/2004	60.47	58.64		
5,561.79				10/11/2004	62.23	60.40		
5,560.38				11/16/2004	63.64	61.81		
5,559.71				12/22/2004	64.31	62.48		
5,559.14				1/18/2005	64.88	63.05		
5,558.65				2/28/2005	65.37	63.54		
5,558.54				3/15/2005	65.48	63.65		
5,558.22				4/26/2005	65.80	63.97		
5,558.54				5/24/2005	65.48	63.65		
5,559.24				6/30/2005	64.78	62.95		
5,559.38				7/29/2005	64.64	62.81		
5,559.23				9/12/2005	64.79	62.96		
5,557.67				12/7/2005	66.35	64.52		
5,557.92				3/8/2006	66.10	64.27		
5,558.47				6/13/2006	65.55	63.72		
5,558.42				7/18/2006	65.60	63.77		
5,558.09				11/7/2006	65.93	64.10		
5557.34				2/27/2007	66.68	64.85		

Water Levels and Data over Time
White Mesa Mill - Well TW4-16

Water Elevation (WL)	Land Surface (LSD)	Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured	Total Depth to Water	Total Depth to Water	Total Depth Of Well
					(blw.MP)	(blw.LSD)		
5,622.19	5,624.02	1.83						121.33
5,547.11				5/2/2007	76.91	75.08		
5,558.52				8/14/2007	65.5	63.67		
5,559.02				10/10/2007	65.00	63.17		
5,561.04				3/26/2008	62.98	61.15		
5,560.06				6/24/2008	63.96	62.13		
5,559.32				8/26/2008	64.7	62.87		
5,558.89				10/14/2008	65.13	63.30		
5,558.40				3/3/2009	65.62	63.79		
5,558.32				6/24/2009	65.7	63.87		
5,558.03				9/10/2009	65.99	64.16		
5,558.81				12/11/2009	65.21	63.38		

Water Levels and Data over Time
White Mesa Mill - Well TW4-17 (MW-32)

Water Elevation (WL)	Land Surface (LSD)	Measuring Point			Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
		Elevation (MP)	Length Of Riser (L)	Date Of Monitoring		Total Depth to Water (blw.LSD)		
5,542.17	5,623.41	5,625.24	1.83		8/23/2002	83.07	81.24	
5,542.39					9/11/2002	82.85	81.02	
5,542.61					10/23/2002	82.63	80.80	
5,542.49					11/22/2002	82.75	80.92	
5,542.82					12/3/2002	82.42	80.59	
5,543.03					1/9/2003	82.21	80.38	
5,543.04					2/12/2003	82.20	80.37	
5,543.41					3/26/2003	81.83	80.00	
5,543.69					4/2/2003	81.55	79.72	
5,543.77					5/1/2003	81.47	79.64	
5,544.01					6/9/2003	81.23	79.40	
5,544.05					7/7/2003	81.19	79.36	
5,543.99					8/4/2003	81.25	79.42	
5,544.17					9/11/2003	81.07	79.24	
5,544.06					10/2/2003	81.18	79.35	
5,544.03					11/7/2003	81.21	79.38	
5,543.94					12/3/2003	81.30	79.47	
5,543.98					1/15/2004	81.26	79.43	
5,543.85					2/10/2004	81.39	79.56	
5,544.05					3/28/2004	81.19	79.36	
5,544.33					4/12/2004	80.91	79.08	
5,544.55					5/13/2004	80.69	78.86	
5,544.59					6/18/2004	80.65	78.82	
5,545.08					7/28/2004	80.16	78.33	
5,545.26					8/30/2004	79.98	78.15	
5,545.48					9/16/2004	79.76	77.93	
5,545.61					10/11/2004	79.63	77.80	
5,545.46					11/16/2004	79.78	77.95	
5,545.66					12/22/2004	79.58	77.75	
5,545.33					1/18/2005	79.91	78.08	
5,545.51					2/28/2005	79.73	77.90	
5,545.57					3/15/2005	79.67	77.84	
5,545.46					4/26/2005	79.78	77.95	
5,545.45					5/24/2005	79.79	77.96	
5,545.33					6/30/2005	79.91	78.08	
5,545.16					7/29/2005	80.08	78.25	
5,545.54					9/12/2005	79.70	77.87	
5,545.77					12/7/2005	79.47	77.64	
5,546.09					3/8/2006	79.15	77.32	
5,545.94					6/13/2006	79.30	77.47	
5,545.94					7/18/2006	79.30	77.47	
5,546.24					11/7/2006	79.00	77.17	
5546.81					2/27/2007	78.43	76.6	

Water Levels and Data over Time

White Mesa Mill - Well TW4-17 (MW-32)

Water Levels and Data over Time
White Mesa Mill - Well TW4-18

Water Elevation (WL)	Land Surface (LSD)	Measuring			Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring				
5,585.13	5,639.13	5,641.28	2.15		8/23/2002	56.15	54.00	
5,585.41					9/11/2002	55.87	53.72	
5,585.47					10/23/2002	55.81	53.66	
5,585.40					11/22/2002	55.88	53.73	
5,585.68					12/3/2002	55.60	53.45	
5,585.90					1/9/2003	55.38	53.23	
5,590.79					2/12/2003	50.49	48.34	
5,586.18					3/26/2003	55.10	52.95	
5,586.36					4/2/2003	54.92	52.77	
5,586.24					5/1/2003	55.04	52.89	
5,584.93					6/9/2003	56.35	54.20	
5,584.46					7/7/2003	56.82	54.67	
5,584.55					8/4/2003	56.73	54.58	
5,584.01					9/11/2003	57.27	55.12	
5,583.67					10/2/2003	57.61	55.46	
5,583.50					11/7/2003	57.78	55.63	
5,584.08					12/3/2003	57.20	55.05	
5,585.45					1/15/2004	55.83	53.68	
5,585.66					2/10/2004	55.62	53.47	
5,586.13					3/28/2004	55.15	53.00	
5,586.39					4/12/2004	54.89	52.74	
5,586.66					5/13/2004	54.62	52.47	
5,586.77					6/18/2004	54.51	52.36	
5,587.35					7/28/2004	53.93	51.78	
5,586.34					8/30/2004	54.94	52.79	
5,585.85					9/16/2004	55.43	53.28	
5,585.22					10/11/2004	56.06	53.91	
5,584.70					11/16/2004	56.58	54.43	
5,584.81					12/22/2004	56.47	54.32	
5,584.68					1/18/2005	56.60	54.45	
5,585.02					2/28/2005	56.26	54.11	
5,585.25					3/15/2005	56.03	53.88	
5,586.31					4/26/2005	54.97	52.82	
5,586.97					5/24/2005	54.31	52.16	
5,586.58					6/30/2005	54.70	52.55	
5,586.10					7/29/2005	55.18	53.03	
5,586.05					9/12/2005	55.23	53.08	
5,585.86					12/7/2005	55.42	53.27	
5,587.13					3/8/2006	54.15	52.00	
5,585.93					6/13/2006	55.35	53.20	
5,585.40					7/18/2006	55.88	53.73	
5,585.38					11/7/2006	55.90	53.75	
5585.83					2/27/2007	55.45	53.30	

Water Levels and Data over Time
White Mesa Mill - Well TW4-18

Water Elevation (WL)	Land Surface (LSD)	Measuring			Date Of Monitoring	Total or Measured	Total Depth to Water	Total Depth to Water	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring		Depth to Water (blw.MP)	Depth to Water (blw.LSD)	Total Depth Of Well	
5,639.13	5,641.28	2.15							121.33
5585.15				5/2/2007	56.13	53.98			
5586.47				6/24/2008	54.81	52.66			
5586.3				8/26/2008	54.98	52.83			
5585.21				10/14/2008	56.07	53.92			
5584.47				3/3/2009	56.81	54.66			
5584.35				6/24/2009	56.93	54.78			
5583.88				9/10/2009	57.4	55.25			
5584.43				12/11/2009	56.85	54.70			

Water Levels and Data over Time
White Mesa Mill - Well TW4-19

Water Elevation (WL)	Land Surface (LSD)	Measuring			Date Of Monitoring	Depth to Water (blw.MP)	Total or Measured	Total Depth to Water (blw.LSD)	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)						
5,581.88	5,629.53	5,631.39	1.86		8/23/2002	49.51	47.65		
5,582.14					9/11/2002	49.25	47.39		
5,582.06					10/23/2002	49.33	47.47		
5,582.07					11/22/2002	49.32	47.46		
5,582.16					12/3/2002	49.23	47.37		
5,582.28					1/9/2003	49.11	47.25		
5,582.29					2/12/2003	49.10	47.24		
5,582.74					3/26/2003	48.65	46.79		
5,582.82					4/2/2003	48.57	46.71		
5,548.47					5/1/2003	82.92	81.06		
5,564.76					6/9/2003	66.63	64.77		
5,562.53					7/7/2003	68.86	67.00		
5,564.10					8/4/2003	67.29	65.43		
5,566.01					8/30/2004	65.38	63.52		
5,555.16					9/16/2004	76.23	74.37		
5,549.80					10/11/2004	81.59	79.73		
5,546.04					11/16/2004	85.35	83.49		
5,547.34					12/22/2004	84.05	82.19		
5,548.77					1/18/2005	82.62	80.76		
5,551.18					2/28/2005	80.21	78.35		
5,556.81					3/15/2005	74.58	72.72		
5,562.63					4/26/2005	68.76	66.90		
5,573.42					5/24/2005	57.97	56.11		
5,552.94					7/29/2005	78.45	76.59		
5,554.00					9/12/2005	77.39	75.53		
5,555.98					12/7/2005	75.41	73.55		
5,552.00					3/8/2006	79.39	77.53		
5,545.74					6/13/2006	85.65	83.79		
5,544.06					7/18/2006	87.33	85.47		
5,548.81					11/7/2006	82.58	80.72		
5543.59					2/27/2007	87.8	85.94		
5544.55					5/2/2007	86.84	84.98		
5558.97					8/15/2007	72.42	70.56		
5559.73					10/10/2007	71.66	69.8		
5569.26					3/26/2008	62.13	60.27		
5535.47					6/25/2008	95.92	94.06		
5541.41					8/26/2008	89.98	88.12		
5558.45					10/14/2008	72.94	71.08		
5536.9					3/3/2009	94.49	92.63		
5547.76					6/24/2009	83.63	81.77		
5561.48					9/10/2009	69.91	68.05		
5548.14					12/11/2009	83.25	81.39		

Water Levels and Data over Time

White Mesa Mill - Well TW4-20

Water Elevation (WL)	Land Surface (LSD)	Measuring Point			Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth of Well
		Elevation (MP)	Length Of Riser (L)	Date Of Monitoring				
5,628.52	5,629.53	1.01						106.0
5,565.70				7/29/2005	63.83			
5,546.53				8/30/2005	83.00			
5,540.29				9/12/2005	89.24			
5,541.17				12/7/2005	88.36			
5,540.33				3/8/2006	89.20			
5,530.43				6/13/2006	99.10			
5,569.13				7/18/2006	60.40			
5,547.95				11/7/2006	81.58			
5,550.58				2/27/2007	80.28			
5,563.60				5/2/2007	78.95			
5,555.85				8/14/2007	65.93			
5,569.10				10/10/2007	73.68			
5,560.00				3/26/2008	60.43			
5,539.64				6/25/2008	69.53			
5,539.51				8/26/2008	89.89			
5,553.00				10/14/2008	90.02			
5,534.18				3/3/2009	76.53			
5,558.39				6/24/2009	95.35			
5,560.99				9/10/2009	71.14			
5,629.53				12/11/2009	68.54			

Water Levels and Data over Time

White Mesa Mill - Well TW4-21

Water Elevation (WL)	Land Surface (LSD)	Measuring Point			Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth of Well
		Elevation (MP)	Length Of Riser (L)	Date Of Monitoring		Total Depth to Water (blw.LSD)	Total Depth of Well	
5,638.20	5,639.35	1.15						120.92
5,582.98				7/29/2005		56.37		
5,583.43				8/30/2005		55.92		
5,581.87				9/12/2005		57.48		
5,580.50				12/7/2005		58.85		
5,583.64				3/8/2006		55.71		
5,580.55				6/13/2006		58.80		
5,578.95				7/18/2006		60.40		
5,578.47				11/7/2006		60.88		
5,579.53				2/27/2007		59.82		
5,578.07				5/2/2007		61.28		
5,583.41				8/15/2007		55.94		
5,583.45				10/10/2007		55.9		
5,586.47				3/26/2008		52.88		
5,579.16				6/24/2008		60.19		
5,579.92				8/26/2008		59.43		
5,577.37				10/14/2008		61.98		
5,578.00				3/10/2009		61.35		
5,580.14				6/24/2009		59.21		
5,578.72				9/10/2009		60.63		
5,579.99				12/11/2009		59.36		

Water Levels and Data over Time
White Mesa Mill - Well TW4-22

Water Elevation (WL)	Land Surface (LSD)	Measuring			Date Of Monitoring	Total or Measured	Total Depth to Water	Total Depth to Water	Total Depth Of Well
		Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring		Depth to Water (blw.MP)	Depth to Water (blw.LSD)	Total Depth Of Well	
5,571.89					7/29/2005	57.11			
5,572.20					8/30/2005	56.80			
5,572.08					9/12/2005	56.92			
5,571.61					12/7/2005	57.39			
5,571.85					3/8/2006	57.15			
5,571.62					6/13/2006	57.38			
5,571.42					7/18/2006	57.58			
5,571.02					11/7/2006	57.98			
5571.24					2/27/2007	57.76			
5,570.75					6/29/2007	58.25			
5,571.82					8/14/2007	57.18			
5,571.99					10/10/2007	57.01			
5,573.05					3/26/2008	55.95			
5,573.04					6/24/2008	55.96			
5,573.04					8/26/2008	55.96			
5,573.02					10/14/2008	55.98			
5,573.19					3/10/2009	55.81			
5,573.32					6/24/2009	55.68			
5,573.17					9/10/2009	55.83			
5,573.52					12/11/2009	55.48			

Water Levels and Data over Time
White Mesa Mill - Well TW4-23

Date	Depth	Elevation
09/13/2007	68.48	5539.12
10/10/2007	68.57	5539.04
11/30/2007	68.12	5539.49
12/11/2007	67.88	5539.73
01/08/2008	68.18	5539.43
02/18/2008	67.93	5539.68
03/26/2008	67.83	5539.78
04/23/2008	67.66	5539.95
05/30/2008	67.89	5539.72
06/24/2008	67.84	5539.77
07/16/2008	67.93	5539.68
08/26/2008	67.69	5539.92
09/10/2008	66.19	5541.42
10/14/2008	67.8	5539.81
11/26/2008	68.08	5539.53
12/29/2008	67.82	5539.79
01/26/2009	67.22	5540.39
02/24/2009	67.63	5539.98
03/06/2009	67.51	5540.10
04/07/2009	67.65	5539.96
05/29/2009	67.53	5540.08
06/30/2009	67.25	5540.36
07/31/2009	67.25	5540.36
08/31/2009	67.1	5540.51
09/10/2009	67.24	5540.37
12/11/2009	66.73	5540.37

Water Levels and Data over Time
White Mesa Mill - Well TW4-24

Date	Depth	Elevation
09/13/2007	57.22	5568.48
10/10/2007	57.30	5568.40
11/30/2007	56.67	5569.03
12/11/2007	56.53	5569.17
01/08/2008	56.80	5568.90
02/18/2008	56.61	5569.09
03/26/2008	56.40	5569.30
04/23/2008	56.15	5569.55
05/30/2008	56.31	5569.39
06/24/2008	56.49	5569.21
07/16/2008	56.55	5569.15
08/26/2008	56.49	5569.21
09/10/2008	56.6	5569.10
10/14/2008	56.71	5568.99
11/26/2008	56.88	5568.82
12/29/2008	56.91	5568.79
01/26/2009	56.18	5569.52
02/24/2009	56.52	5569.18
03/06/2009	56.46	5569.24
04/07/2009	56.62	5569.08
05/29/2009	56.6	5569.10
06/30/2009	56.41	5569.29
07/31/2009	56.45	5569.25
08/31/2009	56.35	5569.35
09/10/2009	56.55	5569.15
12/11/2009	56.19	5569.51

Water Levels and Data over Time
White Mesa Mill - Well TW4-25

Date	Depth	Elevation
09/13/2007	43.05	5601.86
10/10/2007	43.02	5601.89
11/30/2007	42.34	5602.57
12/11/2007	42.09	5602.82
01/08/2008	42.97	5601.94
02/18/2008	45.78	5599.13
03/26/2008	47.80	5597.11
04/23/2008	49.40	5595.51
05/30/2008	50.49	5594.42
06/24/2008	50.65	5594.26
07/16/2008	58.24	5586.67
08/26/2008	50.74	5594.17
09/10/2008	50.68	5594.23
10/14/2008	50.79	5594.12
11/26/2008	50.85	5594.06
12/29/2008	50.04	5594.87
01/26/2009	49.02	5595.89
02/24/2009	48.64	5596.27
03/06/2009	48.44	5596.47
04/07/2009	48.17	5596.74
05/29/2009	47.36	5597.55
06/30/2009	46.8	5598.11
07/31/2009	46.69	5598.22
08/31/2009	46.39	5598.52
09/10/2009	46.42	5598.49
12/11/2009	45.43	5599.48



LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120647-002
Client Sample ID: MW-4

Report Date: 01/06/10
Collection Date: 12/14/09 14:00
Date Received: 12/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	44	mg/L		1	A4500-Cl B	12/28/09 11:03 / ja	
Nitrogen, Nitrate+Nitrite as N	5.8	mg/L		0.2	E353.2	12/28/09 13:25 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	1.6	ug/L		1.0	SW8260B	12/22/09 04:36 / jlr	
Chloroform	1800	ug/L		100	SW8260B	12/21/09 15:00 / jlr	
Chloromethane	ND	ug/L		1.0	SW8260B	12/22/09 04:36 / jlr	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/22/09 04:36 / jlr	
Surr: Dibromofluoromethane	107	%REC		70-130	SW8260B	12/22/09 04:36 / jlr	
Surr: p-Bromofluorobenzene	105	%REC		80-120	SW8260B	12/22/09 04:36 / jlr	
Surr: Toluene-d8	100	%REC		80-120	SW8260B	12/22/09 04:36 / jlr	
Surr: 1,2-Dichlorobenzene-d4	111	%REC		80-120	SW8260B	12/22/09 04:36 / jlr	

Additional Lab Results



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ANALYTICAL SUMMARY REPORT

January 11, 2010

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

Workorder No.: C09120896 Quote ID: C2975 - Chloroform Sampling

Project Name: 4th Quarter Chloroform

Energy Laboratories, Inc. received the following 14 samples for Denison Mines (USA) Corp on 12/30/2009 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C09120896-001	TW4-11R	12/28/09 08:20	12/30/09	Aqueous	Chloride Nitrogen, Nitrate + Nitrite SW8260B VOCs, Standard List
C09120896-002	TW4-7R	12/28/09 10:00	12/30/09	Aqueous	Same As Above
C09120896-003	TW4-1R	12/28/09 11:03	12/30/09	Aqueous	Same As Above
C09120896-004	TW4-4R	12/28/09 11:57	12/30/09	Aqueous	Same As Above
C09120896-005	TW4-22R	12/28/09 13:02	12/30/09	Aqueous	Same As Above
C09120896-006	TW4-2R	12/28/09 14:02	12/30/09	Aqueous	Same As Above
C09120896-007	TW4-70	12/29/09 08:25	12/30/09	Aqueous	Same As Above
C09120896-008	TW4-11	12/29/09 08:15	12/30/09	Aqueous	Same As Above
C09120896-009	TW4-7	12/29/09 08:36	12/30/09	Aqueous	Same As Above
C09120896-010	TW4-1	12/29/09 08:46	12/30/09	Aqueous	Same As Above
C09120896-011	TW4-4	12/29/09 08:54	12/30/09	Aqueous	Same As Above
C09120896-012	TW4-22	12/29/09 08:03	12/30/09	Aqueous	Same As Above
C09120896-013	TW4-2	12/29/09 08:25	12/30/09	Aqueous	Same As Above
C09120896-014	Trip Blank	12/29/09 00:00	12/30/09	Aqueous	SW8260B VOCs, Standard List

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

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

Report Approved By:

Stephanie D. Waldrop
Reporting Supervisor



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120896-001
Client Sample ID: TW4-11R

Report Date: 01/11/10
Collection Date: 12/28/09 08:20
Date Received: 12/30/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1	A4500-CI B	SW8260B	12/31/09 15:48 / ljl
Nitrogen, Nitrate+Nitrite as N	0.1	mg/L		0.1	E353.2	SW8260B	01/05/10 12:07 / jal
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	SW8260B	01/04/10 18:10 / wen
Chloroform	ND	ug/L		1.0	SW8260B	SW8260B	01/04/10 18:10 / wen
Chloromethane	ND	ug/L		1.0	SW8260B	SW8260B	01/04/10 18:10 / wen
Methylene chloride	ND	ug/L		1.0	SW8260B	SW8260B	01/04/10 18:10 / wen
Surr: Dibromofluoromethane	103	%REC		70-130	SW8260B	SW8260B	01/04/10 18:10 / wen
Surr: p-Bromofluorobenzene	108	%REC		80-120	SW8260B	SW8260B	01/04/10 18:10 / wen
Surr: Toluene-d8	104	%REC		80-120	SW8260B	SW8260B	01/04/10 18:10 / wen
Surr: 1,2-Dichlorobenzene-d4	107	%REC		80-120	SW8260B	SW8260B	01/04/10 18:10 / wen

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120896-002
Client Sample ID: TW4-7R

Report Date: 01/11/10
Collection Date: 12/28/09 10:00
Date Received: 12/30/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1	A4500-Cl B	12/31/09 15:54 / jji	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1	E353.2	01/05/10 12:09 / jaf	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	01/04/10 18:50 / wen	
Chloroform	1.1	ug/L		1.0	SW8260B	01/04/10 18:50 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	01/04/10 18:50 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	01/04/10 18:50 / wen	
Surr: Dibromofluoromethane	102	%REC		70-130	SW8260B	01/04/10 18:50 / wen	
Surr: p-Bromofluorobenzene	109	%REC		80-120	SW8260B	01/04/10 18:50 / wen	
Surr: Toluene-d8	105	%REC		80-120	SW8260B	01/04/10 18:50 / wen	
Surr: 1,2-Dichlorobenzene-d4	105	%REC		80-120	SW8260B	01/04/10 18:50 / wen	

Report Definitions: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120896-003
Client Sample ID: TW4-1R

Report Date: 01/11/10
Collection Date: 12/28/09 11:03
Date Received: 12/30/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1	A4500-Cl B	12/31/09 15:58 / jji	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1	E353.2	01/06/10 12:20 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	01/04/10 22:49 / wen	
Chloroform	1.9	ug/L		1.0	SW8260B	01/04/10 22:49 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	01/04/10 22:49 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	01/04/10 22:49 / wen	
Surr: Dibromofluoromethane	111	%REC		70-130	SW8260B	01/04/10 22:49 / wen	
Surr: p-Bromofluorobenzene	110	%REC		80-120	SW8260B	01/04/10 22:49 / wen	
Surr: Toluene-d8	106	%REC		80-120	SW8260B	01/04/10 22:49 / wen	
Surr: 1,2-Dichlorobenzene-d4	107	%REC		80-120	SW8260B	01/04/10 22:49 / wen	

Report Definitions: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120896-004
Client Sample ID: TW4-4R

Report Date: 01/11/10
Collection Date: 12/28/09 11:57
Date Received: 12/30/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1	A4500-Cl B	12/31/09 16:00 / lji	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1	E353.2	01/05/10 12:21 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	01/04/10 23:28 / wen	
Chloroform	2.3	ug/L		1.0	SW8260B	01/04/10 23:28 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	01/04/10 23:28 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	01/04/10 23:28 / wen	
Surr: Dibromofluoromethane	98.0	%REC		70-130	SW8260B	01/04/10 23:28 / wen	
Surr: p-Bromofluorobenzene	110	%REC		80-120	SW8260B	01/04/10 23:28 / wen	
Surr: Toluene-d8	105	%REC		80-120	SW8260B	01/04/10 23:28 / wen	
Surr: 1,2-Dichlorobenzene-d4	105	%REC		80-120	SW8260B	01/04/10 23:28 / wen	

Report Definitions: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120896-005
Client Sample ID: TW4-22R

Report Date: 01/11/10
Collection Date: 12/28/09 13:02
Date Received: 12/30/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1	A4500-C1 B	SW8260B	12/31/09 16:02 / jjl
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1	E353.2	SW8260B	01/05/10 12:24 / jal
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	SW8260B	01/05/10 00:08 / wen
Chloroform	2.8	ug/L		1.0	SW8260B	SW8260B	01/05/10 00:08 / wen
Chloromethane	ND	ug/L		1.0	SW8260B	SW8260B	01/05/10 00:08 / wen
Methylene chloride	ND	ug/L		1.0	SW8260B	SW8260B	01/05/10 00:08 / wen
Surr: Dibromofluoromethane	103	%REC		70-130	SW8260B	SW8260B	01/05/10 00:08 / wen
Surr: p-Bromofluorobenzene	106	%REC		80-120	SW8260B	SW8260B	01/05/10 00:08 / wen
Surr: Toluene-d8	103	%REC		80-120	SW8260B	SW8260B	01/05/10 00:08 / wen
Surr: 1,2-Dichlorobenzene-d4	105	%REC		80-120	SW8260B	SW8260B	01/05/10 00:08 / wen

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp Report Date: 01/11/10
Project: 4th Quarter Chloroform Collection Date: 12/28/09 14:02
Lab ID: C09120896-006 Date Received: 12/30/09
Client Sample ID: TW4-2R Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1	A4500-Cl B	12/31/09 16:06 / jjl	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1	E353.2	01/05/10 12:27 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	01/05/10 00:47 / wen	
Chloroform	8.7	ug/L		1.0	SW8260B	01/05/10 00:47 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	01/05/10 00:47 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	01/05/10 00:47 / wen	
Surr: Dibromofluoromethane	103	%REC		70-130	SW8260B	01/05/10 00:47 / wen	
Surr: p-Bromofluorobenzene	107	%REC		80-120	SW8260B	01/05/10 00:47 / wen	
Surr: Toluene-d8	104	%REC		80-120	SW8260B	01/05/10 00:47 / wen	
Surr: 1,2-Dichlorobenzene-d4	107	%REC		80-120	SW8260B	01/05/10 00:47 / wen	

Report Definitions: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120896-007
Client Sample ID: TW4-70

Report Date: 01/11/10
Collection Date: 12/29/09 08:25
Date Received: 12/30/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	42	mg/L		1	A4500-Cl B	12/31/09 16:10 / jji	
Nitrogen, Nitrate+Nitrite as N	4.4	mg/L		0.2	E353.2	01/05/10 12:29 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	1.9	ug/L		1.0	SW8260B	01/05/10 01:27 / wen	
Chloroform	2500	ug/L		500	SW8260B	01/05/10 15:30 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	01/05/10 01:27 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	01/05/10 01:27 / wen	
Surr: Dibromofluoromethane	104	%REC		70-130	SW8260B	01/05/10 01:27 / wen	
Surr: p-Bromofluorobenzene	108	%REC		80-120	SW8260B	01/05/10 01:27 / wen	
Surr: Toluene-d8	105	%REC		80-120	SW8260B	01/05/10 01:27 / wen	
Surr: 1,2-Dichlorobenzene-d4	105	%REC		80-120	SW8260B	01/05/10 01:27 / wen	

Report Definitions: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120896-008
Client Sample ID: TW4-11

Report Date: 01/11/10
Collection Date: 12/29/09 08:15
Date Received: 12/30/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	46	mg/L		1	A4500-Cl B	12/31/09 16:14 / jji	
Nitrogen, Nitrate+Nitrite as N	6.6	mg/L		0.2	E353.2	01/08/10 11:01 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	01/05/10 02:06 / wen	
Chloroform	860	ug/L		200	SW8260B	01/05/10 16:09 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	01/05/10 02:06 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	01/05/10 02:06 / wen	
Surr: Dibromofluoromethane	104	%REC		70-130	SW8260B	01/05/10 02:06 / wen	
Surr: p-Bromofluorobenzene	107	%REC		80-120	SW8260B	01/05/10 02:06 / wen	
Surr: Toluene-d8	104	%REC		80-120	SW8260B	01/05/10 02:06 / wen	
Surr: 1,2-Dichlorobenzene-d4	105	%REC		80-120	SW8260B	01/05/10 02:06 / wen	

Report Definitions: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120896-009
Client Sample ID: TW4-7

Report Date: 01/11/10
Collection Date: 12/29/09 08:36
Date Received: 12/30/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	37	mg/L		1	A4500-Cl B	12/31/09 16:17 / jjl	
Nitrogen, Nitrate+Nitrite as N	4.2	mg/L		0.2	E353.2	01/08/10 11:03 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	01/05/10 02:46 / wen	
Chloroform	1300	ug/L		200	SW8260B	01/05/10 16:47 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	01/05/10 02:46 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	01/05/10 02:46 / wen	
Surr: Dibromofluoromethane	112	%REC		70-130	SW8260B	01/05/10 02:46 / wen	
Surr: p-Bromofluorobenzene	105	%REC		80-120	SW8260B	01/05/10 02:46 / wen	
Surr: Toluene-d8	105	%REC		80-120	SW8260B	01/05/10 02:46 / wen	
Surr: 1,2-Dichlorobenzene-d4	105	%REC		80-120	SW8260B	01/05/10 02:46 / wen	

Report Definitions: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

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ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp Report Date: 01/11/10
Project: 4th Quarter Chloroform Collection Date: 12/29/09 08:46
Lab ID: C09120896-010 Date Received: 12/30/09
Client Sample ID: TW4-1 Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	41	mg/L		1	A4500-Cl B	SW8260B	12/31/09 16:21 / jil
Nitrogen, Nitrate+Nitrite as N	6.8	mg/L		0.2	E353.2	SW8260B	01/08/10 11:06 / jal
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	SW8260B	01/05/10 03:26 / wen
Chloroform	1400	ug/L		200	SW8260B	SW8260B	01/05/10 17:25 / wen
Chloromethane	ND	ug/L		1.0	SW8260B	SW8260B	01/05/10 03:26 / wen
Methylene chloride	ND	ug/L		1.0	SW8260B	SW8260B	01/05/10 03:26 / wen
Surr: Dibromofluoromethane	108	%REC		70-130	SW8260B	SW8260B	01/05/10 03:26 / wen
Surr: p-Bromofluorobenzene	106	%REC		80-120	SW8260B	SW8260B	01/05/10 03:26 / wen
Surr: Toluene-d8	105	%REC		80-120	SW8260B	SW8260B	01/05/10 03:26 / wen
Surr: 1,2-Dichlorobenzene-d4	102	%REC		80-120	SW8260B	SW8260B	01/05/10 03:26 / wen

Report Definitions: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

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ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120896-011
Client Sample ID: TW4-4

Report Date: 01/11/10
Collection Date: 12/29/09 08:54
Date Received: 12/30/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	41	mg/L		1	A4500-Cl B	SW8260B	12/31/09 16:32 / jji
Nitrogen, Nitrate+Nitrite as N	7.6	mg/L		0.2	E353.2	SW8260B	01/08/10 11:08 / jal
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	1.1	ug/L		1.0	SW8260B	SW8260B	01/06/10 03:29 / wen
Chloroform	950	ug/L		500	SW8260B	SW8260B	01/05/10 13:37 / wen
Chloromethane	ND	ug/L		1.0	SW8260B	SW8260B	01/06/10 03:29 / wen
Methylene chloride	ND	ug/L		1.0	SW8260B	SW8260B	01/06/10 03:29 / wen
Surr: Dibromofluoromethane	108	%REC		70-130	SW8260B	SW8260B	01/06/10 03:29 / wen
Surr: p-Bromofluorobenzene	108	%REC		80-120	SW8260B	SW8260B	01/06/10 03:29 / wen
Surr: Toluene-d8	105	%REC		80-120	SW8260B	SW8260B	01/06/10 03:29 / wen
Surr: 1,2-Dichlorobenzene-d4	108	%REC		80-120	SW8260B	SW8260B	01/06/10 03:29 / wen

Report Definitions: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120896-012
Client Sample ID: TW4-22

Report Date: 01/11/10
Collection Date: 12/29/09 08:03
Date Received: 12/30/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	175	mg/L		1	A4500-Cl B	SW8260B	12/31/09 16:36 / lji
Nitrogen, Nitrate+Nitrite as N	17.8	mg/L		0.2	E353.2	SW8260B	01/06/10 11:11 / jal
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	SW8260B	01/06/10 04:12 / wen
Chloroform	380	ug/L		100	SW8260B	SW8260B	01/06/10 02:46 / wen
Chloromethane	ND	ug/L		1.0	SW8260B	SW8260B	01/06/10 04:12 / wen
Methylene chloride	ND	ug/L		1.0	SW8260B	SW8260B	01/06/10 04:12 / wen
Surr: Dibromofluoromethane	104	%REC		70-130	SW8260B	SW8260B	01/06/10 04:12 / wen
Surr: p-Bromofluorobenzene	108	%REC		80-120	SW8260B	SW8260B	01/06/10 04:12 / wen
Surr: Toluene-d8	105	%REC		80-120	SW8260B	SW8260B	01/06/10 04:12 / wen
Surr: 1,2-Dichlorobenzene-d4	105	%REC		80-120	SW8260B	SW8260B	01/06/10 04:12 / wen

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp Report Date: 01/11/10
Project: 4th Quarter Chloroform Collection Date: 12/29/09 08:25
Lab ID: C09120896-013 Date Received: 12/30/09
Client Sample ID: TW4-2 Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	45	mg/L		1	A4500-CI B	SW8260B	12/31/09 16:45 / lji
Nitrogen, Nitrate+Nitrite as N	6.4	mg/L		0.2	E353.2	SW8260B	01/08/10 11:18 / jal
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	2.0	ug/L		1.0	SW8260B	SW8260B	01/06/10 04:54 / wen
Chloroform	1600	ug/L		500	SW8260B	SW8260B	01/05/10 14:52 / wen
Chloromethane	ND	ug/L		1.0	SW8260B	SW8260B	01/06/10 04:54 / wen
Methylene chloride	ND	ug/L		1.0	SW8260B	SW8260B	01/06/10 04:54 / wen
Surr: Dibromofluoromethane	108	%REC		70-130	SW8260B	SW8260B	01/06/10 04:54 / wen
Surr: p-Bromofluorobenzene	108	%REC		80-120	SW8260B	SW8260B	01/06/10 04:54 / wen
Surr: Toluene-d8	108	%REC		80-120	SW8260B	SW8260B	01/06/10 04:54 / wen
Surr: 1,2-Dichlorobenzene-d4	107	%REC		80-120	SW8260B	SW8260B	01/06/10 04:54 / wen

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120896-014
Client Sample ID: Trip Blank

Report Date: 01/11/10
Collection Date: 12/29/09
DateReceived: 12/30/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	01/05/10 12:59 / wen	
Chloroform	ND	ug/L		1.0	SW8260B	01/05/10 12:59 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	01/05/10 12:59 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	01/05/10 12:59 / wen	
Surrogate: Dibromofluoromethane	101	%REC		70-130	SW8260B	01/05/10 12:59 / wen	
Surrogate: p-Bromofluorobenzene	110	%REC		80-120	SW8260B	01/05/10 12:59 / wen	
Surrogate: Toluene-d8	103	%REC		80-120	SW8260B	01/05/10 12:59 / wen	
Surrogate: 1,2-Dichlorobenzene-d4	105	%REC		80-120	SW8260B	01/05/10 12:59 / wen	

Report Definitions: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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QA/QC Summary Report

Client: Denison Mines (USA) Corp

Report Date: 01/11/10

Project: 4th Quarter Chloroform

Work Order: C09120896

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-Cl B										Batch: 091231A-CL-TTR-W
Sample ID: MBLK9-091231A	Method Blank			Run: TITRATION_091231B						12/31/09 15:38
Chloride		ND	mg/L	0.4						
Sample ID: C09120896-010AMS	Sample Matrix Spike			Run: TITRATION_091231B						12/31/09 16:26
Chloride		217	mg/L	1.0	100	90	110			
Sample ID: C09120896-010AMSD	Sample Matrix Spike Duplicate			Run: TITRATION_091231B						12/31/09 16:28
Chloride		215	mg/L	1.0	99	90	110	0.8	10	
Sample ID: C09120896-013AMS	Sample Matrix Spike			Run: TITRATION_091231B						12/31/09 16:45
Chloride		224	mg/L	1.0	101	90	110			
Sample ID: C09120896-013AMSD	Sample Matrix Spike Duplicate			Run: TITRATION_091231B						12/31/09 16:48
Chloride		221	mg/L	1.0	99	90	110	1.6	10	
Sample ID: LCS35-091231A	Laboratory Control Sample			Run: TITRATION_091231B						12/31/09 16:51
Chloride		3570	mg/L	1.0	101	90	110			
Method: E353.2										Batch: R128300
Sample ID: MBLK-1	Method Blank			Run: TECHNICON_100105A						01/05/10 09:59
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.03						
Sample ID: LCS-2	Laboratory Control Sample			Run: TECHNICON_100105A						01/05/10 10:02
Nitrogen, Nitrate+Nitrite as N		2.53	mg/L	0.10	101	90	110			
Sample ID: C09120896-002BMS	Sample Matrix Spike			Run: TECHNICON_100105A						01/05/10 12:12
Nitrogen, Nitrate+Nitrite as N		1.96	mg/L	0.10	95	90	110			
Sample ID: C09120896-002BMSD	Sample Matrix Spike Duplicate			Run: TECHNICON_100105A						01/05/10 12:14
Nitrogen, Nitrate+Nitrite as N		2.02	mg/L	0.10	98	90	110	3	10	
Method: E353.2										Batch: R128408
Sample ID: MBLK-1	Method Blank			Run: TECHNICON_100108A						01/08/10 10:36
Nitrogen, Nitrate+Nitrite as N		0.04	mg/L	0.03						
Sample ID: LCS-2	Laboratory Control Sample			Run: TECHNICON_100108A						01/08/10 10:38
Nitrogen, Nitrate+Nitrite as N		2.70	mg/L	0.10	106	90	110			
Sample ID: C10010128-001AMS	Sample Matrix Spike			Run: TECHNICON_100108A						01/08/10 10:53
Nitrogen, Nitrate+Nitrite as N		2.82	mg/L	0.10	107	90	110			
Sample ID: C10010128-001AMSD	Sample Matrix Spike Duplicate			Run: TECHNICON_100108A						01/08/10 10:56
Nitrogen, Nitrate+Nitrite as N		2.64	mg/L	0.10	98	90	110	6.6	10	
Sample ID: C09120909-001CMS	Sample Matrix Spike			Run: TECHNICON_100108A						01/08/10 11:31
Nitrogen, Nitrate+Nitrite as N		2.02	mg/L	0.10	95	90	110			
Sample ID: C09120909-001CMSP	Sample Matrix Spike Duplicate			Run: TECHNICON_100108A						01/08/10 11:33
Nitrogen, Nitrate+Nitrite as N		1.98	mg/L	0.10	92	90	110	2	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Denison Mines (USA) Corp

Report Date: 01/06/10

Project: 4th Quarter Chloroform

Work Order: C09120896

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R128289
Sample ID: 04-Jan-10_LCS_3	Laboratory Control Sample				Run: GCMS2_100104B				01/04/10 09:47
Carbon tetrachloride	11	ug/L	1.0	113	70	130			
Chloroform	10	ug/L	1.0	105	70	130			
Chloromethane	7.7	ug/L	1.0	77	70	130			
Methylene chloride	8.1	ug/L	1.0	81	70	130			
Surr: Dibromofluoromethane			1.0	105	70	130			
Surr: p-Bromofluorobenzene			1.0	101	80	130			
Surr: Toluene-d8			1.0	104	80	120			
Surr: 1,2-Dichlorobenzene-d4			1.0	104	80	120			
Sample ID: 04-Jan-10_MBLK_6	Method Blank				Run: GCMS2_100104B				01/04/10 11:46
Carbon tetrachloride	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
Methylene chloride	ND	ug/L	1.0						
Surr: Dibromofluoromethane			1.0	95	70	130			
Surr: p-Bromofluorobenzene			1.0	108	80	120			
Surr: Toluene-d8			1.0	102	80	120			
Surr: 1,2-Dichlorobenzene-d4			1.0	104	80	120			
Sample ID: C09120788-004AMS	Sample Matrix Spike				Run: GCMS2_100104B				01/04/10 20:09
Carbon tetrachloride	200	ug/L	20	98	70	130			
Chloroform	210	ug/L	20	106	70	130			
Chloromethane	190	ug/L	20	97	70	130			
Methylene chloride	200	ug/L	20	100	70	130			
Surr: Dibromofluoromethane			20	101	70	130			
Surr: p-Bromofluorobenzene			20	95	80	120			
Surr: Toluene-d8			20	108	80	120			
Surr: 1,2-Dichlorobenzene-d4			20	102	80	120			
Sample ID: C09120788-004AMSD	Sample Matrix Spike Duplicate				Run: GCMS2_100104B				01/04/10 20:49
Carbon tetrachloride	210	ug/L	20	105	70	130	6.7	20	
Chloroform	220	ug/L	20	109	70	130	2.6	20	
Chloromethane	200	ug/L	20	100	70	130	2.8	20	
Methylene chloride	200	ug/L	20	101	70	130	0.4	20	
Surr: Dibromofluoromethane			20	101	70	130	0	10	
Surr: p-Bromofluorobenzene			20	104	80	120	0	10	
Surr: Toluene-d8			20	105	80	120	0	10	
Surr: 1,2-Dichlorobenzene-d4			20	102	80	120	0	10	
Sample ID: 05-Jan-10_LCS_3	Laboratory Control Sample				Run: GCMS2_100104B				01/05/10 10:25
Carbon tetrachloride	11	ug/L	1.0	112	70	130			
Chloroform	12	ug/L	1.0	122	70	130			
Chloromethane	11	ug/L	1.0	112	70	130			
Methylene chloride	12	ug/L	1.0	122	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



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QA/QC Summary Report

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform

Report Date: 01/06/10
Work Order: C09120896

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B	Batch: R128289								
Sample ID: 05-Jan-10_LCS_3	Laboratory Control Sample				Run: GCMS2_100104B				01/05/10 10:25
Surr: Dibromofluoromethane			1.0	106	70	130			
Surr: p-Bromofluorobenzene			1.0	98	80	130			
Surr: Toluene-d8			1.0	108	80	120			
Surr: 1,2-Dichlorobenzene-d4			1.0	104	80	120			
Sample ID: 05-Jan-10_MBLK_6	Method Blank				Run: GCMS2_100104B				01/05/10 12:21
Carbon tetrachloride	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
Methylene chloride	ND	ug/L	1.0						
Surr: Dibromofluoromethane			1.0	102	70	130			
Surr: p-Bromofluorobenzene			1.0	111	80	120			
Surr: Toluene-d8			1.0	102	80	120			
Surr: 1,2-Dichlorobenzene-d4			1.0	102	80	120			
Sample ID: C09120896-010CMS	Sample Matrix Spike				Run: GCMS2_100104B				01/05/10 18:03
Carbon tetrachloride	2000	ug/L	200	102	70	130			
Chloroform	3600	ug/L	200	109	70	130			
Chloromethane	2000	ug/L	200	99	70	130			
Methylene chloride	2100	ug/L	200	104	70	130			
Surr: Dibromofluoromethane			200	100	70	130			
Surr: p-Bromofluorobenzene			200	97	80	120			
Surr: Toluene-d8			200	105	80	120			
Surr: 1,2-Dichlorobenzene-d4			200	103	80	120			
Sample ID: C09120896-010CMSD	Sample Matrix Spike Duplicate				Run: GCMS2_100104B				01/05/10 18:43
Carbon tetrachloride	2100	ug/L	200	103	70	130	1.2	20	
Chloroform	3700	ug/L	200	113	70	130	2	20	
Chloromethane	2000	ug/L	200	98	70	130	0.4	20	
Methylene chloride	2000	ug/L	200	102	70	130	2.3	20	
Surr: Dibromofluoromethane			200	99	70	130	0	10	
Surr: p-Bromofluorobenzene			200	99	80	120	0	10	
Surr: Toluene-d8			200	106	80	120	0	10	
Surr: 1,2-Dichlorobenzene-d4			200	103	80	120	0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



Chain of Custody and Analytical Request Record

Page 1 of 2

PLEASE PRINT (Provide as much information as possible.)

Company Name: <i>Denison</i>		Project Name, PWS, Permit, Etc. <i>4th Quarter Clean Farm</i>		Sample Origin State: <i>UT</i>		EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/>																																											
Report Mail Address <i>P.O. Box 809 Blanding UT 84511</i>		Contact Name: <i>Ryan Palmer</i> Phone/Fax: <i>678 2221</i>		Email:		Sampler: (Please Print) <i>Ryan Palmer</i>																																											
Invoice Address: <i>Same</i>		Invoice Contact & Phone: <i>Same</i>		Purchase Order:		Quote/Bottle Order:																																											
Special Report/Formats: <input type="checkbox"/> DW <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTWWTP Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC		ANALYSIS REQUESTED <table border="1"> <thead> <tr> <th>Number of Containers</th> <th>Air</th> <th>Water</th> <th>Soil/Solids</th> <th>Biosolids</th> <th>Other</th> </tr> </thead> <tbody> <tr> <td>Sample Type: A W S V B O DW</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Air</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Water</td> <td></td> <td>X</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Soil/Solids</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>Biosolids</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> </tr> <tr> <td>Other</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> </tr> </tbody> </table> <i>Quote # 2075</i>		Number of Containers	Air	Water	Soil/Solids	Biosolids	Other	Sample Type: A W S V B O DW						Air	X					Water		X				Soil/Solids			X			Biosolids				X		Other					X	SEE ATTACHED	Standard Turnaround (TAT)	Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page R U S T Comments:	
Number of Containers	Air	Water	Soil/Solids	Biosolids	Other																																												
Sample Type: A W S V B O DW																																																	
Air	X																																																
Water		X																																															
Soil/Solids			X																																														
Biosolids				X																																													
Other					X																																												
						Shipped by: <i>FedEx</i> Cooler ID(s): <i>Client</i> Receipt Temp <i>4 °C</i> On Ice: <input checked="" type="radio"/> Custody Seal <input checked="" type="radio"/> On Bottle <input checked="" type="radio"/> Y N <input checked="" type="radio"/> On Cooler <input checked="" type="radio"/> N Intact <input checked="" type="radio"/> Signature Match <input checked="" type="radio"/>																																											
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date	Collection Time	MATRIX	LABORATORY USE ONLY																																												
1	TW4-11D	12-28-09	0820	S-W	X	<i>12/28/09 0820</i>																																											
2	TW4-70	12-28-09	1000	S-W	X																																												
3	TW4-1R	12-28-09	1103	S-W	X																																												
4	TW4-4R	12-28-09	1157	S-W	X																																												
5	TW4-22R	12-28-09	1302	S-W	X																																												
6	TW4-2R	12-28-09	1402	S-W	X																																												
7	TW4-70	12-29-09	0825	S-W	X																																												
8	TW4-11	12-29-09	0815	S-W	X																																												
9	TW4-7	12-29-09	0836	S-W	X																																												
10	TW4-1	12-29-09	0846	S-W	X																																												
Custody Record MUST be Signed		Relinquished by (print): <i>Ryan Palmer</i>	Date/Time: <i>1400</i>	Signature: <i>TGJ</i>	Received by (print):	Date/Time:	Signature: <i>12/28/09</i>																																										
		Relinquished by (print): <i>J</i>	Date/Time: <i>12-29-09</i>	Signature: <i>TGJ</i>	Received by (print):	Date/Time:	Signature:																																										
		Sample Disposal: <i>Return to Client</i>	Lab Disposal: <i>Landfill</i>	Received by Laboratory: <i>Andrew</i>	Date/Time: <i>12-30-09 0920</i>	Signature: <i>12/30/09 0920</i>																																											

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All sub-contract data will be clearly noted on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.



Chain of Custody and Analytical Request Record

Page 2 of 2

PLEASE PRINT (Provide as much information as possible.)

Company Name: <i>Denison</i>		Project Name, PWS, Permit, Etc. <i>4E Quater chloroform</i>		Sample Origin State: <i>UT</i>	EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/>	
Report Mail Address: <i>P.O. Box 809 Blanding UT 84511</i>		Contact Name: <i>Ryan Palmer</i>	Phone/Fax: <i>6782221</i>	Email:	Sampler: (Please Print) <i>Ryan Palmer</i>	
Invoice Address: <i>Same</i>		Invoice Contact & Phone:		Purchase Order:	Quote/Bottle Order:	
Special Report/Formats: <input type="checkbox"/> DW <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC		Number of Containers Sample Type: A W S V B O DW Air Water Solids/Scalids Vegetation Bioassay Other DW - Drinking Water <i>Chloro # 2975</i>	ANALYSIS REQUESTED		→ Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page	
			SEE ATTACHED	Standard Turnaround (TAT)	Shipped by: <i>FedEx</i> Cooler ID(s): <i>Client</i>	
					Comments: <i>4 °C</i>	
					On Ice: <input checked="" type="checkbox"/> N	
					Custody Seal On Bottle <input checked="" type="checkbox"/> Y N On Cooler <input checked="" type="checkbox"/> Y N	
					Intact <input checked="" type="checkbox"/> N	
					Signature Match <input checked="" type="checkbox"/> Y N	
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.) Collection Date Collection Time MATRIX						
1	TW4-4	12-29-09	0854	5-W	LABORATORY USE ONLY <i>1291208916</i>	
2	TW4-22	12-29-09	0803	5-W		
3	TW4-7	12-29-09	0825	5-W		
4	Trip Blanks per container					
5						
6						
7						
8						
9						
10						
Custody Record MUST be Signed	Relinquished by (print): <i>Ryan Palmer</i>	Date/Time: <i>1400</i>	Signature: <i>[Signature]</i>	Received by (print):	Date/Time:	Signature:
	Relinquished by (print): <i>Ryan Palmer</i>	Date/Time: <i>12-29-09</i>	Signature: <i>[Signature]</i>	Received by (print):	Date/Time:	Signature:
Sample Disposal: Return to Client: Lab Disposal:			Received by Laboratory: <i>Andrew</i> Date/Time: <i>12-30-09 920</i>			Signature: <i>[Signature]</i>

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

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Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

Energy Laboratories Inc

Workorder Receipt Checklist



Denison Mines USA Corp

C09120896

Login completed by: Diane Downing

Date and Time Received: 12/30/2009 9:20 AM

Reviewed by:

Received by: al

Reviewed Date:

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature:	4°C On Ice		
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

Contact and Corrective Action Comments:



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CLIENT: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Sample Delivery Group: C09120896

Date: 11-Jan-10

CASE NARRATIVE

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C ($\pm 2^\circ\text{C}$)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS

The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS

Data for PCBs, Atrazine and Simazine are reported from EPA 525.2. PCB data reported by ELI reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002, Radiochemical WY00937; FL-DOH NELAC: E87641, Radiochemical E871017; California: 02118CA;
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER, WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT



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ANALYTICAL SUMMARY REPORT

January 06, 2010

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

Workorder No.: C09120811 Quote ID: C2975 - Chloroform Sampling

Project Name: 4th Quarter Chloroform

Energy Laboratories, Inc. received the following 11 samples for Denison Mines (USA) Corp on 12/23/2009 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C09120811-001	TWN-5R	12/21/09 08:50	12/23/09	Aqueous	Chloride Nitrogen, Nitrate + Nitrite SW8260B VOCs, Standard List
C09120811-002	TWN-10R	12/21/09 14:39	12/23/09	Aqueous	Same As Above
C09120811-003	TWN-6R	12/21/09 13:39	12/23/09	Aqueous	Same As Above
C09120811-004	TWN-18R	12/21/09 09:59	12/23/09	Aqueous	Same As Above
C09120811-005	TWN-21R	12/21/09 11:17	12/23/09	Aqueous	Same As Above
C09120811-006	TWN-5	12/22/09 09:10	12/23/09	Aqueous	Same As Above
C09120811-007	TWN-10	12/22/09 09:16	12/23/09	Aqueous	Same As Above
C09120811-008	TWN-6	12/22/09 08:58	12/23/09	Aqueous	Same As Above
C09120811-009	TWN-18	12/22/09 08:26	12/23/09	Aqueous	Same As Above
C09120811-010	TWN-21	12/22/09 08:45	12/23/09	Aqueous	Same As Above
C09120811-011	Trip Blank	12/22/09 00:00	12/23/09	Aqueous	SW8260B VOCs, Standard List

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

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

Report Approved By:

Stephanie D. Waldrop
Reporting Supervisor



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120811-001
Client Sample ID: TWN-5R

Report Date: 01/06/10
Collection Date: 12/21/09 08:50
Date Received: 12/23/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1	A4500-Cl B	SW8260B	12/28/09 12:29 / ja
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1	E353.2	SW8260B	12/29/09 14:29 / jal
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	SW8260B	12/29/09 14:08 / wen
Chloroform	ND	ug/L		1.0	SW8260B	SW8260B	12/29/09 14:08 / wen
Chloromethane	ND	ug/L		1.0	SW8260B	SW8260B	12/29/09 14:08 / wen
Methylene chloride	ND	ug/L		1.0	SW8260B	SW8260B	12/29/09 14:08 / wen
Surr: Dibromofluoromethane	99.0	%REC		70-130	SW8260B	SW8260B	12/29/09 14:08 / wen
Surr: p-Bromofluorobenzene	109	%REC		80-120	SW8260B	SW8260B	12/29/09 14:08 / wen
Surr: Toluene-d8	103	%REC		80-120	SW8260B	SW8260B	12/29/09 14:08 / wen
Surr: 1,2-Dichlorobenzene-d4	104	%REC		80-120	SW8260B	SW8260B	12/29/09 14:08 / wen

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120811-002
Client Sample ID: TWN-10R

Report Date: 01/06/10
Collection Date: 12/21/09 14:39
Date Received: 12/23/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1	A4500-Cl B	12/28/09 12:31 / ja	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1	E353.2	12/29/09 14:32 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/29/09 14:46 / wen	
Chloroform	ND	ug/L		1.0	SW8260B	12/29/09 14:46 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/29/09 14:46 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/29/09 14:46 / wen	
Surr: Dibromofluoromethane	102	%REC		70-130	SW8260B	12/29/09 14:46 / wen	
Surr: p-Bromofluorobenzene	106	%REC		80-120	SW8260B	12/29/09 14:46 / wen	
Surr: Toluene-d8	105	%REC		80-120	SW8260B	12/29/09 14:46 / wen	
Surr: 1,2-Dichlorobenzene-d4	103	%REC		80-120	SW8260B	12/29/09 14:46 / wen	

Report Definitions: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120811-003
Client Sample ID: TWN-6R

Report Date: 01/06/10
Collection Date: 12/21/09 13:39
DateReceived: 12/23/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1	A4500-Cl B	12/28/09 12:32 / ja	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1	E353.2	12/29/09 14:34 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/29/09 15:24 / wen	
Chloroform	ND	ug/L		1.0	SW8260B	12/29/09 15:24 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/29/09 15:24 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/29/09 15:24 / wen	
Surr: Dibromofluoromethane	99.0	%REC		70-130	SW8260B	12/29/09 15:24 / wen	
Surr: p-Bromofluorobenzene	102	%REC		80-120	SW8260B	12/29/09 15:24 / wen	
Surr: Toluene-d8	102	%REC		80-120	SW8260B	12/29/09 15:24 / wen	
Surr: 1,2-Dichlorobenzene-d4	103	%REC		80-120	SW8260B	12/29/09 15:24 / wen	



LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120811-004
Client Sample ID: TWN-18R

Report Date: 01/06/10
Collection Date: 12/21/09 09:59
DateReceived: 12/23/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1	A4500-Cl B	12/28/09 13:14 / ja	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1	E353.2	12/29/09 14:37 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/29/09 16:02 / wen	
Chloroform	ND	ug/L		1.0	SW8260B	12/29/09 16:02 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/29/09 16:02 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/29/09 16:02 / wen	
Surr: Dibromofluoromethane	97.0	%REC		70-130	SW8260B	12/29/09 16:02 / wen	
Surr: p-Bromofluorobenzene	105	%REC		80-120	SW8260B	12/29/09 16:02 / wen	
Surr: Toluene-d8	103	%REC		80-120	SW8260B	12/29/09 16:02 / wen	
Surr: 1,2-Dichlorobenzene-d4	104	%REC		80-120	SW8260B	12/29/09 16:02 / wen	



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120811-005
Client Sample ID: TWN-21R

Report Date: 01/06/10
Collection Date: 12/21/09 11:17
Date Received: 12/23/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	1	mg/L		1	A4500-Cl B	12/28/09 13:20 / ja	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1	E353.2	12/29/09 14:39 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/29/09 16:40 / wen	
Chloroform	ND	ug/L		1.0	SW8260B	12/29/09 16:40 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/29/09 16:40 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/29/09 16:40 / wen	
Surr: Dibromofluoromethane	98.0	%REC		70-130	SW8260B	12/29/09 16:40 / wen	
Surr: p-Bromofluorobenzene	106	%REC		80-120	SW8260B	12/29/09 16:40 / wen	
Surr: Toluene-d8	105	%REC		80-120	SW8260B	12/29/09 16:40 / wen	
Surr: 1,2-Dichlorobenzene-d4	104	%REC		80-120	SW8260B	12/29/09 16:40 / wen	

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120811-006
Client Sample ID: TWN-5

Report Date: 01/06/10
Collection Date: 12/22/09 09:10
Date Received: 12/23/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	41	mg/L		1	A4500-Cl B	SW8260B	12/28/09 13:24 / ja
Nitrogen, Nitrate+Nitrite as N	7.5	mg/L		0.2	E353.2	SW8260B	12/29/09 14:49 / jal
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	SW8260B	12/29/09 17:19 / wen
Chloroform	8.5	ug/L		1.0	SW8260B	SW8260B	12/29/09 17:19 / wen
Chloromethane	ND	ug/L		1.0	SW8260B	SW8260B	12/29/09 17:19 / wen
Methylene chloride	ND	ug/L		1.0	SW8260B	SW8260B	12/29/09 17:19 / wen
Surr: Dibromofluoromethane	102	%REC		70-130	SW8260B	SW8260B	12/29/09 17:19 / wen
Surr: p-Bromofluorobenzene	104	%REC		80-120	SW8260B	SW8260B	12/29/09 17:19 / wen
Surr: Toluene-d8	103	%REC		80-120	SW8260B	SW8260B	12/29/09 17:19 / wen
Surr: 1,2-Dichlorobenzene-d4	106	%REC		80-120	SW8260B	SW8260B	12/29/09 17:19 / wen

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120811-007
Client Sample ID: TWN-10

Report Date: 01/06/10
Collection Date: 12/22/09 09:16
Date Received: 12/23/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	51	mg/L		1	A4500-Cl B	12/28/09 13:26 / ja	
Nitrogen, Nitrate+Nitrite as N	3.5	mg/L		0.2	E353.2	12/29/09 14:52 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/29/09 17:58 / wen	
Chloroform	300	ug/L		100	SW8260B	12/30/09 17:10 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/29/09 17:58 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/29/09 17:58 / wen	
Surr: Dibromofluoromethane	100	%REC		70-130	SW8260B	12/29/09 17:58 / wen	
Surr: p-Bromofluorobenzene	105	%REC		80-120	SW8260B	12/29/09 17:58 / wen	
Surr: Toluene-d8	103	%REC		80-120	SW8260B	12/29/09 17:58 / wen	
Surr: 1,2-Dichlorobenzene-d4	106	%REC		80-120	SW8260B	12/29/09 17:58 / wen	



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120811-008
Client Sample ID: TWN-6

Report Date: 01/06/10
Collection Date: 12/22/09 08:58
Date Received: 12/23/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	41	mg/L		1	A4500-Cl B	12/28/09 13:28 / ja	
Nitrogen, Nitrate+Nitrite as N	6.1	mg/L		0.2	E353.2	12/29/09 14:54 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/29/09 18:38 / wen	
Chloroform	250	ug/L		100	SW8260B	12/30/09 17:50 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/29/09 18:38 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/29/09 18:38 / wen	
Surr: Dibromofluoromethane	108	%REC		70-130	SW8260B	12/29/09 18:38 / wen	
Surr: p-Bromofluorobenzene	106	%REC		80-120	SW8260B	12/29/09 18:38 / wen	
Surr: Toluene-d8	101	%REC		80-120	SW8260B	12/29/09 18:38 / wen	
Surr: 1,2-Dichlorobenzene-d4	105	%REC		80-120	SW8260B	12/29/09 18:38 / wen	

Report Definitions:
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120811-009
Client Sample ID: TWN-18

Report Date: 01/06/10
Collection Date: 12/22/09 08:26
DateReceived: 12/23/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	30	mg/L		1	A4500-Cl B	12/28/09 13:29 / ja	
Nitrogen, Nitrate+Nitrite as N	5.4	mg/L		0.2	E353.2	12/29/09 14:57 / ja	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/29/09 19:18 / wen	
Chloroform	8.2	ug/L		1.0	SW8260B	12/29/09 19:18 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/29/09 19:18 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/29/09 19:18 / wen	
Surr: Dibromofluoromethane	104	%REC		70-130	SW8260B	12/29/09 19:18 / wen	
Surr: p-Bromofluorobenzene	108	%REC		80-120	SW8260B	12/29/09 19:18 / wen	
Surr: Toluene-d8	104	%REC		80-120	SW8260B	12/29/09 19:18 / wen	
Surr: 1,2-Dichlorobenzene-d4	106	%REC		80-120	SW8260B	12/29/09 19:18 / wen	

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120811-010
Client Sample ID: TWN-21

Report Date: 01/06/10
Collection Date: 12/22/09 08:45
Date Received: 12/23/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	256	mg/L		1	A4500-Cl B	12/28/09 13:33 / ja	
Nitrogen, Nitrate+Nitrite as N	8.4	mg/L		0.2	E353.2	12/29/09 15:09 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/29/09 19:58 / wen	
Chloroform	160	ug/L		100	SW8260B	12/30/09 18:27 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/29/09 19:58 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/29/09 19:58 / wen	
Surr: Dibromofluoromethane	111	%REC		70-130	SW8260B	12/29/09 19:58 / wen	
Surr: p-Bromofluorobenzene	108	%REC		80-120	SW8260B	12/29/09 19:58 / wen	
Surr: Toluene-d8	103	%REC		80-120	SW8260B	12/29/09 19:58 / wen	
Surr: 1,2-Dichlorobenzene-d4	106	%REC		80-120	SW8260B	12/29/09 19:58 / wen	

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120811-011
Client Sample ID: Trip Blank

Report Date: 01/06/10
Collection Date: 12/22/09
Date Received: 12/23/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/29/09 20:37 / wen	
Chloroform	ND	ug/L		1.0	SW8260B	12/29/09 20:37 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/29/09 20:37 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/29/09 20:37 / wen	
Surr: Dibromofluoromethane	107	%REC		70-130	SW8260B	12/29/09 20:37 / wen	
Surr: p-Bromofluorobenzene	107	%REC		80-120	SW8260B	12/29/09 20:37 / wen	
Surr: Toluene-d8	103	%REC		80-120	SW8260B	12/29/09 20:37 / wen	
Surr: 1,2-Dichlorobenzene-d4	105	%REC		80-120	SW8260B	12/29/09 20:37 / wen	

Report Definitions: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Denison Mines (USA) Corp

Report Date: 01/06/10

Project: 4th Quarter Chloroform

Work Order: C09120811

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-CI B										Batch: 091228-CL-TTR-W
Sample ID: MBLK9-091228		Method Blank								Run: TITRATION_091228A 12/28/09 09:49
Chloride		ND	mg/L	0.4						
Sample ID: LCS35-091228		Laboratory Control Sample								Run: TITRATION_091228A 12/28/09 10:57
Chloride		3530	mg/L	1.0	100	90	110			
Sample ID: C09120811-004AMS		Sample Matrix Spike								Run: TITRATION_091228A 12/28/09 13:16
Chloride		35.0	mg/L	1.0	99	90	110			
Sample ID: C09120811-004AMS		Sample Matrix Spike Duplicate								Run: TITRATION_091228A 12/28/09 13:18
Chloride		35.7	mg/L	1.0	101	90	110	2	10	
Sample ID: C09120811-010AMS		Sample Matrix Spike								Run: TITRATION_091228A 12/28/09 13:35
Chloride		1140	mg/L	1.0	100	90	110			
Sample ID: C09120811-010AMS		Sample Matrix Spike Duplicate								Run: TITRATION_091228A 12/28/09 13:37
Chloride		1160	mg/L	1.0	102	90	110	1.5	10	
Method: E353.2										Batch: R128102
Sample ID: MBLK-1		Method Blank								Run: TECHNICON_091229A 12/29/09 11:50
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.03						
Sample ID: LCS-2		Laboratory Control Sample								Run: TECHNICON_091229A 12/29/09 11:54
Nitrogen, Nitrate+Nitrite as N		2.61	mg/L	0.10	102	90	110			
Sample ID: C09120796-001AMS		Sample Matrix Spike								Run: TECHNICON_091229A 12/29/09 14:22
Nitrogen, Nitrate+Nitrite as N		2.12	mg/L	0.10	104	90	110			
Sample ID: C09120796-001AMSD		Sample Matrix Spike Duplicate								Run: TECHNICON_091229A 12/29/09 14:24
Nitrogen, Nitrate+Nitrite as N		2.07	mg/L	0.10	101	90	110	2.4	10	
Sample ID: C09120833-001AMS		Sample Matrix Spike								Run: TECHNICON_091229A 12/29/09 15:02
Nitrogen, Nitrate+Nitrite as N		1.95	mg/L	0.10	94	90	110			
Sample ID: C09120833-001AMSD		Sample Matrix Spike Duplicate								Run: TECHNICON_091229A 12/29/09 15:04
Nitrogen, Nitrate+Nitrite as N		1.96	mg/L	0.10	94	90	110	0.5	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Denison Mines (USA) Corp

Report Date: 12/31/09

Project: 4th Quarter Chloroform

Work Order: C09120811

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R128172
Sample ID: 29-Dec-09_LCS_3	Laboratory Control Sample				Run: GCMS2_091229A				12/29/09 11:28
Carbon tetrachloride	9.9	ug/L	1.0	99	70	130			
Chloroform	10	ug/L	1.0	103	70	130			
Chloromethane	8.6	ug/L	1.0	86	70	130			
Methylene chloride	9.6	ug/L	1.0	96	70	130			
Surr: Dibromofluoromethane			1.0	104	70	130			
Surr: p-Bromofluorobenzene			1.0	98	80	130			
Surr: Toluene-d8			1.0	106	80	120			
Surr: 1,2-Dichlorobenzene-d4			1.0	103	80	120			
Sample ID: 29-Dec-09_MBLK_6	Method Blank				Run: GCMS2_091229A				12/29/09 13:30
Carbon tetrachloride	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
Methylene chloride	ND	ug/L	1.0						
Surr: Dibromofluoromethane			1.0	102	70	130			
Surr: p-Bromofluorobenzene			1.0	110	80	120			
Surr: Toluene-d8			1.0	106	80	120			
Surr: 1,2-Dichlorobenzene-d4			1.0	106	80	120			
Sample ID: C09120775-001AMS	Sample Matrix Spike				Run: GCMS2_091229A				12/29/09 21:55
Carbon tetrachloride	980	ug/L	100	98	70	130			
Chloroform	1100	ug/L	100	105	70	130			
Chloromethane	930	ug/L	100	93	70	130			
Methylene chloride	1000	ug/L	100	101	70	130			
Surr: Dibromofluoromethane			100	103	70	130			
Surr: p-Bromofluorobenzene			100	97	80	120			
Surr: Toluene-d8			100	105	80	120			
Surr: 1,2-Dichlorobenzene-d4			100	104	80	120			
Sample ID: C09120775-001AMSD	Sample Matrix Spike Duplicate				Run: GCMS2_091229A				12/29/09 22:34
Carbon tetrachloride	1000	ug/L	100	104	70	130	5.9	20	
Chloroform	1100	ug/L	100	111	70	130	5.5	20	
Chloromethane	960	ug/L	100	96	70	130	3	20	
Methylene chloride	1000	ug/L	100	104	70	130	3.1	20	
Surr: Dibromofluoromethane			100	104	70	130	0	10	
Surr: p-Bromofluorobenzene			100	99	80	120	0	10	
Surr: Toluene-d8			100	106	80	120	0	10	
Surr: 1,2-Dichlorobenzene-d4			100	105	80	120	0	10	
Sample ID: 30-Dec-09_LCS_3	Laboratory Control Sample				Run: GCMS2_091229A				12/30/09 10:21
Carbon tetrachloride	10	ug/L	1.0	102	70	130			
Chloroform	11	ug/L	1.0	108	70	130			
Chloromethane	9.0	ug/L	1.0	90	70	130			
Methylene chloride	10	ug/L	1.0	105	70	130			

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform

Report Date: 12/31/09
Work Order: C09120811

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R128172
Sample ID: 30-Dec-09_LCS_3	Laboratory Control Sample				Run: GCMS2_091229A				12/30/09 10:21
Surr: Dibromofluoromethane			1.0	108	70	130			
Surr: p-Bromofluorobenzene			1.0	106	80	130			
Surr: Toluene-d8			1.0	108	80	120			
Surr: 1,2-Dichlorobenzene-d4			1.0	105	80	120			
Sample ID: 30-Dec-09_MBLK_6	Method Blank				Run: GCMS2_091229A				12/30/09 12:40
Carbon tetrachloride	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
Methylene chloride	ND	ug/L	1.0						
Surr: Dibromofluoromethane			1.0	99	70	130			
Surr: p-Bromofluorobenzene			1.0	109	80	120			
Surr: Toluene-d8			1.0	105	80	120			
Surr: 1,2-Dichlorobenzene-d4			1.0	103	80	120			
Sample ID: C09120811-010CMS	Sample Matrix Spike				Run: GCMS2_091229A				12/30/09 20:26
Carbon tetrachloride	1100	ug/L	100	114	70	130			
Chloroform	1300	ug/L	100	111	70	130			
Chloromethane	780	ug/L	100	78	70	130			
Methylene chloride	880	ug/L	100	88	70	130			
Surr: Dibromofluoromethane			100	104	70	130			
Surr: p-Bromofluorobenzene			100	100	80	120			
Surr: Toluene-d8			100	104	80	120			
Surr: 1,2-Dichlorobenzene-d4			100	102	80	120			
Sample ID: C09120811-010CMSP	Sample Matrix Spike Duplicate				Run: GCMS2_091229A				12/30/09 21:06
Carbon tetrachloride	1200	ug/L	100	117	70	130	2.8	20	
Chloroform	1300	ug/L	100	116	70	130	3.7	20	
Chloromethane	780	ug/L	100	78	70	130	1	20	
Methylene chloride	880	ug/L	100	88	70	130	0.9	20	
Surr: Dibromofluoromethane			100	102	70	130	0	10	
Surr: p-Bromofluorobenzene			100	102	80	120	0	10	
Surr: Toluene-d8			100	106	80	120	0	10	
Surr: 1,2-Dichlorobenzene-d4			100	101	80	120	0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Chain of Custody and Analytical Request Record

Page 1 of 1

PLEASE PRINT (Provide as much information as possible.)

Company Name: Denison Mines		Project Name, PWS, Permit, Etc. 4 Quarter chloroform		Sample Origin State: UT	EPA/State Compliance: Yes <input type="checkbox"/> No <input type="checkbox"/>		
Report Mail Address: P.O. Box 809 Blanding UT 84511		Contact Name: Ryan Palmer Phone/Fax: 7221 678	Email:	Sampler: (Please Print) Ryan Palmer			
Invoice Address: Same		Invoice Contact & Phone: Same		Purchase Order: Quote/Bottle Order:			
Special Report/Formats: <input type="checkbox"/> DW <input type="checkbox"/> EDD/EDT(Electronic Data) <input type="checkbox"/> POTW/WWTP Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC		Number of Containers Sample Type: AW S V B O DW Air Water Soils/Solids Vegetation Bioassay Other DW - Drinking Water	ANALYSIS REQUESTED Matrix # 2975 SEE ATTACHED Standard Turnaround (TAT)		→ Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page R U S H Comments: LABORATORY USE ONLY <i>Sample Time 0916</i> <i>Trip blanks per container</i>		
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date 12-21-09	Collection Time 0850	MATRIX 5-W	<input checked="" type="checkbox"/> COA#20811		
TWN-5R		12-21-09	1439	<input checked="" type="checkbox"/>			
TWN-6R		12-21-09	1339	<input checked="" type="checkbox"/>			
TWN-18R		12-21-09	0959	<input checked="" type="checkbox"/>			
TWN-21R		12-21-09	1117	<input checked="" type="checkbox"/>			
TWN-5		12-22-09	0910	<input checked="" type="checkbox"/>			
TWN-10		12-22-09	0826	<input checked="" type="checkbox"/>			
TWN-6		12-22-09	1858	<input checked="" type="checkbox"/>			
TWN-18		12-22-09	0826	<input checked="" type="checkbox"/>			
TWN-21		12-22-09	0845	5-W <input checked="" type="checkbox"/>			
Custody Record MUST be Signed		Relinquished by (print): Ryan Palmer	Date/Time: 12-22-09	Signature: <i>Ryan Palmer</i>	Received by (print): AC	Date/Time: 12-23-09	Signature:
		Relinquished by (print): Ryan Palmer	Date/Time: 12-22-09	Signature: <i>Ryan Palmer</i>	Received by (print):	Date/Time:	Signature:
Sample Disposal: Return to Client:		Lab Disposal:		Received by Laboratory: Andrews	Date/Time: 12-23-09	Signature: <i>Andrews</i>	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested.

This serves as notice of this possibility. All sub-contract data will be clearly noted on your analytical report.

Visit our web site at www.energylab.com for additional information, downloadable fee schedule, forms, and links.

Energy Laboratories Inc

Workorder Receipt Checklist



Denison Mines USA Corp

C09120811

Login completed by: Halley Ackerman

Date and Time Received: 12/23/2009 10:50 AM

Reviewed by:

Received by: al

Reviewed Date:

Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature:	4°C On Ice		
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Applicable <input type="checkbox"/>

Contact and Corrective Action Comments:

None



CLIENT: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Sample Delivery Group: C09120811

Date: 06-Jan-10

CASE NARRATIVE

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C ($\pm 2^{\circ}\text{C}$)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS

The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS

Data for PCBs, Atrazine and Simazine are reported from EPA 525.2. PCB data reported by ELI reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002, Radiochemical WY00937; FL-DOH NELAC: E87641, Radiochemical E871017; California: 02118CA;
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT



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ANALYTICAL SUMMARY REPORT

January 06, 2010

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

Workorder No.: C09120647 Quote ID: C2975 - Chloroform Sampling

Project Name: 4th Quarter Chloroform

Energy Laboratories, Inc. received the following 28 samples for Denison Mines (USA) Corp on 12/18/2009 for analysis.

Sample ID	Client Sample ID	Collect Date	Receive Date	Matrix	Test
C09120647-001	TW4-15	12/14/09 14:20	12/18/09	Aqueous	Chloride Nitrogen, Nitrate + Nitrite SW8260B VOCs, Standard List
C09120647-002	MW-4	12/14/09 14:00	12/18/09	Aqueous	Same As Above
C09120647-003	TW4-19	12/14/09 15:50	12/18/09	Aqueous	Same As Above
C09120647-004	TW4-20	12/14/09 13:25	12/18/09	Aqueous	Same As Above
C09120647-005	TW4-3R	12/15/09 08:20	12/18/09	Aqueous	Same As Above
C09120647-006	TW4-12R	12/15/09 09:40	12/18/09	Aqueous	Same As Above
C09120647-007	TW4-13R	12/15/09 11:15	12/18/09	Aqueous	Same As Above
C09120647-008	TW4-14R	12/15/09 13:13	12/18/09	Aqueous	Same As Above
C09120647-009	TW4-25R	12/15/09 15:55	12/18/09	Aqueous	Same As Above
C09120647-010	TW4-23R	12/15/09 14:12	12/18/09	Aqueous	Same As Above
C09120647-011	TW4-3	12/16/09 10:07	12/18/09	Aqueous	Same As Above
C09120647-012	TW4-12	12/16/09 08:27	12/18/09	Aqueous	Same As Above
C09120647-013	TW4-13	12/16/09 08:36	12/18/09	Aqueous	Same As Above
C09120647-014	TW4-14	12/16/09 08:45	12/18/09	Aqueous	Same As Above
C09120647-015	TW4-17	12/16/09 13:46	12/18/09	Aqueous	Same As Above
C09120647-016	TW4-23	12/16/09 09:57	12/18/09	Aqueous	Same As Above
C09120647-017	TW4-25	12/16/09 07:41	12/18/09	Aqueous	Same As Above
C09120647-018	TW4-8	12/17/09 09:30	12/18/09	Aqueous	Same As Above
C09120647-019	TW4-9	12/17/09 09:22	12/18/09	Aqueous	Same As Above
C09120647-020	TW4-16	12/17/09 09:40	12/18/09	Aqueous	Same As Above
C09120647-021	TW4-24	12/17/09 09:06	12/18/09	Aqueous	Same As Above
C09120647-022	TW4-8R	12/16/09 10:54	12/18/09	Aqueous	Same As Above
C09120647-023	TW4-9R	12/16/09 12:45	12/18/09	Aqueous	Same As Above
C09120647-024	TW4-16R	12/16/09 14:32	12/18/09	Aqueous	Same As Above



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ANALYTICAL SUMMARY REPORT

C09120647-025 TW4-24R	12/16/09 16:15	12/18/09	Aqueous	Same As Above
C09120647-026 TW4-60	12/17/09 10:00	12/18/09	Aqueous	Same As Above
C09120647-027 TW4-65	12/16/09 13:46	12/18/09	Aqueous	Same As Above
C09120647-028 Trip Blank	12/17/09 00:00	12/18/09	Aqueous	SW8260B VOCs, Standard List

As appropriate, any exceptions or problems with the analyses are noted in the Laboratory Analytical Report, the QA/QC Summary Report, or the Case Narrative.

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

Report Approved By:

Stephanie D. Waldrop
Stephanie D. Waldrop
Reporting Supervisor



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120647-001
Client Sample ID: TW4-15

Report Date: 01/06/10
Collection Date: 12/14/09 14:20
Date Received: 12/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	60	mg/L		1	A4500-CI B	12/28/09 10:51 / jal	
Nitrogen, Nitrate+Nitrite as N	2.3	mg/L		0.1	E353.2	12/28/09 13:22 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/21/09 16:46 / jlr	
Chloroform	1100	ug/L		500	SW8260B	12/23/09 13:20 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/21/09 16:46 / jlr	
Methylene chloride	40	ug/L		1.0	SW8260B	12/21/09 16:46 / jlr	
Surr: Dibromofluoromethane	103	%REC		70-130	SW8260B	12/21/09 16:46 / jlr	
Surr: p-Bromofluorobenzene	103	%REC		80-120	SW8260B	12/21/09 16:46 / jlr	
Surr: Toluene-d8	99.0	%REC		80-120	SW8260B	12/21/09 16:46 / jlr	
Surr: 1,2-Dichlorobenzene-d4	109	%REC		80-120	SW8260B	12/21/09 16:46 / jlr	

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120647-002
Client Sample ID: MW-4

Report Date: 01/06/10
Collection Date: 12/14/09 14:00
Date Received: 12/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	44	mg/L		1	A4500-Cl B	12/28/09 11:03 / ja	
Nitrogen, Nitrate+Nitrite as N	5.8	mg/L		0.2	E353.2	12/28/09 13:25 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	1.6	ug/L		1.0	SW8260B	12/22/09 04:36 / jlr	
Chloroform	1800	ug/L		100	SW8260B	12/21/09 15:00 / jlr	
Chloromethane	ND	ug/L		1.0	SW8260B	12/22/09 04:36 / jlr	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/22/09 04:36 / jlr	
Surr: Dibromofluoromethane	107	%REC		70-130	SW8260B	12/22/09 04:36 / jlr	
Surr: p-Bromofluorobenzene	105	%REC		80-120	SW8260B	12/22/09 04:36 / jlr	
Surr: Toluene-d8	100	%REC		80-120	SW8260B	12/22/09 04:36 / jlr	
Surr: 1,2-Dichlorobenzene-d4	111	%REC		80-120	SW8260B	12/22/09 04:36 / jlr	

Report Definitions: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120647-003
Client Sample ID: TW4-19

Report Date: 01/06/10
Collection Date: 12/14/09 15:50
Date Received: 12/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	124	mg/L		1	A4500-Cl B	12/28/09 11:04 / ja	
Nitrogen, Nitrate+Nitrite as N	26.7	mg/L		0.2	E353.2	12/28/09 13:27 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	16	ug/L		1.0	SW8260B	12/22/09 05:12 / jlr	
Chloroform	4700	ug/L		1000	SW8260B	12/23/09 13:55 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/22/09 05:12 / jlr	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/22/09 05:12 / jlr	
Surr: Dibromofluoromethane	93.0	%REC		70-130	SW8260B	12/22/09 05:12 / jlr	
Surr: p-Bromofluorobenzene	105	%REC		80-120	SW8260B	12/22/09 05:12 / jlr	
Surr: Toluene-d8	102	%REC		80-120	SW8260B	12/22/09 05:12 / jlr	
Surr: 1,2-Dichlorobenzene-d4	108	%REC		80-120	SW8260B	12/22/09 05:12 / jlr	

Report Definitions: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120647-004
Client Sample ID: TW4-20

Report Date: 01/06/10
Collection Date: 12/14/09 13:25
Date Received: 12/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	187	mg/L		1	A4500-CI B	12/28/09 11:06 / jal	
Nitrogen, Nitrate+Nitrite as N	5.3	mg/L		0.1	E353.2	12/28/09 13:30 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	14	ug/L		1.0	SW8260B	12/22/09 05:47 / jlr	
Chloroform	15000	ug/L		1000	SW8260B	12/23/09 14:30 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/22/09 05:47 / jlr	
Methylene chloride	3.0	ug/L		1.0	SW8260B	12/22/09 05:47 / jlr	
Surr: Dibromofluoromethane	66.0	%REC	S	70-130	SW8260B	12/22/09 05:47 / jlr	
Surr: p-Bromofluorobenzene	106	%REC		80-120	SW8260B	12/22/09 05:47 / jlr	
Surr: Toluene-d8	104	%REC		80-120	SW8260B	12/22/09 05:47 / jlr	
Surr: 1,2-Dichlorobenzene-d4	107	%REC		80-120	SW8260B	12/22/09 05:47 / jlr	

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
S - Spike recovery outside of advisory limits.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp Report Date: 01/06/10
Project: 4th Quarter Chloroform Collection Date: 12/15/09 08:20
Lab ID: C09120647-005 Date Received: 12/18/09
Client Sample ID: TW4-3R Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1	A4500-Cl B	12/28/09 11:08 / ja	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1	E353.2	12/28/09 13:40 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/22/09 15:08 / wen	
Chloroform	ND	ug/L		1.0	SW8260B	12/22/09 15:08 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/22/09 15:08 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/22/09 15:08 / wen	
Surr: Dibromofluoromethane	106	%REC		70-130	SW8260B	12/22/09 15:08 / wen	
Surr: p-Bromofluorobenzene	112	%REC		80-120	SW8260B	12/22/09 15:08 / wen	
Surr: Toluene-d8	105	%REC		80-120	SW8260B	12/22/09 15:08 / wen	
Surr: 1,2-Dichlorobenzene-d4	102	%REC		80-120	SW8260B	12/22/09 15:08 / wen	

Report Definitions: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120647-006
Client Sample ID: TW4-12R

Report Date: 01/06/10
Collection Date: 12/15/09 09:40
Date Received: 12/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	1	mg/L		1	A4500-Cl B	12/28/09 11:11 / ja	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1	E353.2	12/28/09 13:42 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/22/09 15:43 / wen	
Chloroform	6.1	ug/L		1.0	SW8260B	12/22/09 15:43 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/22/09 15:43 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/22/09 15:43 / wen	
Surr: Dibromofluoromethane	104	%REC		70-130	SW8260B	12/22/09 15:43 / wen	
Surr: p-Bromofluorobenzene	108	%REC		80-120	SW8260B	12/22/09 15:43 / wen	
Surr: Toluene-d8	105	%REC		80-120	SW8260B	12/22/09 15:43 / wen	
Surr: 1,2-Dichlorobenzene-d4	104	%REC		80-120	SW8260B	12/22/09 15:43 / wen	

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120647-007
Client Sample ID: TW4-13R

Report Date: 01/06/10
Collection Date: 12/15/09 11:15
Date Received: 12/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1	A4500-Cl B	12/28/09 11:14 / ja	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1	E353.2	12/28/09 13:47 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/22/09 16:18 / wen	
Chloroform	ND	ug/L		1.0	SW8260B	12/22/09 16:18 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/22/09 16:18 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/22/09 16:18 / wen	
Surr: Dibromofluoromethane	104	%REC		70-130	SW8260B	12/22/09 16:18 / wen	
Surr: p-Bromofluorobenzene	108	%REC		80-120	SW8260B	12/22/09 16:18 / wen	
Surr: Toluene-d8	102	%REC		80-120	SW8260B	12/22/09 16:18 / wen	
Surr: 1,2-Dichlorobenzene-d4	106	%REC		80-120	SW8260B	12/22/09 16:18 / wen	

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120647-008
Client Sample ID: TW4-14R

Report Date: 01/06/10
Collection Date: 12/15/09 13:13
Date Received: 12/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	1	mg/L		1		A4500-Cl B	12/28/09 11:15 / ja
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	12/28/09 13:50 / jal
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	12/22/09 16:53 / wen
Chloroform	ND	ug/L		1.0		SW8260B	12/22/09 16:53 / wen
Chloromethane	ND	ug/L		1.0		SW8260B	12/22/09 16:53 / wen
Methylene chloride	ND	ug/L		1.0		SW8260B	12/22/09 16:53 / wen
Surr: Dibromofluoromethane	99.0	%REC		70-130		SW8260B	12/22/09 16:53 / wen
Surr: p-Bromofluorobenzene	104	%REC		80-120		SW8260B	12/22/09 16:53 / wen
Surr: Toluene-d8	104	%REC		80-120		SW8260B	12/22/09 16:53 / wen
Surr: 1,2-Dichlorobenzene-d4	103	%REC		80-120		SW8260B	12/22/09 16:53 / wen

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120647-009
Client Sample ID: TW4-25R

Report Date: 01/06/10
Collection Date: 12/15/09 15:55
Date Received: 12/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1	A4500-Cl B	12/28/09 11:17 / ja	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1	E353.2	12/28/09 13:52 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/22/09 17:28 / wen	
Chloroform	ND	ug/L		1.0	SW8260B	12/22/09 17:28 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/22/09 17:28 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/22/09 17:28 / wen	
Surr: Dibromofluoromethane	101	%REC		70-130	SW8260B	12/22/09 17:28 / wen	
Surr: p-Bromofluorobenzene	106	%REC		80-120	SW8260B	12/22/09 17:28 / wen	
Surr: Toluene-d8	104	%REC		80-120	SW8260B	12/22/09 17:28 / wen	
Surr: 1,2-Dichlorobenzene-d4	104	%REC		80-120	SW8260B	12/22/09 17:28 / wen	

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120647-010
Client Sample ID: TW4-23R

Report Date: 01/06/10
Collection Date: 12/15/09 14:12
Date Received: 12/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	1	mg/L		1	A4500-Cl B	12/28/09 11:19 / ja	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1	E353.2	12/28/09 14:02 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/22/09 18:03 / wen	
Chloroform	1.7	ug/L		1.0	SW8260B	12/22/09 18:03 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/22/09 18:03 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/22/09 18:03 / wen	
Surr: Dibromofluoromethane	105	%REC		70-130	SW8260B	12/22/09 18:03 / wen	
Surr: p-Bromofluorobenzene	105	%REC		80-120	SW8260B	12/22/09 18:03 / wen	
Surr: Toluene-d8	104	%REC		80-120	SW8260B	12/22/09 18:03 / wen	
Surr: 1,2-Dichlorobenzene-d4	104	%REC		80-120	SW8260B	12/22/09 18:03 / wen	

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120647-011
Client Sample ID: TW4-3

Report Date: 01/06/10
Collection Date: 12/16/09 10:07
Date Received: 12/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	22	mg/L		1	A4500-Cl B	12/28/09 11:22 / ja	
Nitrogen, Nitrate+Nitrite as N	2.5	mg/L		0.1	E353.2	12/28/09 14:05 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/23/09 12:45 / wen	
Chloroform	ND	ug/L		1.0	SW8260B	12/23/09 12:45 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/23/09 12:45 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/23/09 12:45 / wen	
Surr: Dibromofluoromethane	104	%REC		70-130	SW8260B	12/23/09 12:45 / wen	
Surr: p-Bromofluorobenzene	105	%REC		80-120	SW8260B	12/23/09 12:45 / wen	
Surr: Toluene-d8	102	%REC		80-120	SW8260B	12/23/09 12:45 / wen	
Surr: 1,2-Dichlorobenzene-d4	104	%REC		80-120	SW8260B	12/23/09 12:45 / wen	



LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120647-012
Client Sample ID: TW4-12

Report Date: 01/06/10
Collection Date: 12/16/09 08:27
Date Received: 12/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	23	mg/L		1	A4500-Cl B	12/28/09 11:30 / jal	
Nitrogen, Nitrate+Nitrite as N	3.6	mg/L		0.1	E353.2	12/28/09 14:07 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/21/09 17:56 / jlr	
Chloroform	ND	ug/L		1.0	SW8260B	12/21/09 17:56 / jlr	
Chloromethane	ND	ug/L		1.0	SW8260B	12/21/09 17:56 / jlr	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/21/09 17:56 / jlr	
Surr: Dibromofluoromethane	105	%REC		70-130	SW8260B	12/21/09 17:56 / jlr	
Surr: p-Bromofluorobenzene	103	%REC		80-120	SW8260B	12/21/09 17:56 / jlr	
Surr: Toluene-d8	98.0	%REC		80-120	SW8260B	12/21/09 17:56 / jlr	
Surr: 1,2-Dichlorobenzene-d4	110	%REC		80-120	SW8260B	12/21/09 17:56 / jlr	



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120647-013
Client Sample ID: TW4-13

Report Date: 01/06/10
Collection Date: 12/16/09 08:36
Date Received: 12/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	60	mg/L		1	A4500-Cl B	12/28/09 11:31 / jal	
Nitrogen, Nitrate+Nitrite as N	4.1	mg/L		0.1	E353.2	12/28/09 14:10 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/21/09 18:32 / jlr	
Chloroform	ND	ug/L		1.0	SW8260B	12/21/09 18:32 / jlr	
Chloromethane	ND	ug/L		1.0	SW8260B	12/21/09 18:32 / jlr	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/21/09 18:32 / jlr	
Surr: Dibromofluoromethane	102	%REC		70-130	SW8260B	12/21/09 18:32 / jlr	
Surr: p-Bromofluorobenzene	103	%REC		80-120	SW8260B	12/21/09 18:32 / jlr	
Surr: Toluene-d8	98.0	%REC		80-120	SW8260B	12/21/09 18:32 / jlr	
Surr: 1,2-Dichlorobenzene-d4	110	%REC		80-120	SW8260B	12/21/09 18:32 / jlr	

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120647-014
Client Sample ID: TW4-14

Report Date: 01/06/10
Collection Date: 12/16/09 08:45
Date Received: 12/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	34	mg/L		1	A4500-Cl B	12/28/09 11:33 / jal	
Nitrogen, Nitrate+Nitrite as N	1.4	mg/L		0.1	E353.2	12/28/09 14:12 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/21/09 19:07 / jlr	
Chloroform	ND	ug/L		1.0	SW8260B	12/21/09 19:07 / jlr	
Chloromethane	ND	ug/L		1.0	SW8260B	12/21/09 19:07 / jlr	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/21/09 19:07 / jlr	
Surr: Dibromofluoromethane	109	%REC		70-130	SW8260B	12/21/09 19:07 / jlr	
Surr: p-Bromofluorobenzene	104	%REC		80-120	SW8260B	12/21/09 19:07 / jlr	
Surr: Toluene-d8	98.0	%REC		80-120	SW8260B	12/21/09 19:07 / jlr	
Surr: 1,2-Dichlorobenzene-d4	110	%REC		80-120	SW8260B	12/21/09 19:07 / jlr	



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120647-015
Client Sample ID: TW4-17

Report Date: 01/06/10
Collection Date: 12/16/09 13:46
Date Received: 12/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	34	mg/L		1	A4500-Cl B	12/28/09 11:35 / ja	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1	E353.2	12/28/09 14:20 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/22/09 13:24 / wen	
Chloroform	ND	ug/L		1.0	SW8260B	12/22/09 13:24 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/22/09 13:24 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/22/09 13:24 / wen	
Surr: Dibromofluoromethane	119	%REC		70-130	SW8260B	12/22/09 13:24 / wen	
Surr: p-Bromofluorobenzene	113	%REC		80-120	SW8260B	12/22/09 13:24 / wen	
Surr: Toluene-d8	104	%REC		80-120	SW8260B	12/22/09 13:24 / wen	
Surr: 1,2-Dichlorobenzene-d4	109	%REC		80-120	SW8260B	12/22/09 13:24 / wen	

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120647-016
Client Sample ID: TW4-23

Report Date: 01/06/10
Collection Date: 12/16/09 09:57
Date Received: 12/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	37	mg/L		1	A4500-Cl B	12/28/09 11:37 / ja	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1	E353.2	12/28/09 14:22 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/22/09 13:58 / wen	
Chloroform	ND	ug/L		1.0	SW8260B	12/22/09 13:58 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/22/09 13:58 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/22/09 13:58 / wen	
Surr: Dibromofluoromethane	115	%REC		70-130	SW8260B	12/22/09 13:58 / wen	
Surr: p-Bromofluorobenzene	111	%REC		80-120	SW8260B	12/22/09 13:58 / wen	
Surr: Toluene-d8	105	%REC		80-120	SW8260B	12/22/09 13:58 / wen	
Surr: 1,2-Dichlorobenzene-d4	106	%REC		80-120	SW8260B	12/22/09 13:58 / wen	

Report Definitions: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120647-017
Client Sample ID: TW4-25

Report Date: 01/06/10
Collection Date: 12/16/09 07:41
Date Received: 12/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	371	mg/L		1	A4500-Cl B	12/28/09 11:40 / ja	
Nitrogen, Nitrate+Nitrite as N	14.2	mg/L		0.2	E353.2	12/28/09 14:25 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/22/09 14:33 / wen	
Chloroform	ND	ug/L		1.0	SW8260B	12/22/09 14:33 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/22/09 14:33 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/22/09 14:33 / wen	
Surr: Dibromofluoromethane	107	%REC		70-130	SW8260B	12/22/09 14:33 / wen	
Surr: p-Bromofluorobenzene	112	%REC		80-120	SW8260B	12/22/09 14:33 / wen	
Surr: Toluene-d8	105	%REC		80-120	SW8260B	12/22/09 14:33 / wen	
Surr: 1,2-Dichlorobenzene-d4	106	%REC		80-120	SW8260B	12/22/09 14:33 / wen	

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120647-018
Client Sample ID: TW4-8

Report Date: 01/06/10
Collection Date: 12/17/09 09:30
Date Received: 12/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	51	mg/L		1	A4500-CI B	12/28/09 11:42 / ja	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1	E353.2	12/28/09 14:27 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/22/09 18:38 / wen	
Chloroform	ND	ug/L		1.0	SW8260B	12/22/09 18:38 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/22/09 18:38 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/22/09 18:38 / wen	
Surr: Dibromofluoromethane	106	%REC		70-130	SW8260B	12/22/09 18:38 / wen	
Surr: p-Bromofluorobenzene	104	%REC		80-120	SW8260B	12/22/09 18:38 / wen	
Surr: Toluene-d8	102	%REC		80-120	SW8260B	12/22/09 18:38 / wen	
Surr: 1,2-Dichlorobenzene-d4	102	%REC		80-120	SW8260B	12/22/09 18:38 / wen	

Report Definitions: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120647-019
Client Sample ID: TW4-9

Report Date: 01/06/10
Collection Date: 12/17/09 09:22
Date Received: 12/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	37	mg/L		1	A4500-CI B	12/28/09 11:44 / ja	
Nitrogen, Nitrate+Nitrite as N	1.7	mg/L		0.1	E353.2	12/28/09 14:30 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/22/09 22:43 / wen	
Chloroform	ND	ug/L		1.0	SW8260B	12/22/09 22:43 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/22/09 22:43 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/22/09 22:43 / wen	
Surr: Dibromofluoromethane	104	%REC		70-130	SW8260B	12/22/09 22:43 / wen	
Surr: p-Bromofluorobenzene	101	%REC		80-120	SW8260B	12/22/09 22:43 / wen	
Surr: Toluene-d8	104	%REC		80-120	SW8260B	12/22/09 22:43 / wen	
Surr: 1,2-Dichlorobenzene-d4	103	%REC		80-120	SW8260B	12/22/09 22:43 / wen	



LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120647-020
Client Sample ID: TW4-16

Report Date: 01/06/10
Collection Date: 12/17/09 09:40
Date Received: 12/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	76	mg/L		1	A4500-Cl B	12/28/09 11:45 / ja	
Nitrogen, Nitrate+Nitrite as N	5.2	mg/L		0.2	E353.2	12/28/09 14:40 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/22/09 19:48 / wen	
Chloroform	ND	ug/L		1.0	SW8260B	12/22/09 19:48 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/22/09 19:48 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/22/09 19:48 / wen	
Surr: Dibromofluoromethane	114	%REC		70-130	SW8260B	12/22/09 19:48 / wen	
Surr: p-Bromofluorobenzene	107	%REC		80-120	SW8260B	12/22/09 19:48 / wen	
Surr: Toluene-d8	104	%REC		80-120	SW8260B	12/22/09 19:48 / wen	
Surr: 1,2-Dichlorobenzene-d4	107	%REC		80-120	SW8260B	12/22/09 19:48 / wen	



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120647-021
Client Sample ID: TW4-24

Report Date: 01/06/10
Collection Date: 12/17/09 09:06
Date Received: 12/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	1080	mg/L		1	A4500-Cl B	12/28/09 11:59 / ja	
Nitrogen, Nitrate+Nitrite as N	28.3	mg/L	D	0.3	E353.2	12/28/09 14:42 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/22/09 23:53 / wen	
Chloroform	1.2	ug/L		1.0	SW8260B	12/22/09 23:53 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/22/09 23:53 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/22/09 23:53 / wen	
Surr: Dibromofluoromethane	111	%REC		70-130	SW8260B	12/22/09 23:53 / wen	
Surr: p-Bromofluorobenzene	102	%REC		80-120	SW8260B	12/22/09 23:53 / wen	
Surr: Toluene-d8	102	%REC		80-120	SW8260B	12/22/09 23:53 / wen	
Surr: 1,2-Dichlorobenzene-d4	106	%REC		80-120	SW8260B	12/22/09 23:53 / wen	

Report Definitions:
Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.
D - RL increased due to sample matrix interference.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120647-022
Client Sample ID: TW4-8R

Report Date: 01/06/10
Collection Date: 12/16/09 10:54
DateReceived: 12/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1	A4500-CI B	12/28/09 12:11 / ja	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1	E353.2	12/28/09 14:45 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/23/09 00:28 / wen	
Chloroform	ND	ug/L		1.0	SW8260B	12/23/09 00:28 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/23/09 00:28 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/23/09 00:28 / wen	
Surr: Dibromofluoromethane	107	%REC		70-130	SW8260B	12/23/09 00:28 / wen	
Surr: p-Bromofluorobenzene	106	%REC		80-120	SW8260B	12/23/09 00:28 / wen	
Surr: Toluene-d8	103	%REC		80-120	SW8260B	12/23/09 00:28 / wen	
Surr: 1,2-Dichlorobenzene-d4	107	%REC		80-120	SW8260B	12/23/09 00:28 / wen	



LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120647-023
Client Sample ID: TW4-9R

Report Date: 01/06/10
Collection Date: 12/16/09 12:45
Date Received: 12/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1		A4500-Cl B	12/28/09 12:12 / ja
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1		E353.2	12/28/09 14:47 / jal
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0		SW8260B	12/23/09 01:03 / wen
Chloroform	ND	ug/L		1.0		SW8260B	12/23/09 01:03 / wen
Chloromethane	ND	ug/L		1.0		SW8260B	12/23/09 01:03 / wen
Methylene chloride	ND	ug/L		1.0		SW8260B	12/23/09 01:03 / wen
Surr: Dibromofluoromethane	103	%REC		70-130		SW8260B	12/23/09 01:03 / wen
Surr: p-Bromofluorobenzene	106	%REC		80-120		SW8260B	12/23/09 01:03 / wen
Surr: Toluene-d8	103	%REC		80-120		SW8260B	12/23/09 01:03 / wen
Surr: 1,2-Dichlorobenzene-d4	106	%REC		80-120		SW8260B	12/23/09 01:03 / wen



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120647-024
Client Sample ID: TW4-16R

Report Date: 01/06/10
Collection Date: 12/16/09 14:32
Date Received: 12/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1	A4500-Cl B	12/28/09 12:14 / ja	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1	E353.2	12/28/09 14:50 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/23/09 01:38 / wen	
Chloroform	ND	ug/L		1.0	SW8260B	12/23/09 01:38 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/23/09 01:38 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/23/09 01:38 / wen	
Surr: Dibromofluoromethane	107	%REC		70-130	SW8260B	12/23/09 01:38 / wen	
Surr: p-Bromofluorobenzene	105	%REC		80-120	SW8260B	12/23/09 01:38 / wen	
Surr: Toluene-d8	105	%REC		80-120	SW8260B	12/23/09 01:38 / wen	
Surr: 1,2-Dichlorobenzene-d4	104	%REC		80-120	SW8260B	12/23/09 01:38 / wen	

Report Definitions: RL - Analyte reporting limit.
QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp Report Date: 01/06/10
Project: 4th Quarter Chloroform Collection Date: 12/16/09 16:15
Lab ID: C09120647-025 Date Received: 12/18/09
Client Sample ID: TW4-24R Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	ND	mg/L		1	A4500-Cl B	12/28/09 12:16 / ja	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1	E353.2	12/28/09 15:00 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/23/09 02:13 / wen	
Chloroform	ND	ug/L		1.0	SW8260B	12/23/09 02:13 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/23/09 02:13 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/23/09 02:13 / wen	
Surr: Dibromofluoromethane	106	%REC		70-130	SW8260B	12/23/09 02:13 / wen	
Surr: p-Bromofluorobenzene	108	%REC		80-120	SW8260B	12/23/09 02:13 / wen	
Surr: Toluene-d8	103	%REC		80-120	SW8260B	12/23/09 02:13 / wen	
Surr: 1,2-Dichlorobenzene-d4	107	%REC		80-120	SW8260B	12/23/09 02:13 / wen	



LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120647-026
Client Sample ID: TW4-60

Report Date: 01/06/10
Collection Date: 12/17/09 10:00
Date Received: 12/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	1	mg/L		1	A4500-Cl B	12/28/09 12:18 / ja	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1	E353.2	12/28/09 15:02 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/23/09 02:48 / wen	
Chloroform	ND	ug/L		1.0	SW8260B	12/23/09 02:48 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/23/09 02:48 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/23/09 02:48 / wen	
Surr: Dibromofluoromethane	108	%REC		70-130	SW8260B	12/23/09 02:48 / wen	
Surr: p-Bromofluorobenzene	105	%REC		80-120	SW8260B	12/23/09 02:48 / wen	
Surr: Toluene-d8	106	%REC		80-120	SW8260B	12/23/09 02:48 / wen	
Surr: 1,2-Dichlorobenzene-d4	103	%REC		80-120	SW8260B	12/23/09 02:48 / wen	



LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Lab ID: C09120647-027
Client Sample ID: TW4-65

Report Date: 01/06/10
Collection Date: 12/16/09 13:46
Date Received: 12/18/09
Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
MAJOR IONS							
Chloride	33	mg/L		1	A4500-Cl B	12/28/09 12:20 / ja	
Nitrogen, Nitrate+Nitrite as N	ND	mg/L		0.1	E353.2	12/28/09 15:05 / jal	
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/23/09 03:23 / wen	
Chloroform	ND	ug/L		1.0	SW8260B	12/23/09 03:23 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/23/09 03:23 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/23/09 03:23 / wen	
Surr: Dibromofluoromethane	113	%REC		70-130	SW8260B	12/23/09 03:23 / wen	
Surr: p-Bromofluorobenzene	104	%REC		80-120	SW8260B	12/23/09 03:23 / wen	
Surr: Toluene-d8	101	%REC		80-120	SW8260B	12/23/09 03:23 / wen	
Surr: 1,2-Dichlorobenzene-d4	109	%REC		80-120	SW8260B	12/23/09 03:23 / wen	



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LABORATORY ANALYTICAL REPORT

Client: Denison Mines (USA) Corp Report Date: 01/06/10
Project: 4th Quarter Chloroform Collection Date: 12/17/09
Lab ID: C09120647-028 Date Received: 12/18/09
Client Sample ID: Trip Blank Matrix: Aqueous

Analyses	Result	Units	Qualifier	RL	MCL/ QCL	Method	Analysis Date / By
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	ND	ug/L		1.0	SW8260B	12/22/09 19:13 / wen	
Chloroform	ND	ug/L		1.0	SW8260B	12/22/09 19:13 / wen	
Chloromethane	ND	ug/L		1.0	SW8260B	12/22/09 19:13 / wen	
Methylene chloride	ND	ug/L		1.0	SW8260B	12/22/09 19:13 / wen	
Surr: Dibromofluoromethane	101	%REC		70-130	SW8260B	12/22/09 19:13 / wen	
Surr: p-Bromofluorobenzene	106	%REC		80-120	SW8260B	12/22/09 19:13 / wen	
Surr: Toluene-d8	101	%REC		80-120	SW8260B	12/22/09 19:13 / wen	
Surr: 1,2-Dichlorobenzene-d4	104	%REC		80-120	SW8260B	12/22/09 19:13 / wen	

Report Definitions: RL - Analyte reporting limit.
Definitions: QCL - Quality control limit.

MCL - Maximum contaminant level.
ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Denison Mines (USA) Corp

Report Date: 01/06/10

Project: 4th Quarter Chloroform

Work Order: C09120647

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: A4500-CI B										Batch: 091228-CL-TTR-W
Sample ID: MBLK9-091228		Method Blank								
Chloride		ND	mg/L	0.4						
Sample ID: C09120638-008AMS		Sample Matrix Spike								
Chloride		252	mg/L	1.0	102	90	110			
Sample ID: C09120638-008AMS		Sample Matrix Spike Duplicate								
Chloride		249	mg/L	1.0	100	90	110	1.4	10	
Sample ID: LCS35-091228		Laboratory Control Sample								
Chloride		3530	mg/L	1.0	100	90	110			
Sample ID: C09120647-003AMS		Sample Matrix Spike								
Chloride		477	mg/L	1.0	100	90	110			
Sample ID: C09120647-003AMS		Sample Matrix Spike Duplicate								
Chloride		477	mg/L	1.0	100	90	110	0	10	
Sample ID: C09120647-021AMS		Sample Matrix Spike								
Chloride		2840	mg/L	1.0	100	90	110			
Sample ID: C09120647-021AMS		Sample Matrix Spike Duplicate								
Chloride		2840	mg/L	1.0	100	90	110	0	10	
Sample ID: C09120811-004AMS		Sample Matrix Spike								
Chloride		35.0	mg/L	1.0	99	90	110			
Sample ID: C09120811-004AMS		Sample Matrix Spike Duplicate								
Chloride		35.7	mg/L	1.0	101	90	110	2	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.



QA/QC Summary Report

Client: Denison Mines (USA) Corp

Report Date: 01/06/10

Project: 4th Quarter Chloroform

Work Order: C09120647

Analyte	Count	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: E353.2										Batch: R128055
Sample ID: MBLK-1		Method Blank								12/28/09 12:15
Nitrogen, Nitrate+Nitrite as N		ND	mg/L	0.03						
Sample ID: LCS-2		Laboratory Control Sample								12/28/09 12:17
Nitrogen, Nitrate+Nitrite as N		2.60	mg/L	0.10	102	90	110			
Sample ID: C09120638-005DMS		Sample Matrix Spike								12/28/09 13:12
Nitrogen, Nitrate+Nitrite as N		3.79	mg/L	0.10	112	90	110			S
Sample ID: C09120638-005DMSD		Sample Matrix Spike Duplicate								12/28/09 13:15
Nitrogen, Nitrate+Nitrite as N		3.75	mg/L	0.10	110	90	110	1.1		10
Sample ID: C09120647-009BMS		Sample Matrix Spike								12/28/09 13:55
Nitrogen, Nitrate+Nitrite as N		1.92	mg/L	0.10	95	90	110			
Sample ID: C09120647-009BMSD		Sample Matrix Spike Duplicate								12/28/09 13:57
Nitrogen, Nitrate+Nitrite as N		1.99	mg/L	0.10	98	90	110	3.6		10
Sample ID: C09120647-019BMS		Sample Matrix Spike								12/28/09 14:32
Nitrogen, Nitrate+Nitrite as N		3.54	mg/L	0.10	90	90	110			
Sample ID: C09120647-019BMSD		Sample Matrix Spike Duplicate								12/28/09 14:35
Nitrogen, Nitrate+Nitrite as N		3.66	mg/L	0.10	96	90	110	3.3		10
Sample ID: C09120579-016FMS		Sample Matrix Spike								12/28/09 15:12
Nitrogen, Nitrate+Nitrite as N		2.51	mg/L	0.10	94	90	110			
Sample ID: C09120579-016FMSD		Sample Matrix Spike Duplicate								12/28/09 15:15
Nitrogen, Nitrate+Nitrite as N		2.49	mg/L	0.10	93	90	110	0.8		10

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform

Report Date: 12/23/09
Work Order: C09120647

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R127911
Sample ID: 21-Dec-09_LCS_3	Laboratory Control Sample				Run: 5975VOC1_091221A				12/21/09 12:38
Carbon tetrachloride	12	ug/L	1.0	119	70	130			
Chloroform	12	ug/L	1.0	118	70	130			
Chloromethane	7.7	ug/L	1.0	77	70	130			
Methylene chloride	11	ug/L	1.0	112	70	130			
Surr: Dibromofluoromethane			1.0	101	70	130			
Surr: p-Bromofluorobenzene			1.0	102	80	130			
Surr: Toluene-d8			1.0	104	80	120			
Surr: 1,2-Dichlorobenzene-d4			1.0	94	80	120			
Sample ID: 21-Dec-09_MBLK_6	Method Blank				Run: 5975VOC1_091221A				12/21/09 14:23
Carbon tetrachloride	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
Methylene chloride	ND	ug/L	1.0						
Surr: Dibromofluoromethane			1.0	96	70	130			
Surr: p-Bromofluorobenzene			1.0	103	80	120			
Surr: Toluene-d8			1.0	98	80	120			
Surr: 1,2-Dichlorobenzene-d4			1.0	110	80	120			
Sample ID: C09120647-002CMS	Sample Matrix Spike				Run: 5975VOC1_091221A				12/21/09 19:43
Carbon tetrachloride	1300	ug/L	100	126	70	130			
Chloroform	3400	ug/L	100	158	70	130			S
Chloromethane	800	ug/L	100	80	70	130			
Methylene chloride	1200	ug/L	100	119	70	130			
Surr: Dibromofluoromethane			100	110	70	130			
Surr: p-Bromofluorobenzene			100	101	80	120			
Surr: Toluene-d8			100	104	80	120			
Surr: 1,2-Dichlorobenzene-d4			100	95	80	120			
Sample ID: C09120647-002CMSP	Sample Matrix Spike Duplicate				Run: 5975VOC1_091221A				12/21/09 20:18
Carbon tetrachloride	1200	ug/L	100	120	70	130	4.9	20	
Chloroform	3200	ug/L	100	145	70	130	3.9	20	S
Chloromethane	760	ug/L	100	76	70	130	4.6	20	
Methylene chloride	1200	ug/L	100	116	70	130	2.7	20	
Surr: Dibromofluoromethane			100	106	70	130	0	10	
Surr: p-Bromofluorobenzene			100	101	80	120	0	10	
Surr: Toluene-d8			100	104	80	120	0	10	
Surr: 1,2-Dichlorobenzene-d4			100	94	80	120	0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

S - Spike recovery outside of advisory limits.



QA/QC Summary Report

Client: Denison Mines (USA) Corp

Report Date: 12/23/09

Project: 4th Quarter Chloroform

Work Order: C09120647

Analyte	Result	Units	RL	%REC	Low Limit	High Limit	RPD	RPDLimit	Qual
Method: SW8260B									Batch: R127944
Sample ID: 22-Dec-09_LCS_3	Laboratory Control Sample				Run: GCMS2_091222A				12/22/09 11:06
Carbon tetrachloride	13	ug/L	1.0	130	70	130			
Chloroform	12	ug/L	1.0	119	70	130			
Chloromethane	8.5	ug/L	1.0	85	70	130			
Methylene chloride	8.8	ug/L	1.0	88	70	130			
Surr: Dibromofluoromethane			1.0	100	70	130			
Surr: p-Bromofluorobenzene			1.0	100	80	130			
Surr: Toluene-d8			1.0	104	80	120			
Surr: 1,2-Dichlorobenzene-d4			1.0	104	80	120			
Sample ID: 22-Dec-09_MBLK_6	Method Blank				Run: GCMS2_091222A				12/22/09 12:49
Carbon tetrachloride	ND	ug/L	1.0						
Chloroform	ND	ug/L	1.0						
Chloromethane	ND	ug/L	1.0						
Methylene chloride	ND	ug/L	1.0						
Surr: Dibromofluoromethane			1.0	100	70	130			
Surr: p-Bromofluorobenzene			1.0	112	80	120			
Surr: Toluene-d8			1.0	104	80	120			
Surr: 1,2-Dichlorobenzene-d4			1.0	104	80	120			
Sample ID: C09120647-020CMS	Sample Matrix Spike				Run: GCMS2_091222A				12/22/09 20:23
Carbon tetrachloride	110	ug/L	10	108	70	130			
Chloroform	120	ug/L	10	116	70	130			
Chloromethane	110	ug/L	10	113	70	130			
Methylene chloride	110	ug/L	10	111	70	130			
Surr: Dibromofluoromethane			10	105	70	130			
Surr: p-Bromofluorobenzene			10	96	80	120			
Surr: Toluene-d8			10	104	80	120			
Surr: 1,2-Dichlorobenzene-d4			10	104	80	120			
Sample ID: C09120647-020CMSPD	Sample Matrix Spike Duplicate				Run: GCMS2_091222A				12/22/09 20:58
Carbon tetrachloride	110	ug/L	10	108	70	130	0.4	20	
Chloroform	110	ug/L	10	113	70	130	2.4	20	
Chloromethane	110	ug/L	10	111	70	130	1.4	20	
Methylene chloride	110	ug/L	10	108	70	130	3.3	20	
Surr: Dibromofluoromethane			10	100	70	130	0	10	
Surr: p-Bromofluorobenzene			10	95	80	120	0	10	
Surr: Toluene-d8			10	105	80	120	0	10	
Surr: 1,2-Dichlorobenzene-d4			10	102	80	120	0	10	

Qualifiers:

RL - Analyte reporting limit.

ND - Not detected at the reporting limit.

Chain of Custody and Analytical Request Record

Page 1 of 3

PLEASE PRINT (Provide as much information as possible.)

Company Name: Denison Mines		Project Name, PWS, Permit, Etc. 4 Quarter chloroform		Sample Origin State: UT	EPA/State Compliance: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																																																																																
Report Mail Address: P.O. Box 809 Blanding UT 84511		Contact Name: Ryan Palmer Phone/Fax: 678-2221		Email:	Sampler: (Please Print) Ryan Palmer																																																																																
Invoice Address: "Same"		Invoice Contact & Phone: "Same"		Purchase Order:	Quote/Bottle Order:																																																																																
Special Report/Formats: <input type="checkbox"/> DW <input type="checkbox"/> EDD/EDT (Electronic Data) <input type="checkbox"/> POTW/WWTP Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC		ANALYSIS REQUESTED <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Number of Containers</th> <th style="text-align: left;">Sample Type:</th> <th style="text-align: left;">DW</th> <th style="text-align: left;">A</th> <th style="text-align: left;">W</th> <th style="text-align: left;">S</th> <th style="text-align: left;">V</th> <th style="text-align: left;">B</th> <th style="text-align: left;">O</th> <th style="text-align: left;">DW</th> </tr> </thead> <tbody> <tr> <td></td> <td>Air</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Soils/Solids</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Vegetation</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Bioassay</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>Other</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td>DW - Drinking Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <i>Quarz # 2975</i>		Number of Containers	Sample Type:	DW	A	W	S	V	B	O	DW		Air										Water										Soils/Solids										Vegetation										Bioassay										Other										DW - Drinking Water									 R U S H	Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page Comments: <i>3 °C</i>
Number of Containers	Sample Type:	DW	A	W	S	V	B	O	DW																																																																												
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SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date	Collection Time	MATRIX	Standard Turnaround (TAT)																																																																																
1	TW4-15	12-14-09	1420	5-W	X																																																																																
2	MW-4	12-14-09	1400	5-W	X																																																																																
3	TW4-19	12-14-09	1550	5-W	X																																																																																
4	TW4-20	12-14-09	1325	5-W	X																																																																																
5	TW4-3R	12-15-09	0820	5-W	X																																																																																
6	TW4-12R	12-15-09	0940	5-W	X																																																																																
7	TW4-13R	12-15-09	1115	5-W	X																																																																																
8	TW4-14R	12-15-09	1313	5-W	X																																																																																
9	TW4-25R	12-15-09	1555	5-W	X																																																																																
10	TW4-23R	12-15-09	1412	5-W	X																																																																																
LABORATORY USE ONLY <i>CD91201214</i>																																																																																					
Custody Record MUST be Signed	Relinquished by (print): <i>Ryan Palmer</i>	Date/Time: <i>12-17-09 1300</i>	Signature: <i>ljk</i>	Received by (print): <i>John</i>	Date/Time: <i>12/18/09 9:10</i>	Signature: <i>John</i>																																																																															
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Sample Disposal: Return to Client: _____		Lab Disposal: _____		Received by Laboratory: <i>John</i>	Date/Time: <i>12/18/09 9:10</i>	Signature: <i>John</i>																																																																															

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Chain of Custody and Analytical Request Record

Page 2 of 3

PLEASE PRINT (Provide as much information as possible.)

Company Name: Denison Mines		Project Name, PWS, Permit, Etc. 4th Quarter Chloroform		Sample Origin State: UT	EPA/State Compliance: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																								
Report Mail Address: PO Box 809 Blanding UT 84511		Contact Name: Ryan Palmer Phone/Fax: 435 678 2221		Email:	Sampler: (Please Print) Ryan Palmer																								
Invoice Address: Same		Invoice Contact & Phone: Same		Purchase Order:	Quote/Bottle Order:																								
Special Report/Formats: <input type="checkbox"/> DW <input type="checkbox"/> EDD/EDT(Electronic Data) <input type="checkbox"/> POTW/WWTP Format: _____ <input type="checkbox"/> State: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> Other: _____ <input type="checkbox"/> NELAC		ANALYSIS REQUESTED <table border="1"> <tr> <td>Number of Containers</td> <td>A</td> <td>W</td> <td>S</td> <td>V</td> <td>B</td> <td>O</td> <td>DW</td> </tr> <tr> <td>Sample Type:</td> <td>Air</td> <td>Water</td> <td>Soils</td> <td>Soil/Solids</td> <td>Biosassay</td> <td>Other</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>DW - Drinking Water</td> </tr> </table> <p><i>Note # 2935</i></p>		Number of Containers	A	W	S	V	B	O	DW	Sample Type:	Air	Water	Soils	Soil/Solids	Biosassay	Other									DW - Drinking Water	<p>→</p> <p>R U S H</p> <p>Standard Turnaround (TAT)</p>	Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page
Number of Containers	A	W	S	V	B	O	DW																						
Sample Type:	Air	Water	Soils	Soil/Solids	Biosassay	Other																							
							DW - Drinking Water																						
		Comments:																											
		Shipped by: Fed EX																											
		Cooler ID(s): Ciant																											
		Receipt Temp 3 °C																											
		On Ice: Y N																											
		Custody Seal On Bottle Y N On Cooler Y N																											
		Intact Y N																											
		Signature Match Y N																											
		LABORATORY USE ONLY <i>(09120647)</i>																											
Custody Record MUST be Signed Relinquished by (print): Ryan Palmer Date/Time: 12.17.09 1300 Signature: <i>[Signature]</i>		Received by (print): _____ Date/Time: _____ Signature: _____																											
Relinquished by (print): _____ Date/Time: _____ Signature: _____		Received by (print): _____ Date/Time: _____ Signature: _____																											
Sample Disposal: Return to Client: _____ Lab Disposal: _____		Received by Laboratory: Denison Date/Time: 12/18/09 9:00 Signature: <i>[Signature]</i>																											

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Chain of Custody and Analytical Request Record

Page 3 of 3

PLEASE PRINT (Provide as much information as possible.)

Company Name: <i>Denison Mines</i>		Project Name, PWS, Permit, Etc. <i>4th Quarter Chloroform</i>				Sample Origin State: <i>UT</i>	EPA/State Compliance: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Report Mail Address: <i>PO Box 809 Blanding, UT 84511</i>		Contact Name: <i>Ryan Palmer</i> Phone/Fax: <i>435 678 2221</i>				Email:	Sampler: (Please Print) <i>Ryan Palmer</i>	
Invoice Address: <i>Same</i>		Invoice Contact & Phone: <i>Same</i>				Purchase Order:	Quote/Bottle Order:	
Special Report/Formats:		ANALYSIS REQUESTED				<p style="text-align: center;">→</p> <p>Contact ELI prior to RUSH sample submittal for charges and scheduling – See Instruction Page</p> <p>R U S H</p> <p>Comments:</p>		Shipped by: <i>FedEx</i>
<input type="checkbox"/> DW <input type="checkbox"/> POTW/WWTP <input type="checkbox"/> State: _____ <input type="checkbox"/> Other: _____		<input type="checkbox"/> EDD/EDT (Electronic Data) Format: _____ <input type="checkbox"/> LEVEL IV <input type="checkbox"/> NELAC				Number of Containers Sample Type: AW SV BO DW Air Water Solids/Solids Vegetation Bioassay Other DW - Drinking Water	Standard Turnaround (TAT)	Cooler ID(s): <i>Cient</i> Receipt Temp <i>35</i> °C On Ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N Custody Seal On Bottle <input type="checkbox"/> Y <input checked="" type="checkbox"/> N On Cooler <input type="checkbox"/> Y <input checked="" type="checkbox"/> N Intact <input type="checkbox"/> Y <input checked="" type="checkbox"/> N Signature Match <input type="checkbox"/> Y <input checked="" type="checkbox"/> N
SAMPLE IDENTIFICATION (Name, Location, Interval, etc.)		Collection Date	Collection Time	MATRIX	<i>Line 73 #2975</i> <i>SEE ATTACHED</i>			
1	TW4-24	12-17-09	0906	5-W				
2	TW4-8R	12-16-09	1054	5-W				
3	TW4-9R	12-16-09	1245	5-W				
4	TW4-16R	12-16-09	1432	5-W				
5	TW4-24R	12-16-09	1615	5-W				
6	TW4-60	12-17-09	1000	5-W				
7	TW4-65	12-16-09	1346	5-W				
8								
9								
10								
Custody Record MUST be Signed		Relinquished by (print): <i>Ryan Palmer</i>	Date/Time: <i>12-17-09 1300</i>	Signature: <i>Ryan Palmer</i>	Received by (print):	Date/Time:	Signature:	
Relinquished by (print): <i>Ryan Palmer</i>		Date/Time: <i>12-17-09 1300</i>	Signature: <i>Ryan Palmer</i>	Received by (print):	Date/Time:	Signature:		
Sample Disposal: Return to Client:		Lab Disposal:			Received by Laboratory: <i>Indra</i>	Date/Time: <i>12-18-09 910</i>	Signature: <i>Indra</i>	

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Energy Laboratories Inc

Workorder Receipt Checklist



Denison Mines USA Corp

C09120647

Login completed by: Corinne Wagner

Date and Time Received: 12/18/2009 9:10 AM

Reviewed by:

Received by: al

Reviewed Date:

Carrier name: FedEx

Shipping container/cooler in good condition? Yes No Not Present

Custody seals intact on shipping container/cooler? Yes No Not Present

Custody seals intact on sample bottles? Yes No Not Present

Chain of custody present? Yes No

Chain of custody signed when relinquished and received? Yes No

Chain of custody agrees with sample labels? Yes No

Samples in proper container/bottle? Yes No

Sample containers intact? Yes No

Sufficient sample volume for indicated test? Yes No

All samples received within holding time? Yes No

Container/Temp Blank temperature: 3°C On Ice

Water - VOA vials have zero headspace? Yes No No VOA vials submitted

Water - pH acceptable upon receipt? Yes No Not Applicable

Contact and Corrective Action Comments:

None



CLIENT: Denison Mines (USA) Corp
Project: 4th Quarter Chloroform
Sample Delivery Group: C09120647

Date: 06-Jan-10

CASE NARRATIVE

ORIGINAL SAMPLE SUBMITTAL(S)

All original sample submittals have been returned with the data package.

SAMPLE TEMPERATURE COMPLIANCE: 4°C ($\pm 2^\circ\text{C}$)

Temperature of samples received may not be considered properly preserved by accepted standards. Samples that are hand delivered immediately after collection shall be considered acceptable if there is evidence that the chilling process has begun.

GROSS ALPHA ANALYSIS

Method 900.0 for gross alpha and gross beta is intended as a drinking water method for low TDS waters. Data provided by this method for non potable waters should be viewed as inconsistent.

RADON IN AIR ANALYSIS

The desired exposure time is 48 hours (2 days). The time delay in returning the canister to the laboratory for processing should be as short as possible to avoid excessive decay. Maximum recommended delay between end of exposure to beginning of counting should not exceed 8 days.

SOIL/SOLID SAMPLES

All samples reported on an as received basis unless otherwise indicated.

ATRAZINE, SIMAZINE AND PCB ANALYSIS

Data for PCBs, Atrazine and Simazine are reported from EPA 525.2. PCB data reported by ELI reflects the results for seven individual Aroclors. When the results for all seven are ND (not detected), the sample meets EPA compliance criteria for PCB monitoring.

SUBCONTRACTING ANALYSIS

Subcontracting of sample analyses to an outside laboratory may be required. If so, ENERGY LABORATORIES will utilize its branch laboratories or qualified contract laboratories for this service. Any such laboratories will be indicated within the Laboratory Analytical Report.

BRANCH LABORATORY LOCATIONS

eli-b - Energy Laboratories, Inc. - Billings, MT
eli-g - Energy Laboratories, Inc. - Gillette, WY
eli-h - Energy Laboratories, Inc. - Helena, MT
eli-r - Energy Laboratories, Inc. - Rapid City, SD
eli-t - Energy Laboratories, Inc. - College Station, TX

CERTIFICATIONS:

USEPA: WY00002, Radiochemical WY00937; FL-DOH NELAC: E87641, Radiochemical E871017; California: 02118CA;
Oregon: WY200001; Utah: 3072350515; Virginia: 00057; Washington: C1903

ISO 17025 DISCLAIMER:

The results of this Analytical Report relate only to the items submitted for analysis.

ENERGY LABORATORIES, INC. - CASPER,WY certifies that certain method selections contained in this report meet requirements as set forth by the above accrediting authorities. Some results requested by the client may not be covered under these certifications. All analysis data to be submitted for regulatory enforcement should be certified in the sample state of origin. Please verify ELI's certification coverage by visiting www.energylab.com

ELI appreciates the opportunity to provide you with this analytical service. For additional information and services visit our web page www.energylab.com.

THIS IS THE FINAL PAGE OF THE LABORATORY ANALYTICAL REPORT

Tab I

CSV Transmittal Letter

Jo Ann Tischler

From: Jo Ann Tischler
Sent: Thursday, February 25, 2010 1:33 PM
To: 'dfinerfrock@utah.gov'
Cc: David Frydenlund
Subject: Transmittal of CSV files White Mesa MIII 2009 Q4 chloroform monitoring
Attachments: C09120647.csv; C09120811.csv; C09120896.csv

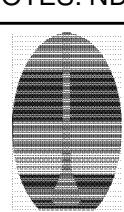
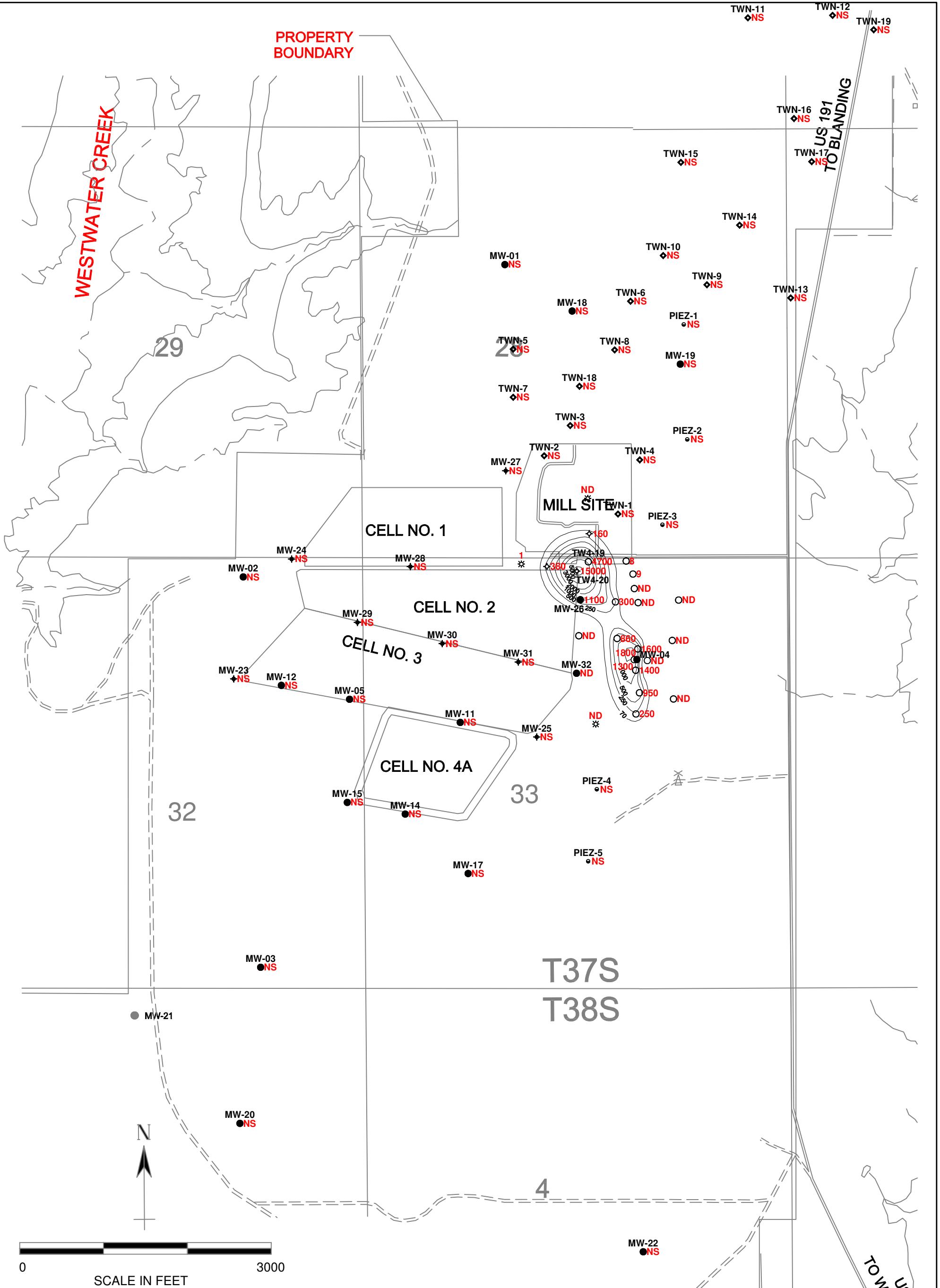
Dear Mr. Finerfrock,

Attached to this email is an electronic copy of laboratory results for chloroform monitoring conducted at the White Mesa Mill during the 4th Quarter, 2009, in Comma Separated Value (CSV) format.

Please contact me at 303-389-4132 if you have any questions.

Yours Truly,

Jo Ann Tischler
Denison Mines (USA) Corp.
Director, Permitting and Compliance



**HYDRO
GEO
CHEM, INC.**

**KRIGED 4th QUARTER, 2009 CHLOROFORM (uG/L)
WHITE MESA SITE**

APPROVED	DATE	REFERENCE	FIGURE
SJS		H:/718000/feb10/chl1209.srf	

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				8.0	
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				7.1	
31-Aug-05	3500				7.0	
1-Dec-05	3000				7.0	
9-Mar-06	3100				6.0	
14-Jun-06	3000				6.0	
20-Jul-06	2820				1.2	
9-Nov-06	2830				6.4	
15-Aug-07	2600				6.2	
10-Oct-07	2300				6.2	
26-Mar-08	2400				5.8	
25-Jun-08	2500				6.09	
10-Sep-08	1800				6.36	
15-Oct-08	2100				5.86	
12-Sep-02	5700				8.3	
24-Nov-02	5000				8.5	
28-Mar-03	4500				8.2	
23-Jun-03	4700				8.4	
12-Sep-03	3400				8.6	
10-Nov-03	4500				8.4	
29-Mar-04	NA				NA	
22-Jun-04	NA				NA	
17-Sep-04	3300				6.83	

MW-4	Chloroform (ug/l)	Carbon tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
17-Nov-04	4100				8	
16-Mar-05	3700				7.1	
25-May-05	3740				7.8	
31-Aug-05	3800	<10	<10	<10	6.9	
1-Dec-05	3000	<50	<50	<50	7	NA
20-Jul-06	2820	<50	<50	<50	1.2	48
9-Nov-06	2830	2.1	1.4	<1	6.4	50
9-Mar-06	3100	<50	<50	50	6	49
14-Jun-06	3000	<50	<50	50	6	49
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
10/15/2008	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

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	5.79					
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	NA				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				10.6	
31-Aug-05	2900	<10	<10	<10	9.8	
1-Dec-05	2400	<50	<50	<50	9.6	
20-Jul-06	2840	<50	<50	<50	9.7	51
8-Nov-06	2260	1.4	<1	<1	9.4	47
9-Mar-06	2700	<50	<50	<50	9.2	49
14-Jun-06	2200	<50	<50	<50	9.2	48
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
29-Dec-09	1400	ND	ND	ND	6.8	41

TW4-2	Chloroform (ug/l)	Carbon tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
10-Nov-99	2510					
2-Sep-00	5220					
28-Nov-00	4220				10.7	
29-Mar-01	3890				10.2	
22-Jun-01	5500				9.67	
20-Sep-01	4900				11.4	
8-Nov-01	5300				10.1	
26-Mar-02	5100				9.98	
23-May-02	4700				9.78	
12-Sep-02	6000				9.44	
24-Nov-02	5400				10.4	
28-Mar-03	4700				9.5	
23-Jun-03	5100				9.6	
12-Sep-03	3200				8.6	
8-Nov-03	4700				9.7	
29-Mar-04	4200				9.14	
22-Jun-04	4300				8.22	
17-Sep-04	4100				8.4	
17-Nov-04	4500				8.6	
16-Mar-05	3700				7.7	
25-May-05	3750				8.6	
31-Aug-05	3900	<10	<10	<10	8.0	
1-Dec-/05	3500	<50	<50	<50	7.8	
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	2.0	ND	ND	6.4	46

TW4-3	Chloroform (ug/l)	Carbon tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
28-Jun-99	3500				7.6	
29-Nov-99	702					
15-Mar-00	834					
2-Sep-00	836				1.56	
29-Nov-00	836				1.97	
27-Mar-01	347				1.85	
21-Jun-01	390				2.61	
20-Sep-01	300				3.06	
7-Nov-01	170				3.6	
26-Mar-02	11				3.87	
21-May-02	204				4.34	
12-Sep-02	203				4.32	
24-Nov-02	102				4.9	
28-Mar-03	ND				4.6	
23-Jun-03	ND				4.8	
12-Sep-03	ND				4.3	
8-Nov-03	ND				4.8	
29-Mar-04	ND				4.48	
22-Jun-04	ND				3.68	
17-Sep-04	ND				3.88	
17-Nov-04	ND				4.1	
16-Mar-05	ND				3.5	
25-May-05	ND				3.7	
31-Aug-05	ND	<1	<1	<1	3.5	
1-Dec-05	ND	<1	2.3	<1	3.3	
9-Mar-06	ND	<1	2.2	<1	3.3	26
14-Jun-06	ND	<1	<1	<1	3.2	26
20-Jul-06	ND	<1	1.6	<1	2.9	26
8-Nov-06	ND	<1	<1	<1	1.5	23
28-Feb-07	ND	<1	<1	<1	3.1	22
27-Jun-07	ND	<1	<1	<1	3.3	23
15-Aug-07	ND	<1	<1	<1	3.1	24
10/10/2007	ND	<1	<1	<1	2.8	27
26-Mar-08	ND	<1	<1	<1	2.8	21
25-Jun-08	ND	<1	<1	<1	2.85	19
10-Sep-08	ND	<1	<1	<1	2.66	19
15-Oct-08	ND	<1	<1	<1	2.63	22
4-Mar-09	ND	<1	<1	<1	2.5	21
24-Jun-09	ND	<1	<1	<1	2.9	20
15-Sep-09	ND	<1	<1	<1	2.8	21
16-Dec-09	ND	ND	ND	ND	2.5	22

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	ND					
2-Sep-00	ND					
28-Nov-00	3.85					
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				10	
31-Aug-05	3200	<10	<10	<10	11.3	
1-Dec-05	2800	50	50	50	10.2	
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	ND	ND	7.6	41

TW4-5	Chloroform (ug/l)	Carbon tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
20-Dec-99	29.5					
15-Mar-00	49					
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					
31-Aug-05	82	<2.5	5.8	<2.5	6	
1-Dec-05	63	<2.5	<2.5	<2.5	6	
9-Mar-06	66	<2.5	3.1	<2.5	6	52
14-Jun-06	51	<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	<1	<1	<1	7.8	57
27-Jun-07	26	<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	<1	<1	<1	7.4	36
25-Jun-08	9.3	<1	<1	<1	8.7	37
10-Sep-08	11	<1	<1	<1	7.91	34
15-Oct-08	10	<1	<1	<1	9.3	37
4-Mar-09	12	<1	<1	<1	7.9	34
24-Jun-09	13	<1	<1	<1	7.5	37
15-Sep-09	12	<1	>1	<1	8.3	48
22-Dec-09	8.5	ND	ND	ND	7.5	41

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	ND					
2-Sep-00	ND					
28-Nov-00	ND				ND	
26-Mar-01	ND				.13	
20-Jun-01	ND				ND	
20-Sep-01	3.6				ND	
7-Nov-01	1.00				ND	
26-Mar-02	ND				ND	
21-May-02	ND				ND	
12-Sep-02	ND				ND	
24-Nov-02	ND				ND	
28-Mar-03	ND				0.1	
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				0.2	
25-May-05	ND				0.4	
31-Aug-05	10.0	<10	2.8	<10	0.8	
1-Dec-05	17	<1	1.3	<1	0.9	
9-Mar-06	31	<1	<1	<1	1.2	31
14-Jun-06	19	<1	<1	<1	1.0	30
20-Jul-06	11	<1	<1	<1	0.6	37
8-Nov-06	42.8	<1	<1	<1	1.4	65
28-Feb-07	46	<1	<1	<1	1.5	32
27-Jun-07	11	<1	<1	<1	0.6	38
15-Aug-07	18	<1	<1	<1	0.7	36
10-Oct-07	18	<1	<1	<1	0.8	38
26-3-08	52	<1	<1	<1	1.1	33
25-Jun-08	24	<1	<1	<1	0.9	35
10-Sep-08	39	<1	<1	<1	1.14	35
15-Oct-08	37	<1	<1	<1	1.01	33
11-Mar-09	81	<1	<1	<1	2.2	35
24-Jun-09	120	<1	<1	<1	2.7	37
15-Sep-09	280	<1	<1	<1		37
22-Dec-09	250	ND	ND	ND	6.1	41

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				5.4	
31-Aug-05	3100	<10	<10	<10	5.2	
1-Dec-05	2500	<50	<50	<50	5.3	
9-Mar-06	1900	<50	<50	<50	1.0	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	<1	1	4.1	37
29-Dec-09	1300	ND	ND	ND	4.2	37

TW4-8	Chloroform (ug/l)	Carbon tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
29-Nov-99	ND					
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				ND	
8-Nov-03	21.0				0.1	
29-Mar-04	24				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	ND				0.2	
31-Aug-05	1.1				ND	
1-Dec-05	ND	<1	1.7	<1	ND	
9-Mar-06	1.3	<1	<1	<1	0.3	39
14-Jun-06	ND	<1	2.1	<1	ND	37
20-Jul-06	ND	<1	1.8	<1	0.1	39
8-Nov-06	ND	<1	1	<1	ND	40
28-Feb-07	2.50	<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	ND	42
10-Oct-07	3.5	<1	1	<1	0.5	43
26-Mar-08	ND	<1	1	<1	0.1	46
25-Jun-08	ND	<1	1	<1	ND	45
10-Sep-08	ND	<1	1	<1	ND	39
15-Oct-08	ND	<1	1	<1	ND	44
4-Mar-09	ND	<1	1	<1	ND	42
24-Jun-09	ND	<1	1	<1	ND	44
15-Sep-09	ND	<1	1	<1	ND	44
17-Dec-09	ND	ND	ND	ND	ND	51

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	4.24					
15-Mar-00	1.88					
2-Sep-00	14.2					
29-Nov-00	39.4				ND	
27-Mar-01	43.6				ND	
20-Jun-01	59				.15	
20-Sep-01	19				0.40	
7-Nov-01	49				0.1	
26-Mar-02	41				0.5	
22-May-02	38				0.65	
12-Sep-02	49				0.2	
24-Nov-02	51				0.6	
28-Mar-03	34				0.6	
23-Jun-03	33				0.8	
12-Sep-03	32				1.1	
8-Nov-03	46				1.1	
29-Mar-04	48				0.82	
22-Jun-04	48				0.75	
17-Sep-04	39				0.81	
17-Nov-04	26				1.2	
16-Mar-05	3.8				1.3	
25-May-05	1.2				1.3	
31-Aug-05	ND	<1	2.9	<1	1.3	
1-Dec-05	ND	<1	<1	<1	1.3	
9-Mar-06	ND	<1	2.6	<1	1.5	38
14-Jun-06	ND	<1	2.7	<1	1.5	39
20-Jul-06	ND	<1	<1	<1	0.9	41
8-Nov-06	ND	<1	<1	<1	0.7	44
28-Feb-07	ND	<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	ND	<1	<1	<1	2.79	28
15-Oct-08	ND	<1	<1	<1	1.99	58
4-Mar-09	ND	<1	<1	<1	2.5	30
24-Jun-09	ND	<1	<1	<1	2.3	30
15-Sep-09	ND	<1	<1	<1	2.5	30
17-Dec-09	ND	ND	ND	ND	1.7	37

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	6.0				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				0.8	
31-Aug-05	110				1.1	
1-Dec-05	300	<2.5	<2.5	6.2	3.3	
9-Mar-06	190	<5	<50	<50	2.4	50
14-Jun-06	300	<5	<50	<50	3.5	54
20-Jul-06	504.00	<5	<50	<50	6.8	61
8-Nov-06	452.00	<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	ND	ND	ND	3.5	51

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				9.60	
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				10.3	
31-Aug-05	4400	<10	<10	<10	9.4	
1-Dec-05	4400	<100	<100	<100	9.4	
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	7.0	49
29-Dec-09	860	ND	ND	ND	6.6	46

TW4-12	Chloroform (ug/l)	Carbon tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	1.5				2.54	
24-Nov-02	ND				2.2	
28-Mar-03	ND				1.9	
23-Jun-03	ND				1.8	
12-Sep-03	ND				1.8	
9-Nov-03	ND				1.6	
29-Mar-04	ND				1.58	
22-Jun-04	ND				1.4	
17-Sep-04	ND				1.24	
17-Nov-04	ND				1.5	
16-Mar-05	ND				1.4	
25-May-05	ND				1.6	
31-Aug-05	ND	<1	5.8	<1	1.5	
1-Dec-05	ND		<1	<1	1.4	
9-Mar-06	ND	<1	<1	<1	1.3	19
14-Jun-06	ND	<1	<1	<1	1.4	16
20-Jul-06	ND	<1	<1	<1	1.4	16
8-Nov-06	ND	<1	<1	<1	1.4	16
28-Feb-07	ND	<1	<1	<1	1.5	16
27-Jun-07	ND	<1	<1	<1	1.5	18
Aug-15-07	ND	<1	<1	<1	1.4	29
10-Oct-07	ND	<1	<1	<1	1.4	16
26-Mar-08	ND	<1	<1	<1	1.6	16
25-Jun-08	ND	<1	<1	<1	2.69	19
10-Sep-08	ND	<1	<1	<1	2.65	18
15-Oct-08	ND	<1	<1	<1	2.47	22
4-Mar-09	ND	<1	<1	<1	2.4	23
24-Jun-09	ND	<1	<1	<1	3.8	22
15-Sep-09	ND	<1	<1	<1	5.1	22
16-Dec-09	ND	ND	ND	ND	3.6	23

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	ND				4.3	
31-Aug-05	ND	<1	3.1	<1	4.6	
1-Dec-05	ND	<1	<1	<1	4.3	
9-Mar-06	ND	<1	1.7	<1	4.2	67
14-Jun-06	ND	<1	1.4	<1	4.9	66
20-Jul-06	ND	<1	<1	<1	4.3	65
8-Nov-06	ND	<1	<1	<1	0.8	33
28-Feb-07	ND	<1	<1	<1	4	59
27-Jun-07	ND	<1	<1	<1	4.6	59
15-Aug-07	ND	<1	<1	<1	4.4	58
10-Oct-07	ND	<1	<1	<1	4.1	58
26-Mar-08	ND	<1	<1	<1	3.8	54
25-Jun-08	ND	<1	<1	<1	4.24	58
10-Sep-08	ND	<1	<1	<1	4.26	50
15-Oct-08	ND	<1	<1	<1	4.63	58
4-Mar-09	ND	<1	<1	<1	3.7	58
24-Jun-09	ND	<1	<1	<1	1.2	57
15-Sep-09	ND	<1	<1	<1	4.7	63
16-Dec-09	ND	ND	ND	ND	4.1	60

TW4-14	Chloroform (ug/l)	Carbon tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
8-Nov-06	ND	ND	ND	ND	2.4	37
28-Feb-07	ND	ND	ND	ND	2.3	38
27-Jun-07	ND	ND	ND	ND	1.4	38
15-Aug-07	ND	ND	ND	ND	1.1	36
10-Oct-07	ND	ND	ND	ND	0.8	36
26-Mar-08	ND	ND	ND	ND	.04	57
25-Jun-08	ND	ND	ND	ND	1.56	35
10-Sep-08	ND	ND	ND	ND	1.34	34
15-Oct-08	ND	ND	ND	ND	0.76	40
4-Mar-09	ND	ND	ND	ND	1.6	35
24-Jun-09	ND	ND	ND	ND	1.4	36
15-Sep-09	ND	ND	ND	ND	1.5	38
16-Dec-09	ND	ND	ND	ND	1.4	34

TW4-15 (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	2.6				ND	
24-Nov-02	ND				ND	
28-Mar-03	ND				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				0.2	
31-Aug-05	960	<5	5.4	<5	0.2	
1-Dec-05	1000		<50	<50	0.3	
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	ND	ND	40	2.3	60

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				ND	
31-Aug-05	85	<1	3.2	43	ND	
1-Dec-05	14	<1	2.6	5.9	1.4	
9-Mar-06	39	<1	1.1	21	3.0	60
14-Jun-06	13	<1	2.4	8.9	1.9	55
20-Jul-06	5	<1	<1	2.7	2.7	60
8-Nov-06	13.6	<1	<1	9.2	5.6	62
28-Feb-07	8.70	<1	<1	6.5	12.3	79
27-Jun-07	2.60	<1	<1	1.8	9.9	75
15-Aug-07	7.10	<1	<1	5.1	5.4	66
10-Oct-07	1.40	<1	<1	<1	4.4	69
26-Mar-08	11.00	<1	<1	26	ND	52
25-Jun-08	ND	<1	<1	<1	1.46	58
10-Sep-08	10.00	<1	<1	14	10.5	71
15-Oct-08	3.9	<1	<1	6.6	9.82	89
4-Mar-09	ND	<1	<1	<1	9.6	78
24-Jun-09	ND	<1	<1	<1	8.9	76
15-Sep-09	ND	<1	<1	<1	8.8	79
17-Dec-09	ND	ND	ND	ND	5.2	76

TW4-17 (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	ND				ND	
31-Aug-05	ND	<1	3.2	<1	ND	
1-Dec-05	ND	<1	1		ND	32
9-Mar-06	ND	<1	1		ND	30
14-Jun-06	ND	<1	3.5		ND	32
20-Jul-06	ND	<1	1.8		ND	31
8-Nov-06	ND	<1	1.5		ND	32
28-Feb-07	ND	<1	<1		ND	32
27-Jun-07	ND	<1	<1		ND	31
15-Aug-07	ND	<1	<1		ND	32
10-Oct-07	ND	<1	<1		ND	31
26-Mar-08	ND	<1	<1		ND	29
25-Jun-08	ND	<1	<1		ND	30
10-Sep-08	ND	<1	<1		ND	26
15-Oct-08	ND	<1	<1		ND	30
4-Mar-09	ND	<1	<1		ND	31
15-Sep-09	ND	<1	<1		ND	33
16-Dec-09	ND	ND	ND	ND	ND	34

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				19.9	
9-Nov-03	84				20.7	
29-Mar-04	90				14	
22-Jun-04	82				12.2	
17-Sep-04	38				14.5	
17-Nov-04	51				17.3	
16-Mar-05	38				14.1	
25-May-05	29.8				12.9	
31-Aug-05	39				13.3	
1-Dec-05	14	<1	2.8	<1	7.3	
9-Mar-06	12	<1	1.1	<1	5.9	5.9
14-Jun-06	12	<1	1.6	<1	4.7	35
20-Jul-06	10.80	<1	2.7	<1	6.1	35
8-Nov-06	139.00	<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-08	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	ND	ND	ND	5.4	30

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	
1-Dec-05	2800	50	<50	<50	ND	
9-Mar-06	1200	50	<50	<50	4.0	86
14-Jun-06	1100	50	<50	<50	5.2	116
20-Jul-06	1120	50	<50	<50	4.3	123
8-Nov-07	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-08	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	ND	ND	26.7	124

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	NS	ND	ND	10.1	NS
31-Aug-05	3800	ND	ND	ND	2.9	NS
1-Dec-05	19000	ND	ND	ND	1.8	131
9-Mar-06	9200	ND	ND	ND	3.8	120
14-Jun-06	61000	ND	ND	ND	9.4	235
20-Jul-06	5300	ND	ND	ND	2.9	134
8-Nov-06	11000	7.1	1.9	2.2	3.5	124
28-Feb-07	4400	3.1	ND	1.1	4.2	124
27-Jun-07	1800	2.2	ND	ND	2.3	112
15-Aug-07	5200	3.5	ND	1.8	2.1	117
10-Oct-08	9000	6.8	ND	1.9	5.6	170
26-Mar-08	13000	9.0	ND	1.5	0.9	132
25-Jun-08	30000	13	ND	1.2	7.96	191
10-Sep-08	21000	15	ND	3.7	4.44	156
15-Oct-08	NS	NS	NS	NS	5.51	166
4-Mar-09	8200	5.7	ND	5.2	5.1	164
24-Jun-09	6800	4.9	ND	4.2	2.9	164
15-Sep-09	13000	8.4	ND	4.4	3.3	153
14-Dec-09	15000	14	ND	3.0	5.3	187

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	NS	NS	NS	14.6	NS
31-Aug-05	78	ND	ND	ND	10.1	NS
1-Dec-05	86	ND	1.0	ND	9.6	353
9-Mar-06	120	ND	ND	ND	8.5	347
14-Jun-06	130	ND	ND	ND	10.2	318
20-Jul-06	106	ND	ND	ND	8.9	357
8-Nov-06	12.5	2.0	ND	ND	5.7	296
28-Feb-07	160	1.8	ND	ND	8.7	306
27-Jun-07	300.0	5.8	ND	ND	8.6	327
15-Aug-07	140	ND	ND	ND	8.6	300
10-Oct-07	120	ND	ND	ND	8.3	288
26-Mar-08	380	7.0	ND	ND	14.3	331
25-Jun-08	160	1.7	ND	ND	8.81	271
10-Sep-08	120	1.6	ND	ND	7.57	244
15-Oct-08	170	2.0	ND	ND	8.0	284
11-Mar-09	180	ND	ND	ND	8.3	279
24-Jun-09	200	ND	ND	ND	8.1	291
15-Sep-09	200	ND	ND	ND	9.2	281
29-Dec-09	380	ND	ND	ND	17.8	175

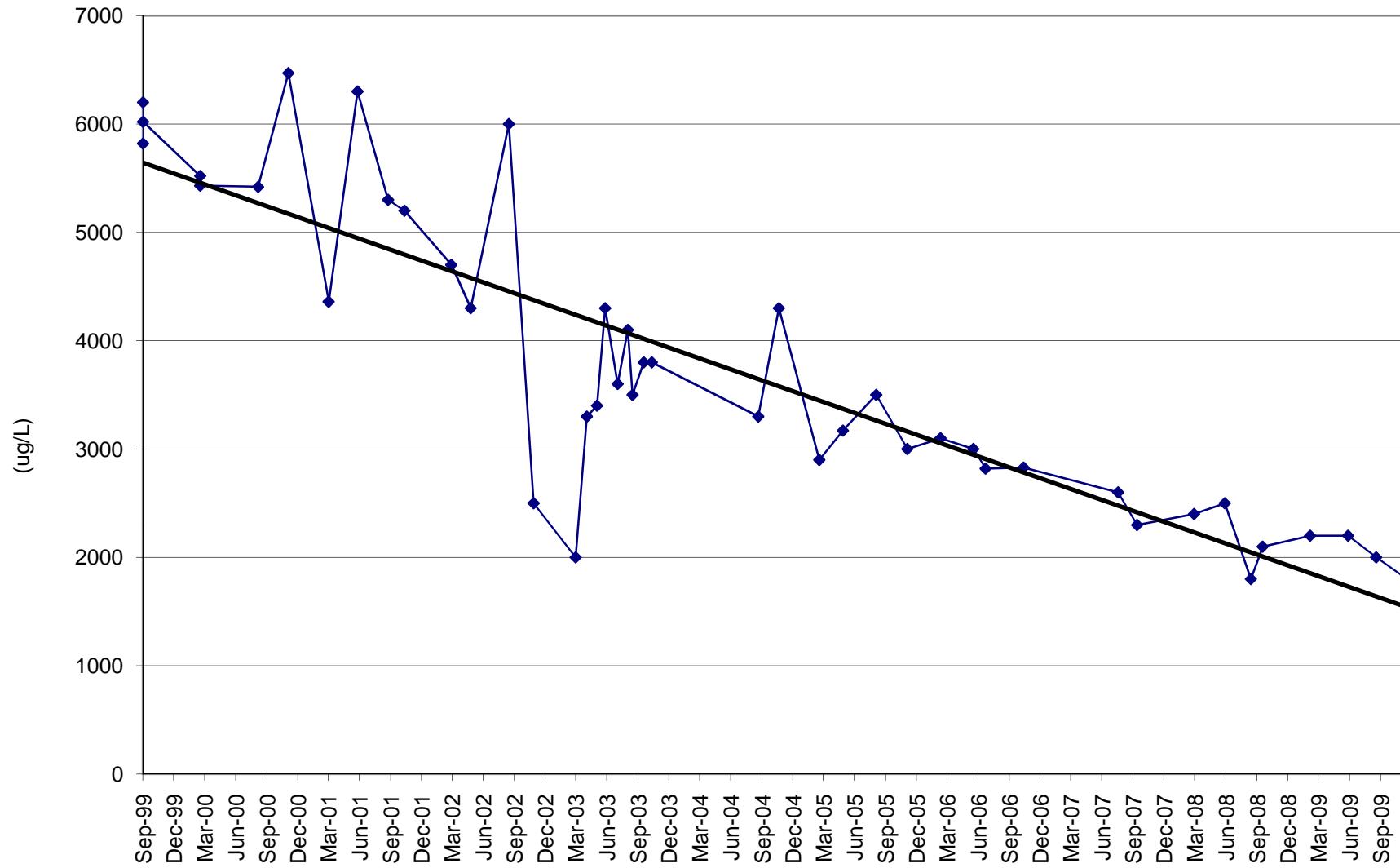
TW4-22	Chloroform (ug/l)	Carbon tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
25-May-05	340	NS	NS	NS	18.2	NS
31-Aug-05	290	ND	ND	ND	15.7	NS
1-Dec-05	320	ND	ND	ND	15.1	263
9-Mar-06	390	ND	ND	ND	15.3	236
06/14/06	280	ND	ND	ND	14.3	221
07/20/06	864	ND	ND	ND	14.5	221
11/08/06	350	ND	1.6	ND	15.9	236
28-Feb-07	440	ND	ND	ND	20.9	347
06/27/07	740	ND	ND	ND	19.3	273
Aug-15-07	530	ND	ND	ND	19.3	259
Oct-10-08	440	ND	ND	ND	18.8	238
03/26/08	1400	ND	ND	ND	39.1	519
06/25/08	1200	ND	ND	ND	41.9	271
10-Sep-08	6300	1.3	ND	ND	38.7	524
15-Oct-08	630	ND	ND	ND	36.3	539
11-Mar-09	390	ND	ND	ND	20.7	177
24-Jun-09	730	ND	ND	ND	20.6	177
15-Sep-09	2300	ND	ND	ND	40.3	391
29-Dec-09	380	ND	ND	ND	17.8	175

TW4-23	Chloroform (ug/l)	Carbon tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
06/27/07	ND	ND	ND	ND	ND	47
Aug-15-07	ND	ND	ND	ND	ND	46
Oct-10-08	ND	ND	ND	ND	ND	43
03/26/08	ND	ND	ND	ND	ND	41
06/25/08	ND	ND	ND	ND	ND	41
10-Sep-08	ND	ND	ND	ND	ND	35
15-Oct-08	ND	ND	ND	ND	ND	51
11-Mar-09	ND	ND	ND	ND	ND	41
24-Jun-09	ND	ND	ND	ND	ND	43
15-Sep-09	ND	ND	ND	ND	ND	43
16-Dec-09	ND	ND	ND	ND	ND	37

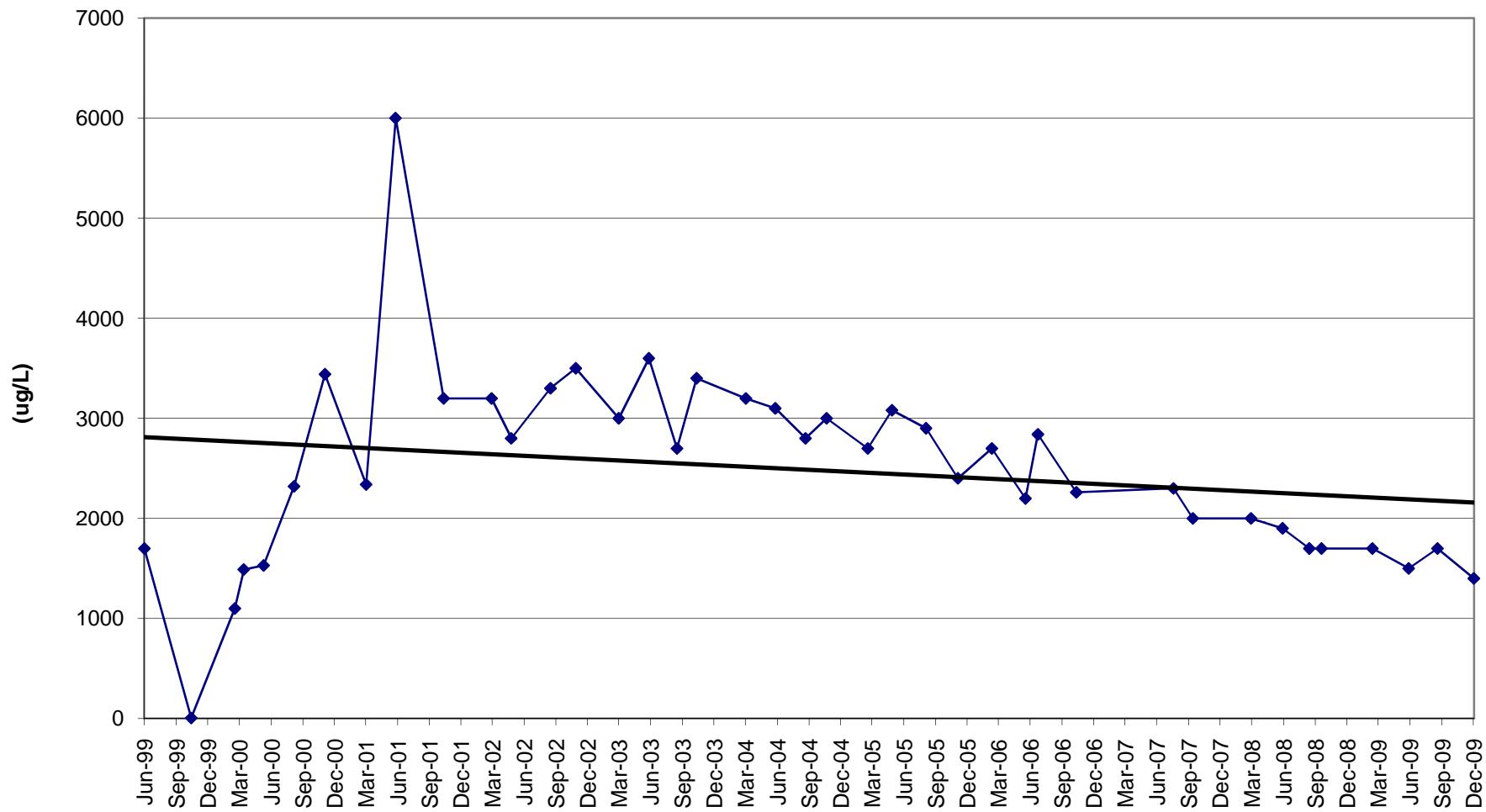
TW4-24	Chloroform (ug/l)	Carbon tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
06/27/07	0	ND	ND	ND	26.1	770
Aug-15-07	0	ND	ND	ND	29.0	791
Oct-10-08	1.5	ND	ND	ND	24.7	692
03/26/08	2.9	ND	ND	ND	24.4	740
06/25/08	1.4	ND	ND	ND	45.3	834
10-Sep-08	1.5	ND	ND	ND	38.4	1180
15-Oct-08	0	ND	ND	ND	44.6	1130
11-Mar-09	1.4	ND	ND	ND	30.5	1010
24-Jun-09	1.5	ND	ND	ND	30.4	759
15-Sep-09	2.2	ND	ND	ND	30.7	618
17-Dec-09	1.2	ND	ND	ND	28.3	1080

TW4-25	Chloroform (ug/l)	Carbon tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
06/27/07	ND	ND	ND	ND	17.1	395
Aug-15-07	ND	ND	ND	ND	16.7	382
Oct-10-08	ND	ND	ND	ND	17.0	356
03/26/08	ND	ND	ND	ND	18.7	374
06/25/08	ND	ND	ND	ND	22.1	344
10-Sep-08	ND	ND	ND	ND	18.8	333
15-Oct-08	ND	ND	ND	ND	21.3	366
11-Mar-09	ND	ND	ND	ND	15.3	332
24-Jun-09	ND	ND	ND	ND	15.3	328
15-Sep-09	ND	ND	ND	ND	3.3	328
16-Dec-09	ND	ND	ND	ND	14.2	371

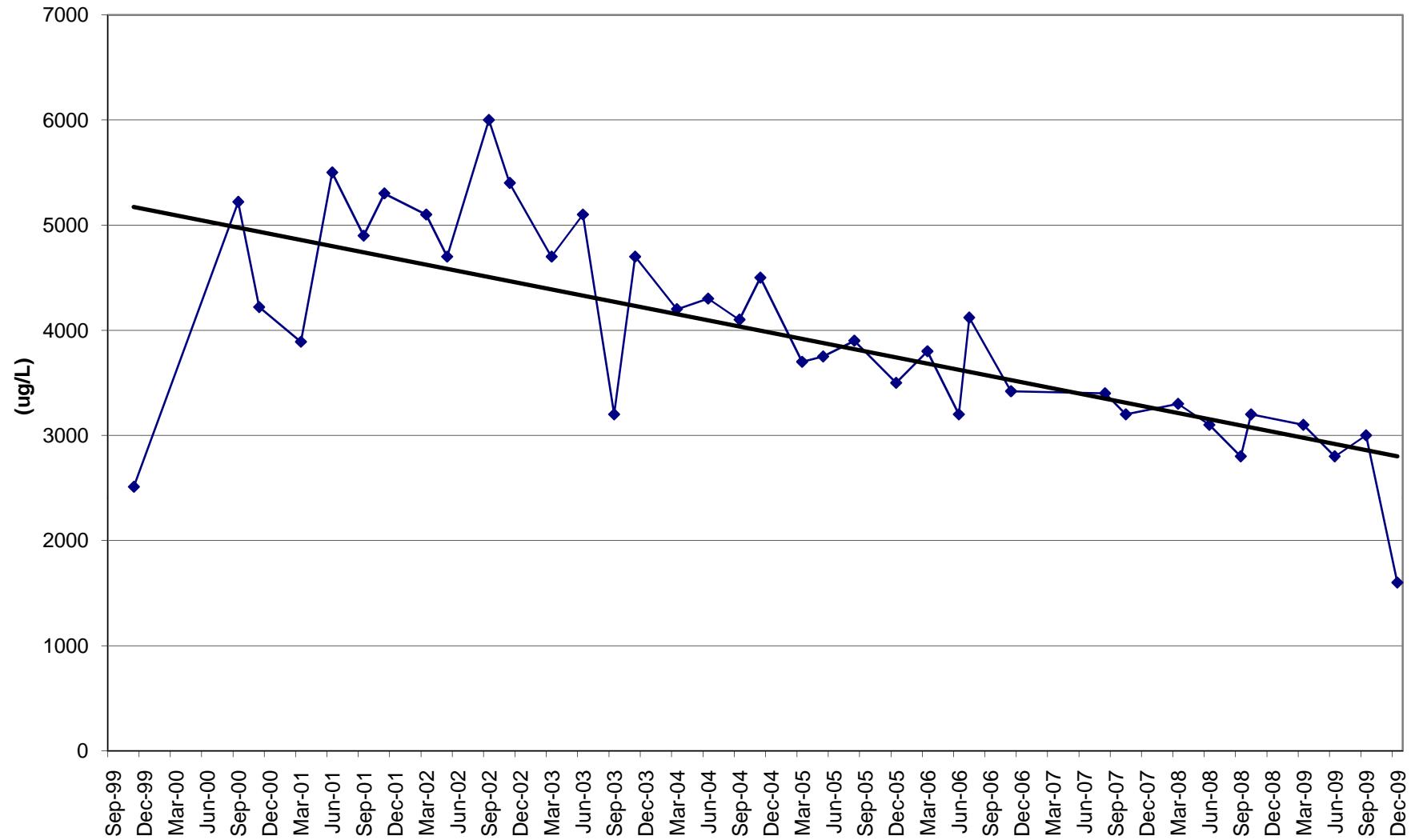
MW4-Chloroform Values



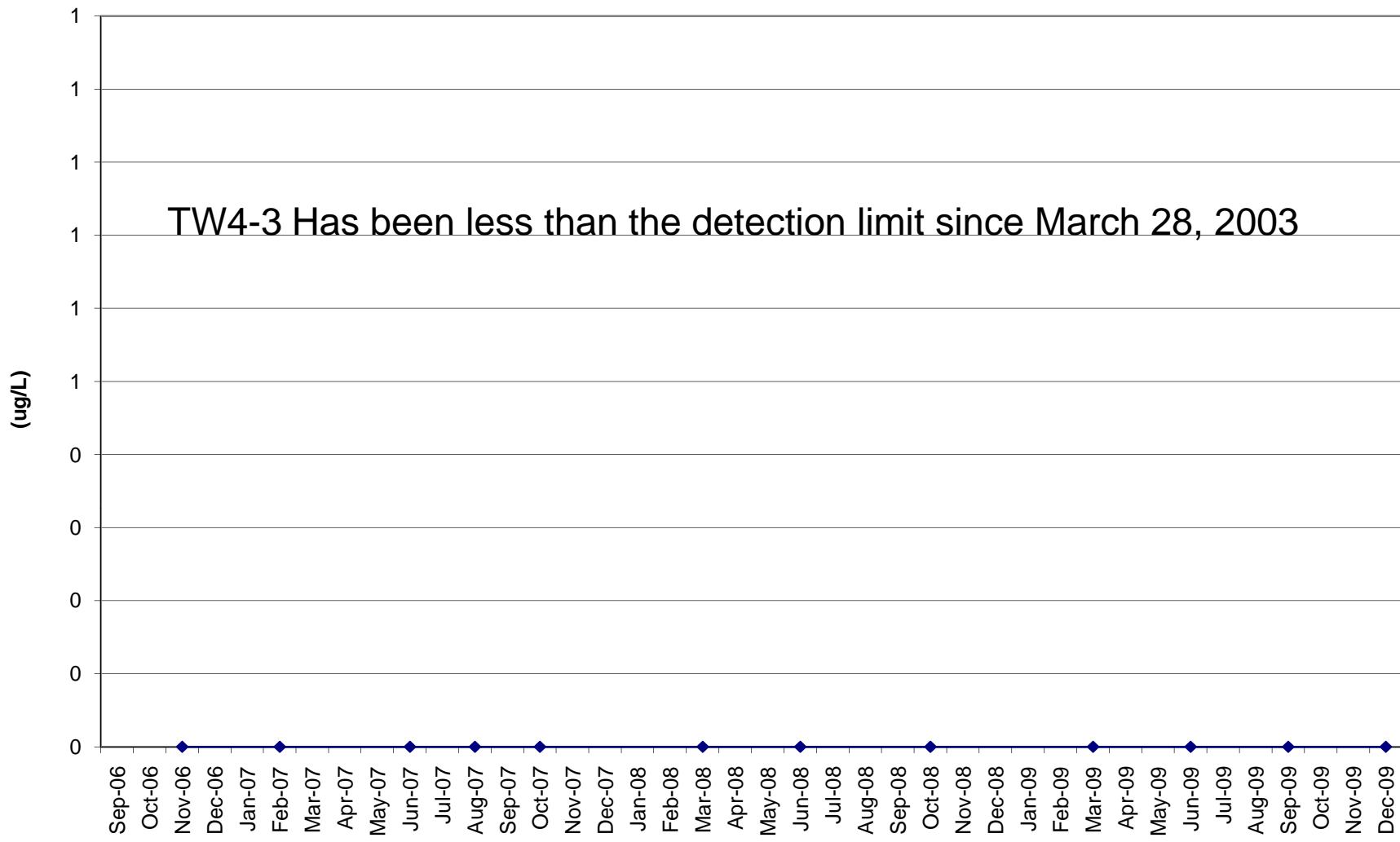
TW4-1 Chloroform Values



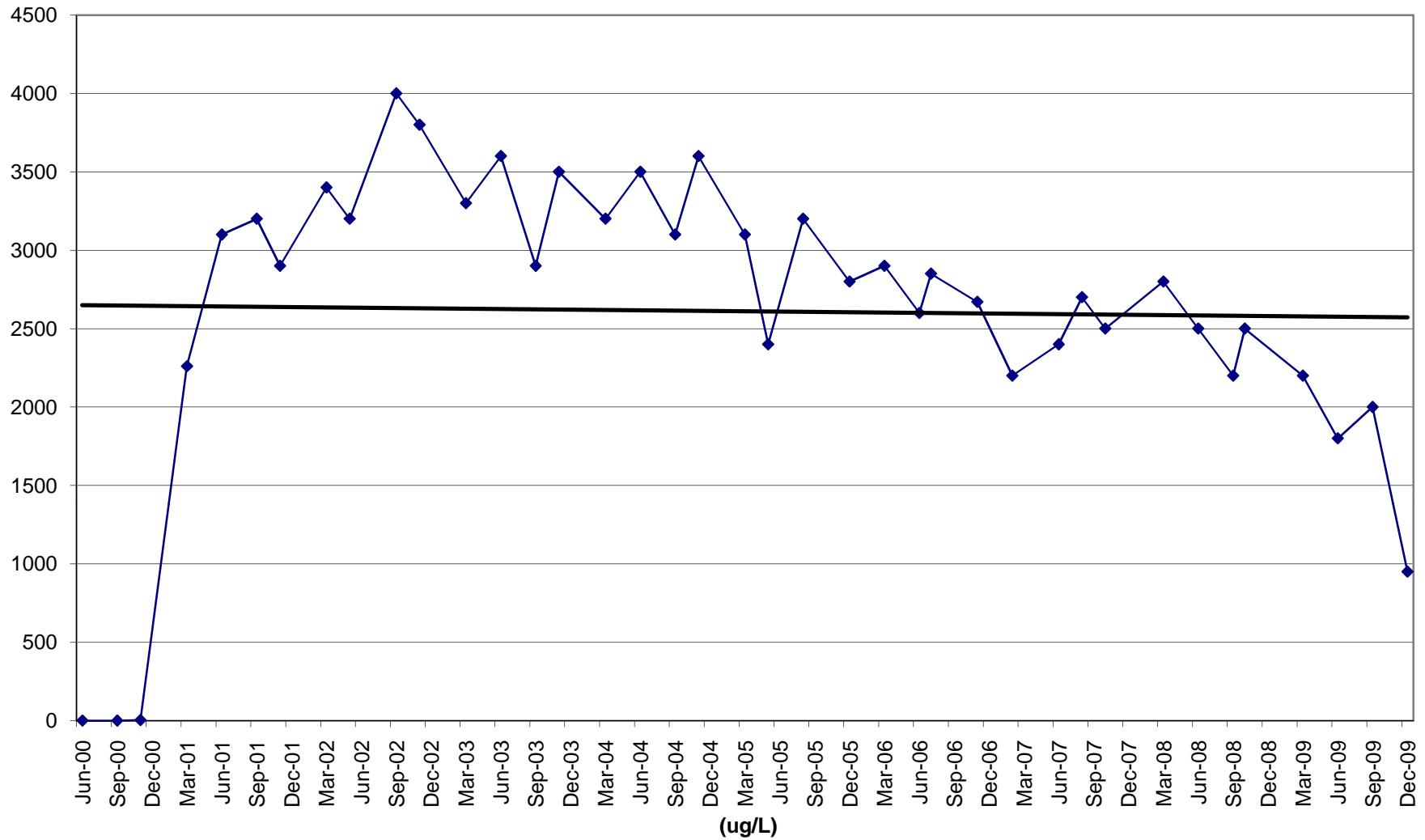
TW4-2 Chloroform Values



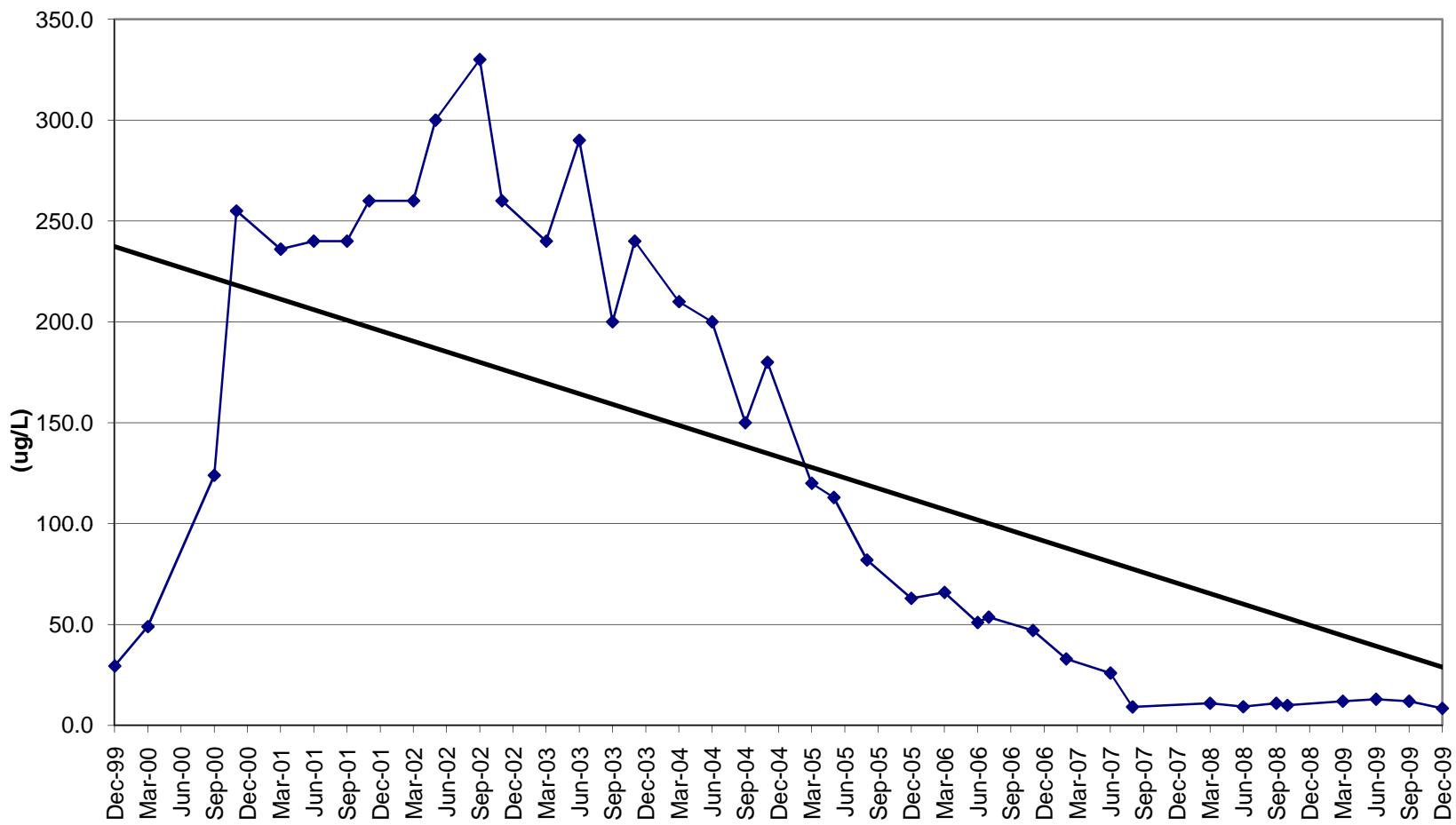
TW-4-3 Chloroform Values



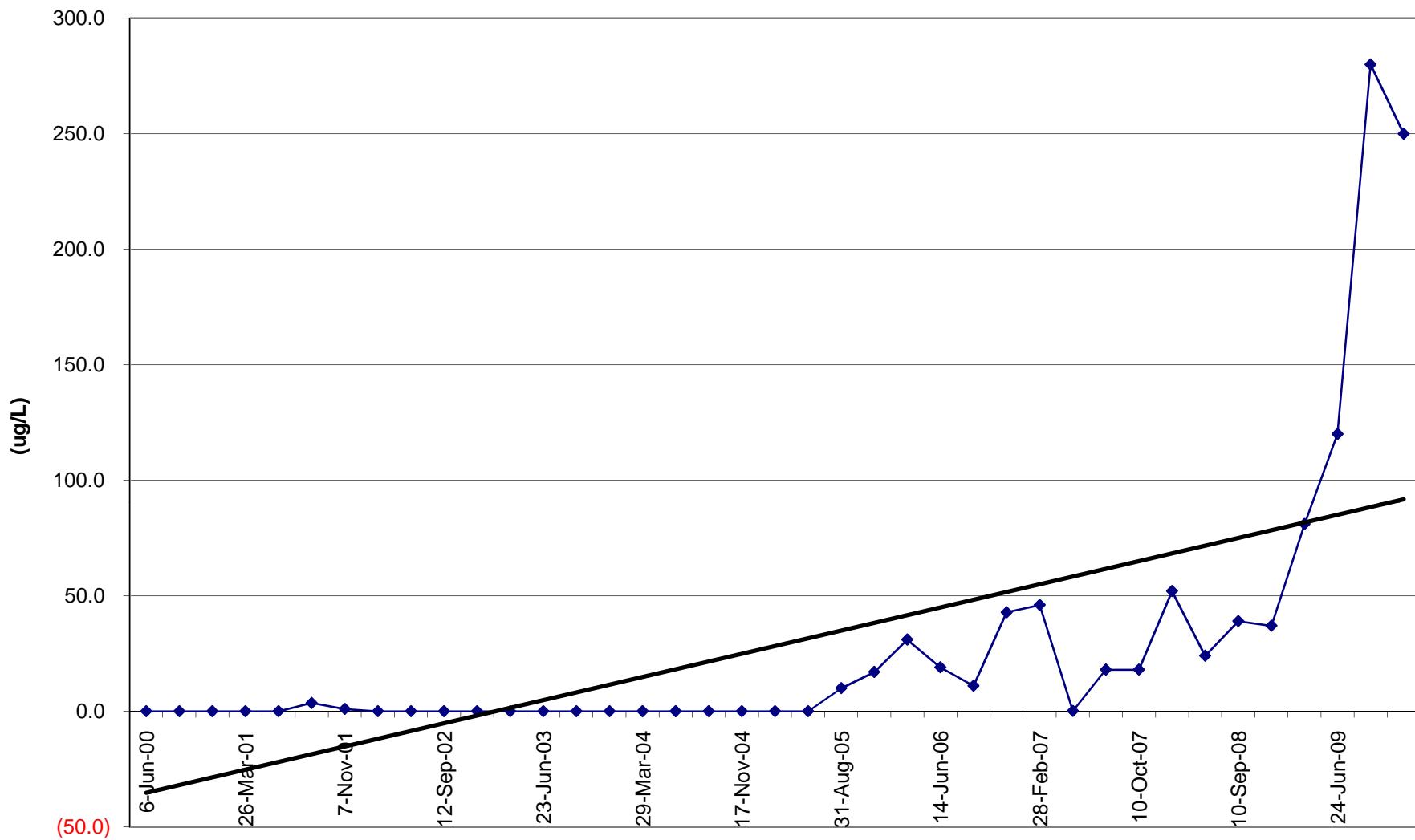
TW4-4 Chloroform Values



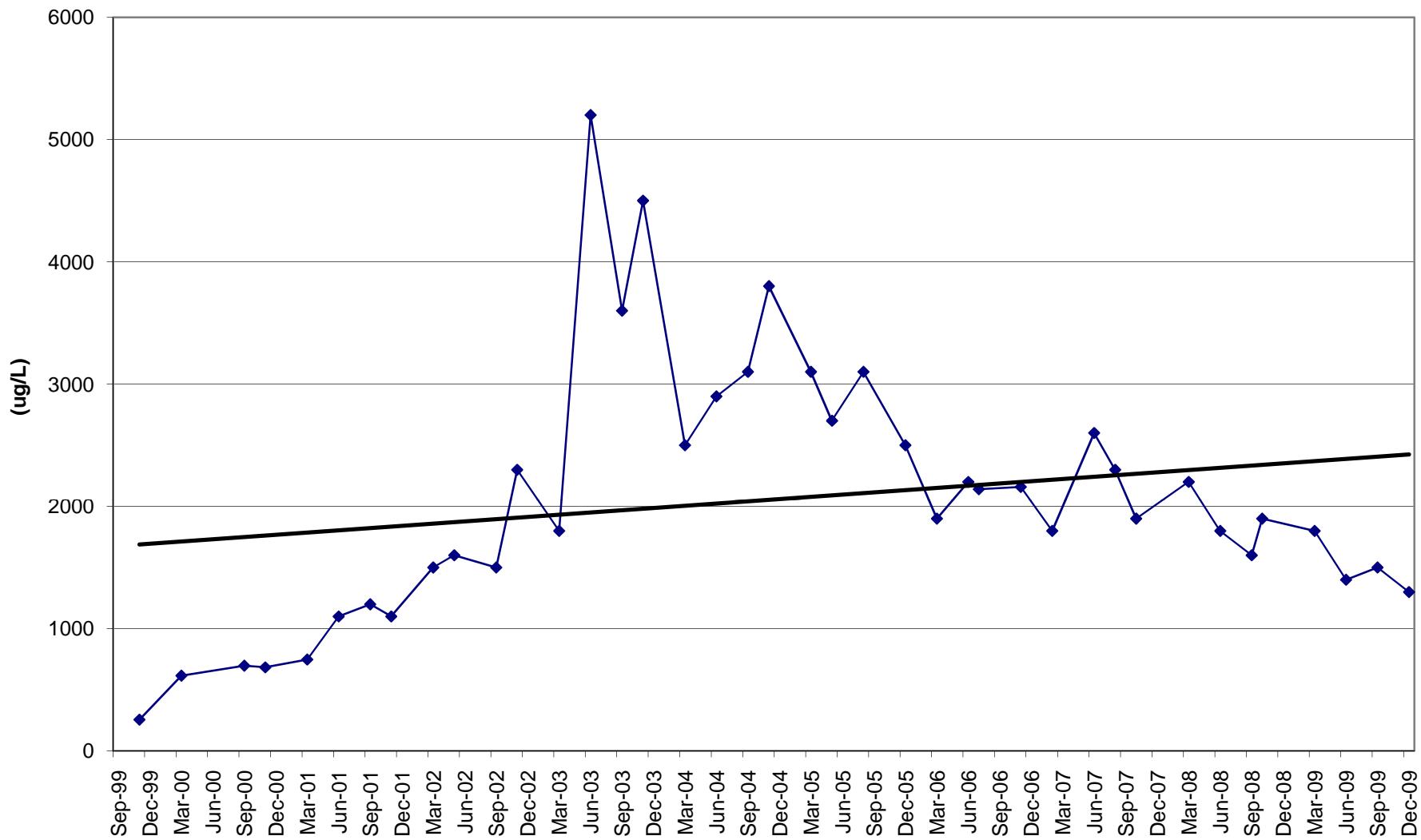
TW4-5 Chloroform Values



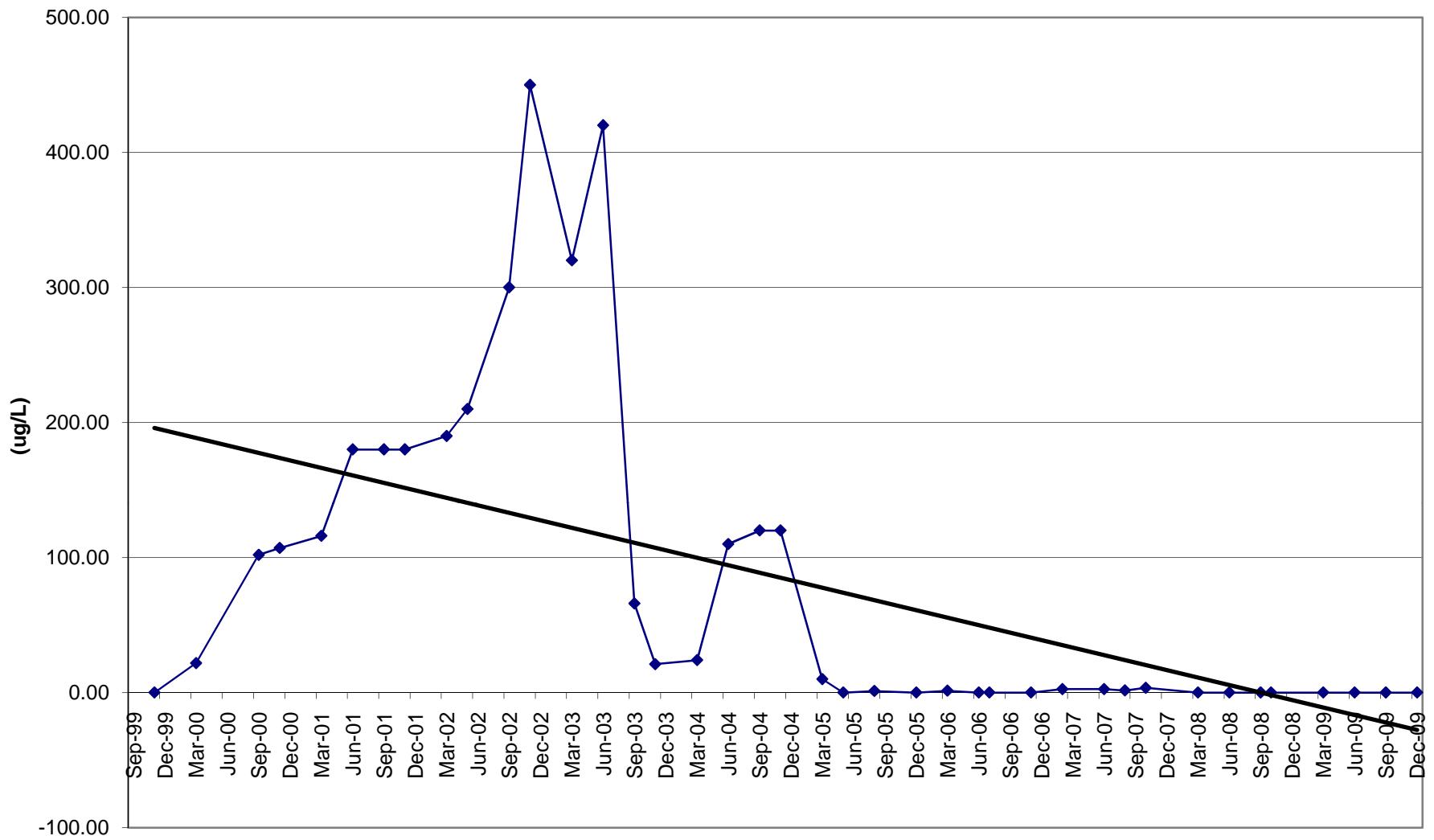
TW4-6 Chloroform Values



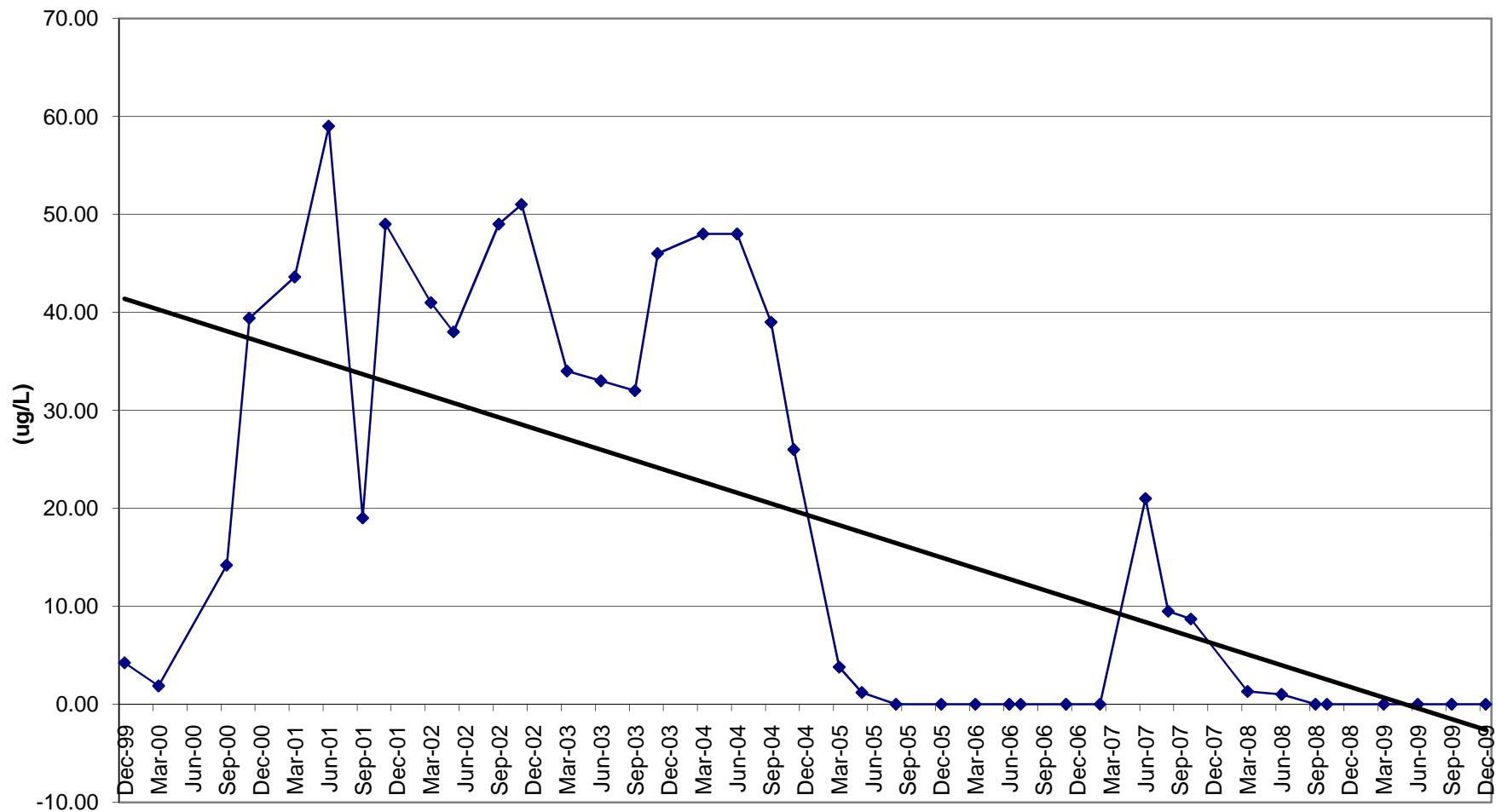
TW4-7 Chloroform Values



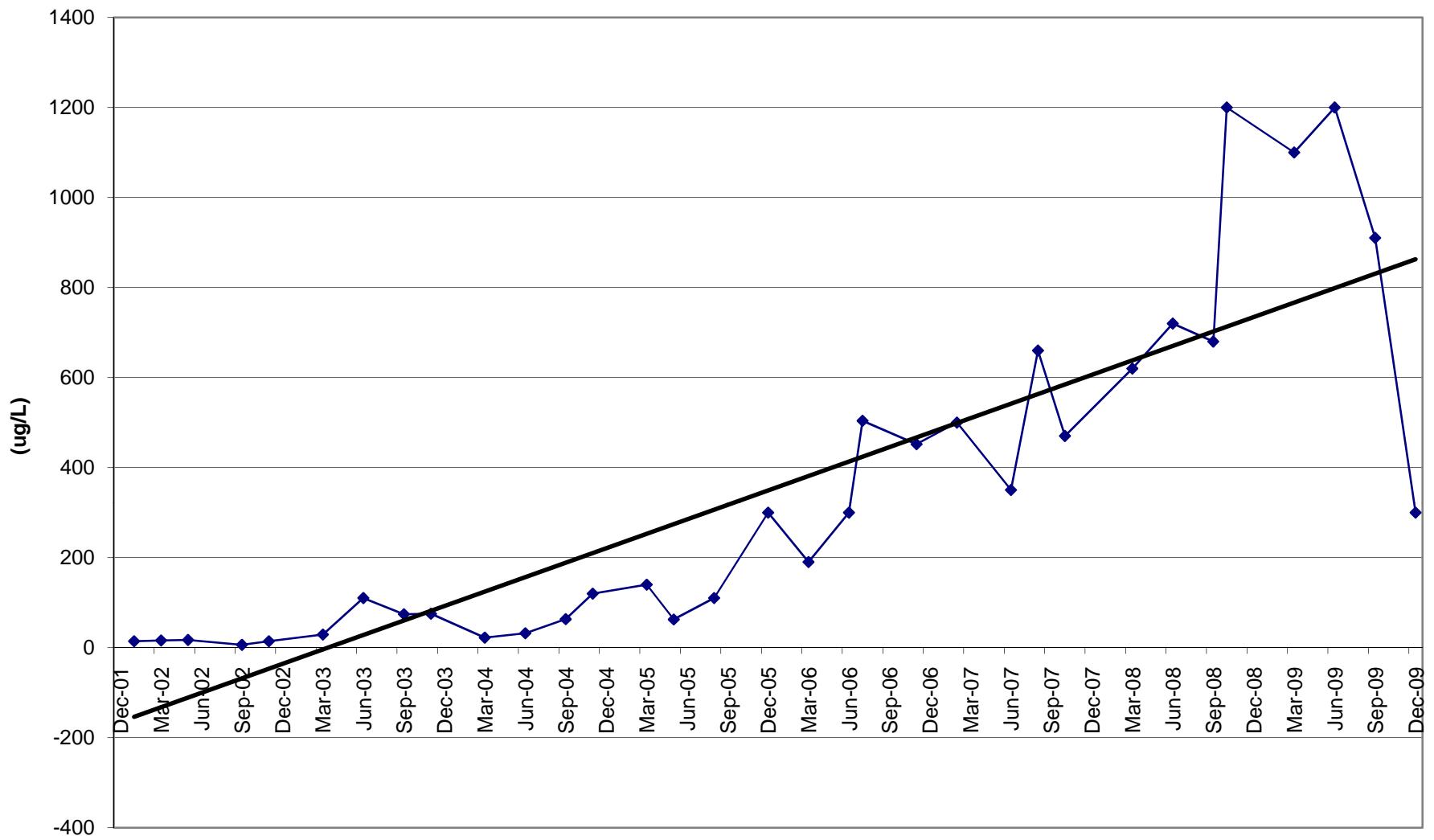
TW4-8 Chloroform Values



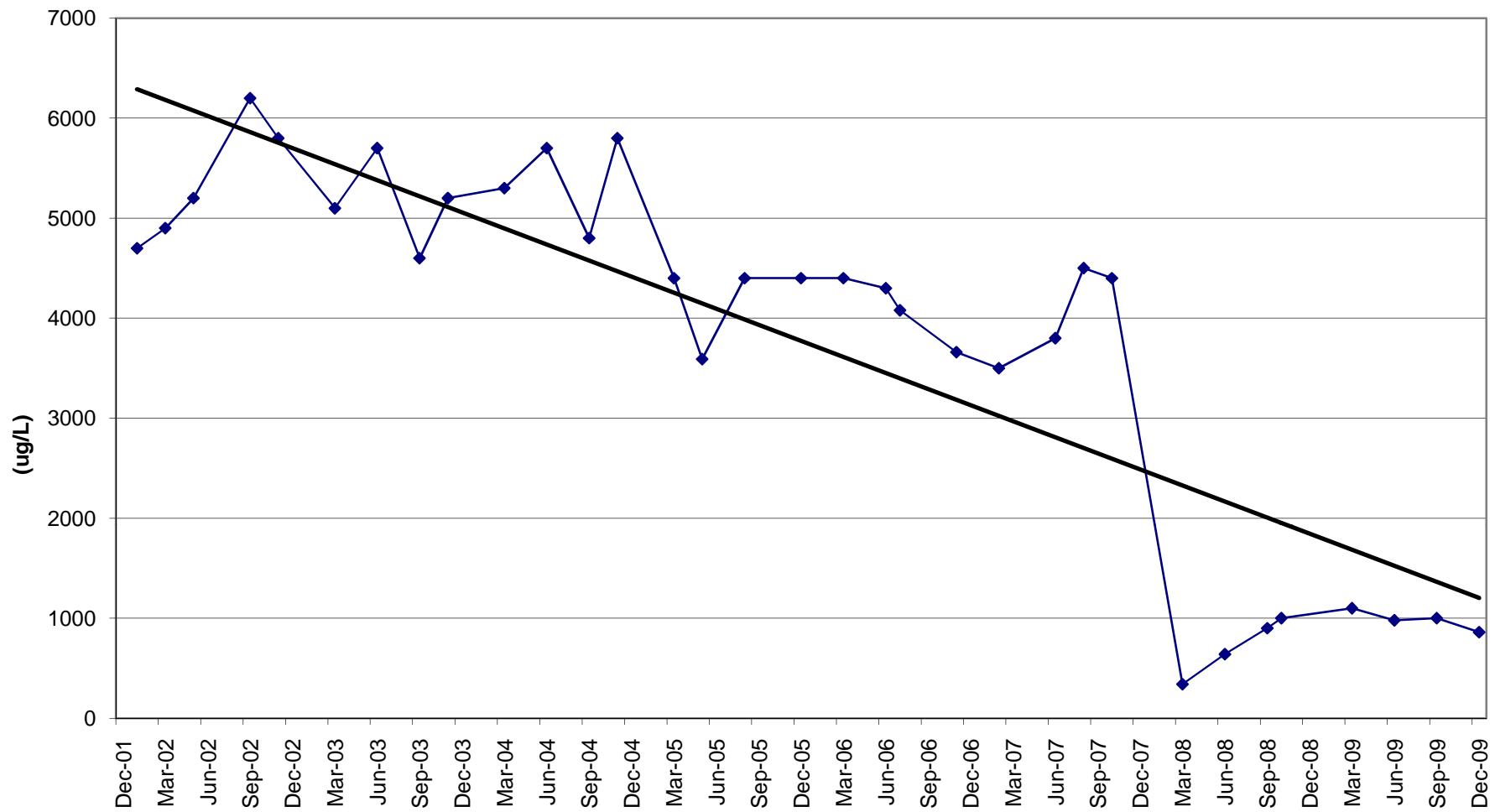
TW4-9 Chloroform Values



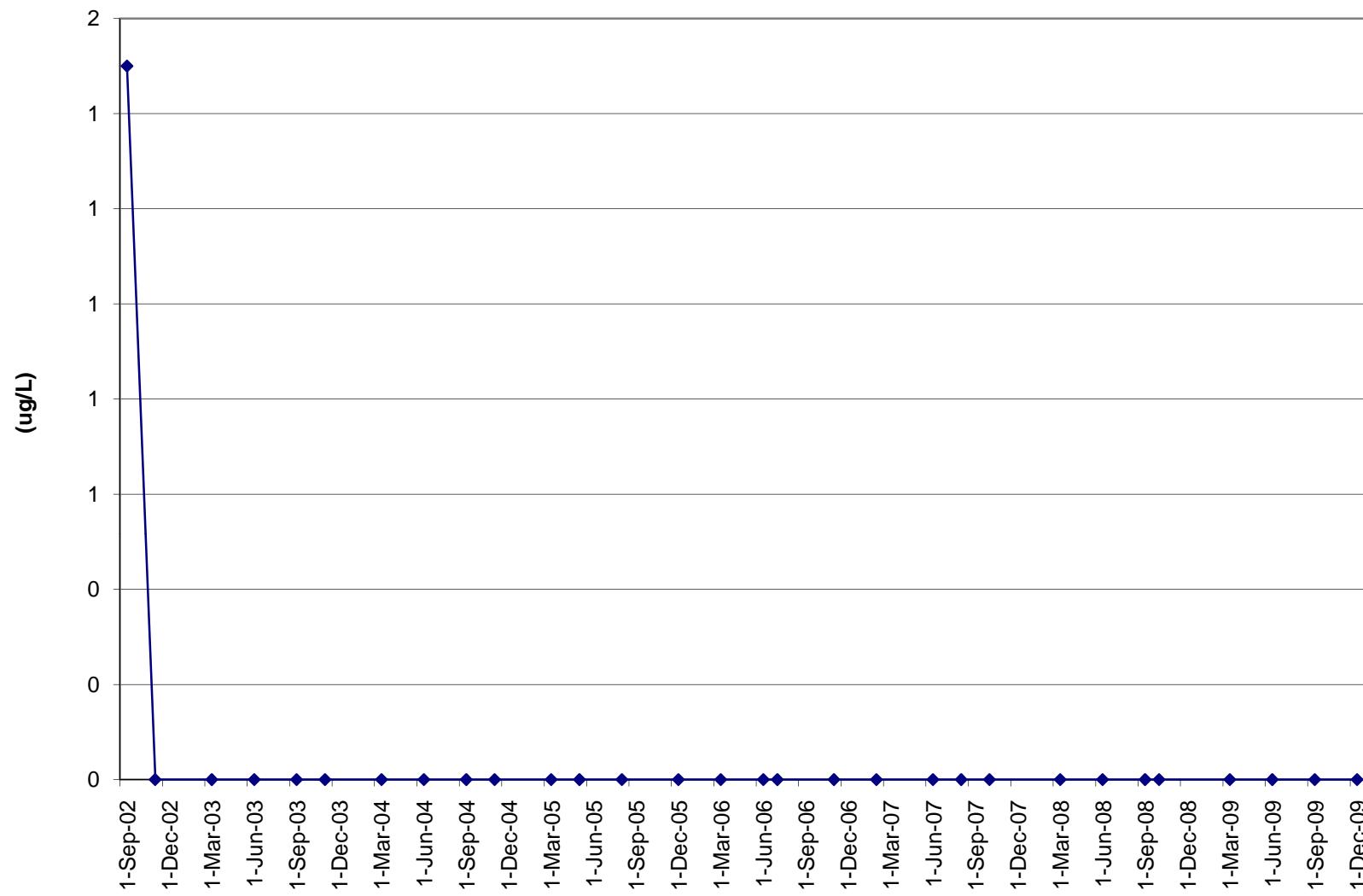
TW4-10 Chloroform Values



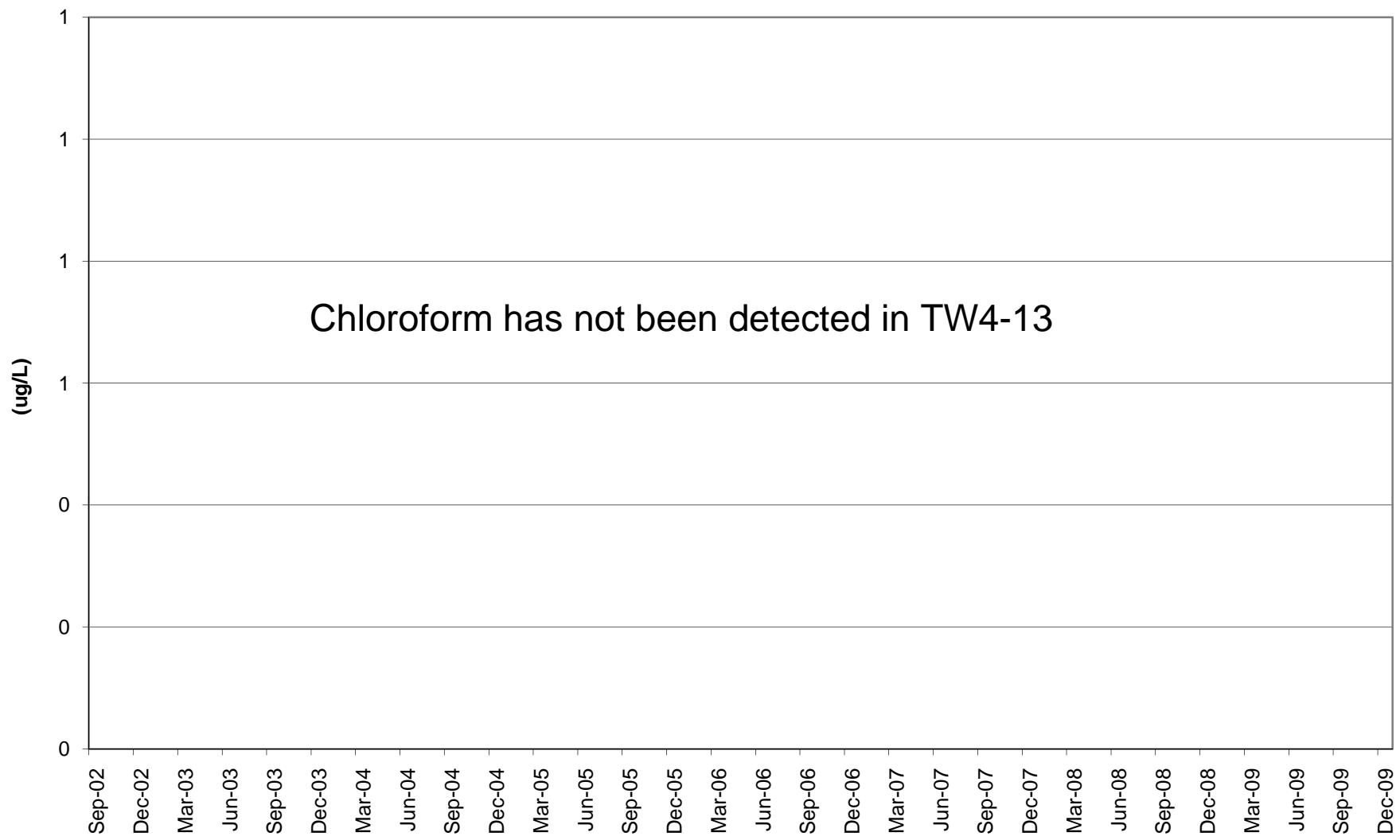
TW4-11 Chloroform Values



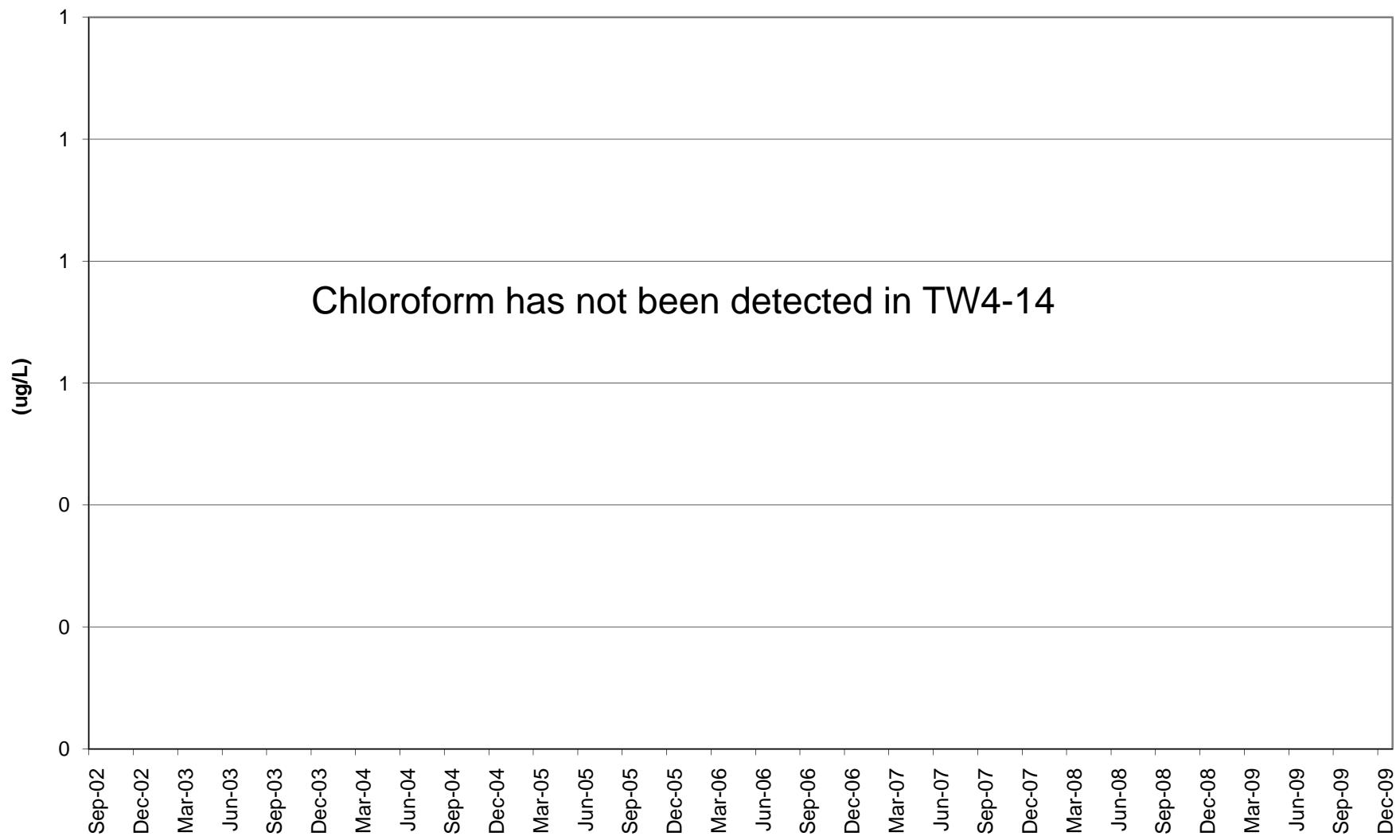
TW4-12 Chloroform Values



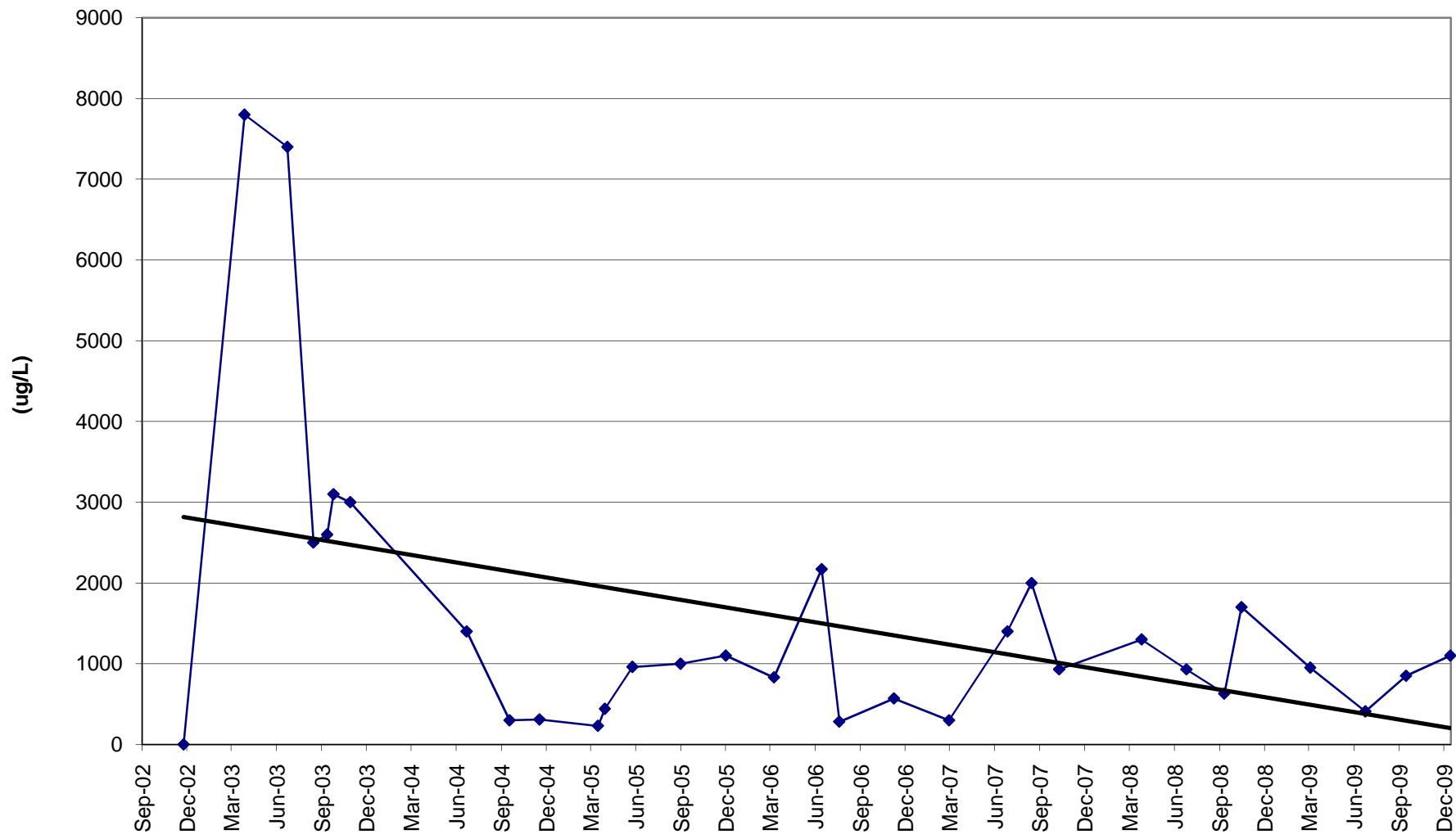
TW4-13



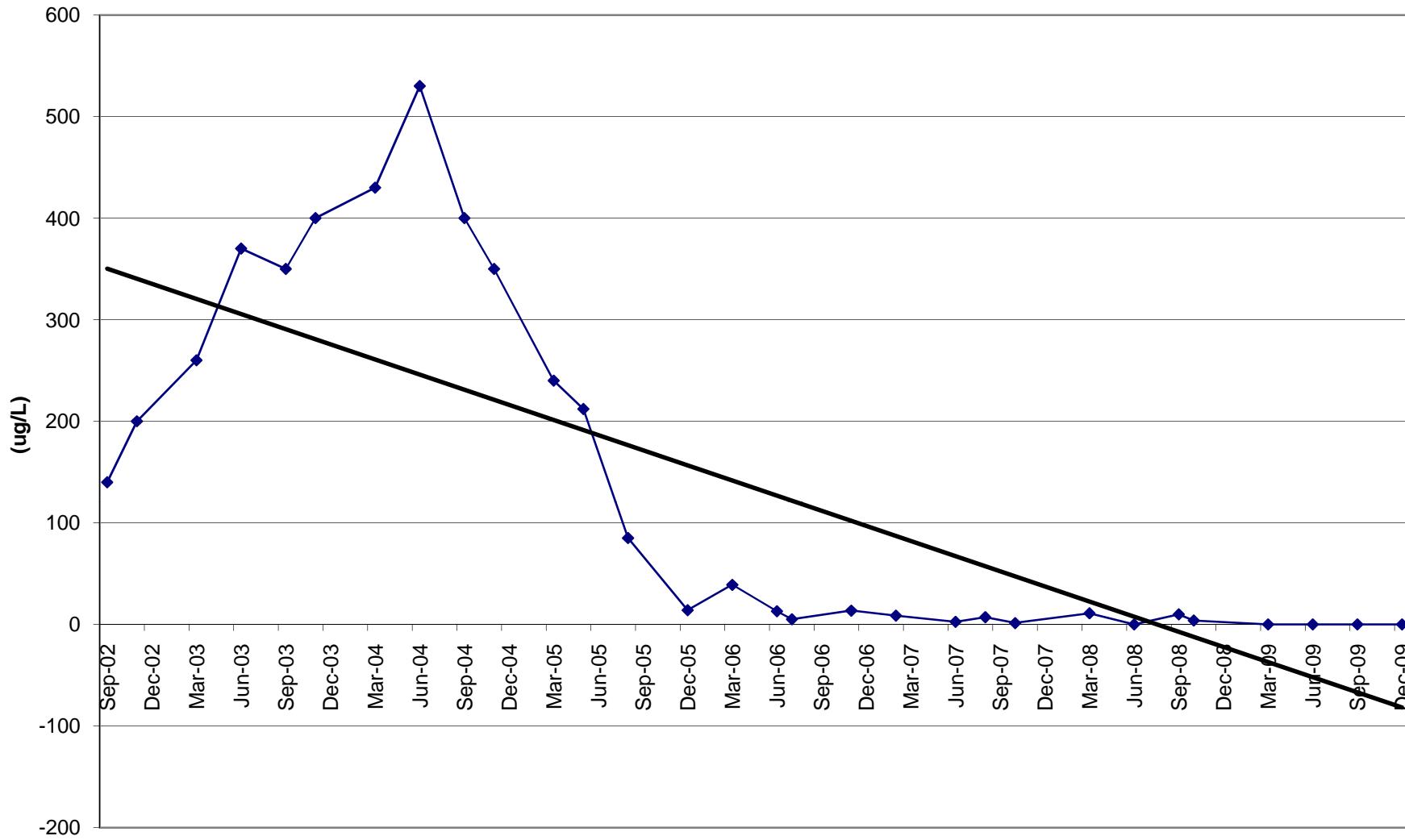
TW4-14



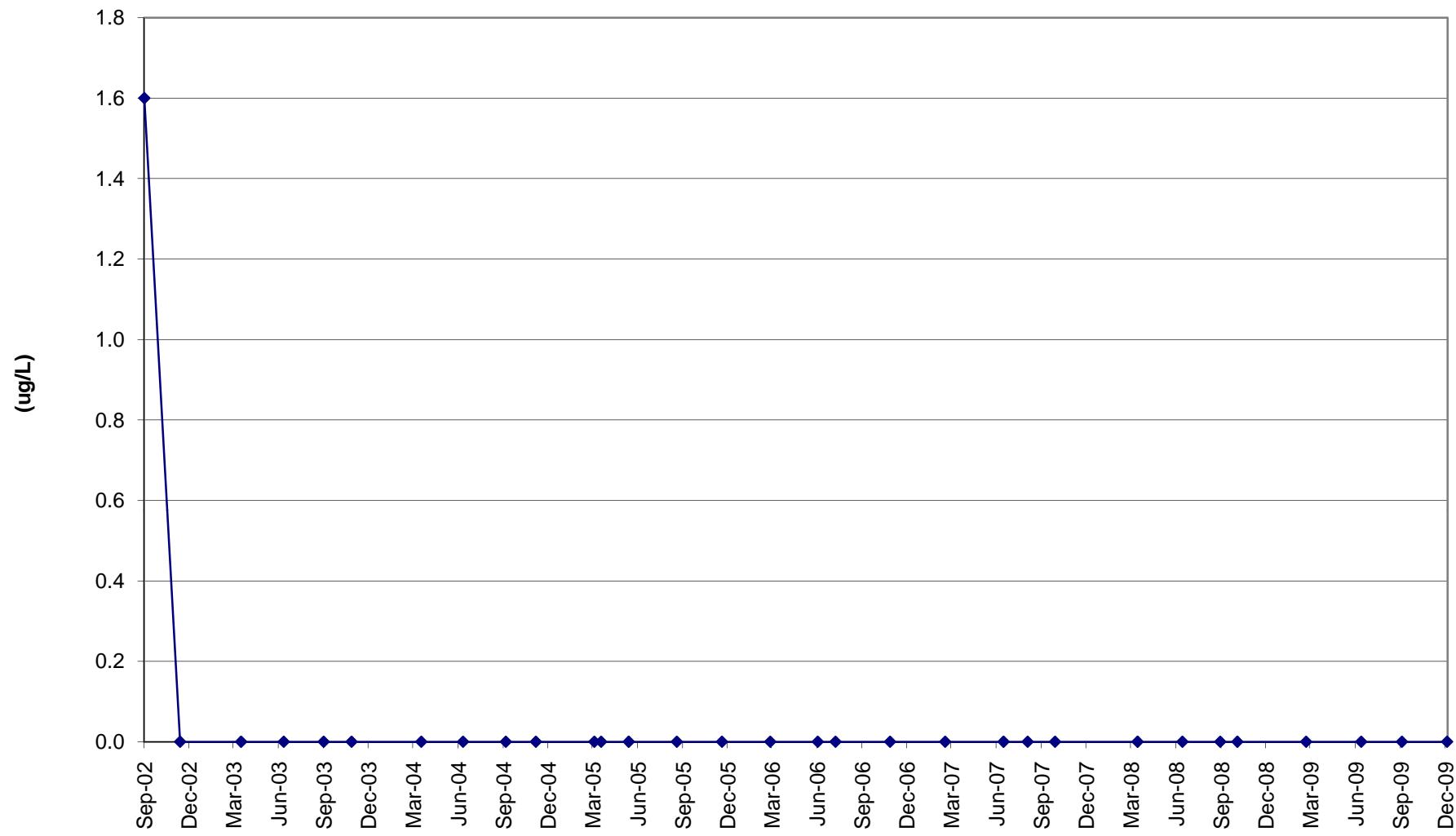
TW4-15 Chloroform Values



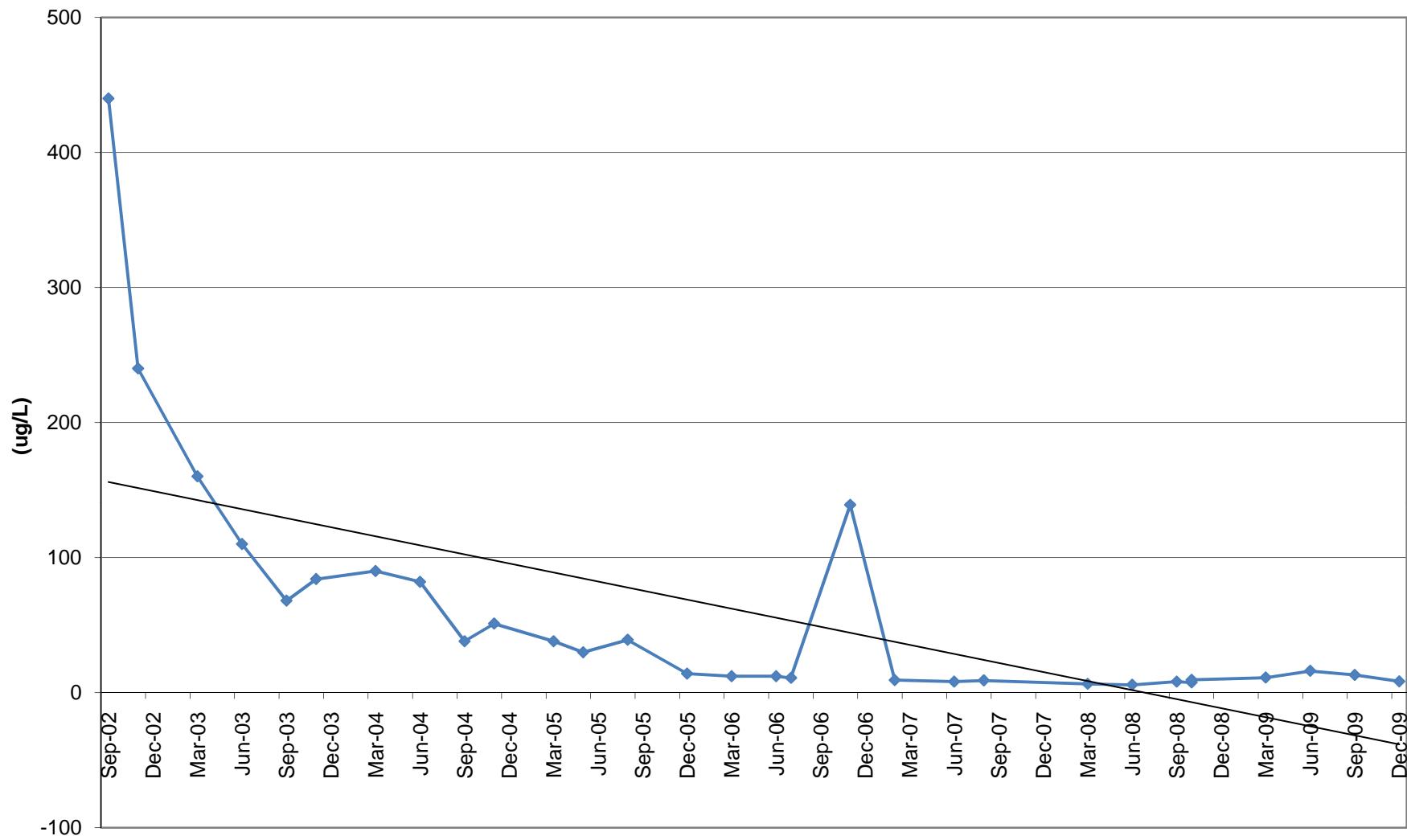
TW4-16 Chloroform Values



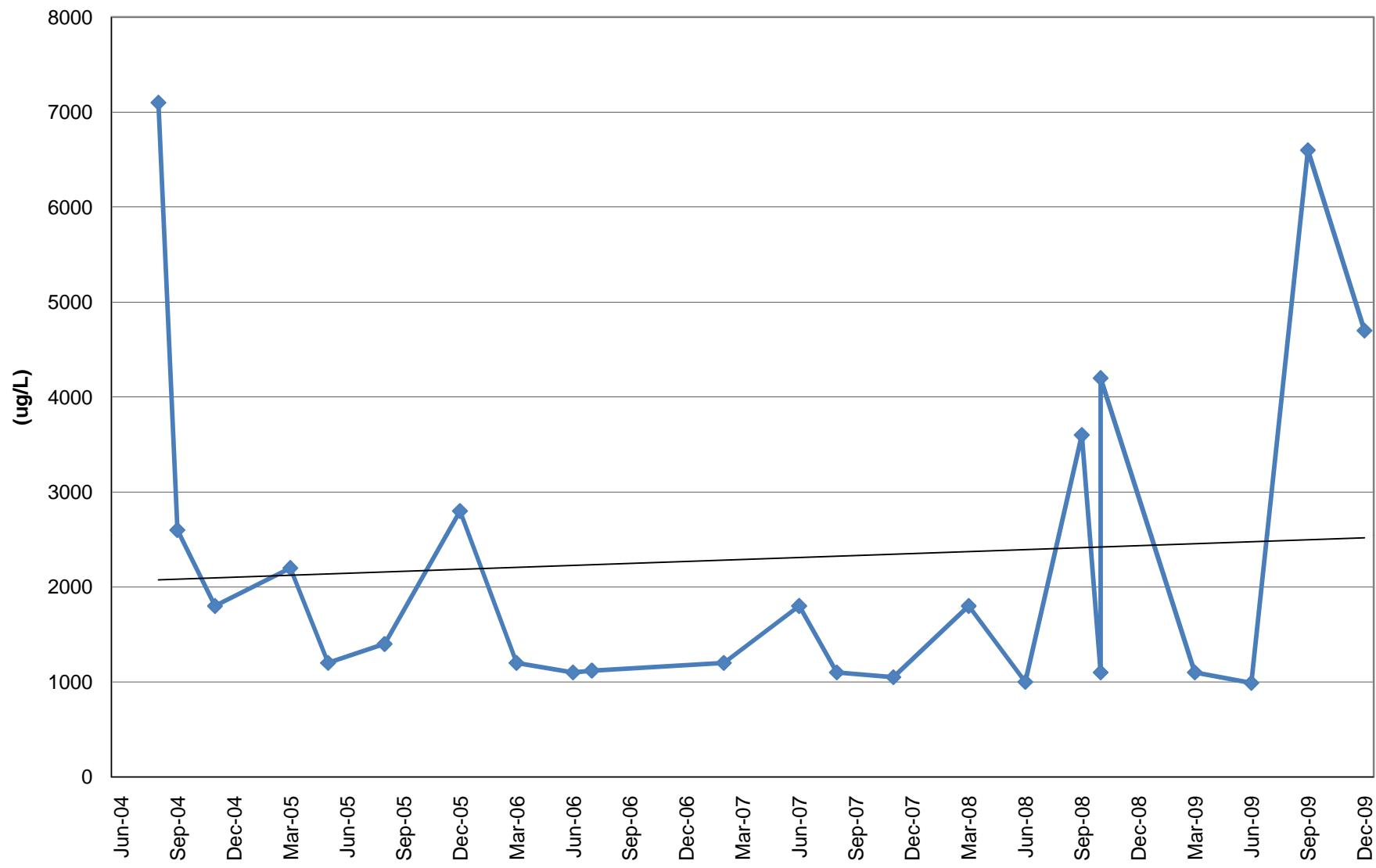
TW4-17 Chloroform Values



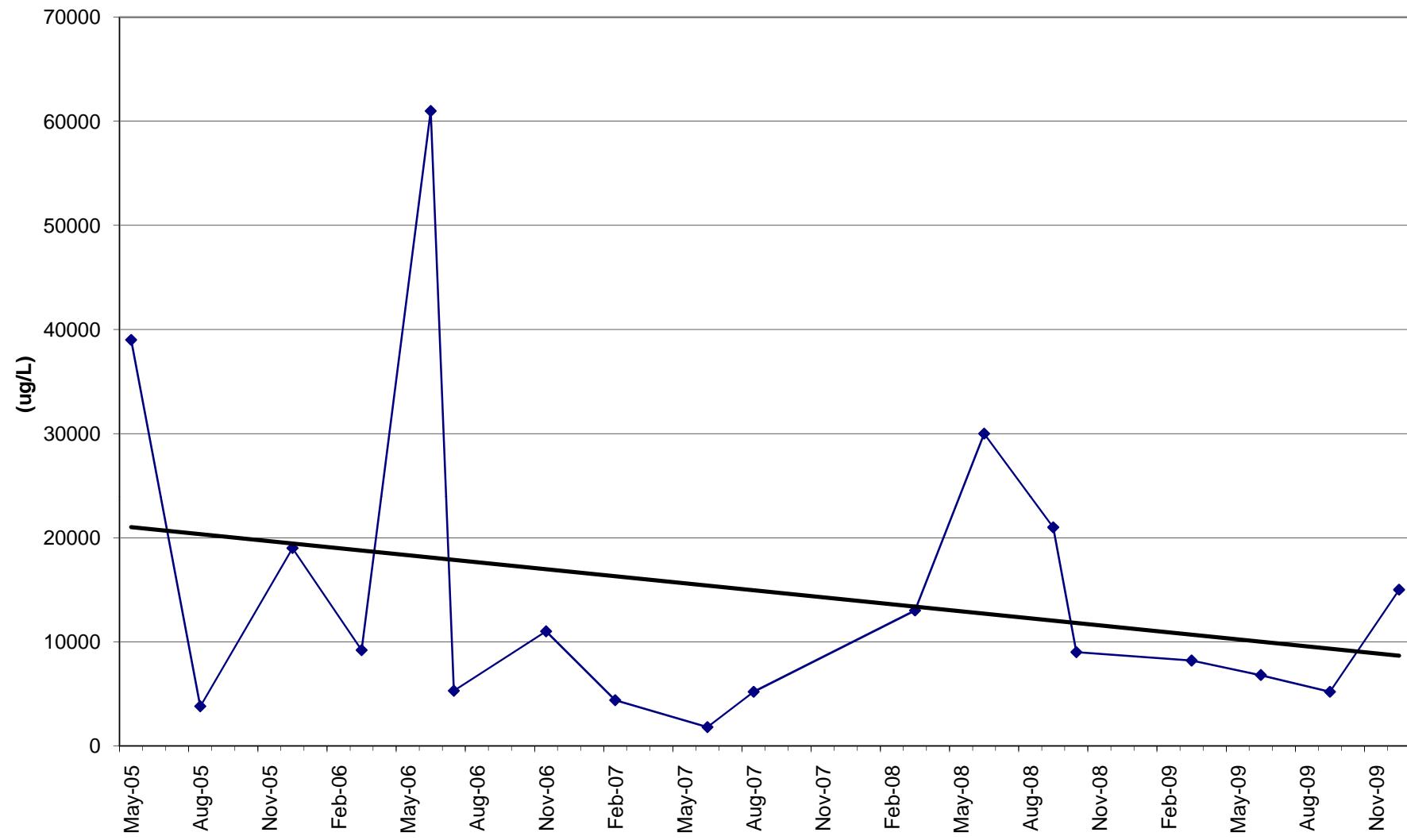
TW4-18 Chloroform Values



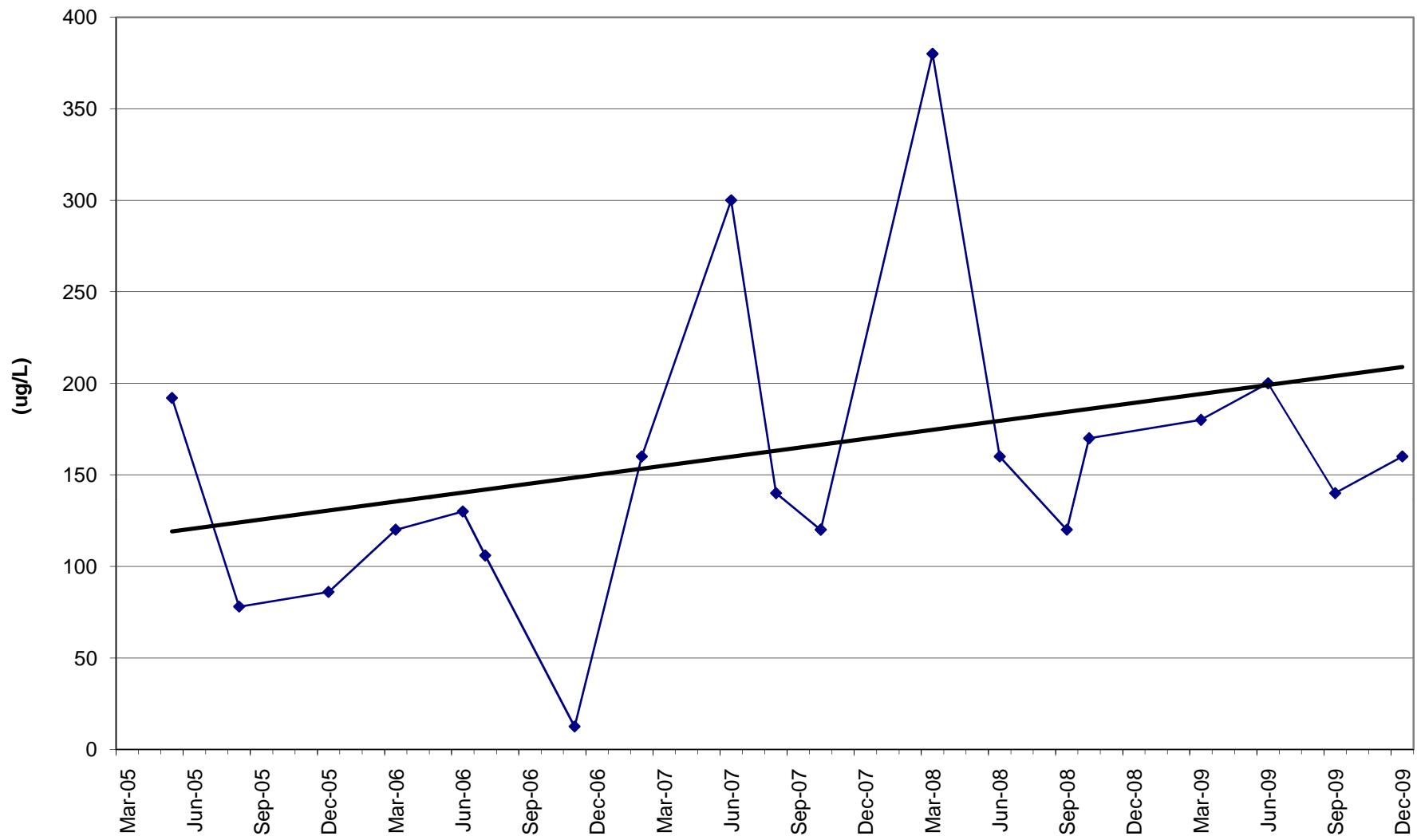
TW4-19 Chloroform Values

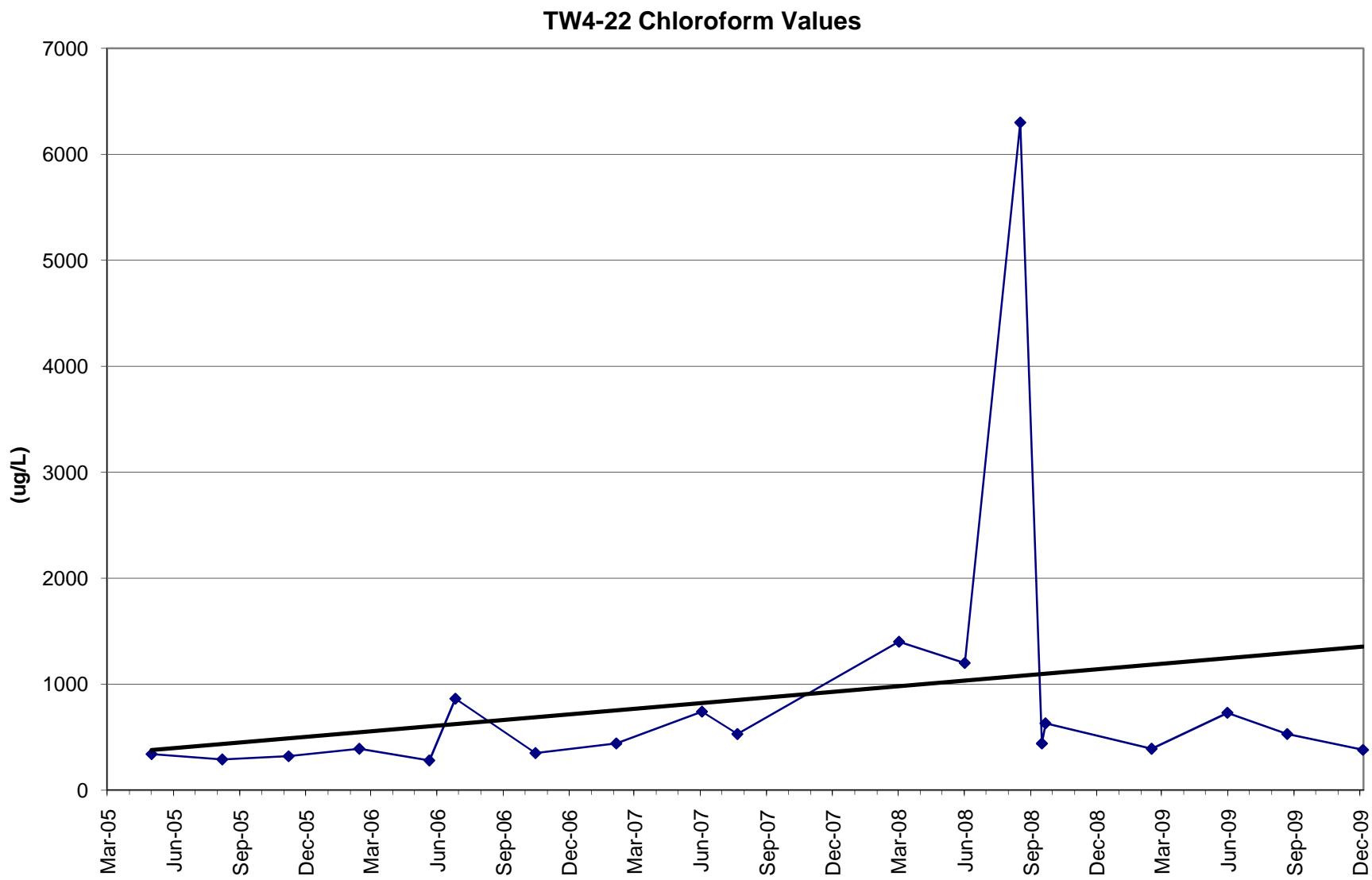


TW4-20 Chloroform Values

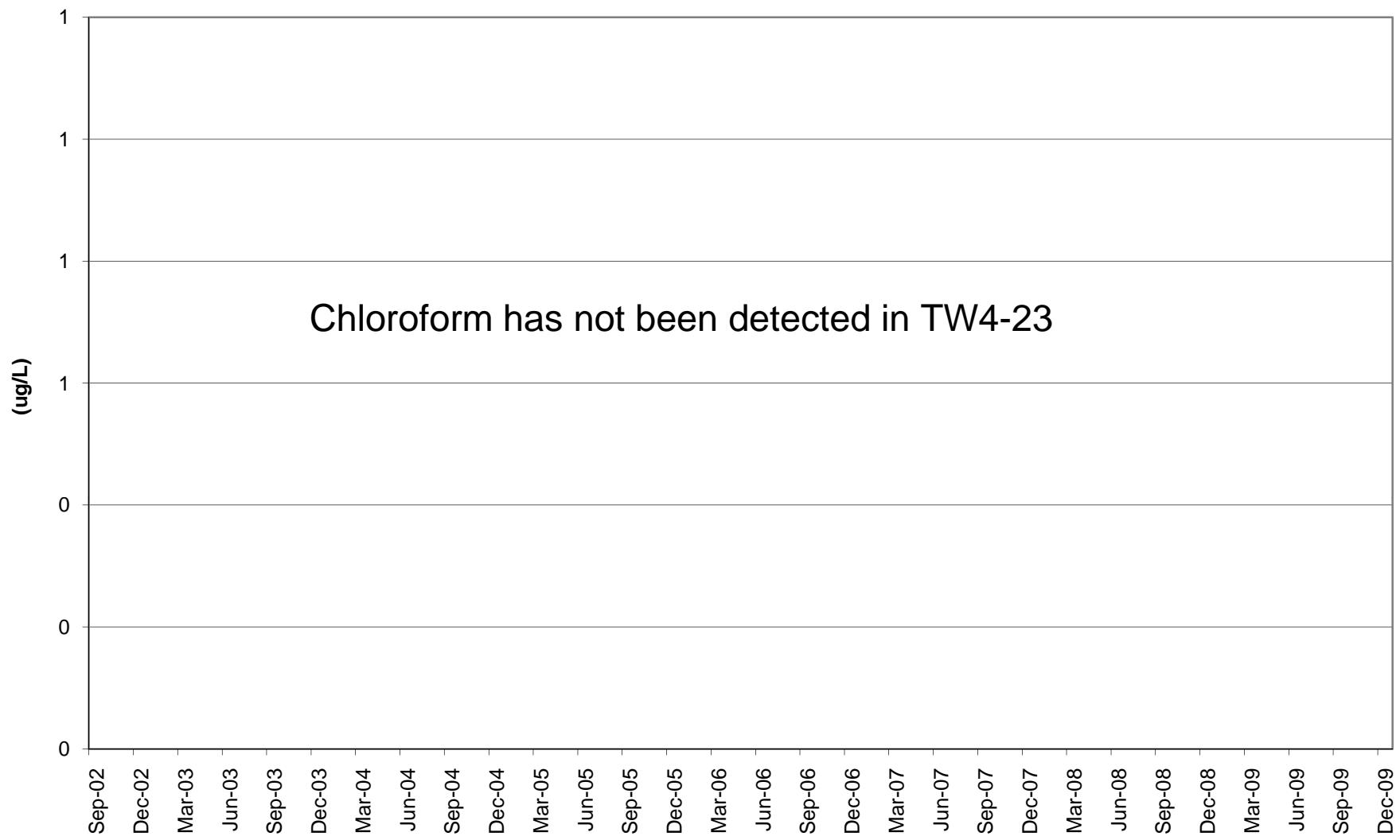


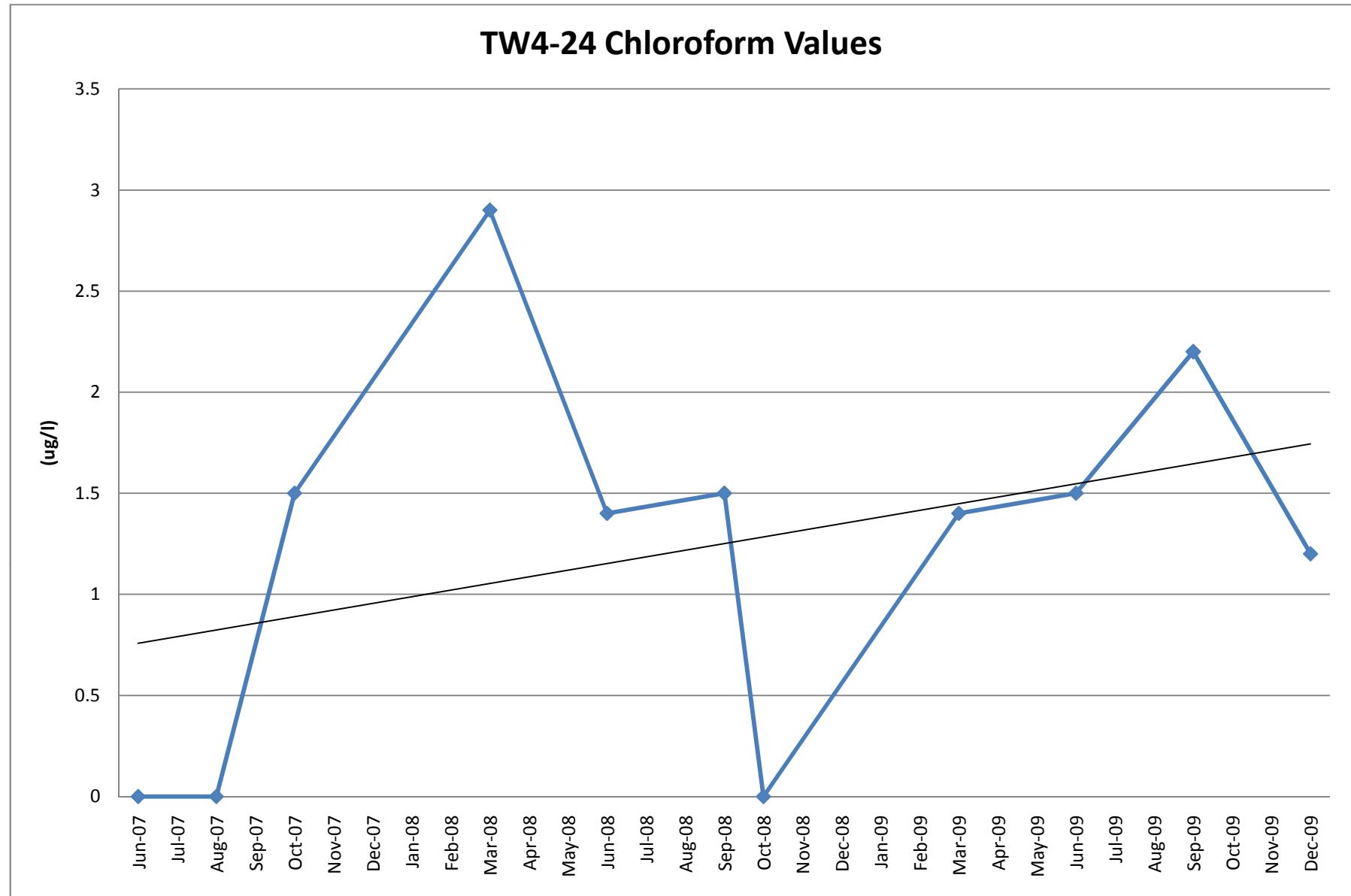
TW4-21 Chloroform Values



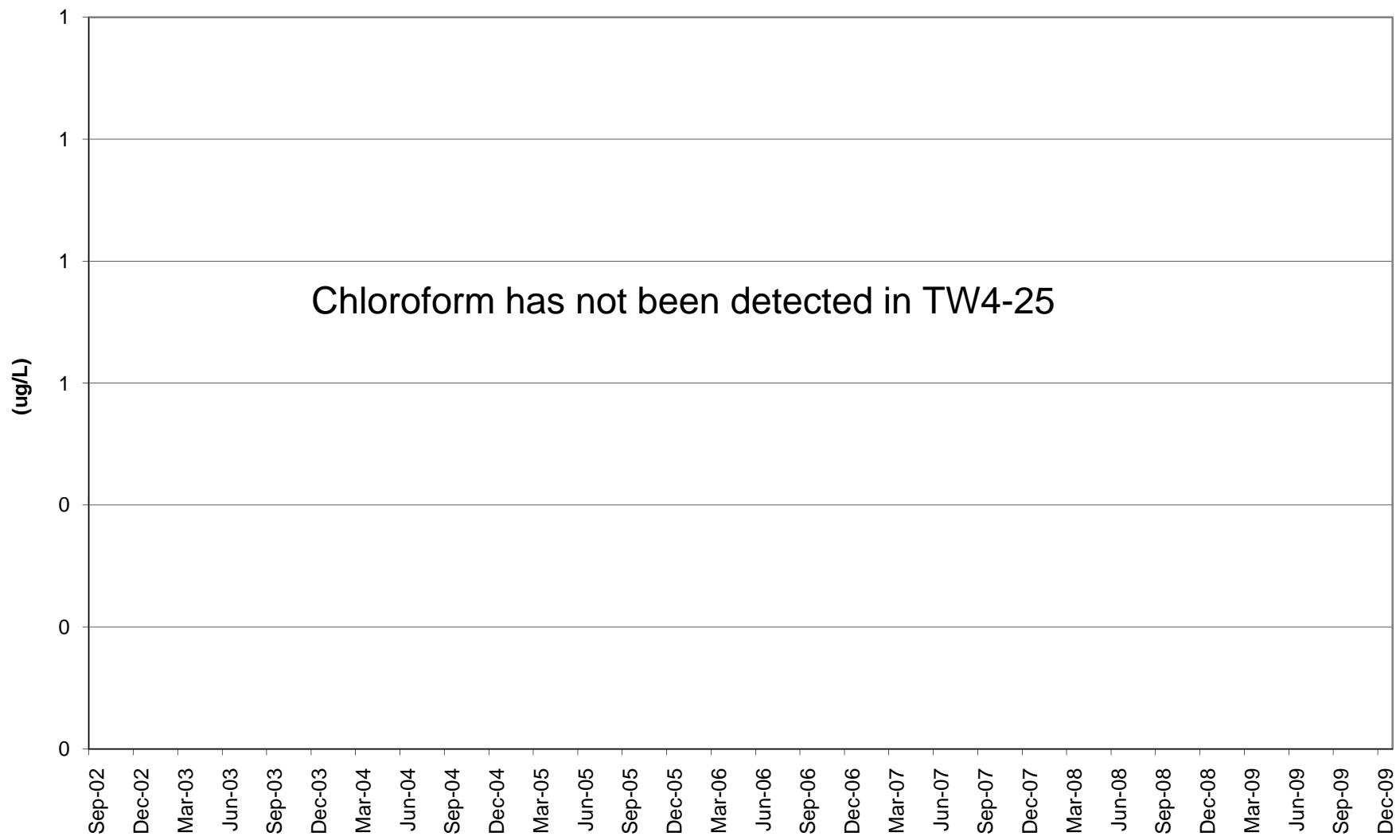


TW4-23





TW4-25



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Date:
