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DRC-2022-023255

November 18, 2022

Sent VIA EXPEDITED DELIVERY

Ms. Doug Hansen
Director
Division of Waste Management and Radiation Control
Utah Department of Environmental Quality
195 North 1950 West
Salt Lake City, UT 84116

Re: Transmittal of 3rd Quarter 2022 Routine Chloroform Monitoring Report
UDEQ Docket No. UGW-20-01 White Mesa Uranium Mill

Dear Mr. Hansen:

Enclosed are two copies of the White Mesa Uranium Mill Chloroform Monitoring Report for the 3rd Quarter of 2022 as required by the Stipulation and Consent Order, UDEQ Docket No. UGW-20-01 as well as two CDs, that each contains a word searchable electronic copy of the report.

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

Yours very truly,

Jordan C. App
for

ENERGY FUELS RESOURCES (USA) INC.
Kathy Weinel
Director, Regulatory Compliance

CC: David Frydenlund
Logan Shumway
Scott Bakken
Garrin Palmer
Jordan App
Dawn Kolkman

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White Mesa Uranium Mill

Chloroform Monitoring Report

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

(July through September)
2022

Prepared by:

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

November 18, 2022

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1.0 INTRODUCTION

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

This is the Quarterly Chloroform Monitoring Report for the third quarter of 2022 as required under the SCO. This report also includes the Operations Report for MW-04, TW4-01, TW4-04, TW4-02, TW4-11, TW4-19, TW4-21, MW-26, TW4-22, TW4-24, TW4-25, TW4-37, TW4-39, TW4-40, and TW4-41 for the quarter.

2.0 CHLOROFORM MONITORING

2.1 Samples and Measurements Taken During the Quarter

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

2.1.1 Chloroform Monitoring

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

MW-4	TW4-9	TW4-18	TW4-28	TW4-37
TW4-1	TW4-10	TW4-19	TW4-29	TW4-38
TW4-2	TW4-11	TW4-21	TW4-30	TW4-39
TW4-3	TW4-12	TW4-22	TW4-31	TW4-40
TW4-4	TW4-13	TW4-23	TW4-32	TW4-41
TW4-5	TW4-14	TW4-24	TW4-33	TW4-42
TW4-6	MW-26 (formerly TW4-15)	TW4-25	TW4-34	TW4-43
TW4-7	TW4-16	TW4-26	TW4-35	
TW4-8	MW-32 (formerly TW4-17)	TW4-27	TW4-36	

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

2.1.2 Parameters Analyzed

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

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

Use of analytical methods is consistent with the requirements of the Chloroform Investigation Monitoring Quality Assurance Program (the "Chloroform QAP") attached as Appendix A to the White Mesa Uranium Mill Groundwater Monitoring QAP Revision 7.7, dated February 15, 2022.

2.1.3 Groundwater Head Monitoring

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

- The quarterly groundwater compliance monitoring wells
- Existing monitoring well MW-4 and all of the temporary chloroform investigation wells
- Piezometers P-1, P-2, P-3A, P-4 and P-5
- MW-20 and MW-22
- Nitrate monitoring wells
- The DR piezometers that were installed during the Southwest Hydrologic Investigation

In addition to the above, depth to water measurements are routinely observed in conjunction with sampling events for all wells sampled during quarterly and accelerated efforts, regardless of the sampling purpose.

Weekly and monthly depth to groundwater measurements were taken in the chloroform pumping wells MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-21, TW4-37, TW4-39, TW4-40, and TW4-41 and the nitrate pumping wells TW4-22, TW4-24, TW4-25, and TWN-02. In addition, monthly water level measurements were taken in non-pumping wells TW4-3 through TW4-10, TW4-12 through TW4-14, TW4-16, TW4-18, TW4-26 through TW4-36, TW4-38, TW4-42, TW4-43, MW-27, MW-30, MW-31, TWN-1, TWN-3, TWN-4, TWN-7, and TWN-18.

2.2 Sampling Methodology and Equipment and Decontamination Procedures

EFRI completed, and transmitted to DWMRC on May 25, 2006, a revised QAP for sampling under the Mill's GWDP. While the water sampling conducted for chloroform investigation purposes has conformed to the general principles set out in the QAP, some of the requirements in the QAP were not fully implemented prior to DWMRC's approval of the QAP, for reasons set out in correspondence to DWMRC dated December 8, 2006. Subsequent to the delivery of the December 8, 2006 letter, EFRI discussed the issues brought forward in the letter with DWMRC and has received correspondence from DWMRC about those issues. In response to DWMRC's letter and subsequent discussions with DWMRC, EFRI modified the chloroform Quality Assurance ("QA") procedures within the Chloroform QAP. The Chloroform QAP describes the requirements of the chloroform investigation program and identifies where they differ from the Groundwater QAP. On June 20, 2009 the Chloroform QAP was modified to require that the quarterly chloroform reports include additional items specific to EFRI's ongoing pump testing and chloroform capture efforts. The Groundwater QAP as well as the Chloroform QAP were revised again on June 6, 2012, August 15, 2017, July 23, 2018, May 14, 2019, August 22, 2019, and February 15, 2022. The revised Groundwater QAP and Chloroform QAP, Revision 7.7 was approved by DWMRC on March 31, 2022.

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

2.2.1 Decontamination Procedures

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

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

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

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

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

b) the detergent/DI water solution is pumped through the pump and pump outlet lines;

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

d) the DI water solution is pumped through the pump and pump outlet lines;

2.2.2 Well Purging and Depth to Groundwater

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

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

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

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

If the well has a dedicated pump, it is pumped on a set schedule per the remediation plan and is considered sufficiently evacuated to immediately collect a sample; however, if a pumping well has been out of service for 48 hours or more, EFRI will follow the purging requirements outlined in Attachment 2-3 of the QAP. The dedicated pump is used to collect parameters and to collect the samples as described below. If the well does not have a dedicated pump, a Grundfos pump (9 - 10 gpm pump) is then lowered to the screened interval in the well and purging is started.

The purge rate is measured for the well by using a calibrated 5 gallon bucket. This purging process is repeated at each well location moving from least contaminated to the most contaminated well. All wells are capped and secured prior to leaving the sampling location.

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

2.2.3 Sample Collection

Prior to sampling, a cooler with ice is prepared. The trip blank is also gathered at that time (the trip blank for these events is provided by the analytical laboratory). Once Mill Personnel arrive at the well sites, labels are filled out for the various samples to be collected. All personnel involved with the collection of water and samples are then outfitted with disposable gloves. Chloroform investigation samples are collected by means of disposable bailers.

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

- Volatile Organic Compound ("VOC") samples are collected first. This sample consists of three 40 ml vials provided by the Analytical Laboratory. The VOC sample is not filtered and is preserved with HCl;

- A sample for nitrate/nitrite is then collected. This sample consists of one 250 ml. bottle that is provided by the Analytical Laboratory. The nitrate/nitrite sample is not filtered and is preserved with H_2SO_4;

- A sample for chloride is then collected. This sample consists of one 500 ml. bottle that is provided by the Analytical Laboratory. The chloride sample is not filtered and is not chemically preserved.

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

2.3 Field Data

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

2.4 Depth to Groundwater Data and Water Table Contour Map

Attached under Tab C are copies of the Depth to Water Sheets for the weekly monitoring of MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-21, TW4-22, TW4-24, TW4-25, TW4-37, TW4-39, TW4-40, TW4-41 and TWN-2 as well as the monthly depth to groundwater data for the chloroform contaminant investigation wells and the non-pumped wells measured during the quarter. Depth to groundwater measurements that were utilized for groundwater contours are included on the Quarterly Depth to Water Worksheet at Tab D of this report, along with the kriged groundwater contour map for the current quarter generated from this data. A copy of the kriged groundwater contour map generated from the previous quarter's data is provided under Tab E.

2.5 Laboratory Results

2.5.1 Copy of Laboratory Results

All analytical results were provided by Chemtech-Ford Analytical Laboratory ("CTF"). Table 1 lists the dates when analytical results were reported to the Director, Regulatory Compliance for each sample.

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

2.5.2 Regulatory Framework

As discussed in Section 1.0, above, the SCO triggered a series of actions on EFRI's part. In addition to the monitoring program, EFRI has equipped one nitrate well and fifteen chloroform wells with pumps to recover impacted groundwater, and has initiated recovery of chloroform from the perched zone.

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

3.0 QUALITY ASSURANCE AND DATA VALIDATION

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

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

3.1 Field QC Samples

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

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

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

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

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

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

3.2 Adherence to Mill Sampling SOPs

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

3.3 Analyte Completeness Review

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

3.4 Data Validation

The QAP and GWDP identify the data validation steps and data QC checks required for the chloroform monitoring program. Consistent with these requirements, the Director, Regulatory Compliance performed the following evaluations: a field data QA/QC evaluation, a holding time

check, a receipt temperature check, an analytical method check, a reporting limit evaluation, a trip blank check, a QA/QC evaluation of sample duplicates, a QC Control Limit check for analyses and blanks including the DIFB and a rinsate sample check. Each evaluation is discussed in the following sections. Data check tables indicating the results of each test are provided under Tab I.

3.4.1 Field Data QA/QC Evaluation

The Director, Regulatory Compliance performs a review of the field recorded parameters to assess their adherence with QAP requirements. The assessment involved review of two sources of information: the Field Data Sheets and the Quarterly Depth to Water summary sheet. Review of the Field Data Sheets addresses well purging volumes and measurement of field parameters based on the requirements discussed in section 2.2.1 above. The purging technique employed determines the requirements for field parameter measurement and whether stability criteria are applied. Review of the Depth to Water data confirms that all depth measurements used for development of the groundwater contour maps were conducted within a five-day period as indicated by the measurement dates in the summary sheet under Tab D. The results of this quarter's review of field data are provided under Tab I.

Based upon the review of the field data sheets, the purging and field measurements were completed in conformance with the QAP requirements. A summary of the purging techniques employed and field measurements taken is described below:

Purging Two Casing Volumes with Stable Field Parameters (within 10% RPD)
Wells TW4-5, TW4-8, TW4-9, TW4-16, MW-32, TW4-18, TW4-23, TW4-32, and TW4-38 were sampled after two casing volumes were removed. Field parameters (pH, specific conductivity, turbidity, water temperature, DO, and redox potential) were measured during purging. All field parameters for this requirement were stable within 10% RPD.

Purging a Well to Dryness and Stability of a Limited List of Field Parameters
Wells TW4-3, TW4-6, TW4-7, TW4-10, TW4-12, TW4-13, TW4-14, TW4-26, TW4-27, TW4-28, TW4-29, TW4-30, TW4-31, TW4-33, TW4-34, TW4-35, TW4-36, TW4-42, and TW4-43 were pumped to dryness before two casing volumes were evacuated. After well recovery, one set of measurements of pH, conductivity and temperature were taken. The samples were then collected, and another set of measurements of pH, conductivity and temperature were taken. Stabilization of pH, conductivity and temperature are required within 10% RPD under the QAP. The QAP requirements for stabilization were met.

Continuously Pumped Wells
Wells MW-4, TW4-1, TW4-2, TW4-4, TW4-11, MW-26, TW4-19, TW4-21, TW4-22, TW4-24, TW4-25, TW4-37, TW4-39, TW4-40, and TW4-41 are continuously pumped wells. These wells are pumped on a set schedule per the remediation plan and are considered sufficiently evacuated to immediately collect a sample.

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

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

Wells TW4-9, TW4-16, MW-32, TW4-18, TW4-32 TW4-38, and TW4-40 exceeded the QAP's 5 NTU goal. EFRI's letter to DWMRC of March 26, 2010 discusses further why turbidity does not appear to be an appropriate parameter for assessing well stabilization. In response to DWMRC's subsequent correspondence dated June 1, 2010 and June 24, 2010, EFRI completed a monitoring well redevelopment program. The redevelopment report was submitted to DWMRC on September 30, 2011. DWMRC responded to the redevelopment report via letter on November 15, 2012. Per the DWMRC letter dated November 15, 2012, the field data generated this quarter are compliant with the turbidity requirements of the approved QAP.

3.4.2 Holding Time Evaluation

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

3.4.3 Receipt Temperature Evaluation

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

3.4.4 Analytical Method Checklist

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

3.4.5 Reporting Limit Evaluation

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

3.4.6 Receipt pH Evaluation

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

3.4.7 Trip Blank Evaluation

Trip blank results were reviewed to identify any VOC contamination resulting from transport of the samples. Trip blank checks are provided in Tab I. All of the trip blank samples were nondetect.

3.4.8 QA/QC Evaluation for Sample Duplicates

Section 9.1.4 a) of the QAP states that RPDs will be calculated for the comparison of duplicate and original field samples. The QAP acceptance limits for RPDs between the duplicate and original field sample is less than or equal to 20% unless the measured results are less than 5 times the required detection limit. This standard is based on the EPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, February 1994, 9240.1-05-01 as cited in the QAP. The RPDs are calculated for the duplicate pairs for all analytes regardless of whether or not the reported concentrations are greater than 5 times the required detection limits; however, data are considered noncompliant only when the results are greater than 5 times the reported detection limit and the RPD is greater than 20%. The additional duplicate information is provided for information purposes.

The duplicate results were within a 20% RPD in the samples except for chloroform in duplicate pair TW4-09/TW4-70. The approved QAP specifies a separate corrective action for duplicate RPDs outside of acceptance limits. The revised procedure for duplicate results outside of acceptance limits was implemented for the results outside of the acceptance limits. The corrective actions that were taken in accordance with the QAP procedure are as follows: the Director, Regulatory Compliance contacted the Analytical Laboratory and requested a review of the raw data to assure that there were no transcription errors and the data were accurately reported. The laboratory noted that the data were accurate and reported correctly. Reanalysis was not completed as the samples were out of holding time. Duplicate results are included in Tab I.

3.4.9 Rinsate Sample Check

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

Rinsate blank sample TW4-03R was nondetect for chloroform. TW4-03 had a reported chloroform detection of 27.3 ug/L. The rinsate blank results for TW4-3 were within the acceptance limits for the rinsate blank results.

Rinsate blank sample TW4-16R had a reported chloroform detection of 1.8 ug/L. The well sampled before TW4-16R was TW4-30 which had a detection of chloroform of 68.8 ug/L. The rinsate blank results for TW4-16R were within acceptance limits for the rinsate blank results.

Prior to the Q3 2022 sampling event EFRI serviced the DI water system and all filters and media were changed. The DI blank from the on-site DI system which generates the water for rinsate blank samples was nondetect, but has had reported concentrations in recent quarters. EFRI is continuing the investigation of the chloroform in the DI samples. The results of this investigation will be provided in future reports. EFRI is contacting the media and filter provider again and looking at plumbing systems to determine if the chloroform is originating within the physical system.

The data for all samples are usable as reported. Even if there were contribution of chloroform to the sample results, it would bias the data high and would result in a more conservative data application. EFRI does not believe the data quality has been affected.

3.4.10 Other Laboratory QA/QC

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

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

The QAP, Section 8.1.2 states that an MS/MSD pair may be analyzed with each analytical batch depending on the analytical method specifications. The QAP does not specify acceptance limits for the MS/MSD pair, and the QAP does not specify that the MS/MSD pair be prepared on EFRI samples only. Acceptance limits for MS/MSDs are set by the laboratories. The review of the information provided by the laboratories in the data packages verified that the specifications in the analytical methods to analyze either an MS or MS/MSD pair with each analytical batch were met as applicable to each method. While the QAP does not require it, the recoveries were reviewed for compliance with the laboratory established acceptance limits. The QAP does not require this level of review and the results of this review are provided for information only.

The information from the Laboratory QA/QC Summary Reports indicates that the MS/MSDs recoveries and the associated RPDs for the samples were within acceptable laboratory limits except as indicated in Tab I. The data recoveries and RPDs which are outside the laboratory established acceptance limits do not affect the quality or usability of the data because the recoveries and RPDs above or below the acceptance limits are indicative of matrix interference

most likely caused by other constituents in the samples. Matrix interferences are applicable to the individual sample results only. The specifications in the analytical methods to analyze a MS/MSD pair with each analytical batch (as applicable to the methods) was met and as such the data are compliant with the QAP

The QAP specifies that surrogate compounds shall be employed for all organic analyses, but the QAP does not specify acceptance limits for surrogate recoveries. The analytical data associated with the routine quarterly sampling met the requirement specified in the QAP. The information from the Laboratory QA/QC Summary Reports indicates that the surrogate recoveries for the quarterly chloroform samples were within acceptable laboratory limits for the surrogate compounds. The requirement in the QAP to analyze surrogate compounds was met and the data are compliant with the QAP. Furthermore, there are no QAP requirements for surrogate recoveries.

The QAP, Section 8.1.2 requires that each analytical batch shall be accompanied by a method blank. The analytical batches routinely contain a blank, which is a blank sample made and carried through all analytical steps. For the Mill samples, a method blank was prepared for the analytical methods. Per the approved QAP, contamination detected in analysis of method blanks will be used to evaluate any analytical laboratory contamination of environmental samples. The QAP states that non-conformance conditions will exist when contaminant levels in the samples(s) are not an order of magnitude greater than the blank result. There were no detections in the method blanks in this quarter. Method blank results are included in Tab I.

The information from the Laboratory QA/QC Summary Reports indicates that there were low and high LCS recoveries for chloromethane in three analytical batches as indicated in Tab I.

The low LCS recovery for carbon tetrachloride affected most samples in batches 22I0046 and22I1410. The data were flagged in accordance with EPA Method 8260. The data are usable for the intended purpose because carbon tetrachloride is not frequently detected. Further, the wells listed above do not have recent historical detections of chloromethane and the nondetect data are likely accurate.

4.0 INTERPRETATION OF DATA

4.1 Interpretation of Groundwater Levels, Gradients and Flow Directions.

4.1.1 Current Site Groundwater Contour Map

The water level contour maps (See Tab D) indicate that perched water flow ranges from generally southwesterly beneath the Mill site and tailings cells to generally southerly along the eastern and western margins of White Mesa south of the tailings cells.

Perched water mounding associated with the wildlife ponds locally changes the generally southerly perched water flow patterns. For example, northeast of the Mill site, mounding associated with formerly used wildlife ponds is still evident and disrupts the generally southwesterly flow pattern, to the extent that locally northwesterly flow occurs near MW-19 and PIEZ-1. The impact of the mounding associated with the northern ponds, to which water has not

been delivered since March 2012, is diminishing and is expected to continue to diminish as the associated mound decays due to reduced recharge. The perched groundwater mound associated with the southern wildlife pond is also diminishing due to reduced recharge at that location.

Not only has recharge from the wildlife ponds impacted perched water elevations and flow directions at the site, but the cessation of water delivery to the northern ponds, which are generally upgradient of the nitrate and chloroform plumes at the site, resulted in changing conditions that were expected to impact constituent concentrations and migration rates within the plumes. Specifically, past recharge from the northern ponds helped limit many constituent concentrations within the plumes by dilution while the associated groundwater mounding increased hydraulic gradients and contributed to plume migration. Since use of the northern ponds was discontinued in March 2012, increases in constituent concentrations in many wells, and decreases in hydraulic gradients within the plumes, are attributable to reduced recharge and the decay of the associated groundwater mound. EFRI and its consultants anticipated these changes and discussed these and other potential effects with DWMRC in March 2012 and May 2013.

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

In general, chloroform and nitrate concentrations within and in the vicinity of the chloroform plume appear to have been impacted to a greater extent than nitrate concentrations within and adjacent to the nitrate plume. This behavior is reasonable considering that the chloroform plume is generally more directly downgradient of and more hydraulically connected (via higher permeability materials) to the northern wildlife ponds.

In addition, the southern wildlife pond is in relatively close proximity to the downgradient (southern) extremity of the chloroform plume. Reduced recharge at the southern pond, and decay of the associated groundwater mound, can be expected to impact water level behavior and chloroform and nitrate concentrations in wells within this portion of the chloroform plume.

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

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

The combined impact of the above two mechanisms was anticipated to be more evident at chloroform pumping wells MW-4, MW-26, TW4-4, TW4-19, and TW4-20 (now abandoned); nitrate pumping wells TW4-22, TW4-24, TW4-25, and TWN-2; and non-pumped wells adjacent to the pumped wells. Impacts were also expected to occur over time at wells subsequently added to the chloroform pumping network: TW4-1, TW4-2, TW4-11, TW4-21 and TW4-37 (added during 2015); TW4-39 (added during the fourth quarter of 2016); TW4-41 (added during the second quarter of 2018); and TW4-40 (added during the second quarter of 2019). The overall impact was expected to be generally higher constituent concentrations in these wells over time until mass reduction resulting from pumping and natural attenuation eventually reduces concentrations. Short-term changes in concentrations at pumping wells and wells adjacent to pumping wells are also expected to result from changes in pumping conditions.

In addition to changes in the flow regime caused by wildlife pond recharge, perched flow directions are locally influenced by operation of the chloroform and nitrate pumping wells. Well defined cones of depression were typically evident in the vicinity of all chloroform pumping wells except TW4-4 and TW4-37, which began pumping in the first quarter of 2010 and the second quarter of 2015, respectively. The third quarter of 2018 was the first quarter that a well-defined cone of depression was associated with TW4-4, primarily the result of pumping at adjacent well TW4-41.

The lack of well-defined capture associated with chloroform pumping well TW4-4 was consistent prior to the third quarter of 2018, even though pumping since the first quarter of 2010 has depressed the water table in the vicinity of this well. The lack of a well-defined cone of depression near TW4-4 likely resulted from 1) variable permeability conditions in the vicinity of TW4-4, and 2) historical relatively low water levels at adjacent well TW4-14.

Nitrate pumping wells TW4-22, TW4-24, TW4-25, and TWN-2 started pumping during the first quarter of 2013. By the fourth quarter of 2013, operation of the nitrate pumping system had produced well-defined impacts on water levels. Water level impacts of the nitrate and chloroform pumping systems overlap; however the long-term interaction between the nitrate and chloroform pumping systems is evolving, and changes will be reflected in data collected during routine monitoring.

Water level patterns near nitrate pumping wells are expected to be influenced by the presence of, and the decay of, the groundwater mound associated with the northern wildlife ponds, and by the historically relatively low water level at TWN-7. Since 2012, water levels in TWN-7 have risen while water levels in nearby wells have generally dropped due to pumping and the decay of the northern groundwater mound. These factors have reduced water level differences between TWN-7 and nearby wells.

As discussed above, variable permeability conditions likely contributed to the lack of a well-defined cone of depression near chloroform pumping well TW4-4. Changes in water levels at wells immediately south and southeast (downgradient) of TW4-4 resulting from TW4-4 pumping were expected to be muted because TW4-4 is located at a transition from relatively high to relatively low permeability conditions south and southeast of TW4-4. As will be discussed below, the permeability of the perched zone at TW4-6, TW4-26, TW4-29, TW4-30, TW4-31, TW4-33, TW4-34, and TW4-35 is one to two orders of magnitude lower than at TW4-4, and the permeability at TW4-27 is approximately three orders of magnitude lower than at TW4-4.

Detecting water level drawdowns in wells immediately south and southeast of TW4-4 resulting from TW4-4 pumping has also been complicated by a former, long-term increase in water levels in this area that has been attributable to past wildlife pond recharge. Between the fourth quarter of 2007 and the fourth quarter of 2009 (just prior to the start of TW4-4 pumping), water levels at TW4-4 and TW4-6 increased by nearly 2.7 and 2.9 feet at rates of approximately 1.2 feet/year and 1.3 feet/year, respectively. However, between the start of pumping at TW4-4 (first quarter of 2010) and the fourth quarter of 2013, the rate of increase in water levels at TW4-6 was reduced to less than 0.5 feet/year suggesting that TW4-6 is within the hydraulic influence of TW4-4.

Water levels in wells currently within the chloroform plume south of TW4-4 (TW4-26, TW4-29 and TW4-40) are generally decreasing to stable. Note that water levels at TW4-30, which was incorporated within the plume from the fourth quarter of 2020 through last quarter, have been decreasing since 2020. Generally decreasing to stable water levels are evident at TW4-26 and TW4-29 since the fourth quarter of 2013; and at TW4-40 since installation in the first quarter of 2018. The water level in TW4-6 (remaining outside the plume again this quarter) has also trended generally downward since the fourth quarter of 2013; likewise the water level at TW4-33 (outside the plume since the first quarter of 2021) has trended downward since 2013. These generally downward trends are attributable to both the cessation of water delivery to the wildlife ponds and pumping. Although water levels at some of the wells marginal to the chloroform plume such as TW4-14, TW4-27 and TW4-31 were generally increasing until about the first quarter of 2018, these water levels now appear to be relatively stable to decreasing. Water level trends at TW4-30 have been similar to those at TW4-27.

These spatially variable water level trends likely result from pumping conditions, the permeability distribution, and distance from the wildlife ponds. Wells that are relatively hydraulically isolated (due to completion in lower permeability materials or due to intervening lower permeability materials) and that are more distant from pumping wells and the wildlife ponds, are expected to respond more slowly to pumping and reduced recharge than wells that are less hydraulically isolated and are closer to pumping wells and the wildlife ponds. Wells that are more hydraulically isolated will also respond more slowly to changes in pumping.

The previous lack of a well-defined cone of depression associated with TW4-4 was also influenced by the historically relatively low water level at non-pumping well TW4-14, located east of TW4-4 and TW4-6. Prior to 2018, although water level differences among these three wells had diminished, and TW4-4 has been pumping since 2010, the water level at TW4-14 was typically lower than the water level at TW4-6 and lower to an even greater extent than the water level at TW4-4. However, since the first quarter of 2018, as a result of pumping at TW4-

41(adjacent to TW4-4), and declining water levels at TW4-6, the water level at TW4-14 was typically higher than the water levels at both TW4-4 and TW4-6. During the current quarter the water level at TW4-14 (approximately 5535.4 feet above mean sea level ["ft amsl"]) is more than 6 feet higher than the water level at TW4-6 (approximately 5528.8 ft amsl), and is more than 10 feet higher than the water level at TW4-4 (approximately 5525.0 ft. amsl).

The static water levels at wells TW4-14 and downgradient well TW4-27 (installed south of TW4-14 in the fourth quarter of 2011) were similar (within 1 to 2 feet) until the third quarter of 2014; both appeared anomalously low. TW4-27 was positioned at a location considered likely to detect any chloroform present and/or to bound the chloroform plume to the southeast and east (respectively) of TW4-4 and TW4-6. As will be discussed below, groundwater data collected since installation indicates that TW4-27 does indeed bound the chloroform plume to the southeast and east of TW4-4 and TW4-6 (respectively); however, chloroform exceeding 70 µg/L has been detected at more recently installed temporary perched wells TW4-29 (located south of TW4-27) and TW4-33 (located between TW4-4 and TW4-29).

Prior to the installation of TW4-27, the persistently low water level at TW4-14 was considered anomalous because it appeared to be downgradient of all three wells TW4-4, TW4-6, and TW4-26, yet chloroform had not been detected at TW4-14. Chloroform had apparently migrated from TW4-4 to TW4-6 and from TW4-6 to TW4-26. This suggested that TW4-26 was actually downgradient of TW4-6, and TW4-6 was actually downgradient of TW4-4, regardless of the flow direction implied by the relatively low water level at TW4-14. The water level at TW4-26 (5526.9 feet amsl) is, however, lower than water levels at adjacent wells TW4-6 (5528.8 feet amsl) and TW4-23 (5530.8 feet amsl), as shown in the detail water level map under Tab D.

Hydraulic tests indicate that the permeability at TW4-27 is an order of magnitude lower than at TW4-6 and three orders of magnitude lower than at TW4-4 (see Hydro Geo Chem, Inc. [HGC], September 20, 2010: Hydraulic Testing of TW4-4, TW4-6, and TW4-26, White Mesa Uranium Mill, July 2010; and HGC, November 28, 2011: Installation, Hydraulic Testing, and Perched Zone Hydrogeology of Perched Monitoring Well TW4-27, White Mesa Uranium Mill Near Blanding, Utah). Past similarity of water levels at TW4-14 and TW4-27, and the low permeability estimate at TW4-27, suggested that both wells were completed in materials having lower permeability than nearby wells. The low permeability condition likely reduced the rate of long-term water level increase at TW4-14 and TW4-27 compared to nearby wells, yielding water levels that appeared anomalously low. This behavior is consistent with hydraulic test data collected from more recently installed wells TW4-29, TW4-30, TW4-31, TW4-33, TW4-34 and TW4-35, which indicate that the permeability of these wells is one to two orders of magnitude higher than the permeability of TW4-27 (see: HGC, January 23, 2014, Contamination Investigation Report, TW4-12 and TW4-27 Areas, White Mesa Uranium Mill Near Blanding, Utah; and HGC, July 1, 2014, Installation and Hydraulic Testing of TW4-35 and TW4-36, White Mesa Uranium Mill Near Blanding, Utah [As-Built Report]). Hydraulic tests also indicate that the permeability at TW4-36 is slightly higher than but comparable to the low permeability at TW4-27, suggesting that TW4-36, TW4-14 and TW4-27 are completed in a continuous low permeability zone.

The current quarterly water level at TW4-27 (5528.7 ft. amsl) is more than 6 feet lower than the water level at TW4-14 (5535.4 ft. amsl). Increases in water level differences between TW4-14 and TW4-27 since 2013 are attributable to more rapid increases in water levels at TW4-14 compared to TW4-27. This behavior likely results primarily from: the relative positions of the wells; past water delivery to the northern wildlife ponds; and the permeability distribution. Past seepage from the ponds caused propagation of water level increases in all directions including downgradient to the south. The relative hydraulic isolation of TW4-14 and TW4-27 delayed responses at these locations. Until pumping started at TW4-41, water levels at both these wells were consistently lower than in surrounding higher permeability materials even though water levels in surrounding materials were generally decreasing due to reduced pond seepage and pumping. Although water levels at TW4-14 and TW4-27 appear to have stabilized, the previous rate of increase was higher at TW4-14 due to factors that include: closer proximity to the northern pond seepage source; and a smaller thickness of low permeability materials separating TW4-14 from surrounding higher permeability materials. In addition, hydraulic gradients between TW4-14 and surrounding higher permeability materials were relatively large and were consistently directed toward TW4-14 prior to TW4-41 pumping. Slowing of the rates of water level increase at TW4-14 (since 2015) and TW4-27 (since early 2014), and relative stabilization since about the first quarter of 2018, are attributable to changes in hydraulic gradients between these wells and surrounding higher permeability materials.

In addition, water levels in this area are affected by reduced recharge at the southern wildlife pond and the decay of the associated groundwater mound. The decay of the mound is expected to contribute to changes in hydraulic gradients between the low permeability materials penetrated by TW4-14 and TW4-27 and the surrounding higher permeability materials. Because TW4-27 is closer to the southern wildlife pond than TW4-14, changes in hydraulic gradients attributable to decay of the southern groundwater mound are expected to impact TW4-27 sooner and to a greater extent than TW4-14, consistent with the lower rate of increase in water levels at TW4-27, and the earlier reduction in the rate of increase (since early 2014) as discussed above).

The low permeability at TW4-14 and TW4-27 is expected to retard the transport of chloroform to these wells (compared to nearby wells). As will be discussed in Section 4.2.3, TW4-14 and TW4-27 remain outside the plume with current quarter chloroform concentrations of 1.1 µg/L and 4.3 µg/L, respectively.

Chloroform exceeding 70 µg/L detected at TW4-29 and TW4-33 since their installation in 2013 indicates that, in addition to migrating south from TW4-4 to TW4-6 and TW4-26, chloroform also migrated along a relatively narrow path to the southeast from the vicinity of TW4-4 to TW4-33 then TW4-29. Such migration was in a direction nearly cross-gradient with respect to the direction of groundwater flow implied by the historic groundwater elevations in this area, which, until about 2014, placed TW4-14 almost directly downgradient of TW4-4. Such migration was historically possible because the water levels at TW4-29 were lower than the water levels at TW4-4 (and TW4-6). The permeability and historic water level distributions are generally consistent with the apparent nearly cross-gradient migration of chloroform from TW4-4 around the low permeability zone defined by TW4-36, TW4-14, and TW4-27.

Chloroform at TW4-30 exceeded 70 µg/L for the first time during the fourth quarter of 2020 and was detected at approximately 71 µg/L last quarter; however, because chloroform at TW4-30 was detected at approximately 69 µg/L this quarter, TW4-30 again bounds the plume to the east. Chloroform was not detected at recently installed bounding well TW4-43 (located east-southeast of TW4-30); nor at wells TW4-31 (located east of TW4-27), or TW4-35 (located southeast and generally downgradient of TW4-29). Although chloroform was detected for the first time at TW4-34 (located south and cross- to downgradient of TW4-29) at a concentration of 1.2 µg/L, TW4-34 continues to bound the plume to the south-southeast.

Data from wells within and adjacent to the southern portion of the chloroform plume indicate that:

1. Chloroform exceeding 70 µg/L at TW4-29 is bounded by concentrations below 70 µg/L at wells TW4-6, TW4-23, TW4-27, TW4-33, TW4-34, TW4-35 and TW4-42; and, as discussed above, TW4-30 (with a concentration this quarter of approximately 69 µg/L) again bounds the plume immediately to the east. Although previously downgradient of TW4-29, due to long-term changes in water levels, TW4-30 is now generally cross-gradient of TW4-29. TW4-6, TW4-23, TW4-27 and TW4-33 are generally cross- to upgradient of TW4-29; TW4-34 and TW4-35 are generally cross- to downgradient of TW4-29; TW4-42 is generally cross- to downgradient of TW4-29; and TW4-43 is generally cross- to downgradient of TW4-30.

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

3. Chloroform concentrations at TW4-26 exceeded 70 µg/L for the first time during the second quarter of 2017. Chloroform at TW4-26 is bounded by concentrations below 70 µg/L at TW4-6 and TW4-23 (located up- to cross-gradient of TW4-26); and at TW4-34 (located generally cross- gradient of TW4-26). Chloroform has not been detected at TW4-23; and was detected for the first time at TW4-34 this quarter (at a concentration of 1.2 µg/L). Although chloroform exceeding 70 µg/L was detected at well TW4-40, installed approximately 200 feet south of TW4-26 in February, 2018, chloroform has not been detected at TW4-42, installed approximately 200 feet south of TW4-40 in April, 2019. TW4-42 is generally downgradient of both TW4-26 and TW4-40 and bounds the chloroform plume to the south.

Eventually, TW4-4 pumping, enhanced by operation of adjacent pumping well TW4-41, is likely to reduce chloroform at both TW4-29 and TW4-33 by cutting off the source. The decrease at TW4-33 is expected to be faster than at TW4-29 because TW4-33 is in closer proximity to TW4-4 pumping. Such behavior is expected by analogy with the temporary decreases in chloroform concentrations that occurred at TW4-6 and TW4-26 once TW4-4 pumping began (discussed in Section 4.2.3). Since installation in 2013, however, concentrations at TW4-33 appear to be relatively stable to decreasing (and have generally been decreasing since 2018). From the third quarter of 2014 until the second quarter of 2020, concentrations at TW4-29 generally increased;

however since the second quarter of 2020 concentrations appear to be relatively stable to decreasing.

Chloroform trends at TW4-29 and TW4-33 suggest that chloroform migration has been arrested at TW4-33 by TW4-4 (and TW4-41) pumping and that increased chloroform at TW4-29 resulted from a remnant of the plume that migrated past TW4-33 and generally toward TW4-30 (which was previously downgradient of TW4-29). The influence of TW4-4 pumping at the distal end of the plume is consistent with generally decreasing water levels at both TW4-29 and TW4-33. Pumping at TW4-41 since the second quarter of 2018 is expected to help maintain or enhance this decline.

Decreasing water level trends at TW4-29 and TW4-33 are also consistent with reduced wildlife pond seepage. The decay of the groundwater mound associated with the southern wildlife pond, which is 3 to 4 times closer to the southern extremity of the chloroform plume than the northern ponds, is expected to impact water levels within and adjacent to this portion of the plume. Reduced wildlife pond seepage, in particular, reduced seepage from the southern wildlife pond, likely contributes to decreasing water level trends at both wells (since about the fourth quarter of 2013); temporarily increased concentrations at TW4-6 subsequent to the first quarter of 2014; and increased concentrations at TW4-26 since the third quarter of 2016.

As the groundwater mound associated with the southern pond decays, groundwater flow directions in the southern extremity of the plume have become more southerly, and plume migration has turned more to the south. An increasingly southerly direction of plume migration is consistent with water level changes in this area and increased concentrations at TW4-26.

In addition, generally decreasing concentrations at TW4-6 since the third quarter of 2015, and generally increased concentrations at TW4-26 since the third quarter of 2016, suggest that TW4-4 pumping has arrested chloroform migration between TW4-4 and TW4-6, and that increased chloroform at TW4-26 results from a remnant of the plume that continues to migrate south from TW4-6 to TW4-26. The enhancement of pumping in the vicinity of TW4-4 by the start-up of TW4-41 pumping in the second quarter of 2018 is likely to increase this apparent separation and to have resulted in concentrations at TW4-6 dropping below 70 µg/L after the second quarter of 2018. Furthermore, the initiation of pumping at TW4-40 during the second quarter of 2019 is expected to reduce or prevent chloroform migration to the south of TW4-40.

Small but detectable chloroform concentrations at TW4-14 (from the fourth quarter of 2014 through the first quarter of 2021; and during the current quarter) and at TW4-27 (since the third quarter of 2015) suggest ongoing, but slow, downgradient migration of chloroform from the southeastern extremity of the plume (near TW4-29 and TW4-33) into the low permeability materials penetrated by TW4-14 and TW4-27. Pumping at TW4-41 is expected to reduce or prevent future migration of chloroform toward these wells.

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

The groundwater contour map for the Mill site for the first quarter of 2022, as submitted with the Chloroform Monitoring Report for the first quarter of 2022, is attached under Tab E. A

comparison of the water table contour maps for the current quarter (third quarter of 2022) to the water table contour maps for the previous quarter (second quarter of 2022) indicates the following: water level changes at the majority of site wells were small (< 1 foot); only small changes to water level contours have resulted from water level measurements at recently installed temporary chloroform well TW4-43; and water level contours have not changed significantly except in the vicinities of many of the nitrate and chloroform pumping wells. Overall, total pumping capture is larger than last quarter.

Drawdown patterns and overall capture associated with pumping of the original chloroform pumping wells MW-4, MW-26, and TW4-19 have changed as additional groups of wells have been added to the pumping network. A large expansion in capture occurred within a year of the initiation of pumping at nitrate pumping wells TW4-22, TW4-24, TW4-25 and TWN-2 in the first quarter of 2013. Additional large expansions occurred once chloroform pumping wells TW4-1, TW4-2, TW4-11, TW4-21 and TW4-37 became operational in 2015, and once TW4-39 became operational in the fourth quarter of 2016. Significant expansion of capture to the south has resulted from pumping of TW4-41 since the second quarter of 2018 and from initiation of pumping at TW4-40 during the second quarter of 2019.

The drawdowns at chloroform pumping wells TW4-4, TW4-21 and TW4-39; and at nitrate pumping wells TW4-22 and TWN-2 increased by more than 2 feet this quarter; while drawdowns at chloroform pumping wells MW-26, TW4-1 and TW4-2 decreased by more than 2 feet this quarter. Water level changes at other nitrate and chloroform pumping wells were 2 feet or less, although both increases (decreases in drawdown) and decreases (increases in drawdown) occurred. Water level fluctuations at pumping wells typically occur in part because of fluctuations in pumping conditions just prior to and at the time the measurements are taken. The reported water level for chloroform pumping well TW4-11 is below the depth of the Brushy Basin contact this quarter.

In addition, the reported increase in water level (decrease in drawdown) of nearly 52 feet at chloroform pumping well TW4-2 is considered anomalous and likely due to measurement error. Although both increases and decreases in drawdown occurred in pumping wells, the overall apparent capture area of the combined pumping system is larger than last quarter.

As discussed in Section 4.1.1, pumping at chloroform well TW4-4, which began in the first quarter of 2010, depressed the water table near TW4-4, but a well-defined cone of depression was not clearly evident until the third quarter of 2018, likely due to variable permeability conditions near TW4-4 and the historically relatively low water level at adjacent well TW4-14. The expanded cone of depression associated with TW4-4 and adjacent pumping well TW4-41 since the initiation of pumping at TW4-41 in the second quarter of 2018 has contributed to southerly expansion of total pumping system capture. As discussed above, southerly expansion of capture was additionally enhanced in the second quarter of 2019 by the initiation of pumping at TW4-40.

The water levels at Piezometers 2 and 3A decreased by as much as 0.42 feet this quarter; and water levels at Piezometers 4 and 5 decreased by as much as 1.2 feet. These decreases are consistent with cessation of water delivery to the wildlife ponds as discussed in Section 4.1.1 and

the consequent continuing decay of the associated perched water mounds. However, water levels at wells TWN-1 and TWN-4 increased slightly by as much as 0.06 feet.

The reported water level at MW-20 increased by more than 1.9 feet. Water level variability at this well likely results from low permeability and variable intervals between purging/sampling and water level measurement. The reported water level increase at MW-20 more than compensates for the reported decrease last quarter.

Measurable water was not reported at DR-22. Although DR-22 is typically dry, measurable water was reported in the bottom of its casing between the second quarter of 2015 and the third quarter of 2016. Similar to last quarter, measurable water was also not reported at DR-12 this quarter.

4.1.3 Hydrographs

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

4.1.4 Depth to Groundwater Measured and Groundwater Elevation

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

4.1.5 Evaluation of the Effectiveness of Hydraulic Capture

Perched water containing chloroform has been removed from the subsurface by operating chloroform pumping wells MW-4, MW-26 and TW4-19 since 2003; TW4-4 since 2010; TW4-1, TW4-2, TW4-11, TW4-21 and TW4-37 since 2015; TW4-39 since the fourth quarter of 2016; TW4-41 since the second quarter of 2018; and TW4-40 since the second quarter of 2019. TW4-20 was also operated as a pumping well from 2005 until August, 2020 when it collapsed and was subsequently abandoned. The primary purpose of pumping the above wells is to reduce total chloroform mass in the perched zone as rapidly as is practical.

The original pumping wells upgradient of TW4-4 were chosen because 1) they were located in areas of the perched zone having relatively high permeability and saturated thickness, and 2) high concentrations of chloroform were detected at these locations. The relatively high transmissivity of the perched zone in the vicinity of these original pumping wells resulted in the wells having a relatively high productivity. The combination of relatively high productivity and high chloroform concentrations allowed for a high rate of chloroform mass removal. TW4-4 and TW4-41 are located in a downgradient area having relatively high chloroform concentrations but relatively small saturated thickness, and at a transition from relatively high to relatively low permeability conditions downgradient of TW4-4. As with the other chloroform pumping wells, pumping TW4-4 and TW4-41 helps to reduce the rate of chloroform migration in downgradient portions of the plume.

Although pumping of TW4-6 and TW4-26 (located south of TW4-4 and TW4-41) is impractical due to low permeability and small saturated thicknesses, the permeability in the vicinity of TW4-

40 (located south of TW4-26) is large enough to make pumping practical. TW4-40 is valuable in that it is located within the downgradient (southern) toe of the plume and is relatively productive. Pumping of TW4-40 is likely to more effectively reduce or prevent further downgradient plume migration than can be expected by pumping at the more upgradient locations.

The impact of chloroform pumping is indicated by the water level contour maps attached under Tabs D and E. Cones of depression are evident in the vicinity of MW-4; and near MW-26, TW4-19, TW4-37 and TW4-39. These wells continue to remove significant quantities of chloroform from the perched zone. Relatively large cones of depression are also evident in the vicinities of wells TW4-1 and TW4-2 (near MW-4); and at TW4-11. These wells began pumping during the first quarter of 2015. As discussed in Section 4.1.1, although chloroform pumping well TW4-4 became operational in 2010, the drawdown associated with TW4-4 was likely less apparent due to variable permeability conditions near TW4-4 and the persistently low water level at adjacent well TW4-14. However, pumping at adjacent well TW4-41 since the second quarter of 2018 has generally increased drawdowns in this area; the third quarter of 2018 was the first quarter that a well-defined cone of depression was associated with TW4-4. As discussed in Section 4.1.2 the combined pumping of TW4-4 and TW4-41, enhanced by initiation of pumping at TW4-40 during the second quarter of 2019, has contributed to southerly expansion of total pumping system capture. Overall, the water level contour maps indicate effective capture of water containing high chloroform concentrations in the vicinities of the pumping wells.

Compared to last quarter, both increases and decreases in water levels occurred at nitrate and chloroform pumping wells, although changes in water levels in chloroform pumping wells MW-4, TW4-11, TW4-19, TW4-37, TW4-40 and TW4-41; and nitrate pumping wells TW4-24 and TW4-25 were less than two feet. Water level decreases occurred in chloroform pumping wells TW4-4 (approximately 4.4 feet); TW4-11 (approximately 0.24 feet); TW4-19 (nearly 1.3 feet); TW4-21 (nearly 3.7 feet); and TW4-39 (approximately 3 feet); and in nitrate pumping wells TW4-22 (approximately 11.2 feet); TW4-25 (approximately 0.4 feet); and TWN-2 (approximately 9.5 feet). Water level increases occurred in chloroform pumping wells MW-4 (nearly 0.3 feet); MW-26 (approximately 9.1 feet); TW4-1 (nearly 5.3 feet); TW4-2 (nearly 52 feet); TW4-37 (approximately 1.1 feet); TW4-40 (nearly 0.9 feet); and TW4-41 (nearly 0.9 feet feet); and in nitrate pumping well TW4-24 approximately 0.4 feet).

As discussed in Section 4.1.2, the reported increase in water level (decrease in drawdown) of nearly 52 feet at chloroform pumping well TW4-2 is considered anomalous and likely due to measurement error. Overall, the apparent combined capture area of the nitrate and chloroform pumping systems is larger than last quarter; capture increased primarily due to increased drawdowns at nitrate pumping wells TW4-22 and TWN-2.

The capture associated with nitrate pumping wells and chloroform pumping wells added since the beginning of 2015 is expected to generally increase over time as water levels continue to decline due to cessation of water delivery to the northern wildlife ponds and continued pumping. Slow development of hydraulic capture in the vicinities of many wells is consistent with and expected based on the relatively low permeability of the perched zone at the site.

The hydraulic capture effectiveness of both chloroform and nitrate pumping systems depends to some extent on the continued productivity of chloroform and nitrate pumping wells. Decreases in productivity since the third quarter of 2014 have been noted in chloroform pumping well TW4-19 and nitrate pumping well TW4-24. The impact of reduced productivity of these wells on chloroform capture was discussed in Attachment N (Tab N) of the third quarter, 2015 report. The report also included a discussion of the effectiveness of chloroform pumping on chloroform capture. 'Background' flow through the chloroform plume was calculated in Attachment N as approximately 3.3 gpm. A more refined 'background' flow calculation of 3.4 gpm was provided in the CACME Report (See HGC, March 31, 2016: Corrective Action Comprehensive Monitoring Evaluation Report, White Mesa Uranium Mill, Near Blanding, Utah).

Decreases in productivity at TW4-4 since the third quarter of 2016 have been addressed by the operation of adjacent pumping well TW4-41 since the second quarter of 2018.

Pumping from wells within and immediately adjacent to the chloroform plume during the current quarter (from wells MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-21, TW4-22, TW4-24, TW4-37, TW4-39, TW4-40 and TW4-41) is approximately 4.4 gpm.

The pumping calculation is based on the total volume pumped by the above wells over the 90-day quarter (572,462 gallons) and accounts for times that the pumps are off due to insufficient water columns in the wells. Pumping from these wells exceeds the calculated background flow by 1 gpm or 29% and is considered adequate at the present time even with the reduced productivities of some wells and the abandonment of TW4-20. In addition, because of continued reductions in saturated thicknesses and hydraulic gradients resulting from reduced wildlife pond recharge, 'background' flow through the plume is expected to continue to diminish, thereby reducing the pumping needed to control the plume.

Chloroform concentrations at many locations have been or appear to be affected by changes associated with reduced dilution from the wildlife ponds and nitrate pumping. For example, increases in chloroform at TW4-22 and TW4-24 after these wells were converted to nitrate pumping wells are attributable to westward migration of chloroform from the vicinity of TW4-20 toward these wells. The increase in concentration at TW4-8 from non-detect to 100 µg/L in the first quarter of 2014 is likely related to reduced dilution. The concentration at TW4-8 remained below 70 ug/L this quarter after dropping below 70 µg/L during the first quarter of 2020. In addition, although the chloroform concentration in TW4-6 generally decreased between the first quarter of 2015 and the current quarter (and remains outside the plume), concentrations at TW4-6 increased from approximately 6 µg/L in the first quarter of 2014 to 1,180 µg/L in the first quarter of 2015 before dropping to 3.9 µg/L this quarter. The increase between the first quarter of 2014 and the first quarter of 2015 was likely related to both reduced dilution and more westward flow induced by nitrate pumping.

TW4-6 is located immediately south and historically cross- to downgradient of chloroform pumping well TW4-4. TW4-6 has been incorporated into the chloroform plume twice: from the first quarter of 2009 through the third quarter of 2010; and from the third quarter of 2014 through the second quarter of 2018. Pumping of TW4-6 (and TW4-26) is impractical because of relatively low permeability and relatively small saturated thicknesses. However, pumping at

more productive locations upgradient of TW4-6 (such as TW4-4 and TW4-41) enhances mass removal and lowers hydraulic gradients, thereby reducing the rate of downgradient chloroform migration and allowing natural attenuation to be more effective. Pumping at TW4-4 was implemented during the first quarter of 2010 to improve capture downgradient of TW4-4 to the extent allowable by the lower productivity conditions present in this area.

The beneficial effect of pumping TW4-4 was demonstrated by the net decreases in TW4-6 chloroform concentrations from 1,000 µg/L to 10.3 µg/L, and in TW4-26 from 13 µg/L to 4.2 µg/L, between the initiation of TW4-4 pumping and the second quarter of 2014. Concentrations at these wells decreased substantially even though they did not unambiguously appear to be within the hydraulic capture of TW4-4. As discussed in Section 4.1.1, however, the decrease in the long-term rate of water level rise at TW4-6 after TW4-4 began pumping does suggest that TW4-6 was within the hydraulic influence of TW4-4. The decline in water levels at TW4-6 since the fourth quarter of 2013 likely reflects the additional influences of cessation of water delivery to the wildlife ponds and the addition of chloroform pumping wells TW4-1, TW4-2, TW4-11 and TW4-41. Regardless of whether TW4-6 was demonstrably within the hydraulic capture of TW4-4, pumping TW4-4, and more recently installed adjacent pumping well TW4-41, helps to reduce chloroform migration to TW4-6, TW4-26, and other downgradient locations by the mechanisms discussed above.

Likewise, pumping at other productive upgradient locations has a beneficial impact on downgradient chloroform even if the downgradient chloroform is not completely within the hydraulic capture of the productive upgradient well(s). For example, pumping at MW-26 likely reduced chloroform concentrations at TW4-16 from a maximum of 530 µg/L in the second quarter of 2004 to less than 70 µg/L by the fourth quarter of 2005, and maintained concentrations below 70 µg/L until the second quarter of 2014, even though TW4-16 appears to be beyond the hydraulic capture of MW-26. Furthermore, the overall hydraulic capture of the chloroform pumping system has expanded since initiation of pumping at wells TW4-1, TW4-2, TW4-11 TW4-21, TW4-37, TW4-39, TW4-40 and TW4-41 since the beginning of 2015. In particular, the addition of wells TW4-1, TW4-2, TW4-11, TW4-21, TW4-37 and TW4-39 likely halted the mid-2013 to end of 2014 increase in concentration at TW4-16 from non-detect to 387 µg/L. Concentrations at TW4-16 dropped from 387 µg/L in the fourth quarter of 2014 to less than 70 µg/L by the second quarter of 2015. Although chloroform at TW4-16 has been above and below 70 µg/L since 2014, and was detected at 138 µg/L this quarter, concentrations have generally increased since 2018, likely in response to reduced dilution.

Chloroform exceeding 70 µg/L was detected in the second quarter of 2013 at TW4-29, installed during the first quarter of 2013 and located south of TW4-27 and east of TW4-26. With respect to historic groundwater flow directions implied by historic groundwater elevations in this area, TW4-29 was positioned generally cross-gradient of TW4-4 and TW4-6. As discussed in Section 4.1.1, chloroform detected at TW4-29 may have migrated around the low permeability area defined by TW4-27, TW4-14 and TW4-36. The apparent migration pathway from TW4-4 to TW4-29 is consistent with chloroform exceeding 70 µg/L detected in the fourth quarter of 2013 at TW4-33, installed during the third quarter of 2013 and located between TW4-4 and TW4-29. Chloroform concentrations at TW4-33 that are lower than concentrations at TW4-29, and the

likelihood that a pathway exists from TW4-4 to TW4-33 to TW4-29, suggest that concentrations in the vicinity of TW4-33 were likely higher prior to initiation of TW4-4 pumping.

TW4-4 pumping (augmented by pumping at adjacent well TW4-41) is expected to eventually reduce chloroform at both TW4-33 and TW4-29 by cutting off the source, with the impact at TW4-33 anticipated to be greater than at TW4-29 because TW4-33 is in closer proximity to TW4-4 (and TW4-41) pumping. By analogy, such behavior would be consistent with the decreases in chloroform concentrations at TW4-6 and TW4-26 that occurred once TW4-4 pumping began.

However, for several quarters after installation, concentrations at both TW4-29 and TW4-33 were relatively stable (rather than decreasing). Between the third quarter of 2014 and the second quarter of 2020, concentrations at TW4-29 generally increased; subsequently concentrations stabilized. Over the same time period concentrations at TW4-33 remained generally stable to decreasing. As discussed in Section 4.1.1, decreasing concentration trends at both wells were eventually expected to occur. Since the third quarter of 2014, TW4-33 concentrations that have been relatively stable to decreasing; and TW4-29 concentrations that generally increased before stabilizing; appear consistent with these expectations. Trends at these wells suggest that chloroform migration has been arrested at TW4-33 by TW4-4 (and TW4-41) pumping and that previously increasing chloroform at TW4-29 resulted from a remnant of the plume that migrated past TW4-33 generally toward TW4-30 (which was previously downgradient of TW4-29). The influence of TW4-4 pumping at the distal end of the plume is consistent with generally decreasing water levels at both TW4-29 and TW4-33. However, as discussed in Section 4.1.1, decreasing water level trends are also consistent with reduced wildlife pond seepage. The decay of the groundwater mound associated with the southern wildlife pond, which is 3 to 4 times closer to the southern extremity of the chloroform plume than the northern ponds, is likely to have an impact on water levels within and adjacent to this portion of the plume.

As discussed in Section 4.1.1, generally decreasing water level trends at TW4-6 and TW4-26 (since about the fourth quarter of 2013), temporarily increased concentrations at TW4-6 (since the first quarter of 2014) and increased concentrations at TW4-26 (since the third quarter of 2016), are also consistent with reduced wildlife pond seepage, in particular reduced seepage from the southern wildlife pond. As the groundwater mound associated with the southern pond decays, groundwater flow directions in the southern extremity of the plume have become more southerly, and plume migration is turning more to the south. An increasingly southerly direction of plume migration is consistent with increased concentrations at TW4-26 (from less than 10 µg/L in the third quarter of 2016 to 930 µg/L this quarter).

In addition, as in the area near TW4-29 and TW4-33, generally decreasing concentrations at TW4-6 since the third quarter of 2015, and generally increased concentrations at TW4-26 since the third quarter of 2016, suggest that TW4-4 (and TW4-41) pumping has arrested chloroform migration between TW4-4 and TW4-6, and that increased chloroform at TW4-26 results from a remnant of the plume that continues to migrate south from TW4-6 to TW4-26. The enhancement of pumping in the vicinity of TW4-4 by the start-up of TW4-41 pumping in the second quarter of 2018 is likely to increase this apparent separation and to have resulted in concentrations at TW4-6 dropping below 70 µg/L beginning in the third quarter of 2018.

Furthermore, small but detectable chloroform concentrations at TW4-14 (from the fourth quarter of 2014 through the first quarter of 2021; and during the current quarter) and at TW4-27 (since the third quarter of 2015) suggest ongoing, but slow, downgradient migration of chloroform from the southeastern extremity of the plume into the low permeability materials penetrated by these wells.

Chloroform analytical results from TW4-35 (as discussed in Section 4.2.3) demonstrate that chloroform is bounded to the southeast of TW4-29; and recently installed well TW4-43 bounds chloroform to the southeast of TW4-29 and TW4-30. Because the chloroform concentration at TW4-30 dropped below 70 µg/L this quarter, TW4-30 again bounds the plume to the east of TW4-29 for the first time since the third quarter of 2020.

From 2014 through 2019 chloroform concentrations at TW4-8 exceeded 70 µg/L and TW4-36 (non-detect for chloroform) served as an eastern bounding well. However, since the end of 2019, chloroform at TW4-8 remained below 70 µg/L and continues to bound the chloroform plume to the east.

4.2 Review of Analytical Results

4.2.1 Current Chloroform Isoconcentration Map

Included under Tab J of this Report is a current chloroform isoconcentration map for the Mill site. Details of the gridding procedure used to generate the chloroform isoconcentration map (consistent with Part III.B.2.a through Part III.B.2.c of the GCAP) are provided in Tab L.

4.2.2 Chloroform Concentration Trend Data and Graphs

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

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

4.2.3 Interpretation of Analytical Data

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

a) Chloroform concentrations have increased by more than 20% in the following wells compared to last quarter: TW4-5, TW4-6, TW4-7, TW4-8, TW4-10, TW4-19, TW4-21, TW4-22, TW4-27 and TW4-29;

b) Chloroform concentrations decreased by more than 20% in the following wells compared to last quarter: TW4-24 and TW4-37;

c) Chloroform concentrations have remained within 20% in the following wells compared to last quarter: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-9, TW4-11, TW4-16, TW4-18, TW4-26, TW4-30, TW4-33, TW4-39, TW4-40 and TW4-41;

d) Chloroform concentrations have remained non-detect in the following wells: MW-32, TW4-3, TW4-12, TW4-13, TW4-23, TW4-25, TW4-28, TW4-31, TW4-32, TW4-35, TW4-36, TW4-38, TW4-42 and TW4-43;

e) TW4-14 increased from non-detect to 1.1 µg/L;

f) TW4-30 dropped below 70 µg/L and again bounds the plume to the east; and

g) Chloroform (at 1.2 µg/L) was detected at TW4-34 for the first time since it was installed and initially sampled in 2013.

As indicated, chloroform concentrations at many of the wells with detected chloroform were within 20% of the values reported for the wells during the previous quarter, suggesting that variations are within the range typical for sampling and analytical error. Wells TW4-5, TW4-6, TW4-7, TW4-8, TW4-10, TW4-19, TW4-21, TW4-22, TW4-24, TW4-27, TW4-29 and TW4-37 had changes in concentration greater than 20%. Of these, TW4-19, TW4-21, and TW4-37 are chloroform pumping wells; and TW4-22 and TW4-24 are nitrate pumping wells; TW4-5 is located outside and near the plume adjacent to chloroform pumping well TW4-39; TW4-6 is located outside and near the plume adjacent to chloroform pumping wells TW4-4 and TW4-41; TW4-7 and TW4-8 are located adjacent to chloroform pumping well MW-4; TW4-10 is located near chloroform pumping wells MW-26 and TW4-39; TW4-27 is located just outside the southeastern extremity of the plume; and TW4-29 is located in the southeastern extremity of the plume just within the plume boundary. Fluctuations in concentrations at both chloroform and nitrate pumping wells and wells adjacent to pumping wells likely result in part from changes in pumping. In addition, fluctuations in concentrations are expected at wells located near the plume margins (such as TW4-6, TW4-8, TW4-24 and TW4-29).

Chloroform pumping wells MW-4 (1,200 µg/L); TW4-4 (1,040 µg/L); TW4-11 (3,020 µg/L); TW4-19 (4,750 µg/L); TW4-37 (11,600 µg/L); TW4-41 (1,060 µg/L); and nitrate pumping well TW4-22 (3,190 µg/L) had the highest detected chloroform concentrations. Although pumping well TW4-20, formerly located between pumping wells TW4-19 and TW4-37, would typically be distinguished as having one of the highest concentrations, TW4-20 collapsed during August, 2020 and was abandoned in October, 2020.

Since last quarter, the chloroform concentrations in MW-4 increased from 1,010 to 1,200 µg/L; TW4-4 decreased from 1,110 µg/L to 1,040 µg/L; TW4-11 increased from 2,550 to 3,020 µg/L; TW4-19 increased from 2,540 µg/L to 4,750 µg/L; and TW4-37 decreased from 46,800 to 11,600 µg/L. Compared to last quarter's concentration, which appeared to be anomalous, the current quarter's concentration for TW4-37 is more typical for this well.

In addition, the chloroform concentration in chloroform pumping well TW4-21 increased from 657 to 1,070 µg/L; the concentration in chloroform pumping well TW4-41 increased from 1,010

to 1,060 µg/L; the concentration in nitrate pumping well TW4-22 increased from 2,600 to 3,190 µg/L; and the concentration in nitrate pumping well TW4-24 decreased from 124 to approximately 89 µg/L, remaining just within the plume boundary this quarter. Nitrate pumping well TW4-25 remained non-detect. TW4-25, located north of TW4-21, bounds the chloroform plume to the north.

Chloroform at TW4-8 (which was non-detect from the first quarter of 2008 through the fourth quarter of 2013) increased from approximately 11 µg/L to approximately 15 µg/L, and remained outside the plume. TW4-8 is located immediately east of chloroform pumping well MW-4, where chloroform was detected at a concentration of 1,200 µg/L. Although the plume boundary remained between MW-4 and TW4-8 from the first quarter of 2005 through the fourth quarter of 2013, TW4-8 was re-incorporated into the plume between the first quarter of 2014 and the fourth quarter of 2019. Elevated chloroform at TW4-8 was bounded to the north by TW4-3 and TW4-38 (both non-detect), to the northeast by TW4-13 (non-detect), to the east by TW4-36 (non-detect), and to the southeast by TW4-14 (which has remained below 10 µg/L and has a concentration of 1.1 µg/L this quarter). Although previously elevated, TW4-8 has remained outside of and has bounded the plume since the beginning of 2020. Changes in the plume boundary near TW4-8 are expected to result from changes in pumping and reduced dilution resulting from cessation of water delivery to the northern wildlife ponds.

Chloroform at TW4-29 (located at the southeastern extremity of the plume, to the east of TW4-26 and to the south of TW4-27) increased from 398 µg/L to 591 µg/L; and chloroform at TW4-30, located immediately cross-gradient of TW4-29, decreased from 70.8 µg/L to 68.8 µg/L, bringing it just outside the plume for the first time since the third quarter of 2020. Chloroform at TW4-14 increased from non-detect to 1.1 µg/L and chloroform at TW4-27 increased from approximately 3.1 µg/L to 4.3 µg/L. Concentration trends at these wells are generally consistent with ongoing, but slow, downgradient migration of chloroform at these locations. For example, it took more than 51 quarters for detectable chloroform at TW4-4 to migrate approximately 400 feet downgradient to TW4-14; and it took more than 30 quarters for chloroform exceeding 70 µg/L at TW4-29 to migrate approximately 160 feet to TW4-30. In addition, although TW4-30 was previously downgradient of TW4-29, due to long-term changes in water levels in this area, TW4-30 is now generally cross-gradient of TW4-29.

Furthermore, as discussed in Section 4.1.1, increased concentrations at TW4-26 since the third quarter of 2016 are also consistent with continuing downgradient chloroform migration which is likely enhanced by the decay of the groundwater mound associated with the southern wildlife pond. Increased concentrations at TW4-26 widened the southeast extremity of the plume which historically was narrow compared to more upgradient locations.

Chloroform at TW4-29 is bounded to the north by TW4-27 (approximately 4.3 µg/L), to the southeast by TW4-35 (non-detect), to the south by TW4-34 (approximately 1.2 µg/L), and to the west-northwest by TW4-6 (approximately 3.9 µg/L) and TW4-23 (non-detect). As discussed above, TW4-30, with a concentration of 68.8 µg/L again bounds the plume to the east of TW4-29, as it did prior to the fourth quarter of 2020. TW4-43, installed in September, 2021, served as a new bounding well during the period that concentrations at TW4-30 exceeded 70 µg/L. Continued monitoring will determine whether TW4-30 acts as a bounding well in the future.

Chloroform at TW4-33 (located between TW4-4 and TW4-29) showed a decrease in concentration, from approximately 59 µg/L to approximately 54 µg/L. Although just outside the plume since the first quarter of 2021, concentrations have remained close to 70 µg/L, fluctuating between 53 and 69 µg/L. Chloroform at TW4-33 is bounded to the north by TW4-14 (approximately 1.1 µg/L), to the east by TW4-27 (approximately 4.3 µg/L), and to the west by TW4-6 (approximately 3.9 µg/L) and TW4-23 (non-detect).

The chloroform concentration in TW4-6 increased from approximately 2.1 µg/L to 3.9 µg/L. TW4-6 has remained outside the chloroform plume since the third quarter of 2018. Installed in the second quarter of 2000, TW4-6 was the most downgradient temporary perched well prior to installation of TW4-23 in 2007 and TW4-26 in the second quarter of 2010. TW4-6 remained outside the chloroform plume between installation in the second quarter of 2000 and the fourth quarter of 2008 likely 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. TW4-6 was subsequently incorporated into the plume twice: from the first quarter of 2009 through the third quarter of 2010; and from the third quarter of 2014 through the second quarter of 2018. Between initiation of pumping of TW4-4 in the first quarter of 2010 and the second quarter of 2014, concentrations at TW4-6 showed a net decrease from 1,000 µg/L to 10.3 µg/L.

The relatively slow rate of chloroform migration in the vicinity of TW4-6 in the past is demonstrated by comparing the rate of increase in chloroform at this well to the rate of increase in the nearest upgradient well TW4-4. Concentrations at TW4-4 increased from non-detect to more than 2,200 µg/L within only two quarters whereas 16 quarters were required for concentrations in TW4-6 to increase from non-detect to only 81 µg/L. This behavior is consistent with hydraulic tests performed at TW4-4, TW4-6, and TW4-26 during the third quarter of 2010 that indicate a nearly two orders of magnitude decrease in permeability south (downgradient) of TW4-4. Chloroform migration rates in the vicinities of wells TW4-26, TW4-29 and TW4-33 have been expected to be relatively slow due to upgradient pumping and relatively low permeability conditions. By analogy with the decreases in concentration at TW4-6 and TW4-26 that occurred after initiation of TW4-4 pumping, chloroform concentrations at both TW4-29 and TW4-33 have been expected to eventually trend downward; and recent data are consistent with this expectation.

Although changes in concentration have occurred in wells within the chloroform plume, the boundaries of the plume have not changed significantly since the last quarter, except for slight contraction near TW4-24; and slight expansion toward TW4-34. The slight contraction was due to the chloroform concentration decrease at TW4-24; and the slight expansion due to the increase in concentration at TW4-29, as well as the increase in concentration at TW4-34 from non-detect to 1.2 µg/L. As has been the case since the first quarter of 2020, due primarily to decreases in concentrations at TW4-6 and TW4-33, the kriging algorithm has 'pinched off' the southern extremity of the plume.

TW4-9 remained outside the plume from the second quarter of 2019 through the first quarter of 2021; was temporarily re-incorporated within the plume during the second quarter of 2021; and

remains outside the plume again this quarter. TW4-9 was incorporated into the plume from the first quarter of 2016 until the first quarter of 2019 due to increased concentrations attributable to reduced recharge (and dilution) from the northern wildlife ponds. Prior to the first quarter of 2016, however, TW4-9 was outside the plume except during the fourth quarter of 2014.

Nitrate pumping generally caused the western boundary of the northern portion of the chloroform plume to migrate to the west toward TW4-24. Since the first quarter of 2014, TW4-24 has been both inside and outside the plume and is just within the plume this quarter. TW4-24 likely remained primarily outside the plume since 2014 due to initiation of TW4-37 pumping in the second quarter of 2015 and reduced productivity at TW4-24 (since the third quarter of 2014). Subsequent to the first quarter of 2014, generally higher concentrations at TW4-6 and TW4-16 (both of which were within the chloroform plume in the past) caused the plume boundary to migrate to the southwest and temporarily re-incorporate both wells. This increase was likely related to reduced dilution from cessation of water delivery to the northern wildlife ponds and more westerly flow induced by nitrate pumping. In addition, concentrations at TW4-6 are expected to be influenced by reduced recharge at the southern wildlife pond and the decay of the associated groundwater mound.

TW4-6 has remained outside the plume since the third quarter of 2018 due to the general decrease in chloroform concentrations since the third quarter of 2015, while (as discussed in Section 4.1.5) TW4-16 has been both within and outside the plume. This quarter, although TW4-6 remains outside the plume, TW4-16 remains just within the plume.

The decreasing trend in chloroform concentrations at TW4-6 since the third quarter of 2015, and generally increased concentrations at TW4-26 since the third quarter of 2016, suggest that TW4-4 pumping has arrested chloroform migration between TW4-4 and TW4-6, and that increased chloroform at TW4-26 results from a remnant of the plume that continues to migrate south from TW4-6 to TW4-26. This behavior is consistent with the apparent 'pinching-off' of the southern extremity of the plume since the end of 2019. Regardless, pumping at TW4-41, located adjacent to TW4-4, and pumping at TW4-40, located just south (downgradient) of TW4-26, is expected to reduce or halt plume expansion to the south.

Although the nitrate pumping system may redistribute chloroform within the plume and cause changes in the chloroform plume boundaries, continued operation of the nitrate pumping system is expected to enhance capture associated with the chloroform pumping system. Furthermore, since the beginning of 2015, the addition of chloroform wells TW4-1, TW4-2, TW4-11, TW4-21, TW4-37, TW4-39, TW4-40 and TW4-41 is expected to have a beneficial impact. Generally reduced concentrations at TW4-6 (since the first quarter of 2015) and TW4-16 (since the fourth quarter of 2014) after previous increases are likely the result of initiation of TW4-1, TW4-2, and TW4-11 pumping during 2015. Maintaining reduced concentrations at TW4-6 is anticipated to result from continued pumping at TW4-41.

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

5.1 Introduction

As a part of the investigation of chloroform contamination at the Mill site, EFRI has been conducting a Long Term Pump Test on MW-4, TW4-19, MW-26, and TW4-20, and, since January 31, 2010, TW4-4. The purpose of the test is to serve as an interim action that will remove a significant amount of chloroform-contaminated water while gathering additional data on hydraulic properties in the area of investigation. TW4-20 collapsed in August of 2020 and was abandoned in October 2020.

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

Beginning on January 14, 2015, EFRI began long term pumping of TW4-1, TW4-2, and TW4-11 and began long term pumping of TW4-21 and TW4-37 on June 9, 2015. Beginning in December 2016 EFRI began long term pumping of TW4-39. Beginning in April 2018 EFRI began long term pumping of TW4-41. Beginning in May 2019 EFRI began long term pumping of TW4-40.

The following information documents the operational activities during the quarter.

5.2 Pump Test Data Collection

The long term pump test for MW-4 was started on April 14, 2003, followed by the start of pumping from TW4-19 on April 30, 2003, from MW-26 on August 8, 2003, from TW4-20 on August 4, 2005, from TW4-4 on January 31, 2010, and from TW4-22, TW4-24, and TW4-25 on January 26, 2013. Personnel from Hydro Geo Chem, Inc. were on site to conduct the first phase of the pump test and collect the initial two days of monitoring data for MW-4. EFRI personnel have gathered subsequent water level and pumping data.

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

Data collected during the quarter included the following:

- Measurement of water levels at MW-4, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, MW-26, TW4-21, TWN-2, TW4-22, TW4-24, TW4-25, TW4-37, TW4-39 TW4-40, and TW4-41 on a weekly basis, and at selected temporary wells and permanent monitoring wells on a monthly basis.
- Measurement of pumping history, including:

- pumping rates
- total pumped volume
- operational and non-operational periods.

- Periodic sampling of pumped water for chloroform and nitrate/nitrite analysis and other constituents.

5.3 Water Level Measurements

Beginning August 16, 2003, the frequency of water level measurements from MW-4, MW-26, and TW4-19 was reduced to weekly. From commencement of pumping, and regularly after March 1, 2010 for TW4-4, water levels in these wells have been measured weekly. From commencement of pumping, water levels in wells TW4-1, TW4-2, TW4-11, TW4-21, TW4-22, TW4-24, TW4-25, TW4-37, TW4-39, TW4-41, and TWN-2 have been measured weekly. Depth to groundwater in all other chloroform contaminant investigation wells is monitored monthly. Copies of the weekly Depth to Water monitoring sheets for MW-4, MW-26, TW4-1, TW4-2, TW4-11, TW4-19, TW4-21, TW4-4, TW4-22, TW4-24, TW4-25, TW4-37, TW4-39, TW4-40 (beginning May 2019), TW4-41 and TWN-2 and the monthly Depth to Water monitoring sheets for the chloroform contaminant investigation wells and the selected temporary wells and permanent monitoring wells are included under Tab C. Monthly depth to water measurements for the quarter are recorded in the Field Data Worksheets included under Tab C.

5.4 Pumping Rates and Volumes

Table G-2 summarizes the recovered mass of chloroform by well per quarter and historically since the inception of the chloroform recovery program for the active pumping wells. It is important to note that TWN-02 is a nitrate program well and is sampled only for nitrate and chloride as required by the nitrate program. Because TWN-02 is not sampled or analyzed for chloroform, the mass of chloroform recovered is not calculated.

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

Specific operational problems observed with the well or pumping equipment which occurred during the quarter are noted for each well below.

5.4.1 Power Outage

A power outage was noted on September 12, 2022, during routine daily inspections due to a downed power pole rendering pumps MW-4, MW-26, TW4-04, TW4-01, TW4-02, TW4-11, TW4-40 and TW4-41 temporarily inoperable. A verbal notification was provided to DWMRC on September 13, 2022 and a 5-Day written notice as required by the CAP was provided September 15, 2022. EFRI corrected the issue by replacing the power pole. On September 15, 2022, the wells were brought back online.

5.5 Mass Removed and Plume Residual Mass

Chloroform removal was estimated as of the first quarter 2007. Since that estimation, the mass removed by well for each quarter has been compiled in Table G-2, which shows the pounds of chloroform that have been removed to date. The mass of chloroform removed from the plume this quarter is approximately 12.3 lb., which is approximately 44% less than the approximately 21.8 lb. removed last quarter. The smaller rate of mass removal is attributable primarily to the reduced concentration at TW4-37.

The residual mass of chloroform within the plume is estimated as 850 lb. using the methodology described in Appendix A of the GCAP ("Chloroform Plume Mass Calculation Method"). This is approximately 274 lb. smaller than last quarter's estimate of 1,124 lb, primarily due to the decrease in concentration at TW4-37 to a more typical value. As discussed in Section 4.2.3, last quarter's concentration for TW4-37 is considered anomalous. The anomalously large concentration detected last quarter is inconsistent with the general decline in concentrations at TW4-37 since TW4-37 began pumping in mid-2015.

As per Part III.B.2 of the GCAP, electronic files used in calculating the mass estimate are provided with this report. Details of the procedure are provided in Tab L.

The residual mass is plotted in Figure L.1. Subsequent residual plume mass estimates will be calculated quarterly, added to the graph, and the trendline updated as per Part III.B.3 of the GCAP.

As discussed in the CACME Report, the calculated chloroform mass is larger since the cessation of water delivery to the two northern wildlife ponds in the first quarter of 2012. These ponds are located immediately upgradient of the chloroform plume. The increase in calculated mass results from increased plume area and increased average concentrations within the plume. The increases in both plume area and average concentrations are attributable to reduced dilution due to the reduction in chloroform-free wildlife pond seepage.

The general decrease in the residual mass estimates since the second quarter of 2016 suggests stabilization and decline. Although the residual mass estimates are generally larger since 2012, the rate of mass removed per quarter by pumping is also generally larger. Mass removal rates were particularly enhanced after the addition of 5 new pumping wells in 2015; and the subsequent addition of 3 additional pumping wells has helped maintain mass removal rates. Furthermore, although the pumping system is not designed to hydraulically capture the entire plume, the proportion of the mass of the plume under capture has historically been large. The proportion of the mass of the plume under capture during the fourth quarters of 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020 and 2021 ranged from approximately 84% to 99%. The approximate proportion of the mass of the plume under capture this quarter is 96 %, which is slightly smaller than last quarter's approximately 98%. The decrease is primarily attributable to the decrease in the proportion of plume mass associated with TW4-37.

5.6 Inspections

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

5.7 Conditions That May Affect Water Levels in Piezometers

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

6.0 CORRECTIVE ACTION REPORT

No corrective actions were necessary for the current reporting period.

6.1 Assessment of Previous Quarter's Corrective Actions

There were no corrective actions required during the previous quarters' monitoring period.

7.0 CURRENT COMPLIANCE STATUS

7.1 Long Term Chloroform Plume Control

The chloroform plume is currently entirely within the Mill property boundary and is bounded on all sides by wells having chloroform concentrations that are either non-detect or less than 70 µg/L (Tab J). The chloroform plume is bounded to the north by TW4-25 (non-detect); to the west and southwest by MW-28 (non-detect), MW-31 (non-detect), MW-32 (non-detect), TW4-6 (approximately 3.9 µg/L) and TW4-23 (non-detect); to the east by TW4-3 (non-detect), TW4-5 (approximately 13 µg/L), TW4-8 (approximately 15 µg/L), TW4-9 (nearly 11 µg/L), TW4-13 (non-detect), TW4-14 (approximately 1.1 µg/L), TW4-18 (nearly 61 µg/L), TW4-27 (approximately 4.3 µg/L), TW4-30 (approximately 69 µg/L), TW4-33 (approximately 54 µg/L), TW4-36 (non-detect) and TW4-38 (non-detect); to the south by TW4-34 (approximately 1.2 µg/L) and TW4-42 (non-detect); and to the southeast by TW4-35 (non-detect) and TW4-43 (non-detect).

As discussed above, the detection in well TW4-34 at a concentration of 1.2 µg/L, although below 70 µg/L, is the first detection of chloroform since the well was initially sampled in November of 2013. The possibility that this detection is due to cross-contamination will be determined by future sampling events.

In addition, chloroform is not detected at wells far to the south (cross- to downgradient) and southwest (cross-gradient) of the plume. MW-17 (non-detect) and MW-38 (non-detect) bound the plume to the far southwest (cross-gradient); and MW-22 (non-detect), MW-39 (non-detect) and MW-40 (non-detect) bound the plume far to the south (cross- to downgradient).

Because TW4-30 no longer bounded the plume immediately to the east due to increases in concentration that brought TW4-30 into the plume for the first time during the fourth quarter of 2020, new bounding well TW4-43 was installed approximately 200 feet to the east-southeast of TW4-30 during September, 2021. As indicated above, chloroform has not been detected at TW4-43; and, due to a decrease in chloroform at TW4-30 this quarter, TW4-30 is again outside the

plume. Subsequent data will determine whether or not TW4-30 remains outside the plume and can serve (as in the past) as a bounding well.

Data collected to date indicate there are sufficient chloroform monitoring and pumping wells to effectively define, control, and monitor the plume. In addition, site water level data indicate that perched groundwater flow to the east of TW4-30, between TW4-30 and the eastern site property boundary, is to the south-southwest; therefore, it is unlikely that any chloroform within this portion of the plume could ever migrate across the eastern property boundary. Furthermore, chloroform in the vicinity of TW4-30 is migrating relatively slowly; it took more than 30 quarters for chloroform exceeding 70 µg/L at TW4-29 to migrate approximately 160 feet to TW4-30. Due to long-term changes in water levels in this area, the former hydraulic gradient that was directed from TW4-29 toward TW4-30 no longer exists; consequently, chloroform is no longer expected to migrate from TW4-29 to TW4-30, consistent with the general (but slightly) decreasing trend in chloroform since the end of 2020 that has brought TW4-30 outside the plume this quarter. Finally, the groundwater flow direction in the immediate vicinity of TW4-30 is now south-southeasterly, generally toward TW4-35 and TW4-43, both non-detect for chloroform.

7.2 Well Construction, Maintenance and Operation

Part II of the GCAP specifies that EFRI must construct, maintain and operate the chloroform wells in accordance with the specifications delineated therein. The wells were maintained and operated as required. Additional details regarding any specific pumping well operations and maintenance issues noted during the quarter are discussed in Section 5.0 above.

7.3 Disposal of Extracted Groundwater

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

7.4 Compliance Well Performance

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

The compliance well chloroform concentrations were below the 70 ug/L except as noted in previous reports. The previously noted exceedances have been addressed in Plans and Time Schedules. There are no new exceedances in Q3 2022.

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

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

8.0 CONCLUSIONS AND RECOMMENDATIONS

The residual mass of chloroform within the plume is estimated as 850 lb. using the methodology

described in Appendix A of the GCAP ("Chloroform Plume Mass Calculation Method"). This is approximately 274 lb. less than last quarter's estimate of 1,124 lb. Since the third quarter of 2015, the residual mass estimate trend is downward; and the current quarter's estimate of 850 lb. is substantially lower than both the third quarter 2015 estimate of 1,712 lb., and the maximum of 2,261 lb. estimated for the second quarter of 2016.

The mass of chloroform removed from the plume this quarter by pumping, approximately 12.3 lb., is approximately 44 % smaller than the mass removed last quarter (approximately 21.8 lb.). The smaller mass removal is attributable primarily to the decreased concentration at pumping well TW4-37. As discussed in Section 4.2.3, the previous quarter's concentration for TW4-37 was the largest concentration ever measured at this well and was considered anomalous. The current quarter's concentration (11,600 µg/L) is more typical for this well.

The chloroform plume is currently entirely within the Mill property boundary and is bounded on all sides by wells having chloroform concentrations that are either non-detect or less than 70 µg/L (Tab J). The chloroform plume is bounded to the north by TW4-25 (non-detect); to the west and southwest by MW-28 (non-detect), MW-31 (non-detect), MW-32 (non-detect), TW4-6 (approximately 3.9 µg/L) and TW4-23 (non-detect); to the east by TW4-3 (non-detect), TW4-5 (approximately 13 µg/L), TW4-8 (approximately 15 µg/L), TW4-9 (nearly 11 µg/L), TW4-13 (non-detect), TW4-14 (approximately 1.1 µg/L), TW4-18 (nearly 61 µg/L), TW4-27 (approximately 4.3 µg/L), TW4-30 (approximately 69 µg/L),TW4-33 (approximately 54 µg/L); TW4-36 (non-detect) and TW4-38 (non-detect); to the south by TW4-34 (approximately 1.2 µg/L) and TW4-42 (non-detect); and to the southeast by TW4-35 (non-detect) and TW4-43 (non-detect).

Because TW4-30 no longer bounded the plume immediately to the east due to increases in concentration that brought TW4-30 into the plume for the first time during the fourth quarter of 2020, new bounding well TW4-43 was installed approximately 200 feet to the east-southeast of TW4-30 during September, 2021. As indicated above, chloroform has not been detected at TW4-43. However, due to a decrease in concentration, TW4-30 is again outside the plume for the first time since the third quarter of 2020, and again bounds the plume to the east. Subsequent data will determine whether or not TW4-30 remains outside the plume and can serve (as in the past) as a bounding well in the future.

Data collected to date indicate there are sufficient chloroform monitoring and pumping wells to effectively define, control, and monitor the plume. In addition, site water level data indicate that perched groundwater flow to the east of TW4-30, between TW4-30 and the eastern site property boundary, is to the south-southwest; therefore, it is unlikely that any chloroform within this portion of the plume could ever migrate across the eastern property boundary. Furthermore, chloroform in the vicinity of TW4-30 is migrating relatively slowly; it took more than 30 quarters for chloroform exceeding 70 µg/L at TW4-29 to migrate approximately 160 feet to TW4-30. Due to long-term changes in water levels in this area, the former hydraulic gradient that was directed from TW4-29 toward TW4-30 no longer exists; consequently, chloroform is no longer expected to migrate from TW4-29 to TW4-30. Finally, the groundwater flow direction in the immediate vicinity of TW4-30 is now south-southeasterly, generally toward TW4-35 and TW4-43, both non-detect for chloroform.

The water level contour maps for the third quarter, 2022 indicate effective capture of water containing high chloroform concentrations over most of the chloroform plume. Capture in the southeastern portion of the plume (vicinity of MW-4) was enhanced by start-up of chloroform pumping wells TW4-1, TW4-2, and TW4-11 during the first quarter of 2015. Capture in the northwestern portion of the plume was enhanced by start-up of chloroform pumping wells TW4-21 and TW4-37 during the second quarter of 2015; and of TW4-39 during the fourth quarter of 2016. Capture in the southernmost portion of the plume was enhanced by start-up of pumping at TW4-41 during the second quarter of 2018 and of TW4-40 during the second quarter of 2019. All pumping wells added since the beginning of 2015 have enhanced the effectiveness of chloroform mass removal.

Although pumping began in the first quarter of 2010, a well-defined capture zone was not clearly evident at chloroform pumping well TW4-4 until the third quarter of 2018. Increased drawdowns in this area since the second quarter of 2018, and development of a definable capture zone, is attributable to pumping at adjacent well TW4-41.

The capture zone associated with TW4-4 was likely obscured prior to the second quarter of 2018 by the historically relatively low water level at adjacent well TW4-14 and the two orders of magnitude decrease in permeability south of TW4-4. However, as noted in previous reports, between the first quarter of 2010 and the second quarter of 2014, decreases in chloroform concentrations and the rate of water level rise at TW4-6 (located downgradient of TW4-4) likely resulted from TW4-4 pumping.

Cones of depression associated with the nitrate pumping wells became evident as of the fourth quarter of 2013, and capture associated with the nitrate pumping is expected to continue to develop. Overall, the apparent capture area of the combined chloroform and nitrate pumping systems is larger than last quarter, with capture increasing within the northern half of the combined pumping system due primarily to increased drawdowns at TW4-22 and TWN-2.

'Background' flow through the chloroform plume was calculated as approximately 3.4 gpm (See HGC, March 31, 2016: Corrective Action Comprehensive Monitoring Evaluation [CACME] Report, White Mesa Uranium Mill, Near Blanding, Utah). Pumping from wells within and immediately adjacent to the chloroform plume during the current quarter (from wells MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-21, TW4-22, TW4-24, TW4-37, TW4-39, TW4-40 and TW4-41) is approximately 4.4 gpm. The combined pumping rate of 4.4 gpm exceeds the calculated background flow by 1 gpm or 29%, and is considered adequate at the present time.

Chloroform concentrations at many of the wells with detected chloroform were within 20% of the values reported during the previous quarter, suggesting that variations are within the range typical for sampling and analytical error. Wells TW4-5, TW4-6, TW4-7, TW4-8, TW4-10, TW4-19, TW4-21, TW4-22, TW4-24, TW4-27 TW4-29 and TW4-37 had changes in concentration greater than 20%. Of these, TW4-19, TW4-21, and TW4-37 are chloroform pumping wells; and TW4-22 and TW4-24 are nitrate pumping wells; TW4-5 is located outside and near the plume adjacent to chloroform pumping well TW4-39; TW4-6 is located outside and near the plume

adjacent to chloroform pumping wells TW4-4 and TW4-41; TW4-7 and TW4-8 are located adjacent to chloroform pumping well MW-4; TW4-10 is located near chloroform pumping wells MW-26 and TW4-39; TW4-27 is located just outside the southeastern extremity of the plume; and TW4-29 is located in the southeastern extremity of the plume just within the plume boundary. Fluctuations in concentrations at both chloroform and nitrate pumping wells and wells adjacent to pumping wells likely result in part from changes in pumping. In addition, fluctuations in concentrations are expected at wells located near the plume margins (such as TW4-6, TW4-8, TW4-24 and TW4-29). Furthermore, changes in concentrations at chloroform wells are expected to result from continued operation of the nitrate pumping system, as the capture associated with nitrate pumping expands and flow directions change locally.

Chloroform pumping wells MW-4 (1,200 µg/L); TW4-4 (1,040 µg/L); TW4-11 (3,020 µg/L); TW4-19 (4,750 µg/L); TW4-37 (11,600 µg/L); TW4-41 (1,060 µg/L); and nitrate pumping well TW4-22 (3,190 µg/L) had the highest detected chloroform concentrations. Since last quarter, the chloroform concentrations in MW-4 increased from 1,010 to 1,200 µg/L; TW4-4 decreased from 1,110 µg/L to 1,040 µg/L; TW4-11 increased from 2,550 to 3,020 µg/L; TW4-19 increased from 2,540 µg/L to 4,750 µg/L; and TW4-37 decreased from 46,800 to 11,600 µg/L. As discussed above, compared to last quarter's concentration, which appeared to be anomalous, the current quarter's concentration for TW4-37 is more typical for this well.

In addition, the chloroform concentration in chloroform pumping well TW4-21 increased from 657 to 1,070 µg/L; the concentration in chloroform pumping well TW4-41 increased from 1,010 to 1,060 µg/L; the concentration in nitrate pumping well TW4-22 increased from 2,600 to 3,190 µg/L; and the concentration in nitrate pumping well TW4-24 decreased from 124 to approximately 89 µg/L, remaining just within the plume boundary this quarter. Nitrate pumping well TW4-25 remained non-detect. TW4-25, located north of TW4-21, bounds the chloroform plume to the north.

Chloroform at TW4-8 (which was non-detect from the first quarter of 2008 through the fourth quarter of 2013) increased from approximately 11 µg/L to 15 µg/L and remained outside the plume. TW4-8 is located immediately east of chloroform pumping well MW-4, where chloroform was detected at a concentration of 1,200 µg/L. Although the plume boundary remained between MW-4 and TW4-8 from the first quarter of 2005 through the fourth quarter of 2013, TW4-8 was re-incorporated into the plume between the first quarter of 2014 and the fourth quarter of 2019. Elevated chloroform at TW4-8 was bounded to the north by TW4-3 and TW4-38 (both non-detect), to the northeast by TW4-13 (non-detect), to the east by TW4-36 (non-detect), and to the southeast by TW4-14 (which has remained below 10 µg/L and has a concentration of 1.1 µg/L this quarter). Although previously elevated, TW4-8 has remained outside of and has bounded the plume since the end of 2019. Changes in the plume boundary near TW4-8 are expected to result from changes in pumping and reduced dilution resulting from cessation of water delivery to the northern wildlife ponds.

Detectable chloroform concentrations at TW4-14 (between the fourth quarter of 2014 and the first quarter of 2021; and during the current quarter) and at TW4-27 (since the third quarter of 2015) are consistent with continued, but slow, downgradient migration of chloroform from the distal end of the plume (near TW4-29 and TW4-33) into the low permeability materials

penetrated by TW4-14 and TW4-27. Chloroform at TW4-14 increased from non-detect to 1.1 µg/L; and chloroform at TW4-27 increased from approximately 3.1 µg/L to 4.3 µg/L. Pumping at TW4-41 is expected to reduce or prevent future migration of chloroform toward these wells.

Concentration trends at TW4-29 (located at the southeastern extremity of the plume, to the east of TW4-26 and to the south of TW4-27); and at TW4-30 (located immediately east of TW4-29), are also generally consistent with ongoing, but slow, downgradient migration of chloroform. Although previously downgradient of TW4-29, due to long-term changes in water levels in this area, TW4-30 is now generally cross-gradient of TW4-29. Chloroform at TW4-29 increased from 398 µg/L to 591 µg/L; and chloroform at TW4-30 decreased from approximately 71 µg/L to 69 µg/L, and is again outside the plume for the first time since the third quarter of 2020. As discussed above, slow downgradient migration is consistent with the more than 30 quarters needed for chloroform exceeding 70 µg/L at TW4-29 to migrate approximately 160 feet to TW4-30.

Chloroform at TW4-29 is bounded to the north by TW4-27 (approximately 4.3 µg/L), to the southeast by TW4-35 (non-detect), to the south by TW4-34 (approximately 1.2 µg/L), and to the west-northwest by TW4-6 (approximately 3.9 µg/L) and TW4-23 (non-detect). As discussed above, TW4-30 no longer bounded the plume immediately to the east and TW4-43 acts as a new bounding well in this area; however, due to the concentration decrease at TW4-30 this quarter, TW4-30 again bounds the plume to the east. In addition, generally increased concentrations at TW4-26 since the third quarter of 2016 are consistent with continuing downgradient chloroform migration, which is likely enhanced by the decay of the groundwater mound associated with the southern wildlife pond.

Chloroform at TW4-33 (located between TW4-4 and TW4-29), which has remained below 70 µg/L since the first quarter of 2021, showed a decrease in concentration, from approximately 59 µg/L to approximately 54 µg/L. Chloroform at TW4-33 is bounded to the north by TW4-14 (approximately 1.1 µg/L), to the east by TW4-27 (approximately 4.3 µg/L), and to the west by TW4-6 (approximately 3.9 µg/L) and TW4-23 (non-detect).

Although changes in concentration have occurred in wells within the chloroform plume, the boundaries of the plume have not changed significantly since the last quarter, except for slight contraction near TW4-24; and slight expansion toward TW4-34. The slight contraction was due to the chloroform concentration decrease at TW4-24; and the slight expansion due to the increase in concentration at TW4-29, as well as the increase in concentration at TW4-34 from non-detect to 1.2 µg/L As has been the case since the first quarter of 2020, due primarily to decreases in concentrations at TW4-6 and TW4-33, the kriging algorithm has 'pinched off' the southern extremity of the plume.

TW4-9 remained outside the plume from the second quarter of 2019 through the first quarter of 2021; was temporarily re-incorporated within the plume during the second quarter of 2021; and remains outside the plume again this quarter. TW4-9 was incorporated into the plume from the first quarter of 2016 until the first quarter of 2019 due to increased concentrations attributable to reduced recharge (and dilution) from the northern wildlife ponds. However, except for the fourth quarter of 2014, TW4-9 was outside the plume prior to the first quarter of 2016. TW4-38 was

installed to the east-southeast of TW4-9 to serve as a bounding well when concentrations at TW4-9 exceeded 70 µg/L.

Nitrate pumping generally caused the western boundary of the northern portion of the chloroform plume to migrate to the west toward TW4-24. Since the first quarter of 2014, TW4-24 has been both inside and outside the plume and is again just within the plume this quarter. TW4-24 likely remained primarily outside the plume since 2014 due to initiation of TW4-37 pumping in the second quarter of 2015 and reduced productivity at TW4-24 (since the third quarter of 2014). Subsequent to the first quarter of 2014, generally increased concentrations at TW4-6 and TW4-16 (both of which were within the chloroform plume in the past), caused the plume boundary to migrate to the southwest and temporarily re-incorporate both wells. Increased concentrations at these wells subsequent to the first quarter of 2014 are likely related to reduced dilution from cessation of water delivery to the northern wildlife ponds and more westerly flow induced by nitrate pumping. In addition, concentrations at TW4-6 are expected to be influenced by reduced recharge at the southern wildlife pond and the decay of the associated groundwater mound.

Since 2014, TW4-16 has been both within and outside the plume; whereas a decreasing trend in chloroform concentrations at TW4-6 (since the third quarter of 2015) has once again taken TW4-6 outside the plume. This quarter, TW4-16 and TW4-6 remain within and outside the plume, respectively. Although chloroform at TW4-16 has been above and below 70 µg/L since 2014, and was detected at 138 µg/L this quarter, concentrations have generally increased since 2018, likely in response to reduced dilution.

The decreasing trend in chloroform concentration at TW4-6 since the third quarter of 2015, and generally increased concentrations at TW4-26 since the third quarter of 2016, suggest that TW4-4 pumping has arrested chloroform migration between TW4-4 and TW4-6, and that the increased chloroform at TW4-26 results from a remnant of the plume that continues to migrate south from TW4-6 to TW4-26. Pumping at adjacent well TW4-41 since the second quarter of 2018 has likely enhanced the decline in TW4-6 concentrations to less than 70 µg/L.

Although the nitrate pumping system may redistribute chloroform within the plume and cause changes in the chloroform plume boundaries, continued operation of the nitrate pumping system is expected to enhance capture associated with the chloroform pumping system. Furthermore, the addition of chloroform pumping wells TW4-1, TW4-2, TW4-11, TW4-21, TW4-37, TW4-39, TW4-40 and TW4-41 since the beginning of 2015 is expected to have a beneficial impact. Generally reduced concentrations at TW4-6 (since the third quarter of 2015) and TW4-16 (since the fourth quarter of 2014) after previous increases are likely the result of initiation of TW4-1, TW4-2, and TW4-11 pumping.

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

Continued operation of chloroform pumping well TW4-4, augmented by pumping at adjacent well TW4-41, is recommended to improve capture of chloroform to the extent practical in the southern portion of the plume. The overall decrease in chloroform concentrations at TW4-6 from 1,000 µg/L in the first quarter of 2010 to 10.3 µg/L in the second quarter of 2014 is likely related to pumping at TW4-4. The decrease in the long-term rate of water level rise at TW4-6 once TW4-4 pumping began, which suggests that TW4-6 is within the hydraulic influence of TW4-4, is also consistent with the decrease in chloroform concentrations at TW4-6 between the first quarter of 2010 and the second quarter of 2014. The decreasing trend in water levels beginning in 2014 and, as noted above, the generally decreasing chloroform concentrations since the first quarter of 2015 at TW4-6 are also attributable in part to TW4-4 (augmented by TW4-41) pumping.

Continued operation of chloroform pumping wells TW4-1, TW4-2, TW4-11, TW4-21, TW4-37, TW4-39, TW4-40 and TW4-41 is also recommended because pumping these wells has increased overall capture and improved chloroform mass removal. In particular, continued pumping of TW4-37 (in conjunction with TW4-19) compensates for the loss of TW4-20; and pumping at TW4-40 has expanded capture within the southern extremity of the plume.

Furthermore, because of the influence of TW4-4 pumping (augmented by TW4-41 pumping since the second quarter of 2018), and by analogy with the concentration decreases at TW4-6 and TW4-26 that occurred after initiation of TW4-4 pumping, chloroform concentrations at TW4-29 and TW4-33 were expected to eventually trend downward. Since the third quarter of 2014, TW4-33 concentrations that have been relatively stable to decreasing; and TW4-29 concentrations that generally increased before becoming relatively stable; appear consistent with these expectations. As discussed above. trends at these wells suggest that chloroform migration has been arrested at TW4-33 by TW4-4 (and TW4-41) pumping and that previously increasing chloroform at downgradient well TW4-29 resulted from a remnant of the plume that migrated past TW4-33 generally toward TW4-30, which until recently was downgradient of TW4-29, and which until the fourth quarter of 2020 bounded the plume to the east. As discussed above, due to the decrease in concentration at TW4-30 this quarter, TW4-30 again bounds the plume to the east; and continued monitoring will determine whether it can function (as in the past) as a bounding well in the future.

The influence of TW4-4 pumping at the distal end of the plume is consistent with decreasing water levels at both TW4-29 and TW4-33. Pumping at adjacent well TW4-41 is likely to help maintain or enhance these decreasing trends in water levels and to augment the expected eventual reductions in concentrations in the distal end of the plume. Continued evaluation of trends at TW4-29 and TW4-33 will be provided in subsequent quarters.

EFRI and its consultants have raised the issues and potential effects associated with cessation of water delivery to the northern wildlife ponds in March, 2012 during discussions with DWMRC in March 2012 and May 2013. While past recharge from the ponds has helped limit many constituent concentrations within the chloroform and nitrate plumes by dilution, the associated groundwater mounding has increased hydraulic gradients and contributed to plume migration. Since use of the northern wildlife ponds ceased in March 2012, the reduction in recharge and decay of the associated groundwater mound has caused the expected decrease in hydraulic

gradients and the increases in constituent concentrations within the chloroform plume. Generally increased chloroform concentrations at TW4-6 (between 2013 and 2020); and at TW4-8, TW4-9 and TW4-16 (since 2013), are likely related in part to reduced dilution (although concentrations at TW4-6 and TW4-8 have been trending downward since the first quarter of 2015; and concentrations at TW4-9 have been trending generally downward since the first quarter of 2018). As discussed above, increased concentrations at TW4-26 since the third quarter of 2016 that are consistent with continuing downgradient chloroform migration are also likely enhanced by the decay of the groundwater mound associated with the southern wildlife pond.

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

9.0 ELECTRONIC DATA FILES AND FORMAT

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

10.0 SIGNATURE AND CERTIFICATION

This document was prepared by Energy Fuels Resources (USA) Inc.

Energy Fuels Resources (USA) Inc.

By:

Scott A. Bakken
Vice President, Regulatory Affairs

11/18/22
Date

Certification:

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

Scott A. Bakken
Vice President, Regulatory Affairs
Energy Fuels Resources (USA) Inc.

Tables

Table 1: Summary of Well Sampling for the Period

Well	Sample Date	Date of Lab Report
MW-04	8/30/2022	9/22/2022
TW4-01	8/30/2022	9/22/2022
TW4-02	8/30/2022	9/22/2022
TW4-03	9/13/2022	9/29/2022
TW4-03R	9/12/2022	9/29/2022
TW4-04	8/30/2022	9/22/2022
TW4-05	9/14/2022	9/29/2022
TW4-06	9/14/2022	9/29/2022
TW4-07	9/15/2022	9/29/2022
TW4-08	9/14/2022	9/29/2022
TW4-09	9/14/2022	9/29/2022
TW4-10	9/15/2022	9/29/2022
TW4-11	8/30/2022	9/22/2022
TW4-12	9/13/2022	9/29/2022
TW4-13	9/13/2022	9/29/2022
TW4-14	9/14/2022	9/29/2022
MW-26	8/30/2022	9/22/2022
TW4-16	9/15/2022	9/29/2022
TW4-16R	9/14/2022	9/29/2022
MW-32	9/15/2022	9/29/2022
TW4-18	9/14/2022	9/29/2022
TW4-19	8/30/2022	9/22/2022
TW4-21	8/30/2022	9/22/2022
TW4-22	8/30/2022	9/22/2022
TW4-23	9/14/2022	9/29/2022
TW4-24	8/30/2022	9/22/2022
TW4-25	8/30/2022	9/22/2022
TW4-26	9/15/2022	9/29/2022
TW4-27	9/14/2022	9/29/2022
TW4-28	9/13/2022	9/29/2022
TW4-29	9/15/2022	9/29/2022
TW4-30	9/14/2022	9/29/2022
TW4-31	9/13/2022	9/29/2022
TW4-32	9/13/2022	9/29/2022
TW4-33	9/14/2022	9/29/2022
TW4-34	9/14/2022	9/29/2022
TW4-35	9/14/2022	9/29/2022
TW4-36	9/13/2022	9/29/2022
TW4-37	8/30/2022	9/22/2022
TW4-38	9/14/2022	9/29/2022
TW4-39	8/30/2022	9/22/2022
TW4-40	8/30/2022	9/22/2022
TW4-41	8/30/2022	9/22/2022
TW4-42	9/13/2022	9/29/2022
TW4-43	9/13/2022	9/29/2022
TW4-60	8/30/2022	9/22/2022
TW4-65	9/13/2022	9/29/2022
TW4-70	9/14/2022	9/29/2022
TW4-75	9/15/2022	9/29/2022

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

Date in parantheses is the date the analytical data package was resubmitted by the laboratory. The package was resubmitted to correct an error.

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

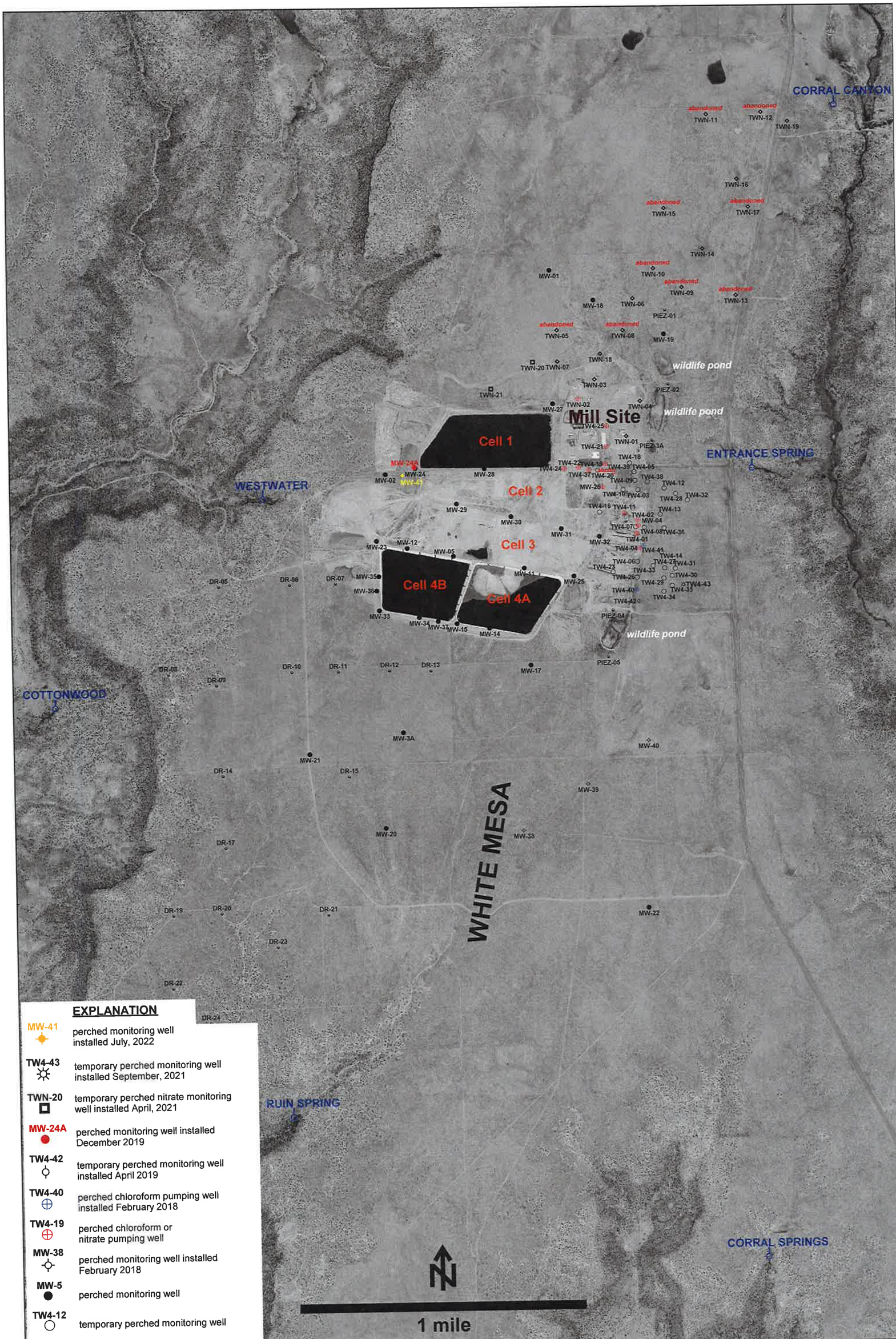
TW4-60 is a DI Field Blank, TW4-65 is a duplicate of TW4-42, and TW4-70 is a duplicate of TW4-38 and TW4-75 is a duplicate of TW4-18.

Highlighted wells are continuously pumped.

INDEX OF TABS

Tab A

Site Plan and Perched Well Locations White Mesa Site



EXPLANATION

- **MW-41** — perched monitoring well installed July, 2022
- **TW4-43** — temporary perched monitoring well installed September, 2021
- **TWN-20** — temporary perched nitrate monitoring well installed April, 2021
- **MW-24A** — perched monitoring well installed December 2019
- **TW4-42** — temporary perched monitoring well installed April 2019
- **TW4-40** — perched chloroform pumping well installed February 2018
- **TW4-19** — perched chloroform or nitrate pumping well
- **MW-38** — perched monitoring well installed February 2018
- **MW-5** — perched monitoring well
- **TW4-12** — temporary perched monitoring well
- **TWN-7** — temporary perched nitrate monitoring well
- **PIEZ-1** — perched piezometer
- **RUIN SPRING** — seep or spring

HYDRO GEO CHEM, INC.

WHITE MESA SITE PLAN SHOWING LOCATIONS OF PERCHED WELLS AND PIEZOMETERS

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/may22/Uwelloc0922.srf	A-1

Tab B

Order of Sampling and Field Data Worksheets

Order of Contamination for 3rd Quarter 2022 Chloroform Purging Event

Well	Sample time	Chloroform Levels	Rinsate date/time	Water level	Well Depth	
TW4-03	9/13/22 0710	ND			141	TW4-03R_09122022 1100
TW4-42	9/13/22 0720	ND			86	
TW4-12	9/13/22 0730	ND			101.5	
TW4-28	9/13/22 0738	ND			107	
TW4-32	9/13/22 0745	ND			115.1	
TW4-13	9/13/22 0757	ND			102.5	
TW4-36	9/13/22 0805	ND			99	
TW4-31	9/13/22 0811	ND			106	
TW4-43	9/13/22 0818	ND			97.9	
TW4-34	9/14/22 0811	ND			97.2	
TW4-35	9/14/22 0819	ND			87.5	
TW4-23	9/14/22 0827	ND			114	
TW4-38	9/14/22 0835	ND			112.75	
TW4-25	8/30/22 0715	ND			134.8	Cont. Pumping
MW-32	9/15/22 1000	ND			130.6	Bladder pump
TW4-14	9/14/22 0844	1			93	
TW4-06	9/14/22 0853	2.1			97.5	
TW4-27	9/14/22 0902	3.1			96	
TW4-09	9/14/22 0910	9.8			120	
TW4-05	9/14/22 0921	10.3			120	
TW4-08	9/14/22 0928	10.9			125	
TW4-33	9/14/22 0936	58.7			87.9	
TW4-18	9/14/22 0950	62.9			137.5	
TW4-30	9/14/22 1000	70.8			92.5	
TW4-16	9/15/22 0823	120			146.3	TW4-16R_09142022 1025
TW4-24	8/30/22 0725	124			112.5	Cont. Pumping
TW4-40	8/30/22 0912	323			86	Cont. Pumping
TW4-10	9/15/22 0830	342			111	
TW4-29	9/15/22 0842	398			93.5	
TW4-07	9/15/22 0854	447			120	
MW-26	8/30/22 0800	611			122.5	Cont. Pumping
TW4-21	8/30/22 0705	657			121	Cont. Pumping
TW4-26	9/15/22 0904	790			86	
TW4-02	8/30/22 0815	892			120	Cont. Pumping
TW4-01	8/30/22 0832	914			110	Cont. Pumping
TW4-39	8/30/22 0750	982			120	Cont. Pumping
TW4-41	8/30/22 0852	1010			97.75	Cont. Pumping
MW-04	8/30/22 0825	1010			124	Cont. Pumping
TW4-04	8/30/22 0900	1110			112	Cont. Pumping
TW4-19	8/30/22 0925	2540			125	Cont. Pumping
TW4-11	8/30/22 0807	2550			100	Cont. Pumping
TW4-22	8/30/22 0735	2600			113.5	Cont. Pumping
TW4-37	8/30/22 0742	46800			112	Cont. Pumping

TW4-60	D.I. Blank	8/30/22 0945
TW4-65	Duplicate	9/13/22 0745
TW4-70	Duplicate	9/14/22 0910
TW4-75	Duplicate	9/15/22 0842

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-04
Field Sample ID	MW-04_08302022
Purge Date & Time	8/30/2022 8:24
Sample Date & Time	8/30/2022 8:25

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	15.01
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	21
Previous Well Sampled	TW4-02

Well Depth (ft)	123.60
Well Casing Diameter (in)	3
Depth to Water Before Purging (ft)	82.68

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
8/30/2022 8:25		1912	6.94	15.53	213	0	25.0	

Volume of water purged ()	
Final Depth to Water (feet)	84.90

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	4.0
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:
Arrived on site at 0820. Samples collected at 0825. Water was clear. Left site at 0827.

Signature of Field Technician

Jarrett Holliday

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-01
Field Sample ID	TW4-01_08302022
Purge Date & Time	8/30/2022 8:31
Sample Date & Time	8/30/2022 8:32

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	4.42
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	21
Previous Well Sampled	MW-04

Well Depth (ft)	111.30
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	104.52

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
8/30/2022 8:32		2306	6.95	17.53	230	0	80.0	

Volume of water purged ()	
Final Depth to Water (feet)	109.22

Name of Certified Analytical Laboratory
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Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	12.5
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:
Arrived on site at 0827. Samples collected at 0832. Water was clear. Left site at 0834.

Signature of Field Technician

Jarrett Holliday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-02
Field Sample ID	TW4-02_08302022
Purge Date & Time	8/30/2022 8:14
Sample Date & Time	8/30/2022 8:15

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	14.52
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	21
Previous Well Sampled	TW4-11

Well Depth (ft)	120.90
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	98.66

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
8/30/2022 8:15		3950	6.87	16.30	241	0	84.0	

Volume of water purged ()	
Final Depth to Water (feet)	116.95

Name of Certified Analytical Laboratory
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Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	16.0
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:
Arrived on site at 0811. Samples collected at 0815. Water was clear. Left site at 0817.

Signature of Field Technician

Dennis Holliday

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-03
Field Sample ID	TW4-03_09132022
Purge Date & Time	9/12/2022 11:48
Sample Date & Time	9/13/2022 7:10

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	48.85
Calculated Casing Volumes Purge Duration (min)	8.88
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Cloudy
External Ambient Temperature (C)	25
Previous Well Sampled	TW4-03R

Well Depth (ft)	140.30
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	65.48

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/12/2022 11:54	69.66	1898	6.53	15.15	410	1.9	79.0	
9/13/2022 7:10		1870	6.50	16.50				Before
9/13/2022 7:11		1879	6.50	16.43				After

Volume of water purged (gals)	69.66

Final Depth to Water (feet)	137.93

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	6.33
Number of casing Volumes	1.42
Volume, if well evacuated to dryness (gals)	69.66

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1143. Purge began at 1148. Purged well for a total of 6 minutes and 20 seconds. Purged well dry. Water was clear. Purge ended at 1154. Left site at 1156.
Arrived on site at 0705. Depth to water was 65.55. Samples bailed and collected at 0710. Left site at 0712.

Signature of Field Technician

Darren Holliday

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-03R
Field Sample ID	TW4-03R_09122022
Purge Date & Time	
Sample Date & Time	9/12/2022 11:00

Sampling Program	
Sampling Event	2022 Q3 Chloroform
Sampler	TH/DL

Purging Equipment	
Pump Type	
Purging Method	
Casing Volume ()	
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	
pH Buffer 4.0	
Specific Conductance ()	

Weather Conditions	
External Ambient Temperature ()	
Previous Well Sampled	

Well Depth (ft)	
Well Casing Diameter ()	
Depth to Water Before Purging (ft)	

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/12/2022 10:59	133.00	0.9	5.82	23.20	435	0	43.0	

Volume of water purged ()	
Final Depth to Water (feet)	

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) ()	
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Signature of Field Technician

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-04
Field Sample ID	TW4-04_08302022
Purge Date & Time	8/30/2022 8:59
Sample Date & Time	8/30/2022 9:00

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform
Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	20.64
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	21
Previous Well Sampled	TW4-41

Well Depth (ft)	114.50
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	82.88

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
8/30/2022 9:00		2420	7.11	17.30	251	0.4	100.1	

Volume of water purged ()	
Final Depth to Water (feet)	106.32

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	16.0
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:
Arrived on site at 0857. Samples collected at 0900. Water was clear. Left site at 0903.

Signature of Field Technician

White Mesa Mill

Field Data Worksheet For Groundwater

Location ID	TW4-05
Field Sample ID	TW4-05_09142022
Purge Date & Time	9/13/2022 13:01
Sample Date & Time	9/14/2022 9:21

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	32.11
Calculated Casing Volumes Purge Duration (min)	5.83
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Cloudy
External Ambient Temperature (C)	22
Previous Well Sampled	TW4-09

Well Depth (ft)	121.85
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	72.67

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/13/2022 13:05	44.00	1658	6.37	15.63	576	3.8	64.0	
9/13/2022 13:06	55.00	1633	6.40	15.60	565	3.5	65.0	
9/13/2022 13:07	66.00	1614	6.43	15.60	558	3.7	65.0	
9/13/2022 13:08	77.00	1597	6.45	15.60	551	3.8	64.0	

Volume of water purged (gals)	77.00

Final Depth to Water (feet)	74.14

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	7.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1257. Purge began at 1301. Purged well for a total of 7 minutes. Purge ended at 1308. Water was mostly clear. Left site at 1311.
Arrived on site at 0917. Depth to water was 72.72. Samples bailed and collected at 0921. Left site at 0922.

Signature of Field Technician

Dunree Holliday

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-06
Field Sample ID	TW4-06_09142022
Purge Date & Time	9/13/2022 11:32
Sample Date & Time	9/14/2022 8:53

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	12.83
Calculated Casing Volumes Purge Duration (min)	2.33
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Cloudy
External Ambient Temperature (C)	21
Previous Well Sampled	TW4-14

Well Depth (ft)	99.60
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	79.94

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen	Before/After
9/13/2022 11:33	13.75	3921	6.30	15.75	478	43.0	6.0	
9/14/2022 8:53		3977	6.40	14.80				Before
9/14/2022 8:54		3978	6.39	14.77				After

Volume of water purged (gals)	13.75

Final Depth to Water (feet)	96.98

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	1.25
Number of casing Volumes	1.07
Volume, if well evacuated to dryness (gals)	13.75

Name of Certified Analytical Laboratory
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Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1128. Purge began at 1132. Purged well for a total of 1 minute and 15 seconds. Purged well dry. Purge ended at 1133. Water was a little murky.
Left site at 1136. Arrived on site at 0849. Depth to water was 80.25. Samples bailed and collected at 0853. Left site at 0855.

Signature of Field Technician

Darren Holliday

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-07
Field Sample ID	TW4-07_09152022
Purge Date & Time	9/14/2022 12:50
Sample Date & Time	9/15/2022 8:54

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	27.87
Calculated Casing Volumes Purge Duration (min)	5.06
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Cloudy
External Ambient Temperature (C)	20
Previous Well Sampled	TW4-29

Well Depth (ft)	121.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	78.31

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/14/2022 12:55	58.66	1700	6.73	15.17	377	20.0	47.0	
9/15/2022 8:54		1330	6.96	15.02				Before
9/15/2022 8:55		1337	6.96	15.02				After

Volume of water purged (gals)	58.66

Final Depth to Water (feet)	118.71

Name of Certified Analytical Laboratory
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Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	5.33
Number of casing Volumes	2.00
Volume, if well evacuated to dryness (gals)	58.66

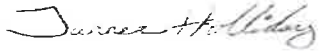
Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1246. Purge began at 1250. Purged well for a total of 5 minutes and 20 seconds. Purged well dry. Purge ended at 1255. Water was clear. Left site at 1259.Arrived on site at 0850. Depth to water was 79.48. Samples bailed and collected at 0854. Left site at 0856.

Signature of Field Technician



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-08
Field Sample ID	TW4-08_09142022
Purge Date & Time	9/13/2022 13:31
Sample Date & Time	9/14/2022 9:28

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	27.03
Calculated Casing Volumes Purge Duration (min)	4.91
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Cloudy
External Ambient Temperature (C)	22
Previous Well Sampled	TW4-05

Well Depth (ft)	126.20
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	84.80

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/13/2022 13:33	22.00	4743	6.00	15.37	523	1.0	2.5	
9/13/2022 13:34	33.00	4748	6.05	15.31	516	1.0	2.5	
9/13/2022 13:35	44.00	4742	6.09	15.30	512	1.0	2.5	
9/13/2022 13:36	55.00	4741	6.09	15.31	508	1.1	2.6	

Volume of water purged (gals)	55.00

Final Depth to Water (feet)	115.45

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	5.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
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Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1327. Purge began at 1331. Purged well for a total of 5 minutes. Purge ended at 1336. Water was clear. Left site at 1339.
Arrived on site at 0925. Depth to water was 84.80. Samples bailed and collected at 0928. Left site at 0929.

Signature of Field Technician

White Mesa Mill

Field Data Worksheet For Groundwater

Location ID	TW4-09
Field Sample ID	TW4-09_09142022
Purge Date & Time	9/13/2022 12:27
Sample Date & Time	9/14/2022 9:10

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	32.21
Calculated Casing Volumes Purge Duration (min)	5.85
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Cloudy
External Ambient Temperature (C)	22
Previous Well Sampled	TW4-27

Well Depth (ft)	120.10
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	70.77

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/13/2022 12:32	55.00	2494	6.12	15.25	540	25.0	23.0	
9/13/2022 12:33	66.00	2487	6.15	15.24	530	26.0	24.0	
9/13/2022 12:34	77.00	2486	6.17	15.22	522	27.0	24.0	
9/13/2022 12:35	88.00	2484	6.20	15.20	513	28.0	24.0	

Volume of water purged (gals)	88.00

Final Depth to Water (feet)	73.98

Name of Certified Analytical Laboratory
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Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	8.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1223. Purge began at 1227. Purged well for a total of 8 minutes. Purge ended at 1235. Water was mostly clear.
Left site at 1237.Arrived on site at 0907. Depth to water was 70.80. Samples bailed and collected at 0910. Left site at 0914.

Signature of Field Technician

Darren Holliday

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-10
Field Sample ID	TW4-10_09152022
Purge Date & Time	9/14/2022 11:49
Sample Date & Time	9/15/2022 8:30

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	28.12
Calculated Casing Volumes Purge Duration (min)	5.11
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Cloudy
External Ambient Temperature (C)	18
Previous Well Sampled	TW4-16

Well Depth (ft)	113.20
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	70.13

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/14/2022 11:52	38.50	2826	5.80	15.20	553	20.0	28.1	
9/15/2022 8:30		2481	6.12	15.51				Before
9/15/2022 8:31		2479	6.15	15.48				After

Volume of water purged (gals)	38.50

Final Depth to Water (feet)	110.41

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	3.50
Number of casing Volumes	1.36
Volume, if well evacuated to dryness (gals)	38.50

Name of Certified Analytical Laboratory
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Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1145. Purge began at 1149. Purged well for a total of 3 minutes and 30 seconds. Purged well dry. Purge ended at 1152. Water was clear. Left site at 1155.
Arrived on site at 0826. Depth to water was 70.25. Samples bailed and collected at 0830. Left site at 0832.

Signature of Field Technician

Tanner Holliday

White Mesa Mill

Field Data Worksheet For Groundwater

Location ID	TW4-11
Field Sample ID	TW4-11_08302022
Purge Date & Time	8/30/2022 8:07
Sample Date & Time	8/30/2022 8:07

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	7.19
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	21
Previous Well Sampled	MW-26

Well Depth (ft)	102.40
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	91.38

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
8/30/2022 8:07		3755	6.70	18.02	250	0	81.2	

Volume of water purged ()	

Final Depth to Water (feet)	100.05

Name of Certified Analytical Laboratory
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Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	16.0
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 0803. Samples collected at 0807. Water was clear. Left site at 0810.

Signature of Field Technician

White Mesa Mill

Field Data Worksheet For Groundwater

Location ID	TW4-12
Field Sample ID	TW4-12_09132022
Purge Date & Time	9/12/2022 12:58
Sample Date & Time	9/13/2022 7:30

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	30.60
Calculated Casing Volumes Purge Duration (min)	5.56
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Cloudy
External Ambient Temperature (C)	26
Previous Well Sampled	TW4-42

Well Depth (ft)	103.20
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	56.33

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/12/2022 13:01	38.50	1643	6.85	15.67	412	1.0	72.0	
9/13/2022 7:30		1633	7.10	15.01				Before
9/13/2022 7:31		1637	7.11	15.10				After

Volume of water purged (gals)	38.50

Final Depth to Water (feet)	100.98

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	3.50
Number of casing Volumes	1.25
Volume, if well evacuated to dryness (gals)	38.50

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1253. Purge began at 1258. Purged well for a total of 3 minutes and 30 seconds. Purge ended at 1301. Water was clear. Left site at 1304.
Arrived on site at 0725. Depth to water was 56.30. Samples bailed and collected at 0730. Left site at 0732.

Signature of Field Technician

Darren Holliday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-13
Field Sample ID	TW4-13_09132022
Purge Date & Time	9/12/2022 14:52
Sample Date & Time	9/13/2022 7:57

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	31.44
Calculated Casing Volumes Purge Duration (min)	5.71
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Cloudy
External Ambient Temperature (C)	28
Previous Well Sampled	TW4-32

Well Depth (ft)	105.70
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	57.55

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/12/2022 14:55	40.33	2120	6.40	15.72	485	3.0	84.0	
9/13/2022 7:57		2085	6.95	14.82				Before
9/13/2022 7:58		2084	6.93	14.80				After

Volume of water purged (gals)	40.33

Final Depth to Water (feet)	103.02

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	3.66
Number of casing Volumes	1.28
Volume, if well evacuated to dryness (gals)	40.33

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1448. Purge began at 1452. Purged well for a total of 3 minutes and 40 seconds. Purged well dry. Purge ended at 1455. Water was clear. Left site at 1459.
Arrived on site at 0753. Depth to water was 57.55. Samples bailed and collected at 0757. Left site at 0600.

Signature of Field Technician

Durrae Holliday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-14
Field Sample ID	TW4-14_09142022
Purge Date & Time	9/13/2022 11:04
Sample Date & Time	9/14/2022 8:44

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	11.58
Calculated Casing Volumes Purge Duration (min)	2.10
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Cloudy
External Ambient Temperature (C)	21
Previous Well Sampled	TW4-38

Well Depth (ft)	95.10
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	77.36

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/13/2022 11:05	13.75	5460	6.56	16.00	351	30.0	95.0	
9/14/2022 8:44		5369	6.10	14.88				Before
9/14/2022 8:45		5375	6.12	14.87				After

Volume of water purged (gals)	13.75

Final Depth to Water (feet)	92.89

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	1.25
Number of casing Volumes	1.18
Volume, if well evacuated to dryness (gals)	13.75

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1100. Purge began at 1104. Purged well for a total of 1 minute and 15 seconds. Purged well dry. Purge ended at 1105. Water was a little murky. Left site at 1108.
Arrived on site at 0840. Depth to water was 77.39. Samples bailed and collected at 0844. Left site at 0846.

Signature of Field Technician

Jarrett Holliday

White Mesa Mill

Field Data Worksheet For Groundwater

Location ID	MW-26
Field Sample ID	MW-26_08302022
Purge Date & Time	8/30/2022 7:59
Sample Date & Time	8/30/2022 8:00

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	26.48
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	20
Previous Well Sampled	TW4-39

Well Depth (ft)	121.33
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	80.77

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
8/30/2022 8:00		3421	6.65	15.83	257	0	24.9	

Volume of water purged ()	
Final Depth to Water (feet)	105.20

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	16.00
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
AWSL

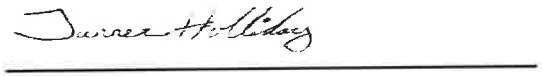
Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 0755. Samples collected at 0800. Water was clear. Left site at 0802.

Signature of Field Technician



Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-16
Field Sample ID	TW4-16_09152022
Purge Date & Time	9/14/2022 10:43
Sample Date & Time	9/15/2022 8:23

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	47.94
Calculated Casing Volumes Purge Duration (min)	8.71
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Cloudy
External Ambient Temperature (C)	16
Previous Well Sampled	TW4-16R

Well Depth (ft)	147.60
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	74.18

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/14/2022 10:50	77.00	3873	6.29	14.95	513	26.0	4.5	
9/14/2022 10:51	88.00	3887	6.30	14.95	504	24.0	4.2	
9/14/2022 10:52	99.00	3800	6.34	14.92	495	23.0	4.0	
9/14/2022 10:53	110.00	3789	6.36	14.94	485	22.0	4.0	

Volume of water purged (gals)	110.00

Final Depth to Water (feet)	118.49

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	10.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1039. Purge began at 1043. Purged well for a total of 10 minutes. Purge ended at 1053. Water was mostly clear. Left site at 1056.
Arrived on site at 0819. Depth to water was 74.30. Samples bailed and collected at 0823. Left site at 0824.

Signature of Field Technician

Darren Hollday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-16R
Field Sample ID	TW4-16R_09142022
Purge Date & Time	
Sample Date & Time	9/14/2022 10:25

Sampling Program	
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	
Pump Type	
Purging Method	
Casing Volume ()	
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	
pH Buffer 4.0	
Specific Conductance ()	

Weather Conditions	
External Ambient Temperature ()	
Previous Well Sampled	

Well Depth (ft)	
Well Casing Diameter ()	
Depth to Water Before Purging (ft)	

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/14/2022 10:24	133.00	9.1	6.04	20.80	351	0	20.0	

Volume of water purged ()	
Final Depth to Water (feet)	

Name of Certified Analytical Laboratory
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Pumping Rate Calculations

Flow Rate (Q = S/60) ()	
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Signature of Field Technician

Dunnea Holliday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	MW-32
Field Sample ID	MW-32_09152022
Purge Date & Time	9/15/2022 5:00
Sample Date & Time	9/15/2022 10:00

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	31.21
Calculated Casing Volumes Purge Duration (min)	287.68
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Partly cloudy
External Ambient Temperature (C)	13
Previous Well Sampled	TW4-26

Well Depth (ft)	130.60
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	82.80

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/15/2022 9:57	64.44	3717	6.10	14.66	247	210.0	8.1	
9/15/2022 9:58	64.66	3714	6.13	14.63	241	207.0	8.0	
9/15/2022 9:59	64.88	3717	6.15	14.62	237	212.0	8.0	
9/15/2022 10:00	65.10	3715	6.17	14.61	233	214.0	8.0	

Volume of water purged (gals)	65.10

Final Depth to Water (feet)	88.70

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	.217
Time to evacuate 2 Casing Volumes (min)	300.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
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Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 0456. Purge began at 0500. Purged well for a total of 300 minutes. Purge ended and samples collected at 1000. Water was a little murky with a light brown coloration. Left site at 1004.

Signature of Field Technician

Darren Holliday

White Mesa Mill

Field Data Worksheet For Groundwater

Location ID	TW4-18
Field Sample ID	TW4-18_09142022
Purge Date & Time	9/13/2022 14:30
Sample Date & Time	9/14/2022 9:50

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform
Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	41.15
Calculated Casing Volumes Purge Duration (min)	7.48
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Cloudy
External Ambient Temperature (C)	22
Previous Well Sampled	TW4-33

Well Depth (ft)	136.90
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	73.88

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/13/2022 14:36	66.00	2002	6.00	15.67	531	30.0	10.4	
9/13/2022 14:37	77.00	1984	6.04	15.67	527	31.0	10.8	
9/13/2022 14:38	88.00	1957	6.06	15.67	523	32.0	11.0	
9/13/2022 14:39	99.00	1945	6.05	15.67	520	32.1	11.2	

Volume of water purged (gals)	99.00
Final Depth to Water (feet)	75.79

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	9.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1425. Purge began at 1430. Purged well for a total of 9 minutes. Purge ended at 1439. Water was clear. Left site at 1442.
Arrived on site at 0947. Depth to water was 73.90. Samples bailed and collected at 0950. Left site at 0951.

Signature of Field Technician

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-19
Field Sample ID	TW4-19_08302022
Purge Date & Time	8/30/2022 9:24
Sample Date & Time	8/30/2022 9:25

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	34.43
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	22
Previous Well Sampled	TW4-40

Well Depth (ft)	126.86
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	74.12

Date/Time	Gallons Purged	Conductivity	pH	Temp	Redox	Turbidity	Dissolved Oxygen	Before/After
8/30/2022 9:25		2798	6.7	17.04	415	1	42.5	

Volume of water purged ()	
Final Depth to Water (feet)	79.65

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	16.0
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:
Arrived on site at 0921. Samples collected at 0925. Water was clear. Left site at 0927.

Signature of Field Technician

Dannea Holliday

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-21
Field Sample ID	TW4-21_08302022
Purge Date & Time	8/30/2022 7:04
Sample Date & Time	8/30/2022 7:05

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	31.06
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	19
Previous Well Sampled	N/A

Well Depth (ft)	118.80
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	71.23

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
8/30/2022 7:05		2690	6.50	16.50	398	0	110.0	

Volume of water purged ()	

Final Depth to Water (feet)	78.79

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	16.00
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 0701. Samples collected at 0705. Water was clear. Left site at 0708.

Signature of Field Technician

Darren Holliday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-22
Field Sample ID	TW4-22_08302022
Purge Date & Time	8/30/2022 7:35
Sample Date & Time	8/30/2022 7:35

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	29.11
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	19
Previous Well Sampled	TW4-24

Well Depth (ft)	114.70
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	70.11

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
8/30/2022 7:35		5553	6.58	15.83	282	1.0	88.0	

Volume of water purged ()	
Final Depth to Water (feet)	98.49

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	16.0
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:
Arrived on site at 0730. Samples collected at 0735. Water was clear. Left site at 0737.

Signature of Field Technician

Darren Holliday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-23
Field Sample ID	TW4-23_09142022
Purge Date & Time	9/13/2022 9:59
Sample Date & Time	9/14/2022 8:27

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	26.01
Calculated Casing Volumes Purge Duration (min)	4.73
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Cloudy
External Ambient Temperature (C)	20
Previous Well Sampled	TW4-35

Well Depth (ft)	116.40
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	76.56

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/13/2022 10:03	44.00	3504	6.30	14.55	279	2.0	4.5	
9/13/2022 10:04	55.00	3511	6.35	14.54	269	1.0	4.8	
9/13/2022 10:05	66.00	3479	6.39	14.54	260	1.0	5.0	
9/13/2022 10:06	77.00	3493	6.40	14.56	256	1.1	5.0	

Volume of water purged (gals)	77.00

Final Depth to Water (feet)	101.48

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	7.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 0955. Purge began at 0959. Purged well for a total of 7 minutes. Purge ended at 1006. Water had an orange coloration. Left site at 1009.
Arrived on site at 0823. Depth to water was 76.54. Samples bailed and collected at 0827. Left site at 0828.

Signature of Field Technician

Dunnee Holliday

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-24
Field Sample ID	TW4-24_08302022
Purge Date & Time	8/30/2022 7:24
Sample Date & Time	8/30/2022 7:25

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform
Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	29.12
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	19
Previous Well Sampled	TW4-25
Well Depth (ft)	114.80
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	70.20

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
8/30/2022 7:25		4915	6.50	15.39	263	1.0	13.4	

Volume of water purged ()	
Final Depth to Water (feet)	85.61

Name of Certified Analytical Laboratory
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Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	16.0
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 0721. Samples collected at 0725. Water was clear. Left site at 0728.

Signature of Field Technician

White Mesa Mill

Field Data Worksheet For Groundwater

Location ID	TW4-25
Field Sample ID	TW4-25_08302022
Purge Date & Time	8/30/2022 7:12
Sample Date & Time	8/30/2022 7:15

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume ()	
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	19
Previous Well Sampled	TW4-21

Well Depth (ft)	136.70
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	69.97

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
8/30/2022 7:15		2557	6.76	15.36	276	1.3	26.3	

Volume of water purged ()	
Final Depth to Water (feet)	83.61

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	10.8
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
AWSL

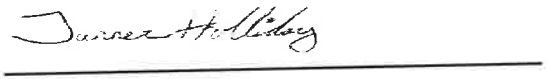
Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 0710. Samples collected at 0715. Water was clear. Left site at 0718.

Signature of Field Technician



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-26
Field Sample ID	TW4-26_09152022
Purge Date & Time	9/14/2022 13:25
Sample Date & Time	9/15/2022 9:04

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	8.41
Calculated Casing Volumes Purge Duration (min)	1.53
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Cloudy
External Ambient Temperature (C)	21
Previous Well Sampled	TW4-07

Well Depth (ft)	87.70
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	74.81

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/14/2022 13:26	8.25	4582	6.30	16.17	395	3.0	88.0	
9/15/2022 9:04		4662	6.75	14.93				Before
9/15/2022 9:05		4663	6.75	14.95				After

Volume of water purged (gals)	8.25

Final Depth to Water (feet)	85.49

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	0.75
Number of casing Volumes	0.98
Volume, if well evacuated to dryness (gals)	8.25

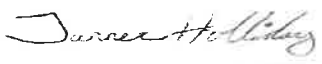
Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1321. Purge began at 1325. Purged well for a total of 45 seconds. Purged well dry. Purge ended at 1325. Water was clear. Left site at 1329.
Arrived on site at 0900. Depth to water was 75.20. Samples bailed and collected at 0904. Left site at 0906.

Signature of Field Technician



Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-27
Field Sample ID	TW4-27_09142022
Purge Date & Time	9/13/2022 12:00
Sample Date & Time	9/14/2022 9:02

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	10.80
Calculated Casing Volumes Purge Duration (min)	1.96
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Cloudy
External Ambient Temperature (C)	22
Previous Well Sampled	TW4-06

Well Depth (ft)	95.75
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	79.21

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/13/2022 12:01	11.00	5260	6.70	16.00	372	12.0	67.0	
9/14/2022 9:02		5134	6.30	14.86				Before
9/14/2022 9:03		5136	6.31	14.82				After

Volume of water purged (gals)	11.00

Final Depth to Water (feet)	93.02

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Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	1.00
Number of casing Volumes	1.01
Volume, if well evacuated to dryness (gals)	11.00

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1156. Purge began at 1200. Purged well for a total of 1 minute. Purged well dry. Purge ended at 1201. Water was clear. Left site at 1204.
Arrived on site at 0858. Depth to water was 79.58. Samples bailed at 0902. Left site at 0904.

Signature of Field Technician

Dannee Holliday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-28
Field Sample ID	TW4-28_09132022
Purge Date & Time	9/12/2022 13:32
Sample Date & Time	9/13/2022 7:38

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	38.61
Calculated Casing Volumes Purge Duration (min)	7.02
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Cloudy
External Ambient Temperature (C)	27
Previous Well Sampled	TW4-12

Well Depth (ft)	108.48
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	49.35

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/12/2022 13:36	51.33	1537	6.86	15.30	357	8.1	120.0	
9/13/2022 7:38		1538	7.10	14.66				Before
9/13/2022 7:39		1537	7.10	14.70				After

Volume of water purged (gals)	51.33

Final Depth to Water (feet)	106.22

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	4.66
Number of casing Volumes	1.32
Volume, if well evacuated to dryness (gals)	51.33

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:
Arrived on site at 1328. Purge began at 1332. Purged well for a total of 4 minutes and 40 seconds. Purged well dry. Purge ended at 1336. Water was clear. Left site at 1339.
Arrived on site at 0734. Depth to water was 49.39. Samples bailed and collected at 0738. Left site at 0740.

Signature of Field Technician

Jarrett Holliday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-29
Field Sample ID	TW4-29_09152022
Purge Date & Time	9/14/2022 12:19
Sample Date & Time	9/15/2022 8:42

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	10.00
Calculated Casing Volumes Purge Duration (min)	1.81
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Cloudy
External Ambient Temperature (C)	19
Previous Well Sampled	TW4-10

Well Depth (ft)	94.48
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	79.16

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/14/2022 12:20	11.00	4114	6.37	15.80	465	4.7	105.0	
9/15/2022 8:42		4062	6.62	15.37				Before
9/15/2022 8:43		4059	6.66	15.32				After

Volume of water purged (gals)	11.00

Final Depth to Water (feet)	92.10

Name of Certified Analytical Laboratory

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	1.00
Number of casing Volumes	1.10
Volume, if well evacuated to dryness (gals)	11.00

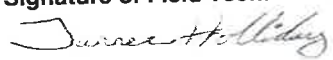
Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1215. Purge began at 1219. Purged well for a total of 1 minute. Purged well dry. Purge ended at 1220. Water was clear. Left site at 1223. Arrived on site at 0837. Depth to water was 79.25. Samples bailed and collected at 0842. Left site at 0846.

Signature of Field Technician



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-30
Field Sample ID	TW4-30_09142022
Purge Date & Time	9/13/2022 15:04
Sample Date & Time	9/14/2022 10:00

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	11.93
Calculated Casing Volumes Purge Duration (min)	2.17
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Cloudy
External Ambient Temperature (C)	21
Previous Well Sampled	TW4-18

Well Depth (ft)	93.48
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	75.20

Date/Time	Gallons Purged (gal)	onductivity (umhos/cn	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/13/2022 15:05	13.75	4591	5.79	15.83	470	27.0	55.0	
9/14/2022 10:00		4437	5.73	14.99				Before
9/14/2022 10:01		4444	5.76	15.00				After

Volume of water purged (gals)	13.75

Final Depth to Water (feet)	91.22

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	1.25
Number of casing Volumes	1.15
Volume, if well evacuated to dryness (gals)	13.75

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Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:
Arrived on site at 1500. Purge began at 1504. Purged well for a total of 1 minute and 15 seconds. Purged well dry. Purge ended at 1505. Water was clear. Left site at 1508.
Arrived on site at 0956. Depth to water was 75.28. Samples bailed and collected at 1000. Left site at 1002.

Signature of Field Technician

Darren Holliday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-31
Field Sample ID	TW4-31_09132022
Purge Date & Time	9/12/2022 16:00
Sample Date & Time	9/13/2022 8:11

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	20.45
Calculated Casing Volumes Purge Duration (min)	3.71
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Partly cloudy
External Ambient Temperature (C)	27
Previous Well Sampled	TW4-36

Well Depth (ft)	107.48
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	76.16

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/12/2022 16:02	24.75	3772	6.45	16.20	361	30.0	27.9	
9/13/2022 8:11		3765	6.94	15.03				Before
9/13/2022 8:12		3767	6.90	15.02				After

Volume of water purged (gals)	24.75

Final Depth to Water (feet)	105.34

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	2.25
Number of casing Volumes	1.21
Volume, if well evacuated to dryness (gals)	24.75

Name of Certified Analytical Laboratory
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Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1536. Purge began at 1600. Purged well for a total of 2 minutes and 15 seconds. Purged well dry. Purge ended at 1602. Water was a little murky. Left site at 1605.
Arrived on site at 0807. Depth to water was 76.25. Samples bailed and collected at 0811. Left site at 0813.

Signature of Field Technician

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-32
Field Sample ID	TW4-32_09132022
Purge Date & Time	9/12/2022 14:09
Sample Date & Time	9/13/2022 7:45

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform
Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	37.61
Calculated Casing Volumes Purge Duration (min)	6.83
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Cloudy
External Ambient Temperature (C)	28
Previous Well Sampled	TW4-28

Well Depth (ft)	114.64
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	57.03

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/12/2022 14:13	44.00	6056	3.41	15.44	497	30.0	1.0	
9/12/2022 14:14	55.00	6118	3.43	15.34	491	24.0	1.0	
9/12/2022 14:15	66.00	6154	3.45	15.31	487	23.5	1.0	
9/12/2022 14:16	77.00	6156	3.46	15.29	485	23.0	1.0	

Volume of water purged (gals)	77.00

Final Depth to Water (feet)	105.25

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	7.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
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Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1405. purge began at 1409. Purged well for a total of 7 minutes. Purge ended at 1416. Water was a little murky. Pump and line had salt like particles when pulled. Left site at 1419. Arrived on site at 0741. Depth to water was 57.01. Samples bailed and collected at 0745. Left site at 0748.

Signature of Field Technician

Darren Holliday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-33
Field Sample ID	TW4-33_09142022
Purge Date & Time	9/13/2022 14:03
Sample Date & Time	9/14/2022 9:36

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	4.75
Calculated Casing Volumes Purge Duration (min)	0.86
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Cloudy
External Ambient Temperature (C)	22
Previous Well Sampled	TW4-08

Well Depth (ft)	86.23
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	78.95

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/13/2022 14:03	5.5	2365	7.16	17.67	420	124	134.0	
9/14/2022 9:36		4801	6.64	14.93				Before
9/14/2022 9:37		4800	6.67	14.91				After

Volume of water purged (gals)	5.5

Final Depth to Water (feet)	84.30

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	0.50
Number of casing Volumes	1.15
Volume, if well evacuated to dryness (gals)	5.5

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1359. Purge began at 1403. Purged well for a total of 30 seconds. Purged well dry. Purge ended at 1403. Water was clear with tiny little bubbles surfacing. Left site at 1406.
Arrived on site at 0933. Depth to water was 79.77. Samples bailed and collected at 0936. Left site at 0938.

Signature of Field Technician

Durrea Holliday

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-34
Field Sample ID	TW4-34_09142022
Purge Date & Time	9/13/2022 8:56
Sample Date & Time	9/14/2022 8:11

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform
Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	11.93
Calculated Casing Volumes Purge Duration (min)	2.17
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Cloudy
External Ambient Temperature (C)	18
Previous Well Sampled	TW4-43
Well Depth (ft)	95.74
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	77.46

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/13/2022 8:57	14.66	3641	6.60	15.55	311	13.8	41.0	
9/14/2022 8:11		3707	6.81	15.45				Before
9/14/2022 8:12		3719	6.79	15.40				After

Volume of water purged (gals)	14.66
Final Depth to Water (feet)	93.20

Name of Certified Analytical Laboratory
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Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	1.33
Number of casing Volumes	1.22
Volume, if well evacuated to dryness (gals)	14.66

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 0852. Purge began at 0856. Purged well for a total of 1 minute and 20 seconds. Purged well dry. Purge ended at 0857. Water was clear. Left site at 0901.
Arrived on site at 0807. Depth to water was 77.47. Samples bailed and collected at 0811. Left site at 0813.

Signature of Field Technician

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-35
Field Sample ID	TW4-35_09142022
Purge Date & Time	9/13/2022 9:28
Sample Date & Time	9/14/2022 8:19

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform
Sampler	TH/DL
Weather Conditions	Cloudy
External Ambient Temperature (C)	19
Previous Well Sampled	TW4-34

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	7.01
Calculated Casing Volumes Purge Duration (min)	1.27
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Well Depth (ft)	86.50
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	75.75

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/13/2022 9:28	7.33	4460	6.50	16.10	343	19.0	38.0	
9/14/2022 8:19		4400	6.52	14.97				Before
9/14/2022 8:20		4420	6.52	14.91				After

Volume of water purged (gals)	7.33
Final Depth to Water (feet)	84.23

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	0.66
Number of casing Volumes	1.04
Volume, if well evacuated to dryness (gals)	7.33

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:
Arrived on site at 0924. Purge began at 0928. Purged well for a total of 40 seconds. Purged well dry. Purge ended at 0928. Water was clear. Left site at 0931.
Arrived on site at 0815. Depth to water was 75.75. Samples bailed and collected at 0819. Left site at 0821.

Signature of Field Technician

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-36
Field Sample ID	TW4-36_09132022
Purge Date & Time	9/12/2022 15:26
Sample Date & Time	9/13/2022 8:05

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	26.57
Calculated Casing Volumes Purge Duration (min)	4.83
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Cloudy
External Ambient Temperature (C)	28
Previous Well Sampled	TW4-13

Well Depth (ft)	99.41
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	58.71

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/12/2022 15:29	33.00	2509	6.46	15.94	212	32.0	1.2	
9/13/2022 8:05		2433	6.91	14.90				Before
9/13/2022 8:06		2446	6.90	14.93				After

Volume of water purged (gals)	33.00

Final Depth to Water (feet)	97.01

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	3.00
Number of casing Volumes	1.24
Volume, if well evacuated to dryness (gals)	33.00

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:
Arrived on site at 1522. Purge began at 1526. Purged well for a total of 3 minutes. Purged well dry. Purge ended at 1529. Water was a little murky. Left site at 1532.
Arrived on site at 0800. Depth to water was 59.85. Samples bailed and collected at 0805. Left site at 0807.

Signature of Field Technician

Darren Holliday

White Mesa Mill

Field Data Worksheet For Groundwater

Location ID	TW4-37
Field Sample ID	TW4-37_08302022
Purge Date & Time	8/30/2022 7:41
Sample Date & Time	8/30/2022 7:42

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	27.19
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	20
Previous Well Sampled	TW4-22

Well Depth (ft)	113.72
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	72.08

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
8/30/2022 7:42		4509	6.54	16.20	285	0	79.8	

Volume of water purged ()	
Final Depth to Water (feet)	84.55

Pumping Rate Calculations	
Flow Rate (Q = S/60) (gal/min)	18.0
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 0738. Samples collected at 0742. Water was clear. Left site at 0745.

Signature of Field Technician

Darren Holliday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-38
Field Sample ID	TW4-38_09142022
Purge Date & Time	9/13/2022 10:30
Sample Date & Time	9/14/2022 8:35

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	34.91
Calculated Casing Volumes Purge Duration (min)	6.34
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Cloudy
External Ambient Temperature (C)	20
Previous Well Sampled	TW4-23

Well Depth (ft)	113.92
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	60.45

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/13/2022 10:34	44.00	1700	6.30	14.98	535	9.0	75.0	
9/13/2022 10:35	55.00	1717	6.36	14.92	525	10.7	72.0	
9/13/2022 10:36	66.00	1671	6.40	14.90	515	11.0	70.0	
9/13/2022 10:37	77.00	1750	6.44	14.88	508	12.0	68.0	

Volume of water purged (gals)	77.00

Final Depth to Water (feet)	103.38

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	7.00
Number of casing Volumes	2.00
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1026. Purge began at 1030. Purged well for a total of 7 minutes. Purge ended at 1037. Water was a little murky. Left site at 1040.
Arrived on site at 0832. Depth to water was 60.53. Samples bailed and collected at 0835. Left site at 0836.

Signature of Field Technician

Darren Holliday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-39
Field Sample ID	TW4-39_08302022
Purge Date & Time	8/30/2022 7:49
Sample Date & Time	8/30/2022 7:50

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	33.16
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	20
Previous Well Sampled	TW4-37

Well Depth (ft)	120.74
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	69.95

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
8/30/2022 7:50		2530	6.77	15.67	274	0	52.0	

Volume of water purged ()	
Final Depth to Water (feet)	104.27

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	18.0
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:
Arrived on site at 0745. Samples collected at 0750. Water was clear. Left site at 0752.

Signature of Field Technician

Durrea Holliday

Groundwater Discharge Permit

Groundwater Monitoring Quality Assurance Plan

White Mesa Mill

Field Data Worksheet For Groundwater

Location ID	TW4-40
Field Sample ID	TW4-40_08302022
Purge Date & Time	8/30/2022 9:11
Sample Date & Time	8/30/2022 9:12

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	9.01
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	22
Previous Well Sampled	TW4-04

Well Depth (ft)	86.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	72.20

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
8/30/2022 9:12		4142	6.60	16.02	275	7.0	130.0	

Volume of water purged ()	

Final Depth to Water (feet)	82.47

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	18.0
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 0908. Samples collected at 0912. Water was clear. Left site at 0914.

Signature of Field Technician

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-41
Field Sample ID	TW4-41_08302022
Purge Date & Time	8/30/2022 8:51
Sample Date & Time	8/30/2022 8:52

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume ()	
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	21
Previous Well Sampled	TW4-01

Well Depth (ft)	97.75
Well Casing Diameter (in)	6
Depth to Water Before Purging (ft)	88.12

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
8/30/2022 8:52		2806	7.00	17.20	295	0	85.0	

Volume of water purged ()	
Final Depth to Water (feet)	90.43

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	6.0
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:
Arrived on site at 0848. Samples collected at 0852. Water was clear. Left site at 0854.

Signature of Field Technician

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-42
Field Sample ID	TW4-42_09132022
Purge Date & Time	9/12/2022 12:25
Sample Date & Time	9/13/2022 7:20

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	9.86
Calculated Casing Volumes Purge Duration (min)	1.79
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Cloudy
External Ambient Temperature (C)	26
Previous Well Sampled	TW4-03

Well Depth (ft)	86.00
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	70.89

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/12/2022 12:26	11.00	3948	6.48	16.05	398	2.3	102.0	
9/13/2022 7:20		3693	7.00	15.11				Before
9/13/2022 7:21		3708	7.02	15.09				After

Volume of water purged (gals)	11.00

Final Depth to Water (feet)	84.11

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	1.00
Number of casing Volumes	1.11
Volume, if well evacuated to dryness ()	11.00

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1221. Purge began at 1225. Purged well for a total of 1 minute. Purged well dry. Purge ended at 1226. Water was clear. Left site at 1229.
Arrived on site at 0716. Depth to water was 70.79. Samples bailed and collected at 0720. Left site at 0722.

Signature of Field Technician

Darren Holliday

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-43
Field Sample ID	TW4-43_09132022
Purge Date & Time	9/12/2022 16:31
Sample Date & Time	9/13/2022 8:18

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform

Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume (gal)	14.43
Calculated Casing Volumes Purge Duration (min)	2.62
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Partly cloudy
External Ambient Temperature (C)	26
Previous Well Sampled	TW4-31

Well Depth (ft)	95.5
Well Casing Diameter (in)	4
Depth to Water Before Purging (ft)	73.40

Date/Time	Gallons Purged (gal)	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
9/12/2022 16:33	22.00	3708	6.33	16.17	346	30.1	24.0	
9/13/2022 8:18		3686	6.74	14.97				Before
9/13/2022 8:19		3697	6.74	14.94				After

Volume of water purged (gals)	22.00

Final Depth to Water (feet)	92.89

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) (gal/min)	11.00
Time to evacuate 2 Casing Volumes (min)	2.00
Number of casing Volumes	1.52
Volume, if well evacuated to dryness (gals)	22.00

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived on site at 1627. Purge began at 1631. Purged well for a total of 2 minutes. Purged well dry. Purge ended at 1633. Water was mostly clear. Left site at 1636.
Arrived on site at 0814. Depth to water was 73.45. Samples bailed and collected at 0818. Left site at 0820.

Signature of Field Technician

Darren Holliday

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-60
Field Sample ID	TW4-60_08302022
Purge Date & Time	8/30/2022 9:45
Sample Date & Time	8/30/2022 9:45

Sampling Program	Chloroform Monitoring
Sampling Event	2022 Q3 Chloroform
Sampler	TH/DL

Purging Equipment	Pump
Pump Type	Grundfos
Purging Method	2 Casings
Casing Volume ()	
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	7.0
pH Buffer 4.0	4.0
Specific Conductance (micromhos)	1000

Weather Conditions	Sunny
External Ambient Temperature (C)	22
Previous Well Sampled	TW4-19
Well Depth (ft)	
Well Casing Diameter ()	
Depth to Water Before Purging (ft)	

Date/Time	Gallons Purged	Conductivity (umhos/cm)	pH (pH Units)	Temp (deg C)	Redox (mV)	Turbidity (NTU)	Dissolved Oxygen (%)	Before/After
8/30/2022 9:45		6.7	7.61	23.30	228	5.0	14.7	

Volume of water purged ()	
Final Depth to Water (feet)	

Pumping Rate Calculations

Flow Rate (Q = S/60) ()	
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	0

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Arrived in lab at 0940. DI Sample collected at 0945. Left lab at 0947.

Signature of Field Technician

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-65
Field Sample ID	TW4-65_09132022
Purge Date & Time	
Sample Date & Time	9/13/2022 7:45

Sampling Program	
Sampling Event	2022 Q3 Chloroform
Sampler	TH/DL

Purging Equipment	
Pump Type	
Purging Method	
Casing Volume ()	
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	
pH Buffer 4.0	
Specific Conductance ()	

Weather Conditions	
External Ambient Temperature ()	
Previous Well Sampled	

Well Depth (ft)	
Well Casing Diameter ()	
Depth to Water Before Purging (ft)	

Date/Time	Gallons Purged	Conductivity	pH	Temp	Redox	Turbidity	Dissolved Oxygen	Before/After

Volume of water purged ()	
Final Depth to Water (feet)	

Pumping Rate Calculations

Flow Rate (Q = S/60) ()	
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	

Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:
Duplicate of TW4-32

Signature of Field Technician

Dawn Holliday

Groundwater Discharge Permit
Groundwater Monitoring Quality Assurance Plan

White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-70
Field Sample ID	TW4-70_09142022
Purge Date & Time	
Sample Date & Time	9/14/2022 9:10

Sampling Program	
Sampling Event	2022 Q3 Chloroform
Sampler	TH/DL

Purging Equipment	
Pump Type	
Purging Method	
Casing Volume ()	
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	
pH Buffer 4.0	
Specific Conductance ()	

Weather Conditions	
External Ambient Temperature ()	
Previous Well Sampled	

Well Depth (ft)	
Well Casing Diameter ()	
Depth to Water Before Purging (ft)	

Date/Time	Gallons Purged	Conductivity	pH	Temp	Redox	Turbidity	Dissolved Oxygen	Before/After

Volume of water purged ()	
Final Depth to Water (feet)	

Pumping Rate Calculations

Flow Rate (Q = S/60) ()	
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	

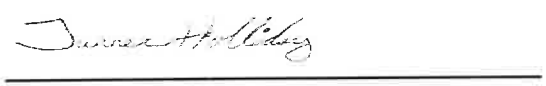
Name of Certified Analytical Laboratory
AWSL

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:
Duplicate of TW4-09

Signature of Field Technician



White Mesa Mill
Field Data Worksheet For Groundwater

Location ID	TW4-75
Field Sample ID	TW4-75_09152022
Purge Date & Time	
Sample Date & Time	9/15/2022 8:42

Sampling Program	
Sampling Event	2022 Q3 Chloroform
Sampler	TH/DL

Purging Equipment	
Pump Type	
Purging Method	
Casing Volume ()	
Calculated Casing Volumes Purge Duration ()	
pH Buffer 7.0	
pH Buffer 4.0	
Specific Conductance ()	

Weather Conditions	
External Ambient Temperature ()	
Previous Well Sampled	
Well Depth (ft)	
Well Casing Diameter ()	
Depth to Water Before Purging (ft)	

Date/Time	Gallons Purged	Conductivity	pH	Temp	Redox	Turbidity	Dissolved Oxygen	Before/After

Volume of water purged ()	
Final Depth to Water (feet)	

Name of Certified Analytical Laboratory
AWSL

Pumping Rate Calculations

Flow Rate (Q = S/60) ()	
Time to evacuate 2 Casing Volumes ()	
Number of casing Volumes	
Volume, if well evacuated to dryness ()	

Analytical Samples Information

Type of Sample/Analysis	Sample Collected?	Matrix	Container		Sample Filtered?	Preservative	
			Number	Type		Type	Added?
VOCs-Chloroform	Y	WATER	3	40ml VOA	U	HCl (pH<2), 4 Deg C	Y
Chloride	Y	WATER	1	500-mL Poly	U	None	N
Nitrate/nitrite as N	Y	WATER	1	250-mL HDPE	U	H2SO4 (pH<2), 4 Deg C	Y

Comments:

Duplicate of TW4-29

Signature of Field Technician

Darren Holliday

Tab C

Weekly and Monthly Depth to Water Data

Weekly Inspection Form

Date 7-5-22 **Name** Dena Glyman, Tanner Hallidor

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
0920	MW-4	82.46	Flow 4.0 Meter 3330422.00	~~Yes~~ No ~~Yes~~ No
0850	MW-26	76.14	Flow 16.2 Meter 714083.6	~~Yes~~ No ~~Yes~~ No
1135	TW4-19	73.51	Flow 17.4 Meter 199280.20	~~Yes~~ No ~~Yes~~ No
0946	TW4-4	85.25	Flow 16.0 Meter 810855.4	~~Yes~~ No ~~Yes~~ No
0801	TWN-2	58.31	Flow 16.0 Meter 1416645.36	~~Yes~~ No ~~Yes~~ No
0822	TW4-22	72.13	Flow 16.4 Meter 899036.1	~~Yes~~ No ~~Yes~~ No
0816	TW4-24	95.15	Flow 16.0 Meter 1944188.10	~~Yes~~ No ~~Yes~~ No
0751	TW4-25	69.55	Flow 10.8 Meter 1228483.33	~~Yes~~ No ~~Yes~~ No
0930	TW4-1	105.92	Flow 12.4 Meter 401077.1	~~Yes~~ No ~~Yes~~ No
0912	TW4-2	111.38	Flow 16.0 Meter 493679.2	~~Yes~~ No ~~Yes~~ No
0859	TW4-11	88.76	Flow 14.8 Meter 9906.16	~~Yes~~ No ~~Yes~~ No
0744	TW4-21	93.40	Flow 14.8 Meter 3069111.77	~~Yes~~ No ~~Yes~~ No
0832	TW4-37	68.05	Flow 18.0 Meter 2197436.9	~~Yes~~ No ~~Yes~~ No
0840	TW4-39	72.77	Flow 18.0 Meter 962746	~~Yes~~ No ~~Yes~~ No
0954	TW4-40	72.80	Flow 18.0 Meter 1033790.91	~~Yes~~ No ~~Yes~~ No
0939	TW4-41	89.83	Flow 6.0 Meter 398276.20	~~Yes~~ No ~~Yes~~ No

Operational Problems (Please list well number): _____

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

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 7-11-22 **Name** Deen Clymer, Tanner Halliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
0918	MW-4	81.71	Flow 4.0	Yes No
			Meter 3335453.11	Yes No
0859	MW-26	72.68	Flow 16.0	Yes No
			Meter 718920.0	Yes No
1210	TW4-19	71.61	Flow 16.8	Yes No
			Meter 207760.30	Yes No
1017	TW4-4	82.07	Flow 16.0	Yes No
			Meter 810950.3	Yes No
0823	TWN-2	58.50	Flow 15.8	Yes No
			Meter 147743.57	Yes No
0835	TW4-22	66.33	Flow 16.4	Yes No
			Meter 899496.0	Yes No
0829	TW4-24	65.49	Flow 16.0	Yes No
			Meter 1948193.53	Yes No
0817	TW4-25	69.92	Flow 11.4	Yes No
			Meter 1235177.70	Yes No
0925	TW4-1	105.75	Flow 14.0	Yes No
			Meter 402127.3	Yes No
0911	TW4-2	111.63	Flow 16.4	Yes No
			Meter 494392.5	Yes No
0904	TW4-11	88.88	Flow 14.6	Yes No
			Meter 10097.85	Yes No
0812	TW4-21	76.21	Flow 16.0	Yes No
			Meter 3075027.59	Yes No
0841	TW4-37	69.48	Flow 17.8	Yes No
			Meter 2200168.0	Yes No
0850	TW4-39	70.14	Flow 18.0	Yes No
			Meter 965777.2	Yes No
1029	TW4-40	72.43	Flow 18.0	Yes No
			Meter 1037085.55	Yes No
1011	TW4-41	90.23	Flow 6.0	Yes No
			Meter 398904.73	Yes No

Operational Problems (Please list well number): _____

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

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 7-18-22 **Name** Deen Lyman, Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
0939	MW-4	82.83	Flow 4.0	Yes No
			Meter 3343511.02	Yes No
0921	MW-26	86.24	Flow 16.0	Yes No
			Meter 718965.5	Yes No
1145	TW4-19	74.00	Flow 17.6	Yes No
			Meter 2184469.00	Yes No
0956	TW4-4	77.12	Flow 16.0	Yes No
			Meter 811222.9	Yes No
0843	TWN-2	57.91	Flow 16.0	Yes No
			Meter 1488220.23	Yes No
0906	TW4-22	75.25	Flow 16.4	Yes No
			Meter 901178.0	Yes No
0901	TW4-24	74.14	Flow 16.0	Yes No
			Meter 1952654.22	Yes No
0820	TW4-25	69.40	Flow 10.8	Yes No
			Meter 12435888.79	Yes No
0945	TW4-1	103.15	Flow 13.4	Yes No
			Meter 402759.0	Yes No
0934	TW4-2	108.62	Flow 16.4	Yes No
			Meter 495259.1	Yes No
0929	TW4-11	90.33	Flow 14.8	Yes No
			Meter 10193.27	Yes No
0812	TW4-21	76.52	Flow 16.4	Yes No
			Meter 3081883.57	Yes No
0911	TW4-37	72.17	Flow 18.0	Yes No
			Meter 2203110.2	Yes No
0916	TW4-39	78.47	Flow 18.0	Yes No
			Meter 967099.2	Yes No
1003	TW4-40	72.26	Flow 18.0	Yes No
			Meter 1040845.38	Yes No
0951	TW4-41	89.13	Flow 6.0	Yes No
			Meter 399896.49	Yes No

Operational Problems (Please list well number): _____

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

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 7-25-22 **Name** Deen G Lyman, Terree Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1249	MW-4	81.87	Flow 4.0	Yes No
			Meter 3350693.33	Yes No
1041	MW-26	77.04	Flow 16.0	Yes No
			Meter 720408.0	Yes No
0645	TW4-19	72.47	Flow 16.8	Yes No
			Meter 0230668.17	Yes No
1336	TW4-4	86.40	Flow 16.6	Yes No
			Meter 811944.6	Yes No
0752	TWN-2	57.91	Flow 16.0	Yes No
			Meter 150006.32	Yes No
1016	TW4-22	69.09	Flow 16.2	Yes No
			Meter 902899.4	Yes No
1010	TW4-24	66.30	Flow 16.2	Yes No
			Meter 1857100.26	Yes No
* 0745	TW4-25	69.53	Flow 10.8	Yes No
			Meter 1250575.77	Yes No
1255	TW4-1	106.95	Flow 14.0	Yes No
			Meter 403495.5	Yes No
1240	TW4-2	111.63	Flow 16.0	Yes No
			Meter 496044.0	Yes No
1052	TW4-11	89.27	Flow 16.0	Yes No
			Meter 10201.04	Yes No
0738	TW4-21	70.73	Flow 16.6	Yes No
			Meter 3088520.11	Yes No
1026	TW4-37	66.15	Flow 17.8	Yes No
			Meter 2206212.4	Yes No
1034	TW4-39	72.38	Flow 18.0	Yes No
			Meter 969381.0	Yes No
1342	TW4-40	72.21	Flow 18.0	Yes No
			Meter 1044567.40	Yes No
1330	TW4-41	88.78	Flow 6.0	Yes No
			Meter 400787.37	Yes No

Operational Problems (Please list well number): _____

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

* Depth is measured to the nearest 0.01 feet.

Monthly Depth Check Form

Date 7-26-22 **Name** Deen Gilsinger, Tanner Holliday

Time	Well	Depth*	Time	Well	Depth*
1249	MW-4	81.87	0745	TWN-1	70.08
1255	TW4-1	106.95	0752	TWN-2	57.91
1240	TW4-2	111.63	0811	TWN-3	44.09
0936	TW4-3	65.25	0807	TWN-4	62.82
1336	TW4-4	86.40	0839	TWN-7	80.09
0932	TW4-5	72.31	0756	TWN-18	62.81
0910	TW4-6	79.76	0740	MW-27	58.58
0914	TW4-7	82.79	0857	MW-30	75.23
0918	TW4-8	85.64	0852	MW-31	69.48
0928	TW4-9	70.40			
0945	TW4-10	69.76			
1058	TW4-11	89.27			
1052	TW4-12	56.23			
1049	TW4-13	57.45	1035	TW4-29	79.07
1041	TW4-14	77.31	1016	TW4-30	75.22
1044	MW-26	77.04	1012	TW4-31	76.21
0845	TW4-16	73.87	1059	TW4-32	56.95
0849	MW-32	82.70	1004	TW4-33	78.85
0749	TW4-18	73.84	1029	TW4-34	77.37
0645	TW4-19	72.19	1020	TW4-35	75.68
0738	TW4-21	70.73	1045	TW4-36	58.58
1016	TW4-22	69.09	1026	TW4-37	66.15
0902	TW4-23	76.25	0924	TW4-38	60.37
1010	TW4-24	66.30	1034	TW4-39	72.38
0745	TW4-25	69.53	1342	TW4-40	72.21
0906	TW4-26	74.59	1330	TW4-41	88.78
1008	TW4-27	79.20	1000	TW4-42	70.66
1055	TW4-28	49.10	1024	TW4-43	73.40

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

* Depth is measured to the nearest 0.01 feet

Weekly Inspection Form

Date 8-1-22 **Name** Deen Glyman

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
1313	MW-4	81.71	Flow 4.0	[redacted] No
			Meter 3357590.02	[redacted] No
0851	MW-26	73.65	Flow 16.4	[redacted] No
			Meter 722693.7	[redacted] No
1430	TW4-19	73.55	Flow 16.0	[redacted] No
		73.55	Meter 240281.10	[redacted] No
1331	TW4-4	81.18	Flow 16.8	[redacted] No
			Meter 812628.2	[redacted] No
0821	TWN-2	82.23	Flow 16.0	[redacted] No
			Meter 151289.75	[redacted] No
* 0833	TW4-22	70.72	Flow 16.0	[redacted] No
			Meter 904200.6	[redacted] No
0827	TW4-24	66.84	Flow 16.2	[redacted] No
			Meter 1961619.95	[redacted] No
0815	TW4-25	69.96	Flow 10.8	[redacted] No
			Meter 1257965.88	[redacted] No
1318	TW4-1	106.66	Flow 14.0	[redacted] No
			Meter 404032.9	[redacted] No
0904	TW4-2	110.50	Flow 14.8	[redacted] No
			Meter 496988.8	[redacted] No
0858	TW4-11	90.21	Flow 15.6	[redacted] No
			Meter 10316.63	[redacted] No
0808	TW4-21	75.45	Flow 16.4	[redacted] No
			Meter 3095555.41	[redacted] No
0840	TW4-37	68.22	Flow 18.0	[redacted] No
			Meter 2209397.6	[redacted] No
0845	TW4-39	69.53	Flow 18.0	[redacted] No
			Meter 971532.0	[redacted] No
1340	TW4-40	74.33	Flow 18.0	[redacted] No
			Meter 1048249.13	[redacted] No
1325	TW4-41	89.87	Flow 6.0	[redacted] No
			Meter 401600.50	[redacted] No

Operational Problems (Please list well number): _____

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

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 8-8-22 **Name** Deen Gr Lyman, Tanner Halliday

	Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
	1033	MW-4	80.74	Flow 4.0	Yes No
				Meter 3364378.07	Yes No
*	1010	MW-26	78.05	Flow 16.0	Yes No
				Meter 724867.0	Yes No
	1230	TW4-19	72.20	Flow 16.8	Yes No
				Meter 250776.73	Yes No
	1145	TW4-4	86.27	Flow 16.4	Yes No
				Meter 813307.9	Yes No
	0908	TWN-2	84.11	Flow 16.0	Yes No
				Meter 152470.32	Yes No
	0941	TW4-22	67.61	Flow 16.2	Yes No
				Meter 906319.3	Yes No
	0931	TW4-24	66.90	Flow 17.6	Yes No
				Meter 1966160.57	Yes No
	0859	TW4-25	69.53	Flow 10.8	Yes No
				Meter 1265686.36	Yes No
	1039	TW4-1	101.19	Flow 12.8	Yes No
				Meter 404652.7	Yes No
	1026	TW4-2	106.68	Flow 16.0	Yes No
				Meter 497879.5	Yes No
	1018	TW4-11	89.50	Flow 16.0	Yes No
				Meter 10412.27	Yes No
	0846	TW4-21	76.35	Flow 16.0	Yes No
				Meter 3102279.36	Yes No
	0947	TW4-37	66.03	Flow 18.0	Yes No
				Meter 2212485.1	Yes No
	0955	TW4-39	72.18	Flow 18.0	Yes No
				Meter 974961.2	Yes No
*	1153	TW4-40	72.56	Flow 18.0	Yes No
				Meter 1052001.39	Yes No
	1137	TW4-41	90.05	Flow 6.0	Yes No
				Meter 402508.05	Yes No

Operational Problems (Please list well number): _____

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

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 8-15-22 **Name** Dean Glayman, Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
0839	MW-4	81.66	Flow 4.0	No
			Meter 3371092.31	No
0820	MW-26	74.13	Flow 16.0	No
			Meter 727161.8	No
0930	TW4-19	73.45	Flow 16.0	No
			Meter 261222.16	No
0901	TW4-4	88.52	Flow 14.6	Yes No
			Meter ~~4039~~ 814060.6	No
0748	TWN-2	58.20	Flow 16.0	No
			Meter 153822.59	No
0802	TW4-22	80.75	Flow 16.2	No
			Meter 906920.3	No
0756	TW4-24	69.21	Flow 16.0	No
			Meter 1970777.21	No
0735	TW4-25	70.45	Flow 13.4	No
			Meter 1273268.05	No
0845	TW4-1	99.98	Flow 12.4	No
			Meter 405385.2	No
0835	TW4-2	98.93	Flow 16.2	No
			Meter 498642.5	No
0830	TW4-11	89.78	Flow 14.0	No
			Meter 10528.63	No
0718	TW4-21	75.84	Flow 16.0	No
			Meter 3108943.02	No
0809	TW4-37	71.30	Flow 18.0	No
			Meter 2215567.6	No
0814	TW4-39	73.82	Flow 18.0	No
			Meter 976361.4	No
0907	TW4-40	72.31	Flow 18.0	No
			Meter 1055768.22	No
0855	TW4-41	89.13	Flow 6.0	No
			Meter 403475.89	No

Operational Problems (Please list well number): _____

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

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 9-22-22 **Name** Deco Glasmann, Tanner Halliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
0943	MW-4	81.86	Flow 4.0	Yes No
			Meter 3377935.22	Yes No
0927	MW-26	73.65	Flow 16.0	Yes No
			Meter 729444.8	Yes No
1020	TW4-19	71.30	Flow 16.0	Yes No
			Meter 272138.01	Yes No
0958	TW4-4	86.54	Flow 16.0	Yes No
			Meter 814758.6	Yes No
0813	TWN-2	78.25	Flow 16.0	Yes No
			Meter 154795.38	Yes No
0823	TW4-22	69.03	Flow 16.2	Yes No
			Meter 909732.9	Yes No
0818	TW4-24	70.63	Flow 16.0	Yes No
			Meter 1975259.22	Yes No
0809	TW4-25	76.15	Flow 10.8	Yes No
			Meter 1281089.42	Yes No
0948	TW4-1	105.27	Flow 12.8	Yes No
			Meter 405923.2	Yes No
* 0938	TW4-2	110.11	Flow 15.8	Yes No
			Meter 499645.3	Yes No
0933	TW4-11	90.05	Flow 16.0	Yes No
			Meter 10623.27	Yes No
0802	TW4-21	74.19	Flow 16.2	Yes No
			Meter 3115832.71	Yes No
0828	TW4-37	68.12	Flow 18.0	Yes No
			Meter 2218649.8	Yes No
0923	TW4-39	71.88	Flow 18.0	Yes No
			Meter 979939.0	Yes No
1007	TW4-40	72.17	Flow 18.0	Yes No
			Meter 1059525.77	Yes No
0953	TW4-41	89.95	Flow 6.0	Yes No
			Meter 404375.63	Yes No

Operational Problems (Please list well number): _____

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

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 8-29-22 **Name** Deen G Seymour, Tanner Halliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
0858	MW-4	84.37	Flow 4.0	No
			Meter 3384636.33	No
0840	MW-26	74.46	Flow 16.2	No
			Meter 731944.9	No
1050	TW4-19	74.11	Flow 16.0	No
			Meter 2828 78.52	No
0922	TW4-4	83.44	Flow 15.6	No
			Meter 815439.1	No
0744	TWN-2	58.80	Flow 16.0	No
			Meter 155978.07	No
0820	TW4-22	73.03	Flow 16.2	No
			Meter 911440.0	No
0814	TW4-24	69.99	Flow 16.0	No
			Meter 1979889.06	No
0737	TW4-25	70.42	Flow 10.8	No
			Meter 1288728.93	No
0908	TW4-1	97.07	Flow 14.2	No
			Meter 406552.9	No
0853	TW4-2	96.85	Flow 16.0	No
			Meter 500426.8	No
0847	TW4-11	90.88	Flow 14.6	No
			Meter 10730.41	No
0730	TW4-21	75.85	Flow 16.0	No
			Meter 3122580.88	No
0829	TW4-37	70.21	Flow 18.0	No
			Meter 2221620.3	No
0835	TW4-39	75.50	Flow 18.0	No
			Meter 981429.7	No
0929	TW4-40	72.2	Flow 18.0	No
			Meter 1063338.08	No
0915	TW4-41	90.45	Flow 6.0	No
			Meter 405278.33	No

Operational Problems (Please list well number): _____

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

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 9-6-22 **Name** Deen Lyman / Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
0844	MW-4	81.15	Flow 4.0	~~Yes~~ No
			Meter 3392480.85	~~Yes~~ No
0825	MW-26	81.06	Flow 16.0	~~Yes~~ No
			Meter 734110.9	~~Yes~~ No
0958	TW4-19	86.30	Flow 16.4	~~Yes~~ No
			Meter 295136.55	~~Yes~~ No
0903	TW4-4	85.11	Flow 16.0	~~Yes~~ No
			Meter 816109.6	~~Yes~~ No
0755	TWN-2	59.43	Flow 16.0	~~Yes~~ No
			Meter 157291.48	~~Yes~~ No
0807	TW4-22	70.61	Flow 16.4	~~Yes~~ No
			Meter 913420.5	~~Yes~~ No
0801	TW4-24	69.74	Flow 16.2	~~Yes~~ No
			Meter 1985024.82	~~Yes~~ No
0749	TW4-25	69.67	Flow 12.0	~~Yes~~ No
			Meter 1297434.06	~~Yes~~ No
0849	TW4-1	103.88	Flow 12.8	~~Yes~~ No
			Meter 407389.9	~~Yes~~ No
0839	TW4-2	99.06	Flow 16.0	~~Yes~~ No
			Meter 501434.8	~~Yes~~ No
0833	TW4-11	89.95	Flow 14.6	~~Yes~~ No
			Meter 10950.49	~~Yes~~ No
0742	TW4-21	71.22	Flow 16.0	~~Yes~~ No
			Meter 3130239.99	~~Yes~~ No
0814	TW4-37	72.65	Flow 18.0	~~Yes~~ No
			Meter 2225285.8	~~Yes~~ No
0820	TW4-39	73.55	Flow 18.0	~~Yes~~ No
			Meter 984324.8	~~Yes~~ No
0910	TW4-40	72.28	Flow 18.0	~~Yes~~ No
			Meter 1067506.88	~~Yes~~ No
0856	TW4-41	90.16	Flow 6.0	~~Yes~~ No
			Meter 406273.59	~~Yes~~ No

Operational Problems (Please list well number): ______

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

* Depth is measured to the nearest 0.01 feet.

Monthly Depth Check Form

Date 9-7-22 **Name** Deen G Lyman, Tanner Halliday

Time	Well	Depth*	Time	Well	Depth*
1057	MW-4	82.50	1259	TWN-1	70.23
1053	TW4-1	99.63	1245	TWN-2	58.92
1100	TW4-2	110.31	0909	TWN-3	43.82
1202	TW4-3	65.62	0905	TWN-4	63.08
1047	TW4-4	73.45	0850	TWN-7	80.48
1212	TW4-5	72.87	1308	TWN-18	62.95
1044	TW4-6	80.18	1241	MW-27	58.78
1150	TW4-7	82.38	1234	MW-30	75.48
1158	TW4-8	85.53	1228	MW-31	69.76
1209	TW4-9	70.98			
1216	TW4-10	70.37			
1103	TW4-11	88.96			
1013	TW4-12	56.51			
1009	TW4-13	57.80	0956	TW4-29	79.37
1001	TW4-14	77.50	0941	TW4-30	75.48
1146	MW-26	71.10	0933	TW4-31	76.42
1220	TW4-16	74.37	1020	TW4-32	57.35
1224	MW-32	82.95	0927	TW4-33	79.07
1303	TW4-18	74.03	0952	TW4-34	77.67
1320	TW4-19	77.46	0944	TW4-35	75.95
1254	TW4-21	72.15	1005	TW4-36	58.88
1135	TW4-22	68.38	1138	TW4-37	70.67
1039	TW4-23	76.80	1206	TW4-38	60.71
0924	TW4-24	~~79.43~~ 69.81	1142	TW4-39	71.04
1249	TW4-25	69.99	1032	TW4-40	72.57
1035	TW4-26	75.08	1050	TW4-41	89.95
0929	TW4-27	79.43	0912	TW4-42	70.98
1017	TW4-28	49.57	0937	TW4-43	73.62

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

* Depth is measured to the nearest 0.01 feet

Weekly Inspection Form

Date 9-12-22 **Name** Deen Gelgoman, Tanner Halliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
0905	MW-4	80.14	Flow —	Yes [redacted]
			Meter 3395739.02	Yes [redacted]
0844	MW-26	82.36	Flow 16.4	[redacted] No
			Meter 736145.5	[redacted] No
0948	TW4-19	98.75	Flow 16.0	[redacted] No
			Meter 304319.33	[redacted] No
0925	TW4-4	84.55	Flow —	Yes [redacted]
			Meter 816545.0	Yes [redacted]
0756	TWN-2	61.20	Flow 16.0	[redacted] No
			Meter 158293.77	[redacted] No
0820	TW4-22	73.43	Flow 16.2	[redacted] No
			Meter 914870.3	[redacted] No
0814	TW4-24	67.05	Flow 16.2	[redacted] No
			Meter 1988936.37	[redacted] No
0750	TW4-25	70.44	Flow 10.8	[redacted] No
			Meter 1303905.01	[redacted] No
0911	TW4-1	85.07	Flow —	Yes [redacted]
			Meter 407609.2	Yes [redacted]
0858	TW4-2	80.56	Flow —	Yes [redacted]
			Meter 501976.4	Yes [redacted]
0851	TW4-11	89.14	Flow —	Yes [redacted]
			Meter 10901.48	Yes [redacted]
0744	TW4-21	104.55	Flow 16.0	[redacted] No
			Meter 3136089.11	[redacted] No
0828	TW4-37	67.30	Flow 18.0	[redacted] No
			Meter 2227896.0	[redacted] No
0836	TW4-39	73.37	Flow 18.0	[redacted] No
			Meter 987585.5	[redacted] No
0931	TW4-40	73.25	Flow —	Yes [redacted]
			Meter 1069583.92	Yes [redacted]
0918	TW4-41	84.90	Flow —	Yes [redacted]
			Meter 406613.04	Yes [redacted]

Operational Problems (Please list well number): Power is off to Tw4-11, Tw4-2, MW-4, Tw4-1, Tw4-41, Tw4-4, Tw4-40. Power Pole went down.

Corrective Action(s) Taken (Please list well number): Power will be restored ASAP. Waiting for rocky mountain power.

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 9/20/2022 **Name** Tanner Holliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
0815	MW-4	83.96	Flow 4.0	Yes No
			Meter 3400443.70	Yes No
0801	MW-26	80.94	Flow 16.0	Yes No
			Meter 738608.4	Yes No
0850	TW4-19	83.25	Flow 16.5	Yes No
			Meter 316582.84	Yes No
0829	TW4-4	86.11	Flow 16.0	Yes No
			Meter 817207.6	Yes No
0736	TWN-2	59.46	Flow 16.0	Yes No
			Meter 159542.40	Yes No
0746	TW4-22	74.34	Flow 16.5	Yes No
			Meter 916787.0	Yes No
0742	TW4-24	70.16	Flow 16.0	Yes No
			Meter 1994137.16	Yes No
0730	TW4-25	72.67	Flow 12.0	Yes No
			Meter 1312515.75	Yes No
0820	TW4-1	101.96	Flow 13.0	Yes No
			Meter 408157.3	Yes No
0810	TW4-2	94.48	Flow 16.0	Yes No
			Meter 502644.7	Yes No
0805	TW4-11	92.04	Flow 14.5	Yes No
			Meter 11012.76	Yes No
0725	TW4-21	72.57	Flow 16.0	Yes No
			Meter 3143645.86	Yes No
0751	TW4-37	70.83	Flow 18.0	Yes No
			Meter 2231232.6	Yes No
0756	TW4-39	74.05	Flow 18.0	Yes No
			Meter 98935.77	Yes No
0835	TW4-40	75.34	Flow 18.0	Yes No
			Meter 1072213.63	Yes No
0825	TW4-41	90.14	Flow 6.0	Yes No
			Meter 407595.40	Yes No

Operational Problems (Please list well number): _____

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

* Depth is measured to the nearest 0.01 feet.

Weekly Inspection Form

Date 9-27-22 **Name** Dean Lyman, Tanner Halliday

Time	Well	Depth*	Comments	System Operational (If no note any problems/corrective actions)
0923	MW-4	90.12	Flow 4.0	Yes No
			Meter 3407254.00	Yes No
0900	MW-26	82.28	Flow 16.4	Yes No
			Meter 740908.4	Yes No
1054	TW4-19	74.22	Flow 16.0	Yes No
			Meter 327338.84	Yes No
0940	TW4-4	83.40	Flow 16.8	Yes No
			Meter 819003.0	Yes No
0754	TWN-2	63.58	Flow 16.0	Yes No
			Meter 160795.95	Yes No
0821	TW4-22	72.32	Flow 16.0	Yes No
			Meter 918527.2	Yes No
0815	TW4-24	71.15	Flow 16.2	Yes No
			Meter 1998790.20	Yes No
0743	TW4-25	70.44	Flow 10.8	Yes No
			Meter 1320173.80	Yes No
0928	TW4-1	99.91	Flow 12.8	Yes No
			Meter 408987.2	Yes No
0917	TW4-2	91.78	Flow 16.2	Yes No
			Meter 503763.2	Yes No
0912	TW4-11	89.34	Flow 15.8	Yes No
			Meter 11121.02	Yes No
0734	TW4-21	76.10	Flow 16.0	Yes No
			Meter 3150335.07	Yes No
0839	TW4-37	66.18	Flow 18.0	Yes No
			Meter 2234311.4	Yes No
0847	TW4-39	69.61	Flow 18.0	Yes No
			Meter 992950.4	Yes No
0948	TW4-40	72.78	Flow 18.0	Yes No
			Meter 1076071.03	Yes No
0934	TW4-41	89.87	Flow 6.0	Yes No
			Meter 408583.39	Yes No

Operational Problems (Please list well number): _____

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

* Depth is measured to the nearest 0.01 feet.

Tab D

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

Name: Tanner Holliday, Deen Lyman

8/15/2022

Date	Time	Well	Depth to Water (ft.)
8/15/2022	1255	MW-01	65.09
8/15/2022	1332	MW-02	109.60
8/15/2022	928	MW-03A	83.96
8/15/2022	1345	MW-05	108.10
8/15/2022	1349	MW-11	85.32
8/15/2022	1342	MW-12	109.51
8/15/2022	1052	MW-14	101.61
8/15/2022	1038	MW-15	105.13
8/15/2022	903	MW-17	72.27
8/15/2022	1259	MW-18	74.20
8/15/2022	1329	MW-19	66.66
8/15/2022	746	MW-20	86.08
8/15/2022	720	MW-22	66.27
8/15/2022	1340	MW-23	113.92
8/15/2022	1321	MW-24A	110.50
8/15/2022	1324	MW-24	109.35
8/15/2022	1249	MW-25	81.91
8/15/2022	820	MW-26	74.13
8/15/2022	1209	MW-27	58.69
8/15/2022	1307	MW-28	74.60
8/15/2022	1313	MW-29	106.90
8/15/2022	954	MW-30	75.34
8/15/2022	946	MW-31	69.60
8/15/2022	1356	MW-32	82.80
8/15/2022	1352	MW-33	DRY
8/15/2022	1029	MW-34	107.24
8/15/2022	1344	MW-35	112.14
8/15/2022	1348	MW-36	110.41
8/15/2022	1035	MW-37	106.03
8/15/2022	735	MW-38	70.18
8/15/2022	728	MW-39	64.36
8/15/2022	853	MW-40	79.80

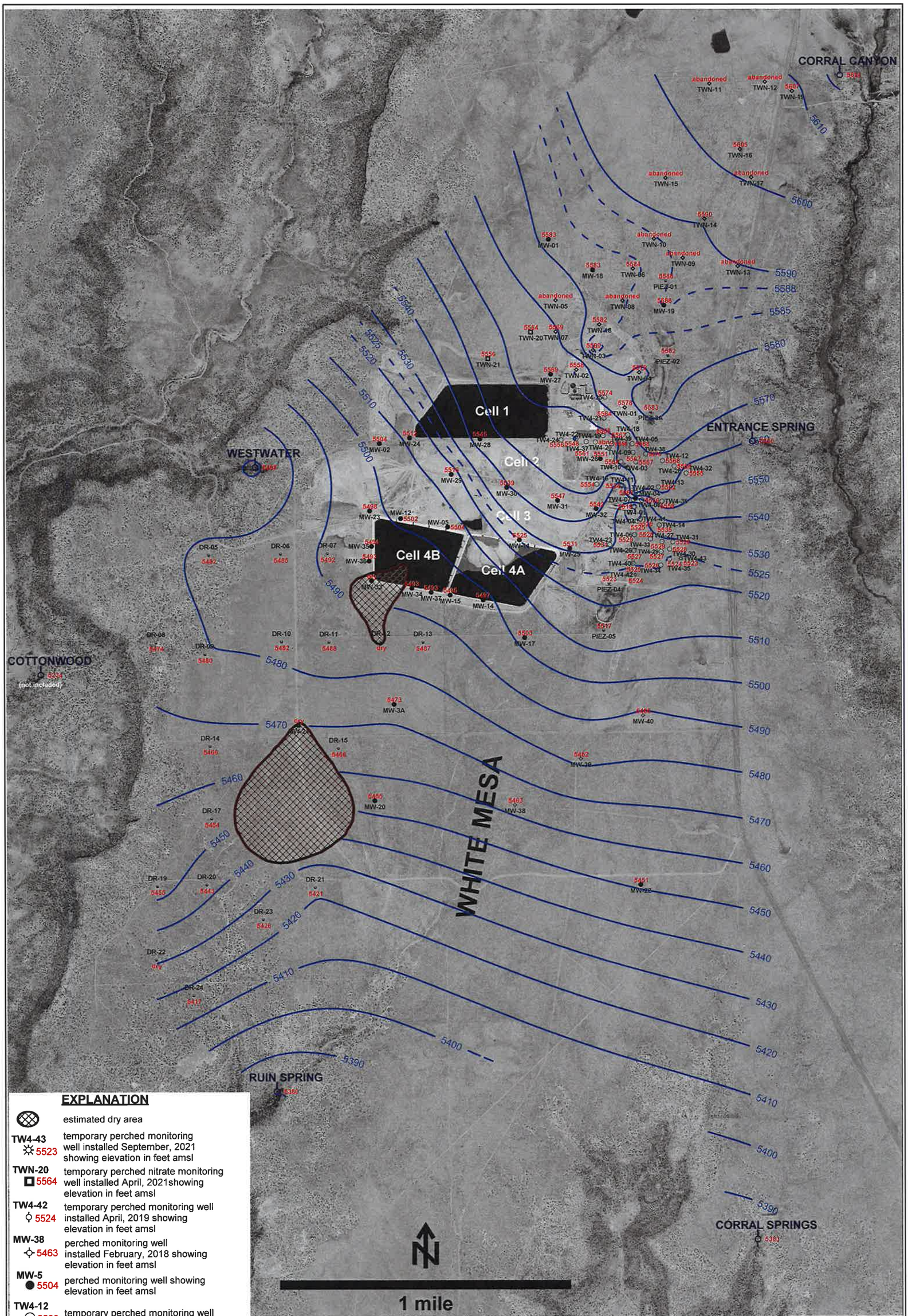
MW-26 = TW4-15

MW-32 = TW4-17

Comments:

Date	Time	Well	Depth to Water (ft.)
8/15/2022	839	MW-04	81.66
8/15/2022	845	TW4-01	99.98
8/15/2022	748	TW4-02	58.20
8/15/2022	1314	TW4-03	65.40
8/15/2022	901	TW4-04	88.52
8/15/2022	1303	TW4-05	72.66
8/15/2022	1326	TW4-06	79.94
8/15/2022	1322	TW4-07	82.43
8/15/2022	1318	TW4-08	85.42
8/15/2022	1307	TW4-09	70.76
8/15/2022	1259	TW4-10	70.15
8/15/2022	830	TW4-11	89.78
8/15/2022	1233	TW4-12	56.31
8/15/2022	1229	TW4-13	57.60
8/15/2022	1222	TW4-14	77.40
8/15/2022	1252	TW4-16	74.18
8/15/2022	1259	TW4-18	73.93
8/15/2022	930	TW4-19	73.45
8/15/2022	718	TW4-21	75.84
8/15/2022	802	TW4-22	80.75
8/15/2022	1335	TW4-23	76.53
8/15/2022	756	TW4-24	69.21
8/15/2022	735	TW4-25	70.45
8/15/2022	1330	TW4-26	74.82
8/15/2022	1352	TW4-27	79.25
8/15/2022	1235	TW4-28	49.27
8/15/2022	1355	TW4-29	79.15
8/15/2022	1216	TW4-30	75.31
8/15/2022	1219	TW4-31	76.28
8/15/2022	1238	TW4-32	57.08
8/15/2022	1349	TW4-33	78.95
8/15/2022	1205	TW4-34	77.51
8/15/2022	1209	TW4-35	75.78
8/15/2022	1225	TW4-36	58.73
8/15/2022	809	TW4-37	71.30
8/15/2022	1311	TW4-38	60.48
8/15/2022	814	TW4-39	73.82
8/15/2022	907	TW4-40	72.31
8/15/2022	855	TW4-41	89.13
8/15/2022	1345	TW4-42	70.75
8/15/2022	1212	TW4-43	73.48

Date	Time	Well	Depth to Water (ft.)
8/15/2022	1325	PIEZ-01	67.60
8/15/2022	1333	PIEZ-02	46.95
8/15/2022	1222	PIEZ-03A	54.97
8/15/2022	705	PIEZ-04	68.48
8/15/2022	1340	PIEZ-05	67.05
8/15/2022	1256	TWN-01	70.12
8/15/2022	1303	TWN-02	68.21
8/15/2022	1229	TWN-03	44.22
8/15/2022	1219	TWN-04	63.13
8/15/2022	1306	TWN-06	81.05
8/15/2022	1238	TWN-07	80.16
8/15/2022	1322	TWN-14	59.26
8/15/2022	1315	TWN-16	47.97
8/15/2022	1214	TWN-18	63.03
8/15/2022	712	TWN-19	54.42
8/15/2022	1446	TWN-20	78.23
8/15/2022	1350	TWN-21	79.27
8/15/2022	1003	DR-05	83.26
8/15/2022	952	DR-06	93.98
8/15/2022	945	DR-07	92.06
8/15/2022	934	DR-08	51.42
8/15/2022	926	DR-09	86.68
8/15/2022	950	DR-10	78.42
8/15/2022	920	DR-11	97.93
8/15/2022	913	DR-12	DRY
8/15/2022	908	DR-13	69.56
8/15/2022	939	DR-14	76.18
8/15/2022	920	DR-15	92.53
8/15/2022	932	DR-17	64.65
8/15/2022	910	DR-19	63.32
8/15/2022	905	DR-20	55.50
8/15/2022	809	DR-21	100.50
8/15/2022	918	DR-22	DRY
8/15/2022	859	DR-23	70.41
8/15/2022	924	DR-24	44.70



EXPLANATION

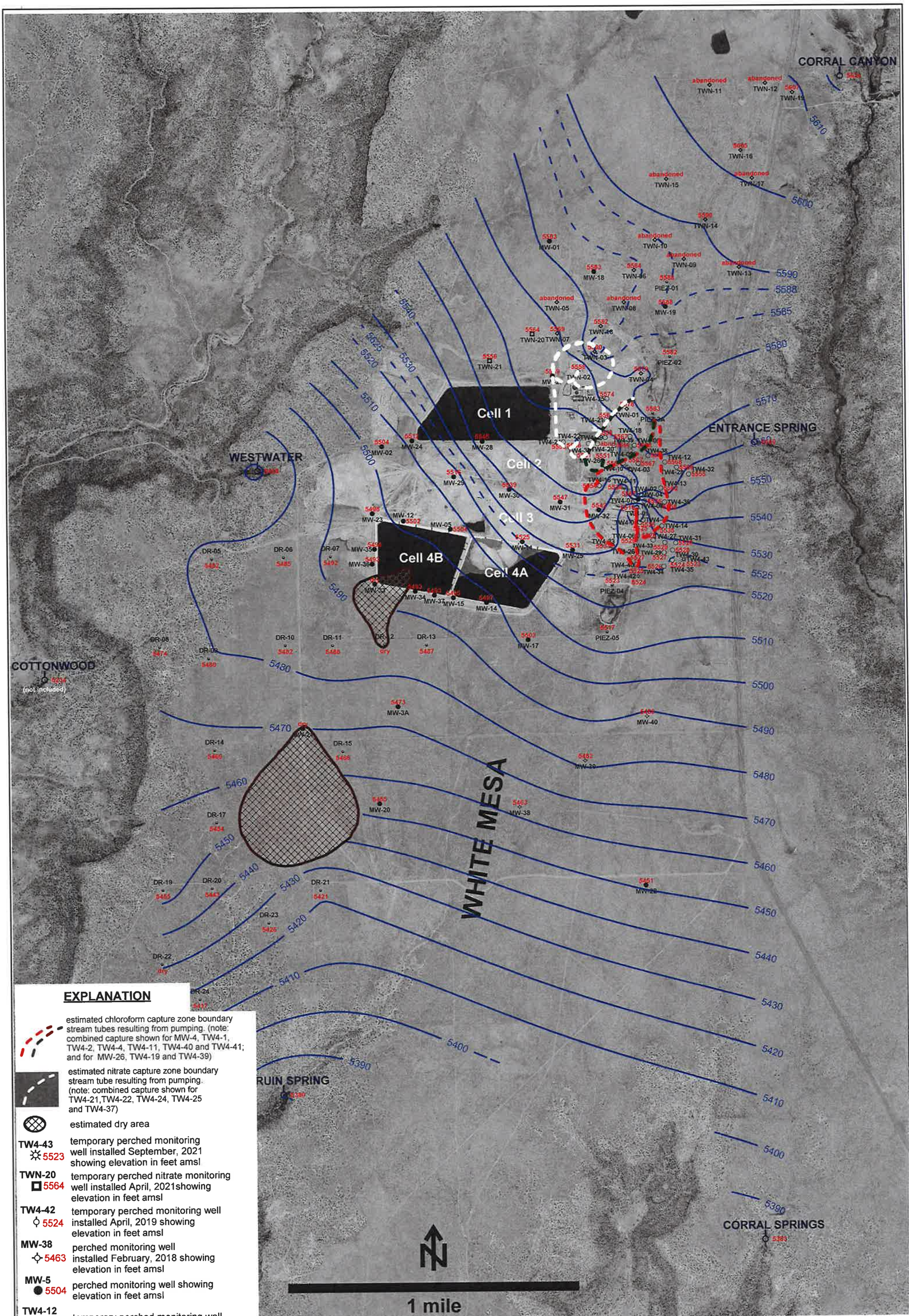
- estimated dry area
- **TW4-43** 5523 — temporary perched monitoring well installed September, 2021 showing elevation in feet amsl
- **TWN-20** 5564 — temporary perched nitrate monitoring well installed April, 2021showing elevation in feet amsl
- **TW4-42** 5524 — temporary perched monitoring well installed April, 2019 showing elevation in feet amsl
- **MW-38** 5463 — perched monitoring well installed February, 2018 showing elevation in feet amsl
- **MW-5** 5504 — perched monitoring well showing elevation in feet amsl
- **TW4-12** 5568 — temporary perched monitoring well showing elevation in feet amsl
- **TWN-7** 5569 — temporary perched nitrate monitoring well showing elevation in feet amsl
- **PIEZ-1** 5588 — perched piezometer showing elevation in feet amsl
- **RUIN SPRING** 5380 — seep or spring showing elevation in feet amsl

NOTES: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-21, TW4-37, TW4-39, TW4-40 and TW4-41 are chloroform pumping wells; TW4-22, TW4-24, TW4-25 and TWN-2 are nitrate pumping wells; TW4-11 water level is below the base of the Burro Canyon Formation

HYDRO GEO CHEM, INC.

KRIGED 3rd QUARTER, 2022 WATER LEVELS WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/nov22/WL/Uwl0922.srf	D-1



EXPLANATION

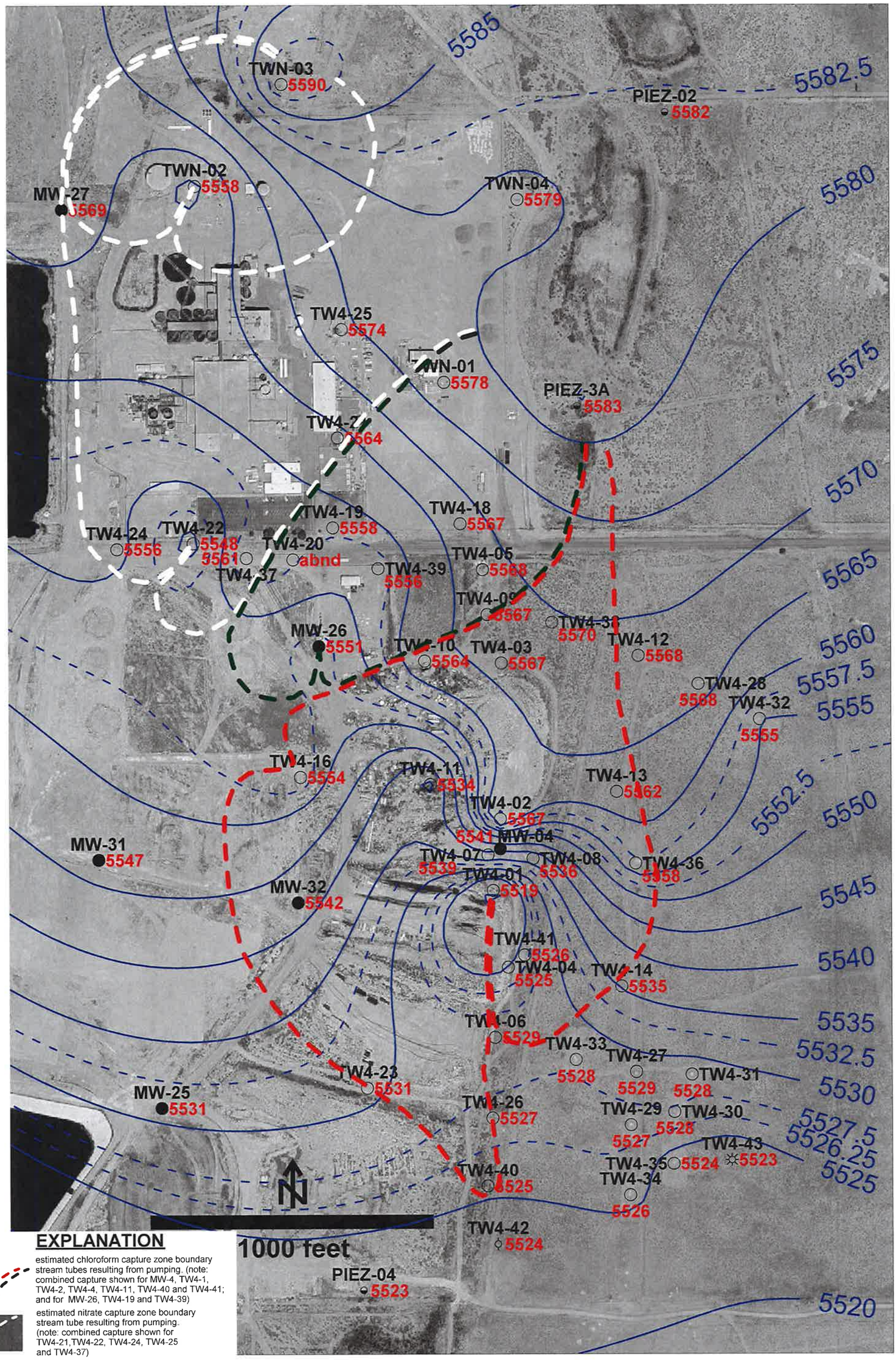
- estimated chloroform capture zone boundary stream tubes resulting from pumping. (note: combined capture shown for MW-4, TW4-1, TW4-2, TW4-4, TW4-11, TW4-40 and TW4-41; and for MW-26, TW4-19 and TW4-39)
- estimated nitrate capture zone boundary stream tube resulting from pumping. (note: combined capture shown for TW4-21,TW4-22, TW4-24, TW4-25 and TW4-37)
- estimated dry area
- **TW4-43** 5523 — temporary perched monitoring well installed September, 2021 showing elevation in feet amsl
- **TWN-20** 5564 — temporary perched nitrate monitoring well installed April, 2021showing elevation in feet amsl
- **TW4-42** 5524 — temporary perched monitoring well installed April, 2019 showing elevation in feet amsl
- **MW-38** 5463 — perched monitoring well installed February, 2018 showing elevation in feet amsl
- **MW-5** 5504 — perched monitoring well showing elevation in feet amsl
- **TW4-12** 5568 — temporary perched monitoring well showing elevation in feet amsl
- **TWN-7** 5569 — temporary perched nitrate monitoring well showing elevation in feet amsl
- **PIEZ-1** 5588 — perched piezometer showing elevation in feet amsl
- **RUIN SPRING** 5380 — seep or spring showing elevation in feet amsl

NOTES: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-21, TW4-37, TW4-39, TW4-40 and TW4-41 are chloroform pumping wells; TW4-22, TW4-24, TW4-25 and TWN-2 are nitrate pumping wells; TW4-11 water level is below the base of the Burro Canyon Formation

HYDRO GEO CHEM, INC.

KRIGED 3rd QUARTER, 2022 WATER LEVELS AND ESTIMATED CAPTURE ZONES WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/nov22/WL/Uwl0922cz2.srf	D-2



EXPLANATION

- estimated chloroform capture zone boundary stream tubes resulting from pumping. (note: combined capture shown for MW-4, TW4-1, TW4-2, TW4-4, TW4-11, TW4-40 and TW4-41; and for MW-26, TW4-19 and TW4-39)
- estimated nitrate capture zone boundary stream tube resulting from pumping. (note: combined capture shown for TW4-21,TW4-22, TW4-24, TW4-25 and TW4-37)
- TW4-43 ☼5523 — temporary perched monitoring well installed September, 2021 showing elevation in feet amsl
- TW4-42 ◊5524 — temporary perched monitoring well installed April, 2019 showing elevation in feet amsl
- MW-25 ●5531 — perched monitoring well showing elevation in feet amsl
- TW4-7 ○5539 — temporary perched monitoring well showing elevation in feet amsl
- PIEZ-2 ◒5582 — perched piezometer showing elevation in feet amsl

NOTES: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-21, TW4-37, TW4-39, TW4-40 and TW4-41 are chloroform pumping wells; TW4-22, TW4-24, TW4-25 and TWN-2 are nitrate pumping wells; TW4-11 water level is below the base of the Burro Canyon Formation

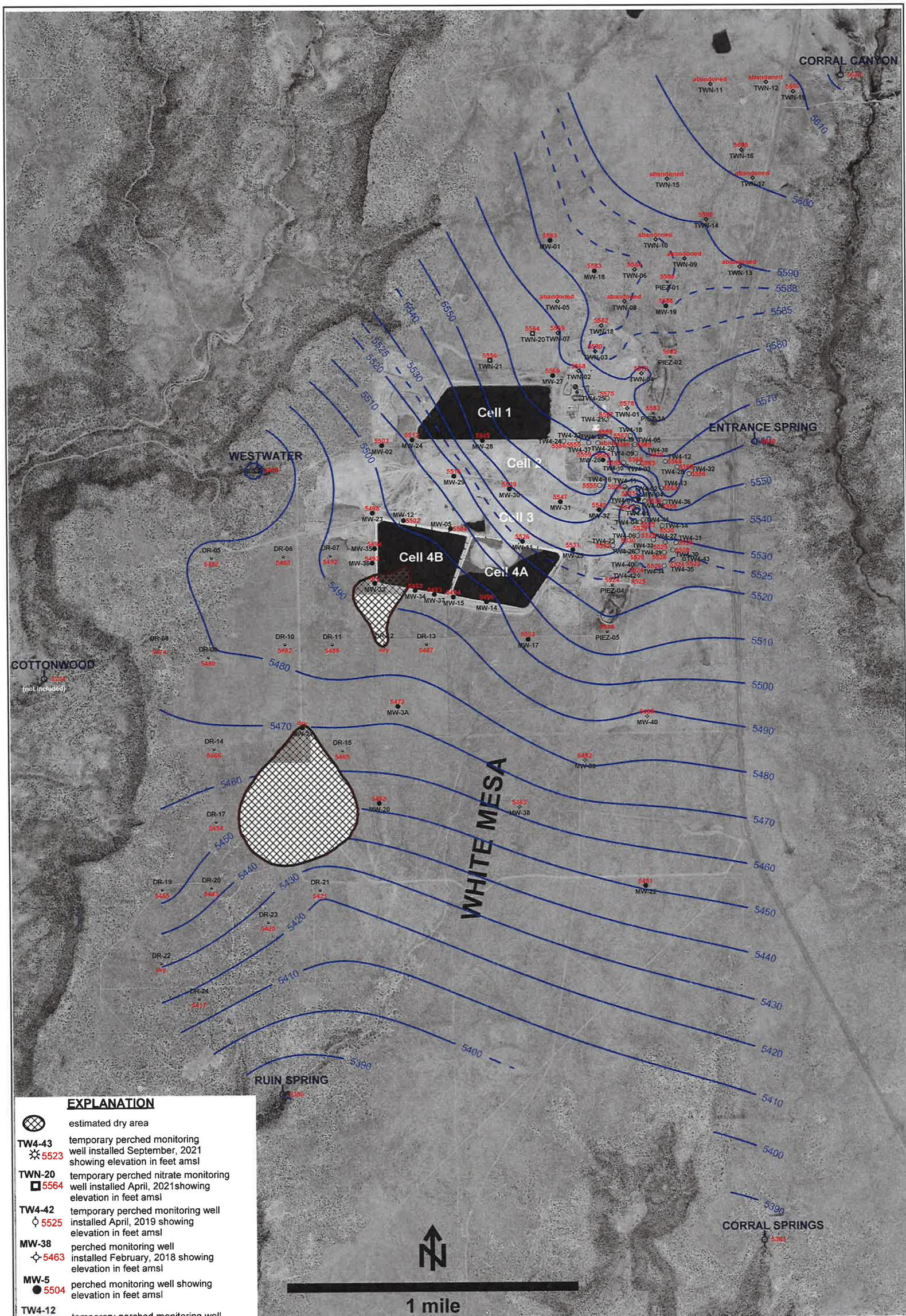
HYDRO GEO CHEM, INC.

KRIGED 3rd QUARTER, 2022 WATER LEVELS AND ESTIMATED CAPTURE ZONES WHITE MESA SITE (detail map)

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/nov22/WL/Uw0922cz.srf	D-3

Tab E

Kriged Previous Quarter Groundwater Contour Map



EXPLANATION

- estimated dry area
- **TW4-43** ☼ 5523 — temporary perched monitoring well installed September, 2021 showing elevation in feet amsl
- **TWN-20** □ 5564 — temporary perched nitrate monitoring well installed April, 2021showing elevation in feet amsl
- **TW4-42** ◊ 5525 — temporary perched monitoring well installed April, 2019 showing elevation in feet amsl
- **MW-38** ☼ 5463 — perched monitoring well installed February, 2018 showing elevation in feet amsl
- **MW-5** ● 5504 — perched monitoring well showing elevation in feet amsl
- **TW4-12** ○ 5568 — temporary perched monitoring well showing elevation in feet amsl
- **TWN-7** ◇ 5569 — temporary perched nitrate monitoring well showing elevation in feet amsl
- **PIEZ-1** ◒ 5588 — perched piezometer showing elevation in feet amsl
- **RUIN SPRING** 5380 — seep or spring showing elevation in feet amsl

NOTES: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-21, TW4-37, TW4-39, TW4-40 and TW4-41 are chloroform pumping wells; TW4-22, TW4-24, TW4-25 and TWN-2 are nitrate pumping wells; TW4-1, TW4-2 and TW4-11 water levels are below the base of the Burro Canyon Formation

HYDRO GEO CHEM, INC.

KRIGED 2nd QUARTER, 2022 WATER LEVELS WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/aug22/WL/Uwl0622.srf	E-1

Tab F

Depths to Groundwater and Elevations and Hydrographs of Groundwater Elevations over Time for Chloroform Monitoring Wells

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

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

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

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

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

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

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

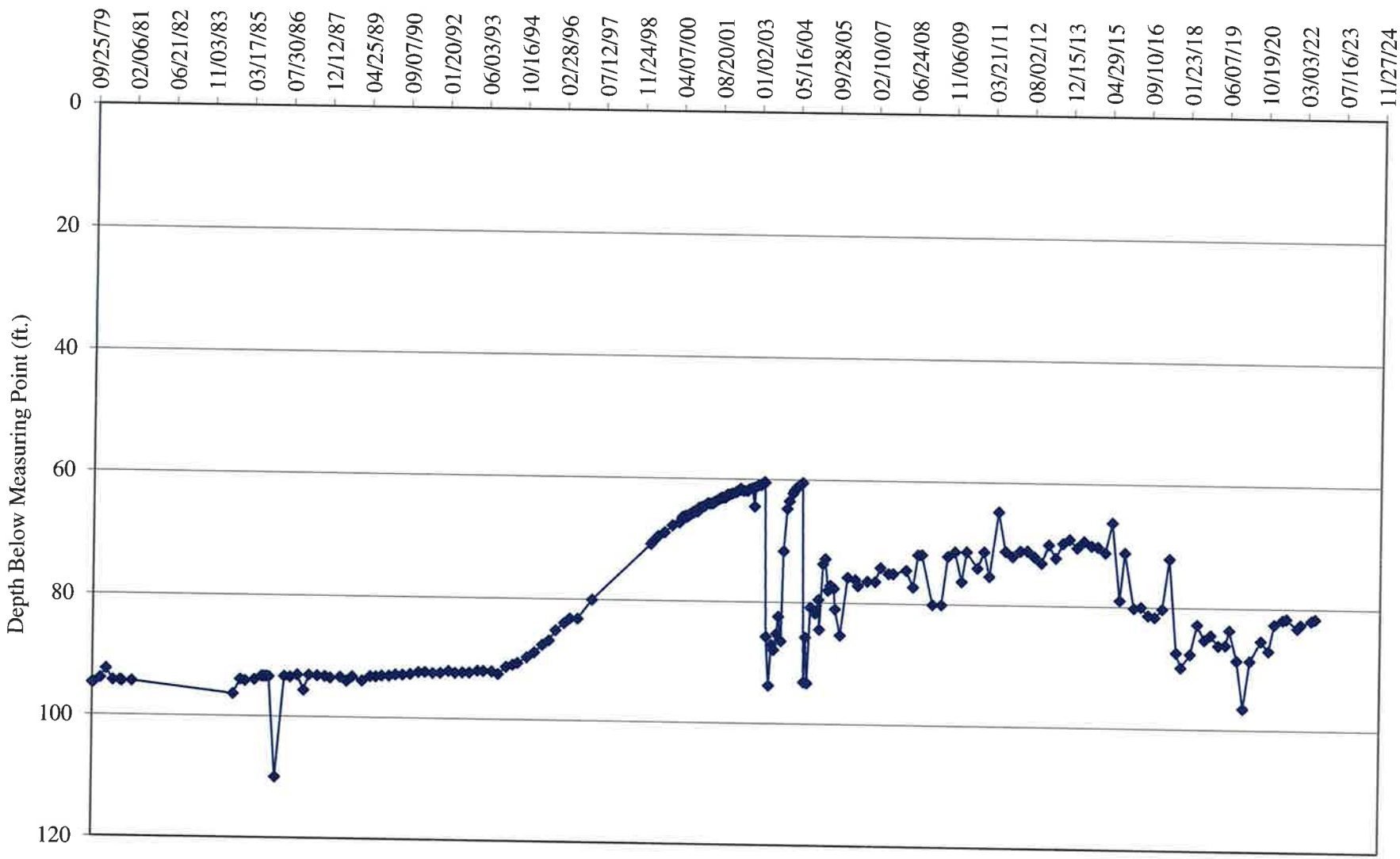
Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,620.77	5,622.33	1.56				123.6
5,550.70				12/03/03	71.63	70.07	
5,557.58				01/15/04	64.75	63.19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

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

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,620.77	5,622.33	1.56				123.6
5,547.00				02/28/11	75.33	73.77	
5,557.54				06/21/11	64.79	63.23	
5,551.14				09/20/11	71.19	69.63	
5,550.32				12/21/11	72.01	70.45	
5,551.22				03/27/12	71.11	69.55	
5,551.29				06/28/12	71.04	69.48	
5,550.29				09/27/12	72.04	70.48	
5,549.31				12/28/12	73.02	71.46	
5,552.30				03/28/13	70.03	68.47	
5,550.18				06/27/13	72.15	70.59	
5,552.55				09/27/13	69.78	68.22	
5,553.23				12/20/13	69.10	67.54	
5,551.91				03/27/14	70.42	68.86	
5,552.93				06/25/14	69.40	67.84	
5,552.23				09/25/14	70.10	68.54	
5,552.08				12/17/14	70.25	68.69	
5,551.13				03/26/15	71.20	69.64	
5,556.02				06/22/15	66.31	64.75	
5,543.38				09/30/15	78.95	77.39	
5,551.13				12/02/15	71.20	69.64	
5,542.10				03/30/16	80.23	78.67	
5,542.31				06/30/16	80.02	78.46	
5,540.96				09/29/16	81.37	79.81	
5,540.65				12/21/16	81.68	80.12	
5,542.05				03/30/17	80.28	78.72	
5,550.28				06/27/17	72.05	70.49	
5,534.84				09/28/17	87.49	85.93	
5,532.41				11/30/17	89.92	88.36	
5,534.64				03/28/18	87.69	86.13	
5,539.53				06/22/18	82.80	81.24	
5,537.04				09/24/18	85.29	83.73	
5,537.82				12/17/18	84.51	82.95	
5,536.10				03/25/19	86.23	84.67	
5,536.20				06/24/19	86.13	84.57	
5,538.67				08/12/19	83.66	82.10	
5,533.67				11/18/19	88.66	87.10	
5,525.79				02/10/20	96.54	94.98	
5,533.63				05/04/20	88.70	87.14	
5,536.94				09/21/20	85.39	83.83	
5,535.31				12/28/20	87.02	85.46	
5,539.70				03/11/21	82.63	81.07	
5,540.44				06/24/21	81.89	80.33	
5,540.65				08/13/21	81.68	80.12	

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

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,620.77	5,622.33	1.56				123.6
5,539.10				12/30/21	83.23	81.67	
5,539.70				02/10/22	82.63	81.07	
5,540.38				06/28/22	81.95	80.39	
5,540.67				08/15/22	81.66	80.10	


MW 4 Water Depth Over Time (ft. blmp)
Depth Below Measuring Point (ft.)
0
20
40
60
80
100
120
09/25/79
02/06/81
06/21/82
11/03/83
03/17/85
07/30/86
12/12/87
04/25/89
09/07/90
01/20/92
06/03/93
10/16/94
02/28/96
07/12/97
11/24/98
04/07/00
08/20/01
01/02/03
05/16/04
09/28/05
02/10/07
06/24/08
11/06/09
03/21/11
08/02/12
12/15/13
04/29/15
09/10/16
01/23/18
06/07/19
10/19/20
03/03/22
07/16/23
11/27/24

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

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
z	5,620.77	5,618.58	1.02				111.30
5,537.23				11/08/99	81.35	80.33	
5,537.38				11/09/99	81.20	80.18	
5,537.48				01/02/00	81.10	80.08	
5,537.48				01/10/00	81.10	80.08	
5,537.23				01/17/00	81.35	80.33	
5,537.28				01/24/00	81.30	80.28	
5,537.28				02/01/00	81.30	80.28	
5,537.18				02/07/00	81.40	80.38	
5,537.48				02/14/00	81.10	80.08	
5,537.48				02/23/00	81.10	80.08	
5,537.58				03/01/00	81.00	79.98	
5,537.68				03/08/00	80.90	79.88	
5,537.98				03/15/00	80.60	79.58	
5,537.68				03/20/00	80.90	79.88	
5,537.68				03/29/00	80.90	79.88	
5,537.43				04/04/00	81.15	80.13	
5,537.18				04/13/00	81.40	80.38	
5,537.48				04/21/00	81.10	80.08	
5,537.68				04/28/00	80.90	79.88	
5,537.58				05/01/00	81.00	79.98	
5,537.88				05/11/00	80.70	79.68	
5,537.58				05/15/00	81.00	79.98	
5,537.88				05/25/00	80.70	79.68	
5,537.88				06/09/00	80.70	79.68	
5,537.90				06/16/00	80.68	79.66	
5,537.88				06/26/00	80.70	79.68	
5,538.10				07/06/00	80.48	79.46	
5,538.04				07/13/00	80.54	79.52	
5,538.16				07/18/00	80.42	79.40	
5,538.42				07/27/00	80.16	79.14	
5,538.56				08/02/00	80.02	79.00	
5,538.68				08/09/00	79.90	78.88	
5,538.66				08/15/00	79.92	78.90	
5,538.33				08/31/00	80.25	79.23	
5,539.18				09/01/00	79.40	78.38	
5,539.12				09/08/00	79.46	78.44	
5,539.34				09/13/00	79.24	78.22	
5,539.50				09/20/00	79.08	78.06	
5,539.69				10/05/00	78.89	77.87	
5,540.33				11/09/00	78.25	77.23	
5,540.74				12/06/00	77.84	76.82	
5,542.39				01/14/01	76.19	75.17	
5,543.69				02/02/01	74.89	73.87	

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

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
z	5,620.77	5,618.58	1.02				111.30
5,544.96				03/29/01	73.62	72.60	
5,545.45				04/30/01	73.13	72.11	
5,545.89				05/31/01	72.69	71.67	
5,546.19				06/21/01	72.39	71.37	
5,546.50				07/10/01	72.08	71.06	
5,547.18				08/20/01	71.40	70.38	
5,547.59				09/19/01	70.99	69.97	
5,547.84				10/02/01	70.74	69.72	
5,548.12				11/08/01	70.46	69.44	
5,548.65				12/03/01	69.93	68.91	
5,548.87				01/03/02	69.71	68.69	
5,549.37				02/06/02	69.21	68.19	
5,550.00				03/26/02	68.58	67.56	
5,550.22				04/09/02	68.36	67.34	
5,550.81				05/23/02	67.77	66.75	
5,550.79				06/05/02	67.79	66.77	
5,551.08				07/08/02	67.50	66.48	
5,551.54				08/23/02	67.04	66.02	
5,551.79				09/11/02	66.79	65.77	
5,552.19				10/23/02	66.39	65.37	
5,552.27				11/22/02	66.31	65.29	
5,552.48				12/03/02	66.10	65.08	
5,552.74				01/09/03	65.84	64.82	
5,552.92				02/12/03	65.66	64.64	
5,553.40				03/26/03	65.18	64.16	
5,553.48				04/02/03	65.10	64.08	
5,552.32				05/01/03	66.26	65.24	
5,550.53				06/09/03	68.05	67.03	
5,550.09				07/07/03	68.49	67.47	
5,549.64				08/04/03	68.94	67.92	
5,549.31				09/11/03	69.27	68.25	
5,549.58				10/02/03	69.00	67.98	
5,549.50				11/07/03	69.08	68.06	
5,550.07				12/03/03	68.51	67.49	
5,551.86				01/15/04	66.72	65.70	
5,552.57				02/10/04	66.01	64.99	
5,553.63				03/28/04	64.95	63.93	
5,554.04				04/12/04	64.54	63.52	
5,554.60				05/13/04	63.98	62.96	
5,556.28				06/18/04	62.30	61.28	
5,556.61				07/28/04	61.97	60.95	
5,554.21				08/30/04	64.37	63.35	
5,553.49				09/16/04	65.09	64.07	

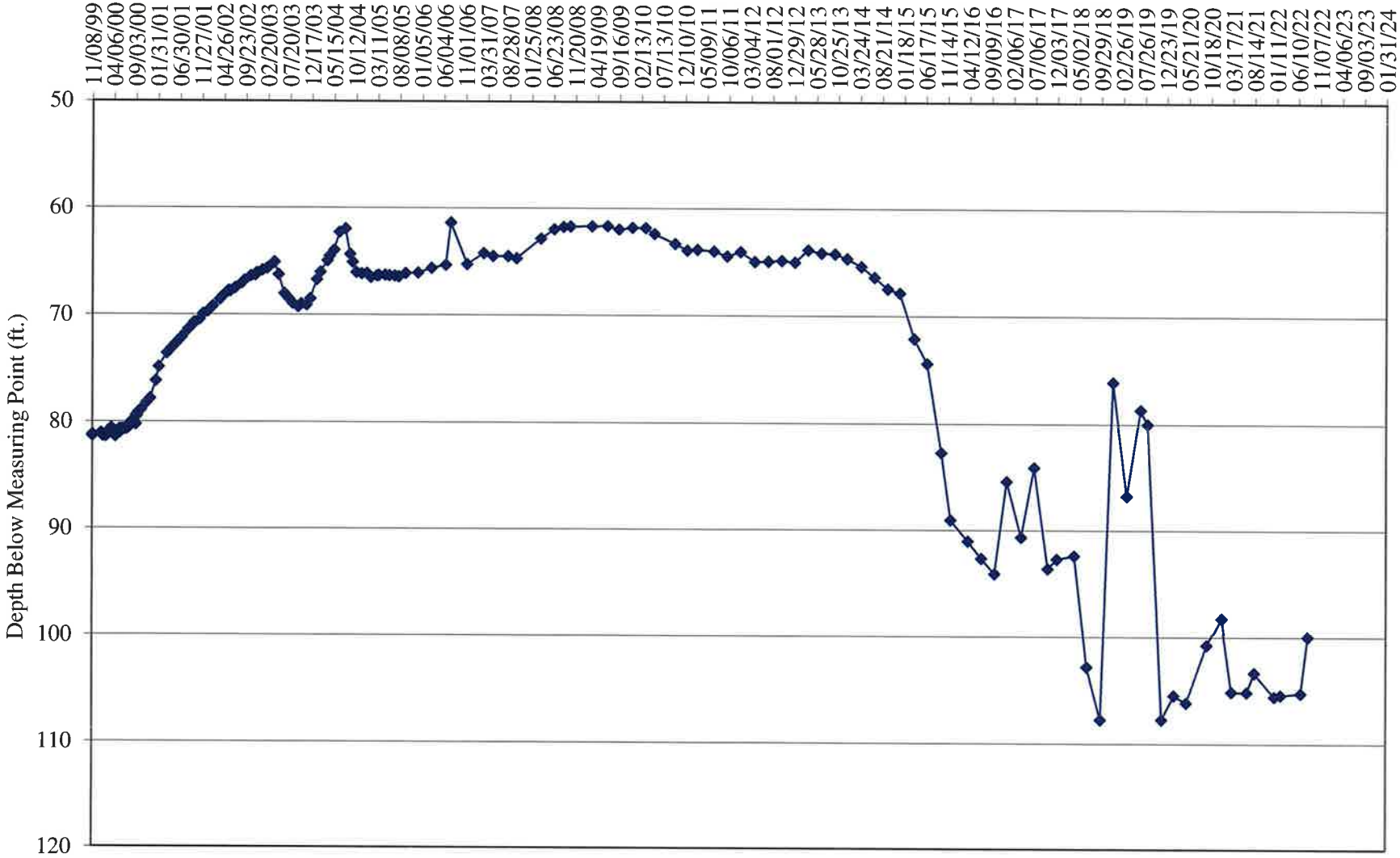
Water Levels and Data over Time
White Mesa Mill - Well TW4-1

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
z	5,620.77	5,618.58	1.02				111.30
5,552.53				10/11/04	66.05	65.03	
5,552.42				11/16/04	66.16	65.14	
5,552.46				12/22/04	66.12	65.10	
5,552.07				01/18/05	66.51	65.49	
5,552.21				02/28/05	66.37	65.35	
5,552.26				03/15/05	66.32	65.30	
5,552.30				04/26/05	66.28	65.26	
5,552.25				05/24/05	66.33	65.31	
5,552.22				06/30/05	66.36	65.34	
5,552.15				07/29/05	66.43	65.41	
5,552.47				09/12/05	66.11	65.09	
5,552.50				12/07/05	66.08	65.06	
5,552.96				03/08/06	65.62	64.60	
5,553.23				06/14/06	65.35	64.33	
5,557.20				07/18/06	61.38	60.36	
5,553.32				11/07/06	65.26	64.24	
5,554.35				02/27/07	64.23	63.21	
5,554.07				05/02/07	64.51	63.49	
5,554.07				08/14/07	64.51	63.49	
5,553.88				10/10/07	64.70	63.68	
5,555.73				03/26/08	62.85	61.83	
5,556.60				06/24/08	61.98	60.96	
5,556.83				08/26/08	61.75	60.73	
5,556.87				10/14/08	61.71	60.69	
5,556.90				03/10/09	61.68	60.66	
5,556.91				06/24/09	61.67	60.65	
5,556.61				09/10/09	61.97	60.95	
5,556.78				12/11/09	61.8	60.78	
5,556.75				03/11/10	61.83	60.81	
5,556.19				05/11/10	62.39	61.37	
5,555.26				09/29/10	63.32	62.30	
5,554.66				12/21/10	63.92	62.90	
5,554.74				02/28/11	63.84	62.82	
5,554.57				06/21/11	64.01	62.99	
5,554.13				09/20/11	64.45	63.43	
5,554.54				12/21/11	64.04	63.02	
5,553.64				03/27/12	64.94	63.92	
5,553.66				06/28/12	64.92	63.90	
5,553.73				09/27/12	64.85	63.83	
5,553.59				12/28/12	64.99	63.97	
5,554.73				03/28/13	63.85	62.83	
5,554.44				06/27/13	64.14	63.12	
5,554.37				09/27/13	64.21	63.19	

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

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
z	5,620.77	5,618.58	1.02				111.30
5,553.92				12/20/13	64.66	63.64	
5,553.20				03/27/14	65.38	64.36	
5,552.20				06/25/14	66.38	65.36	
5,551.13				09/25/14	67.45	66.43	
5,550.72				12/17/14	67.86	66.84	
5,546.50				03/26/15	72.08	71.06	
5,544.18				06/22/15	74.40	73.38	
5,535.85				09/30/15	82.73	81.71	
5,529.54				12/02/15	89.04	88.02	
5,527.55				03/30/16	91.03	90.01	
5,525.92				06/30/16	92.66	91.64	
5,524.48				09/29/16	94.10	93.08	
5,533.15				12/21/16	85.43	84.41	
5,527.92				03/30/17	90.66	89.64	
5,534.48				06/27/17	84.10	83.08	
5,524.98				09/28/17	93.60	92.58	
5,525.88				11/30/17	92.70	91.68	
5,526.18				03/28/18	92.40	91.38	
5,515.78				06/22/18	102.80	101.78	
5,510.83				09/24/18	107.75	106.73	
5,542.47				12/17/18	76.11	75.09	
5,531.82				03/25/19	86.76	85.74	
5,539.90				06/24/19	78.68	77.66	
5,538.56				08/12/19	80.02	79.00	
5,510.85				11/18/19	107.73	106.71	
5,513.12				02/10/20	105.46	104.44	
5,512.44				05/04/20	106.14	105.12	
5,517.82				09/21/20	100.76	99.74	
5,520.38				12/28/20	98.20	97.18	
5,513.47				03/11/21	105.11	104.09	
5,513.44				06/24/21	105.14	104.12	
5,515.25				08/13/21	103.33	102.31	
5,513.03				12/30/21	105.55	104.53	
5,513.17				02/10/22	105.41	104.39	
5,513.35				06/28/22	105.23	104.21	
5,518.60				08/15/22	99.98	98.96	

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



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

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,623.10	5,624.72	1.62				120.900
5,548.57				11/08/99	76.15	74.53	
5,548.57				11/09/99	76.15	74.53	
5,548.32				01/02/00	76.40	74.78	
5,548.52				01/10/00	76.20	74.58	
5,548.32				01/17/00	76.40	74.78	
5,548.72				01/24/00	76.00	74.38	
5,548.62				02/01/00	76.10	74.48	
5,548.62				02/07/00	76.10	74.48	
5,549.02				02/14/00	75.70	74.08	
5,549.12				02/23/00	75.60	73.98	
5,549.22				03/01/00	75.50	73.88	
5,549.32				03/08/00	75.40	73.78	
5,549.22				03/15/00	75.50	73.88	
5,549.92				03/20/00	74.80	73.18	
5,549.72				03/29/00	75.00	73.38	
5,549.42				04/04/00	75.30	73.68	
5,549.52				04/13/00	75.20	73.58	
5,549.72				04/21/00	75.00	73.38	
5,549.82				04/28/00	74.90	73.28	
5,549.82				05/01/00	74.90	73.28	
5,550.12				05/11/00	74.60	72.98	
5,549.82				05/15/00	74.90	73.28	
5,550.12				05/25/00	74.60	72.98	
5,550.12				06/09/00	74.60	72.98	
5,550.22				06/16/00	74.50	72.88	
5,550.07				06/26/00	74.65	73.03	
5,550.17				07/06/00	74.55	72.93	
5,550.17				07/13/00	74.55	72.93	
5,550.18				07/18/00	74.54	72.92	
5,550.33				07/27/00	74.39	72.77	
5,550.38				08/02/00	74.34	72.72	
5,550.40				08/09/00	74.32	72.70	
5,550.42				08/15/00	74.30	72.68	
5,550.54				08/31/00	74.18	72.56	
5,550.87				09/08/00	73.85	72.23	
5,550.97				09/13/00	73.75	72.13	
5,551.04				09/20/00	73.68	72.06	
5,545.83				10/05/00	78.89	77.27	
5,546.47				11/09/00	78.25	76.63	
5,546.88				12/06/00	77.84	76.22	
5,552.18				01/26/01	72.54	70.92	
5,552.20				02/02/01	72.52	70.90	
5,551.10				03/29/01	73.62	72.00	

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

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,623.10	5,624.72	1.62				120.900
5,551.59				04/30/01	73.13	71.51	
5,552.03				05/31/01	72.69	71.07	
5,552.33				06/21/01	72.39	70.77	
5,552.64				07/10/01	72.08	70.46	
5,553.32				08/20/01	71.40	69.78	
5,553.73				09/19/01	70.99	69.37	
5,553.98				10/02/01	70.74	69.12	
5,554.14				11/08/01	70.58	68.96	
5,554.79				12/03/01	69.93	68.31	
5,554.74				01/03/02	69.98	68.36	
5,554.91				02/06/02	69.81	68.19	
5,555.15				03/26/02	69.57	67.95	
5,555.39				04/09/02	69.33	67.71	
5,555.73				05/23/02	68.99	67.37	
5,555.79				06/05/02	68.93	67.31	
5,555.91				07/08/02	68.81	67.19	
5,556.04				08/23/02	68.68	67.06	
5,556.25				09/11/02	68.47	66.85	
5,556.72				10/23/02	68.00	66.38	
5,556.42				11/22/02	68.30	66.68	
5,557.01				12/03/02	67.71	66.09	
5,557.20				01/09/03	67.52	65.90	
5,557.35				02/12/03	67.37	65.75	
5,557.83				03/26/03	66.89	65.27	
5,557.87				04/02/03	66.85	65.23	
5,553.71				05/01/03	71.01	69.39	
5,548.98				06/09/03	75.74	74.12	
5,548.14				07/07/03	76.58	74.96	
5,547.75				08/04/03	76.97	75.35	
5,547.22				09/11/03	77.50	75.88	
5,547.68				10/02/03	77.04	75.42	
5,547.52				11/07/03	77.20	75.58	
5,548.29				12/03/03	76.43	74.81	
5,554.00				01/15/04	70.72	69.10	
5,555.46				02/10/04	69.26	67.64	
5,556.90				03/28/04	67.82	66.20	
5,557.49				04/12/04	67.23	65.61	
5,558.07				05/13/04	66.65	65.03	
5,558.19				06/18/04	66.53	64.91	
5,559.00				07/28/04	65.72	64.10	
5,554.26				08/30/04	70.46	68.84	
5,551.97				09/16/04	72.75	71.13	
5,549.65				10/11/04	75.07	73.45	

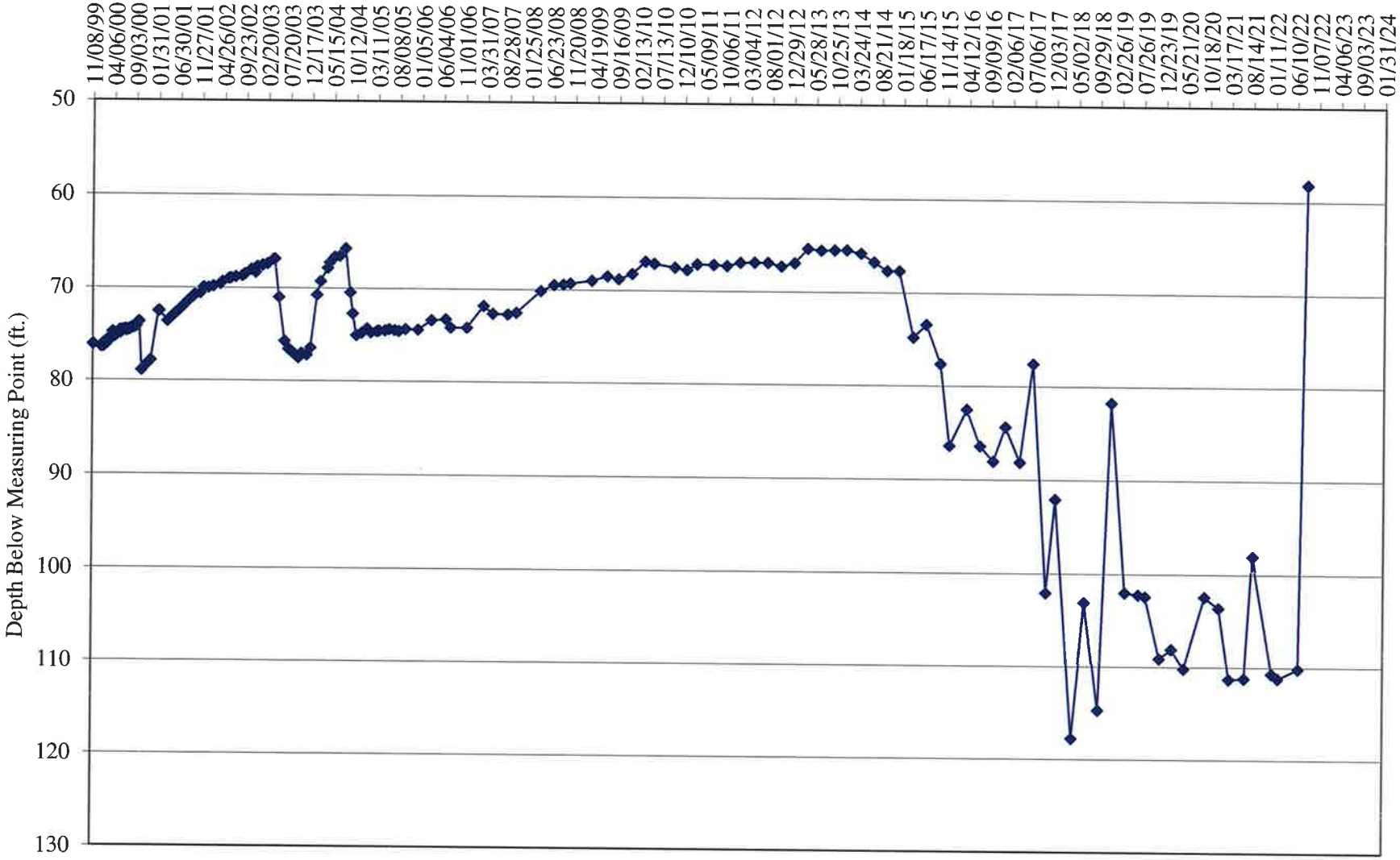
Water Levels and Data over Time
White Mesa Mill - Well TW4-2

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,623.10	5,624.72	1.62				120.900
5,549.89				11/16/04	74.83	73.21	
5,550.37				12/22/04	74.35	72.73	
5,549.95				01/18/05	74.77	73.15	
5,550.09				02/28/05	74.63	73.01	
5,550.13				03/15/05	74.59	72.97	
5,550.18				04/26/05	74.54	72.92	
5,550.32				05/24/05	74.40	72.78	
5,550.21				06/30/05	74.51	72.89	
5,550.11				07/29/05	74.61	72.99	
5,550.33				09/12/05	74.39	72.77	
5,550.29				12/07/05	74.43	72.81	
5,551.30				03/08/06	73.42	71.80	
5,551.42				06/14/06	73.30	71.68	
5,550.52				07/18/06	74.20	72.58	
5550.52				11/07/06	74.20	72.58	
5552.89				02/27/07	71.83	70.21	
5,552.06				05/02/07	72.66	71.04	
5,552.02				08/14/07	72.70	71.08	
5,552.20				10/10/07	72.52	70.90	
5,554.58				03/26/08	70.14	68.52	
5,555.23				06/24/08	69.49	67.87	
5,555.29				08/26/08	69.43	67.81	
5,555.43				10/14/08	69.29	67.67	
5,555.73				03/10/09	68.99	67.37	
5,556.25				06/24/09	68.47	66.85	
5,555.94				09/10/09	68.78	67.16	
5,556.53				12/11/09	68.19	66.57	
5,557.87				03/11/10	66.85	65.23	
5,557.63				05/11/10	67.09	65.47	
5,557.24				09/29/10	67.48	65.86	
5,557.00				12/21/10	67.72	66.10	
5,557.61				02/28/11	67.11	65.49	
5,557.58				06/21/11	67.14	65.52	
5,557.46				09/20/11	67.26	65.64	
5,557.84				12/21/11	66.88	65.26	
5,557.86				03/27/12	66.86	65.24	
5,557.87				06/28/12	66.85	65.23	
5,557.46				09/27/12	67.26	65.64	
5,557.82				12/28/12	66.90	65.28	
5,559.39				03/28/13	65.33	63.71	
5,559.21				06/27/13	65.51	63.89	
5,559.26				09/27/13	65.46	63.84	
5,559.27				12/20/13	65.45	63.83	

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

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,623.10	5,624.72	1.62				120.900
5,558.92				03/27/14	65.80	64.18	
5,557.99				06/25/14	66.73	65.11	
5,557.09				09/25/14	67.63	66.01	
5,557.07				12/17/14	67.65	66.03	
5,549.93				03/26/15	74.79	73.17	
5,551.30				06/22/15	73.42	71.80	
5,547.12				09/30/15	77.60	75.98	
5,538.34				12/02/15	86.38	84.76	
5,542.22				03/30/16	82.50	80.88	
5,538.31				06/30/16	86.41	84.79	
5,536.70				09/29/16	88.02	86.40	
5,540.40				12/21/16	84.32	82.70	
5,536.61				03/30/17	88.11	86.49	
5,547.16				06/27/17	77.56	75.94	
5,522.65				09/28/17	102.07	100.45	
5,532.64				11/30/17	92.08	90.46	
5,506.94				03/28/18	117.78	116.16	
5,521.60				06/22/18	103.12	101.50	
5,510.01				09/24/18	114.71	113.09	
5,543.01				12/17/18	81.71	80.09	
5,522.70				03/25/19	102.02	100.40	
5,522.49				06/24/19	102.23	100.61	
5,522.29				08/12/19	102.43	100.81	
5,515.62				11/18/19	109.10	107.48	
5,516.60				02/10/20	108.12	106.5	
5,514.51				05/04/20	110.21	108.59	
5,522.29				09/21/20	102.43	100.81	
5,521.08				12/28/20	103.64	102.02	
5,513.42				03/11/21	111.30	109.68	
5,513.51				06/24/21	111.21	109.59	
5,526.62				08/13/21	98.10	96.48	
5,514.01				12/30/21	110.71	109.09	
5,513.52				02/10/22	111.20	109.58	
5,514.54				06/28/22	110.18	108.56	
5566.52				08/15/22	58.20	56.58	

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



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

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,631.21	5,632.23	1.02				140.30
5,565.78				11/29/99	66.45	65.43	
5,566.93				01/02/00	65.30	64.28	
5,567.03				01/10/00	65.20	64.18	
5,566.83				01/17/00	65.40	64.38	
5,567.13				01/24/00	65.10	64.08	
5,567.33				02/01/00	64.90	63.88	
5,567.13				02/07/00	65.10	64.08	
5,567.43				02/14/00	64.80	63.78	
5,567.63				02/23/00	64.60	63.58	
5,567.73				03/01/00	64.50	63.48	
5,567.83				03/08/00	64.40	63.38	
5,567.70				03/15/00	64.53	63.51	
5,568.03				03/20/00	64.20	63.18	
5,567.93				03/29/00	64.30	63.28	
5,567.63				04/04/00	64.60	63.58	
5,567.83				04/13/00	64.40	63.38	
5,568.03				04/21/00	64.20	63.18	
5,568.23				04/28/00	64.00	62.98	
5,568.13				05/01/00	64.10	63.08	
5,568.53				05/11/00	63.70	62.68	
5,568.23				05/15/00	64.00	62.98	
5,568.53				05/25/00	63.70	62.68	
5,568.61				06/09/00	63.62	62.60	
5,568.69				06/16/00	63.54	62.52	
5,568.45				06/26/00	63.78	62.76	
5,568.61				07/06/00	63.62	62.60	
5,568.61				07/06/00	63.62	62.60	
5,568.49				07/13/00	63.74	62.72	
5,568.55				07/18/00	63.68	62.66	
5,568.65				07/27/00	63.58	62.56	
5,568.73				08/02/00	63.50	62.48	
5,568.77				08/09/00	63.46	62.44	
5,568.76				08/16/00	63.47	62.45	
5,568.95				08/31/00	63.28	62.26	
5,568.49				09/08/00	63.74	62.72	
5,568.67				09/13/00	63.56	62.54	
5,568.96				09/20/00	63.27	62.25	
5,568.93				10/05/00	63.30	62.28	
5,569.34				11/09/00	62.89	61.87	
5,568.79				12/06/00	63.44	62.42	
5,569.11				01/03/01	63.12	62.10	
5,569.75				02/09/01	62.48	61.46	
5,570.34				03/28/01	61.89	60.87	

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

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,631.21	5,632.23	1.02				140.30
5,570.61				04/30/01	61.62	60.60	
5,570.70				05/31/01	61.53	60.51	
5,570.88				06/21/01	61.35	60.33	
5,571.02				07/10/01	61.21	60.19	
5,571.70				08/20/01	60.53	59.51	
5,572.12				09/19/01	60.11	59.09	
5,572.08				10/02/01	60.15	59.13	
5,572.78				11/08/01	59.45	58.43	
5,573.27				12/03/01	58.96	57.94	
5,573.47				01/03/02	58.76	57.74	
5,573.93				02/06/02	58.30	57.28	
5,574.75				03/26/02	57.48	56.46	
5,574.26				04/09/02	57.97	56.95	
5,575.39				05/23/02	56.84	55.82	
5,574.84				06/05/02	57.39	56.37	
5,575.33				07/08/02	56.90	55.88	
5,575.79				08/23/02	56.44	55.42	
5,576.08				09/11/02	56.15	55.13	
5,576.30				10/23/02	55.93	54.91	
5,576.35				11/22/02	55.88	54.86	
5,576.54				12/03/02	55.69	54.67	
5,576.96				01/09/03	55.27	54.25	
5,577.11				02/12/03	55.12	54.10	
5,577.61				03/26/03	54.62	53.60	
5,572.80				04/02/03	59.43	58.41	
5,577.89				05/01/03	54.34	53.32	
5,577.91				06/09/03	54.32	53.30	
5,577.53				07/07/03	54.70	53.68	
5,577.50				08/04/03	54.73	53.71	
5,577.71				09/11/03	54.52	53.50	
5,577.31				10/02/03	54.92	53.90	
5,577.33				11/07/03	54.90	53.88	
5,577.34				12/03/03	54.89	53.87	
5,578.24				01/15/04	53.99	52.97	
5,578.38				02/10/04	53.85	52.83	
5,578.69				03/28/04	53.54	52.52	
5,579.15				04/12/04	53.08	52.06	
5,579.47				05/13/04	52.76	51.74	
5,579.53				06/18/04	52.70	51.68	
5,580.17				07/28/04	52.06	51.04	
5,580.20				08/30/04	52.03	51.01	
5,580.26				09/16/04	51.97	50.95	
5,580.12				10/11/04	52.11	51.09	

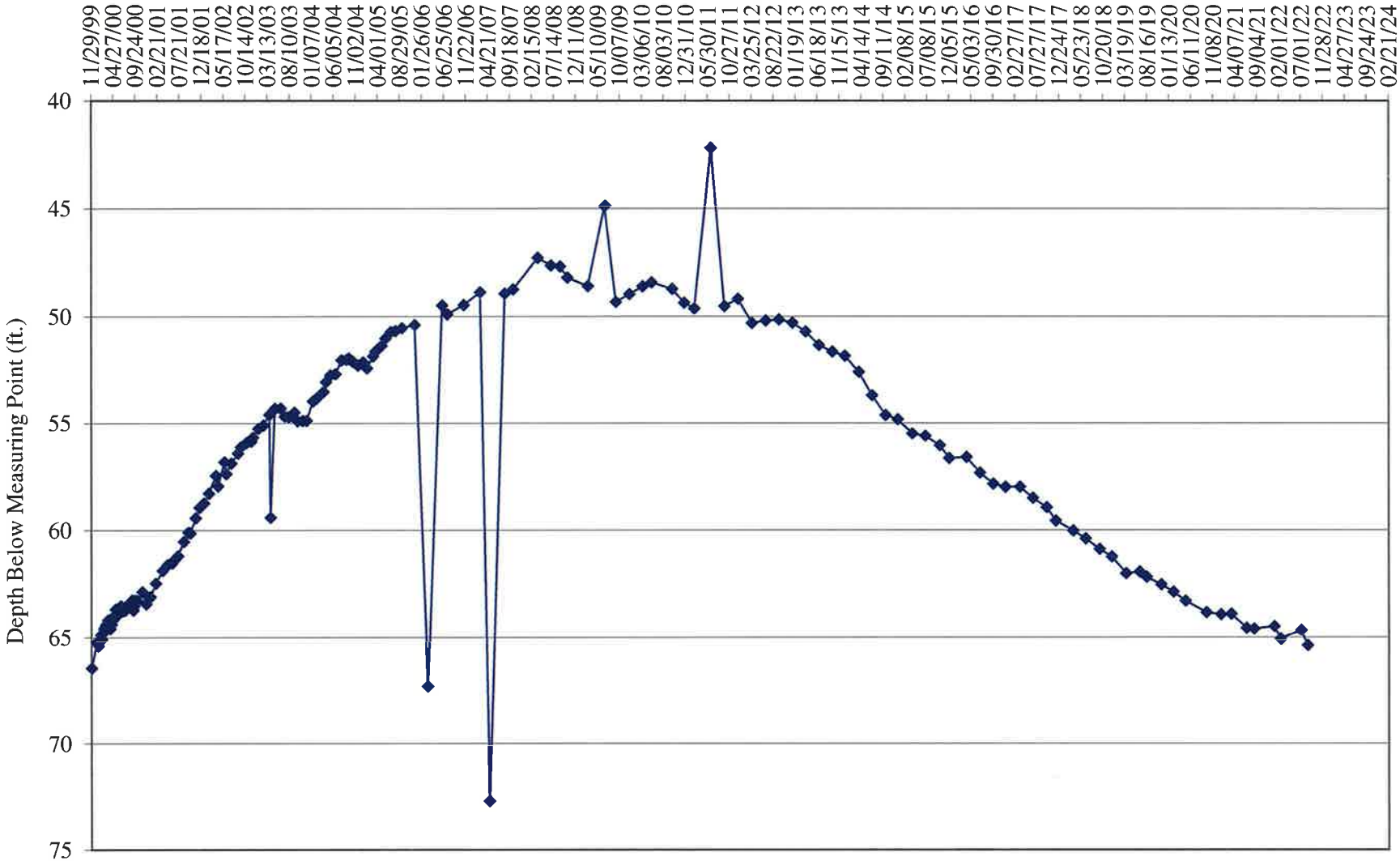
Water Levels and Data over Time
White Mesa Mill - Well TW4-3

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,631.21	5,632.23	1.02				140.30
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	50.40	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	48.20	47.18	
5,583.64				03/03/09	48.59	47.57	
5,587.34				06/24/09	44.89	43.87	
5,582.90				09/10/09	49.33	48.31	
5,583.27				12/11/09	48.96	47.94	
5,583.63				03/11/10	48.60	47.58	
5,583.82				05/11/10	48.41	47.39	
5,583.51				09/29/10	48.72	47.70	
5,582.86				12/21/10	49.37	48.35	
5,582.60				02/28/11	49.63	48.61	
5,590.00				06/21/11	42.23	41.21	
5,582.70				09/20/11	49.53	48.51	
5,583.05				12/21/11	49.18	48.16	
5,581.93				03/27/12	50.30	49.28	
5,582.03				06/28/12	50.20	49.18	
5,582.08				09/27/12	50.15	49.13	
5,581.94				12/28/12	50.29	49.27	
5,581.52				03/28/13	50.71	49.69	
5,580.88				06/27/13	51.35	50.33	
5,580.58				09/27/13	51.65	50.63	
5,580.38				12/20/13	51.85	50.83	

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

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,631.21	5,632.23	1.02				140.30
5,579.62				03/27/14	52.61	51.59	
5,578.52				06/25/14	53.71	52.69	
5,577.59				09/25/14	54.64	53.62	
5,577.40				12/17/14	54.83	53.81	
5,576.73				03/26/15	55.50	54.48	
5,576.62				06/22/15	55.61	54.59	
5,576.16				09/30/15	56.07	55.05	
5,575.57				12/02/15	56.66	55.64	
5,575.62				03/30/16	56.61	55.59	
5,574.89				06/30/16	57.34	56.32	
5,574.37				09/29/16	57.86	56.84	
5,574.23				12/21/16	58.00	56.98	
5,574.23				03/30/17	58.00	56.98	
5,573.72				06/27/17	58.51	57.49	
5,573.28				09/28/17	58.95	57.93	
5,572.66				11/30/17	59.57	58.55	
5,572.19				03/28/18	60.04	59.02	
5,571.83				06/22/18	60.40	59.38	
5,571.34				09/25/18	60.89	59.87	
5,570.99				12/17/18	61.24	60.22	
5,570.21				03/25/19	62.02	61.00	
5,570.28				06/24/19	61.95	60.93	
5,570.04				08/12/19	62.19	61.17	
5,569.68				11/18/19	62.55	61.53	
5,569.35				02/10/20	62.88	61.86	
5,568.92				05/04/20	63.31	62.29	
5,568.38				09/22/20	63.85	62.83	
5,568.28				12/30/20	63.95	62.93	
5,568.31				03/11/21	63.92	62.90	
5,567.65				06/24/21	64.58	63.56	
5,567.61				08/13/21	64.62	63.60	
5,567.72				12/30/21	64.51	63.49	
5,567.15				02/10/22	65.08	64.06	
5,567.57				06/28/22	64.66	63.64	
5,566.83				08/15/22	65.40	64.38	

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



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

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,612.301	5,613.485	1.184				114.5
5,512.15				05/25/00	101.34	100.16	
5,518.99				06/09/00	94.50	93.32	
5,512.15				06/16/00	101.34	100.16	
5,517.47				06/26/00	96.02	94.84	
5,520.15				07/06/00	93.34	92.16	
5,521.44				07/13/00	92.05	90.87	
5,522.01				07/18/00	91.48	90.30	
5,522.95				07/27/00	90.54	89.36	
5,523.49				08/02/00	90.00	88.82	
5,523.85				08/09/00	89.64	88.46	
5,523.89				08/15/00	89.60	88.42	
5,524.56				09/01/00	88.93	87.75	
5,513.24				09/08/00	100.25	99.07	
5,516.67				09/13/00	96.82	95.64	
5,519.09				09/20/00	94.40	93.22	
5,522.17				10/05/00	91.32	90.14	
5,524.67				11/09/00	88.82	87.64	
5,518.55				12/06/00	94.94	93.76	
5,527.70				01/03/01	85.79	84.61	
5,529.09				02/09/01	84.40	83.22	
5,529.54				03/27/01	83.95	82.77	
5,530.24				04/30/01	83.25	82.07	
5,530.27				05/31/01	83.22	82.04	
5,534.41				06/22/01	79.08	77.90	
5,533.15				07/10/01	80.34	79.16	
5,534.04				08/20/01	79.45	78.27	
5,534.47				09/19/01	79.02	77.84	
5,533.29				10/02/01	80.20	79.02	
5,533.87				11/08/01	79.62	78.44	
5,534.28				12/03/01	79.21	78.03	
5,534.72				01/03/02	78.77	77.59	
5,535.44				02/06/02	78.05	76.87	
5,536.45				03/26/02	77.04	75.86	
5,536.41				04/09/02	77.08	75.90	
5,537.34				05/23/02	76.15	74.97	
5,537.33				06/05/02	76.16	74.98	
5,537.98				07/08/02	75.51	74.33	
5,538.83				08/23/02	74.66	73.48	
5,539.28				09/11/02	74.21	73.03	
5,539.77				10/23/02	73.72	72.54	
5,540.21				11/22/02	73.28	72.10	
5,540.30				12/03/02	73.19	72.01	
5,540.80				01/09/03	72.69	71.51	

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

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,612.301	5,613.485	1.184				114.5
5,540.99				02/12/03	72.50	71.32	
5,541.68				03/26/03	71.81	70.63	
5,541.77				04/02/03	71.72	70.54	
5,541.89				05/01/03	71.60	70.42	
5,542.03				06/09/03	71.46	70.28	
5,541.93				07/07/03	71.56	70.38	
5,541.89				08/04/03	71.60	70.42	
5,541.83				09/11/03	71.66	70.48	
5,541.89				10/02/03	71.60	70.42	
5,542.00				11/07/03	71.49	70.31	
5,542.01				12/03/03	71.48	70.30	
5,542.56				01/15/04	70.93	69.75	
5,542.71				02/10/04	70.78	69.60	
5,543.23				03/28/04	70.26	69.08	
5,543.56				04/12/04	69.93	68.75	
5,543.87				05/13/04	69.62	68.44	
5,543.92				06/18/04	69.57	68.39	
5,544.66				07/28/04	68.83	67.65	
5,544.80				08/30/04	68.69	67.51	
5,544.85				09/16/04	68.64	67.46	
5,544.71				10/11/04	68.78	67.60	
5,544.53				11/16/04	68.96	67.78	
5,544.63				12/22/04	68.86	67.68	
5,544.31				01/18/05	69.18	68.00	
5,544.59				02/28/05	68.90	67.72	
5,544.69				03/15/05	68.80	67.62	
5,544.68				04/26/05	68.81	67.63	
5,544.79				05/24/05	68.70	67.52	
5,544.80				06/30/05	68.69	67.51	
5,544.78				07/29/05	68.71	67.53	
5,545.01				09/12/05	68.48	67.30	
5,545.23				12/07/05	68.26	67.08	
5,545.74				03/08/06	67.75	66.57	
5,545.79				06/14/06	67.70	66.52	
5,545.86				07/18/06	67.63	66.45	
5,545.81				11/07/06	67.68	66.50	
5,546.68				02/27/07	66.81	65.63	
5,546.54				05/02/07	66.95	65.77	
5,547.16				08/15/07	66.33	65.15	
5,547.22				10/10/07	66.27	65.09	
5,548.31				03/26/08	65.18	64.00	
5,548.87				06/24/08	64.62	63.44	
5,549.24				08/26/08	64.25	63.07	

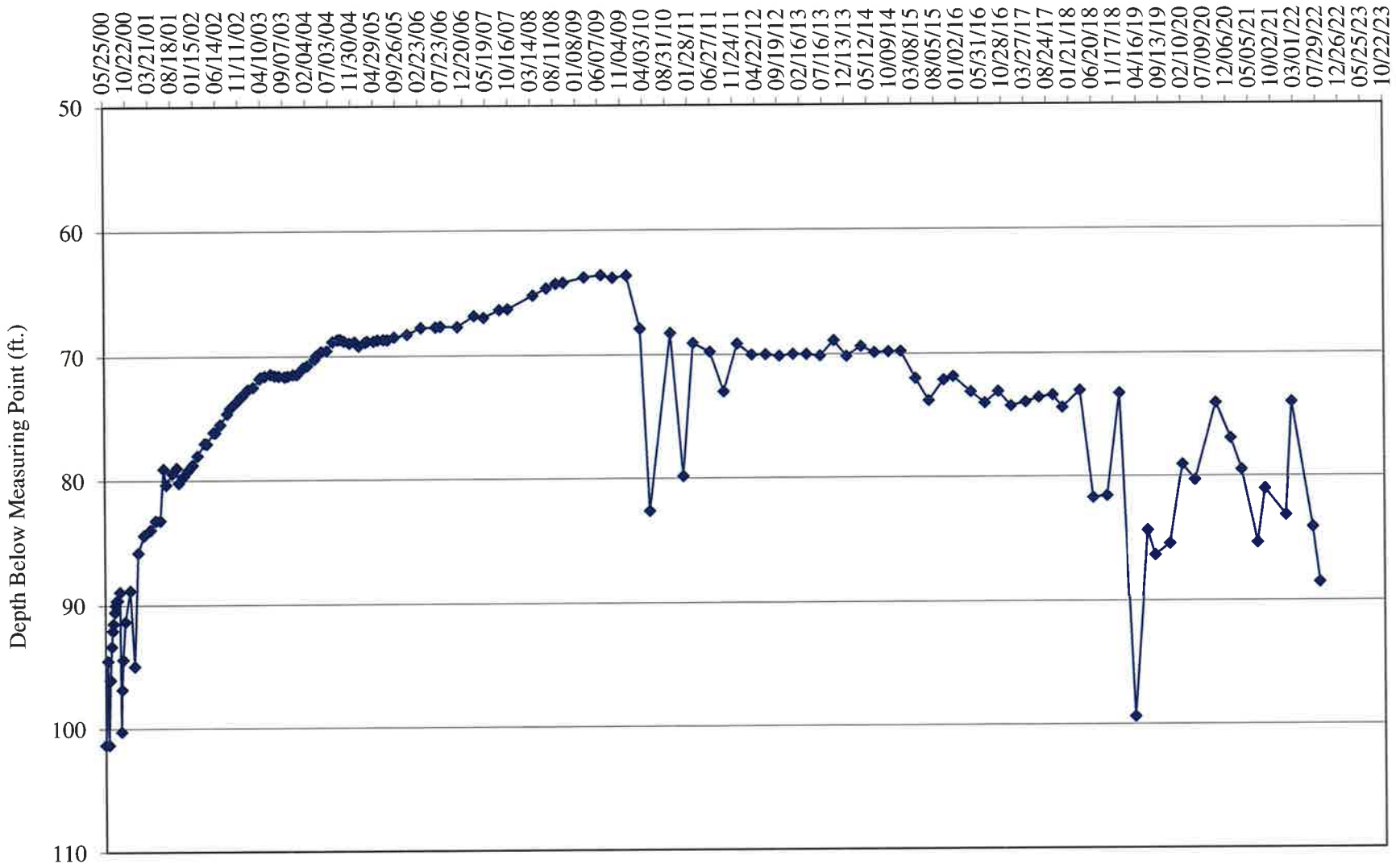
Water Levels and Data over Time
White Mesa Mill - Well TW4-4

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,612.301	5,613.485	1.184				114.5
5,549.31				10/14/08	64.18	63.00	
5,549.73				03/03/09	63.76	62.58	
5,549.91				06/24/09	63.58	62.40	
5,549.70				09/10/09	63.79	62.61	
5,549.87				12/11/09	63.62	62.44	
5,545.60				03/11/10	67.89	66.71	
5,530.88				05/11/10	82.61	81.43	
5,545.24				09/29/10	68.25	67.07	
5,533.66				12/21/10	79.83	78.65	
5,544.44				02/28/11	69.05	67.87	
5,543.73				06/21/11	69.76	68.58	
5,540.48				09/20/11	73.01	71.83	
5,544.36				12/21/11	69.13	67.95	
5,543.48				03/27/12	70.01	68.83	
5,543.49				06/28/12	70.00	68.82	
5,543.36				09/27/12	70.13	68.95	
5,543.51				12/28/12	69.98	68.80	
5,543.49				03/28/13	70.00	68.82	
5,543.36				06/27/13	70.13	68.95	
5,544.59				09/27/13	68.90	67.72	
5,543.33				12/20/13	70.16	68.98	
5,544.11				03/27/14	69.38	68.20	
5,543.61				06/25/14	69.88	68.70	
5,543.67				09/25/14	69.82	68.64	
5,543.69				12/17/14	69.80	68.62	
5,541.49				03/26/15	72.00	70.82	
5,539.67				06/22/15	73.82	72.64	
5,541.35				09/30/15	72.14	70.96	
5,541.63				12/02/15	71.86	70.68	
5,540.38				03/30/16	73.11	71.93	
5,539.46				06/30/16	74.03	72.85	
5,540.39				09/29/16	73.10	71.92	
5,539.21				12/21/16	74.28	73.10	
5,539.53				03/30/17	73.96	72.78	
5,539.89				06/27/17	73.60	72.42	
5,540.09				09/28/17	73.40	72.22	
5,539.07				11/30/17	74.42	73.24	
5,540.45				03/28/18	73.04	71.86	
5,531.79				06/22/18	81.70	80.52	
5,531.94				09/24/18	81.55	80.37	
5,540.22				12/17/18	73.27	72.09	
5,514.10				03/25/19	99.39	98.21	
5,529.11				06/24/19	84.38	83.20	

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

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,612.301	5,613.485	1.184				114.5
5,527.15				08/12/19	86.34	85.16	
5,528.08				11/18/19	85.41	84.23	
5,534.40				02/10/20	79.09	77.91	
5,533.16				05/04/20	80.33	79.15	
5,539.39				09/21/20	74.10	72.92	
5,536.54				12/28/20	76.95	75.77	
5,533.98				03/11/21	79.51	78.33	
5,528.14				06/24/21	85.35	84.17	
5,532.43				08/13/21	81.06	79.88	
5,530.32				12/30/21	83.17	81.99	
5,539.46				02/10/22	74.03	72.85	
5,529.37				06/28/22	84.12	82.94	
5,524.97				08/15/22	88.52	87.34	

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



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

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,638.75	5,640.70	1.95				121.85
5,579.30				01/02/00	61.40	59.45	
5,579.60				01/10/00	61.10	59.15	
5,579.35				01/17/00	61.35	59.40	
5,579.60				01/24/00	61.10	59.15	
5,579.50				02/01/00	61.20	59.25	
5,579.50				02/07/00	61.20	59.25	
5,579.90				02/14/00	60.80	58.85	
5,579.90				02/23/00	60.80	58.85	
5,580.20				03/01/00	60.50	58.55	
5,580.00				03/08/00	60.70	58.75	
5,580.04				03/15/00	60.66	58.71	
5,580.70				03/20/00	60.00	58.05	
5,580.30				03/29/00	60.40	58.45	
5,580.00				04/04/00	60.70	58.75	
5,580.20				04/13/00	60.50	58.55	
5,580.40				04/21/00	60.30	58.35	
5,580.50				04/28/00	60.20	58.25	
5,580.50				05/01/00	60.20	58.25	
5,580.90				05/11/00	59.80	57.85	
5,580.50				05/15/00	60.20	58.25	
5,580.75				05/25/00	59.95	58.00	
5,580.80				06/09/00	59.90	57.95	
5,580.92				06/16/00	59.78	57.83	
5,580.80				06/26/00	59.90	57.95	
5,580.90				07/06/00	59.80	57.85	
5,581.05				07/13/00	59.65	57.70	
5,580.90				07/18/00	59.80	57.85	
5,581.05				07/27/00	59.65	57.70	
5,581.06				08/02/00	59.64	57.69	
5,581.08				08/09/00	59.62	57.67	
5,581.07				08/16/00	59.63	57.68	
5,581.25				08/31/00	59.45	57.50	
5,581.32				09/08/00	59.38	57.43	
5,581.34				09/13/00	59.36	57.41	
5,581.41				09/20/00	59.29	57.34	
5,581.37				10/05/00	59.33	57.38	
5,581.66				11/09/00	59.04	57.09	
5,581.63				12/06/00	59.07	57.12	
5,581.92				01/03/01	58.78	56.83	
5,582.20				02/09/01	58.50	56.55	
5,582.54				03/28/01	58.16	56.21	
5,582.72				04/30/01	57.98	56.03	
5,582.72				05/31/01	57.98	56.03	
5,582.81				06/22/01	57.89	55.94	
5,582.92				07/10/01	57.78	55.83	
5,583.17				08/20/01	57.53	55.58	

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

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,638.75	5,640.70	1.95				121.85
5,583.28				09/19/01	57.42	55.47	
5,583.36				10/02/01	57.34	55.39	
5,583.49				11/08/01	57.21	55.26	
5,583.84				12/03/01	56.86	54.91	
5,583.79				01/03/02	56.91	54.96	
5,583.96				02/06/02	56.74	54.79	
5,584.39				03/26/02	56.31	54.36	
5,584.12				04/09/02	56.58	54.63	
5,584.55				05/23/02	56.15	54.20	
5,584.42				06/05/02	56.28	54.33	
5,583.65				07/08/02	57.05	55.10	
5,584.90				08/23/02	55.80	53.85	
5,585.02				09/11/02	55.68	53.73	
5,585.20				10/23/02	55.50	53.55	
5,585.15				11/22/02	55.55	53.60	
5,585.42				12/03/02	55.28	53.33	
5,585.65				01/09/03	55.05	53.10	
5,585.65				02/12/03	55.05	53.10	
5,585.92				03/26/03	54.78	52.83	
5,586.22				04/02/03	54.48	52.53	
5,586.01				05/01/03	54.69	52.74	
5,584.81				06/09/03	55.89	53.94	
5,584.34				07/07/03	56.36	54.41	
5,584.40				08/04/03	56.30	54.35	
5,583.88				09/11/03	56.82	54.87	
5,583.57				10/02/03	57.13	55.18	
5,583.39				11/07/03	57.31	55.36	
5,583.97				12/03/03	56.73	54.78	
5,585.28				01/15/04	55.42	53.47	
5,585.50				02/10/04	55.20	53.25	
5,585.87				03/28/04	54.83	52.88	
5,586.20				04/12/04	54.50	52.55	
5,586.45				05/13/04	54.25	52.30	
5,586.50				06/18/04	54.20	52.25	
5,587.13				07/28/04	53.57	51.62	
5,586.22				08/30/04	54.48	52.53	
5,585.69				09/16/04	55.01	53.06	
5,585.17				10/11/04	55.53	53.58	
5,584.64				11/16/04	56.06	54.11	
5,584.77				12/22/04	55.93	53.98	
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	

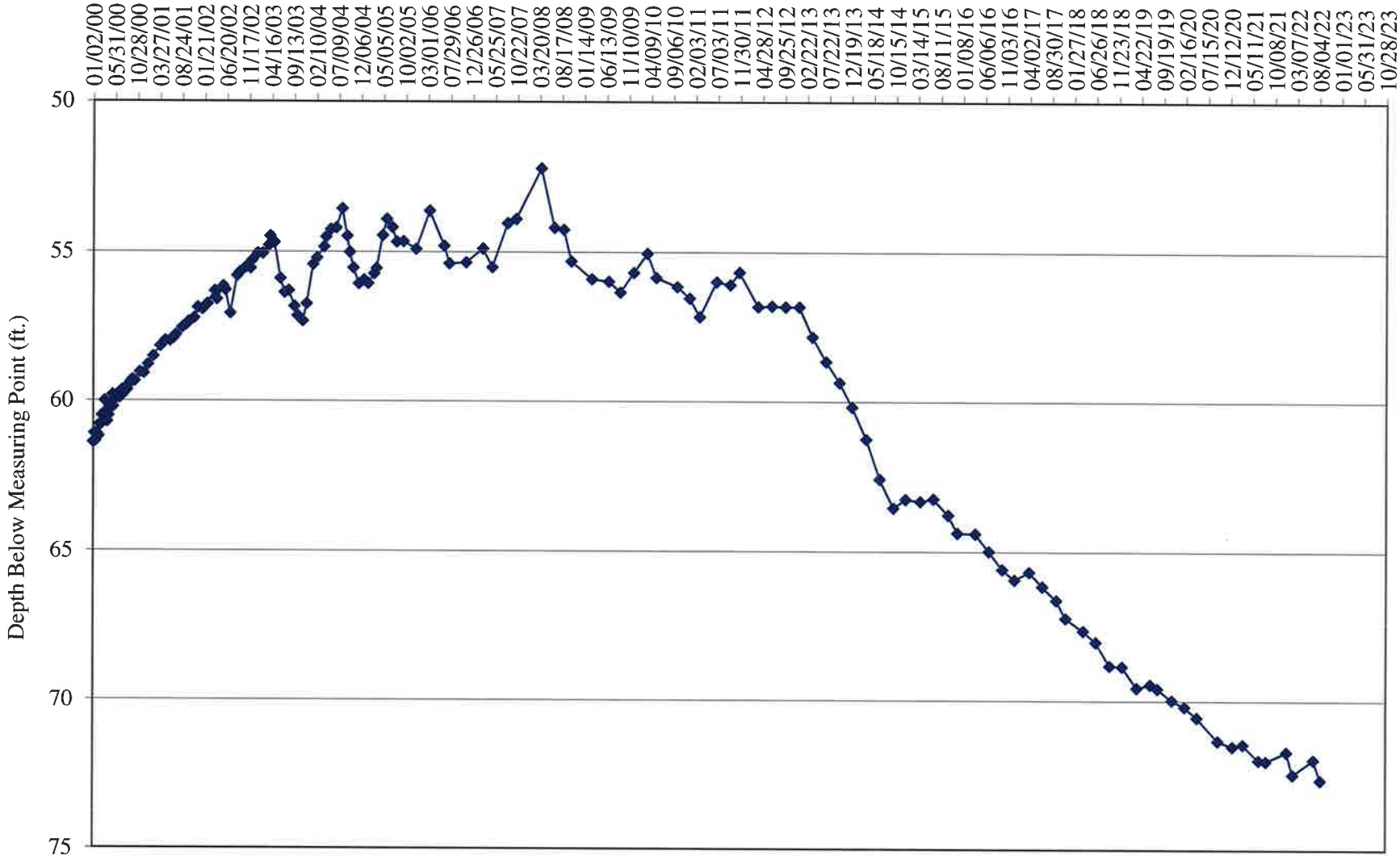
Water Levels and Data over Time
White Mesa Mill - Well TW4-5

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,638.75	5,640.70	1.95				121.85
5,586.03				07/29/05	54.67	52.72	
5,586.05				09/12/05	54.65	52.70	
5,585.80				12/07/05	54.90	52.95	
5,587.06				03/08/06	53.64	51.69	
5,585.90				06/13/06	54.80	52.85	
5,585.32				07/18/06	55.38	53.43	
5,585.35				11/07/06	55.35	53.40	
5585.81				02/27/07	54.89	52.94	
5,585.20				05/02/07	55.50	53.55	
5,586.66				08/14/07	54.04	52.09	
5,586.80				10/10/07	53.90	51.95	
5,588.48				03/26/08	52.22	50.27	
5,586.51				06/24/08	54.19	52.24	
5,586.45				08/26/08	54.25	52.30	
5,585.40				10/14/08	55.30	53.35	
5,584.80				03/03/09	55.90	53.95	
5,584.73				06/24/09	55.97	54.02	
5,584.36				09/10/09	56.34	54.39	
5,585.02				12/11/09	55.68	53.73	
5,585.66				03/11/10	55.04	53.09	
5,584.86				05/11/10	55.84	53.89	
5,584.55				09/29/10	56.15	54.20	
5,584.17				12/21/10	56.53	54.58	
5,583.55				02/28/11	57.15	55.20	
5,584.72				06/21/11	55.98	54.03	
5,584.62				09/20/11	56.08	54.13	
5,585.04				11/21/11	55.66	53.71	
5,583.89				03/27/12	56.81	54.86	
5,583.92				06/28/12	56.78	54.83	
5,583.89				09/27/12	56.81	54.86	
5,583.89				12/28/12	56.81	54.86	
5,582.88				03/28/13	57.82	55.87	
5,582.05				06/27/13	58.65	56.70	
5,581.35				09/27/13	59.35	57.40	
5,580.52				12/20/13	60.18	58.23	
5,579.44				03/27/14	61.26	59.31	
5,578.11				06/25/14	62.59	60.64	
5,577.15				09/25/14	63.55	61.60	
5,577.44				12/17/14	63.26	61.31	
5,577.37				03/26/15	63.33	61.38	
5,577.46				06/22/15	63.24	61.29	
5,576.92				09/30/15	63.78	61.83	
5,576.33				12/02/15	64.37	62.42	
5,576.30				03/30/16	64.40	62.45	
5,575.72				06/30/16	64.98	63.03	
5,575.12				09/29/16	65.58	63.63	

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

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,638.75	5,640.70	1.95				121.85
5,574.77				12/21/16	65.93	63.98	
5,575.03				03/30/17	65.67	63.72	
5,574.55				06/27/17	66.15	64.20	
5,574.09				09/28/17	66.61	64.66	
5,573.48				11/30/17	67.22	65.27	
5,573.05				03/28/18	67.65	65.70	
5,572.68				06/22/18	68.02	66.07	
5,571.89				09/24/18	68.81	66.86	
5,571.86				12/17/18	68.84	66.89	
5,571.15				03/25/19	69.55	67.60	
5,571.26				06/24/19	69.44	67.49	
5,571.12				08/12/19	69.58	67.63	
5,570.73				11/18/19	69.97	68.02	
5,570.50				02/10/20	70.20	68.25	
5,570.15				05/04/20	70.55	68.60	
5,569.36				09/22/20	71.34	69.39	
5,569.17				12/30/20	71.53	69.58	
5,569.24				03/11/21	71.46	69.51	
5,568.71				06/24/21	71.99	70.04	
5,568.68				08/13/21	72.02	70.07	
5,568.99				12/30/21	71.71	69.76	
5,568.23				02/10/22	72.47	70.52	
5,568.73				06/28/22	71.97	70.02	
5,568.04				08/15/22	72.66	70.71	

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



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

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
	5,607.33	5,608.78	1.450				99.60
5,522.28				05/25/00	86.50	85.05	
5,521.51				06/09/00	87.27	85.82	
5,522.35				06/16/00	86.43	84.98	
5,522.14				06/26/00	86.64	85.19	
5,522.25				07/06/00	86.53	85.08	
5,522.13				07/13/00	86.65	85.20	
5,522.17				07/18/00	86.61	85.16	
5,522.26				07/25/00	86.52	85.07	
5,522.31				08/02/00	86.47	85.02	
5,522.33				08/09/00	86.45	85.00	
5,522.35				08/15/00	86.43	84.98	
5,522.40				08/31/00	86.38	84.93	
5,522.40				09/08/00	86.38	84.93	
5,522.45				09/13/00	86.33	84.88	
5,522.53				09/20/00	86.25	84.80	
5,522.39				10/05/00	86.39	84.94	
5,522.42				11/09/00	86.36	84.91	
5,522.29				12/06/00	86.49	85.04	
5,522.63				01/03/01	86.15	84.70	
5,522.72				02/09/01	86.06	84.61	
5,522.90				03/26/01	85.88	84.43	
5,522.70				04/30/01	86.08	84.63	
5,522.89				05/31/01	85.89	84.44	
5,522.88				06/20/01	85.90	84.45	
5,522.96				07/10/01	85.82	84.37	
5,523.10				08/20/01	85.68	84.23	
5,523.23				09/19/01	85.55	84.10	
5,523.21				10/02/01	85.57	84.12	
5,523.25				11/08/01	85.53	84.08	
5,523.46				12/03/01	85.32	83.87	
5,523.36				01/03/02	85.42	83.97	
5,523.50				02/06/02	85.28	83.83	
5,523.94				03/26/02	84.84	83.39	
5,523.75				04/09/02	85.03	83.58	
5,524.23				05/23/02	84.55	83.10	
5,523.98				06/05/02	84.80	83.35	
5,524.31				07/08/02	84.47	83.02	
5,524.36				08/23/02	84.42	82.97	
5,524.49				09/11/02	84.29	82.84	
5,524.71				10/23/02	84.07	82.62	
5,524.60				11/22/02	84.18	82.73	
5,524.94				12/03/02	83.84	82.39	
5,525.10				01/09/03	83.68	82.23	
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	

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

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
	5,607.33	5,608.78	1.450				99.60
5,525.74				05/01/03	83.04	81.59	
5,525.98				06/09/03	82.80	81.35	
5,526.04				07/07/03	82.74	81.29	
5,526.07				08/04/03	82.71	81.26	
5,526.42				09/11/03	82.36	80.91	
5,526.30				10/02/03	82.48	81.03	
5,526.41				11/07/03	82.37	80.92	
5,526.46				12/03/03	82.32	80.87	
5,526.83				01/15/04	81.95	80.50	
5,526.81				02/10/04	81.97	80.52	
5,527.14				03/28/04	81.64	80.19	
5,527.39				04/12/04	81.39	79.94	
5,527.64				05/13/04	81.14	79.69	
5,527.70				06/18/04	81.08	79.63	
5,528.16				07/28/04	80.62	79.17	
5,528.30				08/30/04	80.48	79.03	
5,528.52				09/16/04	80.26	78.81	
5,528.71				10/11/04	80.07	78.62	
5,528.74				11/16/04	80.04	78.59	
5,529.20				12/22/04	79.58	78.13	
5,528.92				01/18/05	79.86	78.41	
5,529.51				02/28/05	79.27	77.82	
5,529.74				03/15/05	79.04	77.59	
5,529.96				04/26/05	78.82	77.37	
5,530.15				05/24/05	78.63	77.18	
5,530.35				06/30/05	78.43	76.98	
5,530.47				07/29/05	78.31	76.86	
5,530.95				09/12/05	77.83	76.38	
5,531.50				12/07/05	77.28	75.83	
5,532.43				03/08/06	76.35	74.90	
5,533.49				06/13/06	75.29	73.84	
5,532.58				07/18/06	76.20	74.75	
5,532.88				11/07/06	75.90	74.45	
5534.09				02/27/07	74.69	73.24	
5,534.04				05/02/07	74.74	73.29	
5,534.43				08/14/07	74.35	72.90	
5,554.54				10/10/07	54.24	52.79	
5,535.40				03/26/08	73.38	71.93	
5,535.55				06/24/08	73.23	71.78	
5,535.90				08/26/08	72.88	71.43	
5,535.87				10/14/08	72.91	71.46	
5,536.42				03/10/09	72.36	70.91	
5,536.71				06/24/09	72.07	70.62	
5,536.83				09/10/09	71.95	70.50	
5,537.35				12/11/09	71.43	69.98	
5,537.93				03/11/10	70.85	69.40	

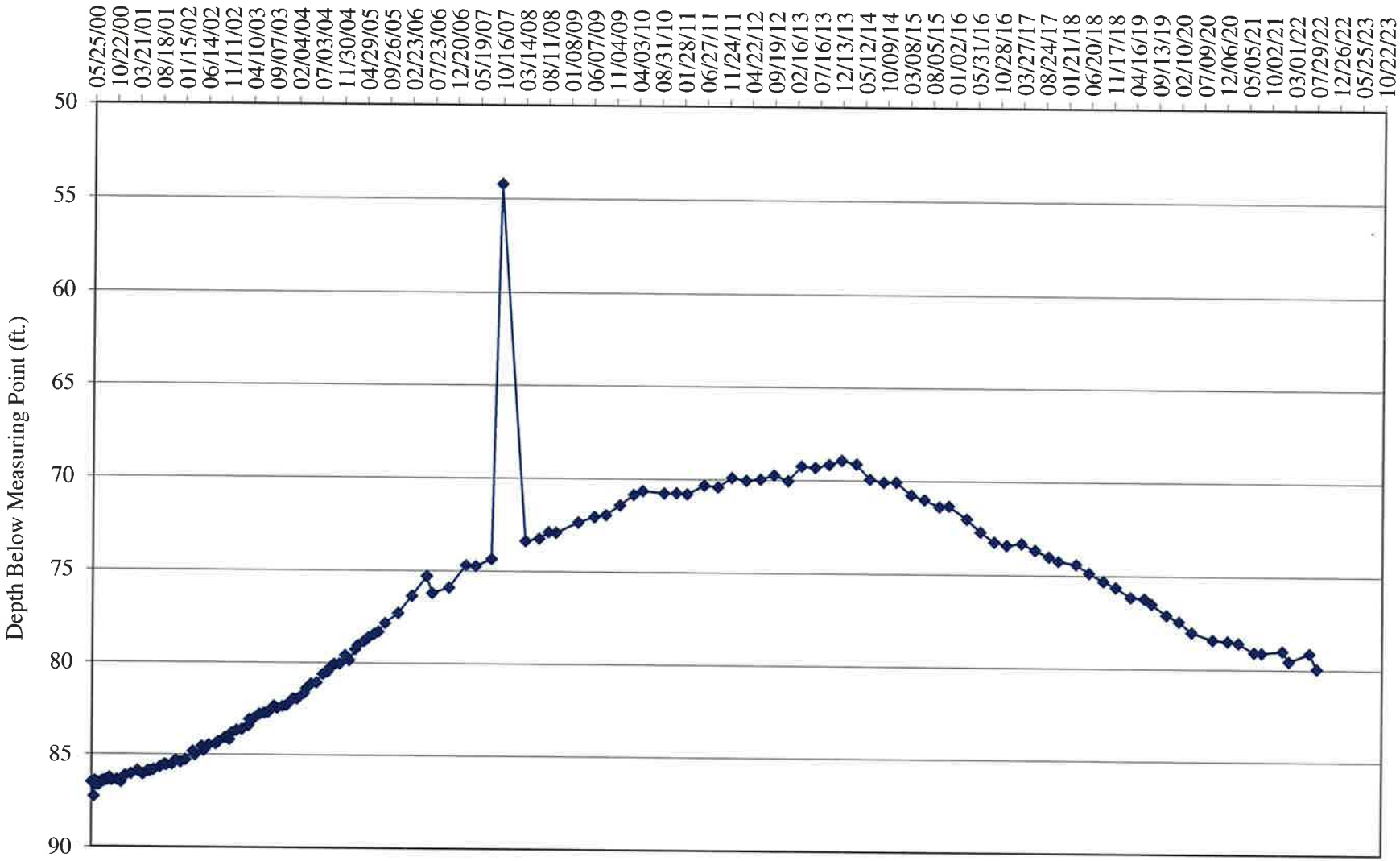
Water Levels and Data over Time
White Mesa Mill - Well TW4-6

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
	5,607.33	5,608.78	1.450				99.60
5,538.14				05/11/10	70.64	69.19	
5,538.03				09/29/10	70.75	69.30	
5,538.04				12/21/10	70.74	69.29	
5,537.98				02/28/11	70.80	69.35	
5,538.46				06/21/11	70.32	68.87	
5,538.37				09/20/11	70.41	68.96	
5,538.87				12/21/11	69.91	68.46	
5,538.73				03/27/12	70.05	68.60	
5,538.80				06/28/12	69.98	68.53	
5,539.04				09/27/12	69.74	68.29	
5,538.74				12/28/12	70.04	68.59	
5,539.53				03/28/13	69.25	67.80	
5,539.46				06/27/13	69.32	67.87	
5,539.62				09/27/13	69.16	67.71	
5,539.85				12/20/13	68.93	67.48	
5,539.65				03/27/14	69.13	67.68	
5,538.85				06/25/14	69.93	68.48	
5,538.69				09/25/14	70.09	68.64	
5,538.71				12/17/14	70.07	68.62	
5,538.03				03/26/15	70.75	69.30	
5,537.78				06/22/15	71.00	69.55	
5,537.40				09/30/15	71.38	69.93	
5,537.44				12/02/15	71.34	69.89	
5,536.76				03/30/16	72.02	70.57	
5,536.08				06/30/16	72.70	71.25	
5,535.54				09/29/16	73.24	71.79	
5,535.38				12/21/16	73.40	71.95	
5,535.48				03/30/17	73.30	71.85	
5,535.13				06/27/17	73.65	72.20	
5,534.78				09/28/17	74.00	72.55	
5,534.54				11/30/17	74.24	72.79	
5,534.38				03/28/18	74.40	72.95	
5,533.92				06/22/18	74.86	73.41	
5,533.49				09/25/18	75.29	73.84	
5,533.17				12/17/18	75.61	74.16	
5,532.63				03/25/19	76.15	74.70	
5,532.56				06/24/19	76.22	74.77	
5,532.28				08/12/19	76.50	75.05	
5,531.69				11/18/19	77.09	75.64	
5,531.34				02/10/20	77.44	75.99	
5,530.76				05/04/20	78.02	76.57	
5,530.36				09/22/20	78.42	76.97	
5,530.29				12/30/20	78.49	77.04	
5,530.20				03/11/21	78.58	77.13	
5,529.69				06/24/21	79.09	77.64	
5,529.67				08/13/21	79.11	77.66	

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

Water Elevation (z)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
	5,607.33	5,608.78	1.450				99.60
5,529.78				12/30/21	79.00	77.55	
5,529.23				02/10/22	79.55	78.10	
5,529.65				06/28/22	79.13	77.68	
5,528.84				08/15/22	79.94	78.49	

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



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

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
	5,619.87	5,621.07	1.20				121.0
5,552.37				11/29/99	68.70	67.50	
5,553.57				01/02/00	67.50	66.30	
5,553.87				01/10/00	67.20	66.00	
5,553.72				01/17/00	67.35	66.15	
5,553.97				01/24/00	67.10	65.90	
5,553.87				02/01/00	67.20	66.00	
5,553.87				02/07/00	67.20	66.00	
5,554.17				02/14/00	66.90	65.70	
5,554.27				02/23/00	66.80	65.60	
5,554.37				03/01/00	66.70	65.50	
5,554.37				03/08/00	66.70	65.50	
5,554.27				03/15/00	66.80	65.60	
5,554.77				03/20/00	66.30	65.10	
5,554.57				03/29/00	66.50	65.30	
5,554.27				04/04/00	66.80	65.60	
5,554.57				04/13/00	66.50	65.30	
5,554.77				04/21/00	66.30	65.10	
5,554.87				04/28/00	66.20	65.00	
5,554.87				05/01/00	66.20	65.00	
5,555.27				05/11/00	65.80	64.60	
5,554.97				05/15/00	66.10	64.90	
5,555.27				05/25/00	65.80	64.60	
5,555.33				06/09/00	65.74	64.54	
5,555.45				06/16/00	65.62	64.42	
5,555.22				06/26/00	65.85	64.65	
5,555.45				07/06/00	65.62	64.42	
5,555.40				07/13/00	65.67	64.47	
5,555.45				07/18/00	65.62	64.42	
5,555.59				07/27/00	65.48	64.28	
5,555.65				08/02/00	65.42	64.22	
5,555.70				08/09/00	65.37	64.17	
5,555.74				08/16/00	65.33	64.13	
5,555.96				08/31/00	65.11	63.91	
5,555.87				09/08/00	65.20	64.00	
5,555.95				09/13/00	65.12	63.92	
5,556.05				09/20/00	65.02	63.82	
5,556.06				10/05/00	65.01	63.81	
5,556.17				10/12/00	64.90	63.70	
5,556.20				10/19/00	64.87	63.67	
5,556.22				10/23/00	64.85	63.65	
5,556.36				11/09/00	64.71	63.51	
5,556.42				11/14/00	64.65	63.45	
5,556.45				11/30/00	64.62	63.42	
5,556.15				12/06/00	64.92	63.72	

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

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
	5,619.87	5,621.07	1.20				121.0
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	
5,561.64				07/28/04	59.43	58.23	
5,543.00				08/30/04	78.07	76.87	

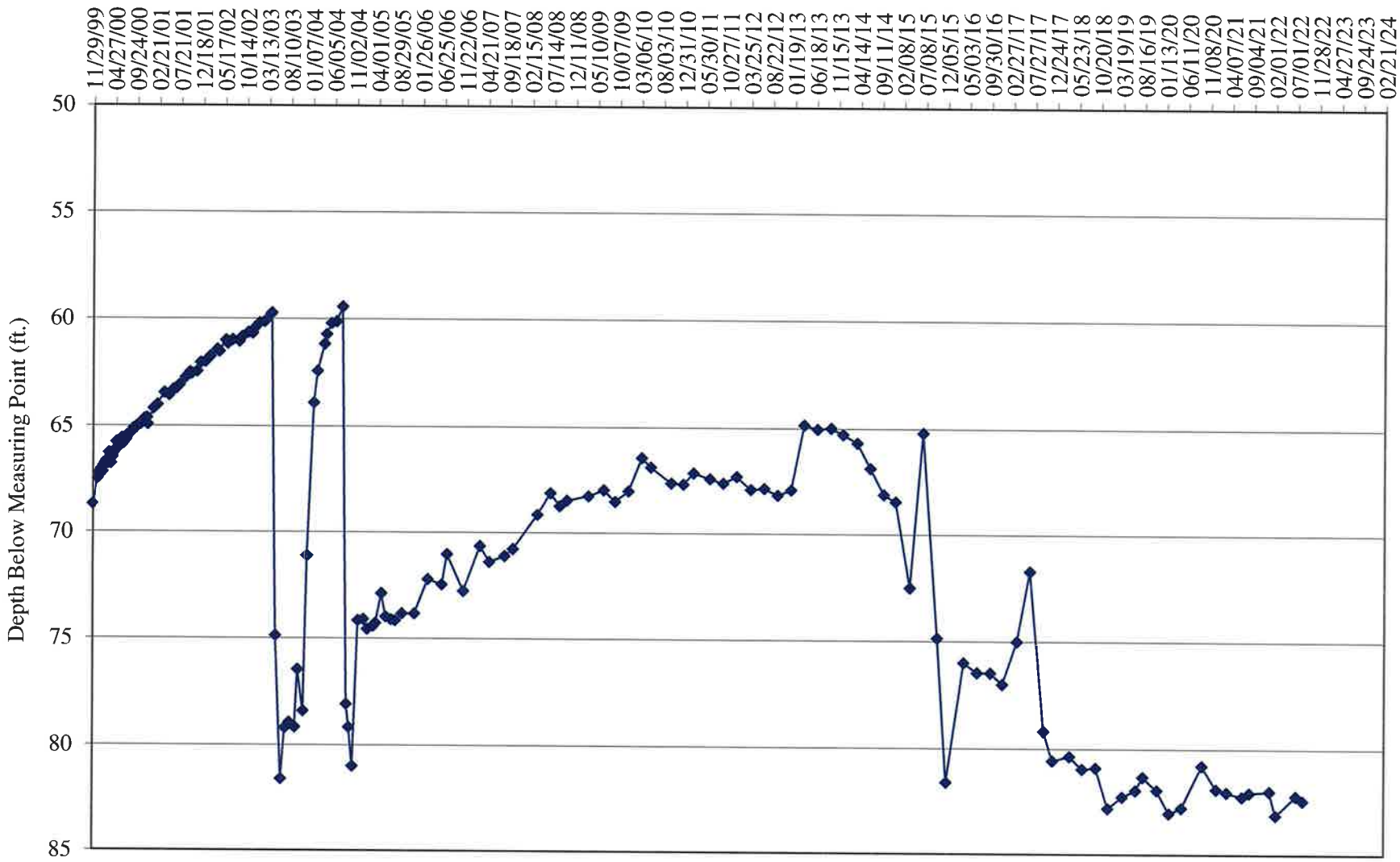
Water Levels and Data over Time
White Mesa Mill - Well TW4-7

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
	5,619.87	5,621.07	1.20				121.0
5,541.91				09/16/04	79.16	77.96	
5,540.08				10/11/04	80.99	79.79	
5,546.92				11/16/04	74.15	72.95	
5,546.97				12/22/04	74.10	72.90	
5,546.51				01/18/05	74.56	73.36	
5,546.66				02/28/05	74.41	73.21	
5,546.81				03/15/05	74.26	73.06	
5,548.19				04/26/05	72.88	71.68	
5,547.11				05/24/05	73.96	72.76	
5,546.98				06/30/05	74.09	72.89	
5,546.92				07/29/05	74.15	72.95	
5,547.26				09/12/05	73.81	72.61	
5,547.26				12/07/05	73.81	72.61	
5,548.86				03/08/06	72.21	71.01	
5,548.62				06/13/06	72.45	71.25	
5,550.04				07/18/06	71.03	69.83	
5,548.32				11/07/06	72.75	71.55	
5,550.44				02/27/07	70.63	69.43	
5,549.69				05/02/07	71.38	70.18	
5,549.97				08/14/07	71.10	69.90	
5,550.30				10/10/07	70.77	69.57	
5,551.92				03/26/08	69.15	67.95	
5,552.94				06/24/08	68.13	66.93	
5,552.34				08/26/08	68.73	67.53	
5,552.61				10/14/08	68.46	67.26	
5,552.81				03/10/09	68.26	67.06	
5,553.11				06/24/09	67.96	66.76	
5,552.55				09/10/09	68.52	67.32	
5,553.06				12/11/09	68.01	66.81	
5,554.64				03/11/10	66.43	65.23	
5,554.20				05/11/10	66.87	65.67	
5,553.45				09/29/10	67.62	66.42	
5,553.40				12/21/10	67.67	66.47	
5,553.93				02/28/11	67.14	65.94	
5,553.67				06/21/11	67.4	66.20	
5,553.46				09/20/11	67.61	66.41	
5,553.78				12/21/11	67.29	66.09	
5,553.17				03/27/12	67.90	66.70	
5,553.21				06/28/12	67.86	66.66	
5,552.90				09/27/12	68.17	66.97	
5,553.15				12/28/12	67.92	66.72	
5,556.23				03/28/13	64.84	63.64	
5,556.04				06/27/13	65.03	63.83	
5,556.09				09/27/13	64.98	63.78	

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

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well (blw.LSD)
	5,619.87	5,621.07	1.20				121.0
5,555.80				12/20/13	65.27	64.07	
5,555.40				03/27/14	65.67	64.47	
5,554.20				06/25/14	66.87	65.67	
5,552.96				09/25/14	68.11	66.91	
5,552.62				12/17/14	68.45	67.25	
5,548.57				03/26/15	72.50	71.30	
5,555.88				06/22/15	65.19	63.99	
5,546.22				09/30/15	74.85	73.65	
5,539.47				12/02/15	81.60	80.40	
5,545.08				03/30/16	75.99	74.79	
5,544.62				06/30/16	76.45	75.25	
5,544.61				09/29/16	76.46	75.26	
5,544.09				12/21/16	76.98	75.78	
5,546.07				03/30/17	75.00	73.80	
5,549.36				06/27/17	71.71	70.51	
5,541.91				09/28/17	79.16	77.96	
5,540.51				11/30/17	80.56	79.36	
5,540.71				03/28/18	80.36	79.16	
5,540.12				06/22/18	80.95	79.75	
5,540.17				09/25/18	80.90	79.70	
5,538.26				12/17/18	82.81	81.61	
5,538.81				03/25/19	82.26	81.06	
5,539.11				06/24/19	81.96	80.76	
5,539.75				08/12/19	81.32	80.12	
5,539.13				11/18/19	81.94	80.74	
5,538.03				02/10/20	83.04	81.84	
5,538.29				05/04/20	82.78	81.58	
5,540.28				09/22/20	80.79	79.59	
5,539.17				12/30/20	81.90	80.70	
5,539.03				03/11/21	82.04	80.84	
5,538.82				06/24/21	82.25	81.05	
5,539.00				08/13/21	82.07	80.87	
5,539.08				12/30/21	81.99	80.79	
5,537.94				02/10/22	83.13	81.93	
5,538.86				06/28/22	82.21	81.01	
5,538.64				08/15/22	82.43	81.23	

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



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

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,616.80	5,621.40	4.60				126.2
5,546.40				11/29/99	75.00	70.40	
5,546.20				01/02/00	75.20	70.60	
5,546.50				01/10/00	74.90	70.30	
5,546.30				01/17/00	75.10	70.50	
5,546.60				01/24/00	74.80	70.20	
5,546.50				02/01/00	74.90	70.30	
5,546.50				02/07/00	74.90	70.30	
5,546.90				02/14/00	74.50	69.90	
5,546.95				02/23/00	74.45	69.85	
5,547.05				03/01/00	74.35	69.75	
5,547.05				03/08/00	74.35	69.75	
5,547.10				03/15/00	74.30	69.70	
5,547.50				03/20/00	73.90	69.30	
5,547.40				03/29/00	74.00	69.40	
5,547.20				04/04/00	74.20	69.60	
5,547.40				04/13/00	74.00	69.40	
5,547.60				04/21/00	73.80	69.20	
5,547.70				04/28/00	73.70	69.10	
5,547.70				05/01/00	73.70	69.10	
5,548.00				05/11/00	73.40	68.80	
5,547.70				05/15/00	73.70	69.10	
5,547.90				05/25/00	73.50	68.90	
5,547.90				06/09/00	73.50	68.90	
5,548.00				06/16/00	73.40	68.80	
5,547.87				06/26/00	73.53	68.93	
5,547.95				07/06/00	73.45	68.85	
5,547.96				07/13/00	73.44	68.84	
5,547.95				07/18/00	73.45	68.85	
5,548.11				07/27/00	73.29	68.69	
5,548.15				08/02/00	73.25	68.65	
5,548.17				08/09/00	73.23	68.63	
5,548.16				08/15/00	73.24	68.64	
5,548.40				08/31/00	73.00	68.40	
5,548.50				09/08/00	72.90	68.30	
5,548.62				09/13/00	72.78	68.18	
5,548.75				09/20/00	72.65	68.05	
5,548.76				10/05/00	72.64	68.04	
5,549.00				11/09/00	72.40	67.80	
5,548.85				12/06/00	72.55	67.95	
5,549.47				01/03/01	71.93	67.33	
5,549.89				02/09/01	71.51	66.91	
5,550.37				03/27/01	71.03	66.43	
5,550.50				04/30/01	70.90	66.30	
5,550.68				05/31/01	70.72	66.12	

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

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,616.80	5,621.40	4.60				126.2
5,550.68				06/20/01	70.72	66.12	
5,551.02				07/10/01	70.38	65.78	
5,551.32				08/20/01	70.08	65.48	
5,551.49				09/19/01	69.91	65.31	
5,551.64				10/02/01	69.76	65.16	
5,551.81				11/08/01	69.59	64.99	
5,552.22				12/03/01	69.18	64.58	
5,552.16				01/03/02	69.24	64.64	
5,552.38				02/06/02	69.02	64.42	
5,552.85				03/26/02	68.55	63.95	
5,552.83				04/09/02	68.57	63.97	
5,553.20				05/23/02	68.20	63.60	
5,553.16				06/05/02	68.24	63.64	
5,553.32				07/08/02	68.08	63.48	
5,553.49				08/23/02	67.91	63.31	
5,553.69				09/11/02	67.71	63.11	
5,554.09				10/23/02	67.31	62.71	
5,554.02				11/22/02	67.38	62.78	
5,554.23				12/03/02	67.17	62.57	
5,554.43				01/09/03	66.97	62.37	
5,554.42				02/12/03	66.98	62.38	
5,554.71				03/26/03	66.69	62.09	
5,554.83				04/02/03	66.57	61.97	
5,552.21				05/01/03	69.19	64.59	
5,547.93				06/09/03	73.47	68.87	
5,546.97				07/07/03	74.43	69.83	
5,546.58				08/04/03	74.82	70.22	
5,546.24				09/11/03	75.16	70.56	
5,546.38				10/02/03	75.02	70.42	
5,546.40				11/07/03	75.00	70.40	
5,546.59				12/03/03	74.81	70.21	
5,551.29				01/15/04	70.11	65.51	
5,552.69				02/10/04	68.71	64.11	
5,554.06				03/28/04	67.34	62.74	
5,554.52				04/12/04	66.88	62.28	
5,555.06				05/13/04	66.34	61.74	
5,555.11				06/18/04	66.29	61.69	
5,555.88				07/28/04	65.52	60.92	
5,552.97				08/30/04	68.43	63.83	
5,550.65				09/16/04	70.75	66.15	
5,548.40				10/11/04	73.00	68.40	
5,548.28				11/16/04	73.12	68.52	
5,548.80				12/22/04	72.60	68.00	
5,548.43				01/18/05	72.97	68.37	

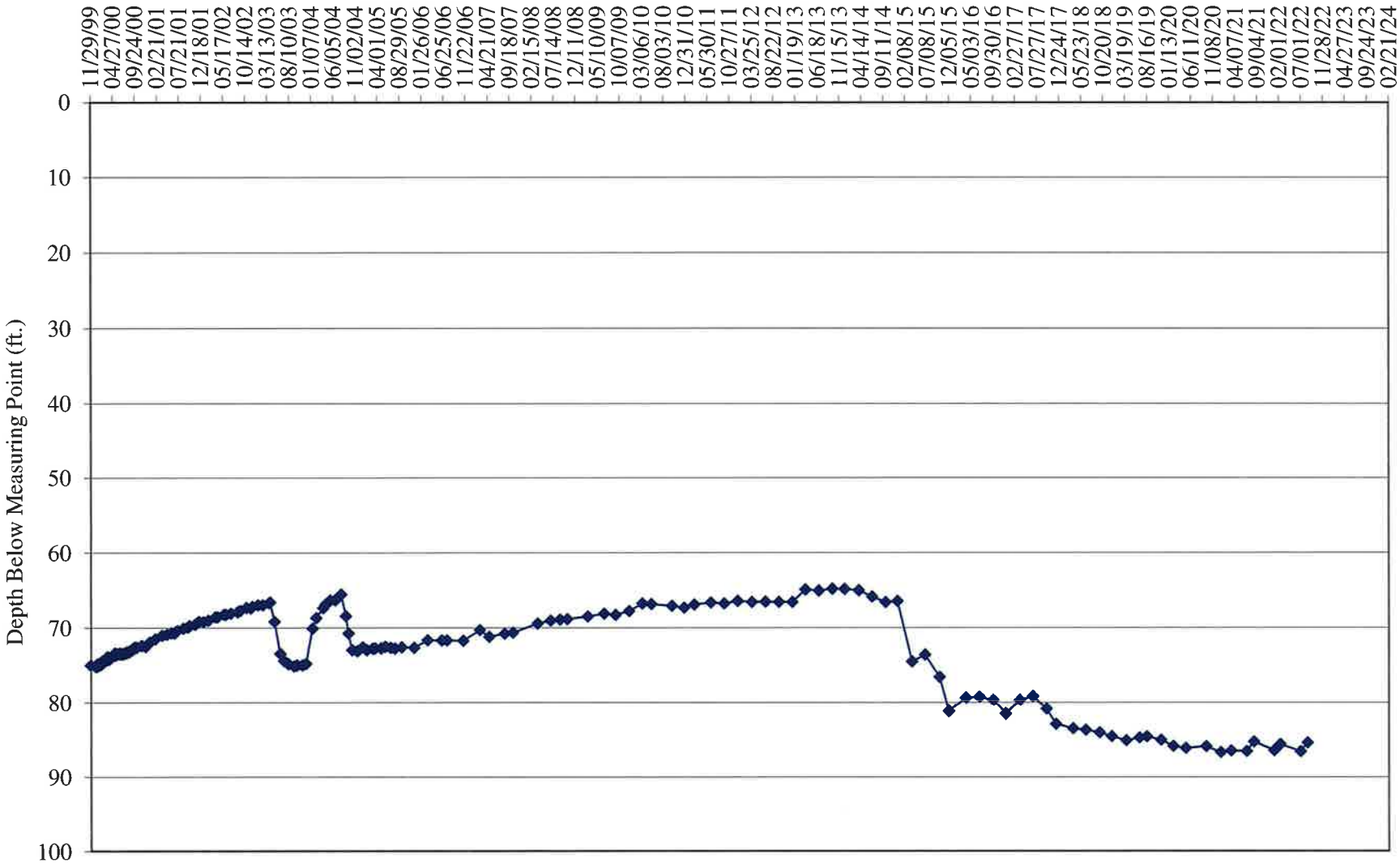
Water Levels and Data over Time
White Mesa Mill - Well TW4-8

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,616.80	5,621.40	4.60				126.2
5,548.61				02/28/05	72.79	68.19	
5,548.64				03/15/05	72.76	68.16	
5,548.65				04/26/05	72.75	68.15	
5,548.85				05/24/05	72.55	67.95	
5,548.73				06/30/05	72.67	68.07	
5,548.62				07/29/05	72.78	68.18	
5,548.80				09/12/05	72.60	68.00	
5,548.71				12/07/05	72.69	68.09	
5,549.72				03/08/06	71.68	67.08	
5,549.70				06/13/06	71.70	67.10	
5,549.70				07/18/06	71.70	67.10	
5,549.65				11/07/06	71.75	67.15	
5,551.11				02/27/07	70.29	65.69	
5,550.20				05/02/07	71.20	66.60	
5,550.59				08/14/07	70.81	66.21	
5,550.76				10/10/07	70.64	66.04	
5,551.95				03/26/08	69.45	64.85	
5,552.36				06/24/08	69.04	64.44	
5,552.50				08/26/08	68.90	64.30	
5,552.56				10/14/08	68.84	64.24	
5,552.91				03/03/09	68.49	63.89	
5,553.27				06/24/09	68.13	63.53	
5,553.12				09/10/09	68.28	63.68	
5,553.63				12/11/09	67.77	63.17	
5,554.65				03/11/10	66.75	62.15	
5,554.57				05/11/10	66.83	62.23	
5,554.34				09/29/10	67.06	62.46	
5,554.09				12/21/10	67.31	62.71	
5,554.50				02/28/11	66.9	62.30	
5,554.79				06/21/11	66.61	62.01	
5,554.63				09/20/11	66.77	62.17	
5,555.01				12/21/11	66.39	61.79	
5,554.85				03/27/12	66.55	61.95	
5,554.90				06/28/12	66.5	61.90	
5,554.85				09/27/12	66.55	61.95	
5,554.86				12/28/12	66.54	61.94	
5,556.48				03/28/13	64.92	60.32	
5,556.35				06/27/13	65.05	60.45	
5,556.60				09/27/13	64.80	60.20	
5,556.56				12/20/13	64.84	60.24	
5,556.38				03/27/14	65.02	60.42	
5,555.56				06/25/14	65.84	61.24	
5,554.82				09/25/14	66.58	61.98	
5,554.95				12/17/14	66.45	61.85	

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

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,616.80	5,621.40	4.60				126.2
5,546.89				03/26/15	74.51	69.91	
5,547.80				06/22/15	73.60	69.00	
5,544.84				09/30/15	76.56	71.96	
5,540.22				12/02/15	81.18	76.58	
5,542.00				03/30/16	79.40	74.80	
5,542.10				06/30/16	79.30	74.70	
5,541.70				09/29/16	79.70	75.10	
5,539.90				12/21/16	81.50	76.90	
5,541.70				03/30/17	79.70	75.10	
5,542.19				06/27/17	79.21	74.61	
5,540.58				09/28/17	80.82	76.22	
5,538.52				11/30/17	82.88	78.28	
5,537.95				03/28/18	83.45	78.85	
5,537.73				06/22/18	83.67	79.07	
5,537.38				09/25/18	84.02	79.42	
5,536.86				12/17/18	84.54	79.94	
5,536.30				03/25/19	85.10	80.50	
5,536.67				06/24/19	84.73	80.13	
5,536.82				08/12/19	84.58	79.98	
5,536.37				11/18/19	85.03	80.43	
5,535.53				02/10/20	85.87	81.27	
5,535.25				05/04/20	86.15	81.55	
5,535.49				09/22/20	85.91	81.31	
5,534.69				12/30/20	86.71	82.11	
5,534.92				03/11/21	86.48	81.88	
5,534.82				06/24/21	86.58	81.98	
5,536.12				08/13/21	85.28	80.68	
5,534.94				12/30/21	86.46	81.86	
5,535.76				02/10/22	85.64	81.04	
5,534.80				06/28/22	86.60	82.00	
5,535.98				08/15/22	85.42	80.82	

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



Water Levels and Data over Time
White Mesa Mill - Well TW4-9

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,636.11	5,637.59	1.48				120.1
5,577.09				12/20/99	60.50	59.02	
5,577.09				01/02/00	60.50	59.02	
5,577.29				01/10/00	60.30	58.82	
5,577.09				01/17/00	60.50	59.02	
5,577.39				01/24/00	60.20	58.72	
5,577.29				02/01/00	60.30	58.82	
5,577.19				02/07/00	60.40	58.92	
5,577.69				02/14/00	59.90	58.42	
5,577.69				02/23/00	59.90	58.42	
5,577.79				03/01/00	59.80	58.32	
5,577.79				03/08/00	59.80	58.32	
5,577.89				03/15/00	59.70	58.22	
5,568.49				03/20/00	69.10	67.62	
5,578.14				03/29/00	59.45	57.97	
5,577.84				04/04/00	59.75	58.27	
5,578.04				04/13/00	59.55	58.07	
5,578.24				04/21/00	59.35	57.87	
5,578.39				04/28/00	59.20	57.72	
5,578.39				05/01/00	59.20	57.72	
5,578.79				05/11/00	58.80	57.32	
5,578.39				05/15/00	59.20	57.72	
5,578.79				05/25/00	58.80	57.32	
5,578.81				06/09/00	58.78	57.30	
5,578.89				06/16/00	58.70	57.22	
5,578.74				06/26/00	58.85	57.37	
5,578.86				07/06/00	58.73	57.25	
5,578.87				07/13/00	58.72	57.24	
5,578.84				07/18/00	58.75	57.27	
5,579.03				07/27/00	58.56	57.08	
5,579.03				08/02/00	58.56	57.08	
5,579.05				08/09/00	58.54	57.06	
5,579.04				08/15/00	58.55	57.07	
5,579.25				08/31/00	58.34	56.86	
5,579.35				09/08/00	58.24	56.76	
5,579.40				09/13/00	58.19	56.71	
5,579.46				09/20/00	58.13	56.65	
5,579.44				10/05/00	58.15	56.67	
5,579.79				11/09/00	57.80	56.32	
5,579.73				12/06/00	57.86	56.38	
5,580.01				01/03/01	57.58	56.10	
5,580.30				02/09/01	57.29	55.81	
5,580.66				03/27/01	56.93	55.45	
5,580.75				04/30/01	56.84	55.36	

Water Levels and Data over Time
White Mesa Mill - Well TW4-9

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,636.11	5,637.59	1.48				120.1
5,581.04				05/31/01	56.55	55.07	
5,581.12				06/21/01	56.47	54.99	
5,581.15				07/10/01	56.44	54.96	
5,581.51				08/20/01	56.08	54.60	
5,581.70				09/19/01	55.89	54.41	
5,581.61				10/02/01	55.98	54.50	
5,581.83				11/08/01	55.76	54.28	
5,582.17				12/03/01	55.42	53.94	
5,582.21				01/03/02	55.38	53.90	
5,582.57				02/06/02	55.02	53.54	
5,583.12				03/26/02	54.47	52.99	
5,582.77				04/09/02	54.82	53.34	
5,583.21				05/23/02	54.38	52.90	
5,582.94				06/05/02	54.65	53.17	
5,582.71				07/08/02	54.88	53.40	
5,583.67				08/23/02	53.92	52.44	
5,583.82				09/11/02	53.77	52.29	
5,584.01				10/23/02	53.58	52.10	
5,583.88				11/22/02	53.71	52.23	
5,583.81				12/03/02	53.78	52.30	
5,584.28				01/09/03	53.31	51.83	
5,584.41				02/12/03	53.18	51.70	
5,584.68				03/26/03	52.91	51.43	
5,584.49				04/02/03	53.10	51.62	
5,584.51				05/01/03	53.08	51.60	
5,583.59				06/09/03	54.00	52.52	
5,582.96				07/07/03	54.63	53.15	
5,582.98				08/04/03	54.61	53.13	
5,582.57				09/11/03	55.02	53.54	
5,582.25				10/02/03	55.34	53.86	
5,582.09				11/07/03	55.50	54.02	
5,582.48				12/03/03	55.11	53.63	
5,583.69				01/15/04	53.90	52.42	
5,583.89				02/10/04	53.70	52.22	
5,584.30				03/28/04	53.29	51.81	
5,584.59				04/12/04	53.00	51.52	
5,584.87				05/13/04	52.72	51.24	
5,584.96				06/18/04	52.63	51.15	
5,585.50				07/28/04	52.09	50.61	
5,584.81				08/30/04	52.78	51.30	
5,584.40				09/16/04	53.19	51.71	
5,583.91				10/11/04	53.68	52.20	
5,583.39				11/16/04	54.20	52.72	

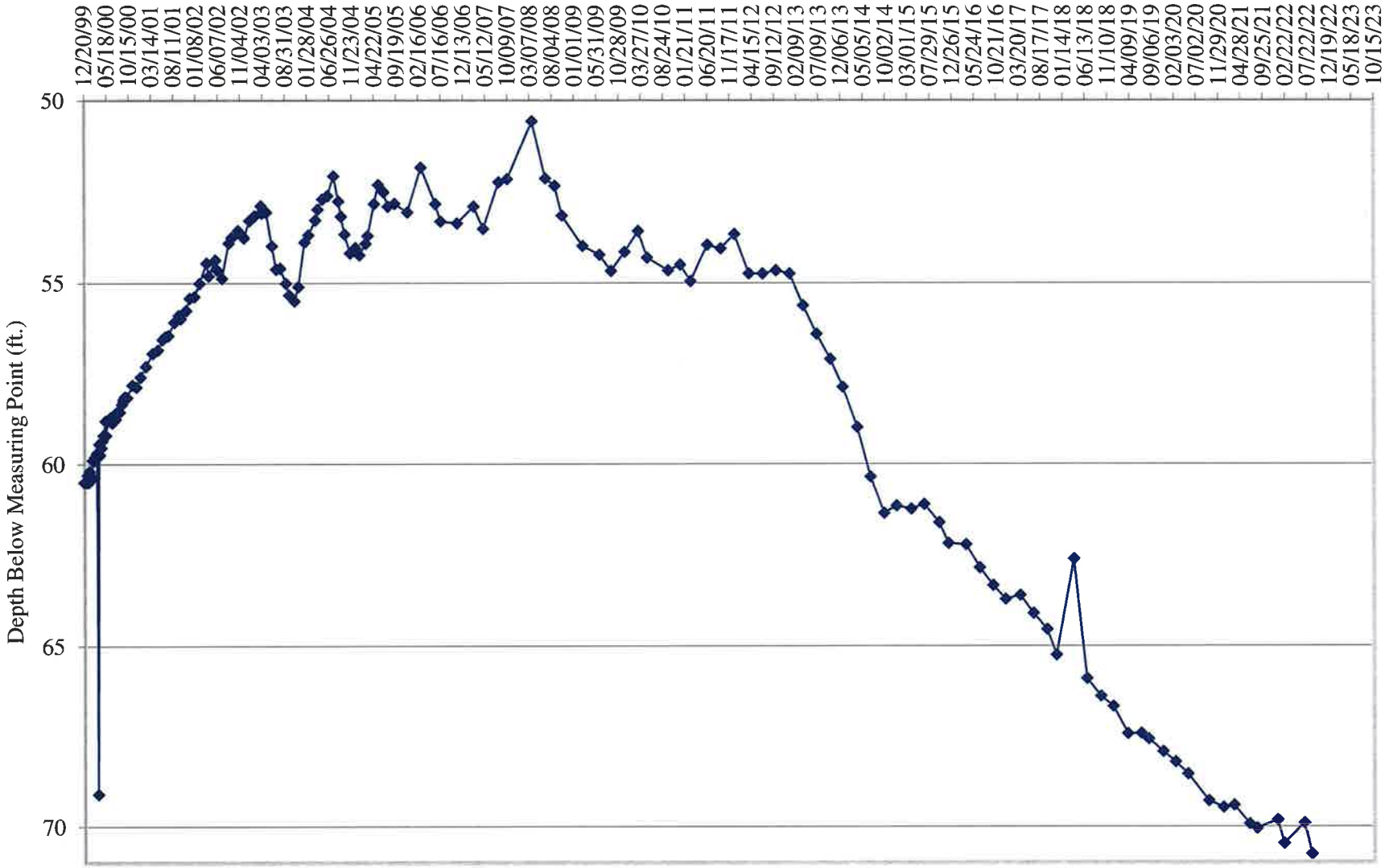
Water Levels and Data over Time
White Mesa Mill - Well TW4-9

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,636.11	5,637.59	1.48				120.1
5,583.54				12/22/04	54.05	52.57	
5,583.34				01/18/05	54.25	52.77	
5,583.66				02/28/05	53.93	52.45	
5,583.87				03/15/05	53.72	52.24	
5,584.74				04/26/05	52.85	51.37	
5,585.26				05/24/05	52.33	50.85	
5,585.06				06/30/05	52.53	51.05	
5,584.67				07/29/05	52.92	51.44	
5,584.75				09/12/05	52.84	51.36	
5,584.51				12/07/05	53.08	51.60	
5,585.74				03/08/06	51.85	50.37	
5,584.74				06/13/06	52.85	51.37	
5,584.26				07/18/06	53.33	51.85	
5,584.21				11/07/06	53.38	51.90	
5,584.67				02/27/07	52.92	51.44	
5,584.06				05/02/07	53.53	52.05	
5,585.33				08/14/07	52.26	50.78	
5,585.42				10/10/07	52.17	50.69	
5,587.01				03/26/08	50.58	49.10	
5,585.44				06/24/08	52.15	50.67	
5,585.23				08/26/08	52.36	50.88	
5,584.42				10/14/08	53.17	51.69	
5,583.59				03/03/09	54.00	52.52	
5,583.35				06/24/09	54.24	52.76	
5,582.91				09/10/09	54.68	53.20	
5,583.43				12/11/09	54.16	52.68	
5,584.00				03/11/10	53.59	52.11	
5,583.27				05/11/10	54.32	52.84	
5,582.92				09/29/10	54.67	53.19	
5,583.08				12/21/10	54.51	53.03	
5,582.63				02/28/11	54.96	53.48	
5,583.62				06/21/11	53.97	52.49	
5,583.52				09/20/11	54.07	52.59	
5,583.91				12/21/11	53.68	52.20	
5,582.84				03/27/12	54.75	53.27	
5,582.84				06/28/12	54.75	53.27	
5,582.92				09/27/12	54.67	53.19	
5,582.84				12/28/12	54.75	53.27	
5,581.97				03/28/13	55.62	54.14	
5,581.19				06/27/13	56.40	54.92	
5,580.50				09/27/13	57.09	55.61	
5,579.73				12/20/13	57.86	56.38	
5,578.61				03/27/14	58.98	57.50	

Water Levels and Data over Time
White Mesa Mill - Well TW4-9

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,636.11	5,637.59	1.48				120.1
5,577.24				06/25/14	60.35	58.87	
5,576.24				09/25/14	61.35	59.87	
5,576.44				12/17/14	61.15	59.67	
5,576.35				03/26/15	61.24	59.76	
5,576.48				06/22/15	61.11	59.63	
5,575.98				09/30/15	61.61	60.13	
5,575.41				12/02/15	62.18	60.70	
5,575.38				03/30/16	62.21	60.73	
5,574.74				06/30/16	62.85	61.37	
5,574.26				09/29/16	63.33	61.85	
5,573.88				12/21/16	63.71	62.23	
5,573.99				03/30/17	63.60	62.12	
5,573.49				06/27/17	64.10	62.62	
5,573.05				09/28/17	64.54	63.06	
5,572.34				11/30/17	65.25	63.77	
5,574.97				03/28/18	62.62	61.14	
5,571.69				06/22/18	65.90	64.42	
5,571.20				09/25/18	66.39	64.91	
5,570.92				12/17/18	66.67	65.19	
5,570.16				03/25/19	67.43	65.95	
5,570.17				06/24/19	67.42	65.94	
5,570.01				08/12/19	67.58	66.10	
5,569.66				11/18/19	67.93	66.45	
5,569.38				02/10/20	68.21	66.73	
5,569.04				05/04/20	68.55	67.07	
5,568.30				09/22/20	69.29	67.81	
5,568.12				12/30/20	69.47	67.99	
5,568.18				03/11/21	69.41	67.93	
5,567.66				06/24/21	69.93	68.45	
5,567.54				08/13/21	70.05	68.57	
5,567.77				12/30/21	69.82	68.34	
5,567.12				02/10/22	70.47	68.99	
5,567.68				06/28/22	69.91	68.43	
5,566.83				08/15/22	70.76	69.28	

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



Water Levels and Data over Time
White Mesa Mill - Well TW4-10

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,631.99	5,634.24	2.25				113.2
5,576.75				01/03/02	57.49	55.24	
5,576.92				02/06/02	57.32	55.07	
5,577.43				03/26/02	56.81	54.56	
5,577.22				04/09/02	57.02	54.77	
5,577.80				05/23/02	56.44	54.19	
5,577.47				06/05/02	56.77	54.52	
5,577.55				07/08/02	56.69	54.44	
5,578.10				08/23/02	56.14	53.89	
5,578.24				09/11/02	56.00	53.75	
5,578.49				10/23/02	55.75	53.50	
5,578.43				11/22/02	55.81	53.56	
5,578.43				12/03/02	55.81	53.56	
5,578.66				01/09/03	55.58	53.33	
5,578.66				02/12/03	55.58	53.33	
5,578.78				03/26/03	55.46	53.21	
5,578.90				04/02/03	55.34	53.09	
5,578.83				05/01/03	55.41	53.16	
5,578.05				06/09/03	56.19	53.94	
5,577.38				07/07/03	56.86	54.61	
5,577.15				08/04/03	57.09	54.84	
5,576.76				09/11/03	57.48	55.23	
5,576.36				10/02/03	57.88	55.63	
5,576.05				11/07/03	58.19	55.94	
5,576.20				12/03/03	58.04	55.79	
5,577.43				01/15/04	56.81	54.56	
5,577.81				02/10/04	56.43	54.18	
5,578.47				03/28/04	55.77	53.52	
5,578.69				04/12/04	55.55	53.30	
5,578.93				05/13/04	55.31	53.06	
5,578.99				06/18/04	55.25	53.00	
5,579.18				07/28/04	55.06	52.81	
5,579.06				08/30/04	55.18	52.93	
5,578.78				09/16/04	55.46	53.21	
5,577.80				10/11/04	56.44	54.19	
5,577.13				11/16/04	57.11	54.86	
5,576.96				12/22/04	57.28	55.03	
5,576.63				01/18/05	57.61	55.36	
5,576.82				02/28/05	57.42	55.17	
5,576.86				03/15/05	57.38	55.13	
5,577.52				04/26/05	56.72	54.47	
5,578.01				05/24/05	56.23	53.98	
5,578.15				06/30/05	56.09	53.84	
5,577.90				07/29/05	56.34	54.09	
5,578.02				09/12/05	56.22	53.97	

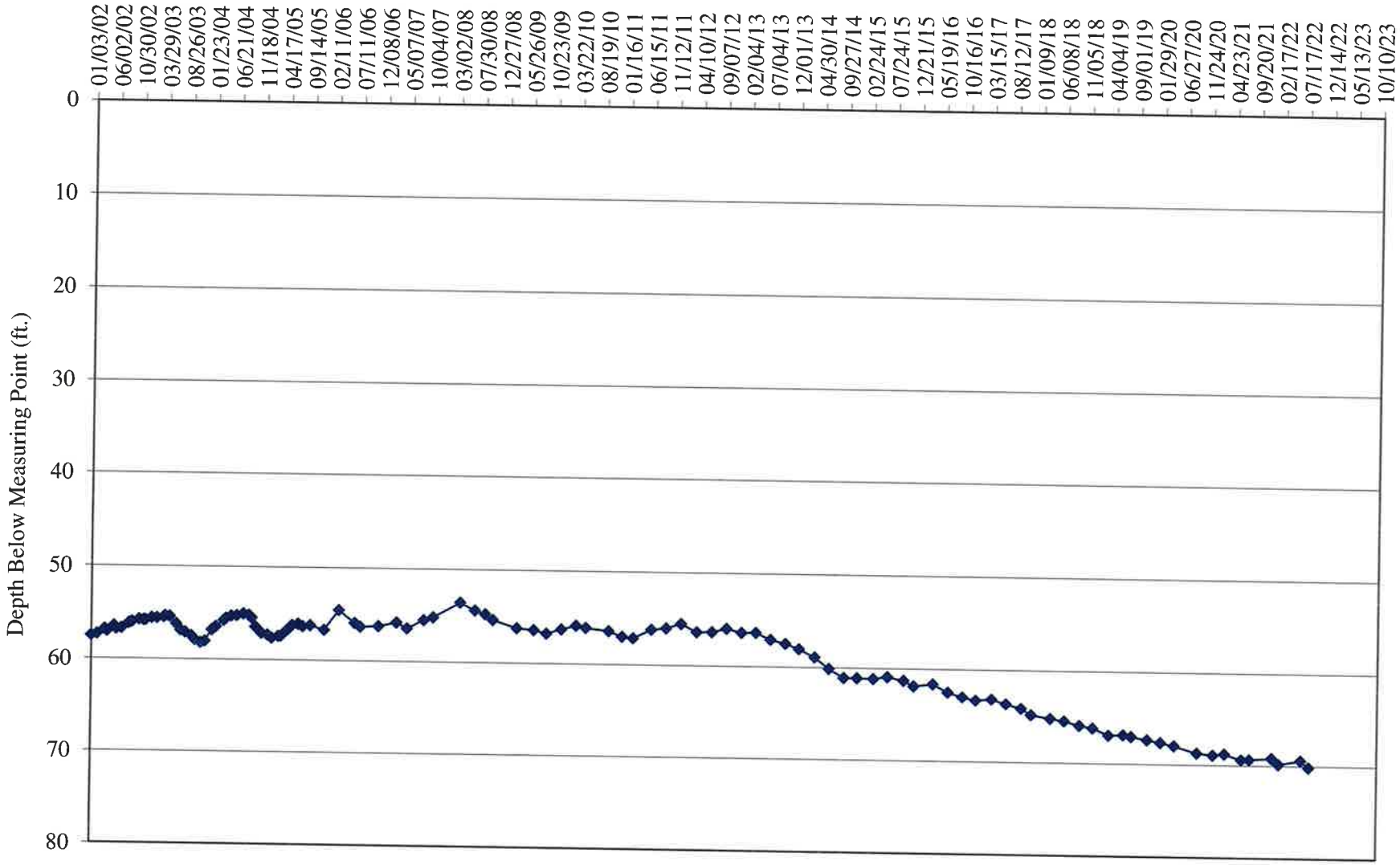
Water Levels and Data over Time
White Mesa Mill - Well TW4-10

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,631.99	5,634.24	2.25				113.2
5,577.56				12/07/05	56.68	54.43	
5,579.69				03/08/06	54.55	52.30	
5,578.34				06/13/06	55.90	53.65	
5,577.94				07/18/06	56.30	54.05	
5,578.01				11/07/06	56.23	53.98	
5578.43				02/27/07	55.81	53.56	
5,577.84				05/02/07	56.40	54.15	
5,578.74				08/14/07	55.50	53.25	
5,579.04				10/10/07	55.20	52.95	
5,580.69				03/26/08	53.55	51.30	
5,579.87				06/24/08	54.37	52.12	
5,579.47				08/26/08	54.77	52.52	
5,578.87				10/14/08	55.37	53.12	
5,578.01				03/10/09	56.23	53.98	
5,577.85				06/24/09	56.39	54.14	
5,577.49				09/10/09	56.75	54.50	
5,577.98				12/11/09	56.26	54.01	
5,578.38				03/11/10	55.86	53.61	
5,578.16				05/11/10	56.08	53.83	
5,577.85				09/29/10	56.39	54.14	
5,577.28				12/21/10	56.96	54.71	
5,577.14				02/28/11	57.10	54.85	
5,578.09				06/21/11	56.15	53.90	
5,578.24				09/20/11	56.00	53.75	
5,578.74				12/21/11	55.50	53.25	
5,577.89				03/27/12	56.35	54.10	
5,577.90				06/28/12	56.34	54.09	
5,578.29				09/27/12	55.95	53.70	
5,577.87				12/28/12	56.37	54.12	
5,577.92				03/28/13	56.32	54.07	
5,577.19				06/27/13	57.05	54.80	
5,576.77				09/27/13	57.47	55.22	
5,576.22				12/20/13	58.02	55.77	
5,575.36				03/27/14	58.88	56.63	
5,574.11				06/25/14	60.13	57.88	
5,573.19				09/25/14	61.05	58.80	
5,573.19				12/17/14	61.05	58.80	
5,573.12				03/26/15	61.12	58.87	
5,573.33				06/22/15	60.91	58.66	
5,572.98				09/30/15	61.26	59.01	
5,572.39				12/02/15	61.85	59.60	
5,572.64				03/30/16	61.60	59.35	
5,571.79				06/30/16	62.45	60.20	

Water Levels and Data over Time
White Mesa Mill - Well TW4-10

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,631.99	5,634.24	2.25				113.2
5,571.27				09/29/16	62.97	60.72	
5,570.94				12/21/16	63.30	61.05	
5,571.09				03/30/17	63.15	60.90	
5,570.59				06/27/17	63.65	61.40	
5,570.12				09/28/17	64.12	61.87	
5,569.42				11/30/17	64.82	62.57	
5,569.06				03/28/18	65.18	62.93	
5,568.81				06/22/18	65.43	63.18	
5,568.33				09/25/18	65.91	63.66	
5,568.08				12/17/18	66.16	63.91	
5,567.33				03/25/19	66.91	64.66	
5,567.39				06/24/19	66.85	64.60	
5,567.21				08/12/19	67.03	64.78	
5,566.88				11/18/19	67.36	65.11	
5,566.61				02/10/20	67.63	65.38	
5,566.27				05/04/20	67.97	65.72	
5,565.53				09/22/20	68.71	66.46	
5,565.33				12/30/20	68.91	66.66	
5,565.46				03/11/21	68.78	66.53	
5,564.86				06/24/21	69.38	67.13	
5,564.89				08/13/21	69.35	67.10	
5,565.05				12/30/21	69.19	66.94	
5,564.41				02/10/22	69.83	67.58	
5,564.82				06/28/22	69.42	67.17	
5,564.09				08/15/22	70.15	67.9	

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



Water Levels and Data over Time
White Mesa Mill - Well TW4-11

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,621.92	5,623.62	1.70				102.4
5,548.32				01/03/02	75.30	73.60	
5,548.73				02/06/02	74.89	73.19	
5,549.03				03/26/02	74.59	72.89	
5,548.84				04/09/02	74.78	73.08	
5,549.30				05/23/02	74.32	72.62	
5,549.01				06/05/02	74.61	72.91	
5,549.22				07/08/02	74.40	72.70	
5,549.44				08/23/02	74.18	72.48	
5,549.57				09/11/02	74.05	72.35	
5,549.64				10/23/02	73.98	72.28	
5,549.58				11/22/02	74.04	72.34	
5,549.62				12/03/02	74.00	72.30	
5,549.85				01/09/03	73.77	72.07	
5,549.91				02/12/03	73.71	72.01	
5,550.15				03/26/03	73.47	71.77	
5,550.01				04/02/03	73.61	71.91	
5,550.31				05/01/03	73.31	71.61	
5,550.44				06/09/03	73.18	71.48	
5,550.33				07/07/03	73.29	71.59	
5,550.35				08/04/03	73.27	71.57	
5,550.44				09/11/03	73.18	71.48	
5,550.47				10/02/03	73.15	71.45	
5,550.60				11/07/03	73.02	71.32	
5,550.60				12/03/03	73.02	71.32	
5,550.94				01/15/04	72.68	70.98	
5,551.00				02/10/04	72.62	70.92	
5,550.34				03/28/04	73.28	71.58	
5,551.54				04/12/04	72.08	70.38	
5,551.89				05/13/04	71.73	70.03	
5,551.94				06/18/04	71.68	69.98	
5,552.49				07/28/04	71.13	69.43	
5,552.74				08/30/04	70.88	69.18	
5,553.01				09/16/04	70.61	68.91	
5,553.11				10/11/04	70.51	68.81	
5,553.19				11/16/04	70.43	68.73	
5,553.53				12/22/04	70.09	68.39	
5,553.31				01/18/05	70.31	68.61	
5,553.84				02/28/05	69.78	68.08	
5,554.04				03/15/05	69.58	67.88	
5,554.23				04/26/05	69.39	67.69	
5,553.87				05/24/05	69.75	68.05	
5,554.46				06/30/05	69.16	67.46	
5,554.57				07/29/05	69.05	67.35	

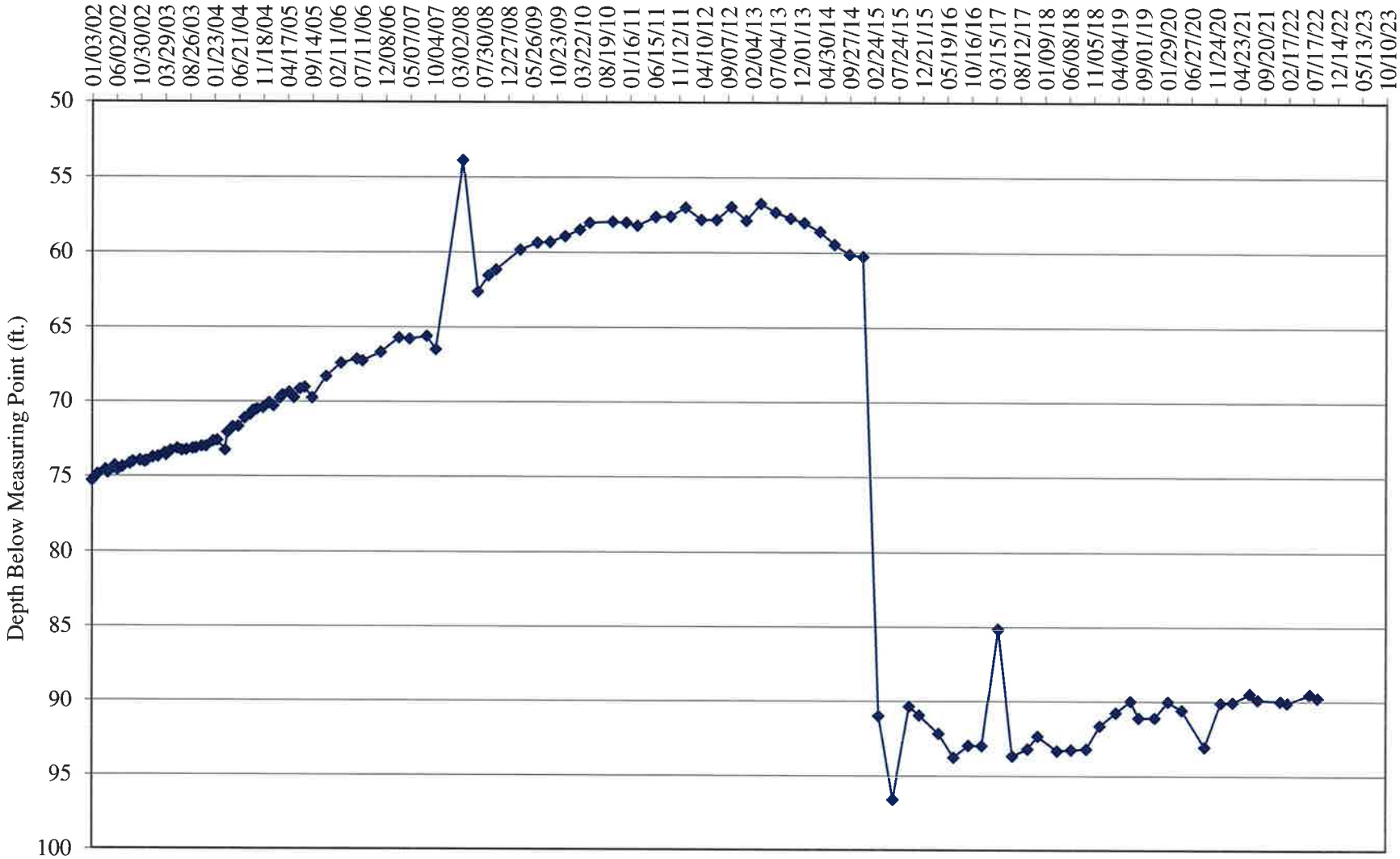
Water Levels and Data over Time
White Mesa Mill - Well TW4-11

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,621.92	5,623.62	1.70				102.4
5,553.86				09/12/05	69.76	68.06	
5,555.30				12/07/05	68.32	66.62	
5,556.20				03/08/06	67.42	65.72	
5,556.48				06/14/06	67.14	65.44	
5,556.37				07/18/06	67.25	65.55	
5,556.94				11/07/06	66.68	64.98	
5557.92				02/27/07	65.70	64.00	
5,557.84				05/02/07	65.78	64.08	
5,558.02				08/15/07	65.60	63.90	
5,557.13				10/10/07	66.49	64.79	
5,569.74				03/26/08	53.88	52.18	
5,561.01				06/24/08	62.61	60.91	
5,562.07				08/26/08	61.55	59.85	
5,562.47				10/14/08	61.15	59.45	
5,563.80				03/10/09	59.82	58.12	
5,564.27				06/24/09	59.35	57.65	
5,564.32				09/10/09	59.30	57.60	
5,564.70				12/11/09	58.92	57.22	
5,565.14				03/11/10	58.48	56.78	
5,565.61				05/11/10	58.01	56.31	
5,565.67				09/29/10	57.95	56.25	
5,565.62				12/21/10	58.00	56.30	
5,565.42				02/28/11	58.20	56.50	
5,566.01				06/21/11	57.61	55.91	
5,566.03				09/20/11	57.59	55.89	
5,566.63				12/21/11	56.99	55.29	
5,565.81				03/27/12	57.81	56.11	
5,565.82				06/28/12	57.80	56.10	
5,566.66				09/27/12	56.96	55.26	
5,565.77				12/28/12	57.85	56.15	
5,566.89				03/28/13	56.73	55.03	
5,566.32				06/27/13	57.30	55.60	
5,565.92				09/27/13	57.70	56.00	
5,565.63				12/20/13	57.99	56.29	
5,565.03				03/27/14	58.59	56.89	
5,564.18				06/25/14	59.44	57.74	
5,563.52				09/25/14	60.10	58.40	
5,563.37				12/17/14	60.25	58.55	
5,532.62				03/26/15	91.00	89.30	
5,527.07				06/22/15	96.55	94.85	
5,533.27				09/30/15	90.35	88.65	
5,532.67				12/02/15	90.95	89.25	
5,531.44				03/30/16	92.18	90.48	

Water Levels and Data over Time
White Mesa Mill - Well TW4-11

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,621.92	5,623.62	1.70				102.4
5,529.85				06/30/16	93.77	92.07	
5,530.64				09/29/16	92.98	91.28	
5,530.61				12/21/16	93.01	91.31	
5,538.48				03/30/17	85.14	83.44	
5,529.93				06/27/17	93.69	91.99	
5,530.41				09/28/17	93.21	91.51	
5,531.26				11/30/17	92.36	90.66	
5,530.28				03/28/18	93.34	91.64	
5,530.36				06/22/18	93.26	91.56	
5,530.41				09/24/18	93.21	91.51	
5,531.96				12/17/18	91.66	89.96	
5,532.84				03/25/19	90.78	89.08	
5,533.62				06/24/19	90.00	88.30	
5,532.49				08/12/19	91.13	89.43	
5,532.50				11/18/19	91.12	89.42	
5,533.60				02/10/20	90.02	88.32	
5,533.02				05/04/20	90.60	88.90	
5,530.54				09/21/20	93.08	91.38	
5,533.51				12/28/20	90.11	88.41	
5,533.54				03/11/21	90.08	88.38	
5,534.12				06/24/21	89.50	87.80	
5,533.72				08/13/21	89.90	88.20	
5,533.62				12/30/21	90.00	88.30	
5,533.51				02/10/22	90.11	88.41	
5,534.08				06/28/22	89.54	87.84	
5,533.84				08/15/22	89.78	88.08	

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



Water Levels and Data over Time
White Mesa Mill - Well TW4-12

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,622.38	5,624.23	1.85				103.2
5,580.91				08/23/02	43.32	41.47	
5,581.54				09/11/02	42.69	40.84	
5,581.33				10/23/02	42.90	41.05	
5,581.47				11/22/02	42.76	40.91	
5,581.55				12/03/02	42.68	40.83	
5,582.58				01/09/03	41.65	39.80	
5,582.47				02/12/03	41.76	39.91	
5,582.71				03/26/03	41.52	39.67	
5,582.11				04/02/03	42.12	40.27	
5,582.92				05/01/03	41.31	39.46	
5,583.13				06/09/03	41.10	39.25	
5,583.21				07/07/03	41.02	39.17	
5,583.31				08/04/03	40.92	39.07	
5,583.55				09/11/03	40.68	38.83	
5,583.72				10/02/03	40.51	38.66	
5,583.77				11/07/03	40.46	38.61	
5,584.01				12/03/03	40.22	38.37	
5,584.37				01/15/04	39.86	38.01	
5,584.39				02/10/04	39.84	37.99	
5,584.51				03/28/04	39.72	37.87	
5,584.90				04/12/04	39.33	37.48	
5,584.88				05/13/04	39.35	37.50	
5,584.93				06/18/04	39.30	37.45	
5,585.36				07/28/04	38.87	37.02	
5,585.38				08/30/04	38.85	37.00	
5,585.49				09/16/04	38.74	36.89	
5,585.85				10/11/04	38.38	36.53	
5,585.91				11/16/04	38.32	36.47	
5,586.35				12/22/04	37.88	36.03	
5,586.14				01/18/05	38.09	36.24	
5,586.56				02/28/05	37.67	35.82	
5,586.95				03/15/05	37.28	35.43	
5,587.20				04/26/05	37.03	35.18	
5,587.35				05/24/05	36.88	35.03	
5,587.58				06/30/05	36.65	34.80	
5,587.58				07/29/05	36.65	34.80	
5,587.94				09/12/05	36.29	34.44	
5,588.43				12/07/05	35.80	33.95	
5,588.92				03/08/06	35.31	33.46	
5,588.34				06/13/06	35.89	34.04	
5,588.33				07/18/06	35.90	34.05	
5,584.70				11/07/06	39.53	37.68	
5588.85				02/27/07	35.38	33.53	

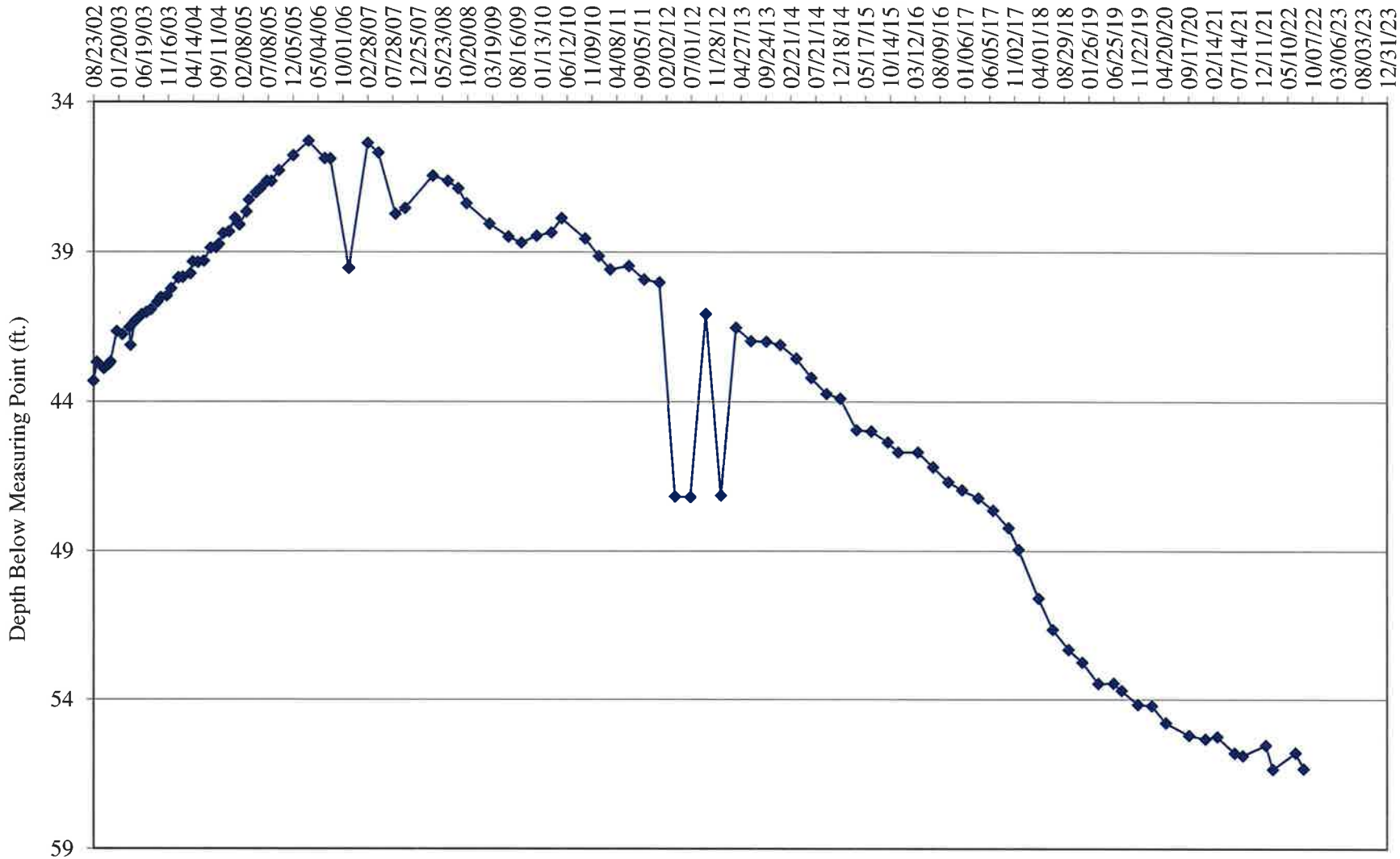
Water Levels and Data over Time
White Mesa Mill - Well TW4-12

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,622.38	5,624.23	1.85				103.2
5,588.53				05/02/07	35.70	33.85	
5,586.49				08/14/07	37.74	35.89	
5,586.68				10/10/07	37.55	35.70	
5,587.76				03/26/08	36.47	34.62	
5,587.59				06/24/08	36.64	34.79	
5,587.35				08/26/08	36.88	35.03	
5,586.84				10/14/08	37.39	35.54	
5,586.17				03/03/09	38.06	36.21	
5,585.74				06/24/09	38.49	36.64	
5,585.54				09/10/09	38.69	36.84	
5,585.77				12/11/09	38.46	36.61	
5,585.88				03/11/10	38.35	36.50	
5,586.35				05/11/10	37.88	36.03	
5,585.68				09/29/10	38.55	36.70	
5,585.09				12/21/10	39.14	37.29	
5,584.65				02/28/11	39.58	37.73	
5,584.76				06/21/11	39.47	37.62	
5,584.32				09/20/11	39.91	38.06	
5,584.22				12/21/11	40.01	38.16	
5,577.07				03/27/12	47.16	45.31	
5,577.05				06/28/12	47.18	45.33	
5,583.14				09/27/12	41.09	39.24	
5,577.10				12/28/12	47.13	45.28	
5,582.71				03/28/13	41.52	39.67	
5,582.25				06/27/13	41.98	40.13	
5,582.24				09/27/13	41.99	40.14	
5,582.12				12/20/13	42.11	40.26	
5,581.67				03/27/14	42.56	40.71	
5,581.03				06/25/14	43.20	41.35	
5,580.49				09/25/14	43.74	41.89	
5,580.33				12/17/14	43.90	42.05	
5,579.28				03/26/15	44.95	43.10	
5,579.23				06/22/15	45.00	43.15	
5,578.87				09/30/15	45.36	43.51	
5,578.53				12/02/15	45.70	43.85	
5,578.53				03/30/16	45.70	43.85	
5,578.03				06/30/16	46.20	44.35	
5,577.54				09/29/16	46.69	44.84	
5,577.27				12/21/16	46.96	45.11	
5,577.00				03/30/17	47.23	45.38	
5,576.59				06/27/17	47.64	45.79	
5,576.00				09/28/17	48.23	46.38	
5,575.27				11/29/17	48.96	47.11	

Water Levels and Data over Time
White Mesa Mill - Well TW4-12

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,622.38	5,624.23	1.85				103.2
5,573.64				03/28/18	50.59	48.74	
5,572.58				06/22/18	51.65	49.80	
5,571.91				09/25/18	52.32	50.47	
5,571.49				12/17/18	52.74	50.89	
5,570.77				03/25/19	53.46	51.61	
5,570.78				06/24/19	53.45	51.60	
5,570.54				08/12/19	53.69	51.84	
5,570.06				11/18/19	54.17	52.32	
5,570.02				02/10/20	54.21	52.36	
5,569.45				05/04/20	54.78	52.93	
5,569.03				09/22/20	55.20	53.35	
5,568.91				12/30/20	55.32	53.47	
5,568.99				03/11/21	55.24	53.39	
5,568.44				06/24/21	55.79	53.94	
5,568.35				08/13/21	55.88	54.03	
5,568.70				12/30/21	55.53	53.68	
5,567.90				02/10/22	56.33	54.48	
5,568.45				06/28/22	55.78	53.93	
5,567.92				08/15/22	56.31	54.46	

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



Water Levels and Data over Time
White Mesa Mill - Well TW4-13

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,618.09	5,619.94	1.85				105.7
5,529.66				08/23/02	90.28	88.43	
5,530.66				09/11/02	89.28	87.43	
5,529.10				10/23/02	90.84	88.99	
5,530.58				11/22/02	89.36	87.51	
5,530.61				12/03/02	89.33	87.48	
5,529.74				01/09/03	90.20	88.35	
5,531.03				02/12/03	88.91	87.06	
5,531.82				03/26/03	88.12	86.27	
5,524.63				04/02/03	95.31	93.46	
5,531.54				05/01/03	88.40	86.55	
5,538.46				06/09/03	81.48	79.63	
5,539.38				07/07/03	80.56	78.71	
5,540.72				08/04/03	79.22	77.37	
5,541.25				09/11/03	78.69	76.84	
5,541.34				10/02/03	78.60	76.75	
5,541.69				11/07/03	78.25	76.40	
5,541.91				12/03/03	78.03	76.18	
5,542.44				01/15/04	77.50	75.65	
5,542.47				02/10/04	77.47	75.62	
5,542.84				03/28/04	77.10	75.25	
5,543.08				04/12/04	76.86	75.01	
5,543.34				05/13/04	76.60	74.75	
5,543.40				06/18/04	76.54	74.69	
5,544.06				07/28/04	75.88	74.03	
5,544.61				08/30/04	75.33	73.48	
5,545.23				09/16/04	74.71	72.86	
5,546.20				10/11/04	73.74	71.89	
5,547.43				11/16/04	72.51	70.66	
5,548.96				12/22/04	70.98	69.13	
5,549.02				01/18/05	70.92	69.07	
5,550.66				02/28/05	69.28	67.43	
5,551.26				03/15/05	68.68	66.83	
5,552.23				04/26/05	67.71	65.86	
5,552.87				05/24/05	67.07	65.22	
5,553.42				06/30/05	66.52	64.67	
5,554.00				07/29/05	65.94	64.09	
5,555.21				09/12/05	64.73	62.88	
5,558.13				12/07/05	61.81	59.96	
5,562.93				03/08/06	57.01	55.16	
5,564.39				06/13/06	55.55	53.70	
5,562.09				07/18/06	57.85	56.00	
5,565.49				11/07/06	54.45	52.60	
5,571.08				02/27/07	48.86	47.01	

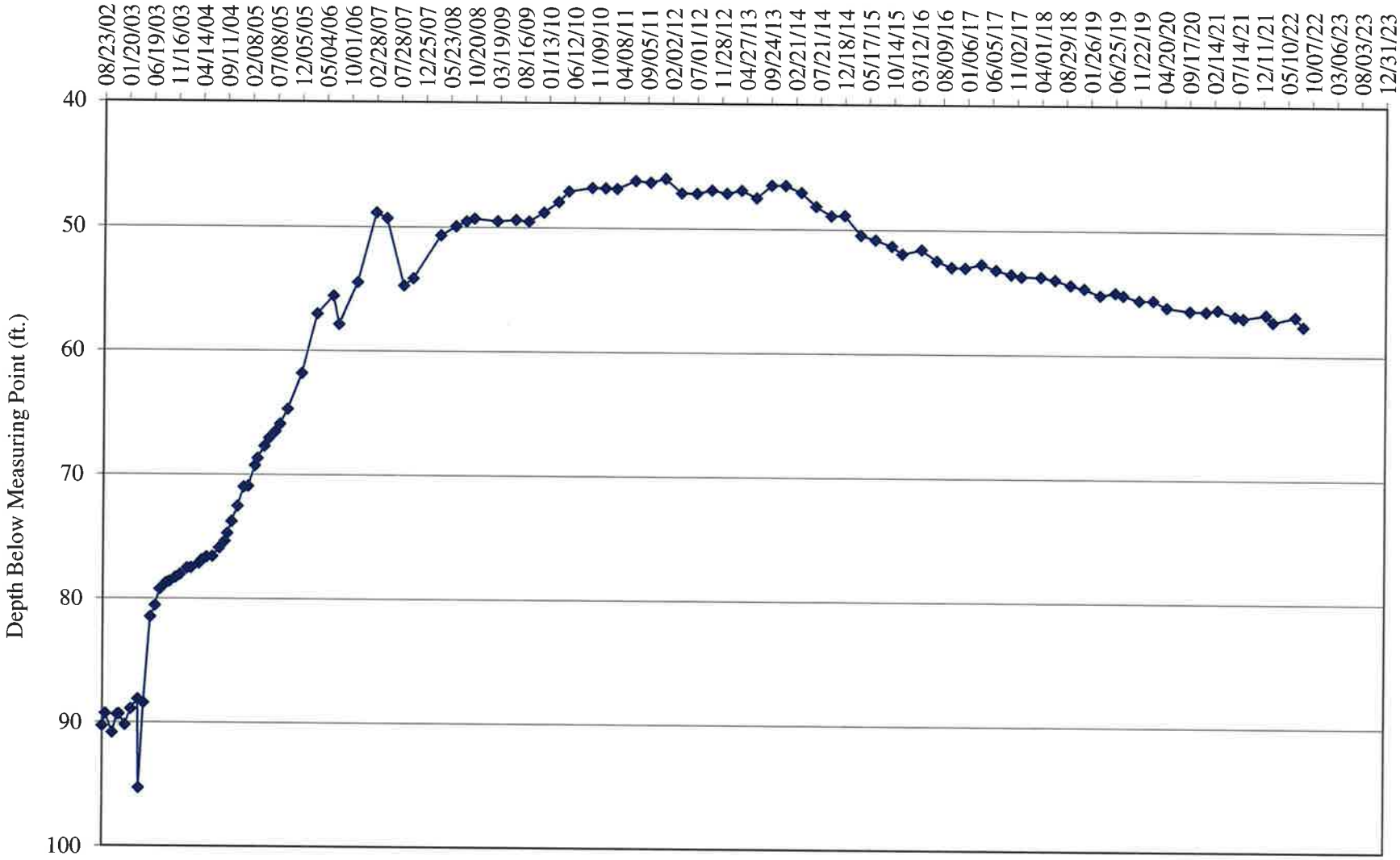
Water Levels and Data over Time
White Mesa Mill - Well TW4-13

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,618.09	5,619.94	1.85				105.7
5,570.63				05/02/07	49.31	47.46	
5,565.24				08/14/07	54.70	52.85	
5,565.83				10/10/07	54.11	52.26	
5,569.29				03/26/08	50.65	48.80	
5,570.00				06/24/08	49.94	48.09	
5,570.41				08/26/08	49.53	47.68	
5,570.64				10/14/08	49.30	47.45	
5,570.43				03/03/09	49.51	47.66	
5,570.56				06/24/09	49.38	47.53	
5,570.42				09/10/09	49.52	47.67	
5,571.15				12/11/09	48.79	46.94	
5,572.01				03/11/10	47.93	46.08	
5,572.88				05/11/10	47.06	45.21	
5,573.17				09/29/10	46.77	44.92	
5,573.14				12/21/10	46.80	44.95	
5,573.10				02/28/11	46.84	44.99	
5,573.75				06/21/11	46.19	44.34	
5,573.63				09/20/11	46.31	44.46	
5,573.94				12/21/11	46.00	44.15	
5,572.79				03/27/12	47.15	45.30	
5,572.77				06/28/12	47.17	45.32	
5,573.04				09/27/12	46.90	45.05	
5,572.79				12/28/12	47.15	45.30	
5,573.03				03/28/13	46.91	45.06	
5,572.44				06/27/13	47.50	45.65	
5,573.46				09/27/13	46.48	44.63	
5,573.46				12/20/13	46.48	44.63	
5,572.90				03/27/14	47.04	45.19	
5,571.79				06/25/14	48.15	46.30	
5,571.04				09/25/14	48.90	47.05	
5,571.08				12/17/14	48.86	47.01	
5,569.50				03/26/15	50.44	48.59	
5,569.16				06/22/15	50.78	48.93	
5,568.66				09/30/15	51.28	49.43	
5,568.02				12/02/15	51.92	50.07	
5,568.39				03/30/16	51.55	49.70	
5,567.49				06/30/16	52.45	50.60	
5,566.99				09/29/16	52.95	51.10	
5,566.94				12/21/16	53.00	51.15	
5,567.24				03/30/17	52.70	50.85	
5,566.79				06/27/17	53.15	51.30	
5,566.43				09/28/17	53.51	51.66	
5,566.28				11/29/17	53.66	51.81	

Water Levels and Data over Time
White Mesa Mill - Well TW4-13

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,618.09	5,619.94	1.85				105.7
5,566.24				03/28/18	53.70	51.85	
5,566.03				06/22/18	53.91	52.06	
5,565.61				09/25/18	54.33	52.48	
5,565.32				12/17/18	54.62	52.77	
5,564.78				03/25/19	55.16	53.31	
5,564.99				06/24/19	54.95	53.10	
5,564.78				08/12/19	55.16	53.31	
5,564.39				11/18/19	55.55	53.70	
5,564.39				02/10/20	55.55	53.70	
5,563.82				05/04/20	56.12	54.27	
5,563.55				09/22/20	56.39	54.54	
5,563.51				12/30/20	56.43	54.58	
5,563.66				03/11/21	56.28	54.43	
5,563.14				06/24/21	56.80	54.95	
5,562.99				08/13/21	56.95	55.10	
5,563.28				12/30/21	56.66	54.81	
5,562.69				02/10/22	57.25	55.40	
5,563.11				06/28/22	56.83	54.98	
5,562.34				08/15/22	57.60	55.75	

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



Water Levels and Data over Time
White Mesa Mill - Well TW4-14

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,610.92	5,612.77	1.85				95.1
5,518.90				08/23/02	93.87	92.02	
5,519.28				09/11/02	93.49	91.64	
5,519.95				10/23/02	92.82	90.97	
5,520.32				11/22/02	92.45	90.60	
5,520.42				12/03/02	92.35	90.50	
5,520.70				01/09/03	92.07	90.22	
5,520.89				02/12/03	91.88	90.03	
5,521.12				03/26/03	91.65	89.80	
5,521.12				04/02/03	91.65	89.80	
5,521.24				05/01/03	91.53	89.68	
5,521.34				06/09/03	91.43	89.58	
5,521.36				07/07/03	91.41	89.56	
5,521.35				08/04/03	91.42	89.57	
5,521.30				09/11/03	91.47	89.62	
5,521.35				10/02/03	91.42	89.57	
5,521.36				11/07/03	91.41	89.56	
5,521.16				12/03/03	91.61	89.76	
5,521.29				01/15/04	91.48	89.63	
5,521.36				02/10/04	91.41	89.56	
5,521.46				03/28/04	91.31	89.46	
5,521.54				04/12/04	91.23	89.38	
5,521.59				05/13/04	91.18	89.33	
5,521.69				06/18/04	91.08	89.23	
5,521.71				07/28/04	91.06	89.21	
5,521.76				08/30/04	91.01	89.16	
5,521.77				09/16/04	91.00	89.15	
5,521.79				10/11/04	90.98	89.13	
5,521.80				11/16/04	90.97	89.12	
5,521.82				12/22/04	90.95	89.10	
5,521.82				01/18/05	90.95	89.10	
5,521.86				02/28/05	90.91	89.06	
5,521.85				03/15/05	90.92	89.07	
5,521.91				04/26/05	90.86	89.01	
5,521.93				05/24/05	90.84	88.99	
5,521.94				06/30/05	90.83	88.98	
5,521.84				07/29/05	90.93	89.08	
5,521.99				09/12/05	90.78	88.93	
5,522.04				12/07/05	90.73	88.88	
5,522.05				03/08/06	90.72	88.87	
5,522.27				06/13/06	90.50	88.65	
5,521.92				07/18/06	90.85	89.00	
5,520.17				11/07/06	92.60	90.75	
5,522.24				02/27/07	90.53	88.68	

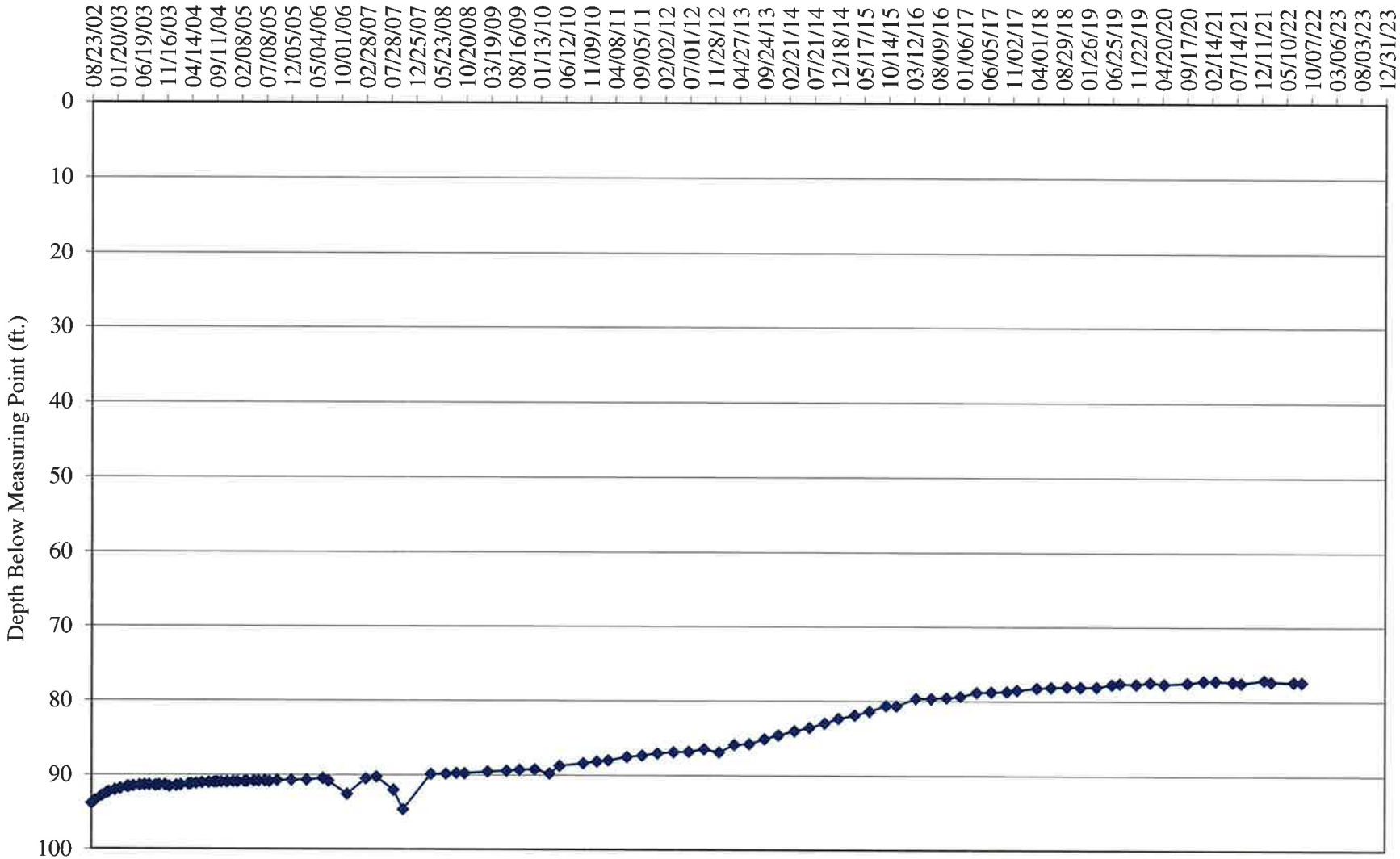
Water Levels and Data over Time
White Mesa Mill - Well TW4-14

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,610.92	5,612.77	1.85				95.1
5,522.47				05/02/07	90.30	88.45	
5,520.74				08/14/07	92.03	90.18	
5,518.13				10/10/07	94.64	92.79	
5,522.85				03/26/08	89.92	88.07	
5,522.91				06/24/08	89.86	88.01	
5,523.01				08/26/08	89.76	87.91	
5,522.96				10/14/08	89.81	87.96	
5,523.20				03/03/09	89.57	87.72	
5,523.33				06/24/09	89.44	87.59	
5,523.47				09/10/09	89.30	87.45	
5,523.54				12/11/09	89.23	87.38	
5,522.98				03/11/10	89.79	87.94	
5,524.01				05/11/10	88.76	86.91	
5,524.37				09/29/10	88.40	86.55	
5,524.62				12/21/10	88.15	86.30	
5,524.78				02/28/11	87.99	86.14	
5,525.23				06/21/11	87.54	85.69	
5,525.45				09/20/11	87.32	85.47	
5,525.72				12/21/11	87.05	85.20	
5,525.88				03/27/12	86.89	85.04	
5,525.97				06/28/12	86.80	84.95	
5,526.32				09/27/12	86.45	84.60	
5,525.88				12/28/12	86.89	85.04	
5,526.91				03/28/13	85.86	84.01	
5,526.99				06/27/13	85.78	83.93	
5,527.68				09/27/13	85.09	83.24	
5,528.19				12/20/13	84.58	82.73	
5,528.75				03/27/14	84.02	82.17	
5,529.21				06/25/14	83.56	81.71	
5,529.78				09/25/14	82.99	81.14	
5,530.41				12/17/14	82.36	80.51	
5,530.86				03/26/15	81.91	80.06	
5,531.40				06/22/15	81.37	79.52	
5,532.15				09/30/15	80.62	78.77	
5,532.12				12/02/15	80.65	78.80	
5,533.12				03/30/16	79.65	77.80	
5,533.13				06/30/16	79.64	77.79	
5,533.24				09/29/16	79.53	77.68	
5,533.42				12/21/16	79.35	77.50	
5,533.97				03/30/17	78.80	76.95	
5,534.05				06/27/17	78.72	76.87	
5,534.07				09/28/17	78.70	76.85	
5,534.29				11/29/17	78.48	76.63	

Water Levels and Data over Time
White Mesa Mill - Well TW4-14

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,610.92	5,612.77	1.85				95.1
5,534.56				03/28/18	78.21	76.36	
5,534.67				06/22/18	78.10	76.25	
5,534.75				09/25/18	78.02	76.17	
5,534.71				12/17/18	78.06	76.21	
5,534.71				03/25/19	78.06	76.21	
5,535.04				06/24/19	77.73	75.88	
5,535.17				08/12/19	77.60	75.75	
5,535.09				11/18/19	77.68	75.83	
5,535.31				02/10/20	77.46	75.61	
5,535.12				05/04/20	77.65	75.80	
5,535.25				09/22/20	77.52	75.67	
5,535.54				12/30/20	77.23	75.38	
5,535.55				03/11/21	77.22	75.37	
5,535.41				06/24/21	77.36	75.51	
5,535.25				08/13/21	77.52	75.67	
5,535.65				12/30/21	77.12	75.27	
5,535.43				02/10/22	77.34	75.49	
5,535.40				06/28/22	77.37	75.52	
5,535.37				08/15/22	77.40	75.55	

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



Water Levels and Data over Time
White Mesa Mill - Well MW-26

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,624.15	5,625.45	1.30				121.33
5,574.75				08/23/02	50.70	49.40	
5,574.97				09/11/02	50.48	49.18	
5,575.10				10/23/02	50.35	49.05	
5,574.99				11/22/02	50.46	49.16	
5,575.28				12/03/02	50.17	48.87	
5,575.41				01/09/03	50.04	48.74	
5,575.43				02/12/03	50.02	48.72	
5,575.63				03/26/03	49.82	48.52	
5,575.91				04/02/03	49.54	48.24	
5,575.81				05/01/03	49.64	48.34	
5,572.36				06/09/03	53.09	51.79	
5,570.70				07/07/03	54.75	53.45	
5,570.29				08/04/03	55.16	53.86	
5,560.94				09/11/03	64.51	63.21	
5,560.63				10/02/03	64.82	63.52	
5,560.56				11/07/03	64.89	63.59	
5,564.77				12/03/03	60.68	59.38	
5,570.89				01/15/04	54.56	53.26	
5,572.55				02/10/04	52.90	51.60	
5,574.25				03/28/04	51.20	49.90	
5,574.77				04/12/04	50.68	49.38	
5,575.53				05/13/04	49.92	48.62	
5,575.59				06/18/04	49.86	48.56	
5,576.82				07/28/04	48.63	47.33	
5,527.47				09/16/04	97.98	96.68	
5,553.97				11/16/04	71.48	70.18	
5,562.33				12/22/04	63.12	61.82	
5,550.00				01/18/05	75.45	74.15	
5,560.02				04/26/05	65.43	64.13	
5,546.11				05/24/05	79.34	78.04	
5,556.71				06/30/05	68.74	67.44	
5,554.95				07/29/05	70.50	69.20	
5,555.48				09/12/05	69.97	68.67	
5,551.09				12/07/05	74.36	73.06	
5,552.85				03/08/06	72.60	71.30	
5,554.30				06/13/06	71.15	69.85	
5,554.87				07/18/06	70.58	69.28	
5,550.88				11/07/06	74.57	73.27	
5,558.77				02/27/07	66.68	65.38	
5,548.54				05/02/07	76.91	75.61	
5,551.33				10/10/07	74.12	72.82	
5,545.56				03/26/08	79.89	78.59	
5,545.56				06/25/08	79.89	78.59	

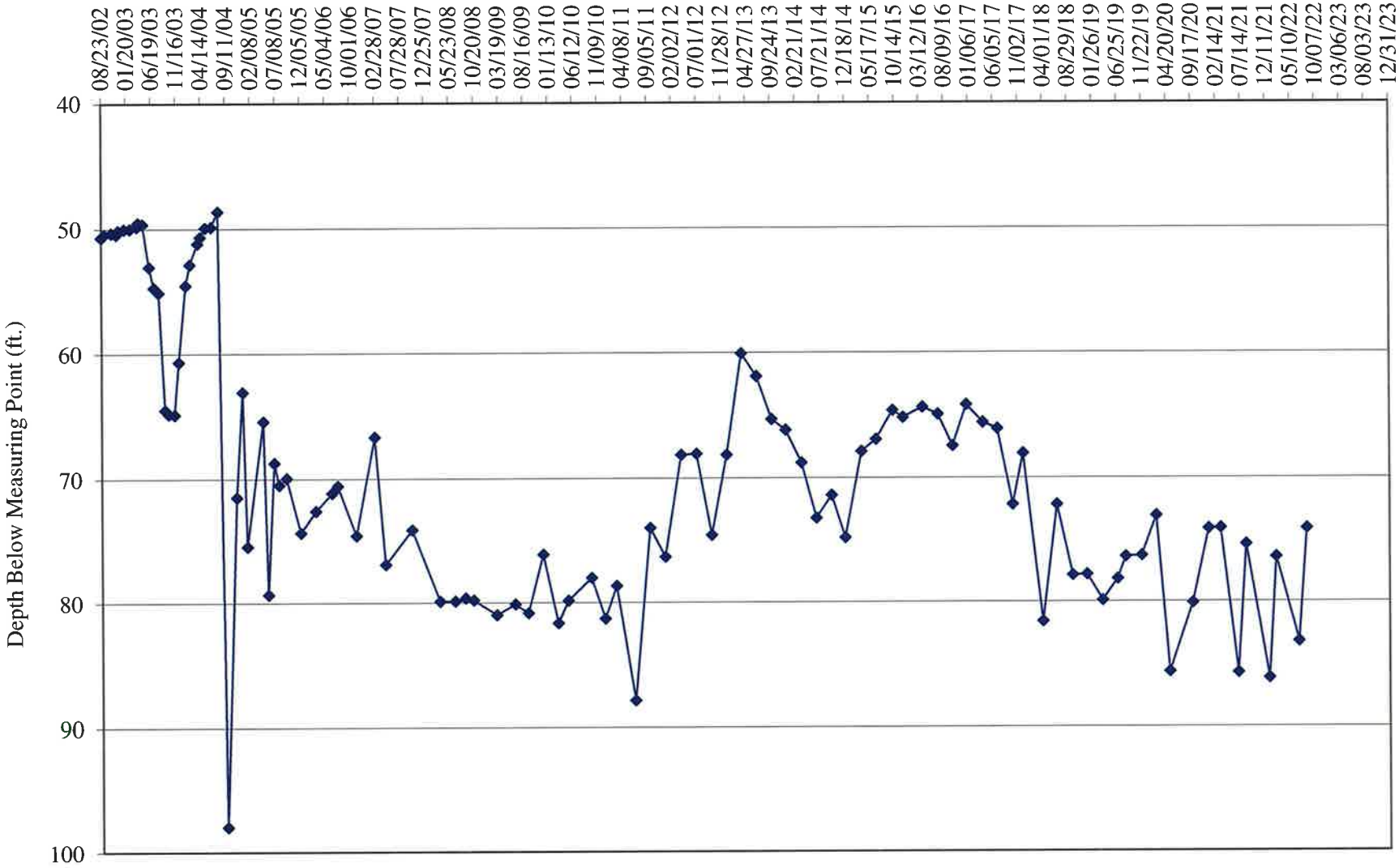
Water Levels and Data over Time
White Mesa Mill - Well MW-26

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,624.15	5,625.45	1.30				121.33
5,545.82				08/26/08	79.63	78.33	
5,545.64				10/14/08	79.81	78.51	
5,544.45				03/03/09	81.00	79.70	
5,545.32				06/24/09	80.13	78.83	
5,544.61				09/10/09	80.84	79.54	
5,549.33				12/11/09	76.12	74.82	
5,543.78				03/11/10	81.67	80.37	
5,545.61				05/11/10	79.84	78.54	
5,547.43				09/29/10	78.02	76.72	
5,544.14				12/21/10	81.31	80.01	
5,546.77				02/28/11	78.68	77.38	
5,537.60				06/21/11	87.85	86.55	
5,551.46				09/20/11	73.99	72.69	
5,549.12				12/21/11	76.33	75.03	
5,557.30				03/27/12	68.15	66.85	
5,557.38				06/28/12	68.07	66.77	
5,550.86				09/27/12	74.59	73.29	
5,557.30				12/28/12	68.15	66.85	
5,565.37				03/28/13	60.08	58.78	
5,563.55				06/27/13	61.90	60.60	
5,560.12				09/27/13	65.33	64.03	
5,559.27				12/20/13	66.18	64.88	
5,556.65				03/27/14	68.80	67.50	
5,552.23				06/25/14	73.22	71.92	
5,554.05				09/25/14	71.40	70.10	
5,550.65				12/17/14	74.80	73.50	
5,557.55				03/26/15	67.90	66.60	
5,558.51				06/22/15	66.94	65.64	
5,560.81				09/30/15	64.64	63.34	
5,560.25				12/02/15	65.20	63.90	
5,561.07				03/30/16	64.38	63.08	
5,560.51				06/30/16	64.94	63.64	
5,557.99				09/29/16	67.46	66.16	
5,561.26				12/21/16	64.19	62.89	
5,559.85				03/30/17	65.60	64.30	
5,559.35				06/27/17	66.10	64.80	
5,553.30				09/28/17	72.15	70.85	
5,557.38				11/30/17	68.07	66.77	
5,543.85				03/28/18	81.60	80.30	
5,553.27				06/22/18	72.18	70.88	
5,547.57				09/24/18	77.88	76.58	
5,547.63				12/20/18	77.82	76.52	
5,545.54				03/25/19	79.91	78.61	

Water Levels and Data over Time
White Mesa Mill - Well MW-26

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,624.15	5,625.45	1.30				121.33
5,547.27				06/24/19	78.18	76.88	
5,549.07				08/12/19	76.38	75.08	
5,549.15				11/18/19	76.30	75.00	
5,552.38				02/13/20	73.07	71.77	
5,539.82				05/04/20	85.63	84.33	
5,545.34				09/21/20	80.11	78.81	
5,551.33				12/28/20	74.12	72.82	
5,551.37				03/11/21	74.08	72.78	
5,539.74				06/24/21	85.71	84.41	
5,550.05				08/11/21	75.40	74.10	
5,539.30				12/30/21	86.15	84.85	
5,549.04				02/10/22	76.41	75.11	
5,542.23				06/28/22	83.22	81.92	
5,551.32				08/15/22	74.13	72.83	

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



Water Levels and Data over Time
White Mesa Mill - Well TW4-16

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,625.28	5,628.65	3.37				147.6
5,562.91				08/23/02	61.11	57.74	
5,563.45				09/11/02	60.57	57.20	
5,563.75				10/23/02	60.27	56.90	
5,563.68				11/22/02	60.34	56.97	
5,563.68				12/03/02	60.34	56.97	
5,564.16				01/09/03	59.86	56.49	
5,564.25				02/12/03	59.77	56.40	
5,564.53				03/26/03	59.49	56.12	
5,564.46				04/02/03	59.56	56.19	
5,564.79				05/01/03	59.23	55.86	
5,564.31				06/09/03	59.71	56.34	
5,563.29				07/07/03	60.73	57.36	
5,562.76				08/04/03	61.26	57.89	
5,561.73				09/11/03	62.29	58.92	
5,561.04				10/02/03	62.98	59.61	
5,560.39				11/07/03	63.63	60.26	
5,559.79				12/03/03	64.23	60.86	
5,561.02				01/15/04	63.00	59.63	
5,561.75				02/10/04	62.27	58.90	
5,562.98				03/28/04	61.04	57.67	
5,563.29				04/12/04	60.73	57.36	
5,564.03				05/13/04	59.99	56.62	
5,564.09				06/18/04	59.93	56.56	
5,565.08				07/28/04	58.94	55.57	
5,564.56				08/30/04	59.46	56.09	
5,563.55				09/16/04	60.47	57.10	
5,561.79				10/11/04	62.23	58.86	
5,560.38				11/16/04	63.64	60.27	
5,559.71				12/22/04	64.31	60.94	
5,559.14				01/18/05	64.88	61.51	
5,558.65				02/28/05	65.37	62.00	
5,558.54				03/15/05	65.48	62.11	
5,558.22				04/26/05	65.80	62.43	
5,558.54				05/24/05	65.48	62.11	
5,559.24				06/30/05	64.78	61.41	
5,559.38				07/29/05	64.64	61.27	
5,559.23				09/12/05	64.79	61.42	
5,557.67				12/07/05	66.35	62.98	
5,557.92				03/08/06	66.10	62.73	
5,558.47				06/13/06	65.55	62.18	
5,558.42				07/18/06	65.60	62.23	
5,558.09				11/07/06	65.93	62.56	
5,557.34				02/27/07	66.68	63.31	

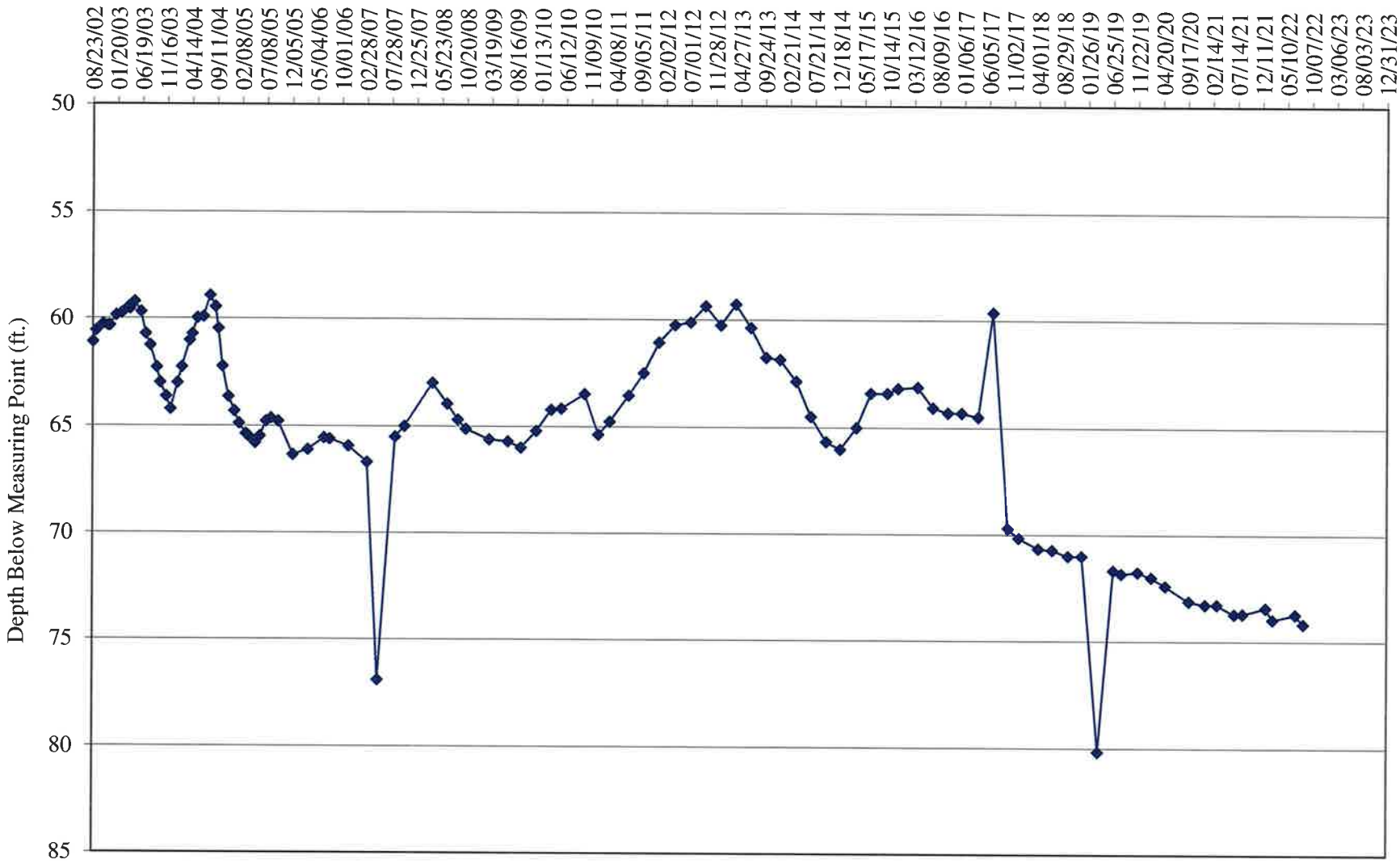
Water Levels and Data over Time
White Mesa Mill - Well TW4-16

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,625.28	5,628.65	3.37				147.6
5,547.11				05/02/07	76.91	73.54	
5,558.52				08/14/07	65.50	62.13	
5,559.02				10/10/07	65.00	61.63	
5,561.04				03/26/08	62.98	59.61	
5,560.06				06/24/08	63.96	60.59	
5,559.32				08/26/08	64.70	61.33	
5,558.89				10/14/08	65.13	61.76	
5,558.40				03/03/09	65.62	62.25	
5,558.32				06/24/09	65.70	62.33	
5,558.03				09/10/09	65.99	62.62	
5,558.81				12/11/09	65.21	61.84	
5,559.80				03/11/10	64.22	60.85	
5,559.85				05/11/10	64.17	60.80	
5,560.54				09/29/10	63.48	60.11	
5,558.65				12/21/10	65.37	62.00	
5,559.26				02/28/11	64.76	61.39	
5,560.48				06/21/11	63.54	60.17	
5,561.52				09/20/11	62.50	59.13	
5,562.95				12/21/11	61.07	57.70	
5,563.76				03/27/12	60.26	56.89	
5,563.90				06/28/12	60.12	56.75	
5,564.65				09/27/12	59.37	56.00	
5,563.77				12/28/12	60.25	56.88	
5,564.74				03/28/13	59.28	55.91	
5,563.66				06/27/13	60.36	56.99	
5,562.27				09/27/13	61.75	58.38	
5,562.17				12/20/13	61.85	58.48	
5,561.17				03/27/14	62.85	59.48	
5,559.53				06/25/14	64.49	61.12	
5,558.36				09/25/14	65.66	62.29	
5,558.00				12/17/14	66.02	62.65	
5,559.02				03/26/15	65.00	61.63	
5,560.62				06/22/15	63.40	60.03	
5,560.62				09/30/15	63.40	60.03	
5,560.85				12/02/15	63.17	59.80	
5,560.92				03/30/16	63.10	59.73	
5,559.95				06/30/16	64.07	60.70	
5,559.72				09/29/16	64.30	60.93	
5,559.71				12/21/16	64.31	60.94	
5,559.53				03/30/17	64.49	61.12	
5,569.02				06/27/17	59.63	56.26	
5,558.97				09/28/17	69.68	66.31	
5,558.51				11/30/17	70.14	66.77	

Water Levels and Data over Time
White Mesa Mill - Well TW4-16

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,625.28	5,628.65	3.37				147.6
5,558.00				03/29/18	70.65	67.28	
5,557.94				06/22/18	70.71	67.34	
5,557.67				09/25/18	70.98	67.61	
5,557.66				12/17/18	70.99	67.62	
5,548.49				03/25/19	80.16	76.79	
5,556.98				06/24/19	71.67	68.30	
5,556.83				08/12/19	71.82	68.45	
5,556.90				11/18/19	71.75	68.38	
5,556.65				02/10/20	72.00	68.63	
5,556.25				05/04/20	72.40	69.03	
5,555.53				09/22/20	73.12	69.75	
5,555.37				12/30/20	73.28	69.91	
5,555.38				03/11/21	73.27	69.9	
5,554.94				06/24/21	73.71	70.34	
5,554.95				08/13/21	73.70	70.33	
5,555.23				12/30/21	73.42	70.05	
5,554.68				02/10/22	73.97	70.60	
5,554.93				06/28/22	73.72	70.35	
5,554.47				08/15/22	74.18	70.81	

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



Water Levels and Data over Time
White Mesa Mill - Well MW-32

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,623.41	5,625.24	1.83				130.6
5,542.17				08/23/02	83.07	81.24	
5,542.39				09/11/02	82.85	81.02	
5,542.61				10/23/02	82.63	80.80	
5,542.49				11/22/02	82.75	80.92	
5,542.82				12/03/02	82.42	80.59	
5,543.03				01/09/03	82.21	80.38	
5,543.04				02/12/03	82.20	80.37	
5,543.41				03/26/03	81.83	80.00	
5,543.69				04/02/03	81.55	79.72	
5,543.77				05/01/03	81.47	79.64	
5,544.01				06/09/03	81.23	79.40	
5,544.05				07/07/03	81.19	79.36	
5,543.99				08/04/03	81.25	79.42	
5,544.17				09/11/03	81.07	79.24	
5,544.06				10/02/03	81.18	79.35	
5,544.03				11/07/03	81.21	79.38	
5,543.94				12/03/03	81.30	79.47	
5,543.98				01/15/04	81.26	79.43	
5,543.85				02/10/04	81.39	79.56	
5,544.05				03/28/04	81.19	79.36	
5,544.33				04/12/04	80.91	79.08	
5,544.55				05/13/04	80.69	78.86	
5,544.59				06/18/04	80.65	78.82	
5,545.08				07/28/04	80.16	78.33	
5,545.26				08/30/04	79.98	78.15	
5,545.48				09/16/04	79.76	77.93	
5,545.61				10/11/04	79.63	77.80	
5,545.46				11/16/04	79.78	77.95	
5,545.66				12/22/04	79.58	77.75	
5,545.33				01/18/05	79.91	78.08	
5,545.51				02/28/05	79.73	77.90	
5,545.57				03/15/05	79.67	77.84	
5,545.46				04/26/05	79.78	77.95	
5,545.45				05/24/05	79.79	77.96	
5,545.33				06/30/05	79.91	78.08	
5,545.16				07/29/05	80.08	78.25	
5,545.54				09/12/05	79.70	77.87	
5,545.77				12/07/05	79.47	77.64	
5,546.09				03/08/06	79.15	77.32	
5,545.94				06/13/06	79.30	77.47	
5,545.94				07/18/06	79.30	77.47	
5,546.24				11/07/06	79.00	77.17	
5,546.81				02/27/07	78.43	76.60	

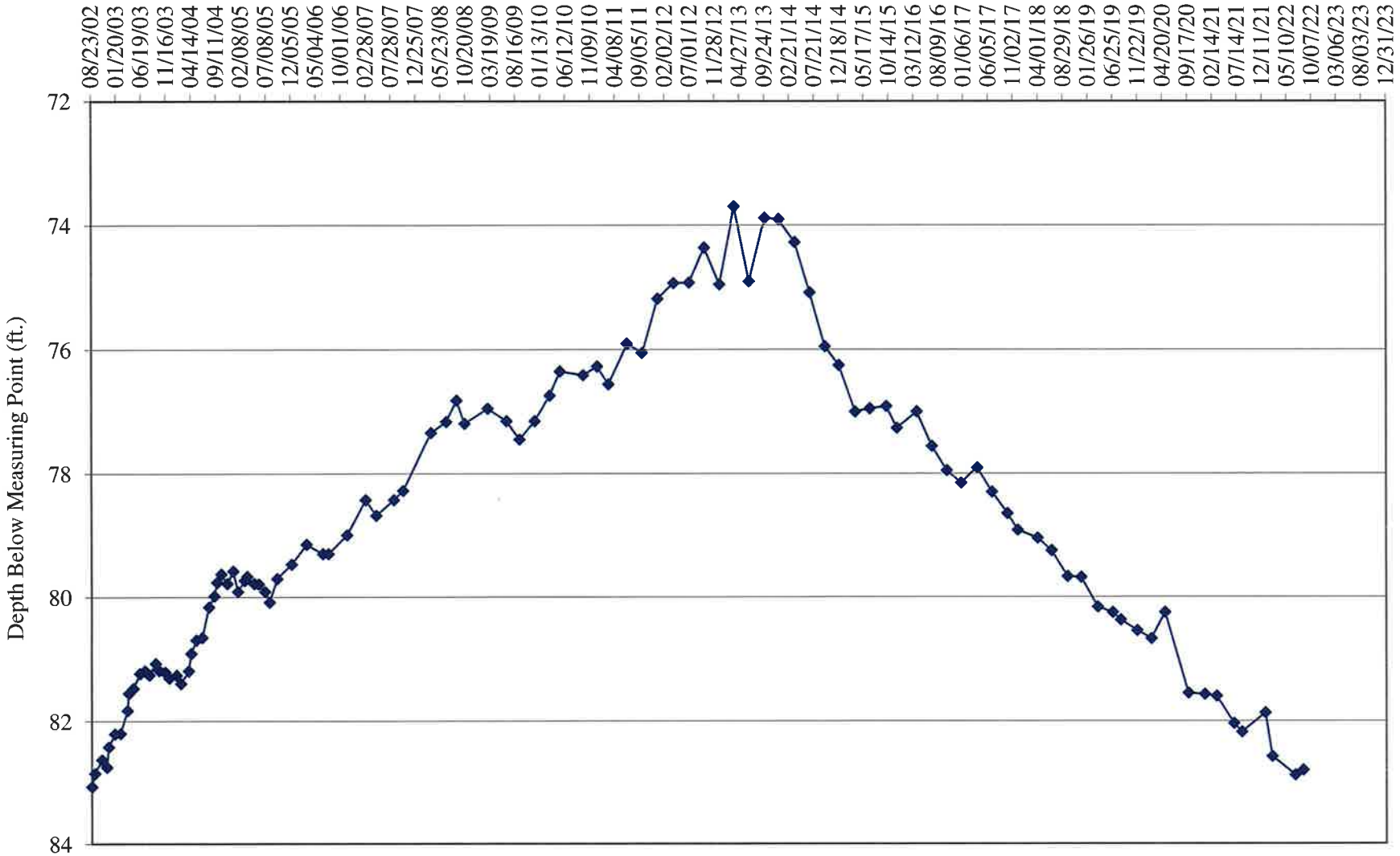
Water Levels and Data over Time
White Mesa Mill - Well MW-32

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,623.41	5,625.24	1.83				130.6
5,546.56				05/02/07	78.68	76.85	
5,546.81				08/15/07	78.43	76.6	
5,546.96				10/10/07	78.28	76.45	
5,547.90				03/26/08	77.34	75.51	
5,548.08				06/25/08	77.16	75.33	
5,548.42				08/26/08	76.82	74.99	
5,548.05				10/14/08	77.19	75.36	
5,548.29				03/03/09	76.95	75.12	
5,548.09				06/24/09	77.15	75.32	
5,547.79				09/10/09	77.45	75.62	
5,548.09				12/11/09	77.15	75.32	
5,548.50				03/11/10	76.74	74.91	
5,548.89				05/11/10	76.35	74.52	
5,548.83				09/29/10	76.41	74.58	
5,548.97				12/21/10	76.27	74.44	
5,548.68				02/28/11	76.56	74.73	
5,549.33				06/21/11	75.91	74.08	
5,549.19				09/20/11	76.05	74.22	
5,550.06				12/21/11	75.18	73.35	
5,550.31				03/27/12	74.93	73.10	
5,550.32				06/28/12	74.92	73.09	
5,550.88				09/27/12	74.36	72.53	
5,550.29				12/28/12	74.95	73.12	
5,551.54				03/28/13	73.70	71.87	
5,550.34				06/27/13	74.90	73.07	
5,551.35				09/27/13	73.89	72.06	
5,551.33				12/20/13	73.91	72.08	
5,550.97				03/27/14	74.27	72.44	
5,550.16				06/25/14	75.08	73.25	
5,549.29				09/25/14	75.95	74.12	
5,548.99				12/17/14	76.25	74.42	
5,548.24				03/26/15	77.00	75.17	
5,548.29				06/22/15	76.95	75.12	
5,548.33				09/30/15	76.91	75.08	
5,547.98				12/02/15	77.26	75.43	
5,548.24				03/30/16	77.00	75.17	
5,547.68				06/30/16	77.56	75.73	
5,547.29				09/29/16	77.95	76.12	
5,547.09				12/21/16	78.15	76.32	
5,547.34				03/30/17	77.90	76.07	
5,546.94				06/27/17	78.30	76.47	
5,546.59				09/28/17	78.65	76.82	
5,546.32				11/30/17	78.92	77.09	

Water Levels and Data over Time
White Mesa Mill - Well MW-32

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,623.41	5,625.24	1.83				130.6
5,546.19				03/29/18	79.05	77.22	
5,545.99				06/22/18	79.25	77.42	
5,545.57				09/26/18	79.67	77.84	
5,545.56				12/17/18	79.68	77.85	
5,545.08				03/26/19	80.16	78.33	
5,544.99				06/24/19	80.25	78.42	
5,544.87				08/12/19	80.37	78.54	
5,544.70				11/19/19	80.54	78.71	
5,544.57				02/13/20	80.67	78.84	
5,544.99				05/05/20	80.25	78.42	
5,543.69				09/22/20	81.55	79.72	
5,543.67				12/30/20	81.57	79.74	
5,543.64				03/11/21	81.60	79.77	
5,543.20				06/24/21	82.04	80.21	
5,543.06				08/11/21	82.18	80.35	
5,543.37				12/30/21	81.87	80.04	
5,542.66				02/10/22	82.58	80.75	
5,542.36				06/28/22	82.88	81.05	
5,542.44				08/15/22	82.80	80.97	

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



Water Levels and Data over Time
White Mesa Mill - Well TW4-18

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,639.13	5,641.28	2.15				136.9
5,585.13				08/23/02	56.15	54.00	
5,585.41				09/11/02	55.87	53.72	
5,585.47				10/23/02	55.81	53.66	
5,585.40				11/22/02	55.88	53.73	
5,585.68				12/03/02	55.60	53.45	
5,585.90				01/09/03	55.38	53.23	
5,590.79				02/12/03	50.49	48.34	
5,586.18				03/26/03	55.10	52.95	
5,586.36				04/02/03	54.92	52.77	
5,586.24				05/01/03	55.04	52.89	
5,584.93				06/09/03	56.35	54.20	
5,584.46				07/07/03	56.82	54.67	
5,584.55				08/04/03	56.73	54.58	
5,584.01				09/11/03	57.27	55.12	
5,583.67				10/02/03	57.61	55.46	
5,583.50				11/07/03	57.78	55.63	
5,584.08				12/03/03	57.20	55.05	
5,585.45				01/15/04	55.83	53.68	
5,585.66				02/10/04	55.62	53.47	
5,586.13				03/28/04	55.15	53.00	
5,586.39				04/12/04	54.89	52.74	
5,586.66				05/13/04	54.62	52.47	
5,586.77				06/18/04	54.51	52.36	
5,587.35				07/28/04	53.93	51.78	
5,586.34				08/30/04	54.94	52.79	
5,585.85				09/16/04	55.43	53.28	
5,585.22				10/11/04	56.06	53.91	
5,584.70				11/16/04	56.58	54.43	
5,584.81				12/22/04	56.47	54.32	
5,584.68				01/18/05	56.60	54.45	
5,585.02				02/28/05	56.26	54.11	
5,585.25				03/15/05	56.03	53.88	
5,586.31				04/26/05	54.97	52.82	
5,586.97				05/24/05	54.31	52.16	
5,586.58				06/30/05	54.70	52.55	
5,586.10				07/29/05	55.18	53.03	
5,586.05				09/12/05	55.23	53.08	
5,585.86				12/07/05	55.42	53.27	
5,587.13				03/08/06	54.15	52.00	
5,585.93				06/13/06	55.35	53.20	
5,585.40				07/18/06	55.88	53.73	
5,585.38				11/07/06	55.90	53.75	
5,585.83				02/27/07	55.45	53.30	

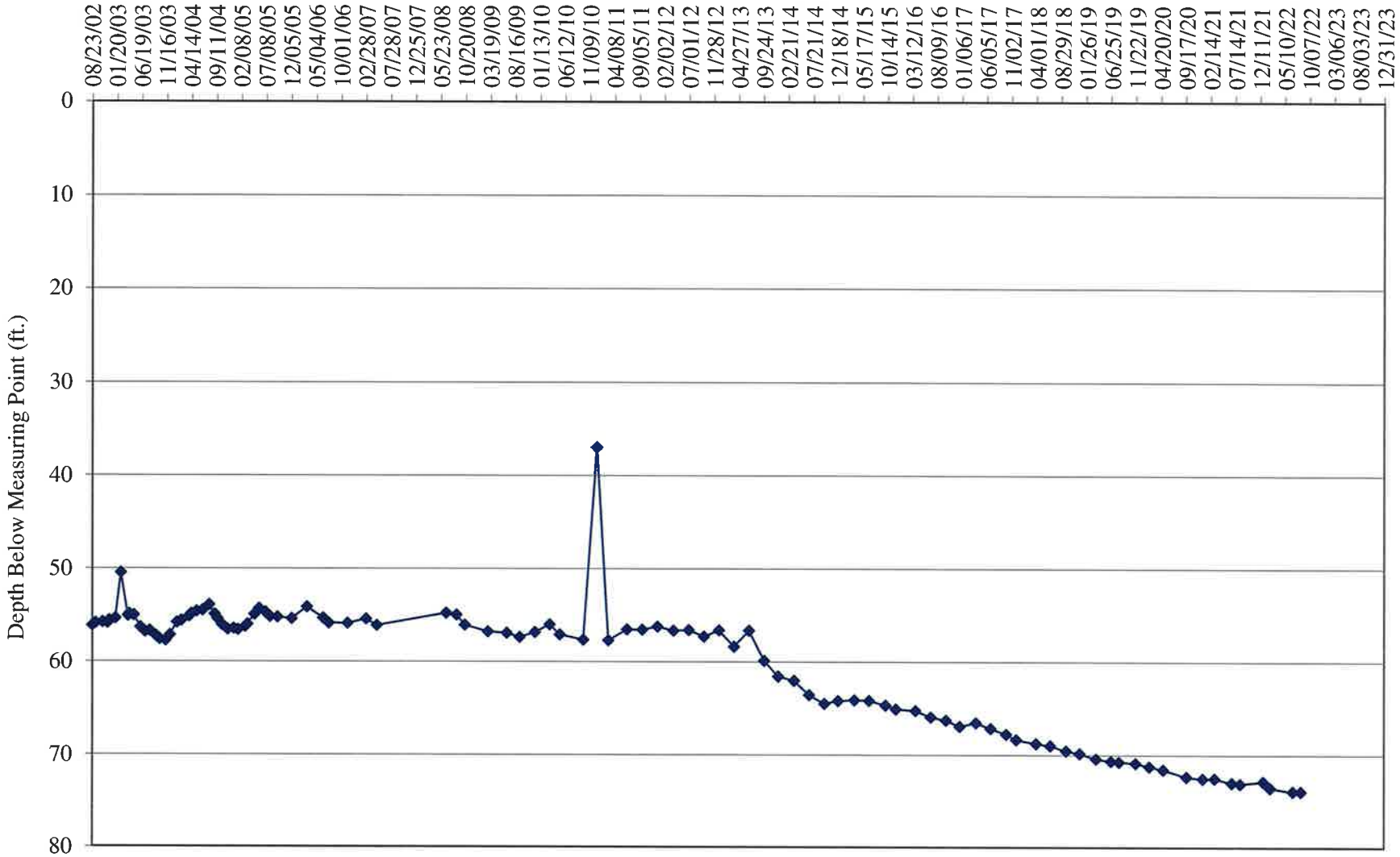
Water Levels and Data over Time
White Mesa Mill - Well TW4-18

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,639.13	5,641.28	2.15				136.9
5,585.15				05/02/07	56.13	53.98	
5,586.47				06/24/08	54.81	52.66	
5,586.30				08/26/08	54.98	52.83	
5,585.21				10/14/08	56.07	53.92	
5,584.47				03/03/09	56.81	54.66	
5,584.35				06/24/09	56.93	54.78	
5,583.88				09/10/09	57.40	55.25	
5,584.43				12/11/09	56.85	54.70	
5,585.26				03/11/10	56.02	53.87	
5,584.17				05/11/10	57.11	54.96	
5,583.61				09/29/10	57.67	55.52	
5,604.29				12/21/10	36.99	34.84	
5,583.56				02/28/11	57.72	55.57	
5,584.73				06/21/11	56.55	54.40	
5,584.71				09/20/11	56.57	54.42	
5,585.03				12/21/11	56.25	54.10	
5,584.63				03/27/12	56.65	54.50	
5,584.67				06/28/12	56.61	54.46	
5,583.98				09/27/12	57.30	55.15	
5,584.65				12/28/12	56.63	54.48	
5,582.88				03/28/13	58.40	56.25	
5,584.63				06/27/13	56.65	54.50	
5,581.38				09/27/13	59.90	57.75	
5,579.71				12/20/13	61.57	59.42	
5,579.26				03/27/14	62.02	59.87	
5,577.73				06/25/14	63.55	61.40	
5,576.79				09/25/14	64.49	62.34	
5,577.11				12/17/14	64.17	62.02	
5,577.18				03/26/15	64.10	61.95	
5,577.13				06/22/15	64.15	62.00	
5,576.63				09/30/15	64.65	62.50	
5,576.20				12/02/15	65.08	62.93	
5,576.05				03/30/16	65.23	63.08	
5,575.35				06/30/16	65.93	63.78	
5,575.02				09/29/16	66.26	64.11	
5,574.34				12/21/16	66.94	64.79	
5,574.73				03/30/17	66.55	64.40	
5,574.13				06/27/17	67.15	65.00	
5,573.51				09/28/17	67.77	65.62	
5,572.93				11/29/17	68.35	66.20	
5,572.51				03/29/18	68.77	66.62	
5,572.28				06/22/18	69.00	66.85	
5,571.72				09/26/18	69.56	67.41	

Water Levels and Data over Time
White Mesa Mill - Well TW4-18

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,639.13	5,641.28	2.15				136.9
5,571.45				12/17/18	69.83	67.68	
5,570.86				03/26/19	70.42	68.27	
5,570.60				06/24/19	70.68	68.53	
5,570.53				08/12/19	70.75	68.60	
5,570.39				11/19/19	70.89	68.74	
5,570.03				02/10/20	71.25	69.10	
5,569.68				05/04/20	71.60	69.45	
5,568.90				09/22/20	72.38	70.23	
5,568.70				12/30/20	72.58	70.43	
5,568.73				03/11/21	72.55	70.40	
5,568.28				06/24/21	73.00	70.85	
5,568.17				08/13/21	73.11	70.96	
5,568.41				12/30/21	72.87	70.72	
5,567.75				02/10/22	73.53	71.38	
5,567.34				06/28/22	73.94	71.79	
5,567.35				08/15/22	73.93	71.78	

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



Water Levels and Data over Time
White Mesa Mill - Well TW4-19

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,629.53	5,631.39	1.86				126.86
5,581.88				08/23/02	49.51	47.65	
5,582.14				09/11/02	49.25	47.39	
5,582.06				10/23/02	49.33	47.47	
5,582.07				11/22/02	49.32	47.46	
5,582.16				12/03/02	49.23	47.37	
5,582.28				01/09/03	49.11	47.25	
5,582.29				02/21/03	49.10	47.24	
5,582.74				03/26/03	48.65	46.79	
5,582.82				04/02/03	48.57	46.71	
5,548.47				05/01/03	82.92	81.06	
5,564.76				06/09/03	66.63	64.77	
5,562.53				07/07/03	68.86	67.00	
5,564.10				08/04/03	67.29	65.43	
5,566.01				08/30/04	65.38	63.52	
5,555.16				09/16/04	76.23	74.37	
5,549.80				10/11/04	81.59	79.73	
5,546.04				11/16/04	85.35	83.49	
5,547.34				12/22/04	84.05	82.19	
5,548.77				01/18/05	82.62	80.76	
5,551.18				02/28/05	80.21	78.35	
5,556.81				03/15/05	74.58	72.72	
5,562.63				04/26/05	68.76	66.90	
5,573.42				05/24/05	57.97	56.11	
5,552.94				07/29/05	78.45	76.59	
5,554.00				09/12/05	77.39	75.53	
5,555.98				12/07/05	75.41	73.55	
5,552.00				03/08/06	79.39	77.53	
5,545.74				06/13/06	85.65	83.79	
5,544.06				07/18/06	87.33	85.47	
5,548.81				11/07/06	82.58	80.72	
5,543.59				02/27/07	87.80	85.94	
5,544.55				05/02/07	86.84	84.98	
5,558.97				08/15/07	72.42	70.56	
5,559.73				10/10/07	71.66	69.8	
5,569.26				03/26/08	62.13	60.27	
5,535.47				06/25/08	95.92	94.06	
5,541.41				08/26/08	89.98	88.12	
5,558.45				10/14/08	72.94	71.08	
5,536.90				03/03/09	94.49	92.63	
5,547.76				06/24/09	83.63	81.77	
5,561.48				09/10/09	69.91	68.05	
5,548.14				12/11/09	83.25	81.39	
5,570.58				03/11/10	60.81	58.95	

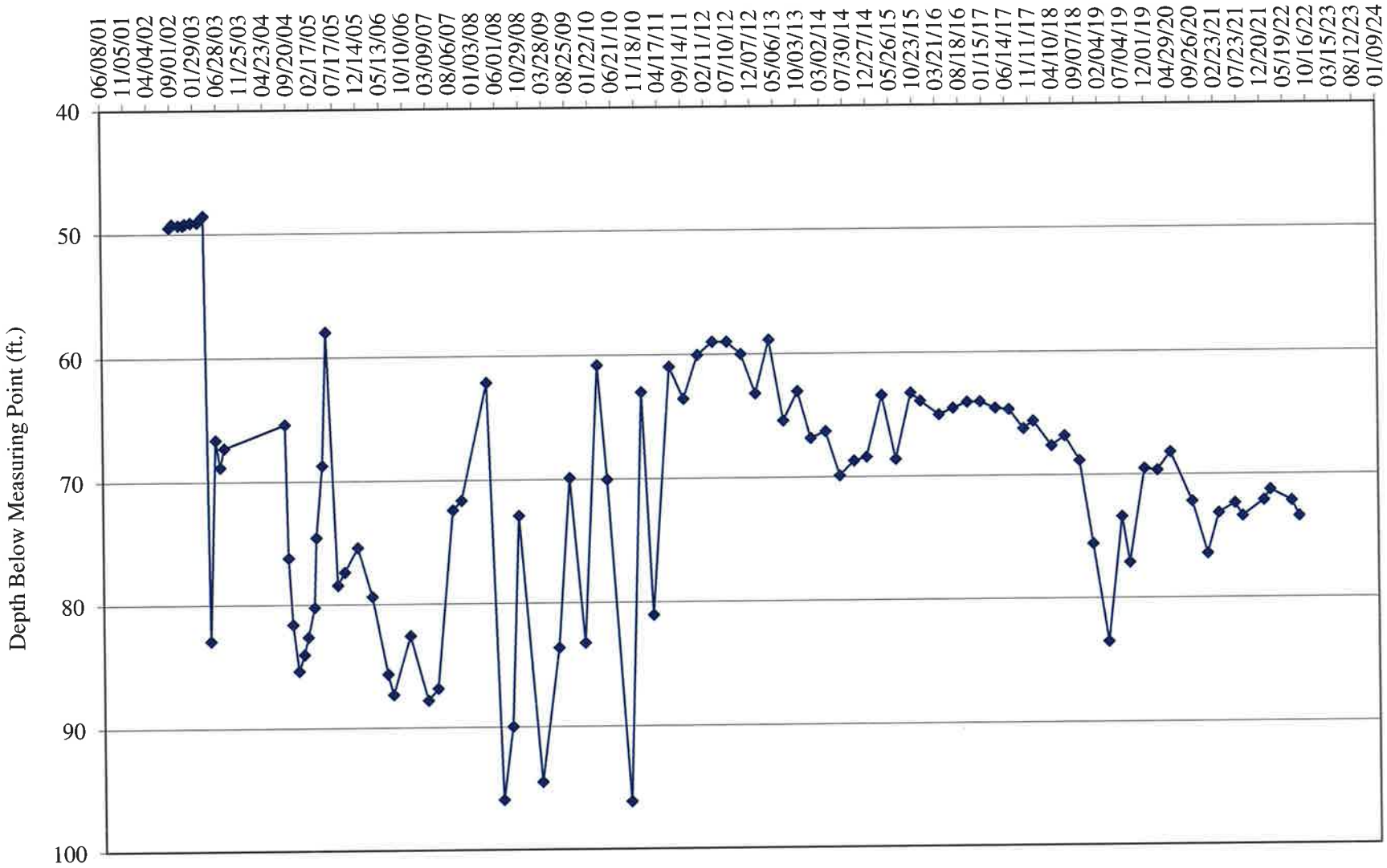
Water Levels and Data over Time
White Mesa Mill - Well TW4-19

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,629.53	5,631.39	1.86				126.86
5,561.35				05/11/10	70.04	68.18	
5,535.26				09/29/10	96.13	94.27	
5,568.40				12/21/10	62.99	61.13	
5,550.36				02/28/11	81.03	79.17	
5,570.41				06/21/11	60.98	59.12	
5,567.84				09/20/11	63.55	61.69	
5,571.32				12/21/11	60.07	58.21	
5,572.40				03/27/12	58.99	57.13	
5,572.39				06/28/12	59.00	57.14	
5,571.40				09/27/12	59.99	58.13	
5,568.21				12/28/12	63.18	61.32	
5,572.51				03/28/13	58.88	57.02	
5,566.00				06/27/13	65.39	63.53	
5,568.37				09/27/13	63.02	61.16	
5,564.55				12/20/13	66.84	64.98	
5,565.11				03/27/14	66.28	64.42	
5,561.49				06/25/14	69.90	68.04	
5,562.67				09/25/14	68.72	66.86	
5,562.99				12/17/14	68.40	66.54	
5,567.99				03/26/15	63.40	61.54	
5,562.79				06/22/15	68.60	66.74	
5,568.16				09/30/15	63.23	61.37	
5,567.51				12/02/15	63.88	62.02	
5,566.38				03/30/16	65.01	63.15	
5,566.91				06/30/16	64.48	62.62	
5,567.38				09/29/16	64.01	62.15	
5,567.41				12/21/16	63.98	62.12	
5,566.87				03/30/17	64.52	62.66	
5,566.76				06/27/17	64.63	62.77	
5,565.19				09/28/17	66.20	64.34	
5,565.79				11/30/17	65.60	63.74	
5,563.79				03/28/18	67.60	65.74	
5,564.58				06/22/18	66.81	64.95	
5,562.56				09/24/18	68.83	66.97	
5,555.78				12/18/18	75.61	73.75	
5,547.86				03/25/19	83.53	81.67	
5,557.99				06/24/19	73.40	71.54	
5,554.26				08/12/19	77.13	75.27	
5,561.87				11/18/19	69.52	67.66	
5,561.71				02/10/20	69.68	67.82	
5,563.21				05/04/20	68.18	66.32	
5,559.19				09/21/20	72.20	70.34	
5,554.95				12/28/20	76.44	74.58	

Water Levels and Data over Time
White Mesa Mill - Well TW4-19

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,629.53	5,631.39	1.86				126.86
5,558.24				03/11/21	73.15	71.29	
5,559.02				06/24/21	72.37	70.51	
5,557.99				08/13/21	73.40	71.54	
5,559.25				12/30/21	72.14	70.28	
5,560.12				02/10/22	71.27	69.41	
5,559.22				06/28/22	72.17	70.31	
5,557.94				08/15/22	73.45	71.59	

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



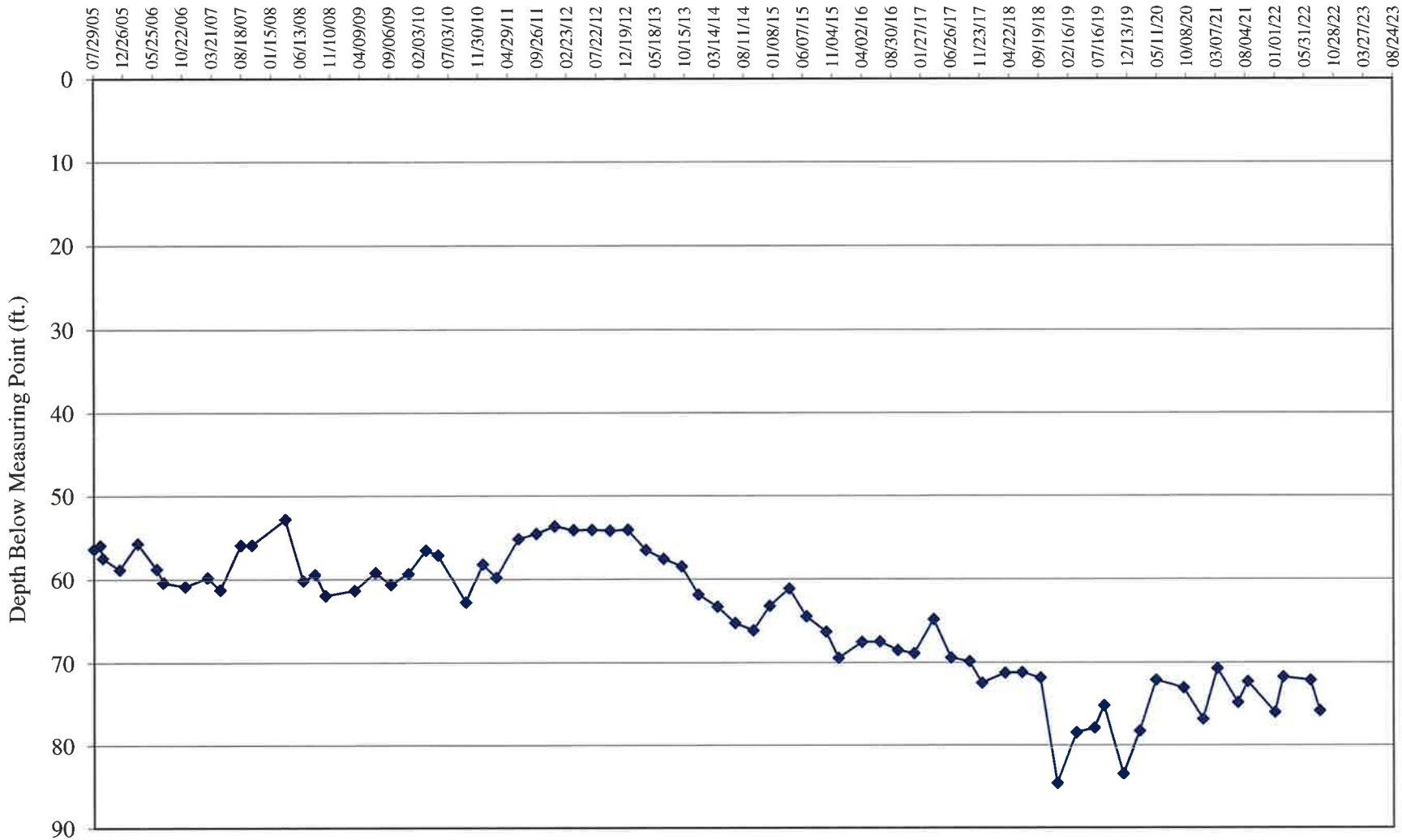
Water Levels and Data over Time
White Mesa Mill - Well TW4-21

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,638.20	5,639.35	1.15				118.8
5,582.98				07/29/05	56.37	55.22	
5,583.43				08/30/05	55.92	54.77	
5,581.87				09/12/05	57.48	56.33	
5,580.50				12/07/05	58.85	57.70	
5,583.64				03/08/06	55.71	54.56	
5,580.55				06/13/06	58.80	57.65	
5,578.95				07/18/06	60.40	59.25	
5,578.47				11/07/06	60.88	59.73	
5,579.53				02/27/07	59.82	58.67	
5,578.07				05/02/07	61.28	60.13	
5,583.41				08/15/07	55.94	54.79	
5,583.45				10/10/07	55.90	54.75	
5,586.47				03/26/08	52.88	51.73	
5,579.16				06/24/08	60.19	59.04	
5,579.92				08/26/08	59.43	58.28	
5,577.37				10/14/08	61.98	60.83	
5,578.00				03/10/09	61.35	60.20	
5,580.14				06/24/09	59.21	58.06	
5,578.72				09/10/09	60.63	59.48	
5,579.99				12/11/09	59.36	58.21	
5,582.81				03/11/10	56.54	55.39	
5,582.23				05/11/10	57.12	55.97	
5,576.60				09/29/10	62.75	61.60	
5,581.14				12/21/10	58.21	57.06	
5,579.53				02/28/11	59.82	58.67	
5,584.17				06/21/11	55.18	54.03	
5,584.80				09/20/11	54.55	53.40	
5,585.68				12/21/11	53.67	52.52	
5,585.24				03/27/12	54.11	52.96	
5,585.26				06/28/12	54.09	52.94	
5,585.16				09/27/12	54.19	53.04	
5,585.25				12/28/12	54.10	52.95	
5,582.84				03/28/13	56.51	55.36	
5,581.79				06/27/13	57.56	56.41	
5,580.89				09/27/13	58.46	57.31	
5,577.45				12/20/13	61.90	60.75	
5,576.01				03/27/14	63.34	62.19	
5,574.08				06/25/14	65.27	64.12	
5,573.20				09/25/14	66.15	65.00	
5,576.13				12/17/14	63.22	62.07	
5,578.19				03/26/15	61.16	60.01	
5,574.85				06/22/15	64.50	63.35	

Water Levels and Data over Time
White Mesa Mill - Well TW4-21

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,638.20	5,639.35	1.15				118.8
5,573.05				09/30/15	66.30	65.15	
5,569.88				12/02/15	69.47	68.32	
5,571.81				03/30/16	67.54	66.39	
5,571.86				06/30/16	67.49	66.34	
5,570.82				09/29/16	68.53	67.38	
5,570.45				12/21/16	68.90	67.75	
5,574.53				03/30/17	64.82	63.67	
5,569.91				06/27/17	69.44	68.29	
5,569.49				09/28/17	69.86	68.71	
5,566.87				11/30/17	72.48	71.33	
5,568.10				03/28/18	71.25	70.10	
5,568.17				06/22/18	71.18	70.03	
5,567.50				09/24/18	71.85	70.70	
5,554.80				12/17/18	84.55	83.40	
5,560.92				03/25/19	78.43	77.28	
5,561.49				06/24/19	77.86	76.71	
5,564.17				08/12/19	75.18	74.03	
5,555.91				11/18/19	83.44	82.29	
5,561.05				02/10/20	78.30	77.15	
5,567.23				05/04/20	72.12	70.97	
5,566.29				09/21/20	73.06	71.91	
5,562.48				12/28/20	76.87	75.72	
5,568.64				03/11/21	70.71	69.56	
5,564.50				06/24/21	74.85	73.70	
5,567.02				08/13/21	72.33	71.18	
5,563.30				12/30/21	76.05	74.90	
5,567.61				02/10/22	71.74	70.59	
5,567.20				06/28/22	72.15	71.00	
5,563.51				08/15/22	75.84	74.69	

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



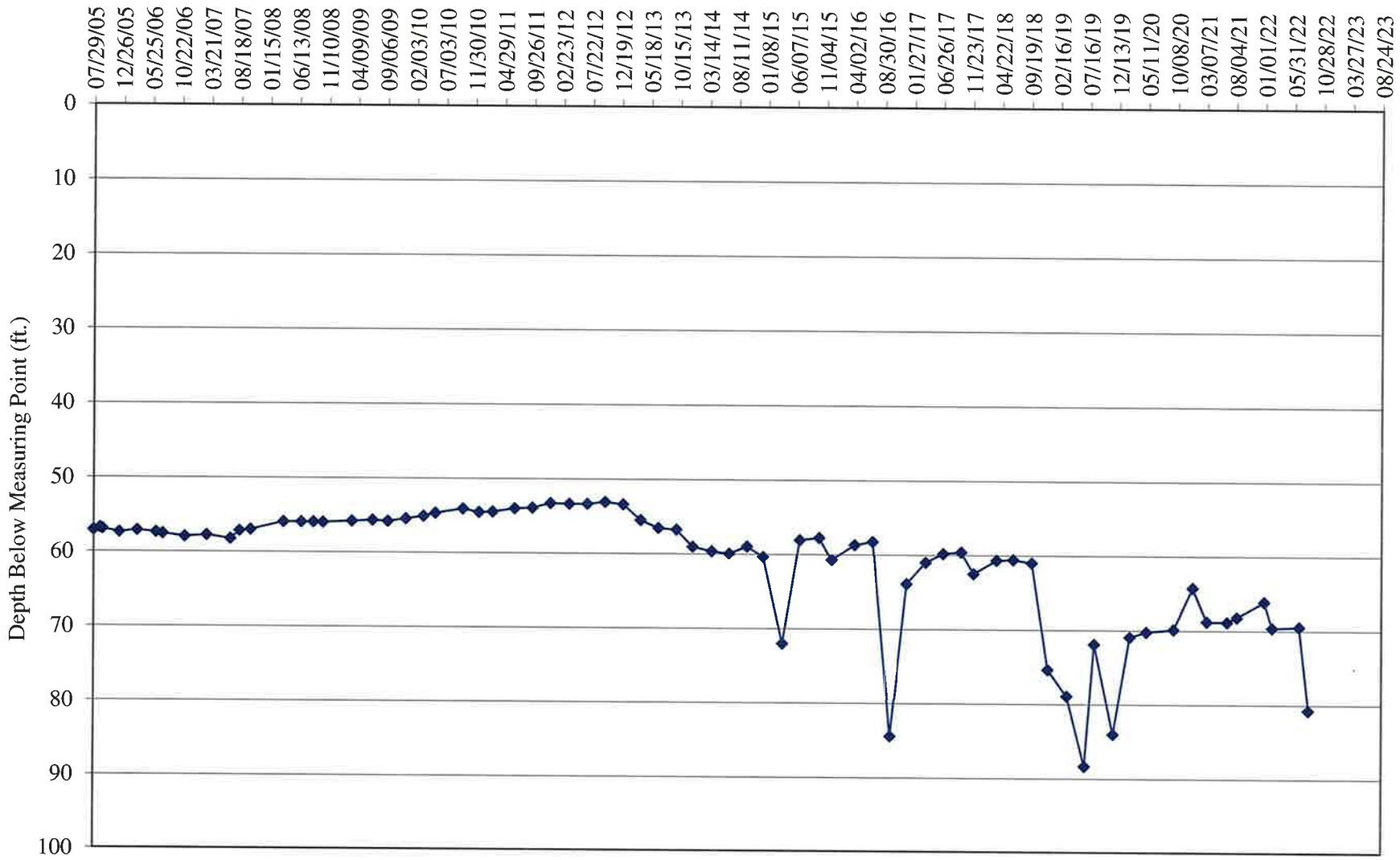
Water Levels and Data over Time
White Mesa Mill - Well TW4-22

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,627.83	5,629.00	1.17				114.7
5,571.89				07/29/05	57.11	55.94	
5,572.20				08/30/05	56.80	55.63	
5,572.08				09/12/05	56.92	55.75	
5,571.61				12/07/05	57.39	56.22	
5,571.85				03/08/06	57.15	55.98	
5,571.62				06/13/06	57.38	56.21	
5,571.42				07/18/06	57.58	56.41	
5,571.02				11/07/06	57.98	56.81	
5571.24				02/27/07	57.76	56.59	
5,570.75				06/29/07	58.25	57.08	
5,571.82				08/14/07	57.18	56.01	
5,571.99				10/10/07	57.01	55.84	
5,573.05				03/26/08	55.95	54.78	
5,573.04				06/24/08	55.96	54.79	
5,573.04				08/26/08	55.96	54.79	
5,573.02				10/14/08	55.98	54.81	
5,573.19				03/10/09	55.81	54.64	
5,573.32				06/24/09	55.68	54.51	
5,573.17				09/10/09	55.83	54.66	
5,573.52				12/11/09	55.48	54.31	
5,573.88				03/11/10	55.12	53.95	
5,574.29				05/11/10	54.71	53.54	
5,574.88				09/29/10	54.12	52.95	
5,574.44				12/21/10	54.56	53.39	
5,574.49				02/28/11	54.51	53.34	
5,574.97				06/21/11	54.03	52.86	
5,575.06				09/20/11	53.94	52.77	
5,575.69				12/21/11	53.31	52.14	
5,575.61				03/27/12	53.39	52.22	
5,575.62				06/28/12	53.38	52.21	
5,575.90				09/27/12	53.10	51.93	
5,575.59				12/28/12	53.41	52.24	
5,573.50				03/28/13	55.50	54.33	
5,572.45				06/27/13	56.55	55.38	
5,572.25				09/27/13	56.75	55.58	
5,569.93				12/20/13	59.07	57.90	
5,569.36				03/27/14	59.64	58.47	
5,569.02				06/25/14	59.98	58.81	
5,570.00				09/25/14	59.00	57.83	
5,568.60				12/17/14	60.40	59.23	
5,557.00				03/26/15	72.00	70.83	
5,570.93				06/22/15	58.07	56.90	

Water Levels and Data over Time
White Mesa Mill - Well TW4-22

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,627.83	5,629.00	1.17				114.7
5,571.24				09/30/15	57.76	56.59	
5,568.23				12/02/15	60.77	59.60	
5,570.28				03/30/16	58.72	57.55	
5,570.75				06/30/16	58.25	57.08	
5,544.60				09/29/16	84.40	83.23	
5,565.11				12/21/16	63.89	62.72	
5,567.99				03/30/17	61.01	59.84	
5,569.17				06/27/17	59.83	58.66	
5,569.37				09/28/17	59.63	58.46	
5,566.48				11/30/17	62.52	61.35	
5,568.30				03/28/18	60.70	59.53	
5,568.42				06/22/18	60.58	59.41	
5,567.98				09/24/18	61.02	59.85	
5,553.65				12/17/18	75.35	74.18	
5,550.09				03/25/19	78.91	77.74	
5,540.65				06/24/19	88.35	87.18	
5,557.09				08/12/19	71.91	70.74	
5,544.97				11/18/19	84.03	82.86	
5,558.05				02/10/20	70.95	69.78	
5,558.77				05/04/20	70.23	69.06	
5,559.12				09/21/20	69.88	68.71	
5,564.70				12/28/20	64.30	63.13	
5,560.19				03/11/21	68.81	67.64	
5,560.12				06/24/21	68.88	67.71	
5,560.80				08/13/21	68.20	67.03	
5,562.87				12/30/21	66.13	64.96	
5,559.35				02/10/22	69.65	68.48	
5,559.49				06/28/22	69.51	68.34	
5,548.25				08/15/22	80.75	79.58	

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



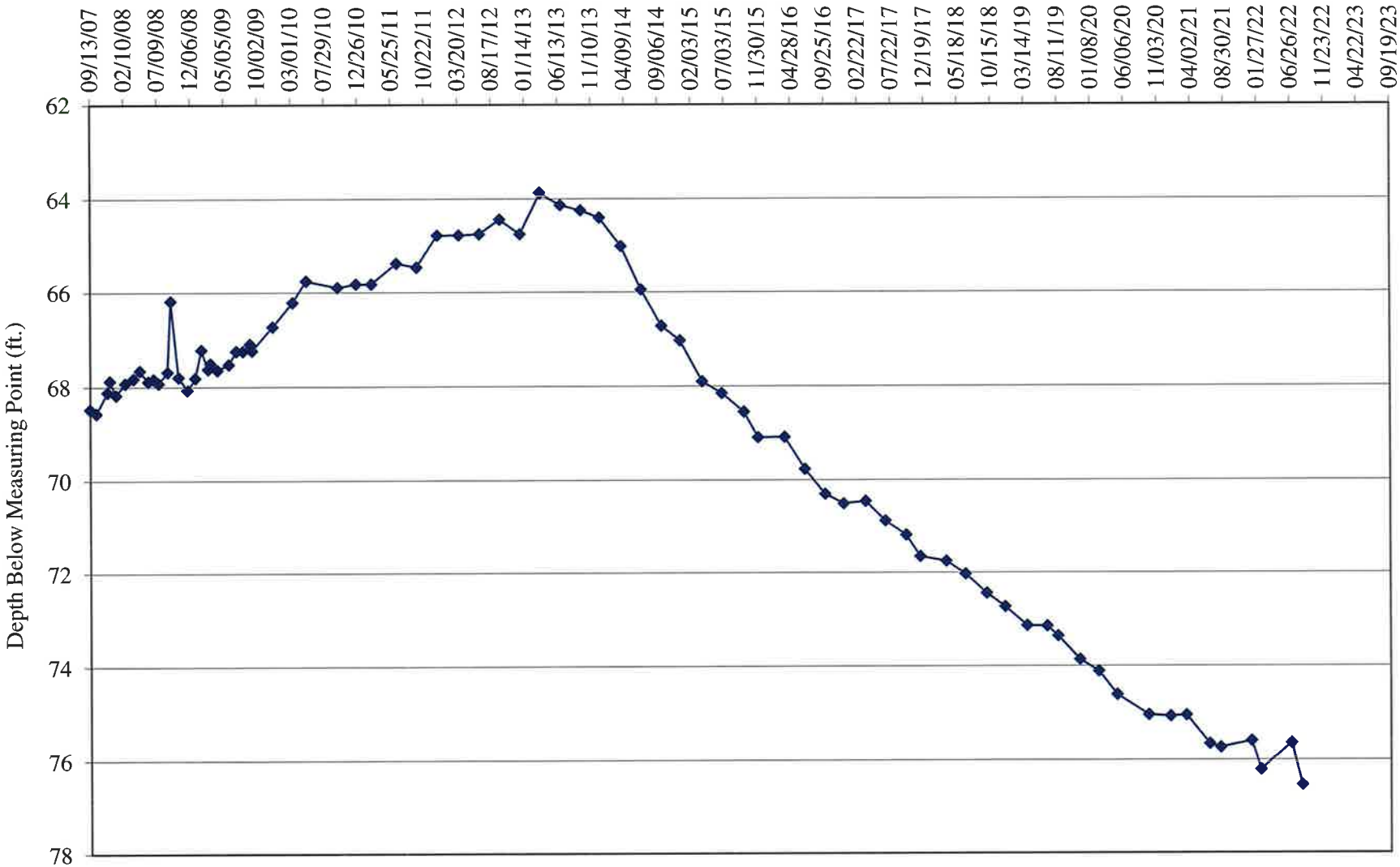
Water Levels and Data over Time
White Mesa Mill - Well TW4-23

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,605.77	5,607.37	1.60				116.4
5,538.89				09/13/07	68.48	66.88	
5,538.80				10/10/07	68.57	66.97	
5,539.25				11/30/07	68.12	66.52	
5,539.49				12/11/07	67.88	66.28	
5,539.19				01/08/08	68.18	66.58	
5,539.44				02/18/08	67.93	66.33	
5,539.54				03/26/08	67.83	66.23	
5,539.71				04/23/08	67.66	66.06	
5539.48				05/30/08	67.89	66.29	
5,539.53				06/24/08	67.84	66.24	
5,539.44				07/16/08	67.93	66.33	
5,539.68				08/26/08	67.69	66.09	
5,541.18				09/10/08	66.19	64.59	
5,539.57				10/14/08	67.80	66.20	
5,539.29				11/26/08	68.08	66.48	
5,539.55				12/29/08	67.82	66.22	
5,540.15				01/26/09	67.22	65.62	
5,539.74				02/24/09	67.63	66.03	
5,539.86				03/06/09	67.51	65.91	
5,539.72				04/07/09	67.65	66.05	
5,539.84				05/29/09	67.53	65.93	
5,540.12				06/30/09	67.25	65.65	
5,540.12				07/31/09	67.25	65.65	
5,540.27				08/31/09	67.10	65.50	
5,540.13				09/10/09	67.24	65.64	
5,540.64				12/11/09	66.73	65.13	
5,541.15				03/11/10	66.22	64.62	
5,541.61				05/11/10	65.76	64.16	
5,541.47				09/29/10	65.90	64.30	
5,541.54				12/21/10	65.83	64.23	
5,541.54				02/28/11	65.83	64.23	
5,541.98				06/21/11	65.39	63.79	
5,541.90				09/20/11	65.47	63.87	
5,542.58				12/21/11	64.79	63.19	
5,542.59				03/27/12	64.78	63.18	
5,542.61				06/28/12	64.76	63.16	
5,542.92				09/27/12	64.45	62.85	
5,542.61				12/28/12	64.76	63.16	
5,543.48				03/28/13	63.89	62.29	
5,543.23				06/27/13	64.14	62.54	
5,543.12				09/27/13	64.25	62.65	
5,542.96				12/20/13	64.41	62.81	

Water Levels and Data over Time
White Mesa Mill - Well TW4-23

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,605.77	5,607.37	1.60				116.4
5,542.35				03/27/14	65.02	63.42	
5,541.42				06/25/14	65.95	64.35	
5,540.65				09/25/14	66.72	65.12	
5,540.34				12/17/14	67.03	65.43	
5,539.47				03/26/15	67.90	66.30	
5,539.22				06/22/15	68.15	66.55	
5,538.82				09/30/15	68.55	66.95	
5,538.28				12/02/15	69.09	67.49	
5,538.29				03/30/16	69.08	67.48	
5,537.60				06/30/16	69.77	68.17	
5,537.07				09/29/16	70.30	68.70	
5,536.86				12/21/16	70.51	68.91	
5,536.91				03/30/17	70.46	68.86	
5,536.49				06/27/17	70.88	69.28	
5,536.18				09/28/17	71.19	69.59	
5,535.72				11/30/17	71.65	70.05	
5,535.62				03/28/18	71.75	70.15	
5,535.34				06/22/18	72.03	70.43	
5,534.93				09/25/18	72.44	70.84	
5,534.64				12/17/18	72.73	71.13	
5,534.23				03/25/19	73.14	71.54	
5,534.22				06/24/19	73.15	71.55	
5,534.01				08/12/19	73.36	71.76	
5,533.51				11/18/19	73.86	72.26	
5,533.26				02/10/20	74.11	72.51	
5,532.76				05/04/20	74.61	73.01	
5,532.33				09/22/20	75.04	73.44	
5,532.30				12/30/20	75.07	73.47	
5,532.32				03/11/21	75.05	73.45	
5,531.71				06/24/21	75.66	74.06	
5,531.63				08/13/21	75.74	74.14	
5,531.77				12/30/21	75.60	74.00	
5,531.17				02/10/22	76.20	74.60	
5,531.73				06/28/22	75.64	74.04	
5530.84				08/15/22	76.53	74.93	

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



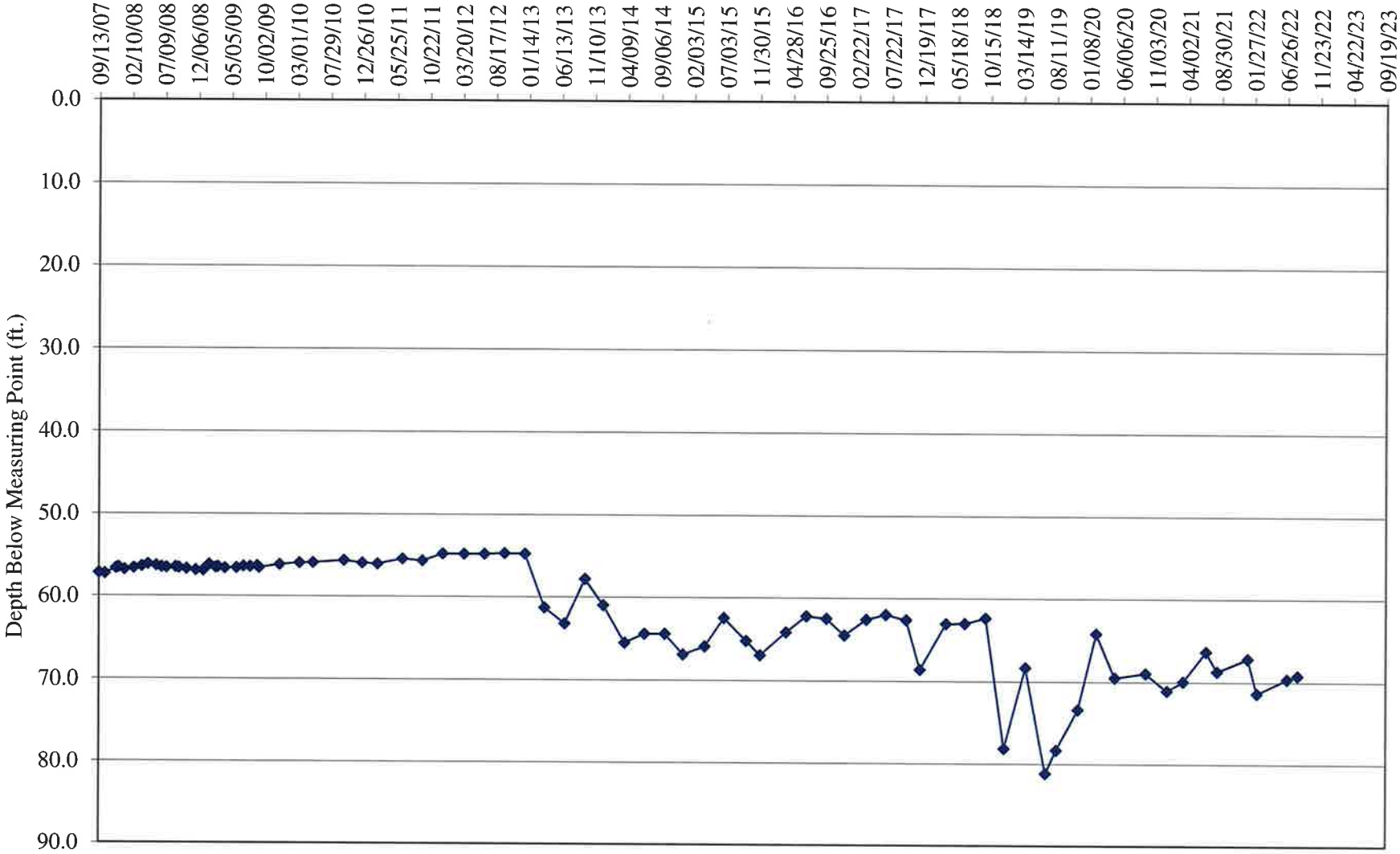
Water Levels and Data over Time
White Mesa Mill - Well TW4-24

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,625.70	5,627.83	2.13				114.8
5,570.61				09/13/07	57.22	55.09	
5,570.53				10/10/07	57.30	55.17	
5,571.16				11/30/07	56.67	54.54	
5,571.30				12/11/07	56.53	54.40	
5,571.03				01/08/08	56.80	54.67	
5,571.22				02/18/08	56.61	54.48	
5,571.43				03/26/08	56.40	54.27	
5,571.68				04/23/08	56.15	54.02	
5571.52				05/30/08	56.31	54.18	
5,571.34				06/24/08	56.49	54.36	
5,571.28				07/16/08	56.55	54.42	
5,571.34				08/26/08	56.49	54.36	
5,571.23				09/10/08	56.60	54.47	
5,571.12				10/14/08	56.71	54.58	
5,570.95				11/26/08	56.88	54.75	
5,570.92				12/29/08	56.91	54.78	
5,571.65				01/26/09	56.18	54.05	
5,571.31				02/24/09	56.52	54.39	
5,571.37				03/06/09	56.46	54.33	
5,571.21				04/07/09	56.62	54.49	
5,571.23				05/29/09	56.60	54.47	
5,571.42				06/30/09	56.41	54.28	
5,571.38				07/31/09	56.45	54.32	
5,571.48				08/31/09	56.35	54.22	
5,571.28				09/10/09	56.55	54.42	
5,571.64				12/11/09	56.19	54.06	
5,571.86				03/11/10	55.97	53.84	
5,571.91				05/11/10	55.92	53.79	
5,572.18				09/29/10	55.65	53.52	
5,571.86				12/21/10	55.97	53.84	
5,571.78				02/28/11	56.05	53.92	
5,572.40				06/21/11	55.43	53.30	
5,572.19				09/20/11	55.64	53.51	
5,573.02				12/21/11	54.81	52.68	
5,573.03				03/27/12	54.80	52.67	
5,573.02				06/28/12	54.81	52.68	
5,573.13				09/27/12	54.70	52.57	
5,573.05				12/28/12	54.78	52.65	
5,566.53				03/28/13	61.30	59.17	
5,564.63				06/27/13	63.20	61.07	
5,570.01				09/27/13	57.82	55.69	
5,566.85				12/20/13	60.98	58.85	
5,562.33				03/27/14	65.50	63.37	

Water Levels and Data over Time
White Mesa Mill - Well TW4-24

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,625.70	5,627.83	2.13				114.8
5,563.43				06/25/14	64.40	62.27	
5,563.43				09/25/14	64.40	62.27	
5,560.97				12/17/14	66.86	64.73	
5,561.95				03/26/15	65.88	63.75	
5,565.38				06/22/15	62.45	60.32	
5,562.61				09/30/15	65.22	63.09	
5,560.91				12/02/15	66.92	64.79	
5,563.69				03/30/16	64.14	62.01	
5,565.64				06/30/16	62.19	60.06	
5,565.35				09/29/16	62.48	60.35	
5,563.33				12/21/16	64.50	62.37	
5,565.27				03/30/17	62.56	60.43	
5,565.86				06/27/17	61.97	59.84	
5,565.21				09/28/17	62.62	60.49	
5,559.24				11/30/17	68.59	66.46	
5,564.78				03/28/18	63.05	60.92	
5,564.83				06/22/18	63.00	60.87	
5,565.47				09/24/18	62.36	60.23	
5,549.72				12/17/18	78.11	75.98	
5,559.52				03/25/19	68.31	66.18	
5,546.68				06/24/19	81.15	79.02	
5,549.54				08/12/19	78.29	76.16	
5,554.44				11/18/19	73.39	71.26	
5,563.62				02/10/20	64.21	62.08	
5,558.32				05/04/20	69.51	67.38	
5,558.88				09/21/20	68.95	66.82	
5,556.76				12/28/20	71.07	68.94	
5,557.89				03/11/21	69.94	67.81	
5,561.51				06/24/21	66.32	64.19	
5,559.12				08/13/21	68.71	66.58	
5,560.64				12/30/21	67.19	65.06	
5,556.44				02/10/22	71.39	69.26	
5,558.22				06/28/22	69.61	67.48	
5,558.62				08/15/22	69.21	67.08	

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



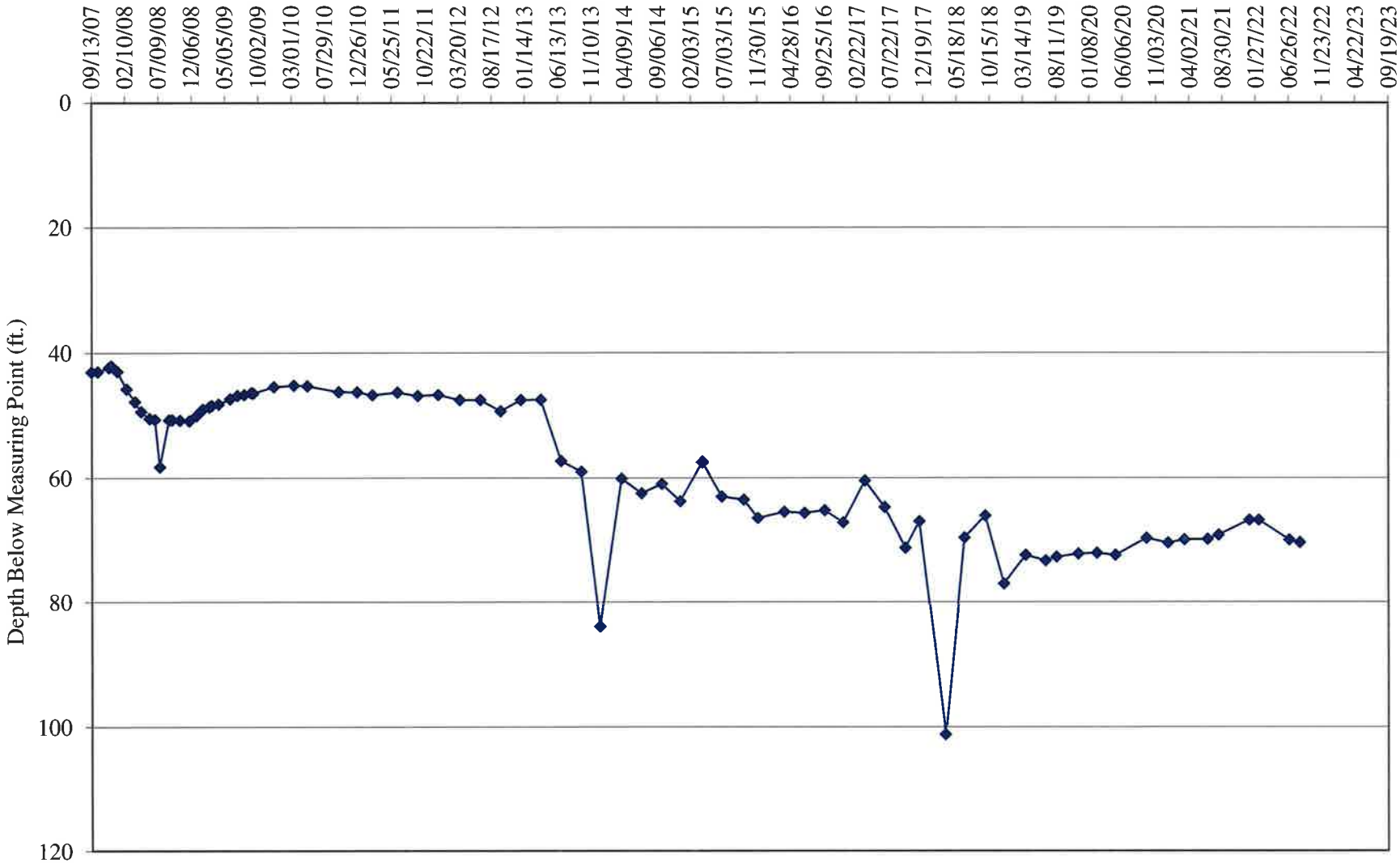
Water Levels and Data over Time
White Mesa Mill - Well TW4-25

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,642.82	5,644.91	2.09				136.7
5,601.86				09/13/07	43.05	40.96	
5,601.89				10/10/07	43.02	40.93	
5,602.57				11/30/07	42.34	40.25	
5,602.82				12/11/07	42.09	40.00	
5,601.94				01/08/08	42.97	40.88	
5,599.13				02/18/08	45.78	43.69	
5,597.11				03/26/08	47.80	45.71	
5,595.51				04/23/08	49.40	47.31	
5594.42				05/30/08	50.49	48.40	
5,594.26				06/24/08	50.65	48.56	
5,586.67				07/16/08	58.24	56.15	
5,594.17				08/26/08	50.74	48.65	
5,594.23				09/10/08	50.68	48.59	
5,594.12				10/14/08	50.79	48.70	
5,594.06				11/26/08	50.85	48.76	
5,594.87				12/29/08	50.04	47.95	
5,595.89				01/26/09	49.02	46.93	
5,596.27				02/24/09	48.64	46.55	
5,596.47				03/06/09	48.44	46.35	
5,596.74				04/07/09	48.17	46.08	
5,597.55				05/29/09	47.36	45.27	
5,598.11				06/30/09	46.80	44.71	
5,598.22				07/31/09	46.69	44.60	
5,598.52				08/31/09	46.39	44.30	
5,598.49				09/10/09	46.42	44.33	
5,599.48				12/11/09	45.43	43.34	
5,599.75				03/11/10	45.16	43.07	
5,599.63				05/11/10	45.28	43.19	
5,598.68				09/29/10	46.23	44.14	
5,598.66				12/21/10	46.25	44.16	
5,598.18				02/28/11	46.73	44.64	
5,598.61				06/21/11	46.30	44.21	
5,598.08				09/20/11	46.83	44.74	
5,598.23				12/21/11	46.68	44.59	
5,597.41				03/27/12	47.50	45.41	
5,597.41				06/28/12	47.50	45.41	
5,595.60				09/27/12	49.31	47.22	
5,597.41				12/28/12	47.50	45.41	
5,597.43				03/28/13	47.48	45.39	
5,587.61				06/27/13	57.30	55.21	
5,585.91				09/27/13	59.00	56.91	
5,561.00				12/20/13	83.91	81.82	

Water Levels and Data over Time
White Mesa Mill - Well TW4-25

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,642.82	5,644.91	2.09				136.7
5,584.79				03/27/14	60.12	58.03	
5,582.44				06/25/14	62.47	60.38	
5,583.95				09/25/14	60.96	58.87	
5,581.13				12/17/14	63.78	61.69	
5,587.40				03/26/15	57.51	55.42	
5,581.91				06/22/15	63.00	60.91	
5,581.40				09/30/15	63.51	61.42	
5,578.42				12/02/15	66.49	64.40	
5,579.42				03/30/16	65.49	63.40	
5,579.25				06/30/16	65.66	63.57	
5,579.68				09/29/16	65.23	63.14	
5,577.73				12/21/16	67.18	65.09	
5,584.44				03/30/17	60.47	58.38	
5,580.19				06/27/17	64.72	62.63	
5,573.63				09/28/17	71.28	69.19	
5,577.88				11/30/17	67.03	64.94	
5,543.71				03/28/18	101.20	99.11	
5,575.26				06/22/18	69.65	67.56	
5,578.78				09/24/18	66.13	64.04	
5,567.86				12/17/18	77.05	74.96	
5,572.46				03/25/19	72.45	70.36	
5,571.58				06/24/19	73.33	71.24	
5,572.15				08/12/19	72.76	70.67	
5,572.66				11/18/19	72.25	70.16	
5,572.77				02/10/20	72.14	70.05	
5,572.46				05/04/20	72.45	70.36	
5,575.17				09/21/20	69.74	67.65	
5,574.42				12/28/20	70.49	68.40	
5,574.90				03/11/21	70.01	67.92	
5,575.01				06/24/21	69.90	67.81	
5,575.66				08/13/21	69.25	67.16	
5,578.11				12/30/21	66.80	64.71	
5,578.07				02/10/22	66.84	64.75	
5,574.87				06/28/22	70.04	67.95	
5574.46				08/15/22	70.45	68.36	

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



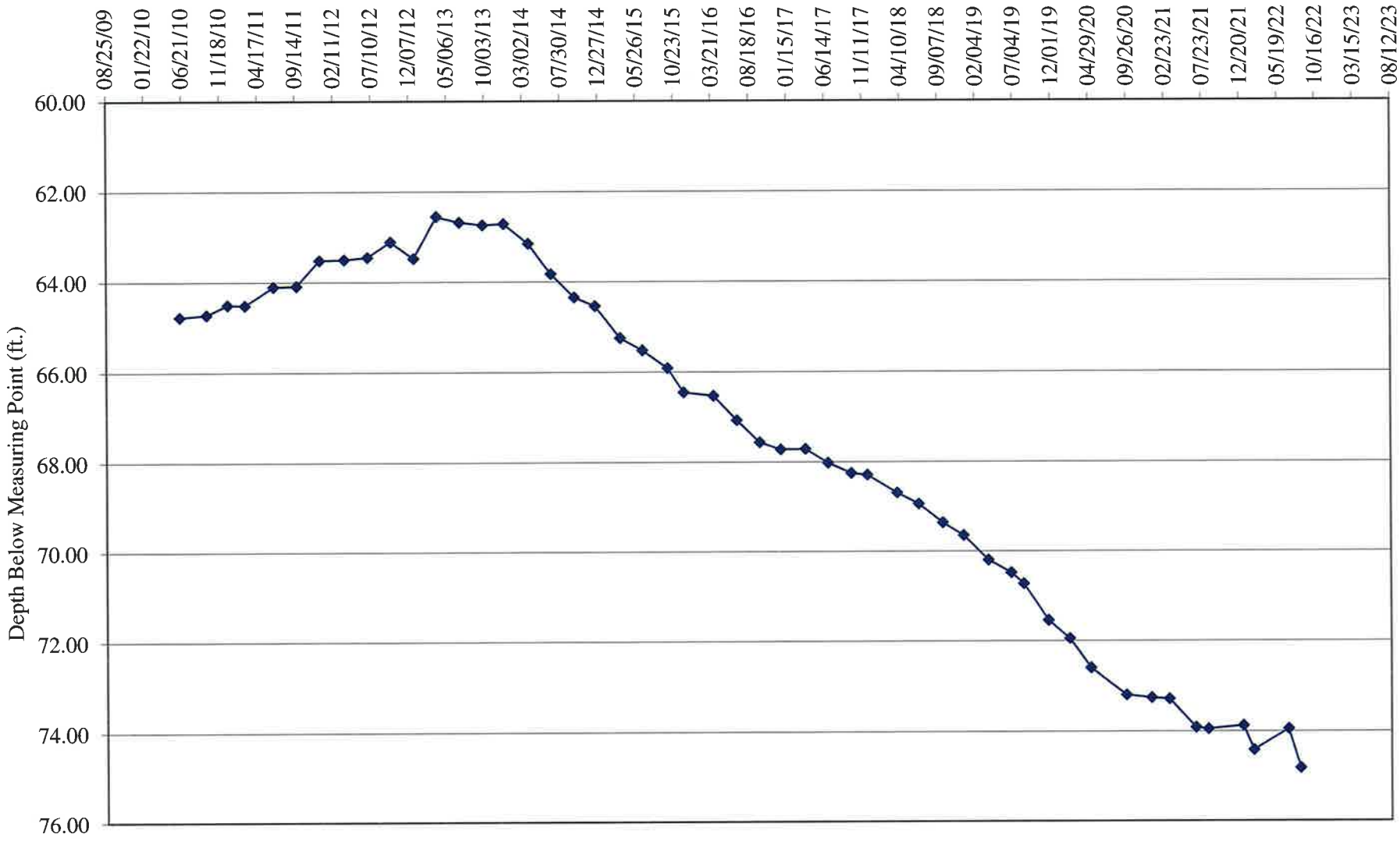
Water Levels and Data over Time
White Mesa Mill - Well TW4-26

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,599.98	5,601.68	1.70				87.7
5,536.90				06/14/10	64.78	63.08	
5,536.95				09/29/10	64.73	63.03	
5,537.17				12/21/10	64.51	62.81	
5,537.16				02/28/11	64.52	62.82	
5,537.57				06/21/11	64.11	62.41	
5,537.59				09/20/11	64.09	62.39	
5,538.16				12/21/11	63.52	61.82	
5,538.18				03/27/12	63.50	61.80	
5538.23				06/28/12	63.45	61.75	
5,538.57				09/27/12	63.11	61.41	
5,538.20				12/28/12	63.48	61.78	
5,539.13				03/28/13	62.55	60.85	
5,539.00				06/27/13	62.68	60.98	
5,538.94				09/27/13	62.74	61.04	
5,538.97				12/20/13	62.71	61.01	
5,538.53				03/27/14	63.15	61.45	
5,537.85				06/25/14	63.83	62.13	
5,537.33				09/25/14	64.35	62.65	
5,537.14				12/17/14	64.54	62.84	
5,536.43				03/26/15	65.25	63.55	
5,536.16				06/22/15	65.52	63.82	
5,535.76				09/30/15	65.92	64.22	
5,535.23				12/02/15	66.45	64.75	
5,535.15				03/30/16	66.53	64.83	
5,534.61				06/30/16	67.07	65.37	
5,534.12				09/29/16	67.56	65.86	
5,533.96				12/21/16	67.72	66.02	
5,533.97				03/30/17	67.71	66.01	
5,533.66				06/27/17	68.02	66.32	
5,533.43				09/28/17	68.25	66.55	
5,533.39				11/30/17	68.29	66.59	
5,532.99				03/28/18	68.69	66.99	
5,532.74				06/22/18	68.94	67.24	
5,532.32				09/25/18	69.36	67.66	
5,532.04				12/17/18	69.64	67.94	
5,531.48				03/25/19	70.20	68.50	
5,531.20				06/24/19	70.48	68.78	
5,530.96				08/12/19	70.72	69.02	
5,530.14				11/18/19	71.54	69.84	
5,529.73				02/10/20	71.95	70.25	
5,529.08				05/04/20	72.60	70.90	
5,528.48				09/22/20	73.20	71.50	
5,528.42				12/30/20	73.26	71.56	
5,528.39				03/11/21	73.29	71.59	

Water Levels and Data over Time
White Mesa Mill - Well TW4-26

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,599.98	5,601.68	1.70				87.7
5,527.76				06/24/21	73.92	72.22	
5,527.73				08/13/21	73.95	72.25	
5,527.80				12/30/21	73.88	72.18	
5,527.26				02/10/22	74.42	72.72	
5,527.73				06/28/22	73.95	72.25	
5,526.86				08/15/22	74.82	73.12	

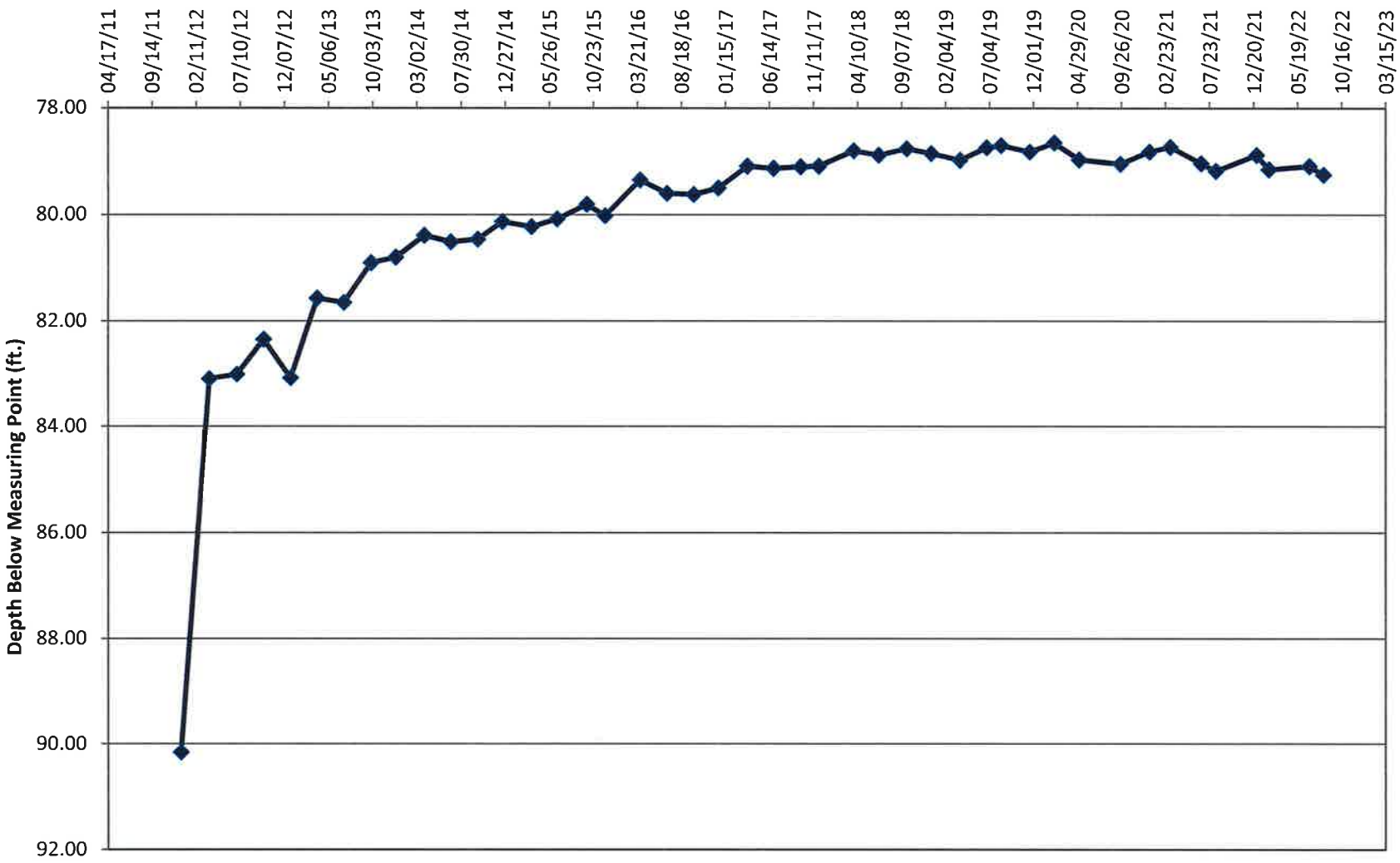
TW4-26 Water Depth Over Time (ft. blmp)



Water Levels and Data over Time
White Mesa Mill - Well TW4-27

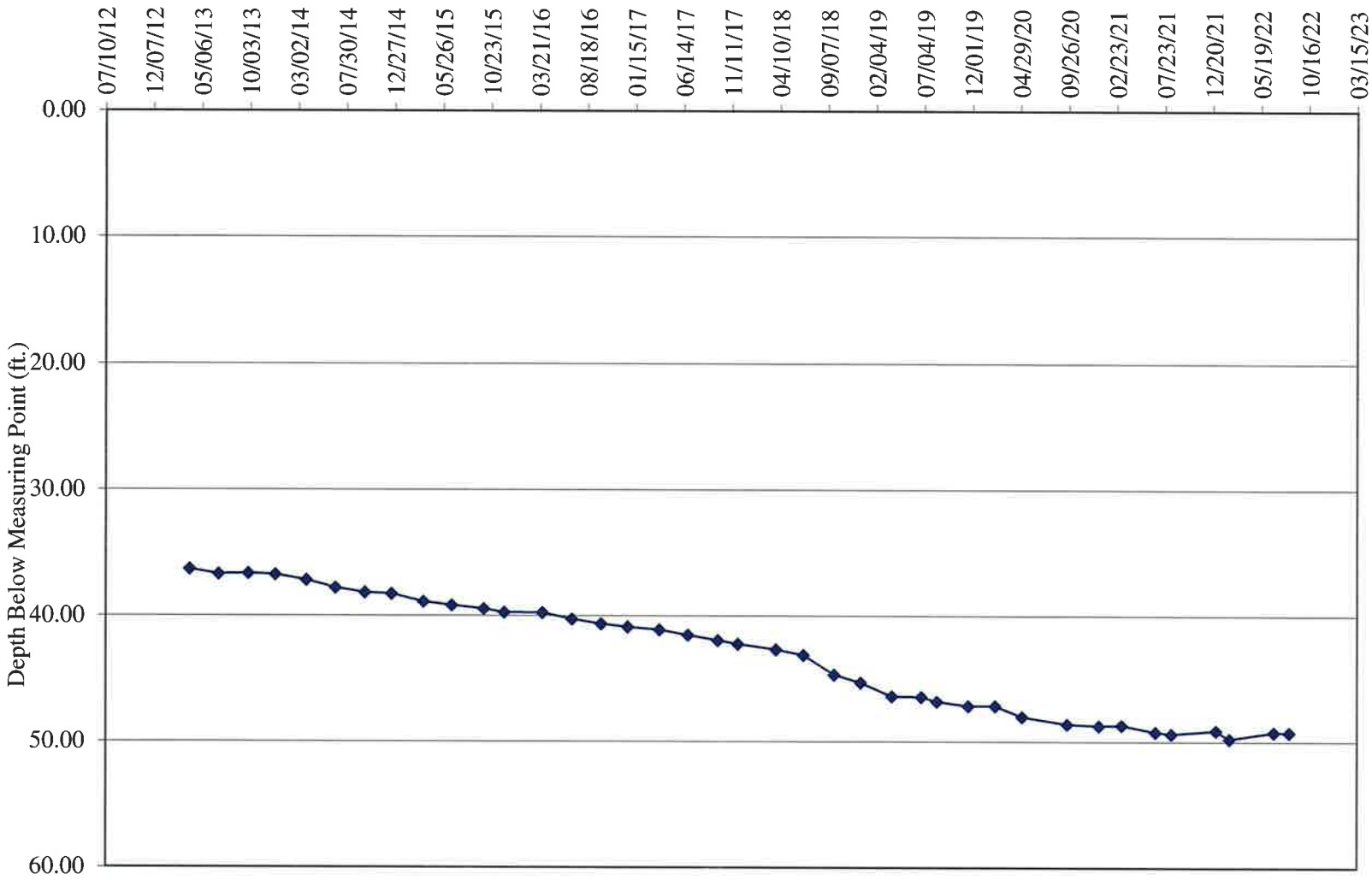
Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,606.19	5,607.94	1.75				95.75
5,517.78				12/21/11	90.16	88.41	
5,524.84				03/27/12	83.10	81.35	
5,524.93				06/28/12	83.01	81.26	
5,525.59				09/27/12	82.35	80.60	
5,524.86				12/28/12	83.08	81.33	
5,526.37				03/28/13	81.57	79.82	
5,526.29				06/27/13	81.65	79.90	
5,527.04				09/27/13	80.90	79.15	
5,527.14				12/20/13	80.80	79.05	
5,527.55				03/27/14	80.39	78.64	
5,527.43				06/25/14	80.51	78.76	
5,527.48				09/25/14	80.46	78.71	
5,527.81				12/17/14	80.13	78.38	
5,527.71				03/26/15	80.23	78.48	
5,527.86				06/22/15	80.08	78.33	
5,528.13				09/30/15	79.81	78.06	
5,527.92				12/02/15	80.02	78.27	
5,528.59				03/30/16	79.35	77.60	
5,528.34				06/30/16	79.60	77.85	
5,528.32				09/29/16	79.62	77.87	
5,528.44				12/21/16	79.50	77.75	
5,528.85				03/30/17	79.09	77.34	
5,528.81				06/27/17	79.13	77.38	
5,528.84				09/28/17	79.10	77.35	
5,528.85				11/29/17	79.09	77.34	
5,529.14				03/28/18	78.80	77.05	
5,529.06				06/21/18	78.88	77.13	
5,529.18				09/25/18	78.76	77.01	
5,529.09				12/17/18	78.85	77.10	
5,528.96				03/25/19	78.98	77.23	
5,529.20				06/24/19	78.74	76.99	
5,529.24				08/12/19	78.70	76.95	
5,529.12				11/18/19	78.82	77.07	
5,529.29				02/10/20	78.65	76.90	
5,528.97				05/04/20	78.97	77.22	
5,528.89				09/22/20	79.05	77.30	
5,529.12				12/30/20	78.82	77.07	
5,529.21				03/11/21	78.73	76.98	
5,528.90				06/24/21	79.04	77.29	
5,528.76				08/13/21	79.18	77.43	
5,529.06				12/30/21	78.88	77.13	
5,528.79				02/10/22	79.15	77.40	
5,528.85				06/28/22	79.09	77.34	
5,528.69				08/15/22	79.25	77.50	

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



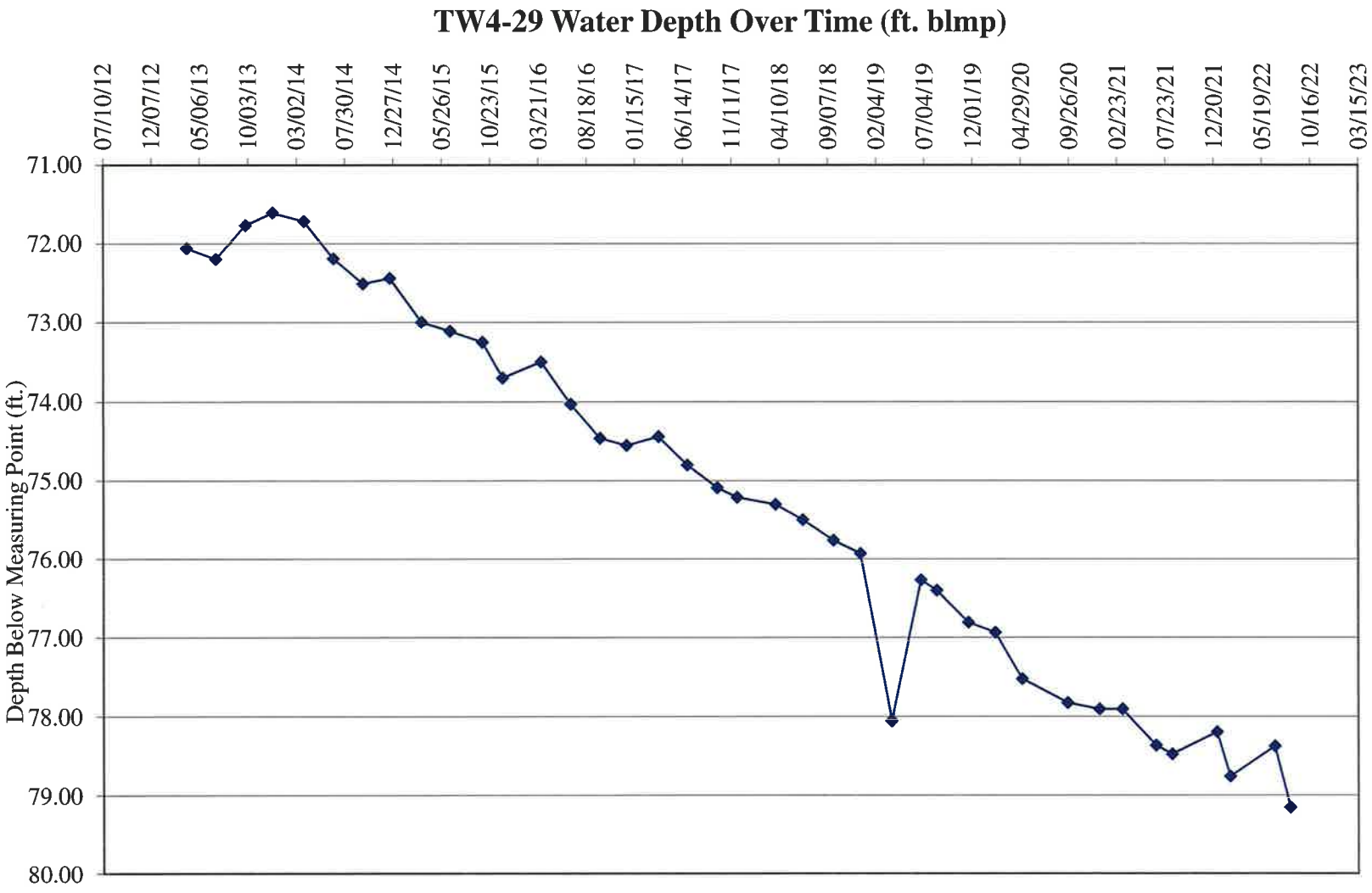
Water Levels and Data over Time
White Mesa Mill - Well TW4-28

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,613.52	5,617.00	3.48				108.48
5,580.69				03/28/13	36.31	32.83	
5,580.30				06/27/13	36.70	33.22	
5,580.35				09/27/13	36.65	33.17	
5,580.25				12/20/13	36.75	33.27	
5,579.83				03/27/14	37.17	33.69	
5,579.21				06/25/14	37.79	34.31	
5,578.84				09/25/14	38.16	34.68	
5,578.72				12/17/14	38.28	34.80	
5,578.11				03/26/15	38.89	35.41	
5,577.83				06/22/15	39.17	35.69	
5,577.56				09/30/15	39.44	35.96	
5,577.27				12/02/15	39.73	36.25	
5,577.25				03/30/16	39.75	36.27	
5,576.75				06/30/16	40.25	36.77	
5,576.36				09/29/16	40.64	37.16	
5,576.13				12/21/16	40.87	37.39	
5,575.92				03/30/17	41.08	37.60	
5,575.50				06/27/17	41.50	38.02	
5,575.08				09/28/17	41.92	38.44	
5,574.80				11/29/17	42.20	38.72	
5,574.36				03/28/18	42.64	39.16	
5,573.92				06/22/18	43.08	39.60	
5,572.37				09/25/18	44.63	41.15	
5,571.74				12/17/18	45.26	41.78	
5,570.65				03/25/19	46.35	42.87	
5,570.60				06/24/19	46.40	42.92	
5,570.24				08/12/19	46.76	43.28	
5,569.87				11/18/19	47.13	43.65	
5,569.89				02/10/20	47.11	43.63	
5,569.01				05/04/20	47.99	44.51	
5,568.41				09/22/20	48.59	45.11	
5,568.29				12/30/20	48.71	45.23	
5,568.32				03/11/21	48.68	45.20	
5,567.79				06/24/21	49.21	45.73	
5,567.64				08/13/21	49.36	45.88	
5,567.89				12/30/21	49.11	45.63	
5,567.24				02/10/22	49.76	46.28	
5,567.75				06/28/22	49.25	45.77	
5,567.73				08/15/22	49.27	45.79	


TW4-28 Water Depth Over Time (ft. blmp)
Depth Below Measuring Point (ft.)
0.00
10.00
20.00
30.00
40.00
50.00
60.00
07/10/12
12/07/12
05/06/13
10/03/13
03/02/14
07/30/14
12/27/14
05/26/15
10/23/15
03/21/16
08/18/16
01/15/17
06/14/17
11/11/17
04/10/18
09/07/18
02/04/19
07/04/19
12/01/19
04/29/20
09/26/20
02/23/21
07/23/21
12/20/21
05/19/22
10/16/22
03/15/23

Water Levels and Data over Time
White Mesa Mill - Well TW4-29

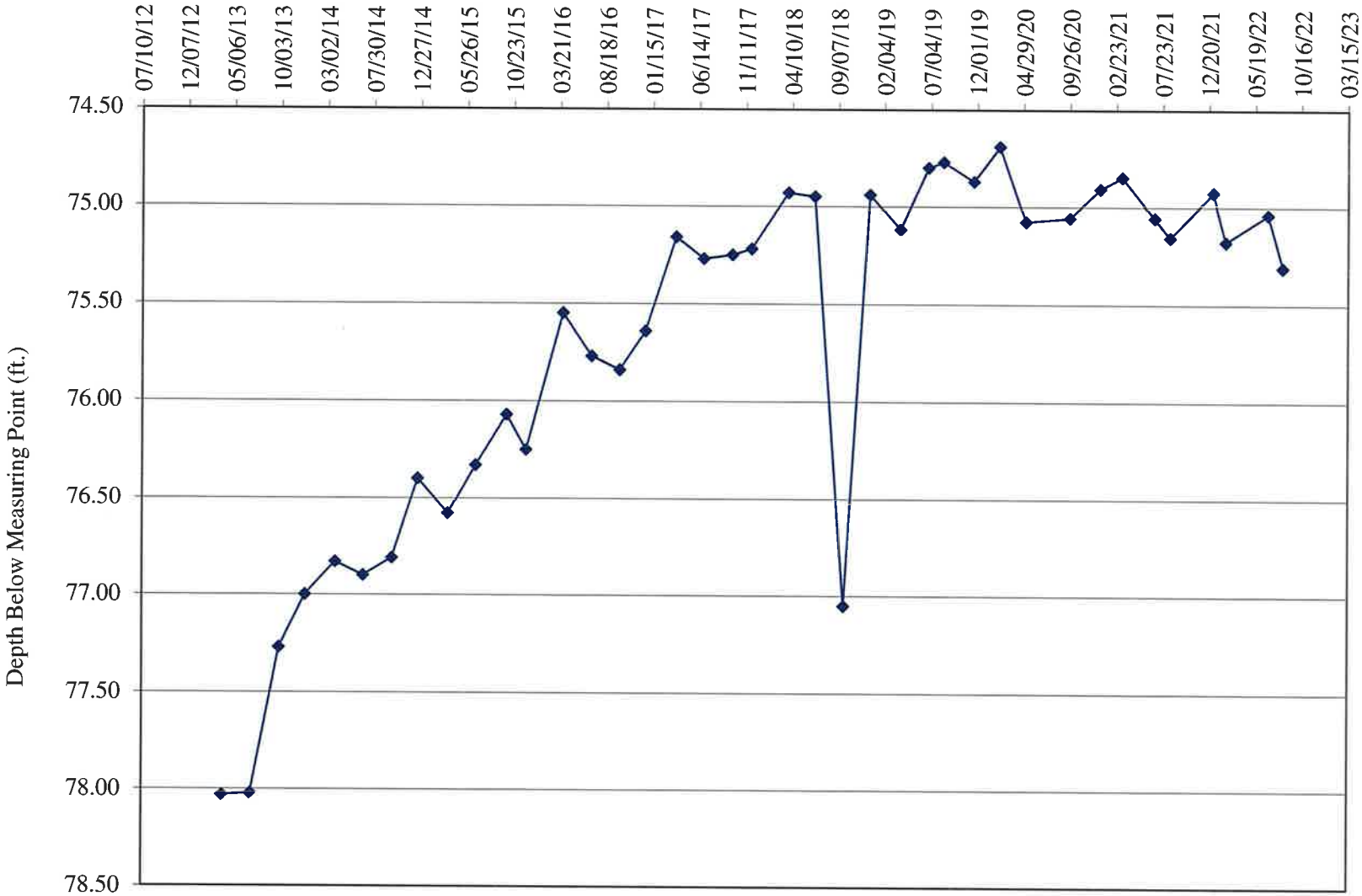
Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,602.56	5,606.04	3.48				94.48
5,533.98				03/28/13	72.06	68.58	
5,533.84				06/27/13	72.20	68.72	
5,534.27				09/27/13	71.77	68.29	
5,534.43				12/20/13	71.61	68.13	
5,534.32				03/27/14	71.72	68.24	
5,533.85				06/25/14	72.19	68.71	
5,533.53				09/25/14	72.51	69.03	
5,533.60				12/17/14	72.44	68.96	
5,533.04				03/26/15	73.00	69.52	
5,532.93				06/22/15	73.11	69.63	
5,532.79				09/30/15	73.25	69.77	
5,532.34				12/02/15	73.70	70.22	
5,532.54				03/30/16	73.50	70.02	
5,532.01				06/30/16	74.03	70.55	
5,531.58				09/29/16	74.46	70.98	
5,531.49				12/21/16	74.55	71.07	
5,531.60				03/30/17	74.44	70.96	
5,531.24				06/27/17	74.80	71.32	
5,530.95				09/28/17	75.09	71.61	
5,530.83				11/29/17	75.21	71.73	
5,530.74				03/28/18	75.30	71.82	
5,530.54				06/21/18	75.50	72.02	
5,530.28				09/25/18	75.76	72.28	
5,530.11				12/17/18	75.93	72.45	
5,527.99				03/25/19	78.05	74.57	
5,529.77				06/24/19	76.27	72.79	
5,529.64				08/12/19	76.40	72.92	
5,529.23				11/18/19	76.81	73.33	
5,529.10				02/10/20	76.94	73.46	
5,528.51				05/04/20	77.53	74.05	
5,528.21				09/22/20	77.83	74.35	
5,528.13				12/30/20	77.91	74.43	
5,528.13				03/11/21	77.91	74.43	
5,527.67				06/24/21	78.37	74.89	
5,527.56				08/13/21	78.48	75.00	
5,527.84				12/30/21	78.20	74.72	
5,527.28				02/10/22	78.76	75.28	
5,527.66				06/28/22	78.38	74.90	
5,526.89				08/15/22	79.15	75.67	


TW4-29 Water Depth Over Time (ft. blmp)
Depth Below Measuring Point (ft.)
71.00
72.00
73.00
74.00
75.00
76.00
77.00
78.00
79.00
80.00
07/10/12
12/07/12
05/06/13
10/03/13
03/02/14
07/30/14
12/27/14
05/26/15
10/23/15
03/21/16
08/18/16
01/15/17
06/14/17
11/11/17
04/10/18
09/07/18
02/04/19
07/04/19
12/01/19
04/29/20
09/26/20
02/23/21
07/23/21
12/20/21
05/19/22
10/16/22
03/15/23

Water Levels and Data over Time
White Mesa Mill - Well TW4-30

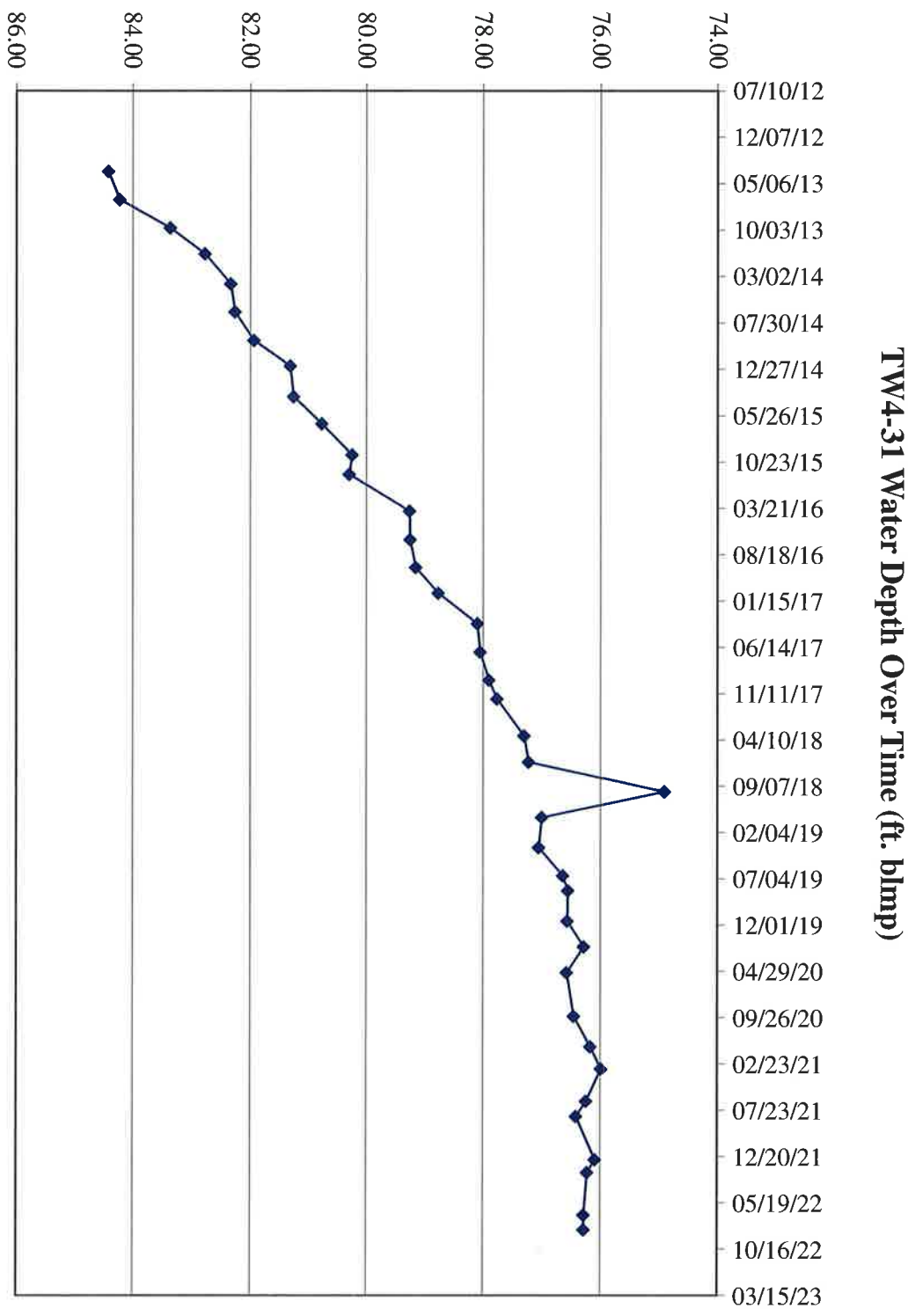
Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,599.33	5,602.81	3.48				93.48
5,524.78				03/28/13	78.03	74.55	
5,524.79				06/27/13	78.02	74.54	
5,525.54				09/27/13	77.27	73.79	
5,525.81				12/20/13	77.00	73.52	
5,525.98				03/27/14	76.83	73.35	
5,525.91				06/25/14	76.90	73.42	
5,526.00				09/25/14	76.81	73.33	
5,526.41				12/17/14	76.40	72.92	
5,526.23				03/26/15	76.58	73.10	
5,526.48				06/22/15	76.33	72.85	
5,526.74				09/30/15	76.07	72.59	
5,526.56				12/02/15	76.25	72.77	
5,527.26				03/30/16	75.55	72.07	
5,527.04				06/30/16	75.77	72.29	
5,526.97				09/29/16	75.84	72.36	
5,527.17				12/21/16	75.64	72.16	
5,527.65				03/30/17	75.16	71.68	
5,527.54				06/27/17	75.27	71.79	
5,527.56				09/28/17	75.25	71.77	
5,527.59				11/29/17	75.22	71.74	
5,527.88				03/28/18	74.93	71.45	
5,527.86				06/21/18	74.95	71.47	
5,525.76				09/25/18	77.05	73.57	
5,527.87				12/17/18	74.94	71.46	
5,527.69				03/25/19	75.12	71.64	
5,528.01				06/24/19	74.80	71.32	
5,528.04				08/12/19	74.77	71.29	
5,527.94				11/18/19	74.87	71.39	
5,528.12				02/10/20	74.69	71.21	
5,527.73				05/04/20	75.08	71.6	
5,527.75				09/22/20	75.06	71.58	
5,527.90				12/30/20	74.91	71.43	
5,527.96				03/11/21	74.85	71.37	
5,527.75				06/24/21	75.06	71.58	
5,527.65				08/13/21	75.16	71.68	
5,527.88				12/30/21	74.93	71.45	
5,527.63				02/10/22	75.18	71.7	
5,527.77				06/28/22	75.04	71.56	
5,527.50				08/15/22	75.31	71.83	

TW4-30 Water Depth Over Time (ft. blmp)



Water Levels and Data over Time
White Mesa Mill - Well TW4-31

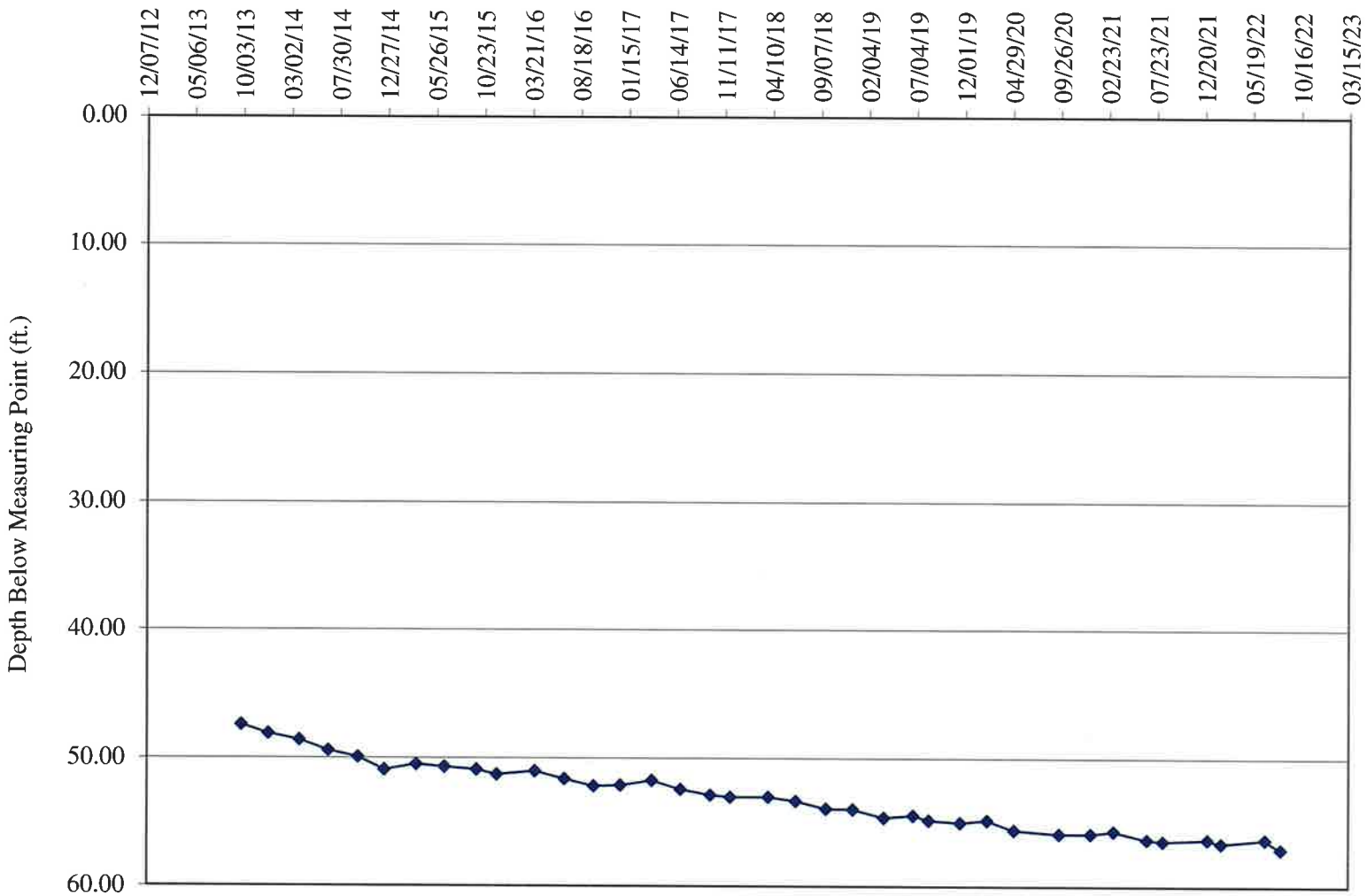
Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,601.10	5,604.58	3.48				107.48
5,520.17				03/28/13	84.41	80.93	
5,520.36				06/27/13	84.22	80.74	
5,521.22				09/27/13	83.36	79.88	
5,521.81				12/20/13	82.77	79.29	
5,522.25				03/27/14	82.33	78.85	
5,522.32				06/25/14	82.26	78.78	
5,522.64				09/25/14	81.94	78.46	
5,523.27				12/17/14	81.31	77.83	
5,523.33				03/26/15	81.25	77.77	
5,523.82				06/22/15	80.76	77.28	
5,524.34				09/30/15	80.24	76.76	
5,524.29				12/02/15	80.29	76.81	
5,525.32				03/30/16	79.26	75.78	
5,525.33				06/30/16	79.25	75.77	
5,525.43				09/29/16	79.15	75.67	
5,525.81				12/21/16	78.77	75.29	
5,526.48				03/30/17	78.10	74.62	
5,526.53				06/30/17	78.05	74.57	
5,526.68				09/28/17	77.90	74.42	
5,526.82				11/29/17	77.76	74.28	
5,527.28				03/28/18	77.30	73.82	
5,527.36				06/21/18	77.22	73.74	
5,529.67				09/25/18	74.91	71.43	
5,527.58				12/17/18	77.00	73.52	
5,527.53				03/25/19	77.05	73.57	
5,527.94				06/24/19	76.64	73.16	
5,528.03				08/12/19	76.55	73.07	
5,528.02				11/18/19	76.56	73.08	
5,528.30				02/10/20	76.28	72.80	
5,528.01				05/04/20	76.57	73.09	
5,528.13				09/22/20	76.45	72.97	
5,528.41				12/30/20	76.17	72.69	
5,528.59				03/11/21	75.99	72.51	
5,528.34				06/24/21	76.24	72.76	
5,528.17				08/13/21	76.41	72.93	
5,528.49				12/30/21	76.09	72.61	
5,528.36				02/10/22	76.22	72.74	
5,528.30				06/28/22	76.28	72.80	
5,528.30				08/15/22	76.28	72.80	


Depth Below Measuring Point (ft.)
86.00
84.00
82.00
80.00
78.00
76.00
74.00
07/10/12
12/07/12
05/06/13
10/03/13
03/02/14
07/30/14
12/27/14
05/26/15
10/23/15
03/21/16
08/18/16
01/15/17
06/14/17
11/11/17
04/10/18
09/07/18
02/04/19
07/04/19
12/01/19
04/29/20
09/26/20
02/23/21
07/23/21
12/20/21
05/19/22
10/16/22
03/15/23
TW4-31 Water Depth Over Time (ft. blmp)

Water Levels and Data over Time
White Mesa Mill - Well TW4-32

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,610.20	5,611.84	1.64				114.64
5,564.43				09/27/13	47.41	45.77	
5,563.74				12/20/13	48.10	46.46	
5,563.24				03/27/14	48.60	46.96	
5,562.43				06/25/14	49.41	47.77	
5,561.90				09/25/14	49.94	48.30	
5,560.93				12/17/14	50.91	49.27	
5,561.35				03/26/15	50.49	48.85	
5,561.15				06/22/15	50.69	49.05	
5,560.96				09/30/15	50.88	49.24	
5,560.58				12/02/15	51.26	49.62	
5,560.85				03/30/16	50.99	49.35	
5,560.25				06/30/16	51.59	49.95	
5,559.69				09/29/16	52.15	50.51	
5,559.75				12/21/16	52.09	50.45	
5,560.14				03/30/17	51.70	50.06	
5,559.44				06/27/17	52.40	50.76	
5,558.99				09/28/17	52.85	51.21	
5,558.84				11/29/17	53.00	51.36	
5,558.85				03/28/18	52.99	51.35	
5,558.52				06/22/18	53.32	51.68	
5,557.92				09/25/18	53.92	52.28	
5,557.89				12/17/18	53.95	52.31	
5,557.24				03/25/19	54.60	52.96	
5,557.41				06/24/19	54.43	52.79	
5,557.03				08/12/19	54.81	53.17	
5,556.86				11/18/19	54.98	53.34	
5,557.04				02/10/20	54.80	53.16	
5,556.29				05/04/20	55.55	53.91	
5,555.99				09/22/20	55.85	54.21	
5,555.99				12/30/20	55.85	54.21	
5,556.19				03/11/21	55.65	54.01	
5,555.54				06/24/21	56.30	54.66	
5,555.41				08/13/21	56.43	54.79	
5,555.56				12/30/21	56.28	54.64	
5,555.23				02/10/22	56.61	54.97	
5,555.56				06/28/22	56.28	54.64	
5,554.76				08/15/22	57.08	55.44	

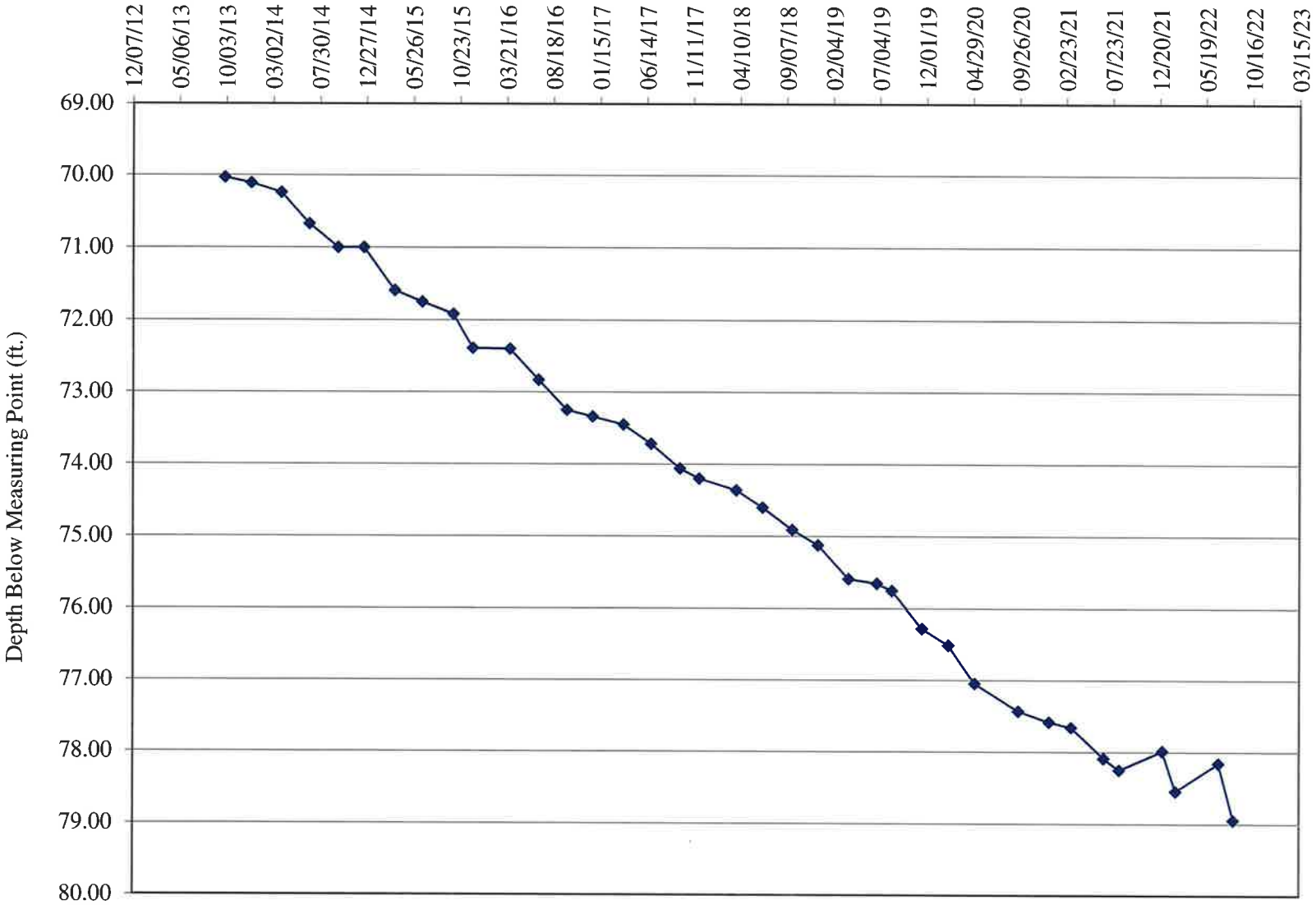
TW4-32 Water Depth Over Time (ft. blmp)



Water Levels and Data over Time
White Mesa Mill - Well TW4-33

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,605.20	5,606.73	1.53				86.23
5,536.70				09/27/13	70.03	68.50	
5,536.62				12/20/13	70.11	68.58	
5,536.49				03/27/14	70.24	68.71	
5,536.06				06/25/14	70.67	69.14	
5,535.73				09/25/14	71.00	69.47	
5,535.73				12/17/14	71.00	69.47	
5,535.14				03/26/15	71.59	70.06	
5,534.98				06/22/15	71.75	70.22	
5,534.81				09/30/15	71.92	70.39	
5,534.34				12/02/15	72.39	70.86	
5,534.33				03/30/16	72.40	70.87	
5,533.90				06/30/16	72.83	71.30	
5,533.48				09/29/16	73.25	71.72	
5,533.39				12/21/16	73.34	71.81	
5,533.28				03/30/17	73.45	71.92	
5,533.01				06/27/17	73.72	72.19	
5,532.67				09/28/17	74.06	72.53	
5,532.53				11/29/17	74.20	72.67	
5,532.37				03/28/18	74.36	72.83	
5,532.13				06/21/18	74.60	73.07	
5,531.82				09/25/18	74.91	73.38	
5,531.61				12/17/18	75.12	73.59	
5,531.14				03/25/19	75.59	74.06	
5,531.08				06/24/19	75.65	74.12	
5,530.98				08/12/19	75.75	74.22	
5,530.45				11/18/19	76.28	74.75	
5,530.22				02/10/20	76.51	74.98	
5,529.68				05/04/20	77.05	75.52	
5,529.30				09/22/20	77.43	75.90	
5,529.15				12/30/20	77.58	76.05	
5,529.07				03/11/21	77.66	76.13	
5,528.64				06/24/21	78.09	76.56	
5,528.48				08/13/21	78.25	76.72	
5,528.74				12/30/21	77.99	76.46	
5,528.18				02/10/22	78.55	77.02	
5,528.57				06/28/22	78.16	76.63	
5,527.78				08/15/22	78.95	77.42	

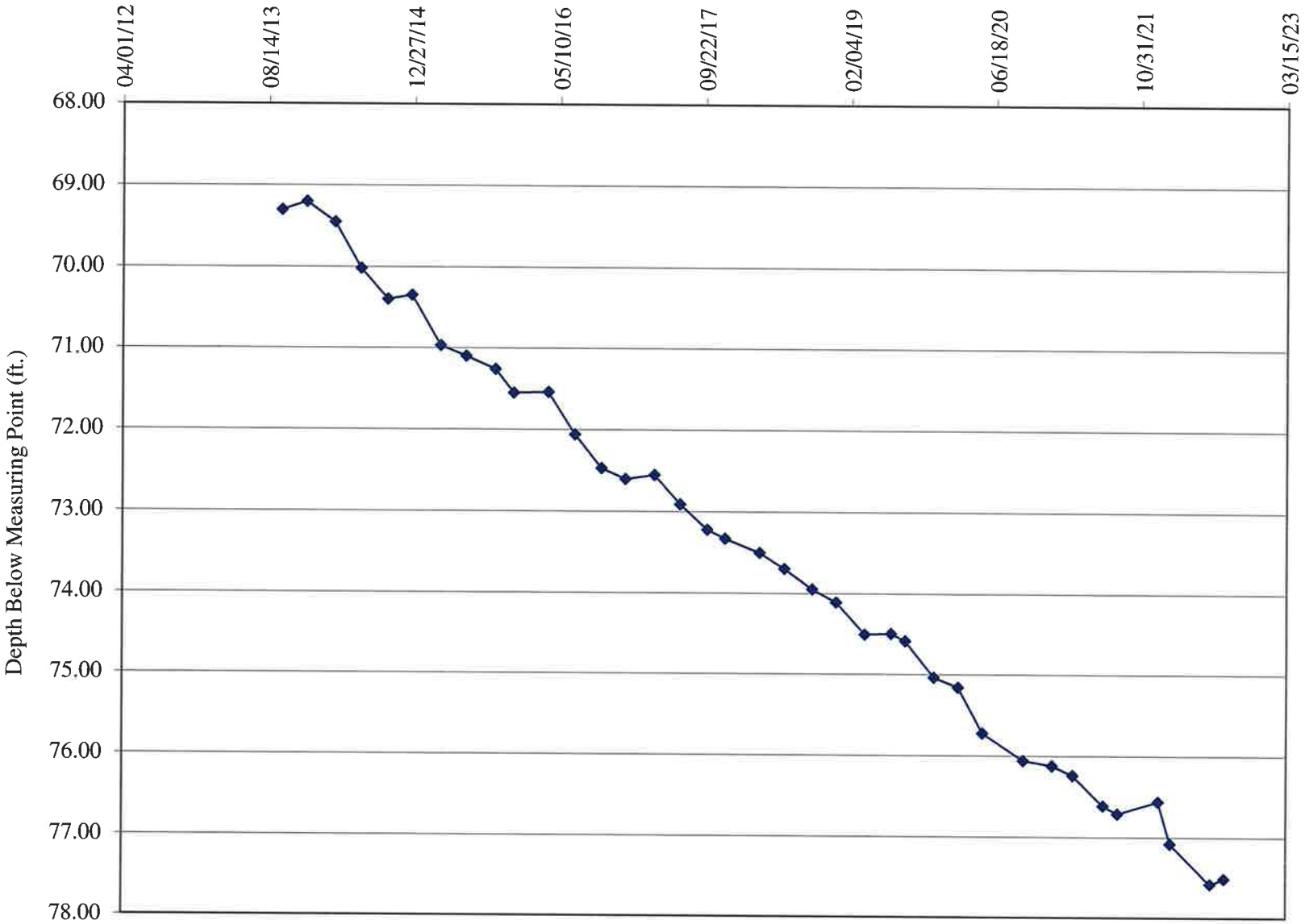
TW4-33 Water Depth Over Time (ft. blmp)



Water Levels and Data over Time
White Mesa Mill - Well TW4-34

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,601.60	5,603.34	1.74				95.74
5,534.04				09/27/13	69.30	67.56	
5,534.14				12/20/13	69.20	67.46	
5,533.89				03/27/14	69.45	67.71	
5,533.32				06/25/14	70.02	68.28	
5,532.94				09/25/14	70.40	68.66	
5,532.99				12/17/14	70.35	68.61	
5,532.37				03/26/15	70.97	69.23	
5,532.24				06/22/15	71.10	69.36	
5,532.08				09/30/15	71.26	69.52	
5,531.79				12/02/15	71.55	69.81	
5,531.80				03/30/16	71.54	69.80	
5,531.28				06/30/16	72.06	70.32	
5,530.87				09/29/16	72.47	70.73	
5,530.74				12/21/16	72.60	70.86	
5,530.79				03/30/17	72.55	70.81	
5,530.43				06/27/17	72.91	71.17	
5,530.12				09/28/17	73.22	71.48	
5,530.01				11/29/17	73.33	71.59	
5,529.84				03/28/18	73.50	71.76	
5,529.64				06/21/18	73.70	71.96	
5,529.39				09/25/18	73.95	72.21	
5,529.23				12/17/18	74.11	72.37	
5,528.83				03/25/19	74.51	72.77	
5,528.84				06/24/19	74.50	72.76	
5,528.75				08/12/19	74.59	72.85	
5,528.30				11/18/19	75.04	73.30	
5,528.18				02/10/20	75.16	73.42	
5,527.62				05/04/20	75.72	73.98	
5,527.28				09/22/20	76.06	74.32	
5,527.22				12/30/20	76.12	74.38	
5,527.10				03/11/21	76.24	74.50	
5,526.73				06/24/21	76.61	74.87	
5,526.63				08/13/21	76.71	74.97	
5,526.78				12/30/21	76.56	74.82	
5,526.26				02/10/22	77.08	75.34	
5,525.76				06/28/22	77.58	75.84	
5,525.83				08/15/22	77.51	75.77	

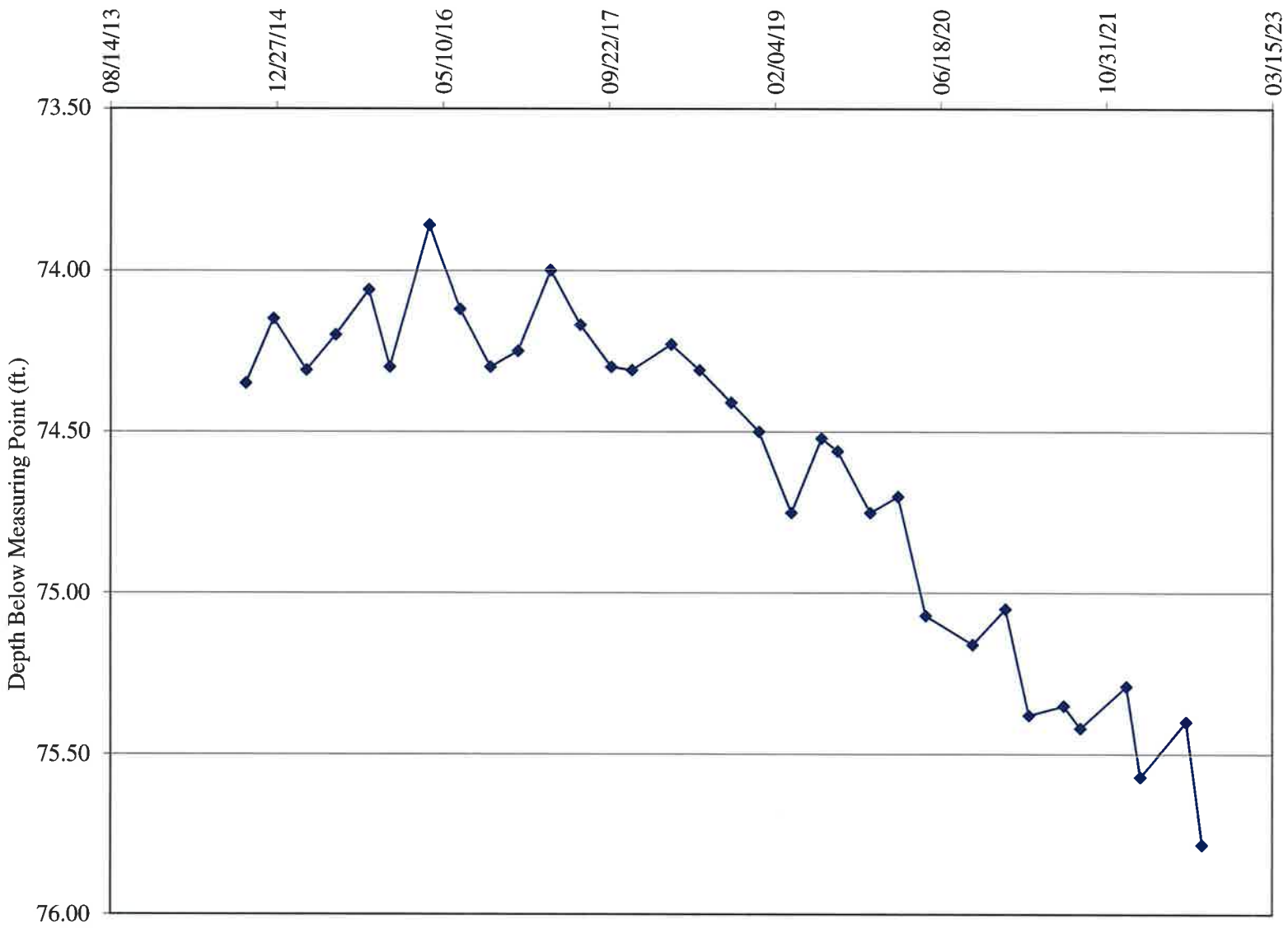
TW4-34 Water Depth Over Time (ft. blmp)



Water Levels and Data over Time
White Mesa Mill - Well TW4-35

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,598.67	5,599.87	1.20				86.5
5,525.52				9/25/2014	74.35	73.15	
5,525.72				12/17/2014	74.15	72.95	
5,525.56				3/26/2015	74.31	73.11	
5,525.67				6/22/2015	74.20	73.00	
5,525.81				9/30/2015	74.06	72.86	
5,525.57				12/2/2015	74.30	73.10	
5,526.01				3/30/2016	73.86	72.66	
5,525.75				6/30/2016	74.12	72.92	
5,525.57				9/29/2016	74.30	73.10	
5,525.62				12/21/2016	74.25	73.05	
5,525.87				3/30/2017	74.00	72.80	
5,525.70				6/27/2017	74.17	72.97	
5,525.57				9/28/2017	74.30	73.10	
5,525.56				11/29/2017	74.31	73.11	
5,525.64				3/28/2018	74.23	73.03	
5,525.56				6/21/2018	74.31	73.11	
5,525.46				9/25/2018	74.41	73.21	
5,525.37				12/17/2018	74.50	73.30	
5,525.12				3/25/2019	74.75	73.55	
5,525.35				6/24/2019	74.52	73.32	
5,525.31				8/12/2019	74.56	73.36	
5,525.12				11/18/2019	74.75	73.55	
5,525.17				2/10/2020	74.70	73.50	
5,524.80				5/4/2020	75.07	73.87	
5,524.71				9/22/2020	75.16	73.96	
5,524.82				12/30/2020	75.05	73.85	
5,524.49				3/11/2021	75.38	74.18	
5,524.52				6/24/2021	75.35	74.15	
5,524.45				8/13/2021	75.42	74.22	
5,524.58				12/30/2021	75.29	74.09	
5,524.30				2/10/2022	75.57	74.37	
5,524.47				6/28/2022	75.40	74.20	
5,524.09				8/15/2022	75.78	74.58	

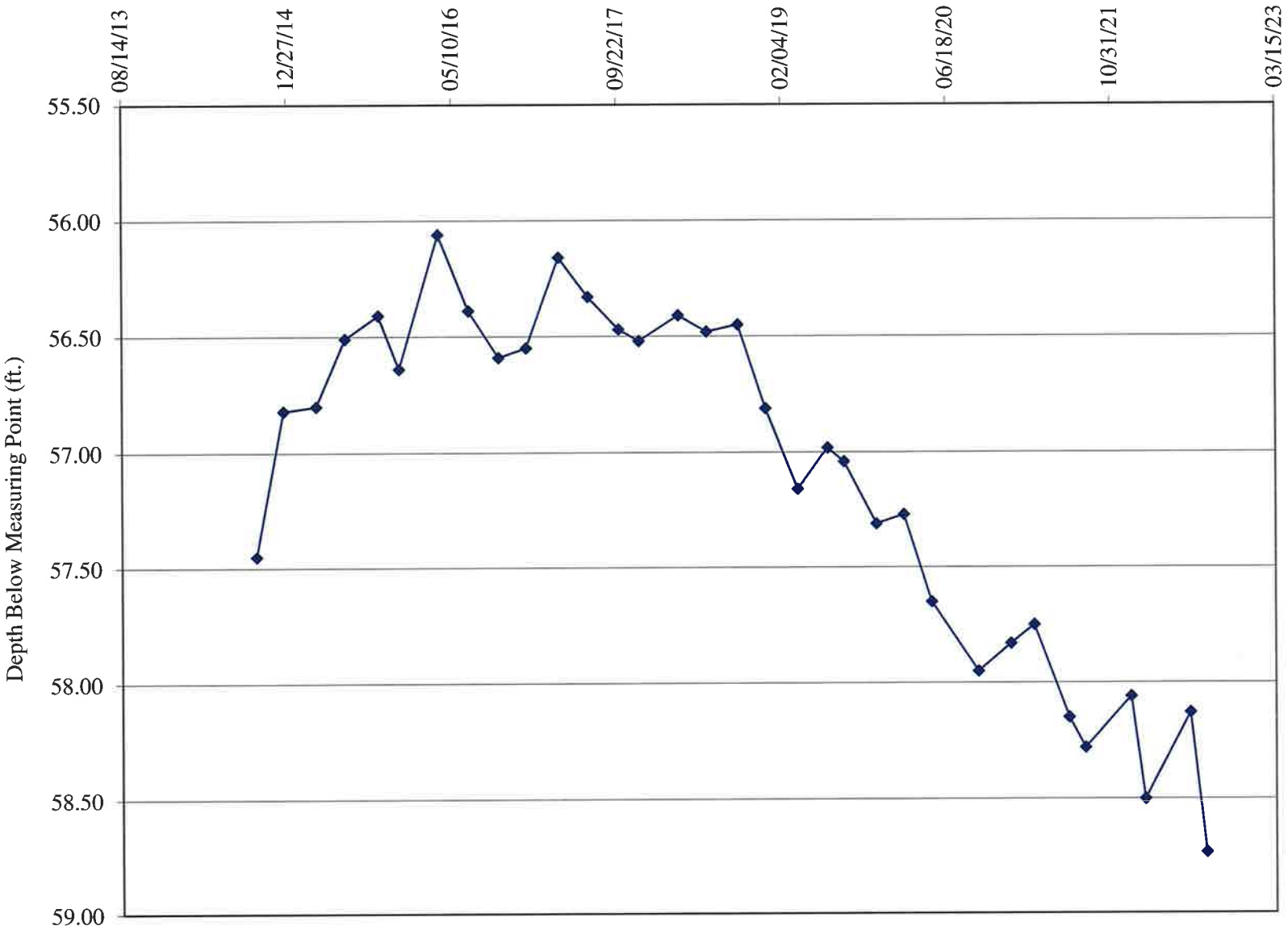
TW4-35 Water Depth Over Time (ft. blmp)



Water Levels and Data over Time
White Mesa Mill - Well TW4-36

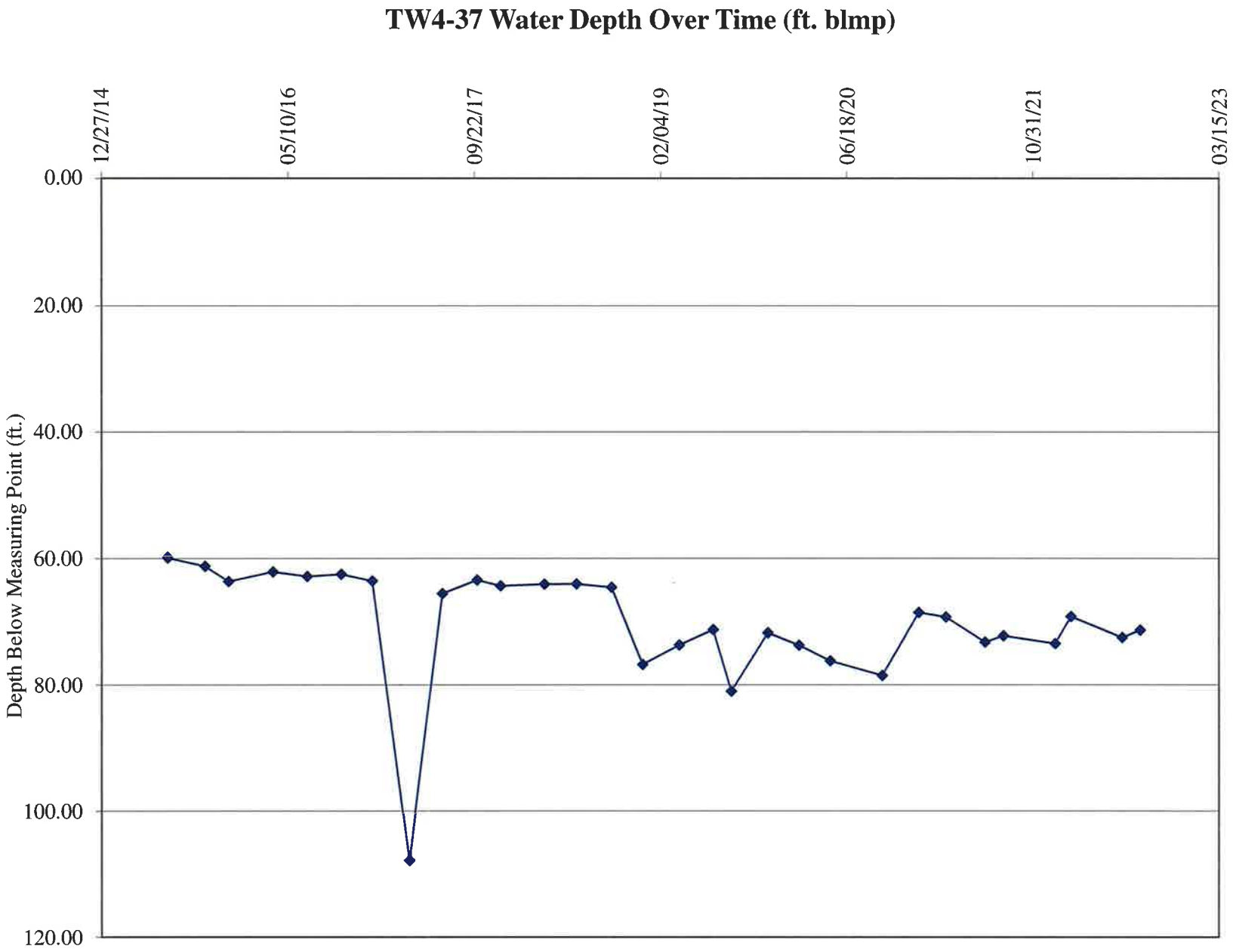
Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,615.18	5,616.59	1.41				99.41
5,559.14				09/25/14	57.45	56.04	
5,559.77				12/17/14	56.82	55.41	
5,559.79				03/26/15	56.80	55.39	
5,560.08				06/22/15	56.51	55.10	
5,560.18				09/30/15	56.41	55.00	
5,559.95				12/02/15	56.64	55.23	
5,560.53				03/30/16	56.06	54.65	
5,560.20				06/30/16	56.39	54.98	
5,560.00				09/29/16	56.59	55.18	
5,560.04				12/21/16	56.55	55.14	
5,560.43				03/30/17	56.16	54.75	
5,560.26				06/27/17	56.33	54.92	
5,560.12				09/28/17	56.47	55.06	
5,560.07				11/29/17	56.52	55.11	
5,560.18				03/28/18	56.41	55.00	
5,560.11				06/22/18	56.48	55.07	
5,560.14				09/25/18	56.45	55.04	
5,559.78				12/17/18	56.81	55.40	
5,559.43				03/25/19	57.16	55.75	
5,559.61				06/24/19	56.98	55.57	
5,559.55				08/12/19	57.04	55.63	
5,559.28				11/18/19	57.31	55.90	
5,559.32				02/10/20	57.27	55.86	
5,558.94				05/04/20	57.65	56.24	
5,558.64				09/22/20	57.95	56.54	
5,558.76				12/30/20	57.83	56.42	
5,558.84				03/11/21	57.75	56.34	
5,558.44				06/24/21	58.15	56.74	
5,558.31				08/13/21	58.28	56.87	
5,558.53				12/30/21	58.06	56.65	
5,558.09				02/10/22	58.50	57.09	
5,558.46				06/28/22	58.13	56.72	
5,557.86				08/15/22	58.73	57.32	

TW4-36 Water Depth Over Time (ft. blmp)



Water Levels and Data over Time
White Mesa Mill - Well TW4-37

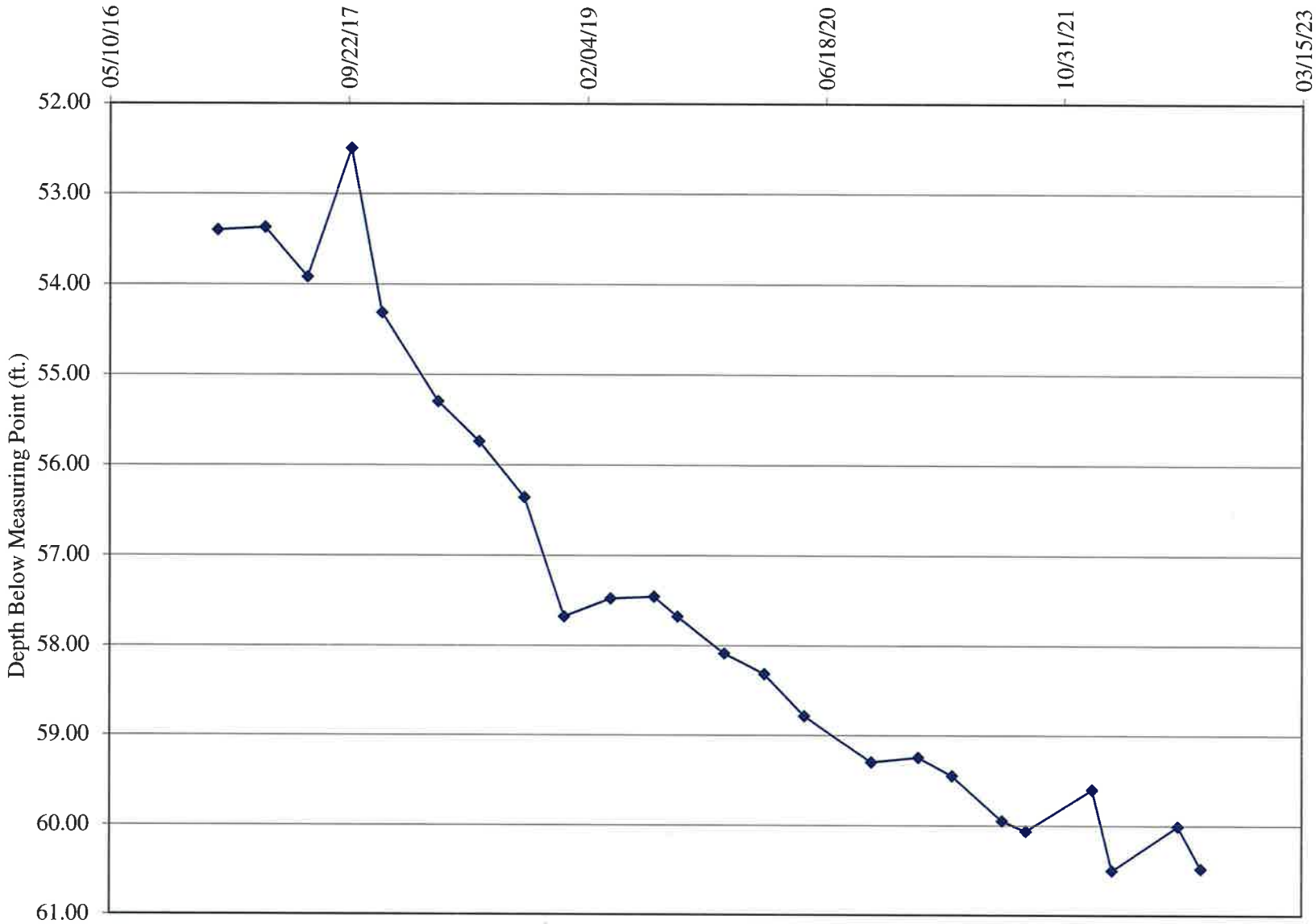
Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,630.13	5,631.85	1.72				113.72
5,571.99				06/22/15	59.86	58.14	
5,570.67				09/30/15	61.18	59.46	
5,568.25				12/02/15	63.60	61.88	
5,569.80				03/30/16	62.05	60.33	
5,569.07				06/30/16	62.78	61.06	
5,569.40				09/29/16	62.45	60.73	
5,568.35				12/21/16	63.50	61.78	
5,524.05				03/30/17	107.80	106.08	
5,566.35				06/27/17	65.50	63.78	
5,568.47				09/28/17	63.38	61.66	
5,567.57				11/30/17	64.28	62.56	
5,567.83				03/28/18	64.02	62.30	
5,567.87				06/22/18	63.98	62.26	
5,567.35				09/24/18	64.50	62.78	
5,555.12				12/17/18	76.73	75.01	
5,558.24				03/25/19	73.61	71.89	
5,560.63				06/24/19	71.22	69.50	
5,550.84				08/12/19	81.01	79.29	
5,560.14				11/18/19	71.71	69.99	
5,558.17				02/10/20	73.68	71.96	
5,555.68				05/04/20	76.17	74.45	
5,553.36				09/21/20	78.49	76.77	
5,563.37				12/28/20	68.48	66.76	
5,562.66				03/11/21	69.19	67.47	
5,558.68				06/24/21	73.17	71.45	
5,559.70				08/13/21	72.15	70.43	
5,558.45				12/30/21	73.40	71.68	
5,562.73				02/10/22	69.12	67.40	
5,559.41				06/28/22	72.44	70.72	
5,560.55				08/15/22	71.30	69.58	


TW4-37 Water Depth Over Time (ft. blmp)
12/27/14
05/10/16
09/22/17
02/04/19
06/18/20
10/31/21
03/15/23
0.00
20.00
40.00
60.00
80.00
100.00
120.00
Depth Below Measuring Point (ft.)

Water Levels and Data over Time
White Mesa Mill - Well TW4-38

Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,628.82	5,629.99	1.17				113.92
5,576.59				12/21/16	53.40	52.23	
5,576.62				03/30/17	53.37	52.20	
5,576.07				06/27/17	53.92	52.75	
5,577.49				09/28/17	52.50	51.33	
5,575.68				11/30/17	54.31	53.14	
5,574.69				03/28/18	55.30	54.13	
5,574.25				06/22/18	55.74	54.57	
5,573.63				09/25/18	56.36	55.19	
5,572.31				12/17/18	57.68	56.51	
5,572.51				03/25/19	57.48	56.31	
5,572.53				06/24/19	57.46	56.29	
5,572.31				08/12/19	57.68	56.51	
5,571.90				11/18/19	58.09	56.92	
5,571.67				02/10/20	58.32	57.15	
5,571.20				05/04/20	58.79	57.62	
5,570.69				09/22/20	59.30	58.13	
5,570.74				12/30/20	59.25	58.08	
5,570.54				03/11/21	59.45	58.28	
5,570.04				06/24/21	59.95	58.78	
5,569.93				08/13/21	60.06	58.89	
5,570.39				12/30/21	59.60	58.43	
5,569.49				02/10/22	60.50	59.33	
5,569.98				06/28/22	60.01	58.84	
5,569.51				08/15/22	60.48	59.31	

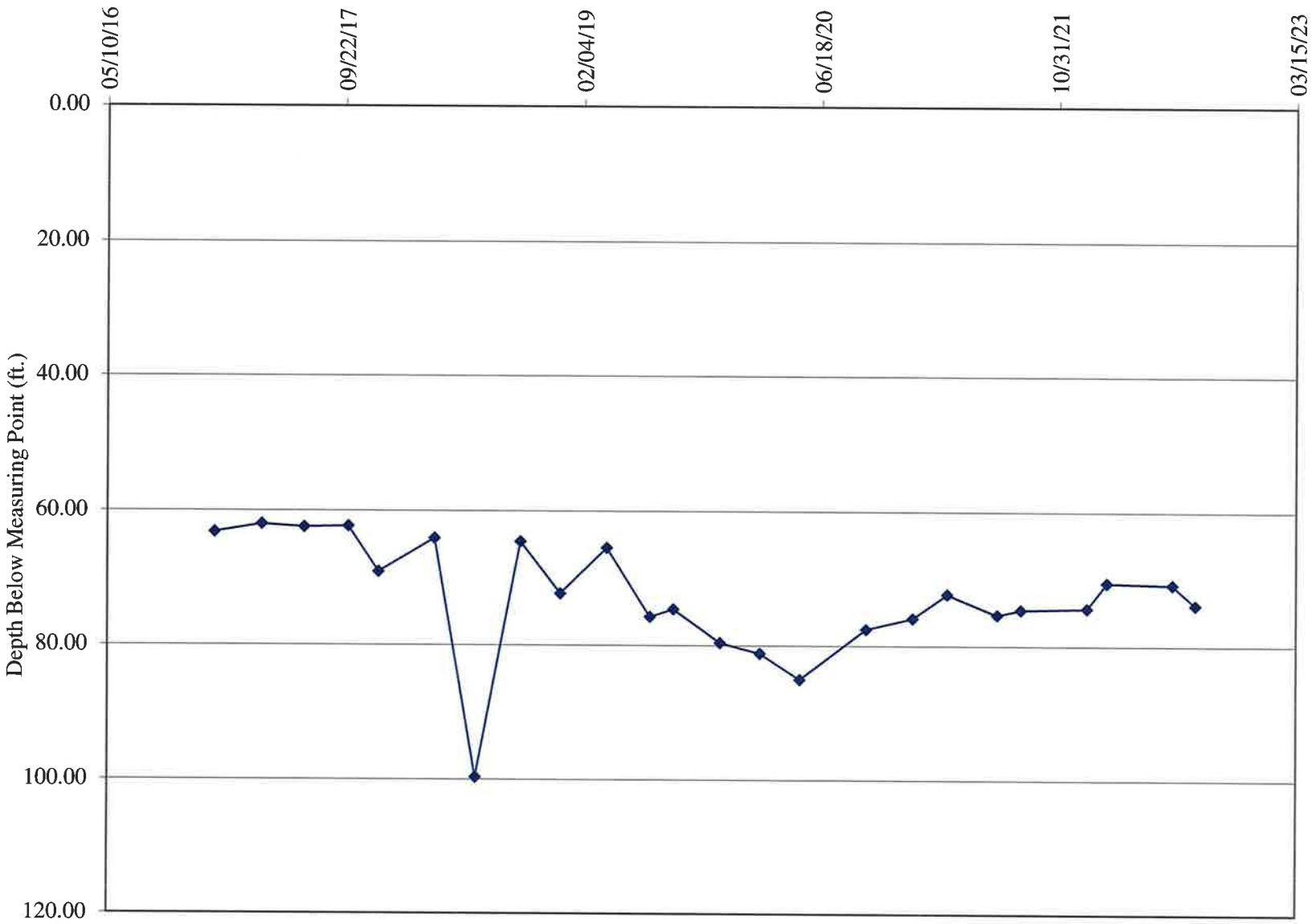
TW4-38 Water Depth Over Time (ft. blmp)



Water Levels and Data over Time
White Mesa Mill - Well TW4-39

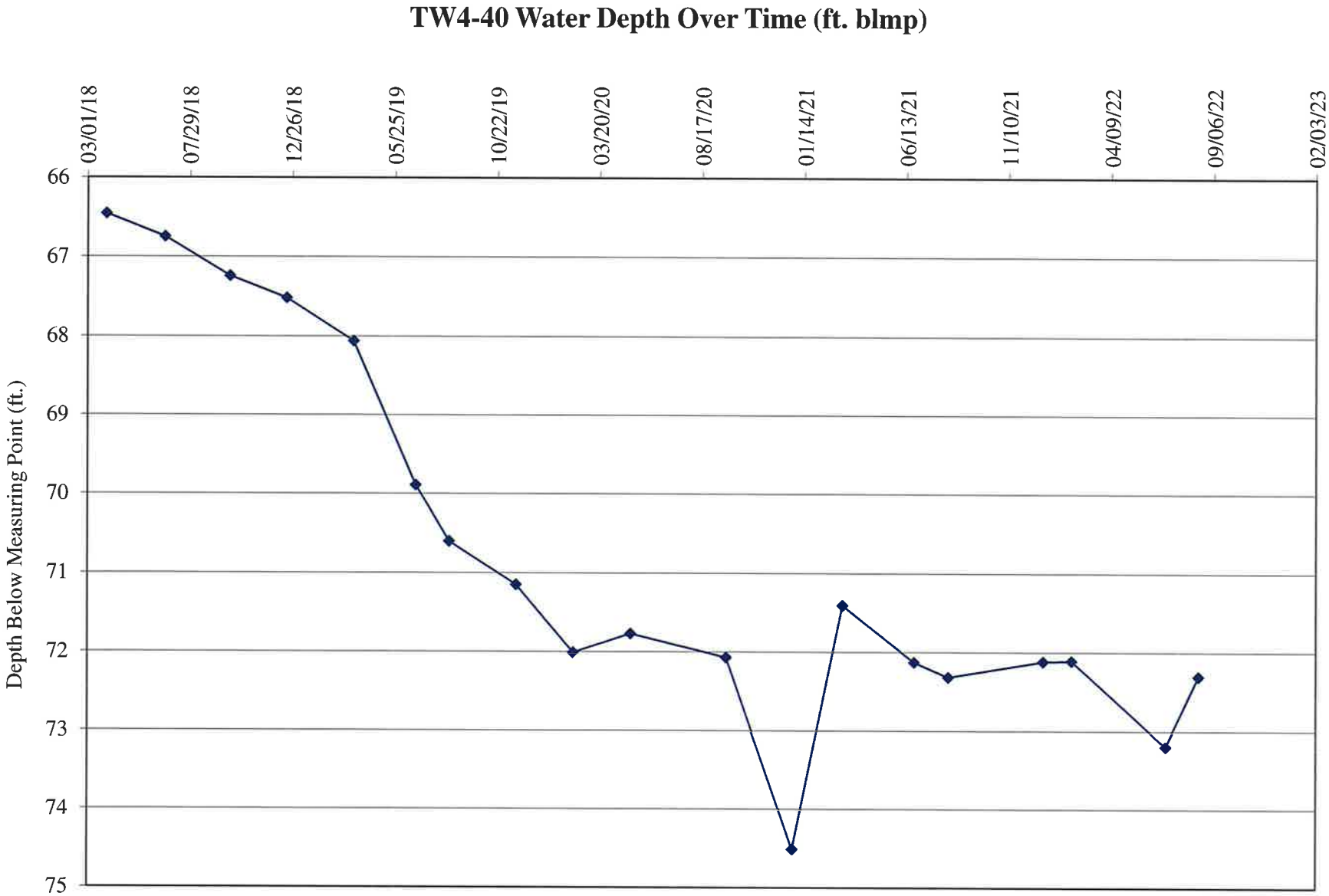
Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,628.82	5,629.56	0.74				120.74
5,566.39				12/21/16	63.17	62.43	
5,567.57				03/30/17	61.99	61.25	
5,567.11				06/27/17	62.45	61.71	
5,567.26				09/28/17	62.30	61.56	
5,560.52				11/30/17	69.04	68.30	
5,565.51				03/28/18	64.05	63.31	
5,529.91				06/22/18	99.65	98.91	
5,565.04				09/24/18	64.52	63.78	
5,557.32				12/17/18	72.24	71.50	
5,564.12				03/25/19	65.44	64.70	
5,553.85				06/24/19	75.71	74.97	
5,555.03				08/12/19	74.53	73.79	
5,549.98				11/18/19	79.58	78.84	
5,548.39				02/10/20	81.17	80.43	
5,544.51				05/04/20	85.05	84.31	
5,552.04				09/21/20	77.52	76.78	
5,553.71				12/28/20	75.85	75.11	
5,557.31				03/11/21	72.25	71.51	
5,554.26				06/24/21	75.30	74.56	
5,555.01				08/13/21	74.55	73.81	
5,555.23				12/30/21	74.33	73.59	
5,559.05				02/10/22	70.51	69.77	
5,558.79				06/28/22	70.77	70.03	
5,555.74				08/15/22	73.82	73.08	

TW4-39 Water Depth Over Time (ft. blmp)



Water Levels and Data over Time
White Mesa Mill - Well TW4-40

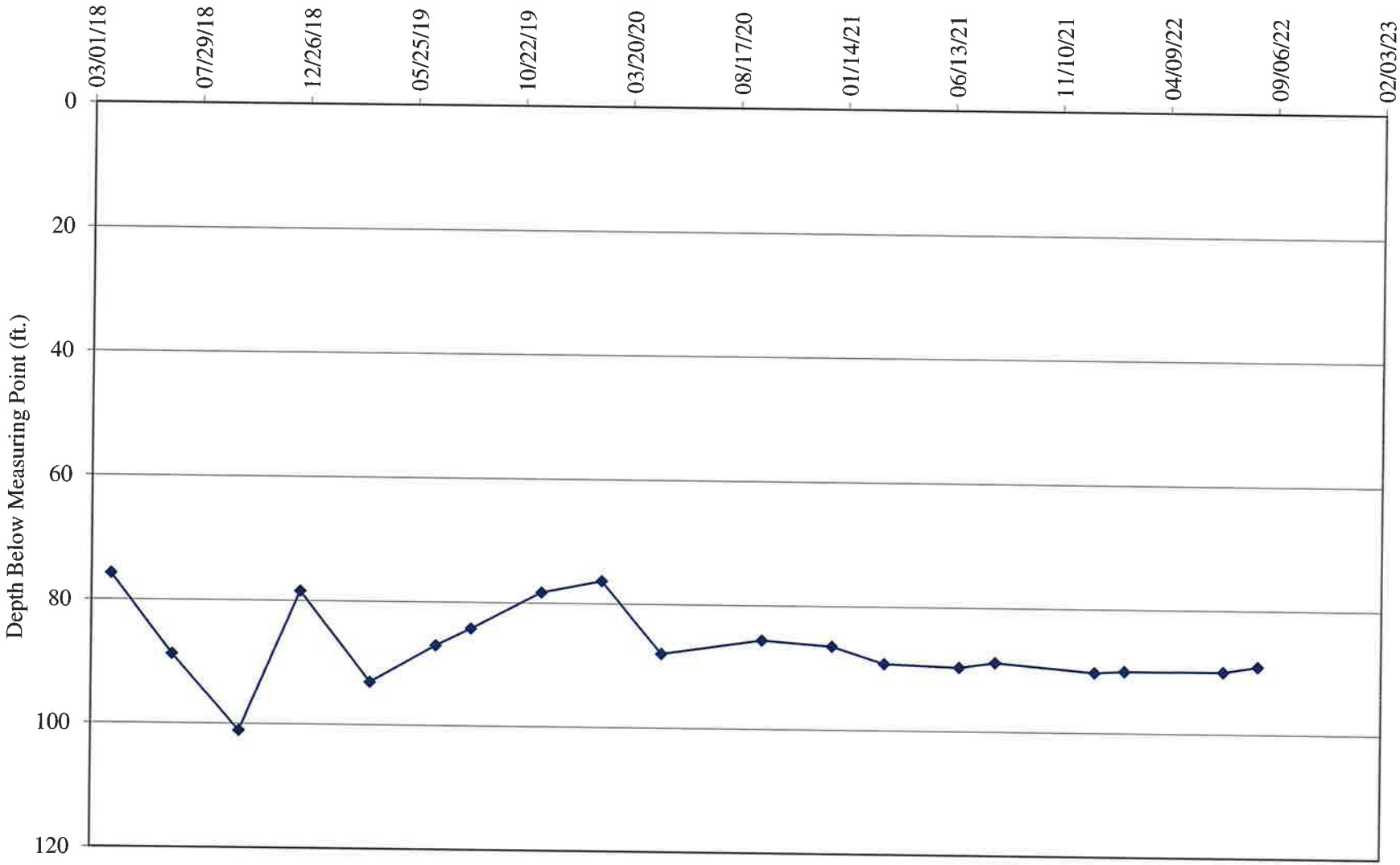
Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,595.66	5,597.58	1.92				86
5,531.12				03/28/18	66.46	64.54	
5,530.83				06/22/18	66.75	64.83	
5,530.34				09/25/18	67.24	65.32	
5,530.06				12/17/18	67.52	65.60	
5,529.52				03/25/19	68.06	66.14	
5,527.69				06/24/19	69.89	67.97	
5,526.98				08/12/19	70.60	68.68	
5,526.43				11/18/19	71.15	69.23	
5,525.57				02/10/20	72.01	70.09	
5,525.81				05/04/20	71.77	69.85	
5,525.51				09/21/20	72.07	70.15	
5,523.08				12/28/20	74.50	72.58	
5,526.17				03/11/21	71.41	69.49	
5,525.45				06/24/21	72.13	70.21	
5,525.26				08/13/21	72.32	70.40	
5,525.46				12/30/21	72.12	70.20	
5,525.47				02/10/22	72.11	70.19	
5,524.39				06/28/22	73.19	71.27	
5,525.27				08/15/22	72.31	70.39	


TW4-40 Water Depth Over Time (ft. blmp)
03/01/18
07/29/18
12/26/18
05/25/19
10/22/19
03/20/20
08/17/20
01/14/21
06/13/21
11/10/21
04/09/22
09/06/22
02/03/23
66
67
68
69
70
71
72
73
74
75
Depth Below Measuring Point (ft.)

Water Levels and Data over Time
White Mesa Mill - Well TW4-41

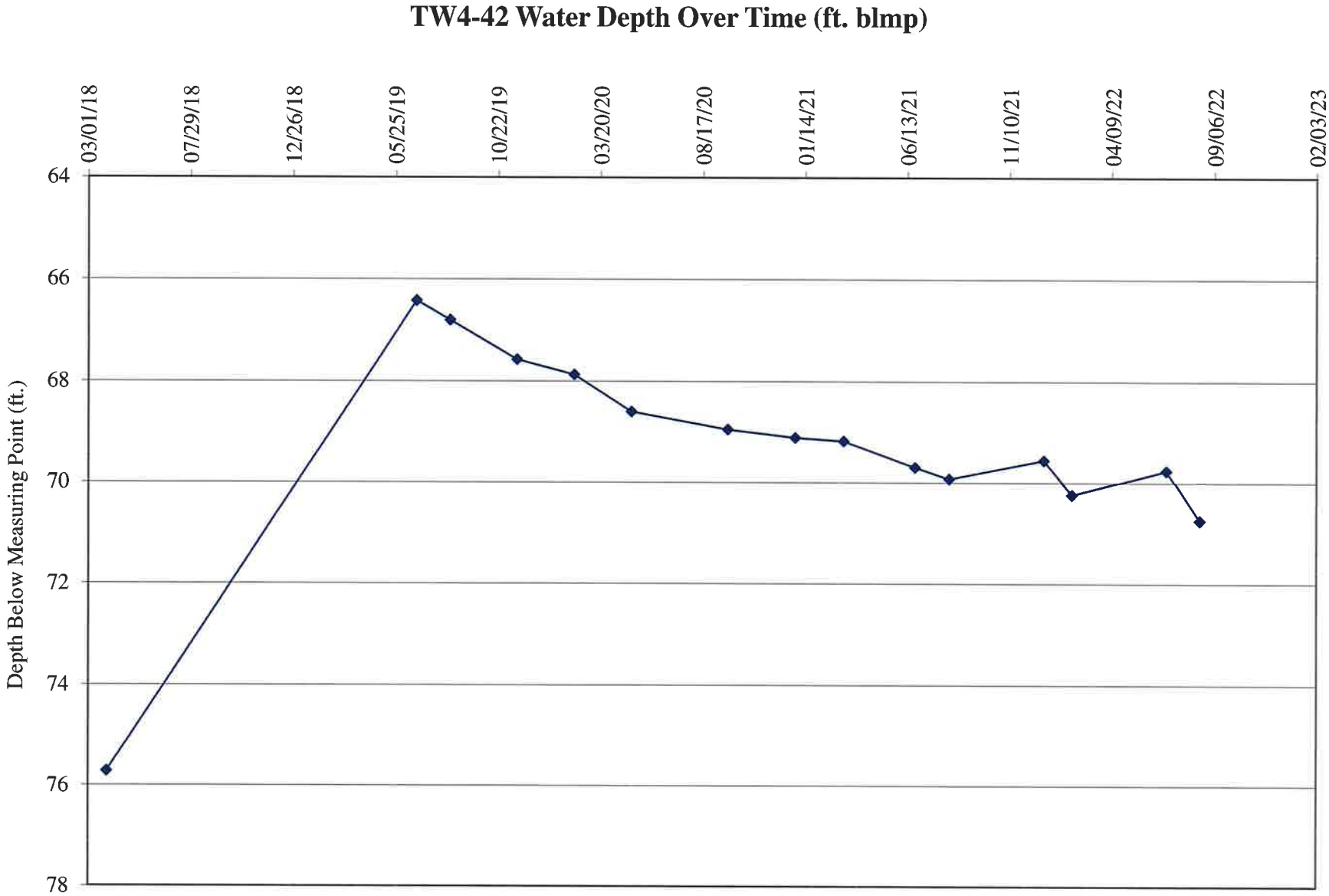
Water Elevation (WL)	Land Surface (LSD)	Measuring Point Elevation (MP)	Length Of Riser (L)	Date Of Monitoring	Total or Measured Depth to Water (blw.MP)	Total Depth to Water (blw.LSD)	Total Depth Of Well
	5,613.31	5,614.96	1.65				97.8
5,539.24				03/28/18	75.72	74.07	
5,526.18				06/22/18	88.78	87.13	
5,513.86				09/24/18	101.10	99.45	
5,536.53				12/17/18	78.43	76.78	
5,521.88				03/25/19	93.08	91.43	
5,527.89				06/24/19	87.07	85.42	
5,530.75				08/12/19	84.21	82.56	
5,536.69				11/18/19	78.27	76.62	
5,538.67				02/10/20	76.29	74.64	
5,526.94				05/04/20	88.02	86.37	
5,529.30				09/21/20	85.66	84.01	
5,528.43				12/28/20	86.53	84.88	
5,525.74				03/11/21	89.22	87.57	
5,525.25				06/24/21	89.71	88.06	
5,526.09				08/13/21	88.87	87.22	
5,524.68				12/30/21	90.28	88.63	
5,524.95				02/10/22	90.01	88.36	
5,524.97				06/28/22	89.99	88.34	
5,525.83				08/15/22	89.13	87.48	

TW4-41 Water Depth Over Time (ft. blmp)



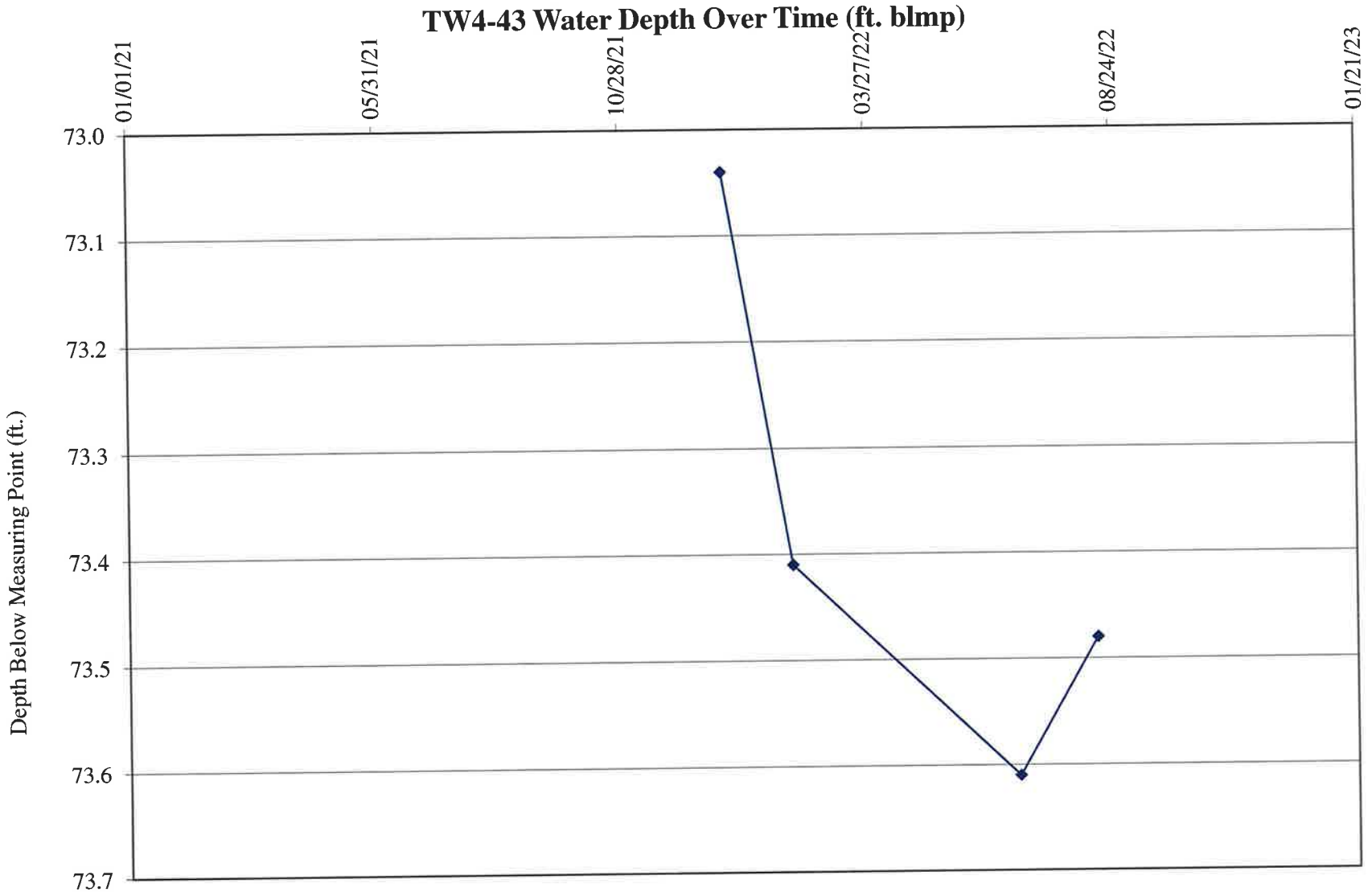
Water Levels and Data over Time
White Mesa Mill - Well TW4-42

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
	5,592.39	5,594.70	2.31				86.0
5,518.98				03/28/18	75.72	73.41	
5,528.28				06/24/19	66.42	64.11	
5,527.90				08/12/19	66.80	64.49	
5,527.13				11/18/19	67.57	65.26	
5,526.83				02/10/20	67.87	65.56	
5,526.10				05/04/20	68.60	66.29	
5,525.75				09/22/20	68.95	66.64	
5,525.59				12/30/20	69.11	66.80	
5,525.52				03/11/21	69.18	66.87	
5,525.00				06/24/21	69.70	67.39	
5,524.77				08/13/21	69.93	67.62	
5,525.14				12/30/21	69.56	67.25	
5,524.45				02/10/22	70.25	67.94	
5,524.93				06/28/22	69.77	67.46	
5,523.95				08/15/22	70.75	68.44	


TW4-42 Water Depth Over Time (ft. blmp)
03/01/18
07/29/18
12/26/18
05/25/19
10/22/19
03/20/20
08/17/20
01/14/21
06/13/21
11/10/21
04/09/22
09/06/22
02/03/23
64
66
68
70
72
74
76
78
Depth Below Measuring Point (ft.)

Water Levels and Data over Time
White Mesa Mill - Well TW4-43

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
	5,595.17	5,596.89	1.72				95.5
5,523.85				12/30/21	73.04	71.32	
5,523.48				02/10/22	73.41	71.69	
5,523.28				06/28/22	73.61	71.89	
5,523.41				08/15/22	73.48	71.76	


TW4-43 Water Depth Over Time (ft. blmp)
01/01/21
05/31/21
10/28/21
03/27/22
08/24/22
01/21/23
73.0
73.1
73.2
73.3
73.4
73.5
73.6
73.7
Depth Below Measuring Point (ft.)

Tab G

Chloroform Mass Removed and Volume Pumped in Chloroform Pumping Wells over Time

Table G-1
Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

	MW-4						MW-26 (formerly TW4-15)					
Quarter	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)
Q1 2007	1307110	3370	4947411.4	1.6673E+10	16673	36.8	930510	1660	3521980.4	5846487381	5846	12.9
Q2 2007	81230	2000	307455.6	614911100	615	1.4	54400	300	205904.0	61771200	62	0.1
Q3 2007	100700	2600	381149.5	990988700	991	2.2	72080	1400	272822.8	381951920	382	0.8
Q4 2007	90830	2300	343791.6	790720565	791	1.7	61750	2000	233723.8	467447500	467	1.0
Q1 2008	83950	2400	317750.8	762601800	763	1.7	47780	930	180847.3	168187989	168	0.4
Q2 2008	62780	2500	237622.3	594055750	594	1.3	44840	1300	169719.4	220635220	221	0.5
Q3 2008	81400	1800	308099.0	554578200	555	1.2	61280	630	231944.8	146125224	146	0.3
Q4 2008	91320	1700	345646.2	587598540	588	1.3	55700	630	210824.5	132819435	133	0.3
Q1 2009	90710	2200	343337.4	755342170	755	1.7	52970	950	200491.5	190466878	190	0.4
Q2 2009	450040	1800	1703401.4	3066122520	3066	6.8	58050	410	219719.3	90084892.5	90	0.2
Q3 2009	90420	2000	342239.7	684479400	684	1.5	57610	850	218053.9	185345773	185	0.4
Q4 2009	322380	1800	1220208.3	2196374940	2196	4.8	61960	1100	234518.6	257970460	258	0.6
Q1 2010	68125	1600	257853.1	412565000	413	0.9	61320	780	232096.2	181035036	181	0.4
Q2 2010	84005.33	2100	317960.2	667716366	668	1.5	60500	1900	228992.5	435085750	435	1.0
Q3 2010	79859.1	1900	302266.7	574306718	574	1.3	63850	2200	241672.3	531678950	532	1.2
Q4 2010	90042.2	1500	340809.7	511214591	511	1.1	60180	970	227781.3	220947861	221	0.5
Q1 2011	76247.6	1700	288597.2	490615182	491	1.1	55130	450	208667.1	93900172.5	94	0.2
Q2 2011	85849.3	1700	324939.6	552397321	552	1.2	55800.6	1800	211205.3	380169488	380	0.8
Q3 2011	85327.7	1700	322965.3	549041086	549	1.2	65618	720	248364.1	178822174	179	0.4
Q4 2011	89735.0	1600	339647.0	543435160	543	1.2	50191.3	1800	189974.1	341953327	342	0.8
Q1 2012	90376.4	1500	342074.7	513112011	513	1.1	31440.1	2400	119000.8	285601868	286	0.6
Q2 2012	90916.5	1400	344118.8	481766269	482	1.1	26701.2	3000	101064.1	303192353	303	0.7
Q3 2012	91607.0	1500	346732.5	520098743	520	1.1	25246	3100	95556.1	296223941	296	0.7
Q4 2012	78840.0	1300	298409.4	387932220	388	0.9	30797	1200	116566.6	139879974	140	0.3
Q1 2013	62943.7	1670	238241.9	397863981	398	0.9	22650.7	2120	85732.9	181753747	182	0.4
Q2 2013	71187.3	1490	269443.9	401471456	401	0.9	25343.4	4030	95924.8	386576819	387	0.9
Q3 2013	72898.8	1520	275922.0	419401376	419	0.9	25763	2940	97513.0	286688088	287	0.6
Q4 2013	70340.4	1410	266238.4	375396164	375	0.8	24207.6	1410	91625.8	129192330	129	0.3
Q1 2014	69833.8	1390	264320.9	367406097	367	0.8	23263.1	1400	88050.8	123271167	123	0.3
Q2 2014	71934.9	1390	272273.6	378460299	378	0.8	23757.5	1960	89922.1	176247390	176	0.4
Q3 2014	74788.2	1490	283073.3	421779272	422	0.9	24062.4	2120	91076.2	193081510	193	0.4
Q4 2014	63093.0	1440	238807.0	343882087	344	0.8	21875.8	2090	82799.9	173051797	173	0.4
Q1 2015	76454.3	1400	289379.5	405131336	405	0.9	24004.9	1980	90858.5	179899922	180	0.4
Q2 2015	60714.7	1300	229805.1	298746681	299	0.7	27804.6	1980	105240.4	208376014	208	0.5
Q3 2015	89520.8	1290	338836.2	437098734	437	1.0	21042.0	2350	79644.0	187163330	187	0.4
Q4 2015	99633.4	1200	377112.4	452534903	453	1.0	19355.6	2680	73260.9	196339335	196	0.4
Q1 2016	90882.1	1240	343988.7	426546048	427	0.9	19150.8	2650	72485.8	192087312	192	0.4
Q2 2016	96540.5	1580	365405.8	577341152	577	1.3	22105.7	2220	83670.1	185747565	186	0.4
Q3 2016	79786.4	1430	301991.5	431847879	432	1.0	17149.5	3190	64910.9	207065635	207	0.5
Q4 2016	85414.0	1470	323292.0	475239225	475	1.0	18541.6	2510	70180.0	176151690	176	0.4
Q1 2017	76642.3	1450	290091.1	420632103	421	0.9	26107.0	1290	98815.0	127471344	127	0.3
Q2 2017	72299.8	1430	273654.7	391326282	391	0.9	25921.8	2450	98114.0	240379332	240	0.5
Q3 2017	95349.3	1400	360897.1	505255941	505	1.1	27489.9	1230	104049.3	127980604	128	0.3
Q4 2017	106679.8	1320	403783.0	532993617	533	1.2	26445.8	2570	100097.4	257250197	257	0.6

Table G-1

Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

	MW-4						MW-26 (formerly TW4-15)					
Quarter	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)
Q1 2018	105060.4	1320	397653.6	524902770	525	1.2	27004.7	1210	102212.8	123677475	124	0.3
Q2 2018	101786.2	1240	385260.8	477723351	478	1.1	26654.7	1870	100888.0	188660634	189	0.4
Q3 2018	95480.5	1300	361393.7	469811800	470	1.0	25536.1	1680	96654.1	162378953	162	0.4
Q4 2018	102884.8	1330	389418.9	517927177	518	1.1	23791.3	1480	90050.1	133274104	133	0.3
Q1 2019	111746.9	1190	422962.0	503324800	503	1.1	26798.5	1110	101432.3	112589878	113	0.2
Q2 2019	94540.7	1300	357836.5	465187514	465	1.0	24050.2	1280	91030.0	116518409	117	0.3
Q3 2019	95517.7	1180	361534.5	426610704	427	0.9	24181.1	1360	91525.5	124474630	124	0.3
Q4 2019	99220.8	1370	375550.9	514504705	515	1.1	22384.8	1390	84726.5	117769791	118	0.3
Q1 2020	102597.0	1230	388329.6	477645370	478	1.1	24107.0	1100	91245.0	100369495	100	0.2
Q2 2020	101850.7	1250	385504.9	481881077	482	1.1	25418.4	1610	96208.6	154895917	155	0.3
Q3 2020	84607.8	1240	320240.6	397098342	397	0.9	23663.7	1130	89567.1	101210828	101	0.2
Q4 2020	91258.6	1050	345413.8	362684491	363	0.8	28934.5	866	109517.1	94841793.4	95	0.2
Q1 2021	93486.7	1150	353847.3	406924364	407	0.9	27898.0	3060	105593.9	323117426	323	0.7
Q2 2021	93252.4	1320	352960.3	465907641	466	1.0	29124.1	998	110234.7	110014249	110	0.2
Q3 2021	89693.5	1140	339489.9	387018483	387	0.9	27945.6	1580	105774.1	167123072	167	0.4
Q4 2021	95091.4	1100	359920.9	395913044	396	0.9	30045.3	826	113721.5	93933926.4	94	0.2
Q1 2022	96291.3	1040	364462.6	379041073	379	0.8	29113.3	1030	110193.8	113499656	113	0.3
Q2 2022	93554.5	1010	354103.8	357644820	358	0.8	29385.9	611	111225.6	67958860.8	68	0.1
Q3 2022	82718.6	1200	313089.9	375707881	376	0.8	28531.3	612	107991.0	66090473.9	66	0.1
Totals	7281379.13					113.1	3116315.4					39.6

Table G-1
Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

	TW4-19						TW4-20					
Quarter	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)
Q1 2007	6768986	2660	25620612.0	68150827947	68151	150.2	642290	16240	2431067.7	3.9481E+10	39481	87.0
Q2 2007	605400	8	2291439.0	18331512	18	0.0	163520	1800	618923.2	1114061760	1114	2.5
Q3 2007	316080	1100	1196362.8	1315999080	1316	2.9	70360	5200	266312.6	1384825520	1385	3.1
Q4 2007	334350	1100	1265514.8	1392066225	1392	3.1	63630	9000	240839.6	2167555950	2168	4.8
Q1 2008	304784	1800	1153607.4	2076493392	2076	4.6	66520	13000	251778.2	3273116600	3273	7.2
Q2 2008	380310	1000	1439473.4	1439473350	1439	3.2	39360	30000	148977.6	4469328000	4469	9.9
Q3 2008	529020	3600	2002340.7	7208426520	7208	15.9	53260	21000	201589.1	4233371100	4233	9.3
Q4 2008	589620	4200	2231711.7	9373189140	9373	20.7	50230	1000	190120.6	190120550	190	0.4
Q1 2009	469100	1100	1775543.5	1953097850	1953	4.3	52050	8200	197009.3	1615475850	1615	3.6
Q2 2009	450040	990	1703401.4	1686367386	1686	3.7	49270	6800	186487.0	1268111260	1268	2.8
Q3 2009	200650	6600	759460.3	5012437650	5012	11.1	51030	13000	193148.6	2510931150	2511	5.5
Q4 2009	454205	4700	1719165.9	8080079848	8080	17.8	208790	15000	790270.2	1.1854E+10	11854	26.1
Q1 2010	348550	940	1319261.8	1240106045	1240	2.7	14490	3500	54844.7	191956275	192	0.4
Q2 2010	453340	1800	1715891.9	3088605420	3089	6.8	39014.86	18000	147671.2	2658082412	2658	5.9
Q3 2010	116899.2	2000	442463.5	884926944	885	2.0	39098.3	15000	147987.1	2219805983	2220	4.9
Q4 2010	767970.5	1200	2906768.3	3488122011	3488	7.7	36752.5	24000	139108.2	3338597100	3339	7.4
Q1 2011	454607.9	3400	1720690.9	5850349065	5850	12.9	37187.5	31000	140754.7	4363395313	4363	9.6
Q2 2011	159238.9	4000	602719.2	2410876946	2411	5.3	67907.7	8100	257030.6	2081948220	2082	4.6
Q3 2011	141542.6	970	535738.7	519666578.8	520	1.1	72311.2	6800	273697.9	1861145666	1861	4.1
Q4 2011	147647.2	2200	558844.7	1229458234	1229	2.7	72089.3	7900	272858.0	2155578204	2156	4.8
Q1 2012	148747	650	563007.4	365954806.8	366	0.8	76306	11000	288818.2	3177000310	3177	7.0
Q2 2012	172082.03	460	651330.5	299612022.4	300	0.7	22956.43	36000	86890.1	3128043152	3128	6.9
Q3 2012	171345	950	648540.8	616113783.8	616	1.4	22025	13000	83364.6	1083740125	1084	2.4
Q4 2012	156653	1500	592931.6	889397407.5	889	2.0	20114	19000	76131.5	1446498310	1446	3.2
Q1 2013	210908	4210	798286.8	3360787344	3361	7.4	18177	18500	68799.9	1272798983	1273	2.8
Q2 2013	226224	2070	856257.8	1772453729	1772	3.9	20252.4	26300	76655.3	2016035284	2016	4.4
Q3 2013	329460.1	8100	1247006.5	10100752476	10101	22.3	19731	26800	74681.8	2001473178	2001	4.4
Q4 2013	403974	942	1529041.6	1440357178	1440	3.2	19280.2	15700	72975.6	1145716245	1146	2.5
Q1 2014	304851	586	1153861.0	676162566.5	676	1.5	18781.6	17800	71088.4	1265372737	1265	2.8
Q2 2014	297660.0	810	1126643.1	912580911	913	2.0	18462.4	22100	69880.2	1544352066	1544	3.4
Q3 2014	309742.0	1410	1172373.5	1653046593	1653	3.6	17237.9	12400	65245.5	809043599	809	1.8
Q4 2014	198331.0	4310	750682.8	3235443019	3235	7.1	16341.8	23300	61853.7	1441191513	1441	3.2
Q1 2015	60553.0	4660	229193.1	1068039869	1068	2.4	15744.7	19900	59593.7	1185914421	1186	2.6
Q2 2015	75102.8	1570	284264.1	446294633.9	446	1.0	18754.1	17600	70984.3	1249323126	1249	2.8
Q3 2015	116503.9	7860	440967.3	3466002675	3466	7.6	17657.3	17000	66832.9	1136158969	1136	2.5
Q4 2015	112762.7	7840	426806.8	3346165465	3346	7.4	15547.4	17000	58846.9	1000397453	1000	2.2
Q1 2016	116597.0	7780	441319.6	3433466838	3433	7.6	14353.5	21600	54328.0	1173484746	1173	2.6
Q2 2016	123768.0	12600	468461.9	5902619688	5903	13.0	15818.3	33700	59872.3	2017695347	2018	4.4
Q3 2016	103609.0	6040	392160.1	2368646793	2369	5.2	12186.6	23600	46126.3	1088580232	1089	2.4
Q4 2016	104919.4	6640	397119.9	2636876329	2637	5.8	12879.6	21300	48749.3	1038359792	1038	2.3
Q1 2017	110416.7	1240	417927.2	518229739.8	518	1.1	13552.8	23400	51297.3	1200357943	1200	2.6
Q2 2017	109943.0	510	416134.3	212228470.1	212	0.5	12475.3	18100	47219.0	854664090	855	1.9
Q3 2017	112626.4	8840	426290.9	3768411768	3768	8.3	14556.8	27600	55097.5	1520690669	1521	3.4
Q4 2017	108891.2	129	412153.2	53167761.77	53	0.1	14271.0	11600	54015.7	626582526	627	1.4

Table G-1

Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

	TW4-19						TW4-20					
Quarter	**Total Pumped (gal)**	**Conc**	**Total Pumped (liters)**	**Total (ug)**	**Total (grams)**	**Total (pounds)**	**Total Pumped (gal)**	**Conc**	**Total Pumped (liters)**	**Total (ug)**	**Total (grams)**	**Total (pounds)**
Q1 2018	109856.3	2640	415806.1	1097728092	1098	2.4	14258.4	15400	53968.0	831107878	831	1.8
Q2 2018	111271.4	2980	421162.2	1255063502	1255	2.8	13367.6	12000	50596.4	607156392	607	1.3
Q3 2018	105821.8	1910	400535.5	765022829.8	765	1.7	12443.6	10500	47099.0	494539773	495	1.1
Q4 2018	107197.4	5270	405742.2	2138261178	2138	4.7	12841.1	9500	48603.5	461733494	462	1.0
Q1 2019	116132.8	2050	439562.6	901103428.4	901	2.0	14623.9	15600	55351.5	863482799	863	1.9
Q2 2019	100704.0	11500	381164.6	4383393360	4383	9.7	13439.1	13700	50867.0	696877811	697	1.5
Q3 2019	101026.8	6670	382386.4	2550517541	2551	5.6	13787.0	10500	52183.8	547929848	548	1.2
Q4 2019	98806.8	551	373983.7	206065039.6	206	0.5	8317.69	8790	31482.5	276730794	277	0.6
Q1 2020	96857.9	8720	366607.2	3196814361	3197	7.0	9505.05	14300	35976.6	514465584	514	1.1
Q2 2020	136619.7	7600	517105.6	3930002290	3930	8.7	100713.8	5800	381201.6	2210969393	2211	4.9
Q3 2020	154514.4	1350	584837.0	789529955.4	790	1.7	12476.2	Well collapsed and not sampled				
Q4 2020	144512.0	660	546977.9	361005427.2	361	0.8	Well plugged and abandoned					
Q1 2021	133462.3	6660	505154.8	3364331005	3364	7.4	Well plugged and abandoned					
Q2 2021	151242.8	775	572454.0	443651848.5	444	1.0	Well plugged and abandoned					
Q3 2021	157632.4	4450	596638.6	2655041921	2655	5.9	Well plugged and abandoned					
Q4 2021	124359.9	6950	470702.2	3271380439	3271	7.2	Well plugged and abandoned					
Q1 2022	112209.2	654	424711.8	277761531.6	278	0.6	Well plugged and abandoned					
Q2 2022	123246.5	2540	466488.0	1184879526	1185	2.6	Well plugged and abandoned					
Q3 2022	137486.6	4750	520386.7	2471836850	2472	5.4	Well plugged and abandoned					
Totals	20500972.51					472.2	2582397.89					296.2

Table G-1
Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

	TW4-4						TW4-22					
Quarter	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)
Q1 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2010	84513.9	2000	319885.1	639770223	640	1.4	NA	NA	NA	NA	NA	NA
Q3 2010	76916.8	2100	291130.1	611373184.8	611	1.3	NA	NA	NA	NA	NA	NA
Q4 2010	86872.1	1700	328810.9	558978527.5	559	1.2	NA	NA	NA	NA	NA	NA
Q1 2011	73360.0	1800	277667.6	499801680	500	1.1	NA	NA	NA	NA	NA	NA
Q2 2011	80334.6	1700	304066.5	516912983.7	517	1.1	NA	NA	NA	NA	NA	NA
Q3 2011	97535.0	1500	369170.0	553754962.5	554	1.2	NA	NA	NA	NA	NA	NA
Q4 2011	109043.5	1500	412729.6	619094471.3	619	1.4	NA	NA	NA	NA	NA	NA
Q1 2012	101616.8	1200	384619.6	461543505.6	462	1.0	NA	NA	NA	NA	NA	NA
Q2 2012	87759.1	1500	332168.2	498252290.3	498	1.1	NA	NA	NA	NA	NA	NA
Q3 2012	80006.0	1600	302822.7	484516336	485	1.1	NA	NA	NA	NA	NA	NA
Q4 2012	71596	1400	270990.9	379387204	379	0.8	NA	NA	NA	NA	NA	NA
Q1 2013	58716.8	1460	222243.1	324474908.5	324	0.7	16677.4	10600	63124.0	669113965.4	669.1	1.5
Q2 2013	65603.4	1330	248308.9	330250795.8	330	0.7	25523.2	12500	96605.3	1207566400.0	1207.6	2.7
Q3 2013	63515.4	1380	240405.8	331759988.8	332	0.7	25592.9	9640	96869.1	933818379.5	933.8	2.1
Q4 2013	60233.6	1360	227984.2	310058479.4	310	0.7	24952.2	13300	94444.1	1256106224.1	1256.1	2.8
Q1 2014	58992.9	1260	223288.1	281343039.4	281	0.6	24532.0	12100	92853.6	1123528802.0	1123.5	2.5
Q2 2014	60235.3	1220	227990.6	278148544.8	278	0.6	24193.9	12400	91573.9	1135516502.6	1135.5	2.5
Q3 2014	69229.4	1320	262033.3	345883928.3	346	0.8	24610.9	12400	93152.3	1155087980.6	1155.1	2.5
Q4 2014	64422.6	1130	243839.5	275538681.3	276	0.6	23956.9	12400	90676.9	1124393144.6	1124.4	2.5
Q1 2015	36941.3	1350	139822.8	188760807.7	189	0.4	22046.9	12700	83447.5	1059783459.6	1059.8	2.3
Q2 2015	68162.8	1280	257996.2	330235133.4	330	0.7	23191.6	8050	87780.2	706630658.3	706.6	1.6
Q3 2015	64333.0	1220	243500.4	297070494.1	297	0.7	24619.9	7810	93186.3	727785170.9	727.8	1.6
Q4 2015	59235.1	1190	224204.9	266803775.7	267	0.6	23657.6	7530	89544.0	674266440.5	674.3	1.5
Q1 2016	57274.0	1190	216782.1	257970687.1	258	0.6	24517.8	6070	92799.9	563295229.1	563.3	1.2
Q2 2016	61378.0	1780	232315.7	413521999.4	414	0.9	26506.3	8570	100326.3	859796780.9	859.8	1.9
Q3 2016	50104.2	1380	189644.4	261709267.9	262	0.6	22144.1	5840	83815.4	489482044.0	489.5	1.1
Q4 2016	31656.0	1430	119818.0	171339682.8	171	0.4	23646.8	3370	89503.1	301625575.1	301.6	0.7
Q1 2017	23526.8	1290	89048.9	114873130	115	0.3	24066.2	5320	91090.6	484601816.4	484.6	1.1
Q2 2017	23244.9	1290	87981.9	113496711	113	0.3	23685.0	3670	89647.7	329007150.8	329.0	0.7
Q3 2017	23937.3	1290	90602.7	116877457.8	117	0.3	24583.2	5150	93047.4	479194171.8	479.2	1.1
Q4 2017	22900.6	1120	86678.8	97080223.52	97	0.2	23779.6	4770	90005.8	429327599.2	429.3	0.9

Table G-1

Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

	TW4-4						TW4-22					
Quarter	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)
Q1 2018	23103.4	1160	87446.4	101437788	101	0.2	23982.8	4530	90774.9	411210287.9	411.2	0.9
Q2 2018	18137.0	1050	68648.5	72080972.25	72	0.2	23256.6	3010	88026.2	264958955.3	265.0	0.6
Q3 2018	15366.0	1030	58160.3	59905119.3	60	0.1	21248.7	3600	80426.3	289534786.2	289.5	0.6
Q4 2018	15420.2	1140	58365.5	66536620.98	67	0.1	24171.0	2680	91487.2	245185789.8	245.2	0.5
Q1 2019	16655.0	1050	63039.2	66191133.75	66	0.1	26149.9	4310	98977.4	426592471.2	426.6	0.9
Q2 2019	14311.9	1070	54170.5	57962479.41	58	0.1	23073.1	4690	87331.7	409585595.6	409.6	0.9
Q3 2019	14520.0	989	54958.2	54353659.8	54	0.1	24711.7	3460	93533.8	323626894.4	323.6	0.7
Q4 2019	14399.8	1140	54503.2	62133697.02	62	0.1	24052.5	3820	91038.7	347767881.8	347.8	0.8
Q1 2020	14439.2	1100	54652.4	60117609.2	60	0.1	24746.1	3910	93664.0	366226195.0	366.2	0.8
Q2 2020	15347.0	1140	58088.4	66220770.3	66	0.1	25295.3	2530	95742.7	242229057.6	242.2	0.5
Q3 2020	14389.9	1110	54465.8	60457006.37	60	0.1	23050.6	3760	87246.5	328046919.0	328.0	0.7
Q4 2020	15061.5	979	57007.8	55810614.17	56	0.1	22866.1	3640	86548.2	315035406.1	315.0	0.7
Q1 2021	13740.8	1130	52008.9	58770088.64	59	0.1	22605.6	5100	85562.2	436367199.6	436.4	1.0
Q2 2021	13425.7	1240	50816.3	63012180.38	63	0.1	22893.3	4520	86651.1	391663155.1	391.7	0.9
Q3 2021	12021.0	1100	45499.5	50049433.5	50	0.1	22272.5	3510	84301.4	295897957.9	295.9	0.7
Q4 2021	11401.1	950	43153.2	40995505.33	41	0.1	22667.3	3330	85795.7	285699782.6	285.7	0.6
Q1 2022	10434.1	1010	39493.1	39887999.19	40	0.1	22083.6	3320	83586.4	277506934.3	277.5	0.6
Q2 2022	11463.2	1110	43388.2	48160915.32	48	0.1	22489.0	2600	85120.9	221314249.0	221.3	0.5
Q3 2022	7928.5	1040	30009.4	31209747.4	31	0.1	21940.2	3190	83043.7	264909265.8	264.9	0.6
Totals	2244762.5					26.6	920040.3					48.2

Table G-1
Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

	TW4-24						TW4-25					
Quarter	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)
Q1 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2013	144842.6	5.7	548229.2	3124906.7	3.1	0.0	99369.9	0.0	376115.1	0.0	0.0	0.0
Q2 2013	187509.3	17.4	709722.7	12349175.0	12.3	0.0	147310.4	0.0	557569.9	0.0	0.0	0.0
Q3 2013	267703.5	21.8	1013257.7	22089018.9	22.1	0.1	145840.9	0.0	552007.8	0.0	0.0	0.0
Q4 2013	260555.3	32.5	986201.8	32051558.8	32.1	0.1	126576.5	0.0	479092.1	0.0	0.0	0.0
Q1 2014	229063.9	78.5	867006.9	68060038.6	68.1	0.2	129979.2	0.0	491971.3	0.0	0.0	0.0
Q2 2014	216984.1	62.7	821284.8	51494558.1	51.5	0.1	124829.8	0.0	472480.8	0.0	0.0	0.0
Q3 2014	213652.5	76.3	808674.7	61701880.6	61.7	0.1	119663.9	0.0	452927.9	0.0	0.0	0.0
Q4 2014	178468.7	25.8	675504.0	17428004.0	17.4	0.04	107416.1	0.0	406569.9	0.0	0.0	0.0
Q1 2015	92449.3	49.2	349920.6	17216093.5	17.2	0.04	71452.4	0.0	270447.3	0.0	0.0	0.0
Q2 2015	62664.2	4.28	237184.0	1015147.5	1.0	0.002	91985.3	0.0	348164.4	0.0	0.0	0.0
Q3 2015	66313.2	46.9	250995.5	11771687.2	11.8	0.026	124137.1	0.0	469858.9	0.0	0.0	0.0
Q4 2015	107799.1	25.3	408019.6	10322895.7	10.3	0.023	116420.1	0.0	440650.1	0.0	0.0	0.0
Q1 2016	100063.2	22.8	378739.2	8635254.0	8.6	0.019	115483.2	0.0	437103.9	0.0	0.0	0.0
Q2 2016	65233.6	69.6	246909.2	17184878.6	17.2	0.038	125606.0	0.0	475418.7	0.0	0.0	0.0
Q3 2016	51765.8	17.8	195933.6	3487617.2	3.5	0.008	104983.6	0.0	397362.9	0.0	0.0	0.0
Q4 2016	99522.5	20.8	376692.7	7835207.4	7.8	0.017	98681.2	0.0	373508.3	0.0	0.0	0.0
Q1 2017	99117.4	18.3	375159.4	6865416.3	6.9	0.015	161.2	1.15	610.1	701.7	0.0	0.0
Q2 2017	52808.7	17.2	199880.9	3437952.0	3.4	0.008	101617.2	0.0	384621.1	0.0	0.0	0.0
Q3 2017	55574.6	17.8	210349.9	3744227.5	3.7	0.008	124138.4	0.0	469863.8	0.0	0.0	0.0
Q4 2017	106021.4	16.0	401291.0	6420656.0	6.4	0.014	116731.9	0.0	441830.2	0.0	0.0	0.0

Table G-1

Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

	TW4-24						TW4-25					
Quarter	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)
Q1 2018	96900.2	24.9	366767.3	9132504.7	9.1	0.020	116991.7	0.0	442813.6	0.0	0.0	0.0
Q2 2018	53117.9	49.2	201051.3	9891721.6	9.9	0.022	117758.3	0.0	445715.2	0.0	0.0	0.0
Q3 2018	53142.5	35.0	201144.4	7040052.7	7.0	0.016	111657.5	0.0	422623.6	0.0	0.0	0.0
Q4 2018	101606.4	21.0	384580.3	8076185.5	8.1	0.018	114458.2	0.0	433224.3	0.0	0.0	0.0
Q1 2019	97701.0	28.1	369798.3	10391331.8	10.4	0.023	90789.5	0.0	343638.3	0.0	0.0	0.0
Q2 2019	53197.3	28.8	201351.8	5798931.3	5.8	0.013	88302.0	0.0	334223.1	0.0	0.0	0.0
Q3 2019	54445.7	31.1	206077.0	6408993.9	6.4	0.014	87609.5	0.0	331602.0	0.0	0.0	0.0
Q4 2019	102211.02	43.3	386868.7	16751415.2	16.8	0.037	85928.53	0.0	325239.5	0.0	0.0	0.0
Q1 2020	86344.38	61.7	326813.5	20164391.6	20.2	0.044	85049.47	0.0	321912.2	0.0	0.0	0.0
Q2 2020	57634.7	49.4	218147.3	10776478.6	10.8	0.024	90767.9	0.0	343556.6	0.0	0.0	0.0
Q3 2020	53316.1	63.8	201801.4	12874931.8	12.9	0.028	83956.3	0.0	317774.6	0.0	0.0	0.0
Q4 2020	103987.2	72.6	393591.6	28574746.7	28.6	0.063	86254.4	0.0	326472.7	0.0	0.0	0.0
Q1 2021	81891.2	96.2	309958.3	29817985.4	29.8	0.066	80272.2	0.0	303830.4	0.0	0.0	0.0
Q2 2021	54377.9	41.2	205820.4	8479798.5	8.5	0.019	82692.8	0.0	312992.2	0.0	0.0	0.0
Q3 2021	53333.1	103.0	201865.8	20792175.7	20.8	0.046	82802.3	0.0	313406.7	0.0	0.0	0.0
Q4 2021	96534.8	112.0	365384.2	40923032.4	40.9	0.090	89361.5	0.0	338233.3	0.0	0.0	0.0
Q1 2022	73545.0	114.0	278367.8	31733932.1	31.7	0.070	92972.1	0.0	351899.4	0.0	0.0	0.0
Q2 2022	50341.7	124.0	190543.3	23627373.5	23.6	0.052	101724.9	0.0	385028.7	0.0	0.0	0.0
Q3 2022	58456.4	88.9	221257.7	19669806.3	19.7	0.043	98357.6	0.0	372283.7	0.0	0.0	0.0
Totals	4040197.5					1.6	3980091.0					0.0

Table G-1
Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

	TW4-01						TW4-02					
Quarter	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)
Q1 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2015	24569.2	1130	92994.4	105083696.9	105.1	0.23	24156.7	1840	91433.1	168236921.5	168.2	0.37
Q2 2015	23989.9	1260	90801.8	114410232.1	114.4	0.25	22029.9	1650	83383.2	137582233.0	137.6	0.30
Q3 2015	23652.0	1060	89522.8	94894189.2	94.9	0.21	21586.9	1310	81706.4	107035405.6	107.0	0.24
Q4 2015	20764.3	1040	78592.9	81736590.5	81.7	0.18	21769.8	2070	82398.7	170565294.5	170.6	0.38
Q1 2016	19255.6	974	72882.4	70987502.4	71.0	0.16	20944.6	1970	79275.3	156172362.7	156.2	0.34
Q2 2016	19588.2	1140	74141.3	84521124.2	84.5	0.19	20624.0	2070	78061.8	161588008.8	161.6	0.36
Q3 2016	15613.5	1160	59097.1	68552633.1	68.6	0.15	17487.4	1780	66189.8	117817860.0	117.8	0.26
Q4 2016	16756.8	1330	63424.5	84354569.0	84.4	0.19	19740.6	1600	74718.2	119549073.6	119.5	0.26
Q1 2017	16931.8	519	64086.9	33261081.9	33.3	0.07	19869.7	1570	75206.8	118074698.8	118.1	0.26
Q2 2017	18200.2	977	68887.8	67303338.6	67.3	0.15	18716.7	1940	70842.7	137434856.4	137.4	0.30
Q3 2017	17413.6	958	65910.5	63142236.0	63.1	0.14	19338.8	1310	73197.4	95888539.0	95.9	0.21
Q4 2017	14089.8	556	53329.9	29651420.5	29.7	0.07	17327.6	1610	65585.0	105591795.3	105.6	0.23

Table G-1

Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

	TW4-01						TW4-02					
Quarter	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)
Q1 2018	12505.7	70.4	47334.1	3332318.8	3.3	0.01	16232.3	764	61439.3	46939591.2	46.9	0.10
Q2 2018	10814.8	942	40934.0	38559845.0	38.6	0.09	16051.4	949	60754.5	57656067.0	57.7	0.13
Q3 2018	9727.3	1010	36817.8	37186008.8	37.2	0.08	14927.2	980	56499.5	55369463.0	55.4	0.12
Q4 2018	9836.7	752	37231.9	27998395.9	28.0	0.06	15464.1	822	58531.6	48112990.4	48.1	0.11
Q1 2019	10603.6	87.2	40134.6	3499739.4	3.50	0.01	16169.9	1040.0	61203.1	63651194.4	63.65	0.14
Q2 2019	9393.9	1040.0	35555.9	36978148.0	36.98	0.08	13893.7	1360.0	52587.7	71519210.1	71.52	0.16
Q3 2019	9734.1	894	36843.6	32938150.2	32.94	0.07	14106.9	797	53394.6	42555509.4	42.56	0.09
Q4 2019	9184.3	1070	34762.6	37195955.8	37.20	0.08	14220.9	934	53826.1	50273583.5	50.27	0.11
Q1 2020	8796.7	1190	33295.5	39621656.3	39.62	0.09	13162.1	1880	49818.5	93658871.2	93.66	0.21
Q2 2020	9600.2	499	36336.8	18132041.7	18.13	0.04	14155.6	1070	53578.9	57329472.2	57.33	0.13
Q3 2020	9487.3	1060	35909.4	38063996.3	38.06	0.08	14009.5	1260	53026.0	66812706.5	66.81	0.15
Q4 2020	9318.7	924	35271.3	32590662.3	32.59	0.07	14582.9	1130	55196.3	62371792.4	62.37	0.14
Q1 2021	9066.4	948	34316.3	32531875.2	32.53	0.07	13189.6	939	49922.6	46877355.2	46.88	0.10
Q2 2021	8764.1	957	33172.1	31745717.4	31.75	0.07	11975.9	1160	45328.8	52581386.5	52.58	0.12
Q3 2021	8677.2	821	32843.2	26964268.8	26.96	0.06	12694.5	1150	48048.7	55255984.9	55.26	0.12
Q4 2021	8873.4	957	33585.8	32141628.8	32.14	0.07	12351.3	852	46749.7	39830719.3	39.83	0.09
Q1 2022	8251.8	946	31233.1	29546477.6	29.55	0.07	11380.6	1020	43075.6	43937082.4	43.94	0.10
Q2 2022	7616.0	914	28826.6	26347475.8	26.35	0.06	11518.1	892	43596.0	38887639.6	38.89	0.09
Q3 2022	8512.1	954	32218.3	30736256.8	30.74	0.07	10953.7	832	41459.8	34494515.7	34.49	0.08
Totals	409589.2					3.2	504632.9					5.8

Table G-1
Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

	TW4-11						TW4-21					
Quarter	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)
Q1 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2015	9898.7	2450	37466.6	91793119.8	91.8	0.20	NA	NA	NA	NA	NA	NA
Q2 2015	5243.3	2710	19845.9	53782363.3	53.8	0.12	30743.7	366	116364.9	42589555.0	42.6	0.09
Q3 2015	3584.4	1120	13567.0	15194988.5	15.2	0.03	125285.4	281	474205.2	133251672.2	133.3	0.29
Q4 2015	4110.3	2730	15557.5	42471935.4	42.5	0.09	134774.9	339	510123.0	172931695.8	172.9	0.38
Q1 2016	3676.2	2660	13914.4	37012349.2	37.0	0.08	125513.3	390	475067.8	185276457.8	185.3	0.41
Q2 2016	3760.4	3340	14233.1	47538600.8	47.5	0.10	132248.7	545	500561.3	272805924.6	272.8	0.60
Q3 2016	2953.8	3200	11180.1	35776425.6	35.8	0.08	110381.9	456	417795.5	190514744.1	190.5	0.42
Q4 2016	3050.2	3180	11545.0	36713122.3	36.7	0.08	130311.3	434	493228.3	214061069.4	214.1	0.47
Q1 2017	2984.2	3310	11295.2	37387102.1	37.4	0.08	54333.5	598	205652.3	122980073.9	123.0	0.27
Q2 2017	2845.9	3370	10771.7	36300735.2	36.3	0.08	60969.7	224	230770.3	51692550.4	51.7	0.11
Q3 2017	2830.0	3290	10711.6	35240999.5	35.2	0.08	120116.2	537	454639.8	244141581.7	244.1	0.54
Q4 2017	2612.7	2880	9889.1	28480520.2	28.5	0.06	126492.5	466	478774.1	223108736.4	223.1	0.49

Table G-1

Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

	TW4-11						TW4-21					
Quarter	**Total Pumped (gal)**	**Conc**	**Total Pumped (liters)**	**Total (ug)**	**Total (grams)**	**Total (pounds)**	**Total Pumped (gal)**	**Conc**	**Total Pumped (liters)**	**Total (ug)**	**Total (grams)**	**Total (pounds)**
Q1 2018	2571.0	3090	9731.2	30069516.2	30.1	0.07	117832.0	421	445994.1	187763524.5	187.8	0.41
Q2 2018	2513.5	2800	9513.6	26638073.0	26.6	0.06	116681.0	532	441637.6	234951195.2	235.0	0.52
Q3 2018	2170.2	3050	8214.2	25053331.4	25.1	0.06	110001.4	476	416355.3	198185122.3	198.2	0.44
Q4 2018	2379.5	2930	9006.4	26388774.0	26.4	0.06	121686.3	585	460582.8	269440914.0	269.4	0.59
Q1 2019	2342.4	2820	8866.0	25002074.9	25.00	0.06	123264	323	466554.6	150697141.8	150.70	0.3
Q2 2019	2195.1	2970	8308.5	24676106.9	24.68	0.05	106893.6	734	404592.3	296970730.6	297.0	0.7
Q3 2019	2046.0	2790	7744.1	21606066.9	21.61	0.05	108132.9	596	409283.0	243932683.8	243.9	0.5
Q4 2019	1983.9	3250	7509.1	24404449.9	24.40	0.05	116167.55	794	439694.2	349117176.3	349.1	0.8
Q1 2020	1947.4	2990	7370.9	22039017.9	22.04	0.05	106622.01	844	403564.3	340608275.8	340.6	0.8
Q2 2020	2003.9	2810	7584.8	21313179.8	21.31	0.05	110999.13	767	420131.7	322241019.3	322.2	0.7
Q3 2020	1784.1	3070	6752.8	20731152.8	20.73	0.05	99515.11	920	376664.7	346531516.0	346.5	0.8
Q4 2020	1394.6	2670	5278.6	14093757.9	14.09	0.03	107061.16	948	405226.5	384154713.1	384.2	0.8
Q1 2021	2195.1	2750	8308.5	22848455.3	22.85	0.05	97211.49	400	367945.5	147178195.9	147.2	0.3
Q2 2021	1694.5	3320	6413.7	21293425.9	21.29	0.05	97157.60	1130	367741.5	415547913.1	415.5	0.9
Q3 2021	1560.8	2600	5907.6	15359832.8	15.36	0.03	93390.40	669	353482.7	236479902.2	236.5	0.5
Q4 2021	1485.5	2850	5622.6	16024459.9	16.02	0.04	102535.00	649	388095.0	251873638.8	251.9	0.6
Q1 2022	1497.2	2780	5666.9	15753987.6	15.75	0.03	91105.40	469	344833.9	161727117.4	161.7	0.4
Q2 2022	1473.1	2550	5575.7	14217992.9	14.22	0.03	91682.50	657	347018.3	227990998.5	228.0	0.5
Q3 2022	1304.3	3020	4936.9	14909290.6	14.91	0.03	87160.0	1070	329900.7	352993763.5	353.0	0.8
Totals	84092.2					2.0	3156269.8					15.4

Table G-1
Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

	TW4-37						TW4-39					
Quarter	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)
Q1 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q3 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q4 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q1 2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Q2 2015	29206.0	30200	110544.7	3338450242.0	3338.5	7.4	NA	NA	NA	NA	NA	NA
Q3 2015	118063.9	19100	446871.9	8535252554.7	8535.3	18.8	NA	NA	NA	NA	NA	NA
Q4 2015	111737.5	19500	422926.4	8247065531.3	8247.1	18.2	NA	NA	NA	NA	NA	NA
Q1 2016	111591.0	17500	422371.9	7391508862.5	7391.5	16.3	NA	NA	NA	NA	NA	NA
Q2 2016	119241.2	16200	451327.9	7311512660.4	7311.5	16.1	NA	NA	NA	NA	NA	NA
Q3 2016	98377.6	15900	372359	5920511534.4	5920.5	13.1	NA	NA	NA	NA	NA	NA
Q4 2016	101949.1	16400	385877	6328388433.4	6328.4	14.0	3598.3	2800	13620	38134783.4	38.1	0.1
Q1 2017	97071.7	18000	367416	6613494921.0	6613.5	14.6	103117.8	6460	390301	2521343639.6	2521.3	5.56
Q2 2017	93191.3	15800	352729	5573119313.9	5573.1	12.3	41313.0	5560	156370	869415559.8	869.4	1.92
Q3 2017	81749.3	15000	309421	4641316507.5	4641.3	10.2	34546.3	10000	130758	1307577455.0	1307.6	2.9
Q4 2017	87529.6	15500	331300	5135142808.0	5135.1	11.3	68180.2	552	258062	142450255.5	142.5	0.3

Table G-1

Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

	TW4-37						TW4-39					
Quarter	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)
Q1 2018	84769.3	12900	320852	4138988226.5	4139.0	9.1	59262.2	2870	224307	643762315.5	643.8	1.4
Q2 2018	83653.1	14400	316627	4559428562.4	4559.4	10.1	34259.8	7160	129673	928461135.9	928.5	2.0
Q3 2018	77457.8	14100	293178	4133806599.3	4133.8	9.1	33473.4	8180	126697	1036379979.4	1036.4	2.3
Q4 2018	76271.4	15200	288687	4388046184.8	4388.0	9.7	37003.6	6520	140059	913182241.5	913.2	2.0
Q1 2019	77591	13300	293683.4	3905989871.7	3906.0	8.6	49117	885	185907.5	164528107.9	164.5	0.4
Q2 2019	64950.1	16200	245836.1	3982545281.7	3982.5	8.8	34285.7	8640	129771.4	1121224675.7	1121.2	2.5
Q3 2019	67572.0	11900	255760.0	3043544238.0	3043.5	6.7	36976.2	4240	139954.9	593408848.1	593.4	1.3
Q4 2019	66732.4	13100	252582.1	3308825955.4	3308.8	7.3	51808.6	1650	196095.6	323557659.2	323.6	0.7
Q1 2020	65554.2	12000	248122.6	2977471764.0	2977.5	6.6	43169.3	812	163395.8	132677390.0	132.7	0.3
Q2 2020	65163.8	11700	246645.0	2885746301.1	2885.7	6.4	37352.7	5870	141380.0	829900421.0	829.9	1.8
Q3 2020	56659.3	13800	214455.5	2959485216.9	2959.5	6.5	35628.2	5960	134852.7	803722312.5	803.7	1.8
Q4 2020	61323.9	10300	232111.0	2390742903.5	2390.7	5.3	46794.2	648	177116.0	114771198.5	114.8	0.3
Q1 2021	59907.4	9380	226749.5	2126910394.4	2126.9	4.7	38932.4	2970	147359.1	437656628.0	437.7	1.0
Q2 2021	58564.2	13000	221665.5	2881651461.0	2881.7	6.4	32865.2	2490	124394.8	309743007.2	309.7	0.7
Q3 2021	49987.5	10200	189202.7	1929867412.5	1929.9	4.3	31436.6	858	118987.5	102091301.6	102.1	0.2
Q4 2021	46649.1	14800	176566.8	2613189283.8	2613.2	5.8	42730.6	776	161735.3	125506609.1	125.5	0.3
Q1 2022	42923.5	13700	162465.4	2225776630.8	2225.8	4.9	35550.2	724	134557.5	97419635.1	97.4	0.2
Q2 2022	41998.3	46800	158963.6	7439494865.4	7439.5	16.4	31354.2	982	118675.6	116539485.4	116.5	0.3
Q3 2022	39640.3	11600	150038.5	1740447011.8	1740.4	3.8	31305.9	843	118492.8	99889457.0	99.9	0.2
Totals	2237077.2					292.5	994061.5					30.4

Table G-1
Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

	TW4-40						TW4-41							
Quarter	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total (pounds)	Total Volume Pumped (gallons)
Q1 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	286.9	9648896.0
Q2 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.0	904550.0
Q3 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.0	559220.0
Q4 2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.6	550560.0
Q1 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.8	503034.0
Q2 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.8	527290.0
Q3 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.8	724960.0
Q4 2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.7	786870.0
Q1 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.0	664830.0
Q2 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.5	1007400.0
Q3 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.5	399710.0
Q4 2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	49.4	1047335.0
Q1 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4.5	492485.0
Q2 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16.5	721374.1
Q3 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.6	376623.4
Q4 2010	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	17.9	1041817.3
Q1 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	24.9	696533.0
Q2 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.1	449131.1
Q3 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.1	462334.5
Q4 2011	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.8	468706.3
Q1 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.6	448486.3
Q2 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.4	400415.2
Q3 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	6.6	390229.0
Q4 2012	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	7.1	358000.0
Q1 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.7	634286.1
Q2 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	13.5	768953.4
Q3 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	31.1	950505.6
Q4 2013	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.3	990119.8
Q1 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	8.6	859297.5
Q2 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.9	838057.9
Q3 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	10.2	852987.2
Q4 2014	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	14.6	673905.9
Q1 2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	9.9	458271.4
Q2 2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	15.3	539592.9
Q3 2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	33.4	816299.8
Q4 2015	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32.3	847567.8
Q1 2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.6	819302.3
Q2 2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	39.4	832418.9
Q3 2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	24.7	686543.4
Q4 2016	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.6	750667.4
Q1 2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	27.2	667899.1
Q2 2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	19.6	657232.5
Q3 2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.5	754250.1
Q4 2017	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	16.9	841953.7

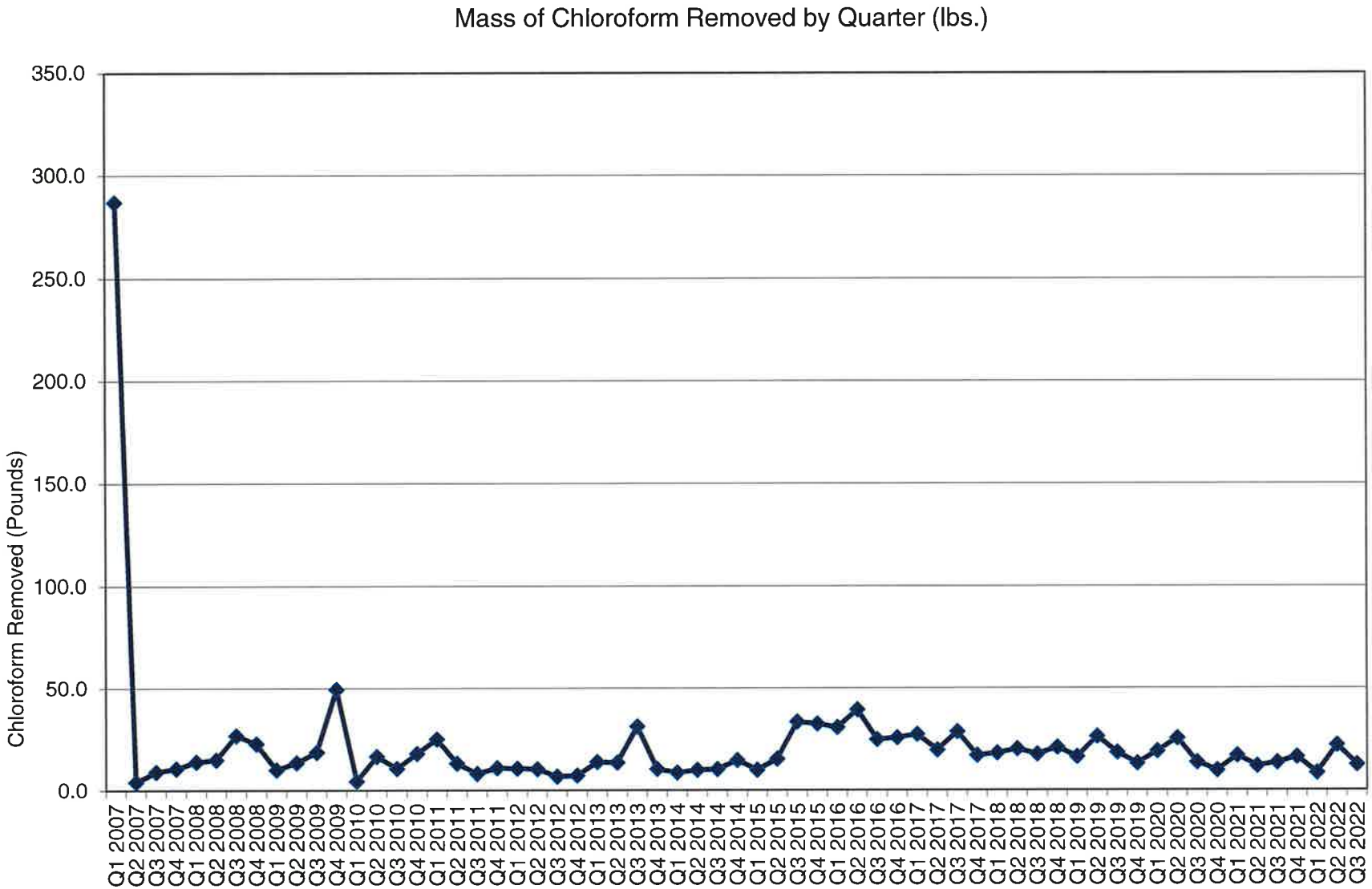
Table G-1

Quarterly Calculation of Chloroform Removed and Total Volume of Water Pumped

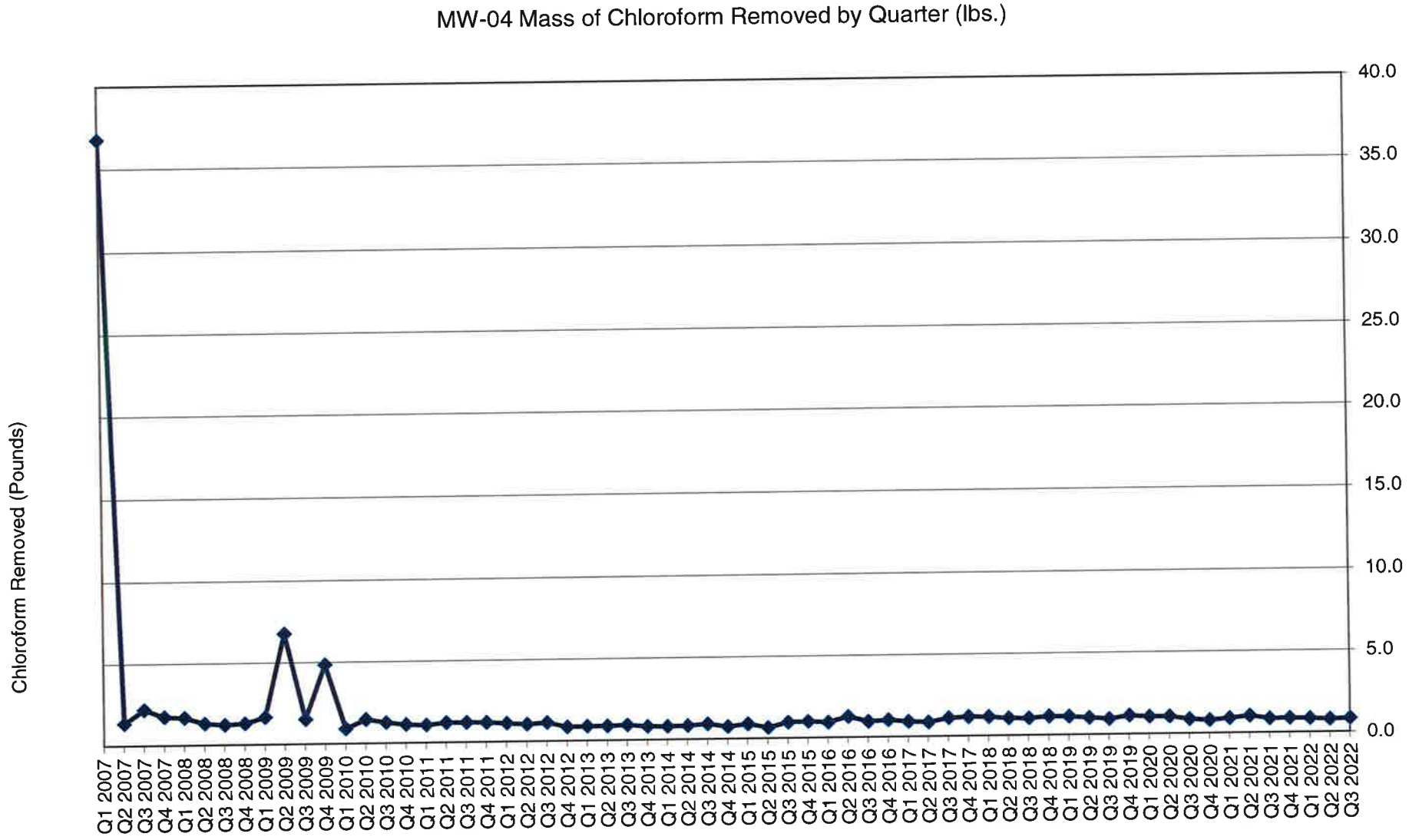
	TW4-40						TW4-41							
Quarter	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total Pumped (gal)	Conc	Total Pumped (liters)	Total (ug)	Total (grams)	Total (pounds)	Total (pounds)	Total Volume Pumped (gallons)
Q1 2018	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	18.0	810330.4
Q2 2018	NA	NA	NA	NA	NA	NA	73711.2	1400	278997	390595648.8	390.6	0.9	20.1	803034.5
Q3 2018	NA	NA	NA	NA	NA	NA	44981.6	1390	170255	236654734.4	236.7	0.5	17.6	733435.6
Q4 2018	NA	NA	NA	NA	NA	NA	35431.6	1320	134108	177023110.1	177.0	0.4	20.8	800443.6
Q1 2019	NA	NA	NA	NA	NA	NA	31904	1220	120755.1	147321253.7	147.3	0.3	16.2	811589.4
Q2 2019	81762.7	263	309471.8	81391088.5	81.4	0.18	25146.5	1320	95179.5	125636943.3	125.6	0.3	26.2	750139.6
Q3 2019	116414.2	380	440627.7	167438543.9	167.4	0.37	24045.6	1190	91012.6	108304989.2	108.3	0.2	18.3	794827.4
Q4 2019	108281.89	314	409847.0	128691943.4	128.7	0.28	21186.4	1410	80190.5	113068638.8	113.1	0.2	13.0	844887.9
Q1 2020	102021.51	364	386151.4	140559115.2	140.6	0.31	17289.9	1200	65442.3	78530725.8	78.5	0.2	18.9	802209.2
Q2 2020	100757.13	367	381365.7	139961225.5	140.0	0.31	17294.9	1220	65461.1	79862567.4	79.9	0.2	25.2	910974.8
Q3 2020	86264.50	333	326511.1	108728207.1	108.7	0.24	13411.4	1110	50762.3	56346111.4	56.3	0.1	13.4	766734.5
Q4 2020	77535.9	264	293473.5	77477002.7	77.5	0.17	17765.7	1020	67243.3	68588115.2	68.6	0.2	9.6	828651.4
Q1 2021	72543.4	436	274576.7	119715421.8	119.7	0.26	13407.5	1170	50747.3	59374310.5	59.4	0.1	16.8	759810.1
Q2 2021	66866.4	343	253089.3	86809638.1	86.8	0.19	13168.7	1130	49843.5	56323188.3	56.3	0.1	11.8	738065.6
Q3 2021	58841.0	301	222713.2	67036668.7	67.0	0.15	13821.0	1100	52312.5	57543733.5	57.5	0.1	13.4	716109.4
Q4 2021	57357.9	286	217099.7	62090500.3	62.1	0.14	12449.1	1030	47119.8	48533438.8	48.5	0.1	16.1	753893.2
Q1 2022	53009.2	238	200639.8	47752277.6	47.8	0.11	12247.8	1030	46357.9	47748660.7	47.7	0.1	8.4	692614.3
Q2 2022	52135.2	323	197331.7	63738149.4	63.7	0.14	11013.9	1010	41687.6	42104487.6	42.1	0.1	21.8	680997.0
Q3 2022	45416.2	302	171900.4	51913918.6	51.9	0.11	11108.0	1060	42043.9	44566527.2	44.6	0.1	12.3	670819.9
Totals	1079207.2					3.0	409384.3					4.3	1353.9	52461263.5

Table G-3 Well Pumping Rates and Volumes

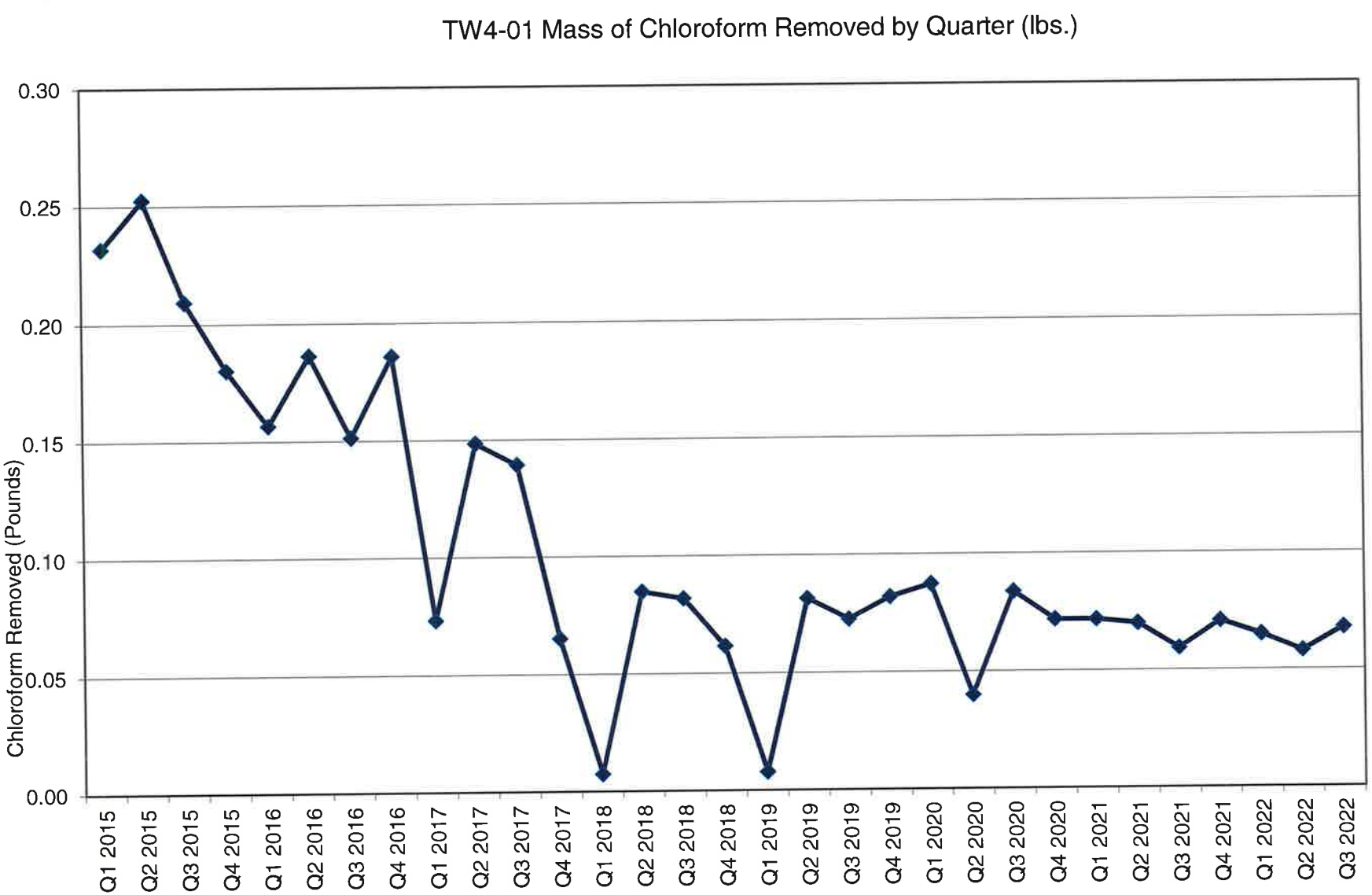
Pumping Well Name	Volume of Water Pumped During the Quarter (gals)	Average Pump Rate (gpm)
MW-4	82718.6	4.0
MW-26	28531.3	16.1
TW4-19	137486.6	16.5
TW4-4	7928.5	16.1
TWN-2	15082.1	16.0
TW4-22	21940.2	16.3
TW4-24	58456.4	16.2
TW4-25	98357.6	18.9
TW4-01	8512.1	13.2
TW4-02	10953.7	16.0
TW4-11	1304.3	15.1
TW4-21	87160.0	16.0
TW4-37	39640.3	18.0
TW4-39	31305.9	18.0
TW4-40	45416.2	18.0
TW4-41	11108.0	6.0

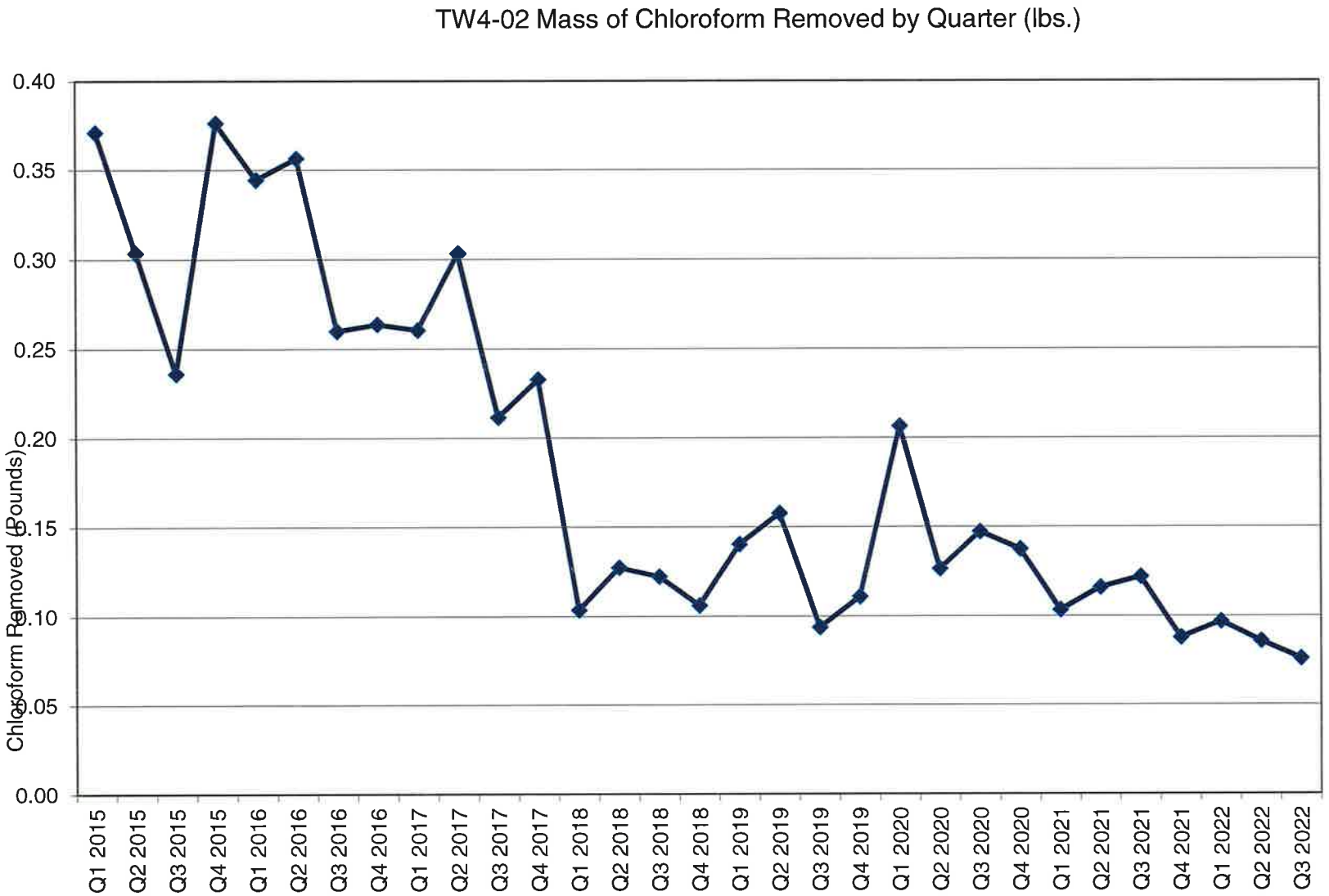


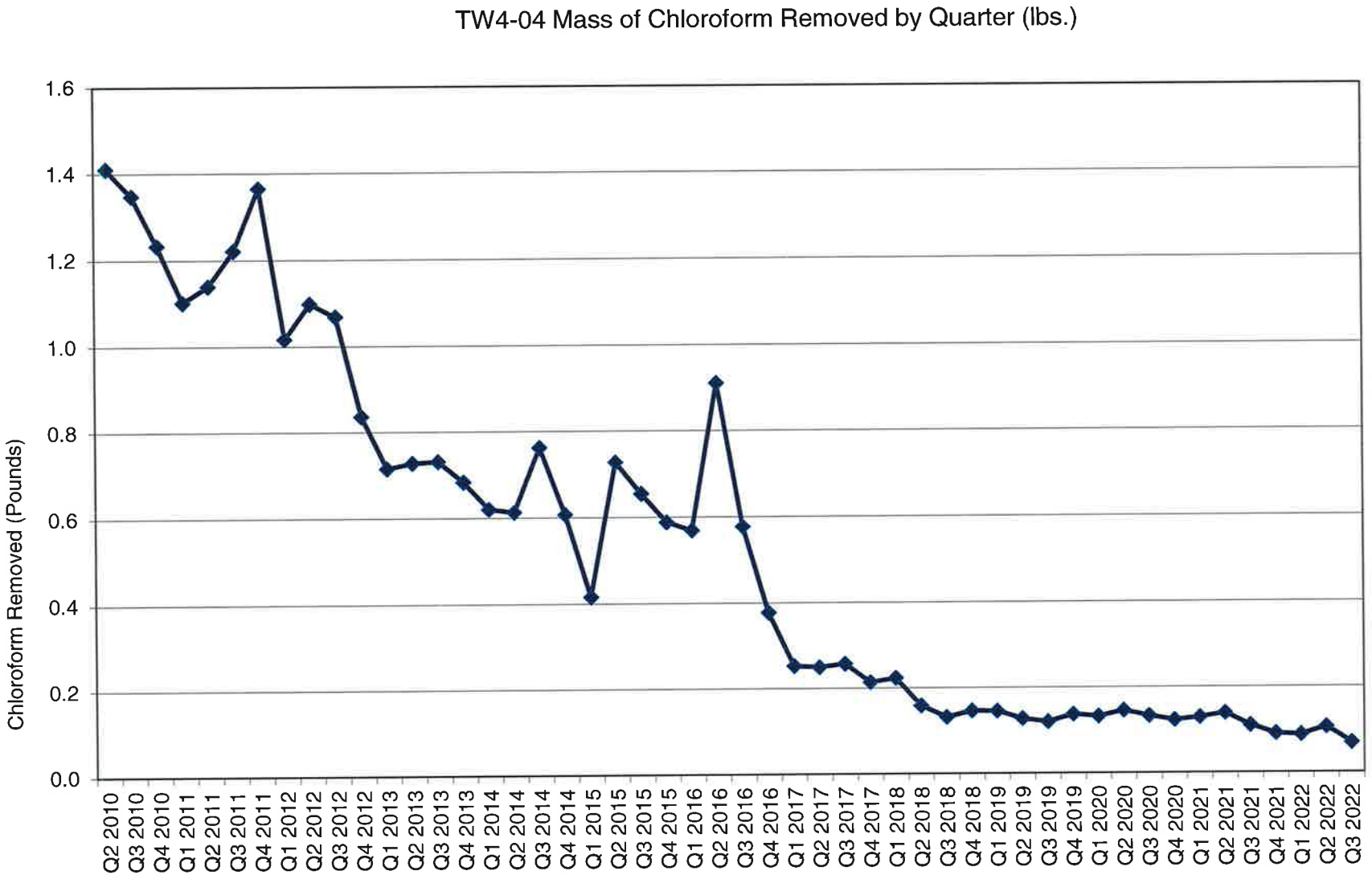
Q1 2007 represents the cumulative total prior to and incuding Q1 2007.

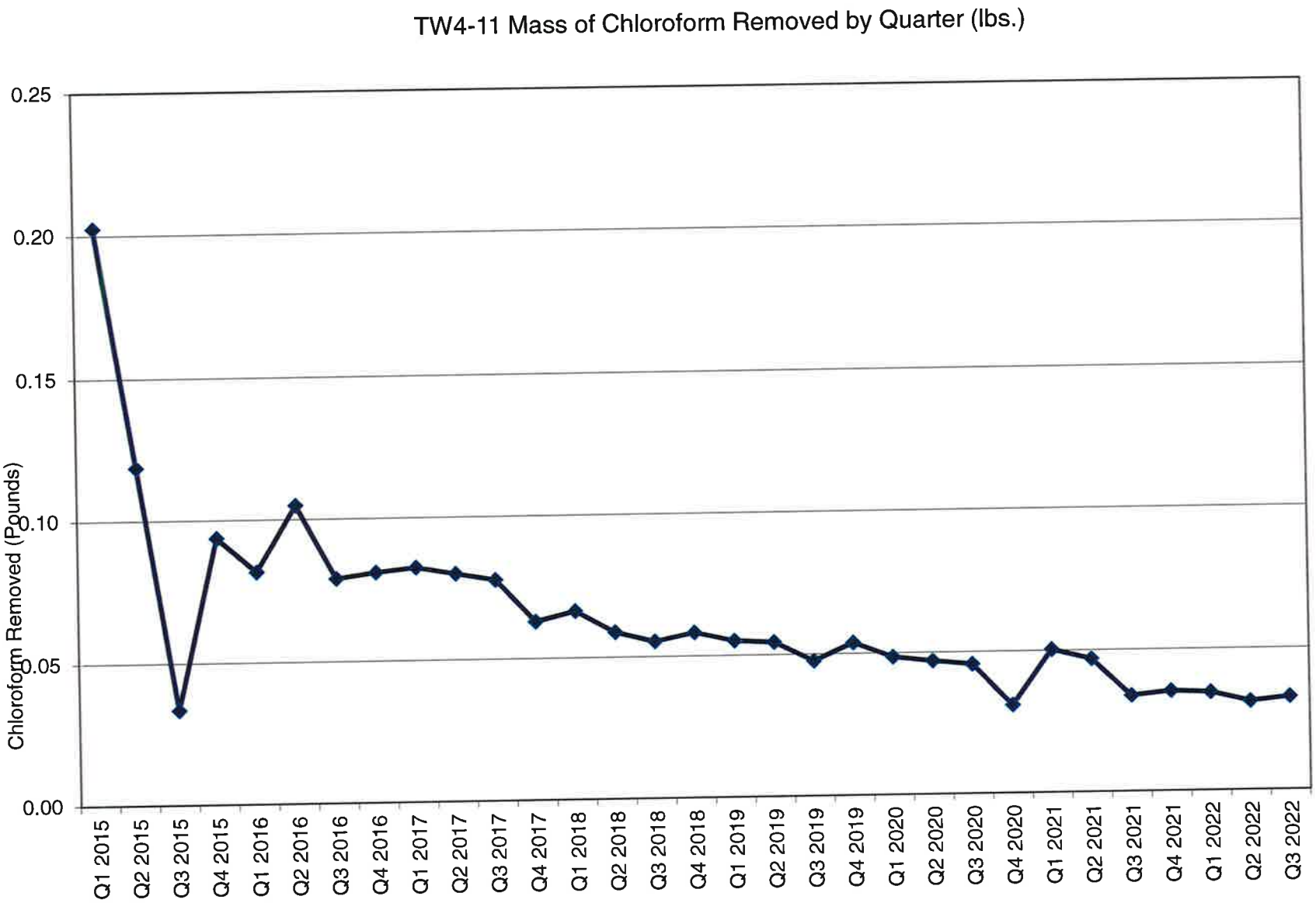


Q1 2007 represents the cumulative total prior to and including Q1 2007.


TW4-01 Mass of Chloroform Removed by Quarter (lbs.)
Chloroform Removed (Pounds)
0.30
0.25
0.20
0.15
0.10
0.05
0.00
Q1 2015
Q2 2015
Q3 2015
Q4 2015
Q1 2016
Q2 2016
Q3 2016
Q4 2016
Q1 2017
Q2 2017
Q3 2017
Q4 2017
Q1 2018
Q2 2018
Q3 2018
Q4 2018
Q1 2019
Q2 2019
Q3 2019
Q4 2019
Q1 2020
Q2 2020
Q3 2020
Q4 2020
Q1 2021
Q2 2021
Q3 2021
Q4 2021
Q1 2022
Q2 2022
Q3 2022


TW4-02 Mass of Chloroform Removed by Quarter (lbs.)
Chloroform Removed (Pounds)
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
Q1 2015
Q2 2015
Q3 2015
Q4 2015
Q1 2016
Q2 2016
Q3 2016
Q4 2016
Q1 2017
Q2 2017
Q3 2017
Q4 2017
Q1 2018
Q2 2018
Q3 2018
Q4 2018
Q1 2019
Q2 2019
Q3 2019
Q4 2019
Q1 2020
Q2 2020
Q3 2020
Q4 2020
Q1 2021
Q2 2021
Q3 2021
Q4 2021
Q1 2022
Q2 2022
Q3 2022


TW4-04 Mass of Chloroform Removed by Quarter (lbs.)
Chloroform Removed (Pounds)
1.6
1.4
1.2
1.0
0.8
0.6
0.4
0.2
0.0
Q2 2010
Q3 2010
Q4 2010
Q1 2011
Q2 2011
Q3 2011
Q4 2011
Q1 2012
Q2 2012
Q3 2012
Q4 2012
Q1 2013
Q2 2013
Q3 2013
Q4 2013
Q1 2014
Q2 2014
Q3 2014
Q4 2014
Q1 2015
Q2 2015
Q3 2015
Q4 2015
Q1 2016
Q2 2016
Q3 2016
Q4 2016
Q1 2017
Q2 2017
Q3 2017
Q4 2017
Q1 2018
Q2 2018
Q3 2018
Q4 2018
Q1 2019
Q2 2019
Q3 2019
Q4 2019
Q1 2020
Q2 2020
Q3 2020
Q4 2020
Q1 2021
Q2 2021
Q3 2021
Q4 2021
Q1 2022
Q2 2022
Q3 2022


TW4-11 Mass of Chloroform Removed by Quarter (lbs.)
Chloroform Removed (Pounds)
0.25
0.20
0.15
0.10
0.05
0.00
Q1 2015
Q2 2015
Q3 2015
Q4 2015
Q1 2016
Q2 2016
Q3 2016
Q4 2016
Q1 2017
Q2 2017
Q3 2017
Q4 2017
Q1 2018
Q2 2018
Q3 2018
Q4 2018
Q1 2019
Q2 2019
Q3 2019
Q4 2019
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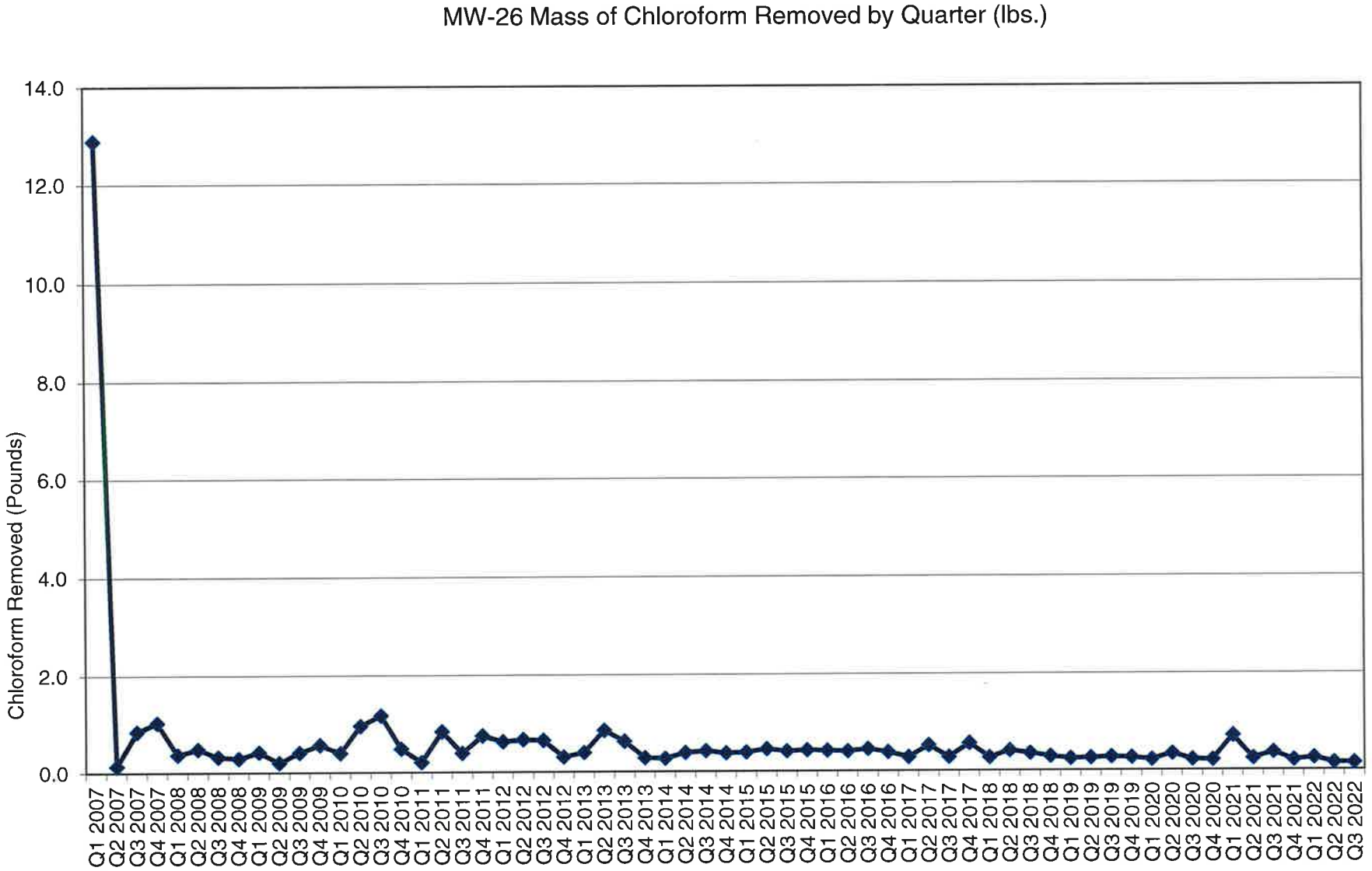
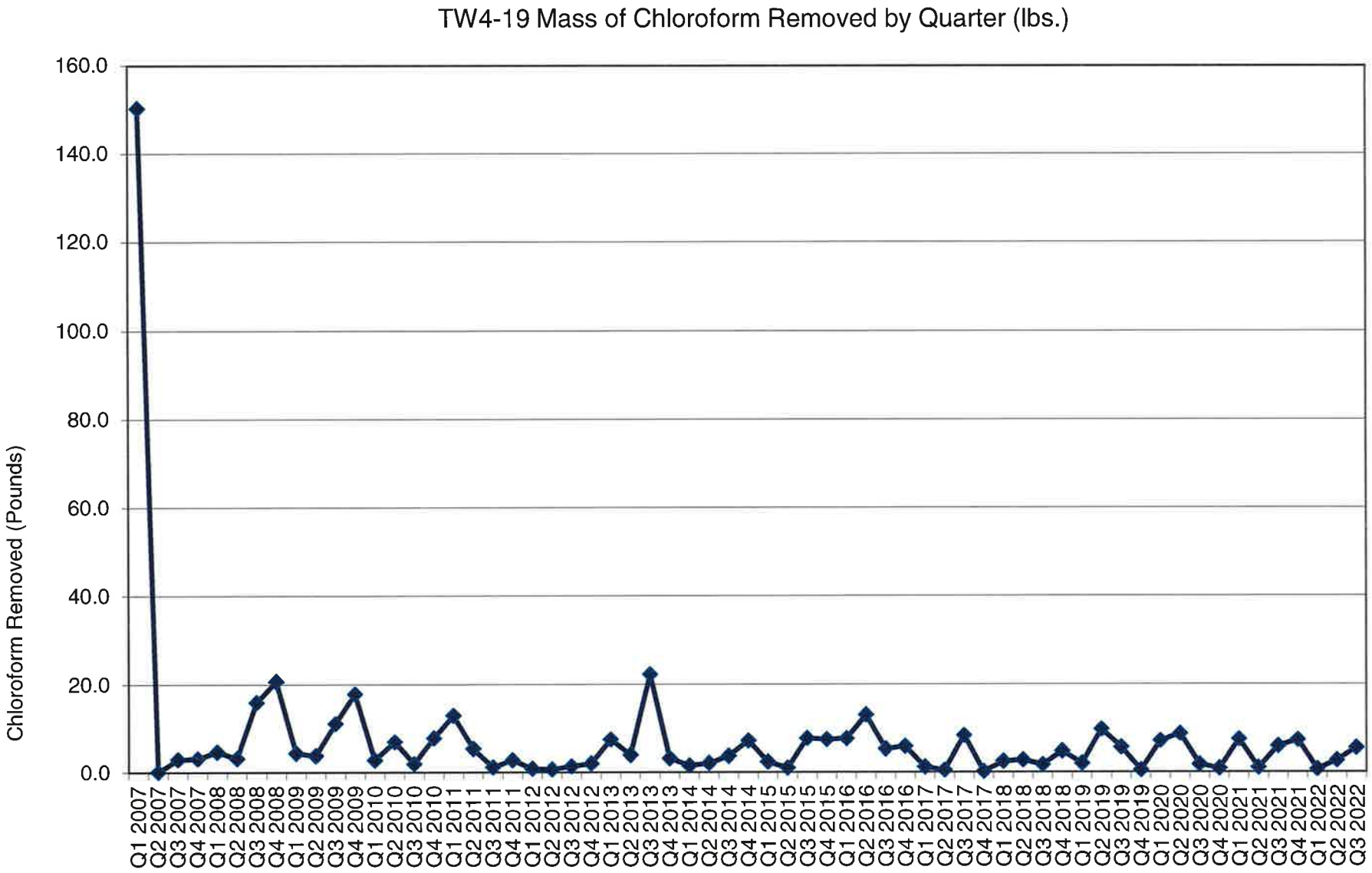
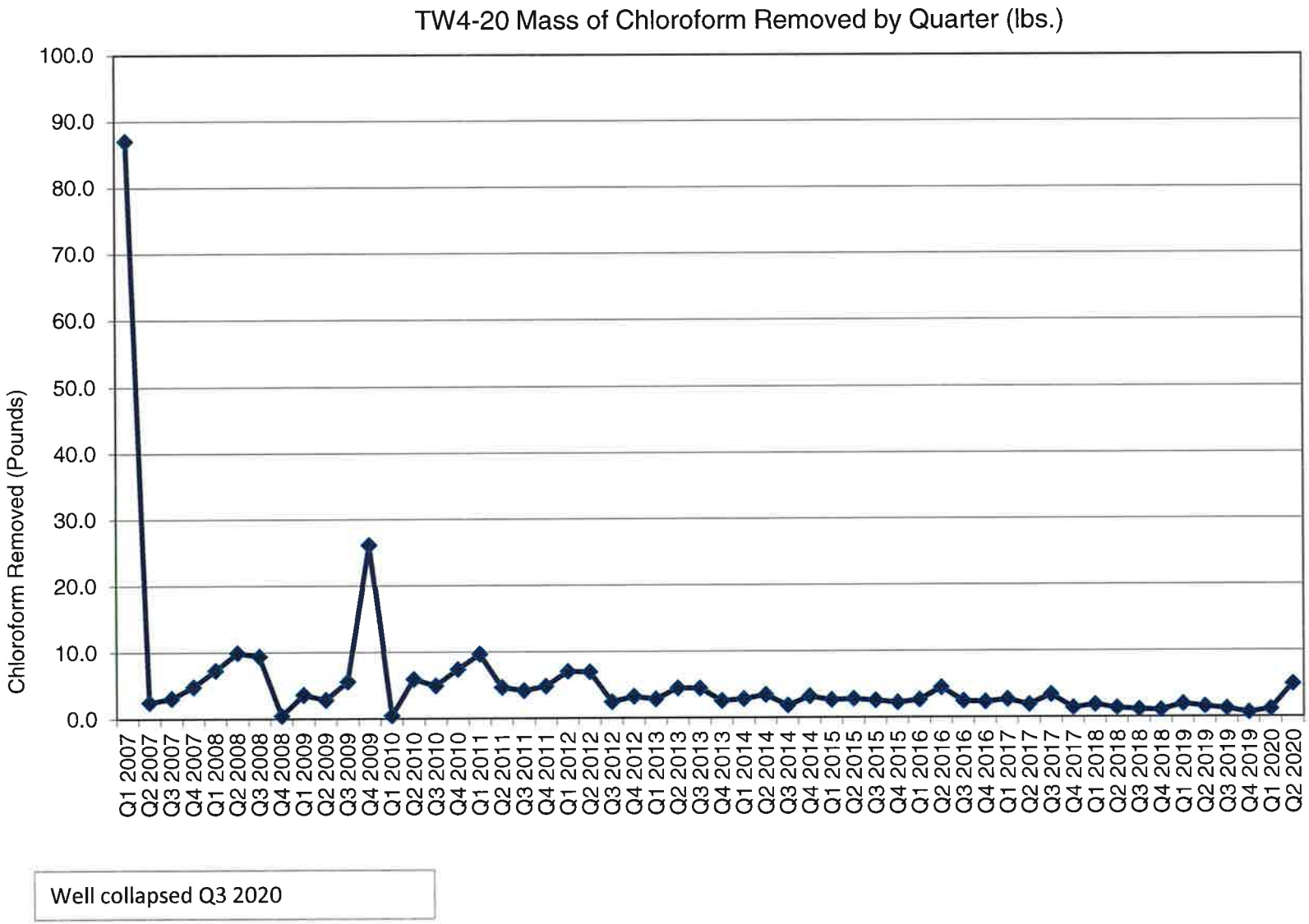
Q1 2022
Q2 2022
Q3 2022



Q1 2007 represents the cumulative total prior to and including Q1 2007.

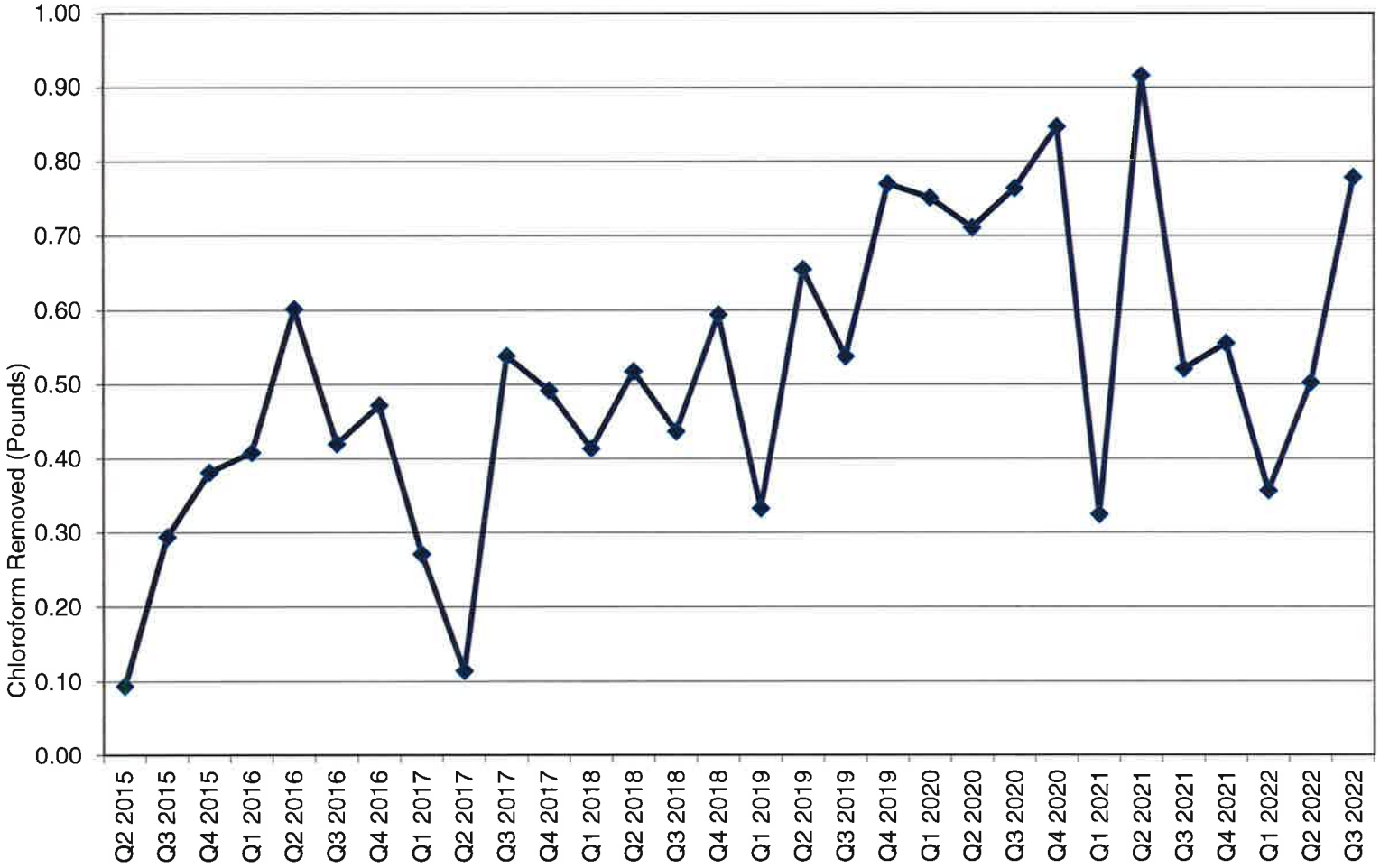


Q1 2007 represents the cumulative total prior to and including Q1 2007.

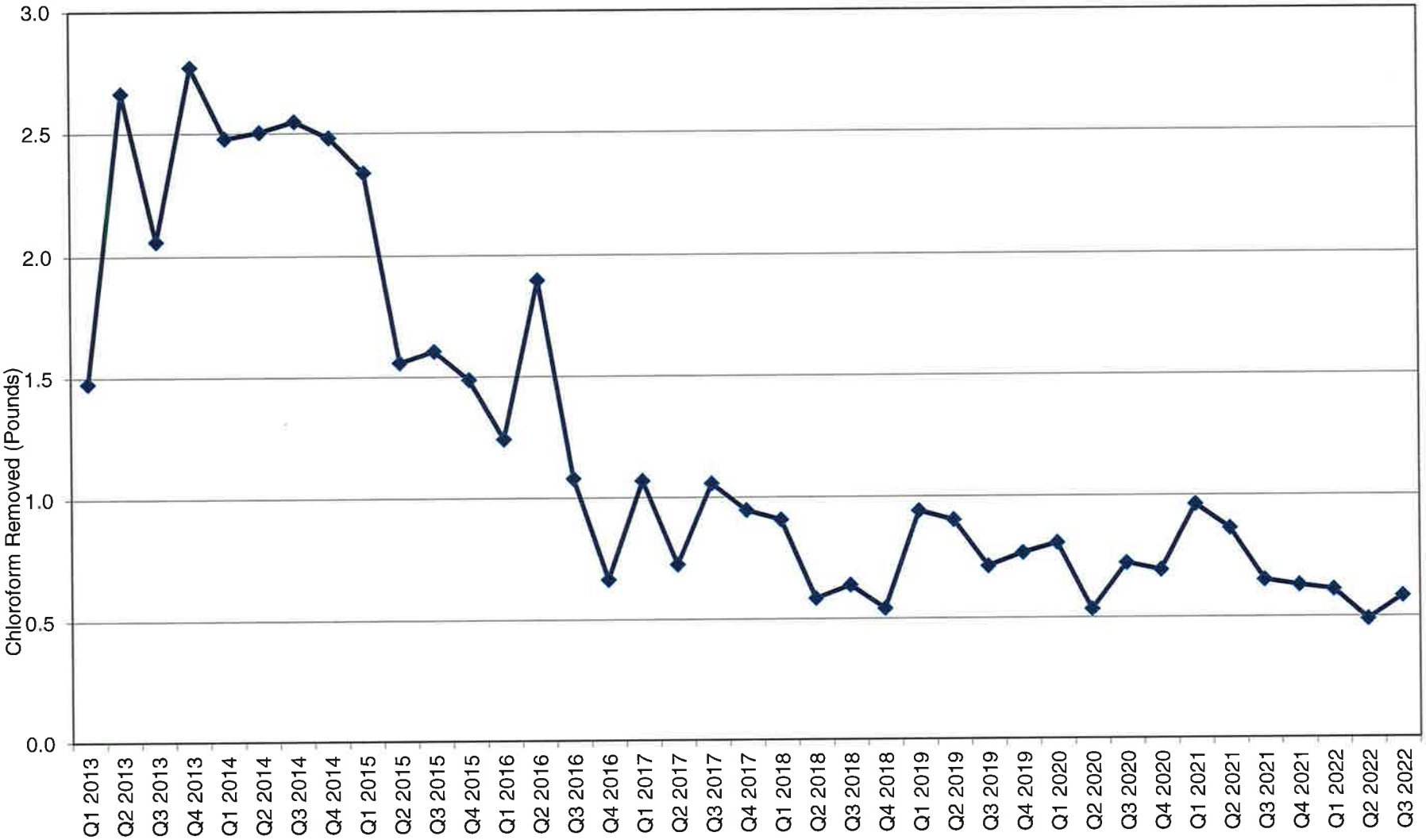


Well collapsed Q3 2020

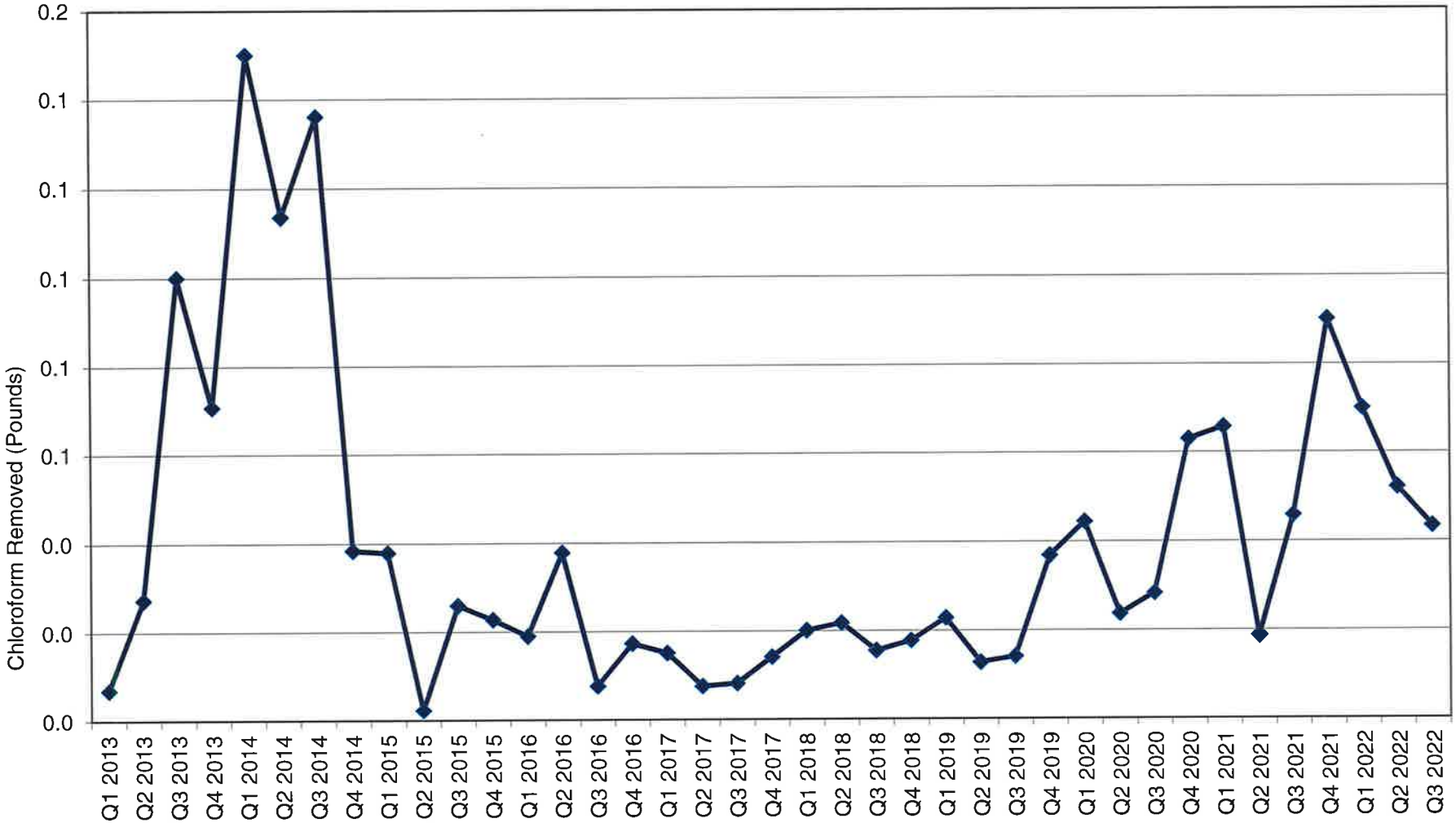
TW4-21 Mass of Chloroform Removed by Quarter (lbs.)

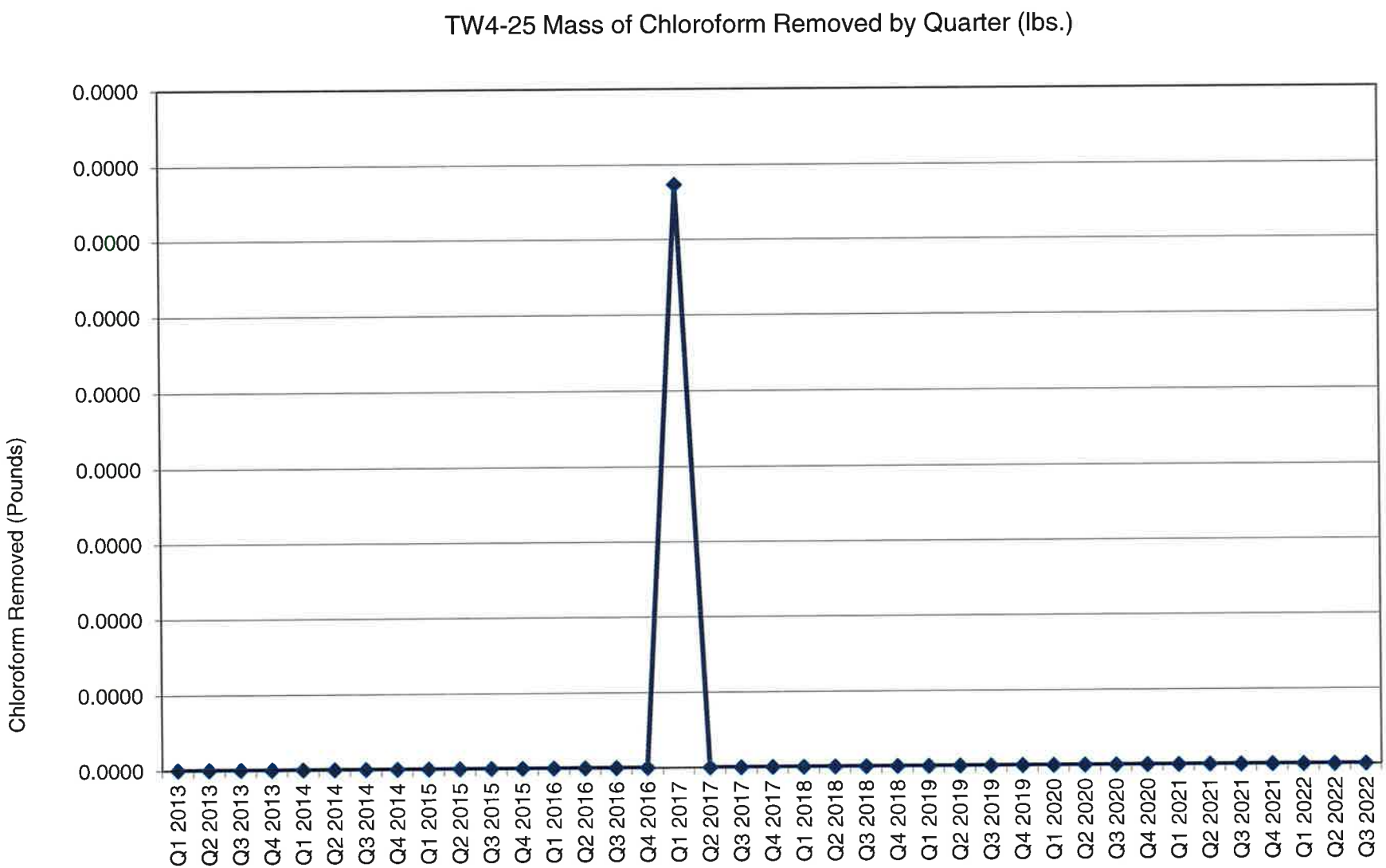


TW4-22 Mass of Chloroform Removed by Quarter (lbs.)

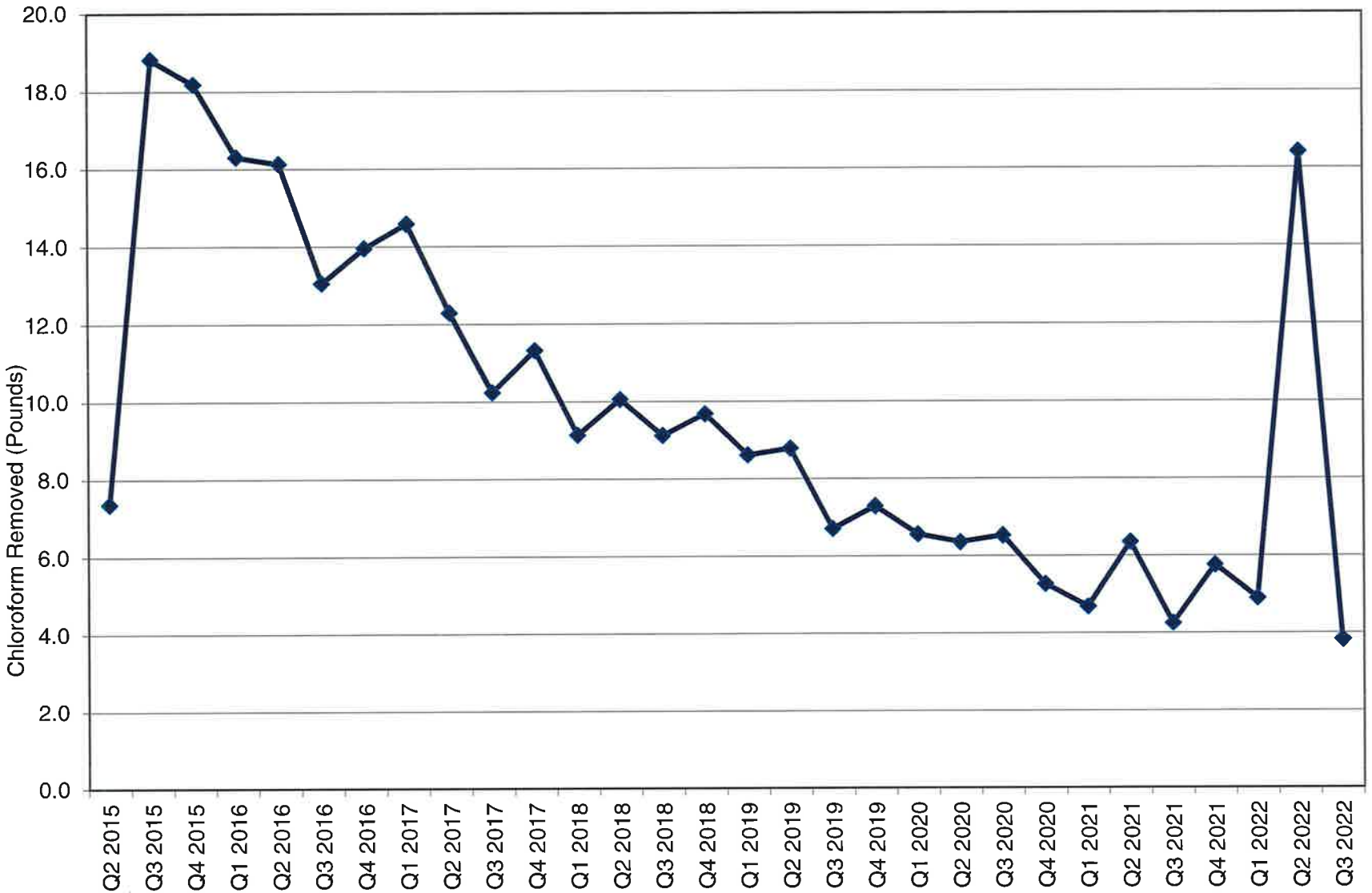


TW4-24 Mass of Chloroform Removed by Quarter (lbs.)

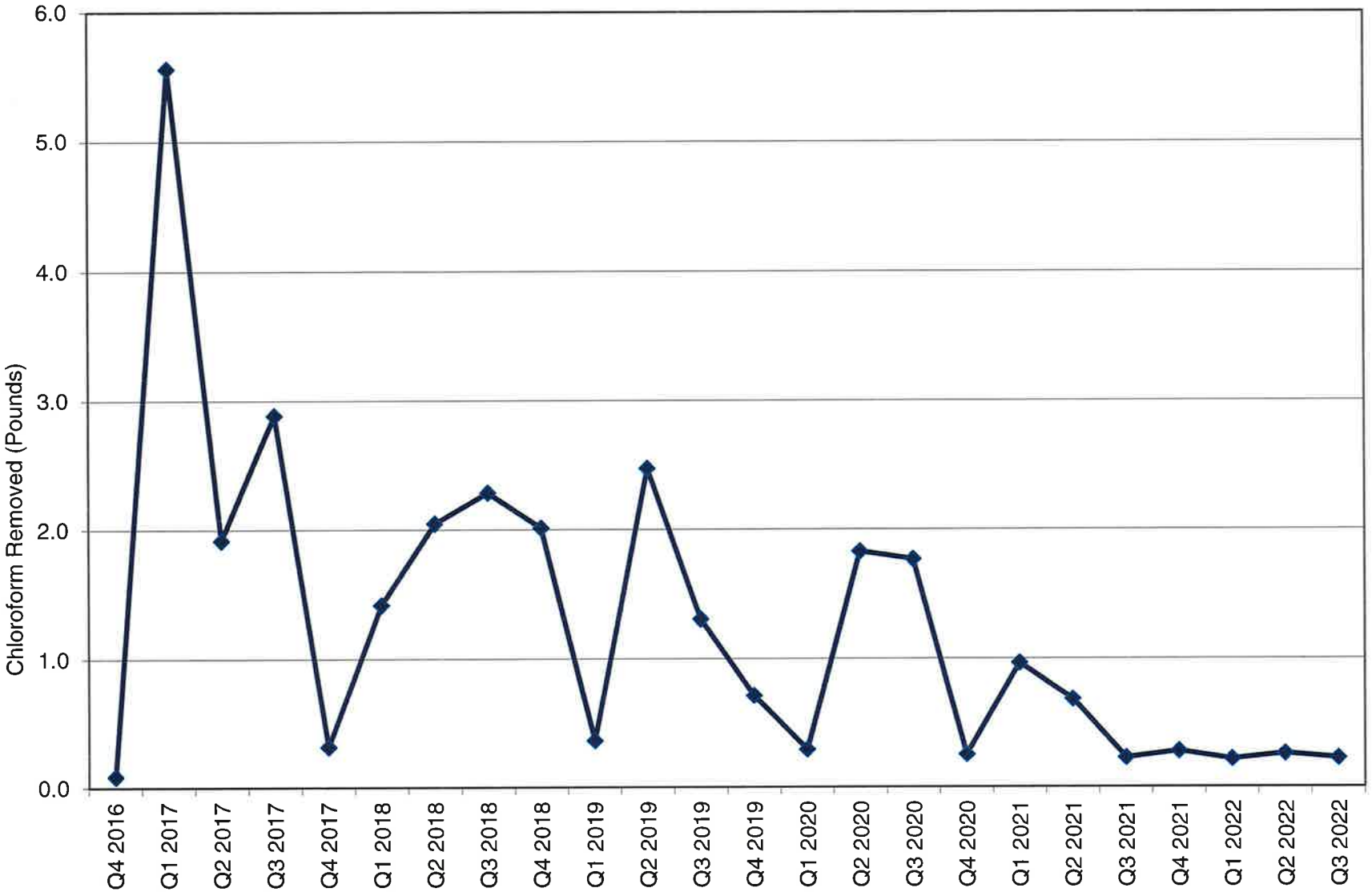


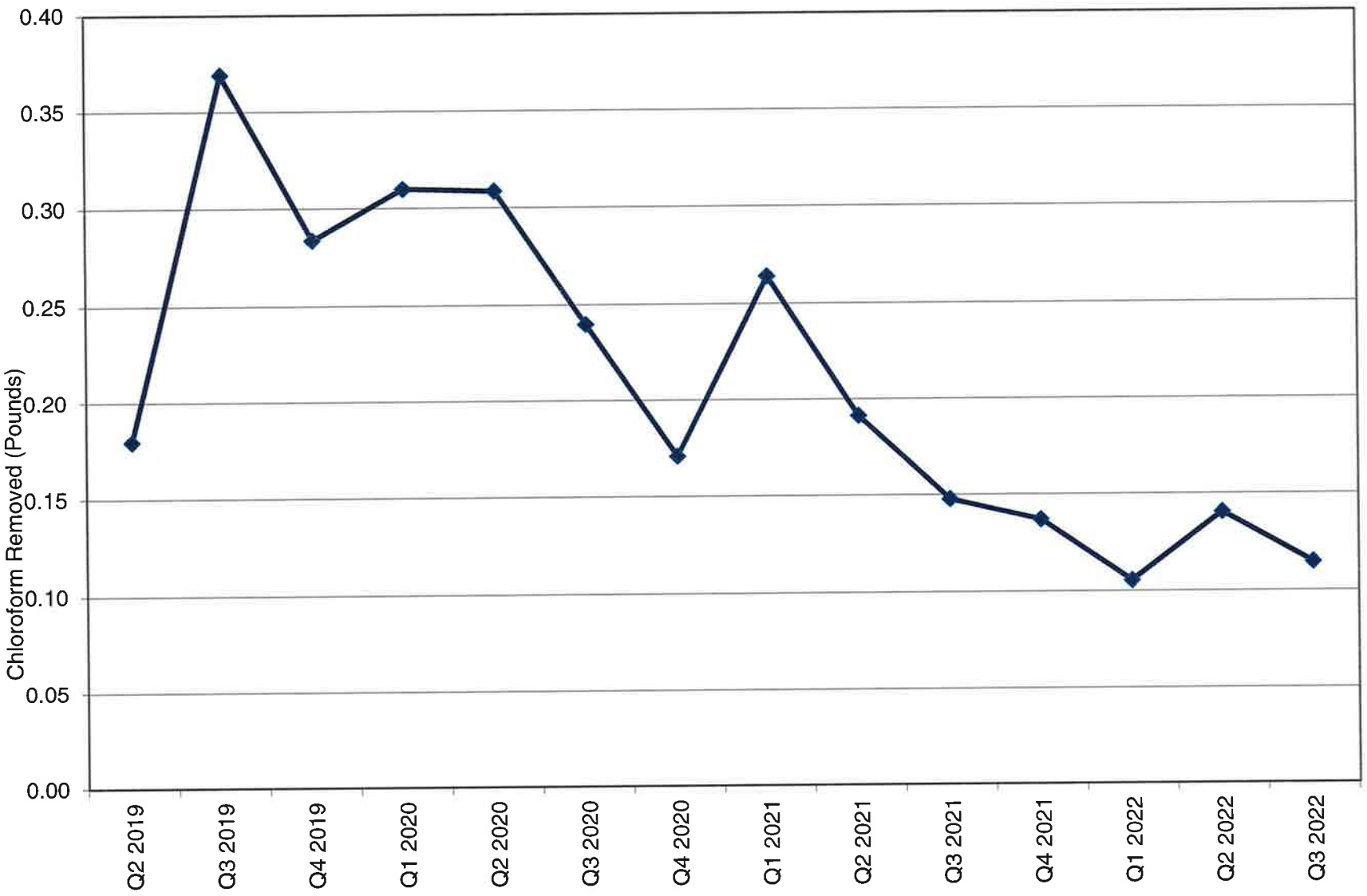

TW4-25 Mass of Chloroform Removed by Quarter (lbs.)
Chloroform Removed (Pounds)
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
0.0000
Q1 2013
Q2 2013
Q3 2013
Q4 2013
Q1 2014
Q2 2014
Q3 2014
Q4 2014
Q1 2015
Q2 2015
Q3 2015
Q4 2015
Q1 2016
Q2 2016
Q3 2016
Q4 2016
Q1 2017
Q2 2017
Q3 2017
Q4 2017
Q1 2018
Q2 2018
Q3 2018
Q4 2018
Q1 2019
Q2 2019
Q3 2019
Q4 2019
Q1 2020
Q2 2020
Q3 2020
Q4 2020
Q1 2021
Q2 2021
Q3 2021
Q4 2021
Q1 2022
Q2 2022
Q3 2022

TW4-37 Mass of Chloroform Removed by Quarter (lbs.)

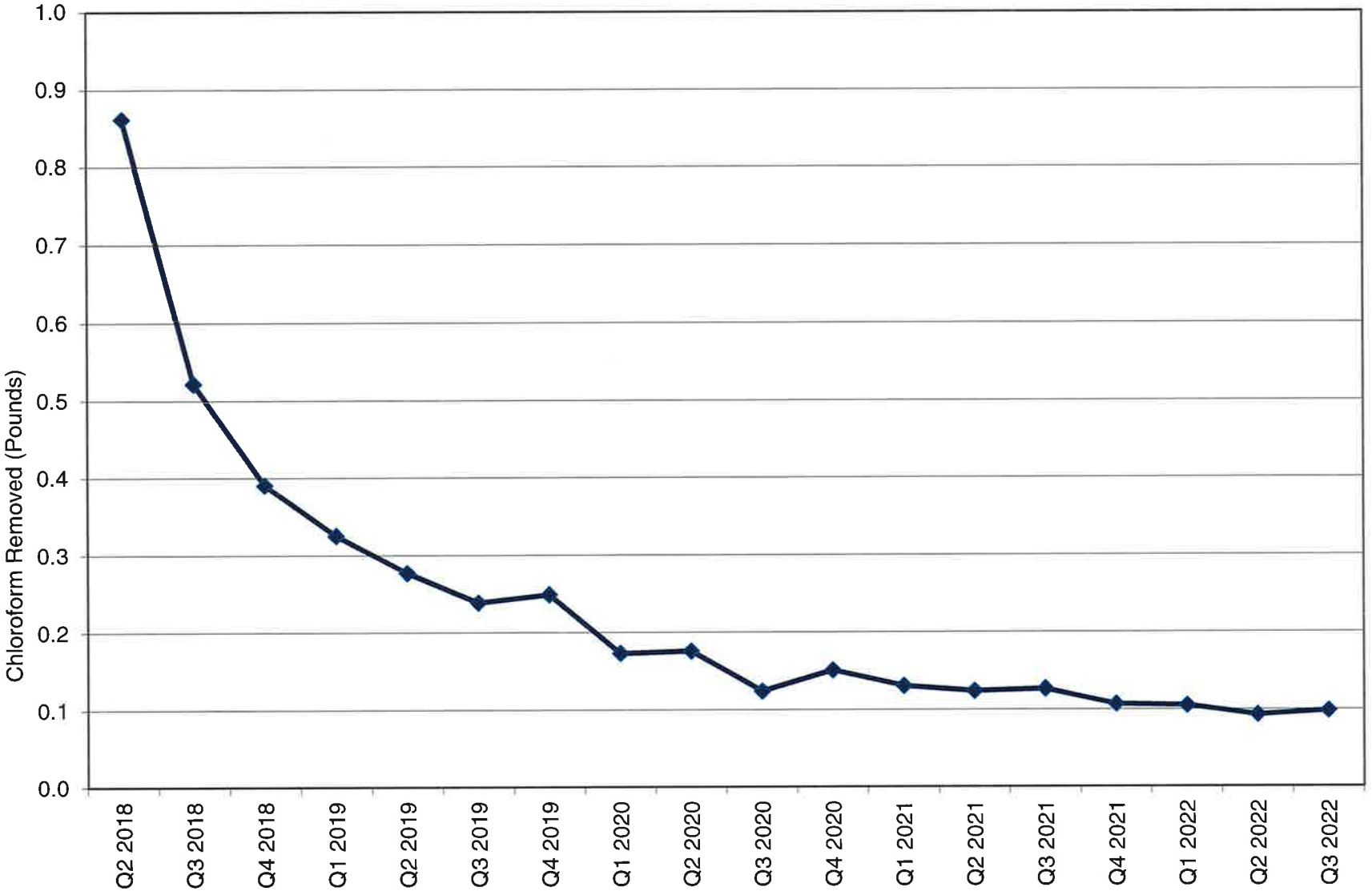


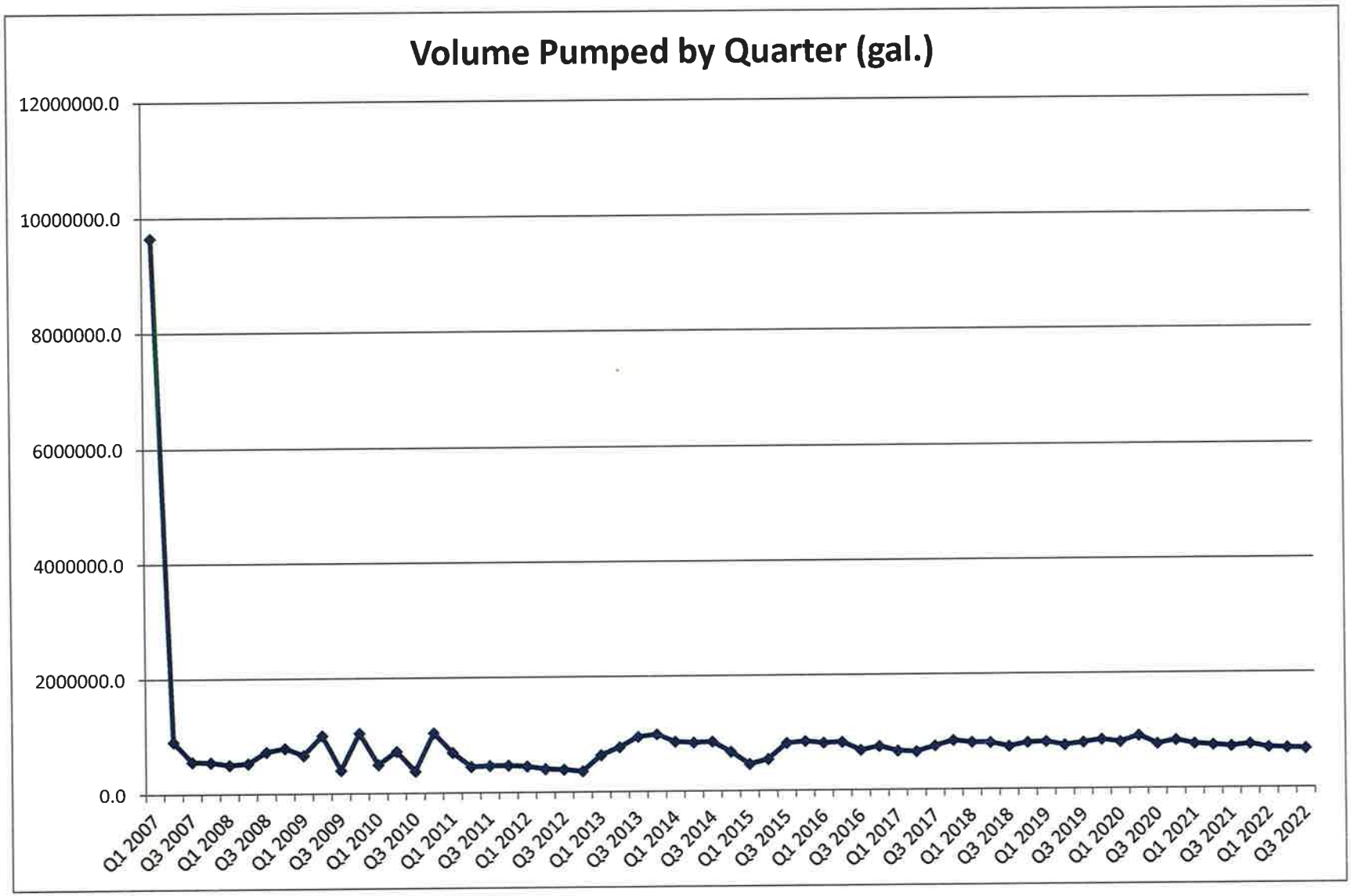
TW4-39 Mass of Chloroform Removed by Quarter (lbs.)

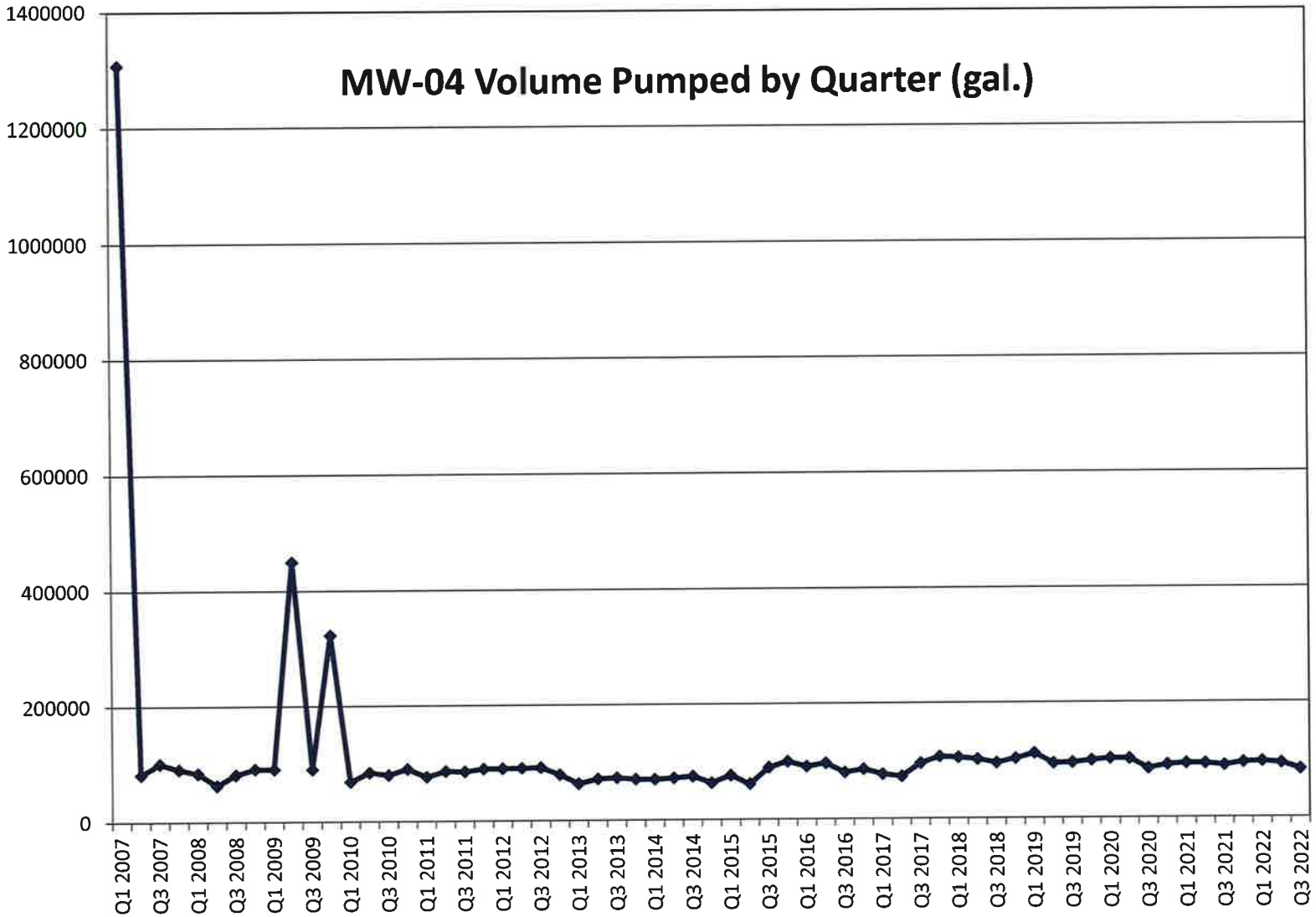


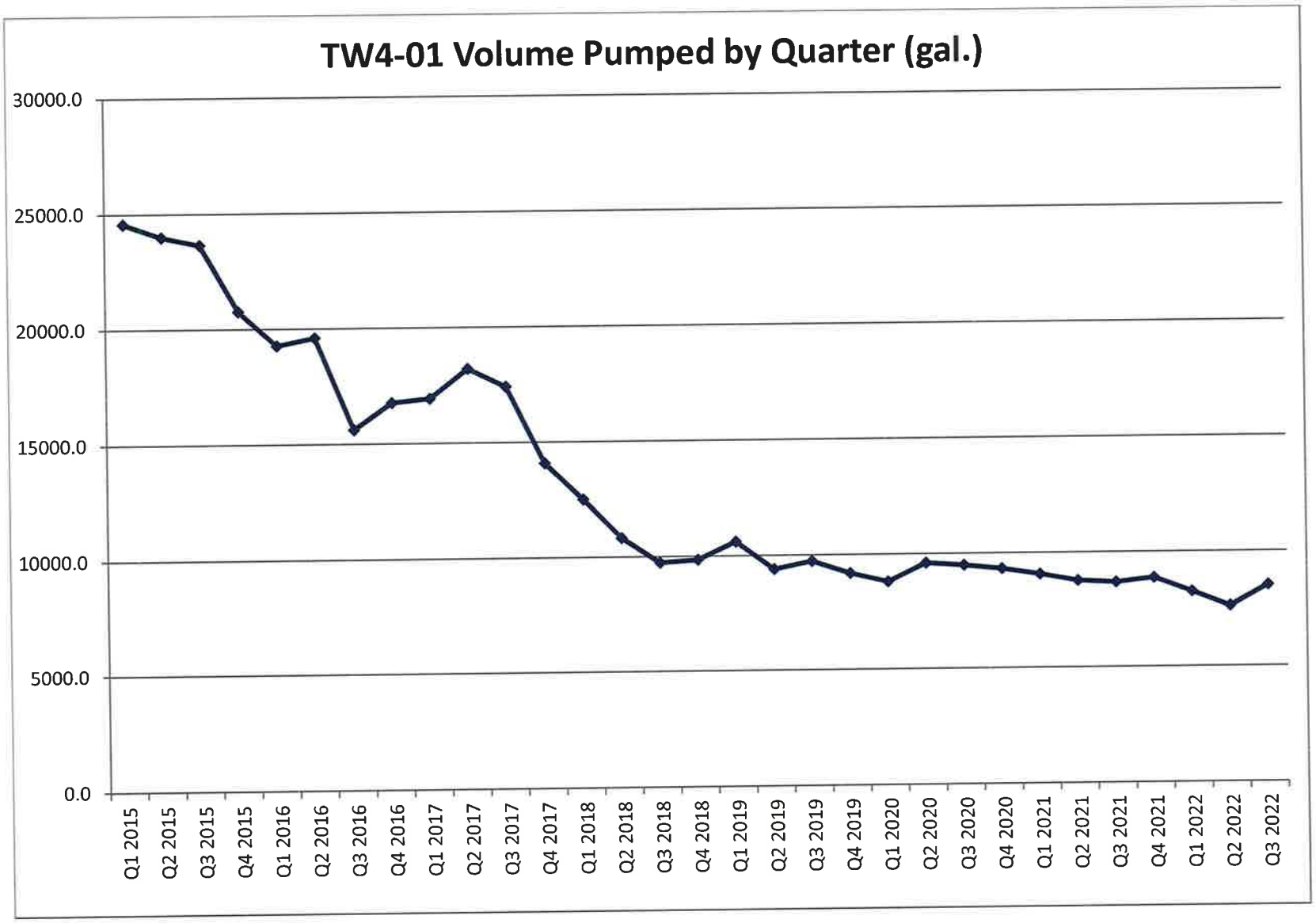

TW4-40 Mass of Chloroform Removed by Quarter (lbs.)
Chloroform Removed (Pounds)
0.40
0.35
0.30
0.25
0.20
0.15
0.10
0.05
0.00
Q2 2019
Q3 2019
Q4 2019
Q1 2020
Q2 2020
Q3 2020
Q4 2020
Q1 2021
Q2 2021
Q3 2021
Q4 2021
Q1 2022
Q2 2022
Q3 2022

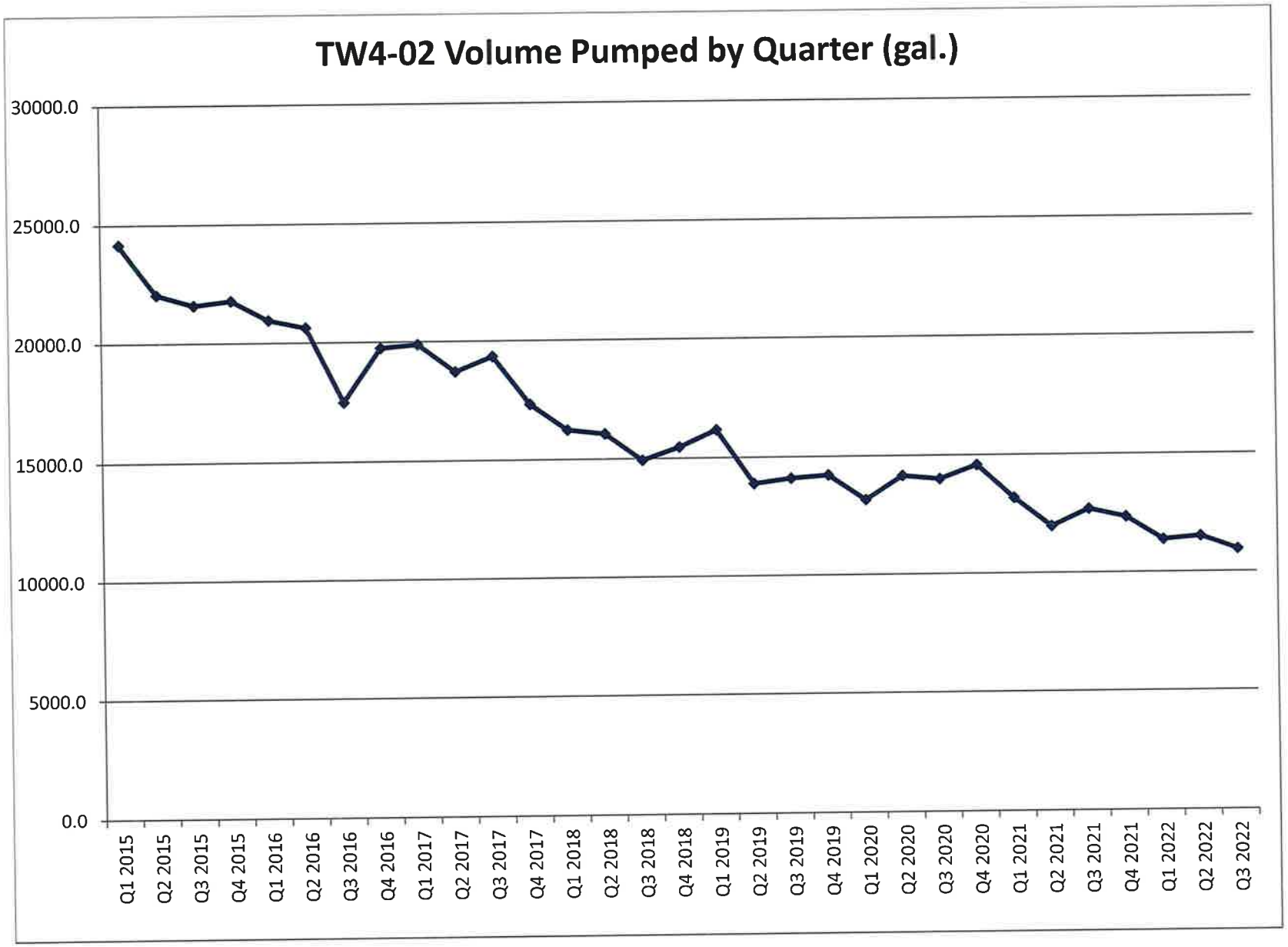
TW4-41 Mass of Chloroform Removed by Quarter (lbs.)

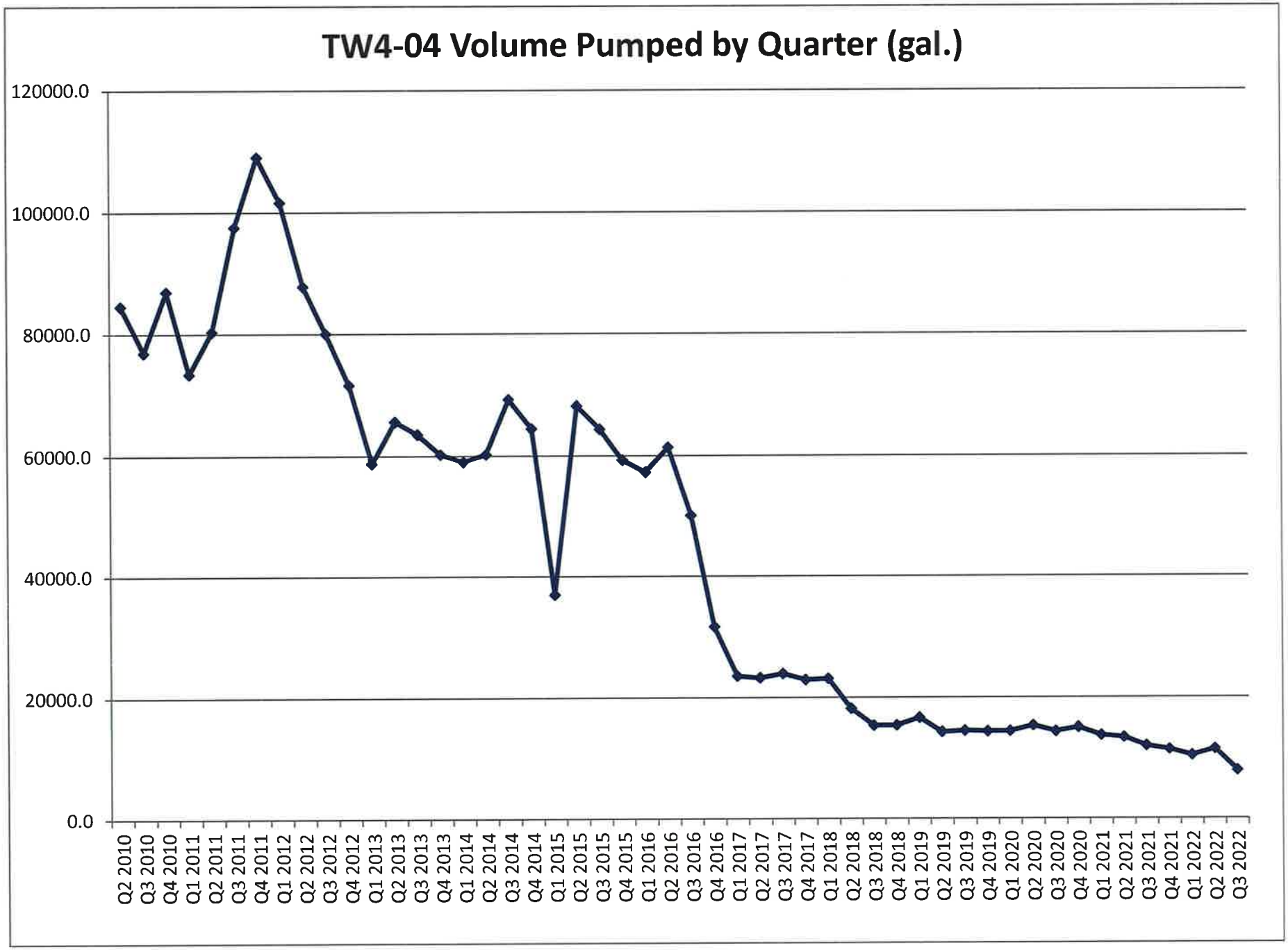


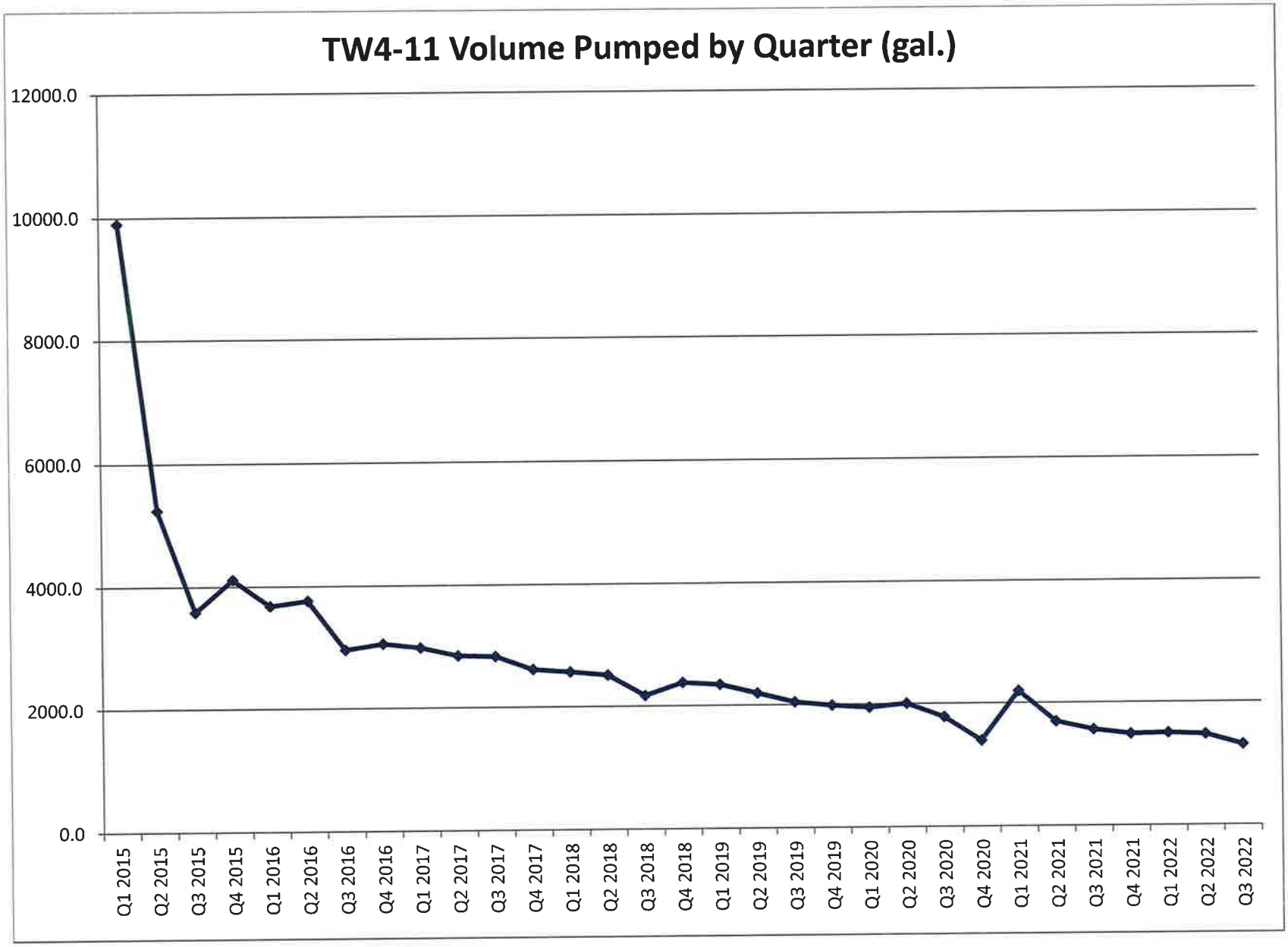

Volume Pumped by Quarter (gal.)
12000000.0
10000000.0
8000000.0
6000000.0
4000000.0
2000000.0
0.0
Q1 2007
Q3 2007
Q1 2008
Q3 2008
Q1 2009
Q3 2009
Q1 2010
Q3 2010
Q1 2011
Q3 2011
Q1 2012
Q3 2012
Q1 2013
Q3 2013
Q1 2014
Q3 2014
Q1 2015
Q3 2015
Q1 2016
Q3 2016
Q1 2017
Q3 2017
Q1 2018
Q3 2018
Q1 2019
Q3 2019
Q1 2020
Q3 2020
Q1 2021
Q3 2021
Q1 2022
Q3 2022

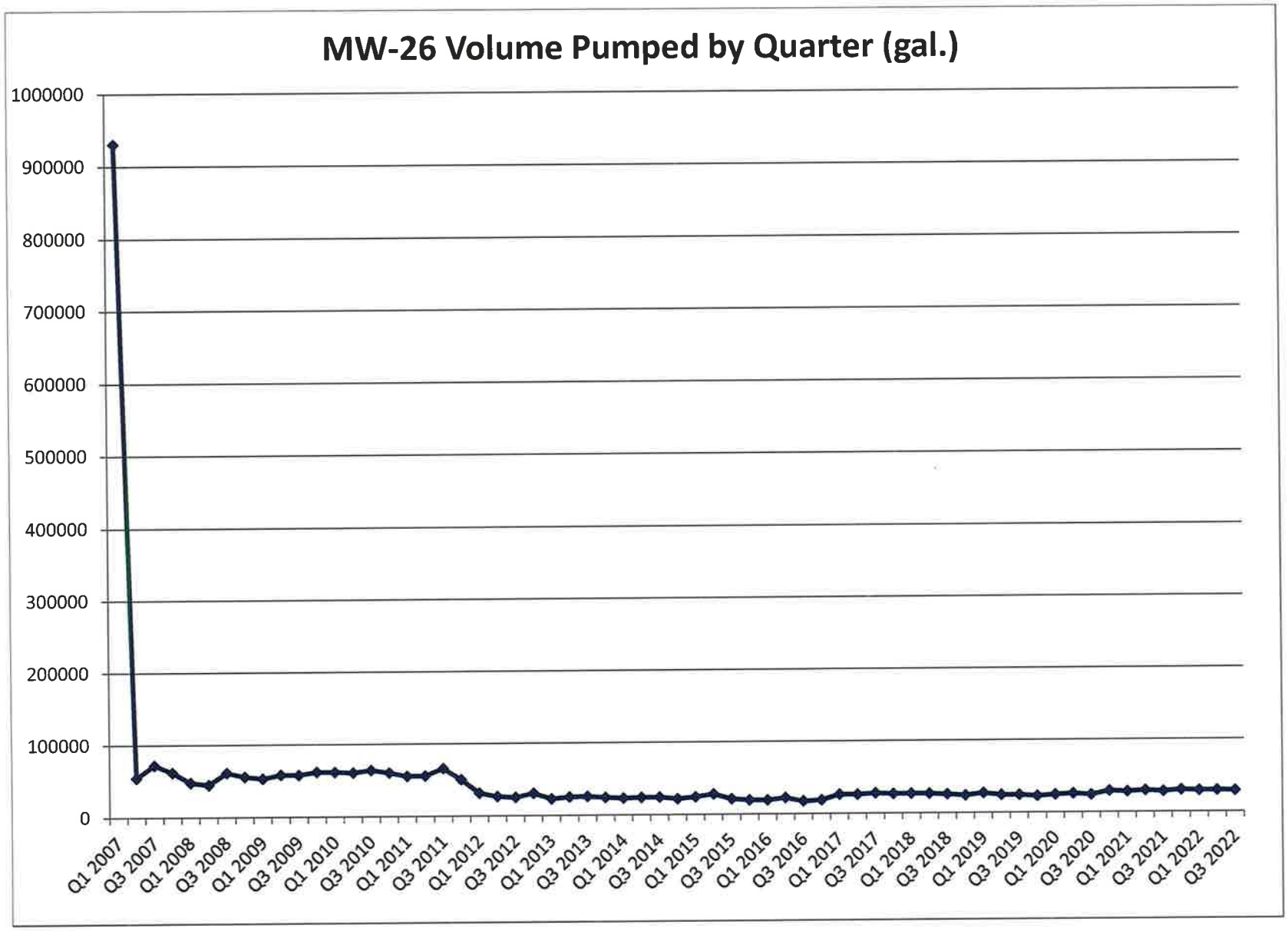

MW-04 Volume Pumped by Quarter (gal.)
1400000
1200000
1000000
800000
600000
400000
200000
0
Q1 2007
Q3 2007
Q1 2008
Q3 2008
Q1 2009
Q3 2009
Q1 2010
Q3 2010
Q1 2011
Q3 2011
Q1 2012
Q3 2012
Q1 2013
Q3 2013
Q1 2014
Q3 2014
Q1 2015
Q3 2015
Q1 2016
Q3 2016
Q1 2017
Q3 2017
Q1 2018
Q3 2018
Q1 2019
Q3 2019
Q1 2020
Q3 2020
Q1 2021
Q3 2021
Q1 2022
Q3 2022


TW4-01 Volume Pumped by Quarter (gal.)
30000.0
25000.0
20000.0
15000.0
10000.0
5000.0
0.0
Q1 2015
Q2 2015
Q3 2015
Q4 2015
Q1 2016
Q2 2016
Q3 2016
Q4 2016
Q1 2017
Q2 2017
Q3 2017
Q4 2017
Q1 2018
Q2 2018
Q3 2018
Q4 2018
Q1 2019
Q2 2019
Q3 2019
Q4 2019
Q1 2020
Q2 2020
Q3 2020
Q4 2020
Q1 2021
Q2 2021
Q3 2021
Q4 2021
Q1 2022
Q2 2022
Q3 2022

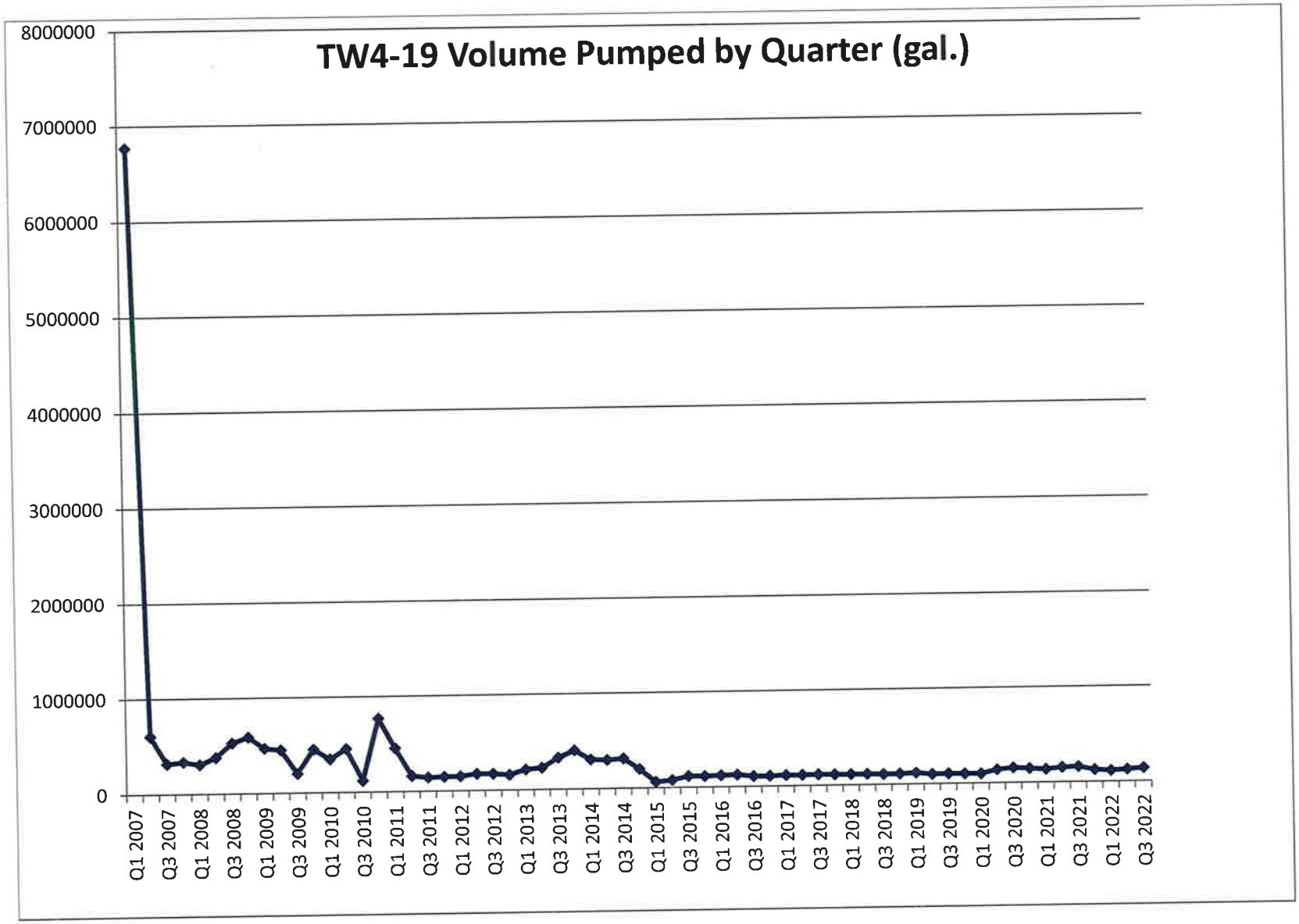

TW4-02 Volume Pumped by Quarter (gal.)
30000.0
25000.0
20000.0
15000.0
10000.0
5000.0
0.0
Q1 2015
Q2 2015
Q3 2015
Q4 2015
Q1 2016
Q2 2016
Q3 2016
Q4 2016
Q1 2017
Q2 2017
Q3 2017
Q4 2017
Q1 2018
Q2 2018
Q3 2018
Q4 2018
Q1 2019
Q2 2019
Q3 2019
Q4 2019
Q1 2020
Q2 2020
Q3 2020
Q4 2020
Q1 2021
Q2 2021
Q3 2021
Q4 2021
Q1 2022
Q2 2022
Q3 2022

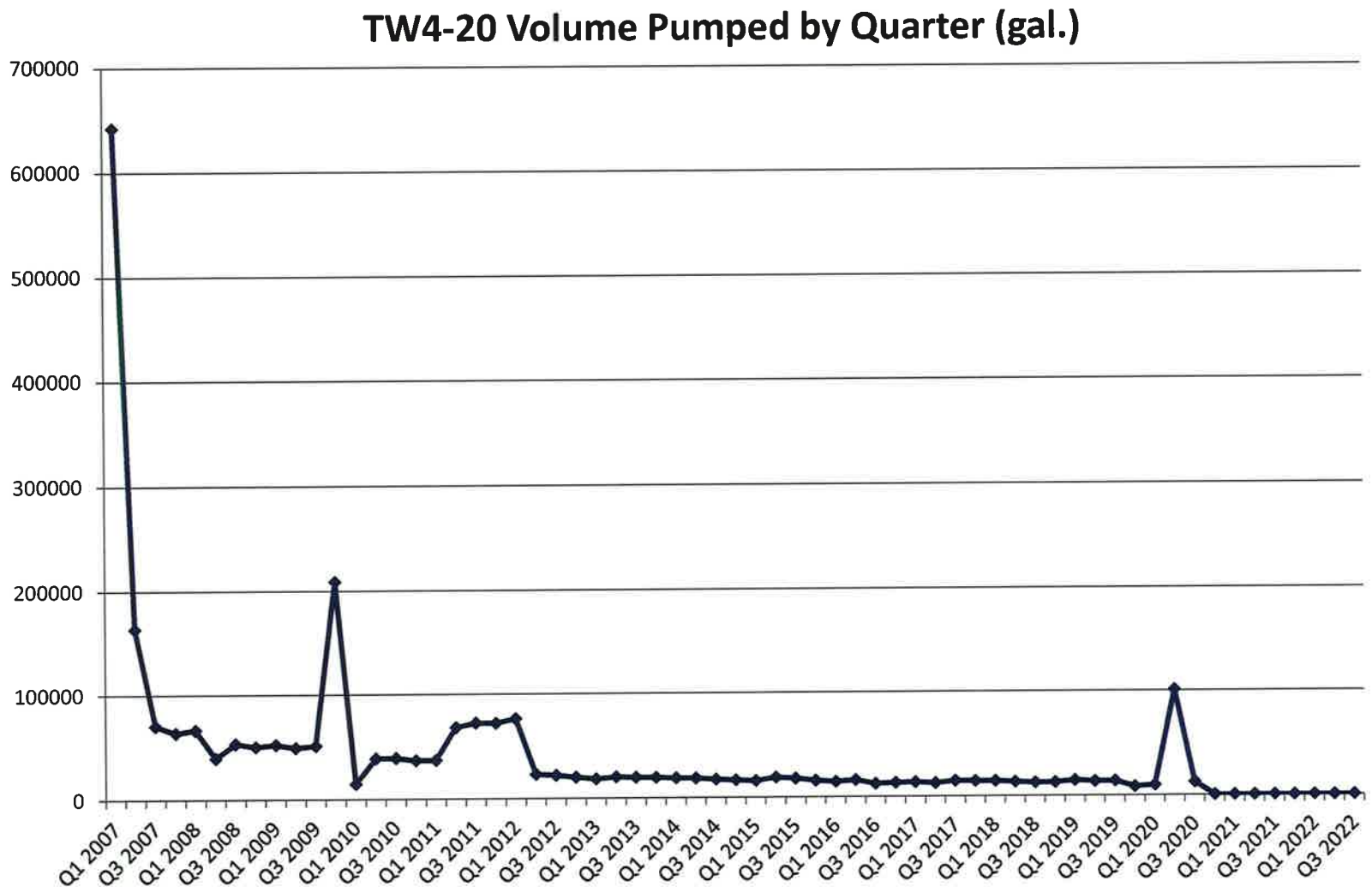

TW4-04 Volume Pumped by Quarter (gal.)
120000.0
100000.0
80000.0
60000.0
40000.0
20000.0
0.0
Q2 2010
Q3 2010
Q4 2010
Q1 2011
Q2 2011
Q3 2011
Q4 2011
Q1 2012
Q2 2012
Q3 2012
Q4 2012
Q1 2013
Q2 2013
Q3 2013
Q4 2013
Q1 2014
Q2 2014
Q3 2014
Q4 2014
Q1 2015
Q2 2015
Q3 2015
Q4 2015
Q1 2016
Q2 2016
Q3 2016
Q4 2016
Q1 2017
Q2 2017
Q3 2017
Q4 2017
Q1 2018
Q2 2018
Q3 2018
Q4 2018
Q1 2019
Q2 2019
Q3 2019
Q4 2019
Q1 2020
Q2 2020
Q3 2020
Q4 2020
Q1 2021
Q2 2021
Q3 2021
Q4 2021
Q1 2022
Q2 2022
Q3 2022

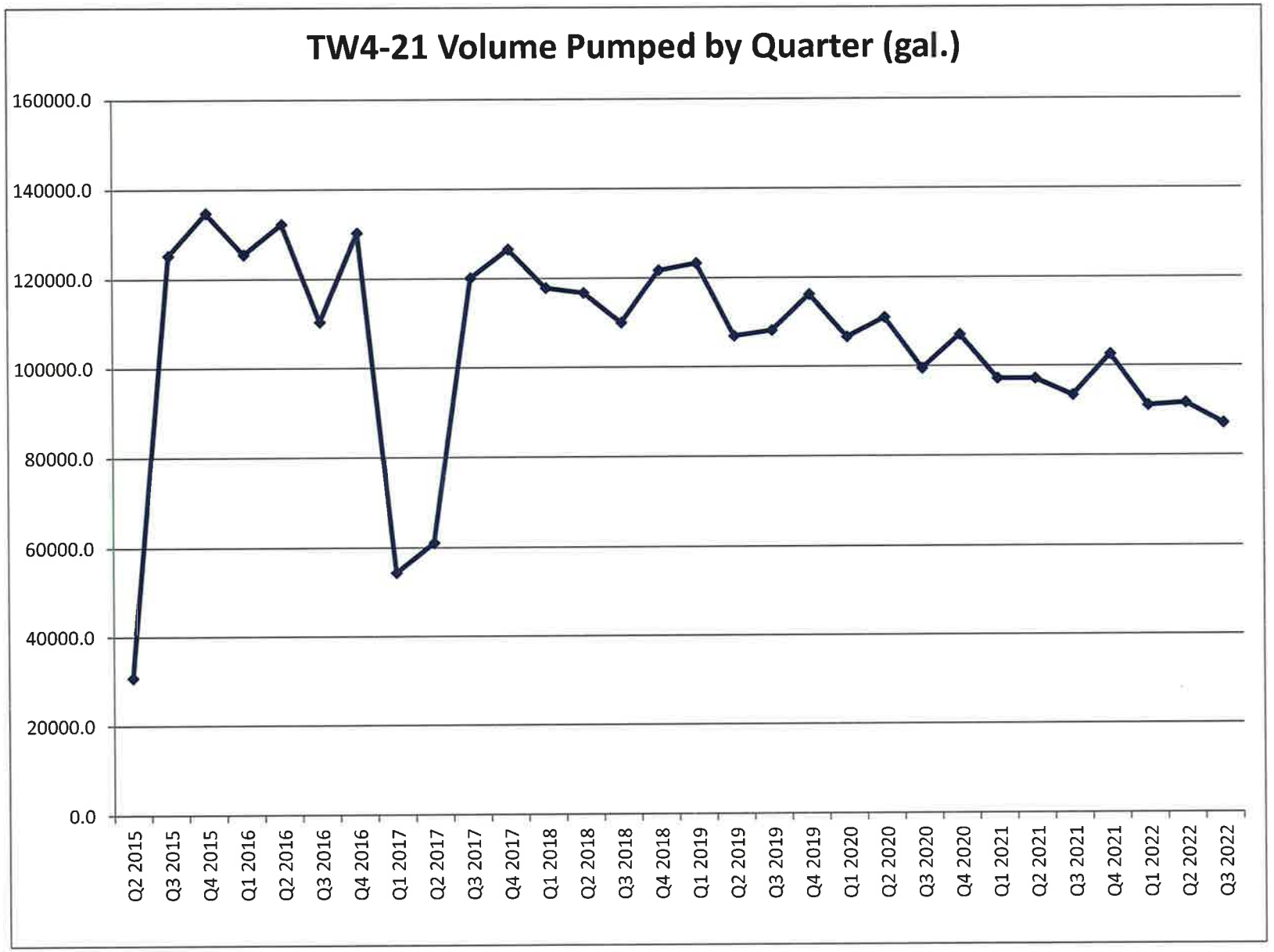

TW4-11 Volume Pumped by Quarter (gal.)
12000.0
10000.0
8000.0
6000.0
4000.0
2000.0
0.0
Q1 2015
Q2 2015
Q3 2015
Q4 2015
Q1 2016
Q2 2016
Q3 2016
Q4 2016
Q1 2017
Q2 2017
Q3 2017
Q4 2017
Q1 2018
Q2 2018
Q3 2018
Q4 2018
Q1 2019
Q2 2019
Q3 2019
Q4 2019
Q1 2020
Q2 2020
Q3 2020
Q4 2020
Q1 2021
Q2 2021
Q3 2021
Q4 2021
Q1 2022
Q2 2022
Q3 2022

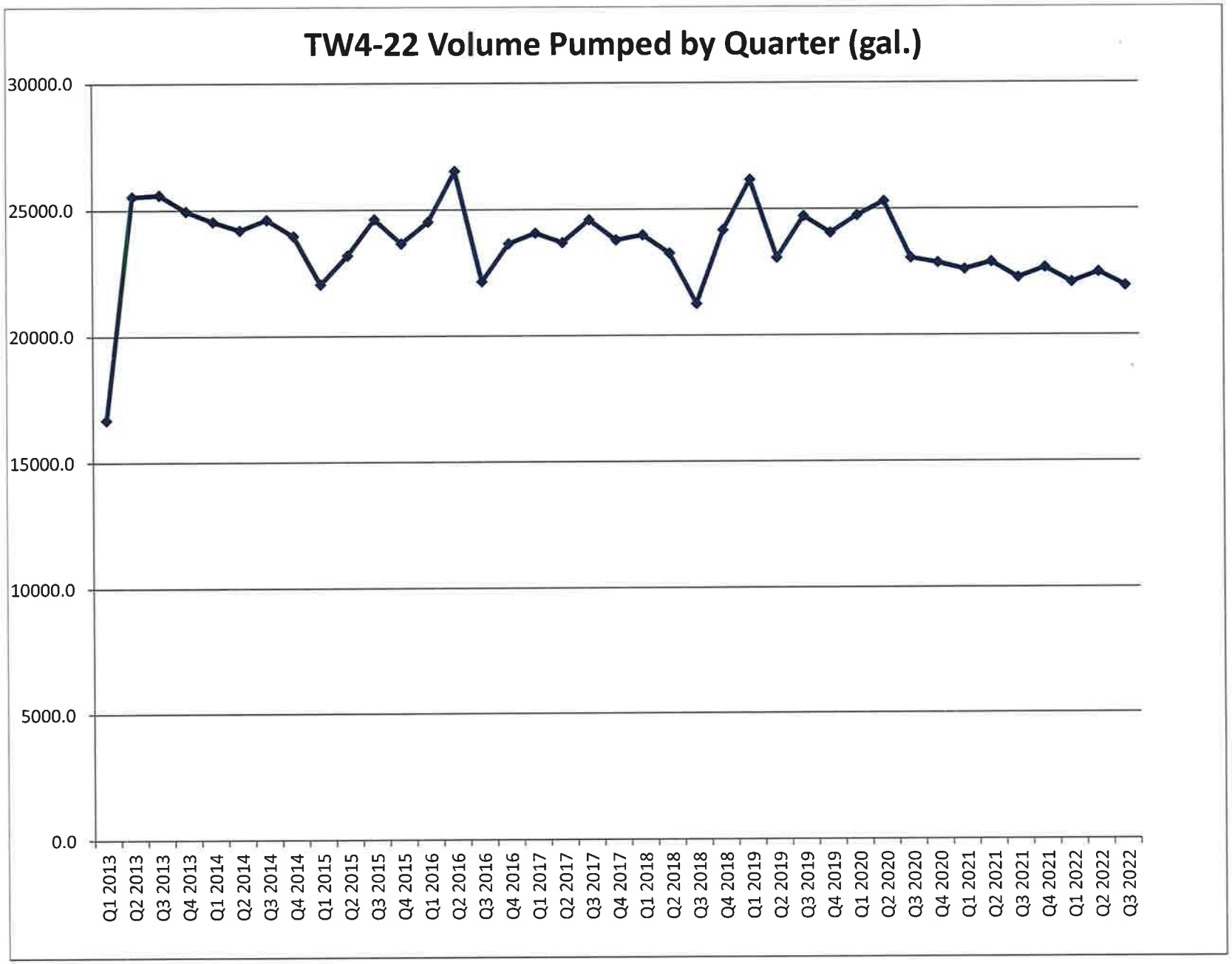


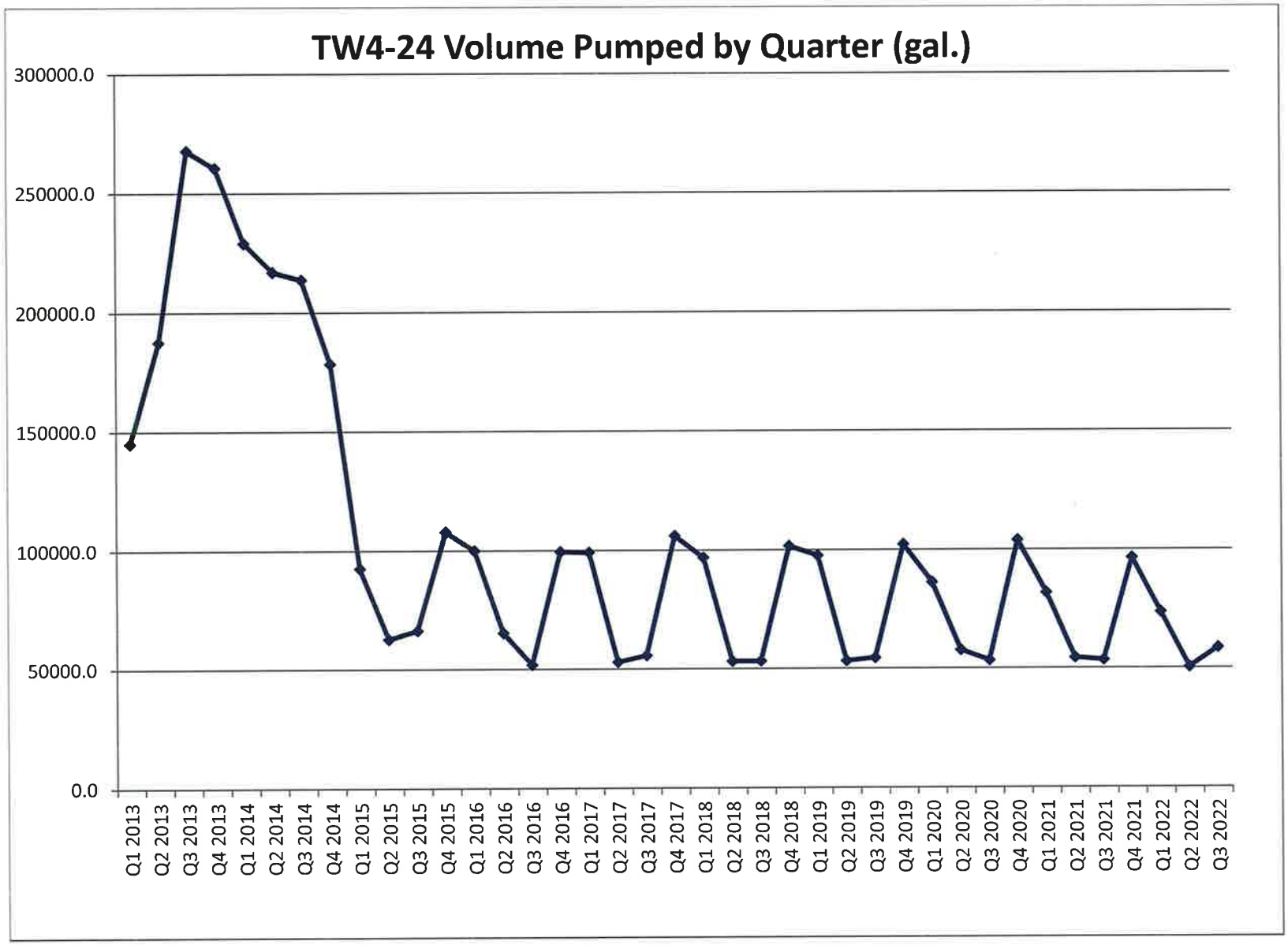
Q1 2007 represents the cumulative total prior to and including Q1 2007.

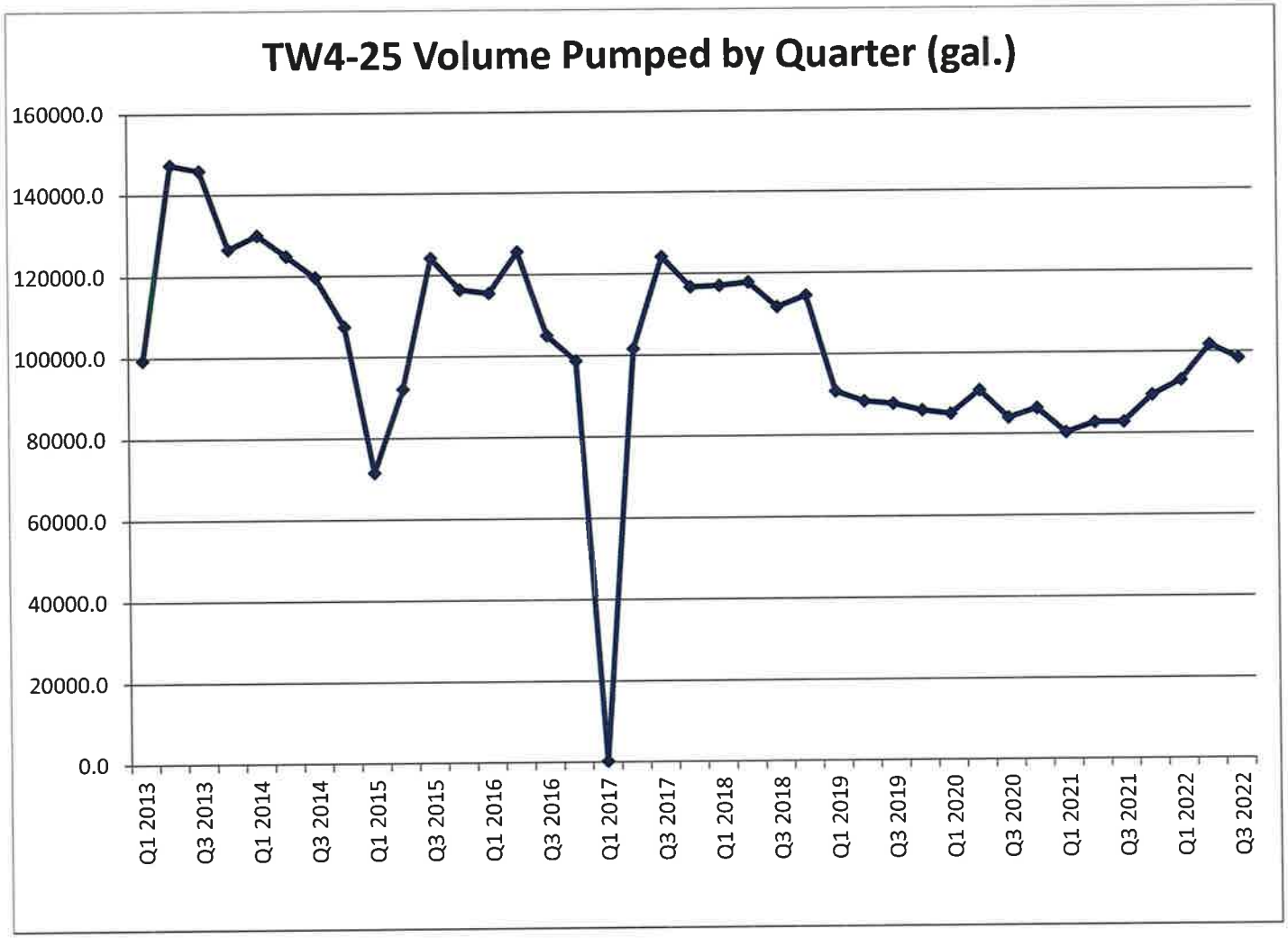

TW4-19 Volume Pumped by Quarter (gal.)
8000000
7000000
6000000
5000000
4000000
3000000
2000000
1000000
0
Q1 2007
Q3 2007
Q1 2008
Q3 2008
Q1 2009
Q3 2009
Q1 2010
Q3 2010
Q1 2011
Q3 2011
Q1 2012
Q3 2012
Q1 2013
Q3 2013
Q1 2014
Q3 2014
Q1 2015
Q3 2015
Q1 2016
Q3 2016
Q1 2017
Q3 2017
Q1 2018
Q3 2018
Q1 2019
Q3 2019
Q1 2020
Q3 2020
Q1 2021
Q3 2021
Q1 2022
Q3 2022

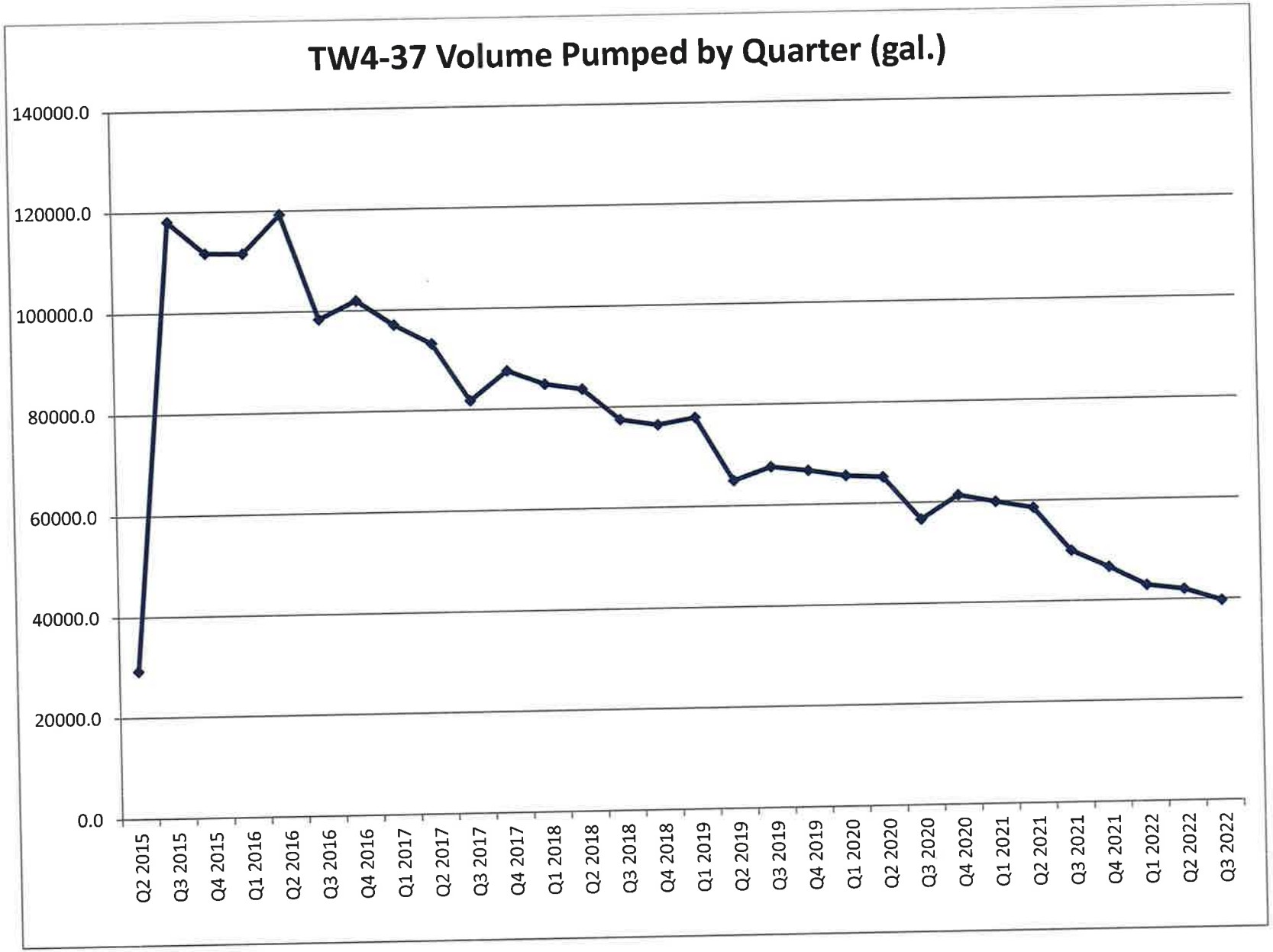

TW4-20 Volume Pumped by Quarter (gal.)
700000
600000
500000
400000
300000
200000
100000
0
Q1 2007
Q3 2007
Q1 2008
Q3 2008
Q1 2009
Q3 2009
Q1 2010
Q3 2010
Q1 2011
Q3 2011
Q1 2012
Q3 2012
Q1 2013
Q3 2013
Q1 2014
Q3 2014
Q1 2015
Q3 2015
Q1 2016
Q3 2016
Q1 2017
Q3 2017
Q1 2018
Q3 2018
Q1 2019
Q3 2019
Q1 2020
Q3 2020
Q1 2021
Q3 2021
Q1 2022
Q3 2022

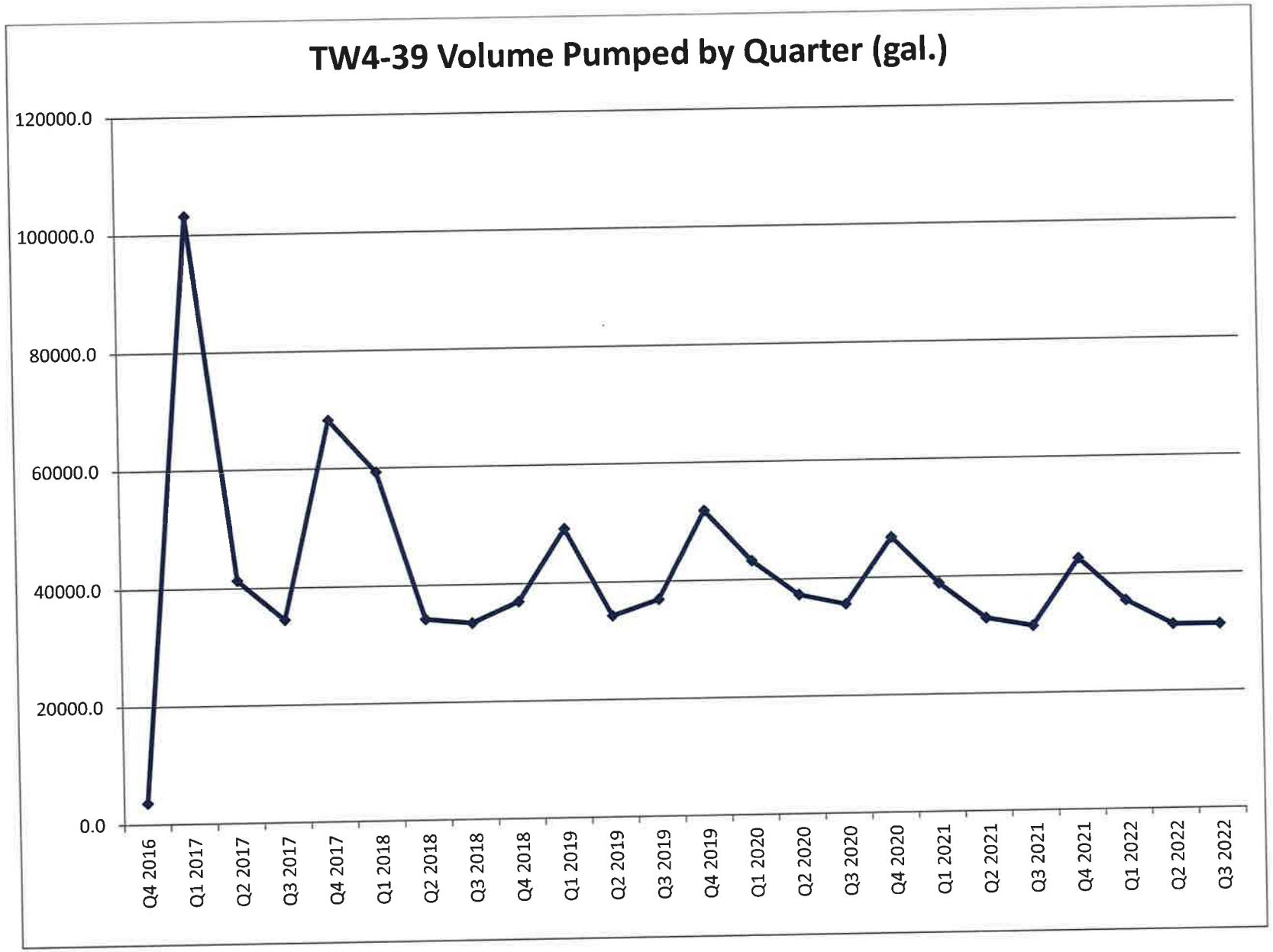

TW4-21 Volume Pumped by Quarter (gal.)
160000.0
140000.0
120000.0
100000.0
80000.0
60000.0
40000.0
20000.0
0.0
Q2 2015
Q3 2015
Q4 2015
Q1 2016
Q2 2016
Q3 2016
Q4 2016
Q1 2017
Q2 2017
Q3 2017
Q4 2017
Q1 2018
Q2 2018
Q3 2018
Q4 2018
Q1 2019
Q2 2019
Q3 2019
Q4 2019
Q1 2020
Q2 2020
Q3 2020
Q4 2020
Q1 2021
Q2 2021
Q3 2021
Q4 2021
Q1 2022
Q2 2022
Q3 2022

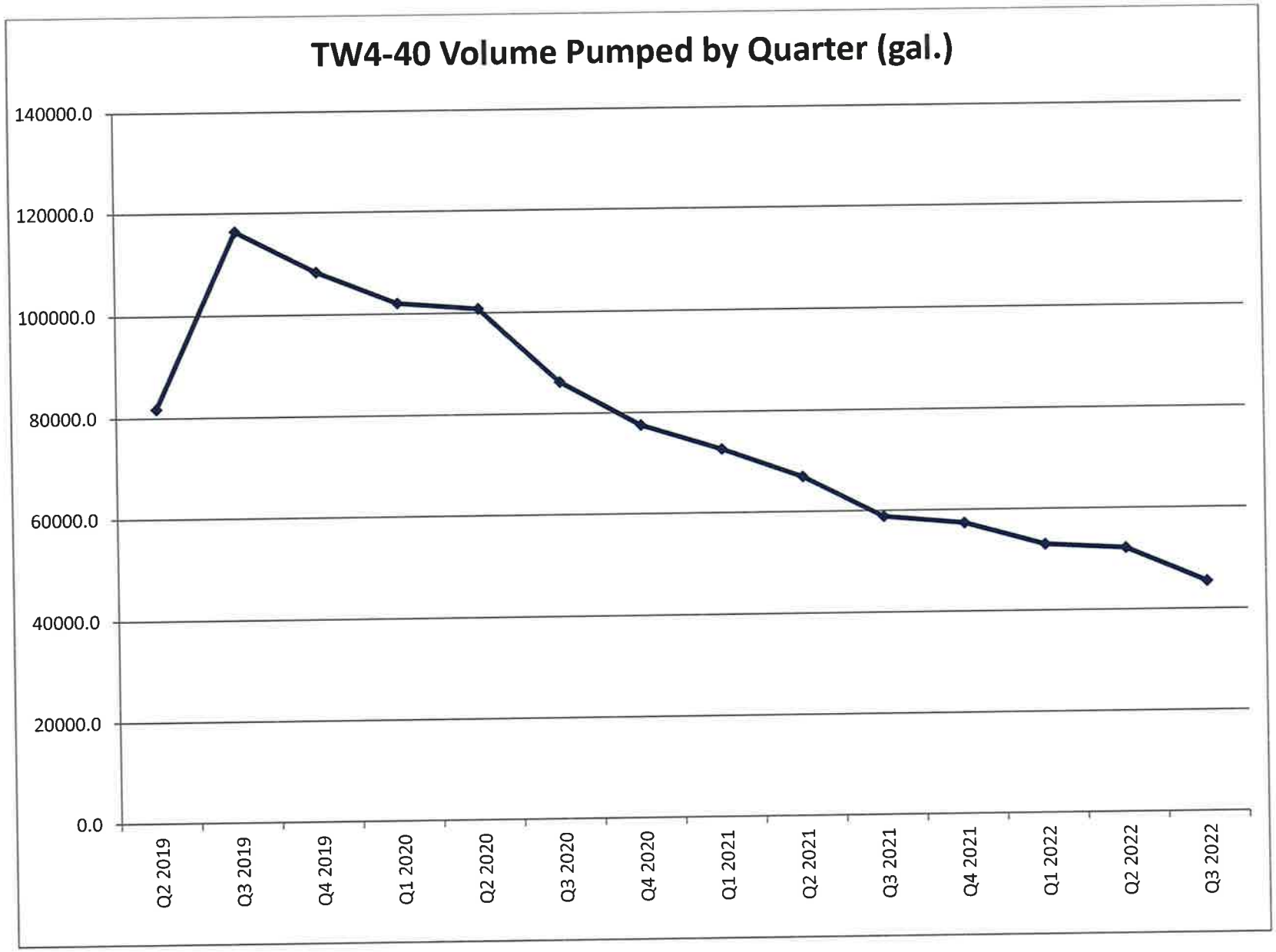

TW4-22 Volume Pumped by Quarter (gal.)
30000.0
25000.0
20000.0
15000.0
10000.0
5000.0
0.0
Q1 2013
Q2 2013
Q3 2013
Q4 2013
Q1 2014
Q2 2014
Q3 2014
Q4 2014
Q1 2015
Q2 2015
Q3 2015
Q4 2015
Q1 2016
Q2 2016
Q3 2016
Q4 2016
Q1 2017
Q2 2017
Q3 2017
Q4 2017
Q1 2018
Q2 2018
Q3 2018
Q4 2018
Q1 2019
Q2 2019
Q3 2019
Q4 2019
Q1 2020
Q2 2020
Q3 2020
Q4 2020
Q1 2021
Q2 2021
Q3 2021
Q4 2021
Q1 2022
Q2 2022
Q3 2022

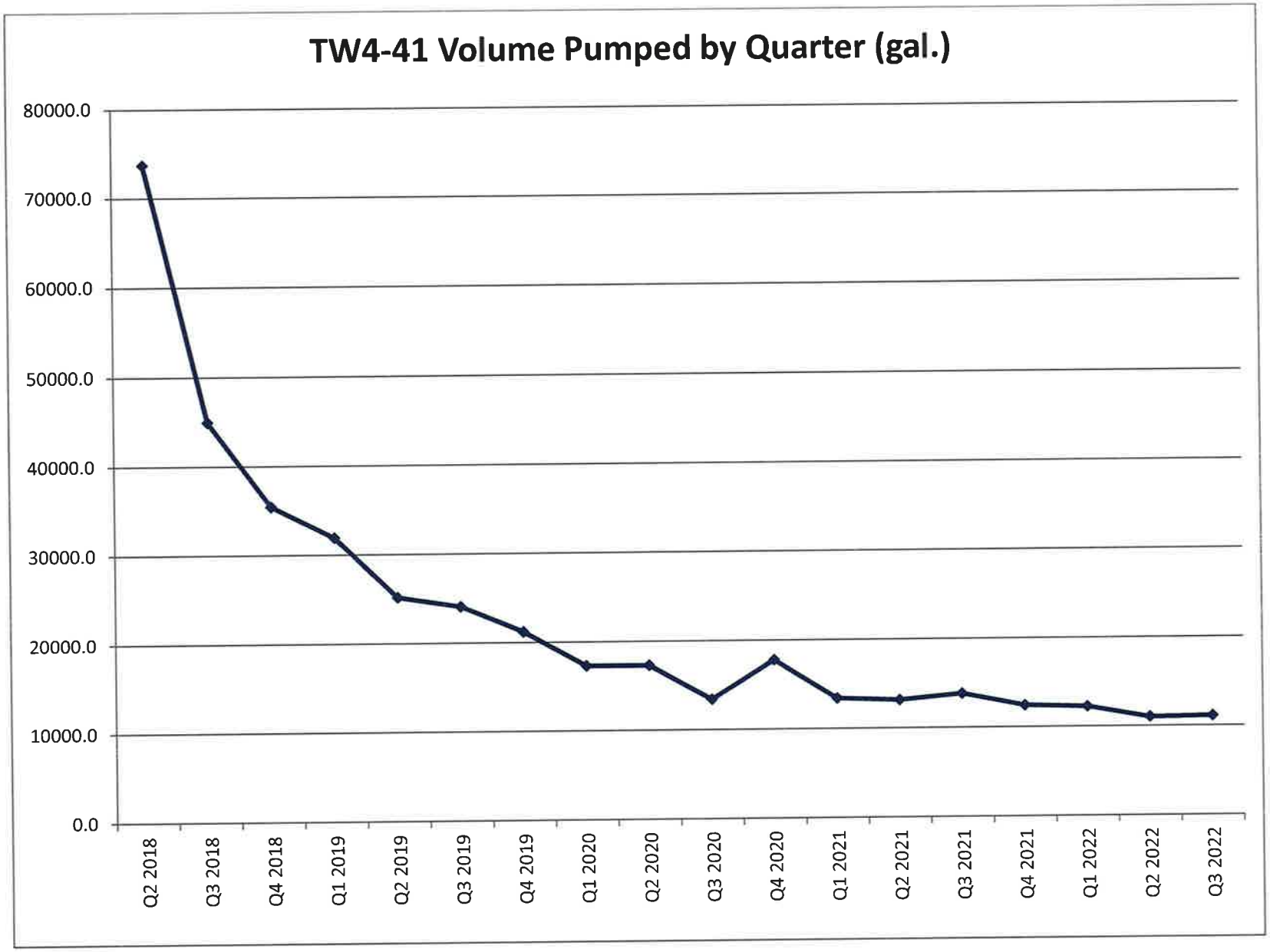

TW4-24 Volume Pumped by Quarter (gal.)
300000.0
250000.0
200000.0
150000.0
100000.0
50000.0
0.0
Q1 2013
Q2 2013
Q3 2013
Q4 2013
Q1 2014
Q2 2014
Q3 2014
Q4 2014
Q1 2015
Q2 2015
Q3 2015
Q4 2015
Q1 2016
Q2 2016
Q3 2016
Q4 2016
Q1 2017
Q2 2017
Q3 2017
Q4 2017
Q1 2018
Q2 2018
Q3 2018
Q4 2018
Q1 2019
Q2 2019
Q3 2019
Q4 2019
Q1 2020
Q2 2020
Q3 2020
Q4 2020
Q1 2021
Q2 2021
Q3 2021
Q4 2021
Q1 2022
Q2 2022
Q3 2022


TW4-25 Volume Pumped by Quarter (gal.)
160000.0
140000.0
120000.0
100000.0
80000.0
60000.0
40000.0
20000.0
0.0
Q1 2013
Q3 2013
Q1 2014
Q3 2014
Q1 2015
Q3 2015
Q1 2016
Q3 2016
Q1 2017
Q3 2017
Q1 2018
Q3 2018
Q1 2019
Q3 2019
Q1 2020
Q3 2020
Q1 2021
Q3 2021
Q1 2022
Q3 2022


TW4-37 Volume Pumped by Quarter (gal.)
140000.0
120000.0
100000.0
80000.0
60000.0
40000.0
20000.0
0.0
Q2 2015
Q3 2015
Q4 2015
Q1 2016
Q2 2016
Q3 2016
Q4 2016
Q1 2017
Q2 2017
Q3 2017
Q4 2017
Q1 2018
Q2 2018
Q3 2018
Q4 2018
Q1 2019
Q2 2019
Q3 2019
Q4 2019
Q1 2020
Q2 2020
Q3 2020
Q4 2020
Q1 2021
Q2 2021
Q3 2021
Q4 2021
Q1 2022
Q2 2022
Q3 2022


TW4-39 Volume Pumped by Quarter (gal.)
120000.0
100000.0
80000.0
60000.0
40000.0
20000.0
0.0
Q4 2016
Q1 2017
Q2 2017
Q3 2017
Q4 2017
Q1 2018
Q2 2018
Q3 2018
Q4 2018
Q1 2019
Q2 2019
Q3 2019
Q4 2019
Q1 2020
Q2 2020
Q3 2020
Q4 2020
Q1 2021
Q2 2021
Q3 2021
Q4 2021
Q1 2022
Q2 2022
Q3 2022


TW4-40 Volume Pumped by Quarter (gal.)
140000.0
120000.0
100000.0
80000.0
60000.0
40000.0
20000.0
0.0
Q2 2019
Q3 2019
Q4 2019
Q1 2020
Q2 2020
Q3 2020
Q4 2020
Q1 2021
Q2 2021
Q3 2021
Q4 2021
Q1 2022
Q2 2022
Q3 2022


TW4-41 Volume Pumped by Quarter (gal.)
80000.0
70000.0
60000.0
50000.0
40000.0
30000.0
20000.0
10000.0
0.0
Q2 2018
Q3 2018
Q4 2018
Q1 2019
Q2 2019
Q3 2019
Q4 2019
Q1 2020
Q2 2020
Q3 2020
Q4 2020
Q1 2021
Q2 2021
Q3 2021
Q4 2021
Q1 2022
Q2 2022
Q3 2022

Tab H

Laboratory Analytical Reports

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Energy Fuels Resources, Inc.
Tanner Holliday
6425 South Highway 191
Blanding, UT 84511

PO#:
Receipt: **9/1/22 11:10 @ 1.2** °C
Date Reported: 11/1/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **MW-04_08302022**
Lab ID: **22I0046-10**

Matrix: **Water**
Date Sampled: **8/30/22 8:25**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	44.7	mg/L	1.00	EPA 300.0	9/9/22	9/9/22	
Nitrate + Nitrite, Total, as N	4.20	mg/L	0.200	EPA 353.2	9/7/22	9/7/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/8/22	9/8/22	
Chloroform	1200	ug/L	100	EPA 8260D /5030A	9/8/22	9/8/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/8/22	9/8/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/8/22	9/8/22	

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Tanner Holliday
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PO#:
Receipt: **9/1/22 11:10 @ 1.2 °C**
Date Reported: 11/1/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-01_08302022**
Lab ID: **22I0046-07**
Matrix: **Water**
Date Sampled: **8/30/22 8:32**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	45.1	mg/L	1.00	EPA 300.0	9/9/22	9/9/22	
Nitrate + Nitrite, Total, as N	0.420	mg/L	0.100	EPA 353.2	9/7/22	9/7/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/7/22	9/7/22	
Chloroform	954	ug/L	100	EPA 8260D /5030A	9/7/22	9/7/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/7/22	9/7/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/7/22	9/7/22	

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PO#:
Receipt: **9/1/22 11:10 @ 1.2 °C**
Date Reported: 11/1/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-02_08302022**
Lab ID: **22I0046-06**
Matrix: **Water**
Date Sampled: **8/30/22 8:15**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	40.7	mg/L	1.00	EPA 300.0	9/9/22	9/9/22	
Nitrate + Nitrite, Total, as N	3.07	mg/L	0.100	EPA 353.2	9/7/22	9/7/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/7/22	9/7/22	
Chloroform	832	ug/L	100	EPA 8260D /5030A	9/7/22	9/7/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/7/22	9/7/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/7/22	9/7/22	

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PO#:
Receipt: **9/16/22 10:20 @ 2.4** °C
Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-03_09132022**
Lab ID: **22I1410-02**

Matrix: **Water**
Date Sampled: **9/13/22 7:10**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	27.3	mg/L	1.0	EPA 300.0	9/20/22	9/21/22	
Nitrate + Nitrite, Total, as N	5.47	mg/L	0.500	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloroform	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	

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Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-03R_09122022**
Lab ID: **22I1410-01**
Matrix: **Water**
Date Sampled: **9/12/22 11:00**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	< 1.0	mg/L	1.0	EPA 300.0	9/20/22	9/21/22	
Nitrate + Nitrite, Total, as N	< 0.100	mg/L	0.100	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloroform	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	

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Receipt: **9/1/22 11:10 @ 1.2** °C
Date Reported: 11/1/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-04_08302022**
Lab ID: **22I0046-11**

Matrix: **Water**
Date Sampled: **8/30/22 9:00**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	41.0	mg/L	1.00	EPA 300.0	9/9/22	9/9/22	
Nitrate + Nitrite, Total, as N	6.65	mg/L	0.200	EPA 353.2	9/7/22	9/7/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/8/22	9/8/22	
Chloroform	1040	ug/L	100	EPA 8260D /5030A	9/8/22	9/8/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/8/22	9/8/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/8/22	9/8/22	

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Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-05_09142022**
Lab ID: **22I1410-20**
Matrix: **Water**
Date Sampled: **9/14/22 9:21**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	45.8	mg/L	1.0	EPA 300.0	9/23/22	9/23/22	
Nitrate + Nitrite, Total, as N	7.22	mg/L	0.500	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloroform	13.2	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	

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Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-06_09142022**
Lab ID: **22I1410-17**
Matrix: **Water**
Date Sampled: **9/14/22 8:53**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	38.7	mg/L	1.0	EPA 300.0	9/23/22	9/23/22	
Nitrate + Nitrite, Total, as N	0.144	mg/L	0.100	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloroform	3.9	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	

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Receipt: **9/16/22 10:20 @ 2.4** °C
Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-07_09152022**
Matrix: **Water**
Date Sampled: **9/15/22 8:54**

Lab ID: **22I1410-31**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	45.0	mg/L	1.0	EPA 300.0	9/23/22	9/24/22	
Nitrate + Nitrite, Total, as N	3.77	mg/L	0.200	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	J-LOW
Chloroform	887	ug/L	100	EPA 8260D /5030A	9/27/22	9/27/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	

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Receipt: **9/16/22 10:20 @ 2.4** °C
Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-08_09142022**
Matrix: **Water**
Date Sampled: **9/14/22 9:28**

Lab ID: **22I1410-21**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	52.5	mg/L	1.0	EPA 300.0	9/23/22	9/23/22	
Nitrate + Nitrite, Total, as N	0.718	mg/L	0.100	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloroform	15.3	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	

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Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-09_09142022**
Lab ID: **22I1410-19**
Matrix: **Water**
Date Sampled: **9/14/22 9:10**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	32.4	mg/L	1.0	EPA 300.0	9/23/22	9/23/22	
Nitrate + Nitrite, Total, as N	0.673	mg/L	0.100	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloroform	10.8	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	

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Receipt: **9/16/22 10:20 @ 2.4** °C
Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-10_09152022**
Lab ID: **22I1410-29**
Matrix: **Water**
Date Sampled: **9/15/22 8:30**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	52.0	mg/L	1.0	EPA 300.0	9/23/22	9/24/22	
Nitrate + Nitrite, Total, as N	5.57	mg/L	0.500	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	J-LOW
Chloroform	563	ug/L	100	EPA 8260D /5030A	9/27/22	9/27/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	

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Receipt: **9/1/22 11:10 @ 1.2 °C**
Date Reported: 11/1/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-11_08302022**
Lab ID: **22I0046-13**

Matrix: **Water**
Date Sampled: **8/30/22 8:07**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	42.4	mg/L	1.00	EPA 300.0	9/9/22	9/9/22	
Nitrate + Nitrite, Total, as N	6.90	mg/L	0.500	EPA 353.2	9/7/22	9/7/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/8/22	9/8/22	
Chloroform	3020	ug/L	100	EPA 8260D /5030A	9/8/22	9/8/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/8/22	9/8/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/8/22	9/8/22	

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Receipt: **9/16/22 10:20 @ 2.4** °C
Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-12_09132022**
Lab ID: **22I1410-04**
Matrix: **Water**
Date Sampled: **9/13/22 7:30**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	57.9	mg/L	1.0	EPA 300.0	9/22/22	9/23/22	
Nitrate + Nitrite, Total, as N	13.8	mg/L	0.500	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloroform	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	

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Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-13_09132022**
Lab ID: **22I1410-07**
Matrix: **Water**
Date Sampled: **9/13/22 7:57**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	62.4	mg/L	1.0	EPA 300.0	9/22/22	9/23/22	
Nitrate + Nitrite, Total, as N	4.37	mg/L	0.500	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloroform	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	

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Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-14_09142022**
Lab ID: **22I1410-16**
Matrix: **Water**
Date Sampled: **9/14/22 8:44**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	42.2	mg/L	1.0	EPA 300.0	9/23/22	9/23/22	
Nitrate + Nitrite, Total, as N	4.78	mg/L	0.500	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloroform	1.1	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	

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Receipt: **9/1/22 11:10 @ 1.2 °C**
Date Reported: 11/1/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **MW-26_08302022**
Lab ID: **22I0046-04**
Matrix: **Water**
Date Sampled: **8/30/22 8:00**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	57.0	mg/L	5.00	EPA 300.0	9/8/22	9/9/22	
Nitrate + Nitrite, Total, as N	0.662	mg/L	0.100	EPA 353.2	9/7/22	9/7/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/7/22	9/7/22	
Chloroform	612	ug/L	100	EPA 8260D /5030A	9/7/22	9/7/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/7/22	9/7/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/7/22	9/7/22	

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Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-16_09152022**
Matrix: **Water**
Date Sampled: **9/15/22 8:23**

Lab ID: **22I1410-28**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	89.8	mg/L	1.0	EPA 300.0	9/23/22	9/23/22	
Nitrate + Nitrite, Total, as N	4.41	mg/L	0.500	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	J-LOW
Chloroform	138	ug/L	10.0	EPA 8260D /5030A	9/27/22	9/27/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	

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Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-16R_09142022**
Lab ID: **22I1410-26**
Matrix: **Water**
Date Sampled: **9/14/22 10:25**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	< 1.0	mg/L	1.0	EPA 300.0	9/23/22	9/23/22	
Nitrate + Nitrite, Total, as N	< 0.100	mg/L	0.100	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	J-LOW
Chloroform	1.8	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	

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PO#:
Receipt: **9/16/22 10:20 @ 2.4** °C
Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **MW-32_09152022**
Lab ID: **22I1410-27**
Matrix: **Water**
Date Sampled: **9/15/22 10:00**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	37.2	mg/L	1.0	EPA 300.0	9/23/22	9/23/22	
Nitrate + Nitrite, Total, as N	< 0.100	mg/L	0.100	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	J-LOW
Chloroform	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	

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PO#:
Receipt: **9/16/22 10:20 @ 2.4** °C
Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-18_09142022**
Lab ID: **22I1410-23**
Matrix: **Water**
Date Sampled: **9/14/22 9:50**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	44.7	mg/L	1.0	EPA 300.0	9/23/22	9/23/22	
Nitrate + Nitrite, Total, as N	3.46	mg/L	0.500	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	J-LOW
Chloroform	60.6	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	

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Receipt: **9/1/22 11:10 @ 1.2** °C
Date Reported: 11/1/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-19_08302022**
Lab ID: **22I0046-12**
Matrix: **Water**
Date Sampled: **8/30/22 9:05**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	178	mg/L	5.00	EPA 300.0	9/8/22	9/9/22	
Nitrate + Nitrite, Total, as N	4.76	mg/L	0.100	EPA 353.2	9/7/22	9/7/22	
Volatile Organic Compounds							
Carbon Tetrachloride	2.5	ug/L	1.0	EPA 8260D /5030A	9/8/22	9/8/22	
Chloroform	4750	ug/L	100	EPA 8260D /5030A	9/8/22	9/8/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/8/22	9/8/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/8/22	9/8/22	

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Receipt: **9/1/22 11:10 @ 1.2** °C
Date Reported: 11/1/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-21_08302022**
Lab ID: **22I0046-05**
Matrix: **Water**
Date Sampled: **8/30/22 7:05**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	425	mg/L	5.00	EPA 300.0	9/8/22	9/9/22	
Nitrate + Nitrite, Total, as N	14.3	mg/L	0.500	EPA 353.2	9/7/22	9/7/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/7/22	9/7/22	
Chloroform	1070	ug/L	100	EPA 8260D /5030A	9/7/22	9/7/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/7/22	9/7/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/7/22	9/7/22	

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Date Reported: 11/1/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-22_08302022**
Lab ID: **22I0046-14**
Matrix: **Water**
Date Sampled: **8/30/22 7:35**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	637	mg/L	10.0	EPA 300.0	9/9/22	9/9/22	
Nitrate + Nitrite, Total, as N	69.9	mg/L	2.00	EPA 353.2	9/7/22	9/7/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/8/22	9/8/22	
Chloroform	3190	ug/L	100	EPA 8260D /5030A	9/8/22	9/8/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/8/22	9/8/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/8/22	9/8/22	

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Receipt: **9/16/22 10:20 @ 2.4** °C
Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-23_09142022**
Lab ID: **22I1410-14**
Matrix: **Water**
Date Sampled: **9/14/22 8:27**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	45.0	mg/L	1.0	EPA 300.0	9/22/22	9/23/22	
Nitrate + Nitrite, Total, as N	< 0.100	mg/L	0.100	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloroform	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	

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Date Reported: 11/1/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-24_08302022**
Matrix: **Water**
Date Sampled: **8/30/22 7:25**

Lab ID: **22I0046-02**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	868	mg/L	10.0	EPA 300.0	9/9/22	9/9/22	
Nitrate + Nitrite, Total, as N	32.0	mg/L	2.00	EPA 353.2	9/7/22	9/7/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/7/22	9/7/22	
Chloroform	88.9	ug/L	10.0	EPA 8260D /5030A	9/7/22	9/7/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/7/22	9/7/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/7/22	9/7/22	

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Date Reported: 11/1/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-25_08302022**
Lab ID: **22I0046-01**

Matrix: **Water**
Date Sampled: **8/30/22 7:15**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	82.5	mg/L	5.00	EPA 300.0	9/8/22	9/8/22	
Nitrate + Nitrite, Total, as N	1.51	mg/L	0.100	EPA 353.2	9/7/22	9/7/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/7/22	9/7/22	
Chloroform	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/7/22	9/7/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/7/22	9/7/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/7/22	9/7/22	

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Receipt: **9/16/22 10:20 @ 2.4** °C
Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-26_09152022**
Lab ID: **22I1410-32**
Matrix: **Water**
Date Sampled: **9/15/22 9:04**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	36.7	mg/L	1.0	EPA 300.0	9/23/22	9/24/22	
Nitrate + Nitrite, Total, as N	10.3	mg/L	0.500	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	J-LOW
Chloroform	930	ug/L	100	EPA 8260D /5030A	9/27/22	9/27/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	

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Receipt: **9/16/22 10:20 @ 2.4 °C**
Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-27_09142022**
Lab ID: **22I1410-18**
Matrix: **Water**
Date Sampled: **9/14/22 9:02**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	23.2	mg/L	1.0	EPA 300.0	9/23/22	9/23/22	
Nitrate + Nitrite, Total, as N	16.9	mg/L	0.500	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloroform	4.3	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	

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Receipt: **9/16/22 10:20 @ 2.4** °C
Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-28_09132022**
Lab ID: **22I1410-05**
Matrix: **Water**
Date Sampled: **9/13/22 7:38**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	58.5	mg/L	1.0	EPA 300.0	9/22/22	9/23/22	
Nitrate + Nitrite, Total, as N	16.2	mg/L	0.500	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloroform	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	

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Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-29_09152022**
Lab ID: **22I1410-30**
Matrix: **Water**
Date Sampled: **9/15/22 8:42**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	41.8	mg/L	1.0	EPA 300.0	9/23/22	9/24/22	
Nitrate + Nitrite, Total, as N	2.80	mg/L	0.500	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	J-LOW
Chloroform	591	ug/L	100	EPA 8260D /5030A	9/27/22	9/27/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	

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Receipt: **9/16/22 10:20 @ 2.4** °C
Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-30_09142022**
Lab ID: **22I1410-24**
Matrix: **Water**
Date Sampled: **9/14/22 10:00**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	30.5	mg/L	1.0	EPA 300.0	9/23/22	9/23/22	
Nitrate + Nitrite, Total, as N	2.61	mg/L	0.200	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	J-LOW
Chloroform	68.8	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	

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Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-31_09132022**
Lab ID: **22I1410-09**
Matrix: **Water**
Date Sampled: **9/13/22 8:11**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	40.0	mg/L	1.0	EPA 300.0	9/22/22	9/23/22	
Nitrate + Nitrite, Total, as N	0.396	mg/L	0.100	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloroform	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	

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Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-32_09132022**
Lab ID: **22I1410-06**

Matrix: **Water**
Date Sampled: **9/13/22 7:45**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	51.8	mg/L	1.0	EPA 300.0	9/22/22	9/23/22	
Nitrate + Nitrite, Total, as N	1.59	mg/L	0.500	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloroform	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	

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PO#:
Receipt: **9/16/22 10:20 @ 2.4** °C
Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-33_09142022**
Lab ID: **22I1410-22**

Matrix: **Water**
Date Sampled: **9/14/22 9:36**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	42.2	mg/L	1.0	EPA 300.0	9/23/22	9/23/22	
Nitrate + Nitrite, Total, as N	3.90	mg/L	0.200	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloroform	53.9	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	

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PO#:
Receipt: **9/16/22 10:20 @ 2.4 °C**
Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-34_09142022**
Lab ID: **22I1410-12**

Matrix: **Water**
Date Sampled: **9/14/22 8:11**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	18.8	mg/L	1.0	EPA 300.0	9/22/22	9/23/22	
Nitrate + Nitrite, Total, as N	0.788	mg/L	0.100	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloroform	1.2	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	

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Receipt: **9/16/22 10:20 @ 2.4 °C**
Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-35_09142022**
Lab ID: **22I1410-13**
Matrix: **Water**
Date Sampled: **9/14/22 8:19**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	34.4	mg/L	1.0	EPA 300.0	9/22/22	9/23/22	
Nitrate + Nitrite, Total, as N	1.61	mg/L	0.100	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloroform	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	

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Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-36_09132022**
Matrix: **Water**
Date Sampled: **9/13/22 8:05**

Lab ID: **22I1410-08**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	69.3	mg/L	1.0	EPA 300.0	9/22/22	9/23/22	
Nitrate + Nitrite, Total, as N	< 0.100	mg/L	0.100	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloroform	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	

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Receipt: **9/1/22 11:10 @ 1.2** °C
Date Reported: 11/1/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-37_08302022**
Lab ID: **22I0046-15**

Matrix: **Water**
Date Sampled: **8/30/22 7:42**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	243	mg/L	5.00	EPA 300.0	9/8/22	9/9/22	
Nitrate + Nitrite, Total, as N	26.6	mg/L	1.00	EPA 353.2	9/7/22	9/7/22	
Volatile Organic Compounds							
Carbon Tetrachloride	5.4	ug/L	1.0	EPA 8260D /5030A	9/8/22	9/8/22	
Chloroform	11600	ug/L	1000	EPA 8260D /5030A	9/8/22	9/8/22	
Chloromethane	2.4	ug/L	1.0	EPA 8260D /5030A	9/8/22	9/8/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/8/22	9/8/22	

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Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-38_09142022**
Lab ID: **22I1410-15**
Matrix: **Water**
Date Sampled: **9/14/22 8:35**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	32.9	mg/L	1.0	EPA 300.0	9/22/22	9/23/22	
Nitrate + Nitrite, Total, as N	7.57	mg/L	0.500	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloroform	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	

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Receipt: **9/1/22 11:10 @ 1.2 °C**
Date Reported: 11/1/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-39_08302022**

Lab ID: **22I0046-08**

Matrix: **Water**
Date Sampled: **8/30/22 7:50**

Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	85.2	mg/L	5.00	EPA 300.0	9/8/22	9/9/22	
Nitrate + Nitrite, Total, as N	3.72	mg/L	0.500	EPA 353.2	9/7/22	9/7/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/7/22	9/7/22	
Chloroform	843	ug/L	100	EPA 8260D /5030A	9/7/22	9/7/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/7/22	9/7/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/7/22	9/7/22	

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Date Reported: 11/1/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-40_08302022**
Lab ID: **22I0046-03**

Matrix: **Water**
Date Sampled: **8/30/22 9:12**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	39.3	mg/L	1.00	EPA 300.0	9/9/22	9/9/22	
Nitrate + Nitrite, Total, as N	2.22	mg/L	0.100	EPA 353.2	9/7/22	9/7/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/7/22	9/7/22	
Chloroform	302	ug/L	100	EPA 8260D /5030A	9/7/22	9/7/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/7/22	9/7/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/7/22	9/7/22	

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Date Reported: 11/1/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-41_08302022**
Lab ID: **22I0046-09**

Matrix: **Water**
Date Sampled: **8/30/22 8:52**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	41.9	mg/L	1.00	EPA 300.0	9/9/22	9/9/22	
Nitrate + Nitrite, Total, as N	5.92	mg/L	0.200	EPA 353.2	9/7/22	9/7/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/8/22	9/8/22	
Chloroform	1060	ug/L	100	EPA 8260D /5030A	9/8/22	9/8/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/8/22	9/8/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/8/22	9/8/22	

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Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-42_09132022**
Lab ID: **22I1410-03**
Matrix: **Water**
Date Sampled: **9/13/22 7:20**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	22.8	mg/L	1.0	EPA 300.0	9/20/22	9/21/22	
Nitrate + Nitrite, Total, as N	3.03	mg/L	0.100	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloroform	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	

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Receipt: **9/16/22 10:20 @ 2.4** °C
Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-43_09132022**
Lab ID: **22I1410-10**
Matrix: **Water**
Date Sampled: **9/13/22 8:18**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	43.1	mg/L	1.0	EPA 300.0	9/22/22	9/23/22	
Nitrate + Nitrite, Total, as N	0.383	mg/L	0.100	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloroform	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	

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Date Reported: 11/1/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-60_08302022**
Lab ID: **22I0046-16**

Matrix: **Water**
Date Sampled: **8/30/22 9:45**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	< 1.00	mg/L	1.00	EPA 300.0	9/9/22	9/9/22	
Nitrate + Nitrite, Total, as N	< 0.100	mg/L	0.100	EPA 353.2	9/7/22	9/7/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/12/22	9/12/22	J-LOW-C
Chloroform	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/12/22	9/12/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/12/22	9/12/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/12/22	9/12/22	

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Receipt: **9/16/22 10:20 @ 2.4** °C
Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-65_09132022**
Lab ID: **22I1410-11**

Matrix: **Water**
Date Sampled: **9/13/22 7:45**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	53.6	mg/L	1.0	EPA 300.0	9/22/22	9/23/22	
Nitrate + Nitrite, Total, as N	1.81	mg/L	0.500	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloroform	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	

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Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-70_09142022**
Lab ID: **22I1410-25**
Matrix: **Water**
Date Sampled: **9/14/22 9:10**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	32.4	mg/L	1.0	EPA 300.0	9/23/22	9/23/22	
Nitrate + Nitrite, Total, as N	0.660	mg/L	0.100	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	J-LOW
Chloroform	8.7	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	

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Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **TW4-75_09152022**
Lab ID: **22I1410-33**
Matrix: **Water**
Date Sampled: **9/15/22 8:42**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Inorganic							
Chloride	42.0	mg/L	1.0	EPA 300.0	9/23/22	9/24/22	
Nitrate + Nitrite, Total, as N	2.76	mg/L	0.100	EPA 353.2	9/23/22	9/23/22	
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	J-LOW
Chloroform	608	ug/L	100	EPA 8260D /5030A	9/27/22	9/27/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/27/22	9/27/22	

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Receipt: **9/1/22 11:10 @ 1.2** °C
Date Reported: 11/1/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **Trip Blank**
Matrix: **Water**
Date Sampled: **8/30/22 7:05**
Sampled By: **Tanner Holliday**
Lab ID: **22I0046-17**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/8/22	9/8/22	
Chloroform	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/8/22	9/8/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/8/22	9/8/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/8/22	9/8/22	

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Certificate of Analysis

Energy Fuels Resources, Inc.
Tanner Holliday
6425 South Highway 191
Blanding, UT 84511

PO#:
Receipt: **9/16/22 10:20 @ 2.4** °C
Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Sample ID: **Trip Blank**

Matrix: **Water**
Lab ID: **22I1410-34**
Date Sampled: **9/12/22 11:00**
Sampled By: **Tanner Holliday**

	Result	Units	Minimum Reporting Limit	Method	Preparation Date/Time	Analysis Date/Time	Flag(s)
Volatile Organic Compounds							
Carbon Tetrachloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloroform	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Chloromethane	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	
Methylene Chloride	< 1.0	ug/L	1.0	EPA 8260D /5030A	9/26/22	9/26/22	

CHEMTECH-FORD
LABORATORIES

Amended

11/1/2022

Work Order: 2210046
Project: 3rd Quarter Chloroform 2022

Energy Fuels Resources, Inc.
Attn: Tanner Holliday
6425 South Highway 191
Blanding, UT 84511

Client Service Contact: 801.262.7299

The analyses presented on this report were performed in accordance with the National Environmental Laboratory Accreditation Program (NELAP) unless noted in the comments, flags, or case narrative. If the report is to be used for regulatory compliance, it should be presented in its entirety, and not be altered.

NELAP ACCREDITED TNI LABORATORY

Approved By:

Melissa Connolly, Project Manager

CHEMTECH-FORD
LABORATORIES

Energy Fuels Resources, Inc.
Project: 3rd Quarter Chloroform 2022
Project Manager: Tanner Holliday

Laboratory ID	Sample Name
22I0046-01	TW4-25_08302022
22I0046-02	TW4-24_08302022
22I0046-03	TW4-40_08302022
22I0046-04	MW-26_08302022
22I0046-05	TW4-21_08302022
22I0046-06	TW4-02_08302022
22I0046-07	TW4-01_08302022
22I0046-08	TW4-39_08302022
22I0046-09	TW4-41_08302022
22I0046-10	MW-04_08302022
22I0046-11	TW4-04_08302022
22I0046-12	TW4-19_08302022
22I0046-13	TW4-11_08302022
22I0046-14	TW4-22_08302022
22I0046-15	TW4-37_08302022
22I0046-16	TW4-60_08302022
22I0046-17	Trip Blank

Amended Work Order Report Narrative

Report Changes
The footnotes have been clarified on sample 22I0046-16 and QC samples associated with batch BWI0568 for method 8260D. The CCV for Carbon Tetrachloride exceeded (low) the control limit for the CCV. The LCS was within limits.

Sample Preparation
All samples were prepared within method specified holding times. No preparation issues were noted.

Method Blanks
All blank values were within method acceptance criteria. No blank values exceeded the minimum reporting limit for any analysis in this work order.

Laboratory Control Samples
All laboratory control samples were within method acceptance criteria.

Method Spikes
All method spike recoveries were within method acceptance criteria, except as noted by qualifying flags.

Method Spike Duplicates
All method spike duplicates were within method acceptance criteria, except as noted by qualifying flags.

Corrective Actions
There are no corrective actions associated with this work order.

CHEMTECH-FORD LABORATORIES

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Amended **Certificate of Analysis** ***Amended***

Energy Fuels Resources, Inc.
Tanner Holliday
6425 South Highway 191
Blanding, UT 84511

PO#:
Receipt: **9/1/22 11:10 @ 1.2** °C
Date Reported: 11/1/2022
Project Name: **3rd Quarter Chloroform 2022**

Report Footnotes

Abbreviations

ND = Not detected at the corresponding Minimum Reporting Limit (MRL).
1 mg/L = one milligram per liter or 1 mg/kg = one milligram per kilogram = 1 part per million.
1 ug/L = one microgram per liter or 1 ug/kg = one microgram per kilogram = 1 part per billion.
1 ng/L = one nanogram per liter or 1 ng/kg = one nanogram per kilogram = 1 part per trillion.

Flag Descriptions

J-LOW-C = Estimated low due to low recovery of CCV

American West
Analytical Laboratories
463 W. 3600 S. Salt Lake City, UT 84115
Phone # (801) 263-8686 Toll Free # (888) 263-8686
Fax # (801) 263-8687 Email awal@awal-labs.com
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CHAIN OF CUSTODY

22I0046
AWAL Lab Sample Set #
Page 1 of 2

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

QC Level:	Turn Around Time:	Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.	Due Date:
3	Standard		

Client: Energy Fuels Resources, Inc.
Address: 6425 S. Hwy. 191
Blanding, UT 84511
Contact: Tanner Holliday
Phone #: (435) 678-2221 Cell #:
Email: tholliday@energyfuels.com; KWeinel@energyfuels.com
Project Name: 3rd Quarter Chloroform 2022
Project #:
PO #:
Sampler Name: Tanner Holliday

X Include EDD:
LOCUS UPLOAD
EXCEL
Field Filtered For:

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 1.2 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

	22I0046 Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	Cl (4500 or 300.0)	VOCs (8260C)	Known Hazards & Sample Comments
1	TW4-25_08302022	8/30/2022	715	5	W	X	X	X	Hp - AWAL
2	TW4-24_08302022	8/30/2022	725	5	W	X	X	X	N - AWAL
3	TW4-40_08302022	8/30/2022	912	5	W	X	X	X	w(3) - AWAL
4	MW-26_08302022	8/30/2022	800	5	W	X	X	X	
5	TW4-21_08302022	8/30/2022	705	5	W	X	X	X	
6	TW4-02_08302022	8/30/2022	815	5	W	X	X	X	
7	TW4-01_08302022	8/30/2022	832	5	W	X	X	X	
8	TW4-39_08302022	8/30/2022	750	5	W	X	X	X	
9	TW4-41_08302022	8/30/2022	852	5	W	X	X	X	
10	MW-04_08302022	8/30/2022	825	5	W	X	X	X	
11	TW4-04_08302022	8/30/2022	900	5	W	X	X	X	
12	TW4-19_08302022	8/30/2022	925	5	W	X	X	X	
13	TW4-11_08302022	8/30/2022	807	5	W	X	X	X	

COC Tape Was:
1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by: Signature: Tanner Holliday	Date: 8/31/2022	Received by: Signature	Date:
Print Name: Tanner Holliday	Time: 1100	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature: Elma Hayes	Date: 9/1/22
Print Name:	Time:	Print Name: Elma Hayes	Time: 1110
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:

Special Instructions:

See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

UPS GROUND
TRACKING #: 1Z 187 Y4Y 03 9289 0736

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Analytical Laboratories
463 W. 3600 S. Salt Lake City, UT 84115
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CHAIN OF CUSTODY

22I0046
AWAL Lab Sample Set #
Page 2 of 2

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

QC Level:	Turn Around Time:	Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.	Due Date:
3	Standard		

Client: Energy Fuels Resources, Inc.
Address: 6425 S. Hwy. 191
Blanding, UT 84511
Contact: Tanner Holliday
Phone #: (435) 678-2221 Cell #:
Email: tholliday@energyfuels.com; KWeinel@energyfuels.com
Project Name: 3rd Quarter Chloroform 2022
Project #:
PO #:
Sampler Name: Tanner Holliday

X Include EDD:
LOCUS UPLOAD
EXCEL
Field Filtered For:

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	Cl (4500 or 300.0)	VOCs (8260C)	Known Hazards & Sample Comments
14	TW4-22_08302022	8/30/2022	735	5	W	X	X	X	
15	TW4-37_08302022	8/30/2022	742	5	W	X	X	X	
16	TW4-60_08302022	8/30/2022	945	5	W	X	X	X	
17	TRIP BLANK	8/30/2022	705	3	W			X	
18									
19									
20									
21									
22									
23									
24									
25									
26									

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 1.2 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

COC Tape Was:
1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by: Signature: Tanner Holliday	Date: 8/31/2022	Received by: Signature	Date:
Print Name: Tanner Holliday	Time: 1100	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature: Caitlin Hayward	Date: 9/1/22 Time: 1110
Print Name:	Time:	Print Name: Caitlin Hayward	
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:

Special Instructions:

See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

QC Report for Work Order (WO) - 22I0046

Analyte	% Rec	RPD	Limits	RPD Max	Result	Source Conc	Spk Value	MRL	DF
Blank - EPA 300.0									
QC Sample ID: BWI0373-BLK1	Batch: BWI0373								
Date Prepared: 09/08/2022	Date Analyzed: 09/08/2022				Units: mg/L				
Chloride					ND			1.00	1.00
QC Sample ID: BWI0385-BLK1	Batch: BWI0385								
Date Prepared: 09/08/2022	Date Analyzed: 09/09/2022				Units: mg/L				
Chloride					ND			1.00	1.00
QC Sample ID: BWI0471-BLK1	Batch: BWI0471								
Date Prepared: 09/09/2022	Date Analyzed: 09/09/2022				Units: mg/L				
Chloride					ND			1.00	1.00
LCS - EPA 300.0									
QC Sample ID: BWI0373-BS1	Batch: BWI0373								
Date Prepared: 09/08/2022	Date Analyzed: 09/08/2022				Units: mg/L				
Chloride	101		90 - 110		50.5		50.0	1.00	1.00
QC Sample ID: BWI0385-BS1	Batch: BWI0385								
Date Prepared: 09/08/2022	Date Analyzed: 09/09/2022				Units: mg/L				
Chloride	101		90 - 110		50.5		50.0	1.00	1.00
QC Sample ID: BWI0471-BS1	Batch: BWI0471								
Date Prepared: 09/09/2022	Date Analyzed: 09/10/2022				Units: mg/L				
Chloride	101		90 - 110		50.7		50.0	1.00	1.00
Matrix Spike - EPA 300.0									
QC Sample ID: BWI0373-MS1	Batch: BWI0373				QC Source Sample: 22I0046-01				
Date Prepared: 09/08/2022	Date Analyzed: 09/08/2022				Units: mg/L				
Chloride	96.6		80 - 120		131	82.5	50.0	5.50	1.00
QC Sample ID: BWI0373-MS2	Batch: BWI0373				QC Source Sample: 22I0046-02				
Date Prepared: 09/08/2022	Date Analyzed: 09/09/2022				Units: mg/L				
Chloride	58.5		80 - 120		888	859	50.0	5.50	1.00

E - The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).

QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

QC Sample ID: BWI0385-MS1	Batch: BWI0385				QC Source Sample: XXXXXXX-XX				
Date Prepared: 09/08/2022	Date Analyzed: 09/09/2022				Units: mg/L				
Chloride	107		80 - 120		151	43.9	100	11.0	1.00
QC Sample ID: BWI0385-MS2	Batch: BWI0385				QC Source Sample: XXXXXXX-XX				
Date Prepared: 09/08/2022	Date Analyzed: 09/09/2022				Units: mg/L				
Chloride	105		80 - 120		112	7.50	100	11.0	1.00
QC Sample ID: BWI0471-MS1	Batch: BWI0471				QC Source Sample: XXXXXXX-XX				
Date Prepared: 09/09/2022	Date Analyzed: 09/09/2022				Units: mg/L				
Chloride	124		80 - 120		124		100	11.0	1.00
QC Sample ID: BWI0471-MS2	Batch: BWI0471				QC Source Sample: XXXXXXX-XX				
Date Prepared: 09/09/2022	Date Analyzed: 09/09/2022				Units: mg/L				
Chloride	112		80 - 120		112		100	11.0	1.00
Matrix Spike Dup - EPA 300.0									
QC Sample ID: BWI0373-MSD1	Batch: BWI0373				QC Source Sample: 22I0046-01				
Date Prepared: 09/08/2022	Date Analyzed: 09/08/2022				Units: mg/L				
Chloride	99.9	1.23	80 - 120	20	132	82.5	50.0	5.50	1.00

Matrix Spike Dup - EPA 300.0 (cont.)

Analyte	% Rec	RPD	Limits	RPD Max	Result	Source Conc	Spk Value	MRL	DF
QC Sample ID: BWI0373-MSD2	Batch: BWI0373		QC Source Sample: 22I0046-02						
Date Prepared: 09/08/2022	Date Analyzed: 09/09/2022					Units: mg/L			
Chloride	64.4	0.332	80 - 120	20	891	859	50.0	5.50	1.00

E - The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate (CLP E-flag).

QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.

QC Sample ID: BWI0385-MSD1	Batch: BWI0385		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/08/2022	Date Analyzed: 09/09/2022					Units: mg/L			
Chloride	105	1.03	80 - 120	20	149	43.9	100	11.0	1.00
QC Sample ID: BWI0385-MSD2	Batch: BWI0385		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/08/2022	Date Analyzed: 09/09/2022					Units: mg/L			
Chloride	104	0.200	80 - 120	20	112	7.50	100	11.0	1.00
QC Sample ID: BWI0471-MSD1	Batch: BWI0471		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/09/2022	Date Analyzed: 09/09/2022					Units: mg/L			
Chloride	123	0.361	80 - 120	20	123		100	11.0	1.00
QC Sample ID: BWI0471-MSD2	Batch: BWI0471		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/09/2022	Date Analyzed: 09/09/2022					Units: mg/L			
Chloride	111	0.382	80 - 120	20	111		100	11.0	1.00

QC Report for Work Order (WO) - 22I0046

Analyte	% Rec	RPD	Limits	RPD Max	Result	Source Conc	Spk Value	MRL	DF
Blank - EPA 353.2									
QC Sample ID: BWI0263-BLK1	Batch: BWI0263								
Date Prepared: 09/07/2022	Date Analyzed: 09/07/2022					Units: mg/L			
Nitrate + Nitrite, Total, as N					ND			0.100	1.00
QC Sample ID: BWI0264-BLK1	Batch: BWI0264								
Date Prepared: 09/07/2022	Date Analyzed: 09/07/2022					Units: mg/L			
Nitrate + Nitrite, Total, as N					ND			0.100	1.00
LCS - EPA 353.2									
QC Sample ID: BWI0263-BS1	Batch: BWI0263								
Date Prepared: 09/07/2022	Date Analyzed: 09/07/2022					Units: mg/L			
Nitrate + Nitrite, Total, as N	99.0		80 - 120		1.98		2.00	0.100	1.00
QC Sample ID: BWI0264-BS1	Batch: BWI0264								
Date Prepared: 09/07/2022	Date Analyzed: 09/07/2022					Units: mg/L			
Nitrate + Nitrite, Total, as N	103		80 - 120		2.06		2.00	0.100	1.00
Matrix Spike - EPA 353.2									
QC Sample ID: BWI0263-MS1	Batch: BWI0263			QC Source Sample: 22I0046-01					
Date Prepared: 09/07/2022	Date Analyzed: 09/07/2022					Units: mg/L			
Nitrate + Nitrite, Total, as N	79.1		80 - 120		2.30	1.51	1.00	0.100	1.00
QM-010 - The MS recovery was outside acceptance limits but passed Duplicate Spike acceptance limits. The batch was accepted based on the acceptability of the MSD as the batch Spike.									
QC Sample ID: BWI0263-MS2	Batch: BWI0263			QC Source Sample: XXXXXXX-XX					
Date Prepared: 09/07/2022	Date Analyzed: 09/07/2022					Units: mg/L			
Nitrate + Nitrite, Total, as N	91.4		80 - 120		10.7	9.75	1.00	0.500	5.00
QC Sample ID: BWI0264-MS1	Batch: BWI0264			QC Source Sample: XXXXXXX-XX					
Date Prepared: 09/07/2022	Date Analyzed: 09/07/2022					Units: mg/L			
Nitrate + Nitrite, Total, as N	96.5		80 - 120		1.06	0.0930	1.00	0.100	1.00
Matrix Spike Dup - EPA 353.2									
QC Sample ID: BWI0263-MSD1	Batch: BWI0263			QC Source Sample: 22I0046-01					
Date Prepared: 09/07/2022	Date Analyzed: 09/07/2022					Units: mg/L			
Nitrate + Nitrite, Total, as N	94.7	6.56	80 - 120	20	2.46	1.51	1.00	0.100	1.00
QC Sample ID: BWI0263-MSD2	Batch: BWI0263			QC Source Sample: XXXXXXX-XX					
Date Prepared: 09/07/2022	Date Analyzed: 09/07/2022					Units: mg/L			
Nitrate + Nitrite, Total, as N	95.6	0.393	80 - 120	20	10.7	9.75	1.00	0.500	5.00
QC Sample ID: BWI0264-MSD1	Batch: BWI0264			QC Source Sample: XXXXXXX-XX					
Date Prepared: 09/07/2022	Date Analyzed: 09/07/2022					Units: mg/L			
Nitrate + Nitrite, Total, as N	92.6	3.76	80 - 120	20	1.02	0.0930	1.00	0.100	1.00

Analyte	% Rec	RPD	Limits	RPD Max	Result	Source Conc	Spk Value	MRL	DF
Blank - EPA 8260D /5030A									
QC Sample ID: BWI0338-BLK1	Batch: BWI0338								
Date Prepared: 09/07/2022	Date Analyzed: 09/07/2022				Units: ug/L				
Carbon Tetrachloride					ND			1.0	1.00
Chloroform					ND			1.0	1.00
Chloromethane					ND			1.0	1.00
Methylene Chloride					ND			1.0	1.00
QC Sample ID: BWI0424-BLK1	Batch: BWI0424								
Date Prepared: 09/08/2022	Date Analyzed: 09/08/2022				Units: ug/L				
Carbon Tetrachloride					ND			1.0	1.00
Chloroform					ND			1.0	1.00
Chloromethane					ND			1.0	1.00
Methylene Chloride					ND			1.0	1.00
QC Sample ID: BWI0568-BLK1	Batch: BWI0568								
Date Prepared: 09/12/2022	Date Analyzed: 09/12/2022				Units: ug/L				
Carbon Tetrachloride					ND			1.0	1.00
J-LOW-C - Estimated low due to low recovery of CCV									
Chloroform					ND			1.0	1.00
Chloromethane					ND			1.0	1.00
Methylene Chloride					ND			1.0	1.00
LCS - EPA 8260D /5030A									
QC Sample ID: BWI0338-BS1	Batch: BWI0338								
Date Prepared: 09/07/2022	Date Analyzed: 09/07/2022				Units: ug/L				
Carbon Tetrachloride	109	70 - 130			10.9		10.0	1.0	1.00
Chloroform	101	70 - 130			10.1		10.0	1.0	1.00
Chloromethane	88.0	70 - 130			8.80		10.0	1.0	1.00
Methylene Chloride	96.7	70 - 130			9.67		10.0	1.0	1.00
QC Sample ID: BWI0424-BS1	Batch: BWI0424								
Date Prepared: 09/08/2022	Date Analyzed: 09/08/2022				Units: ug/L				
Carbon Tetrachloride	81.4	70 - 130			8.14		10.0	1.0	1.00
Chloroform	86.0	70 - 130			8.60		10.0	1.0	1.00
Chloromethane	72.5	70 - 130			7.25		10.0	1.0	1.00
Methylene Chloride	86.9	70 - 130			8.69		10.0	1.0	1.00
QC Sample ID: BWI0568-BS1	Batch: BWI0568								
Date Prepared: 09/12/2022	Date Analyzed: 09/12/2022				Units: ug/L				
Carbon Tetrachloride	71.8	70 - 130			7.18		10.0	1.0	1.00
J-LOW-C - Estimated low due to low recovery of CCV									
Chloroform	94.8	70 - 130			9.48		10.0	1.0	1.00
Chloromethane	95.1	70 - 130			9.51		10.0	1.0	1.00
Methylene Chloride	95.9	70 - 130			9.59		10.0	1.0	1.00
Matrix Spike - EPA 8260D /5030A									
QC Sample ID: BWI0338-MS1	Batch: BWI0338			QC Source Sample: 22I0046-01					
Date Prepared: 09/07/2022	Date Analyzed: 09/07/2022				Units: ug/L				
Carbon Tetrachloride	87.6	70 - 130			43.8	ND	50.0	5.0	1.00
Chloroform	91.1	70 - 130			45.6	ND	50.0	5.0	1.00
Chloromethane	80.0	70 - 130			40.0	ND	50.0	5.0	1.00
Methylene Chloride	89.0	70 - 130			44.5	ND	50.0	5.0	1.00
QC Sample ID: BWI0424-MS1	Batch: BWI0424			QC Source Sample: XXXXXXX-XX					
Date Prepared: 09/08/2022	Date Analyzed: 09/08/2022				Units: ug/L				
Carbon Tetrachloride	68.7	70 - 130			34.4	ND	50.0	5.0	1.00

Analyte	% Rec	RPD	Limits	RPD Max	Result	Source Conc	Spk Value	MRL	DF
Matrix Spike - EPA 8260D /5030A (cont.)									
QC Sample ID: BWI0424-MS1	Batch: BWI0424		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/08/2022	Date Analyzed: 09/08/2022					Units: ug/L			
MS-Low - Estimated low due to Matrix Spike recovery.									
Chloroform	81.8		70 - 130		40.9	ND	50.0	5.0	1.00
Chloromethane	68.3		70 - 130		34.2	ND	50.0	5.0	1.00
MS-Low - Estimated low due to Matrix Spike recovery.									
Methylene Chloride	80.5		70 - 130		40.2	ND	50.0	5.0	1.00
QC Sample ID: BWI0568-MS1	Batch: BWI0568		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/12/2022	Date Analyzed: 09/12/2022					Units: ug/L			
Carbon Tetrachloride	49.0		70 - 130		24.5	ND	50.0	5.0	1.00
MS-Low - Estimated low due to Matrix Spike recovery.									
Chloroform	85.2		70 - 130		42.6	ND	50.0	5.0	1.00
Chloromethane	71.5		70 - 130		35.8	ND	50.0	5.0	1.00
Methylene Chloride	89.4		70 - 130		44.7	ND	50.0	5.0	1.00
Matrix Spike Dup - EPA 8260D /5030A									
QC Sample ID: BWI0338-MSD1	Batch: BWI0338		QC Source Sample: 22I0046-01						
Date Prepared: 09/07/2022	Date Analyzed: 09/07/2022					Units: ug/L			
Carbon Tetrachloride	88.0	0.456	70 - 130	20	44.0	ND	50.0	5.0	1.00
Chloroform	90.5	0.661	70 - 130	20	45.2	ND	50.0	5.0	1.00
Chloromethane	79.2	1.01	70 - 130	20	39.6	ND	50.0	5.0	1.00
Methylene Chloride	86.7	2.62	70 - 130	20	43.4	ND	50.0	5.0	1.00
QC Sample ID: BWI0424-MSD1	Batch: BWI0424		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/08/2022	Date Analyzed: 09/08/2022					Units: ug/L			
Carbon Tetrachloride	60.7	12.4	70 - 130	20	30.4	ND	50.0	5.0	1.00
MS-Low - Estimated low due to Matrix Spike recovery.									
Chloroform	71.9	12.9	70 - 130	20	36.0	ND	50.0	5.0	1.00
Chloromethane	60.7	11.8	70 - 130	20	30.4	ND	50.0	5.0	1.00
MS-Low - Estimated low due to Matrix Spike recovery.									
Methylene Chloride	76.1	5.62	70 - 130	20	38.0	ND	50.0	5.0	1.00
QC Sample ID: BWI0568-MSD1	Batch: BWI0568		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/12/2022	Date Analyzed: 09/12/2022					Units: ug/L			
Carbon Tetrachloride	35.3	32.5	70 - 130	20	17.6	ND	50.0	5.0	1.00
MS-Low - Estimated low due to Matrix Spike recovery.									
Chloroform	81.3	4.68	70 - 130	20	40.6	ND	50.0	5.0	1.00
Chloromethane	64.1	10.9	70 - 130	20	32.0	ND	50.0	5.0	1.00
MS-Low - Estimated low due to Matrix Spike recovery.									
Methylene Chloride	86.8	2.95	70 - 130	20	43.4	ND	50.0	5.0	1.00

Surrogates Report for Work Order (WO) - 22I0046

QC ID	Analyte	% Rec	LCL	UCL	Result	Spk Value	Batch	DF
Blank - EPA 8260D /5030A								
BWI0338-BLK1	1,2-Dichloroethane-d4	99.7	64.2	126	9.97	10.0	BWI0338	1.00
BWI0338-BLK1	4-Bromofluorobenzene	101	71.4	125	10.1	10.0	BWI0338	1.00
BWI0338-BLK1	Toluene-d8	100	63.2	129	10.0	10.0	BWI0338	1.00
BWI0424-BLK1	1,2-Dichloroethane-d4	90.6	64.2	126	9.06	10.0	BWI0424	1.00
BWI0424-BLK1	4-Bromofluorobenzene	100	71.4	125	10.0	10.0	BWI0424	1.00
BWI0424-BLK1	Toluene-d8	98.0	63.2	129	9.80	10.0	BWI0424	1.00
BWI0568-BLK1	1,2-Dichloroethane-d4	91.0	64.2	126	9.10	10.0	BWI0568	1.00
BWI0568-BLK1	4-Bromofluorobenzene	100	71.4	125	10.0	10.0	BWI0568	1.00
BWI0568-BLK1	Toluene-d8	98.0	63.2	129	9.80	10.0	BWI0568	1.00
LCS - EPA 8260D /5030A								
BWI0338-BS1	1,2-Dichloroethane-d4	101	64.2	126	10.1	10.0	BWI0338	1.00
BWI0338-BS1	4-Bromofluorobenzene	101	71.4	125	10.1	10.0	BWI0338	1.00
BWI0338-BS1	Toluene-d8	100	63.2	129	10.0	10.0	BWI0338	1.00
BWI0424-BS1	1,2-Dichloroethane-d4	94.4	64.2	126	9.44	10.0	BWI0424	1.00
BWI0424-BS1	4-Bromofluorobenzene	98.6	71.4	125	9.86	10.0	BWI0424	1.00
BWI0424-BS1	Toluene-d8	98.7	63.2	129	9.87	10.0	BWI0424	1.00
BWI0568-BS1	1,2-Dichloroethane-d4	92.3	64.2	126	9.23	10.0	BWI0568	1.00
BWI0568-BS1	4-Bromofluorobenzene	99.7	71.4	125	9.97	10.0	BWI0568	1.00
BWI0568-BS1	Toluene-d8	100	63.2	129	10.0	10.0	BWI0568	1.00
Matrix Spike - EPA 8260D /5030A								
BWI0338-MS1	1,2-Dichloroethane-d4	95.8	64.2	126	47.9	50.0	BWI0338	1.00
BWI0338-MS1	4-Bromofluorobenzene	102	71.4	125	50.9	50.0	BWI0338	1.00
BWI0338-MS1	Toluene-d8	99.6	63.2	129	49.8	50.0	BWI0338	1.00
BWI0424-MS1	1,2-Dichloroethane-d4	92.2	64.2	126	46.1	50.0	BWI0424	1.00
BWI0424-MS1	4-Bromofluorobenzene	99.3	71.4	125	49.6	50.0	BWI0424	1.00
BWI0424-MS1	Toluene-d8	100	63.2	129	50.0	50.0	BWI0424	1.00
BWI0568-MS1	1,2-Dichloroethane-d4	96.6	64.2	126	48.3	50.0	BWI0568	1.00
BWI0568-MS1	4-Bromofluorobenzene	99.9	71.4	125	50.0	50.0	BWI0568	1.00
BWI0568-MS1	Toluene-d8	100	63.2	129	50.0	50.0	BWI0568	1.00
Matrix Spike Dup - EPA 8260D /5030A								
BWI0338-MSD1	1,2-Dichloroethane-d4	99.1	64.2	126	49.6	50.0	BWI0338	1.00
BWI0338-MSD1	4-Bromofluorobenzene	104	71.4	125	51.9	50.0	BWI0338	1.00
BWI0338-MSD1	Toluene-d8	99.3	63.2	129	49.6	50.0	BWI0338	1.00
BWI0424-MSD1	1,2-Dichloroethane-d4	94.2	64.2	126	47.1	50.0	BWI0424	1.00
BWI0424-MSD1	4-Bromofluorobenzene	100	71.4	125	50.1	50.0	BWI0424	1.00
BWI0424-MSD1	Toluene-d8	100	63.2	129	50.0	50.0	BWI0424	1.00
BWI0568-MSD1	1,2-Dichloroethane-d4	93.0	64.2	126	46.5	50.0	BWI0568	1.00
BWI0568-MSD1	4-Bromofluorobenzene	101	71.4	125	50.7	50.0	BWI0568	1.00
BWI0568-MSD1	Toluene-d8	100	63.2	129	50.0	50.0	BWI0568	1.00

Surrogate Recoveries (Field Samples)

LabNumber	Analyte	Result	SpkLvl	%Rec	LCL	UCL	Qualifier
8260 Low Level Volatiles							
22I0046-01	4-Bromofluorobenzene	9.95	10.0	99.5	71.4	125	
22I0046-01	Toluene-d8	10.0	10.0	100	63.2	129	
22I0046-01	1,2-Dichloroethane-d4	9.54	10.0	95.4	64.2	126	
8260 Low Level Volatiles							
22I0046-02	1,2-Dichloroethane-d4	9.39	10.0	93.9	64.2	126	
22I0046-02	4-Bromofluorobenzene	10.2	10.0	102	71.4	125	
22I0046-02	Toluene-d8	10.0	10.0	100	63.2	129	
8260 Low Level Volatiles							
22I0046-03	4-Bromofluorobenzene	10.2	10.0	102	71.4	125	
22I0046-03	Toluene-d8	10.0	10.0	100	63.2	129	
22I0046-03	1,2-Dichloroethane-d4	9.67	10.0	96.7	64.2	126	
8260 Low Level Volatiles							
22I0046-04	Toluene-d8	10.0	10.0	100	63.2	129	
22I0046-04	4-Bromofluorobenzene	10.4	10.0	104	71.4	125	
22I0046-04	1,2-Dichloroethane-d4	9.69	10.0	96.9	64.2	126	
8260 Low Level Volatiles							
22I0046-05	Toluene-d8	10.0	10.0	100	63.2	129	
22I0046-05	4-Bromofluorobenzene	10.1	10.0	101	71.4	125	
22I0046-05	1,2-Dichloroethane-d4	9.99	10.0	99.9	64.2	126	
8260 Low Level Volatiles							
22I0046-06	1,2-Dichloroethane-d4	9.88	10.0	98.8	64.2	126	
22I0046-06	4-Bromofluorobenzene	10.4	10.0	104	71.4	125	
22I0046-06	Toluene-d8	9.94	10.0	99.4	63.2	129	
8260 Low Level Volatiles							
22I0046-07	Toluene-d8	10.0	10.0	100	63.2	129	
22I0046-07	1,2-Dichloroethane-d4	10.1	10.0	101	64.2	126	
22I0046-07	4-Bromofluorobenzene	10.0	10.0	100	71.4	125	
8260 Low Level Volatiles							
22I0046-08	4-Bromofluorobenzene	10.0	10.0	100	71.4	125	
22I0046-08	Toluene-d8	10.0	10.0	100	63.2	129	

22I0046-08	1,2-Dichloroethane-d4	9.57	10.0	95.7	64.2	126
8260 Low Level Volatiles						
22I0046-09	1,2-Dichloroethane-d4	8.81	10.0	88.1	64.2	126
22I0046-09	4-Bromofluorobenzene	10.3	10.0	103	71.4	125
22I0046-09	Toluene-d8	10.0	10.0	100	63.2	129
8260 Low Level Volatiles						
22I0046-10	Toluene-d8	9.89	10.0	98.9	63.2	129
22I0046-10	4-Bromofluorobenzene	10.1	10.0	101	71.4	125
22I0046-10	1,2-Dichloroethane-d4	9.30	10.0	93.0	64.2	126
8260 Low Level Volatiles						
22I0046-11	Toluene-d8	10.0	10.0	100	63.2	129
22I0046-11	4-Bromofluorobenzene	10.2	10.0	102	71.4	125
22I0046-11	1,2-Dichloroethane-d4	8.91	10.0	89.1	64.2	126
8260 Low Level Volatiles						
22I0046-12	1,2-Dichloroethane-d4	9.62	10.0	96.2	64.2	126
22I0046-12	4-Bromofluorobenzene	9.87	10.0	98.7	71.4	125
22I0046-12	Toluene-d8	10.0	10.0	100	63.2	129
8260 Low Level Volatiles						
22I0046-13	Toluene-d8	10.0	10.0	100	63.2	129
22I0046-13	4-Bromofluorobenzene	10.1	10.0	101	71.4	125
22I0046-13	1,2-Dichloroethane-d4	9.79	10.0	97.9	64.2	126
8260 Low Level Volatiles						
22I0046-14	1,2-Dichloroethane-d4	9.31	10.0	93.1	64.2	126
22I0046-14	4-Bromofluorobenzene	10.3	10.0	103	71.4	125
22I0046-14	Toluene-d8	10.0	10.0	100	63.2	129
8260 Low Level Volatiles						
22I0046-15	1,2-Dichloroethane-d4	9.89	10.0	98.9	64.2	126
22I0046-15	4-Bromofluorobenzene	10.2	10.0	102	71.4	125
22I0046-15	Toluene-d8	10.0	10.0	100	63.2	129
8260 Low Level Volatiles						
22I0046-16	1,2-Dichloroethane-d4	9.27	10.0	92.7	64.2	126
22I0046-16	4-Bromofluorobenzene	10.0	10.0	100	71.4	125
22I0046-16	Toluene-d8	10.0	10.0	100	63.2	129

	8260 Low Level Volatiles					
22I0046-17	Toluene-d8	9.85	10.0	98.5	63.2	129
22I0046-17	1,2-Dichloroethane-d4	9.59	10.0	95.9	64.2	126
22I0046-17	4-Bromofluorobenzene	10.3	10.0	103	71.4	125

CHEMTECH-FORD
LABORATORIES

9/29/2022

Work Order: 2211410
Project: 3rd Quarter Chloroform 2022

Energy Fuels Resources, Inc.
Attn: Tanner Holliday
6425 South Highway 191
Blanding, UT 84511

Client Service Contact: 801.262.7299

The analyses presented on this report were performed in accordance with the National Environmental Laboratory Accreditation Program (NELAP) unless noted in the comments, flags, or case narrative. If the report is to be used for regulatory compliance, it should be presented in its entirety, and not be altered.

NELAP ACCREDITED TNI LABORATORY

Approved By:

Melissa Connolly, Project Manager

CHEMTECH-FORD
LABORATORIES

Energy Fuels Resources, Inc.

Project: 3rd Quarter Chloroform 2022
Project Manager: Tanner Holliday

Laboratory ID	Sample Name
22I1410-01	TW4-03R_09122022
22I1410-02	TW4-03_09132022
22I1410-03	TW4-42_09132022
22I1410-04	TW4-12_09132022
22I1410-05	TW4-28_09132022
22I1410-06	TW4-32_09132022
22I1410-07	TW4-13_09132022
22I1410-08	TW4-36_09132022
22I1410-09	TW4-31_09132022
22I1410-10	TW4-43_09132022
22I1410-11	TW4-65_09132022
22I1410-12	TW4-34_09142022
22I1410-13	TW4-35_09142022
22I1410-14	TW4-23_09142022
22I1410-15	TW4-38_09142022
22I1410-16	TW4-14_09142022
22I1410-17	TW4-06_09142022
22I1410-18	TW4-27_09142022
22I1410-19	TW4-09_09142022
22I1410-20	TW4-05_09142022
22I1410-21	TW4-08_09142022
22I1410-22	TW4-33_09142022
22I1410-23	TW4-18_09142022
22I1410-24	TW4-30_09142022
22I1410-25	TW4-70_09142022
22I1410-26	TW4-16R_09142022
22I1410-27	MW-32_09152022
22I1410-28	TW4-16_09152022
22I1410-29	TW4-10_09152022
22I1410-30	TW4-29_09152022
22I1410-31	TW4-07_09152022
22I1410-32	TW4-26_09152022
22I1410-33	TW4-75_09152022
22I1410-34	Trip Blank

Work Order Report Narrative

Sample Preparation

All samples were prepared within method specified holding times. No preparation issues were noted.

Method Blanks

All blank values were within method acceptance criteria. No blank values exceeded the minimum reporting limit for any analysis in this work order.

Laboratory Control Samples

All laboratory control samples were within method acceptance criteria.

Method Spikes

All method spike recoveries were within method acceptance criteria, except as noted by qualifying flags.

Method Spike Duplicates

All method spike duplicates were within method acceptance criteria, except as noted by qualifying flags.

Corrective Actions

There are no corrective actions associated with this work order.

CHEMTECH-FORD LABORATORIES

Chemtech-Ford Laboratories
Serving the Intermountain West Since 1953

9632 South 500 West
Sandy, UT 84070
O:(801) 262-7299 F: (866) 792-0093
www.ChemtechFord.com

Certificate of Analysis

Energy Fuels Resources, Inc.
Tanner Holliday
6425 South Highway 191
Blanding, UT 84511

PO#:
Receipt: **9/16/22 10:20 @ 2.4** °C
Date Reported: 9/29/2022
Project Name: **3rd Quarter Chloroform 2022**

Report Footnotes

Abbreviations

ND = Not detected at the corresponding Minimum Reporting Limit (MRL).
1 mg/L = one milligram per liter or 1 mg/kg = one milligram per kilogram = 1 part per million.
1 ug/L = one microgram per liter or 1 ug/kg = one microgram per kilogram = 1 part per billion.
1 ng/L = one nanogram per liter or 1 ng/kg = one nanogram per kilogram = 1 part per trillion.

Flag Descriptions

J-LOW = Estimated low due to low recovery of LCS or CCV

American West
Analytical Laboratories
463 W. 3600 S. Salt Lake City, UT 84115
Phone # (801) 263-8686 Toll Free # (888) 263-8686
Fax # (801) 263-8687 Email awal@awal-labs.com
www.awal-labs.com

CHAIN OF CUSTODY

22I1410
AWAL Lab Sample Set #

Page 1 of 3

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

QC Level:	Turn Around Time:	Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.	Due Date:
3	Standard		

Client: Energy Fuels Resources, Inc.
Address: 6425 S. Hwy. 191
Blanding, UT 84511
Contact: Tanner Holliday
Phone #: (435) 678-2221 Cell #:
Email: tholliday@energyfuels.com; KWeinel@energyfuels.com
Project Name: 3rd Quarter Chloroform 2022
Project #:
PO #:
Sampler Name: Tanner Holliday

X Include EDD:
LOCUS UPLOAD
EXCEL
Field Filtered For:

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	Cl (4500 or 300.0)	VOCs (8260C)	Known Hazards & Sample Comments
1	TW4-03R_09122022	9/12/2022	1100	5	W	X	X	X	Do NOT use for QC
2	TW4-03_09132022	9/13/2022	710	5	W	X	X	X	
3	TW4-42_09132022	9/13/2022	720	5	W	X	X	X	
4	TW4-12_09132022	9/13/2022	730	5	W	X	X	X	
5	TW4-28_09132022	9/13/2022	738	5	W	X	X	X	
6	TW4-32_09132022	9/13/2022	745	5	W	X	X	X	
7	TW4-13_09132022	9/13/2022	757	5	W	X	X	X	
8	TW4-36_09132022	9/13/2022	805	5	W	X	X	X	
9	TW4-31_09132022	9/13/2022	811	5	W	X	X	X	
10	TW4-43_09132022	9/13/2022	818	5	W	X	X	X	
11	TW4-65_09132022	9/13/2022	745	5	W	X	X	X	
12	TW4-34_09142022	9/14/2022	811	5	W	X	X	X	
13	TW4-35_09142022	9/14/2022	819	5	W	X	X	X	

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 2.4 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

COC Tape Was:
1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by: Signature: Tanner Holliday	Date: 9/15/2022	Received by: Signature	Date:
Print Name: Tanner Holliday	Time: 1100	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature: Eileen Hay	Date: 9/16/22
Print Name:	Time:	Print Name: Eileen Hay	Time: 1020
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:
Relinquished by: Signature	Date:	Received by: Signature	Date:
Print Name:	Time:	Print Name:	Time:

Special Instructions: Ap/1188, N1232 w(3)

See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

UPS GROUND
TRACKING #: 1Z 187 Y4Y 03 9779 9434

American West
Analytical Laboratories
463 W. 3600 S. Salt Lake City, UT 84115
Phone # (801) 263-8686 Toll Free # (888) 263-8686
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CHAIN OF CUSTODY

22I1410
AWAL Lab Sample Set #
Page 2 of 3

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

QC Level:	Turn Around Time:	Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.	Due Date:
3	Standard		

Client: Energy Fuels Resources, Inc.
Address: 6425 S. Hwy. 191
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Contact: Tanner Holliday
Phone #: (435) 678-2221 Cell #:
Email: tholliday@energyfuels.com; KWeinel@energyfuels.com
Project Name: 3rd Quarter Chloroform 2022
Project #:
PO #:
Sampler Name: Tanner Holliday

X Include EDD:
LOCUS UPLOAD
EXCEL
Field Filtered For:

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	Cl (4500 or 300.0)	VOCs (8260C)	Known Hazards & Sample Comments
14	TW4-23_09142022	9/14/2022	827	5	W	X	X	X	
15	TW4-38_09142022	9/14/2022	835	5	W	X	X	X	
16	TW4-14_09142022	9/14/2022	844	5	W	X	X	X	
17	TW4-06_09142022	9/14/2022	853	5	W	X	X	X	
18	TW4-27_09142022	9/14/2022	902	5	W	X	X	X	
19	TW4-09_09142022	9/14/2022	910	5	W	X	X	X	
20	TW4-05_09142022	9/14/2022	921	5	W	X	X	X	
21	TW4-08_09142022	9/14/2022	928	5	W	X	X	X	
22	TW4-33_09142022	9/14/2022	936	5	W	X	X	X	
23	TW4-18_09142022	9/14/2022	950	5	W	X	X	X	
24	TW4-30_09142022	9/14/2022	1000	5	W	X	X	X	
25	TW4-70_09142022	9/14/2022	910	5	W	X	X	X	
26	TW4-16R_09142022	9/14/2022	1025	5	W	X	X	X	Do NOT use for QC

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 2.4 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

COC Tape Was:
1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by: Signature	Tanner Holliday	Date: 9/15/2022	Received by: Signature		Date:
Print Name:	Tanner Holliday	Time: 1100	Print Name:		Time:
Relinquished by: Signature		Date:	Received by: Signature	Elaina Hayes	Date: 9/16/22
Print Name:		Time:	Print Name:	Elaina Hayes	Time: 1020
Relinquished by: Signature		Date:	Received by: Signature		Date:
Print Name:		Time:	Print Name:		Time:
Relinquished by: Signature		Date:	Received by: Signature		Date:
Print Name:		Time:	Print Name:		Time:

Special Instructions:

See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

CHAIN OF CUSTODY

22I1410

AWAL Lab Sample Set #

Page 3 of 3

American West Analytical Laboratories
463 W. 3600 S. Salt Lake City, UT 84115
Phone # (801) 263-8686 Toll Free # (888) 263-8686
Fax # (801) 263-8687 Email awal@awal-labs.com
www.awal-labs.com

All analysis will be conducted using NELAP accredited methods and all data will be reported using AWAL's standard analyte lists and reporting limits (PQL) unless specifically requested otherwise on this Chain of Custody and/or attached documentation.

QC Level:	Turn Around Time:	Unless other arrangements have been made, signed reports will be emailed by 5:00 pm on the day they are due.	Due Date:
3	Standard		

Client: Energy Fuels Resources, Inc.
Address: 6425 S. Hwy. 191
Blanding, UT 84511
Contact: Tanner Holliday
Phone #: (435) 678-2221 Cell #:
Email: tholliday@energyfuels.com; KWeinel@energyfuels.com
Project Name: 3rd Quarter Chloroform 2022
Project #:
PO #:
Sampler Name: Tanner Holliday

X Include EDD:
LOCUS UPLOAD
EXCEL
Field Filtered For:

For Compliance With:
☐ NELAP
☐ RCRA
☐ CWA
☐ SDWA
☐ ELAP / A2LA
☐ NLLAP
☐ Non-Compliance
☐ Other:

	Sample ID:	Date Sampled	Time Sampled	# of Containers	Sample Matrix	NO2/NO3 (353.2)	Cl (4500 or 300.0)	VOCs (8260C)	Known Hazards & Sample Comments
27	MW-32_09152022	9/15/2022	1000	5	W	X	X	X	
28	TW4-16_09152022	9/15/2022	823	5	W	X	X	X	
29	TW4-10_09152022	9/15/2022	830	5	W	X	X	X	
30	TW4-29_09152022	9/15/2022	842	5	W	X	X	X	
31	TW4-07_09152022	9/15/2022	854	5	W	X	X	X	
32	TW4-26_09152022	9/15/2022	904	5	W	X	X	X	
33	TW4-75_09152022	9/15/2022	842	5	W	X	X	X	
34	TRIP BLANK	9/12/2022	1100	3	W			X	
35									
36									
37									
38									
39									

Laboratory Use Only

Samples Were: UPS
1 Shipped or hand delivered
2 Ambient or Chilled
3 Temperature 2.4 °C
4 Received Broken/Leaking (Improperly Sealed) Y N
5 Properly Preserved Y N
Checked at bench Y N
6 Received Within Holding Times Y N

COC Tape Was:
1 Present on Outer Package Y N NA
2 Unbroken on Outer Package Y N NA
3 Present on Sample Y N NA
4 Unbroken on Sample Y N NA

Discrepancies Between Sample Labels and COC Record? Y N

Relinquished by:	Date:	Received by:	Date:
Signature: Tanner Holliday	Time: 9/15/2022 1100	Signature:	Time:
Print Name: Tanner Holliday		Print Name:	
Relinquished by:	Date:	Received by:	Date: 9/16/22
Signature:	Time:	Signature: Elmer Huyler	Time: 1020
Print Name:		Print Name: Elmer Huyler	
Relinquished by:	Date:	Received by:	Date:
Signature:	Time:	Signature:	Time:
Print Name:		Print Name:	
Relinquished by:	Date:	Received by:	Date:
Signature:	Time:	Signature:	Time:
Print Name:		Print Name:	

Special Instructions:

See the Analytical Scope of Work for Reporting Limits and VOC analyte list.

Analyte	% Rec	RPD	Limits	RPD Max	Result	Source Conc	Spk Value	MRL	DF
Blank - EPA 300.0									
QC Sample ID: BWI1019-BLK1	Batch: BWI1019								
Date Prepared: 09/20/2022	Date Analyzed: 09/21/2022								
Chloride					ND			1.0	1.00
QC Sample ID: BWI1174-BLK1	Batch: BWI1174								
Date Prepared: 09/22/2022	Date Analyzed: 09/23/2022								
Chloride					ND			1.0	1.00
QC Sample ID: BWI1230-BLK1	Batch: BWI1230								
Date Prepared: 09/23/2022	Date Analyzed: 09/23/2022								
Chloride					ND			1.0	1.00
QC Sample ID: BWI1241-BLK1	Batch: BWI1241								
Date Prepared: 09/23/2022	Date Analyzed: 09/24/2022								
Chloride					ND			1.0	1.00
LCS - EPA 300.0									
QC Sample ID: BWI1019-BS1	Batch: BWI1019								
Date Prepared: 09/20/2022	Date Analyzed: 09/21/2022								
Chloride	102		90 - 110		50.8		50.0	1.0	1.00
QC Sample ID: BWI1174-BS1	Batch: BWI1174								
Date Prepared: 09/22/2022	Date Analyzed: 09/23/2022								
Chloride	100		90 - 110		50.2		50.0	1.0	1.00
QC Sample ID: BWI1230-BS1	Batch: BWI1230								
Date Prepared: 09/23/2022	Date Analyzed: 09/23/2022								
Chloride	100		90 - 110		50.0		50.0	1.0	1.00
QC Sample ID: BWI1241-BS1	Batch: BWI1241								
Date Prepared: 09/23/2022	Date Analyzed: 09/24/2022								
Chloride	100		90 - 110		50.2		50.0	1.0	1.00
Matrix Spike - EPA 300.0									
QC Sample ID: BWI1019-MS1	Batch: BWI1019		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/20/2022	Date Analyzed: 09/21/2022								
Chloride	99.3		80 - 120		685	486	200	22.0	1.00
QC Sample ID: BWI1019-MS2	Batch: BWI1019		QC Source Sample: 22I1410-02						
Date Prepared: 09/20/2022	Date Analyzed: 09/21/2022								
Chloride	109		80 - 120		39.3	27.3	11.1	1.1	1.00
QC Sample ID: BWI1174-MS1	Batch: BWI1174		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/22/2022	Date Analyzed: 09/23/2022								
Chloride	111		80 - 120		144	33.7	100	11.0	1.00
QC Sample ID: BWI1174-MS2	Batch: BWI1174		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/22/2022	Date Analyzed: 09/23/2022								
Chloride	111		80 - 120		152	41.0	100	11.0	1.00
QC Sample ID: BWI1230-MS1	Batch: BWI1230		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/23/2022	Date Analyzed: 09/23/2022								
Chloride	144		80 - 120		1810	1670	100	11.0	1.00
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.									
QC Sample ID: BWI1230-MS2	Batch: BWI1230		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/23/2022	Date Analyzed: 09/23/2022								

Analyte	% Rec	RPD	Limits	RPD Max	Result	Source Conc	Spk Value	MRL	DF
Matrix Spike - EPA 300.0 (cont.)									
QC Sample ID: BWI1230-MS2	Batch: BWI1230		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/23/2022	Date Analyzed: 09/23/2022								
Chloride	18.8		80 - 120		864	845	100	11.0	1.00
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.									
QC Sample ID: BWI1241-MS1	Batch: BWI1241		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/23/2022	Date Analyzed: 09/24/2022								
Chloride	106		80 - 120		26.5	14.7	11.1	1.1	1.00
QC Sample ID: BWI1241-MS2	Batch: BWI1241		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/23/2022	Date Analyzed: 09/24/2022								
Chloride	106		80 - 120		27.5	15.7	11.1	1.1	1.00
Matrix Spike Dup - EPA 300.0									
QC Sample ID: BWI1019-MSD1	Batch: BWI1019		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/20/2022	Date Analyzed: 09/21/2022								
Chloride	99.4	0.0321	80 - 120	20	685	486	200	22.0	1.00
QC Sample ID: BWI1019-MSD2	Batch: BWI1019		QC Source Sample: 22I1410-02						
Date Prepared: 09/20/2022	Date Analyzed: 09/21/2022								
Chloride	112	0.900	80 - 120	20	39.7	27.3	11.1	1.1	1.00
QC Sample ID: BWI1174-MSD1	Batch: BWI1174		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/22/2022	Date Analyzed: 09/23/2022								
Chloride	109	1.32	80 - 120	20	143	33.7	100	11.0	1.00
QC Sample ID: BWI1174-MSD2	Batch: BWI1174		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/22/2022	Date Analyzed: 09/23/2022								
Chloride	112	0.635	80 - 120	20	153	41.0	100	11.0	1.00
QC Sample ID: BWI1230-MSD1	Batch: BWI1230		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/23/2022	Date Analyzed: 09/23/2022								
Chloride	159	0.849	80 - 120	20	1830	1670	100	11.0	1.00
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.									
QC Sample ID: BWI1230-MSD2	Batch: BWI1230		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/23/2022	Date Analyzed: 09/23/2022								
Chloride	26.4	0.878	80 - 120	20	872	845	100	11.0	1.00
QM-4X - The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.									
QC Sample ID: BWI1241-MSD1	Batch: BWI1241		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/23/2022	Date Analyzed: 09/24/2022								
Chloride	111	2.00	80 - 120	20	27.0	14.7	11.1	1.1	1.00
QC Sample ID: BWI1241-MSD2	Batch: BWI1241		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/23/2022	Date Analyzed: 09/24/2022								
Chloride	110	1.55	80 - 120	20	28.0	15.7	11.1	1.1	1.00

QC Report for Work Order (WO) - 22I1410

Analyte	% Rec	RPD	Limits	RPD Max	Result	Source Conc	Spk Value	MRL	DF
Blank - EPA 353.2									
QC Sample ID: BWI1189-BLK1	Batch: BWI1189								
Date Prepared: 09/23/2022	Date Analyzed: 09/23/2022								
Nitrate + Nitrite, Total, as N					ND			0.100	1.00
QC Sample ID: BWI1259-BLK1	Batch: BWI1259								
Date Prepared: 09/23/2022	Date Analyzed: 09/23/2022								
Nitrate + Nitrite, Total, as N					ND			0.100	1.00
QC Sample ID: BWI1260-BLK1	Batch: BWI1260								
Date Prepared: 09/23/2022	Date Analyzed: 09/23/2022								
Nitrate + Nitrite, Total, as N					ND			0.100	1.00
LCS - EPA 353.2									
QC Sample ID: BWI1189-BS1	Batch: BWI1189								
Date Prepared: 09/23/2022	Date Analyzed: 09/23/2022								
Nitrate + Nitrite, Total, as N	99.8		80 - 120		2.00		2.00	0.100	1.00
QC Sample ID: BWI1259-BS1	Batch: BWI1259								
Date Prepared: 09/23/2022	Date Analyzed: 09/23/2022								
Nitrate + Nitrite, Total, as N	111		80 - 120		2.22		2.00	0.100	1.00
QC Sample ID: BWI1260-BS1	Batch: BWI1260								
Date Prepared: 09/23/2022	Date Analyzed: 09/23/2022								
Nitrate + Nitrite, Total, as N	98.5		80 - 120		1.97		2.00	0.100	1.00
Matrix Spike - EPA 353.2									
QC Sample ID: BWI1189-MS1	Batch: BWI1189		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/23/2022	Date Analyzed: 09/23/2022								
Nitrate + Nitrite, Total, as N	84.5		80 - 120		1.59	0.743	1.00	0.100	1.00
QC Sample ID: BWI1189-MS2	Batch: BWI1189		QC Source Sample: 22I1410-02						
Date Prepared: 09/23/2022	Date Analyzed: 09/23/2022								
Nitrate + Nitrite, Total, as N	89.2		80 - 120		6.36	5.47	1.00	0.500	5.00
QC Sample ID: BWI1259-MS1	Batch: BWI1259		QC Source Sample: 22I1410-06						
Date Prepared: 09/23/2022	Date Analyzed: 09/23/2022								
Nitrate + Nitrite, Total, as N	76.9		80 - 120		2.36	1.59	1.00	0.500	5.00
QM-010 - The MS recovery was outside acceptance limits but passed Duplicate Spike acceptance limits. The batch was accepted based on the acceptability of the MSD as the batch Spike.									
QC Sample ID: BWI1259-MS2	Batch: BWI1259		QC Source Sample: 22I1410-07						
Date Prepared: 09/23/2022	Date Analyzed: 09/23/2022								
Nitrate + Nitrite, Total, as N	88.5		80 - 120		5.26	4.37	1.00	0.500	5.00
QC Sample ID: BWI1260-MS1	Batch: BWI1260		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/23/2022	Date Analyzed: 09/23/2022								
Nitrate + Nitrite, Total, as N	99.4		80 - 120		3.65	2.65	1.00	0.100	1.00
QC Sample ID: BWI1260-MS2	Batch: BWI1260		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/23/2022	Date Analyzed: 09/23/2022								
Nitrate + Nitrite, Total, as N	91.8		80 - 120		1.41	0.491	1.00	0.100	1.00
Matrix Spike Dup - EPA 353.2									
QC Sample ID: BWI1189-MSD1	Batch: BWI1189		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/23/2022	Date Analyzed: 09/23/2022								
Nitrate + Nitrite, Total, as N	87.1	1.62	80 - 120	20	1.61	0.743	1.00	0.100	1.00
QC Sample ID: BWI1189-MSD2	Batch: BWI1189		QC Source Sample: 22I1410-02						
Date Prepared: 09/23/2022	Date Analyzed: 09/23/2022								

Matrix Spike Dup - EPA 353.2 (cont.)

Analyte	% Rec	RPD	Limits	RPD Max	Result	Source Conc	Spk Value	MRL	DF
QC Sample ID: BWI1189-MSD2	Batch: BWI1189		QC Source Sample: 22I1410-02						
Date Prepared: 09/23/2022	Date Analyzed: 09/23/2022								
Nitrate + Nitrite, Total, as N	85.2	0.631	80 - 120	20	6.32	5.47	1.00	0.500	5.00
QC Sample ID: BWI1259-MSD1	Batch: BWI1259		QC Source Sample: 22I1410-06						
Date Prepared: 09/23/2022	Date Analyzed: 09/23/2022								
Nitrate + Nitrite, Total, as N	87.5	4.40	80 - 120	20	2.46	1.59	1.00	0.500	5.00
QC Sample ID: BWI1259-MSD2	Batch: BWI1259		QC Source Sample: 22I1410-07						
Date Prepared: 09/23/2022	Date Analyzed: 09/23/2022								
Nitrate + Nitrite, Total, as N	91.3	0.531	80 - 120	20	5.29	4.37	1.00	0.500	5.00
QC Sample ID: BWI1260-MSD1	Batch: BWI1260		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/23/2022	Date Analyzed: 09/23/2022								
Nitrate + Nitrite, Total, as N	84.5	4.17	80 - 120	20	3.50	2.65	1.00	0.100	1.00
QC Sample ID: BWI1260-MSD2	Batch: BWI1260		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/23/2022	Date Analyzed: 09/23/2022								
Nitrate + Nitrite, Total, as N	90.4	0.999	80 - 120	20	1.40	0.491	1.00	0.100	1.00

Analyte	% Rec	RPD	Limits	RPD Max	Result	Source Conc	Spk Value	MRL	DF
Blank - EPA 8260D /5030A									
QC Sample ID: BWI1334-BLK1	Batch: BWI1334								
Date Prepared: 09/26/2022	Date Analyzed: 09/26/2022								
Carbon Tetrachloride					ND			1.0	1.00
Chloroform					ND			1.0	1.00
Chloromethane					ND			1.0	1.00
Methylene Chloride					ND			1.0	1.00
QC Sample ID: BWI1334-BLK2	Batch: BWI1334								
Date Prepared: 09/26/2022	Date Analyzed: 09/26/2022								
Carbon Tetrachloride					ND			1.0	1.00
Chloroform					ND			1.0	1.00
Chloromethane					ND			1.0	1.00
Methylene Chloride					ND			1.0	1.00
QC Sample ID: BWI1338-BLK1	Batch: BWI1338								
Date Prepared: 09/26/2022	Date Analyzed: 09/26/2022								
Carbon Tetrachloride					ND			1.0	1.00
Chloroform					ND			1.0	1.00
Chloromethane					ND			1.0	1.00
Methylene Chloride					ND			1.0	1.00
QC Sample ID: BWI1374-BLK1	Batch: BWI1374								
Date Prepared: 09/27/2022	Date Analyzed: 09/27/2022								
Carbon Tetrachloride					ND			1.0	1.00
J-LOW - Estimated low due to low recovery of LCS or CCV									
Chloroform					ND			1.0	1.00
Chloromethane					ND			1.0	1.00
Methylene Chloride					ND			1.0	1.00
LCS - EPA 8260D /5030A									
QC Sample ID: BWI1334-BS1	Batch: BWI1334								
Date Prepared: 09/26/2022	Date Analyzed: 09/26/2022								
Carbon Tetrachloride	91.4	70 - 130			9.14		10.0	1.0	1.00
Chloroform	108	70 - 130			10.8		10.0	1.0	1.00
Chloromethane	99.5	70 - 130			9.95		10.0	1.0	1.00
Methylene Chloride	111	70 - 130			11.1		10.0	1.0	1.00
QC Sample ID: BWI1338-BS1	Batch: BWI1338								
Date Prepared: 09/26/2022	Date Analyzed: 09/26/2022								
Carbon Tetrachloride	122	70 - 130			12.2		10.0	1.0	1.00
Chloroform	96.2	70 - 130			9.62		10.0	1.0	1.00
Chloromethane	85.4	70 - 130			8.54		10.0	1.0	1.00
Methylene Chloride	88.3	70 - 130			8.83		10.0	1.0	1.00
QC Sample ID: BWI1374-BS1	Batch: BWI1374								
Date Prepared: 09/27/2022	Date Analyzed: 09/27/2022								
Carbon Tetrachloride	68.5	70 - 130			6.85		10.0	1.0	1.00
J-LOW - Estimated low due to low recovery of LCS or CCV									
Chloroform	98.0	70 - 130			9.80		10.0	1.0	1.00
Chloromethane	77.4	70 - 130			7.74		10.0	1.0	1.00
Methylene Chloride	99.9	70 - 130			9.99		10.0	1.0	1.00
Matrix Spike - EPA 8260D /5030A									
QC Sample ID: BWI1334-MS1	Batch: BWI1334			QC Source Sample: 22I1410-02					
Date Prepared: 09/26/2022	Date Analyzed: 09/26/2022								
Carbon Tetrachloride	92.6	70 - 130			9.26	ND	10.0	1.0	1.00

Analyte	% Rec	RPD	Limits	RPD Max	Result	Source Conc	Spk Value	MRL	DF
Matrix Spike - EPA 8260D /5030A (cont.)									
QC Sample ID: BWI1334-MS1	Batch: BWI1334		QC Source Sample: 22I1410-02						
Date Prepared: 09/26/2022	Date Analyzed: 09/26/2022								
Chloroform	113		70 - 130		11.3	ND	10.0	1.0	1.00
Chloromethane	122		70 - 130		12.2	ND	10.0	1.0	1.00
Methylene Chloride	116		70 - 130		11.6	ND	10.0	1.0	1.00
QC Sample ID: BWI1338-MS1	Batch: BWI1338		QC Source Sample: 22I1410-06						
Date Prepared: 09/26/2022	Date Analyzed: 09/26/2022								
Carbon Tetrachloride	110		70 - 130		11.0	ND	10.0	1.0	1.00
Chloroform	93.6		70 - 130		9.36	ND	10.0	1.0	1.00
Chloromethane	96.2		70 - 130		9.62	ND	10.0	1.0	1.00
Methylene Chloride	86.9		70 - 130		8.69	ND	10.0	1.0	1.00
QC Sample ID: BWI1374-MS1	Batch: BWI1374		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/27/2022	Date Analyzed: 09/27/2022								
Carbon Tetrachloride	103		70 - 130		2580	ND	2500	250	1.00
Chloroform	100		70 - 130		2500	ND	2500	250	1.00
Chloromethane	86.7		70 - 130		2170	ND	2500	250	1.00
Methylene Chloride	102		70 - 130		2540	ND	2500	250	1.00
QC Sample ID: BWI1374-MS2	Batch: BWI1374		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/27/2022	Date Analyzed: 09/27/2022								
Carbon Tetrachloride	79.7		70 - 130		39.8	ND	50.0	5.0	1.00
Chloroform	96.6		70 - 130		48.3	ND	50.0	5.0	1.00
Chloromethane	73.1		70 - 130		36.6	ND	50.0	5.0	1.00
Methylene Chloride	102		70 - 130		51.0	ND	50.0	5.0	1.00
Matrix Spike Dup - EPA 8260D /5030A									
QC Sample ID: BWI1334-MSD1	Batch: BWI1334		QC Source Sample: 22I1410-02						
Date Prepared: 09/26/2022	Date Analyzed: 09/26/2022								
Carbon Tetrachloride	79.6	15.1	70 - 130	20	7.96	ND	10.0	1.0	1.00
Chloroform	98.6	13.7	70 - 130	20	9.86	ND	10.0	1.0	1.00
Chloromethane	104	15.5	70 - 130	20	10.4	ND	10.0	1.0	1.00
Methylene Chloride	105	10.2	70 - 130	20	10.5	ND	10.0	1.0	1.00
QC Sample ID: BWI1338-MSD1	Batch: BWI1338		QC Source Sample: 22I1410-06						
Date Prepared: 09/26/2022	Date Analyzed: 09/26/2022								
Carbon Tetrachloride	109	0.911	70 - 130	20	10.9	ND	10.0	1.0	1.00
Chloroform	92.1	1.62	70 - 130	20	9.21	ND	10.0	1.0	1.00
Chloromethane	82.4	15.5	70 - 130	20	8.24	ND	10.0	1.0	1.00
Methylene Chloride	130	39.9	70 - 130	20	13.0	ND	10.0	1.0	1.00
MS-High - Estimated high due to Matrix Spike recovery.									
QC Sample ID: BWI1374-MSD1	Batch: BWI1374		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/27/2022	Date Analyzed: 09/27/2022								
Carbon Tetrachloride	89.9	13.7	70 - 130	20	2250	ND	2500	250	1.00
Chloroform	99.8	0.300	70 - 130	20	2500	ND	2500	250	1.00
Chloromethane	82.8	4.60	70 - 130	20	2070	ND	2500	250	1.00
Methylene Chloride	99.0	2.69	70 - 130	20	2480	ND	2500	250	1.00
QC Sample ID: BWI1374-MSD2	Batch: BWI1374		QC Source Sample: XXXXXXX-XX						
Date Prepared: 09/27/2022	Date Analyzed: 09/27/2022								
Carbon Tetrachloride	78.6	1.39	70 - 130	20	39.3	ND	50.0	5.0	1.00
Chloroform	94.9	1.78	70 - 130	20	47.4	ND	50.0	5.0	1.00
Chloromethane	71.5	2.21	70 - 130	20	35.8	ND	50.0	5.0	1.00
Methylene Chloride	99.5	2.38	70 - 130	20	49.8	ND	50.0	5.0	1.00

Surrogates Report for Work Order (WO) - 22I1410

QC ID	Analyte	% Rec	LCL	UCL	Result	Spk Value	Batch	DF
Blank - EPA 8260D /5030A								
BWI1334-BLK2	1,2-Dichloroethane-d4	105	64.2	126	10.5	10.0	BWI1334	1.00
BWI1334-BLK1	1,2-Dichloroethane-d4	104	64.2	126	10.4	10.0	BWI1334	1.00
BWI1334-BLK1	4-Bromofluorobenzene	105	71.4	125	10.5	10.0	BWI1334	1.00
BWI1334-BLK2	4-Bromofluorobenzene	104	71.4	125	10.4	10.0	BWI1334	1.00
BWI1334-BLK2	Toluene-d8	100	63.2	129	10.0	10.0	BWI1334	1.00
BWI1334-BLK1	Toluene-d8	99.7	63.2	129	9.97	10.0	BWI1334	1.00
BWI1338-BLK1	1,2-Dichloroethane-d4	109	64.2	126	10.9	10.0	BWI1338	1.00
BWI1338-BLK1	4-Bromofluorobenzene	93.5	71.4	125	9.35	10.0	BWI1338	1.00
BWI1338-BLK1	Toluene-d8	96.9	63.2	129	9.69	10.0	BWI1338	1.00
BWI1374-BLK1	1,2-Dichloroethane-d4	95.3	64.2	126	9.53	10.0	BWI1374	1.00
BWI1374-BLK1	4-Bromofluorobenzene	103	71.4	125	10.3	10.0	BWI1374	1.00
BWI1374-BLK1	Toluene-d8	100	63.2	129	10.0	10.0	BWI1374	1.00
LCS - EPA 8260D /5030A								
BWI1334-BS1	1,2-Dichloroethane-d4	97.9	64.2	126	9.79	10.0	BWI1334	1.00
BWI1334-BS1	4-Bromofluorobenzene	100	71.4	125	10.0	10.0	BWI1334	1.00
BWI1334-BS1	Toluene-d8	100	63.2	129	10.0	10.0	BWI1334	1.00
BWI1338-BS1	1,2-Dichloroethane-d4	102	64.2	126	10.2	10.0	BWI1338	1.00
BWI1338-BS1	4-Bromofluorobenzene	95.9	71.4	125	9.59	10.0	BWI1338	1.00
BWI1338-BS1	Toluene-d8	98.6	63.2	129	9.86	10.0	BWI1338	1.00
BWI1374-BS1	1,2-Dichloroethane-d4	96.5	64.2	126	9.65	10.0	BWI1374	1.00
BWI1374-BS1	4-Bromofluorobenzene	98.3	71.4	125	9.83	10.0	BWI1374	1.00
BWI1374-BS1	Toluene-d8	100	63.2	129	10.0	10.0	BWI1374	1.00
Matrix Spike - EPA 8260D /5030A								
BWI1334-MS1	1,2-Dichloroethane-d4	98.5	64.2	126	9.85	10.0	BWI1334	1.00
BWI1334-MS1	4-Bromofluorobenzene	104	71.4	125	10.4	10.0	BWI1334	1.00
BWI1334-MS1	Toluene-d8	101	63.2	129	10.1	10.0	BWI1334	1.00
BWI1338-MS1	1,2-Dichloroethane-d4	98.0	64.2	126	9.80	10.0	BWI1338	1.00
BWI1338-MS1	4-Bromofluorobenzene	95.6	71.4	125	9.56	10.0	BWI1338	1.00
BWI1338-MS1	Toluene-d8	100	63.2	129	10.0	10.0	BWI1338	1.00
BWI1374-MS2	1,2-Dichloroethane-d4	100	64.2	126	50.2	50.0	BWI1374	1.00
BWI1374-MS1	1,2-Dichloroethane-d4	94.1	64.2	126	2350	2500	BWI1374	1.00
BWI1374-MS1	4-Bromofluorobenzene	105	71.4	125	2640	2500	BWI1374	1.00
BWI1374-MS2	4-Bromofluorobenzene	101	71.4	125	50.4	50.0	BWI1374	1.00
BWI1374-MS2	Toluene-d8	100	63.2	129	50.0	50.0	BWI1374	1.00
BWI1374-MS1	Toluene-d8	100	63.2	129	2500	2500	BWI1374	1.00
Matrix Spike Dup - EPA 8260D /5030A								
BWI1334-MSD1	1,2-Dichloroethane-d4	96.7	64.2	126	9.67	10.0	BWI1334	1.00
BWI1334-MSD1	4-Bromofluorobenzene	104	71.4	125	10.4	10.0	BWI1334	1.00
BWI1334-MSD1	Toluene-d8	100	63.2	129	10.0	10.0	BWI1334	1.00
BWI1338-MSD1	1,2-Dichloroethane-d4	98.9	64.2	126	9.89	10.0	BWI1338	1.00
BWI1338-MSD1	4-Bromofluorobenzene	94.2	71.4	125	9.42	10.0	BWI1338	1.00
BWI1338-MSD1	Toluene-d8	100	63.2	129	10.0	10.0	BWI1338	1.00
BWI1374-MSD1	1,2-Dichloroethane-d4	95.7	64.2	126	2390	2500	BWI1374	1.00
BWI1374-MSD2	1,2-Dichloroethane-d4	100	64.2	126	50.2	50.0	BWI1374	1.00
BWI1374-MSD1	4-Bromofluorobenzene	102	71.4	125	2560	2500	BWI1374	1.00
BWI1374-MSD2	4-Bromofluorobenzene	101	71.4	125	50.6	50.0	BWI1374	1.00

Matrix Spike Dup - EPA 8260D /5030A (cont.)

BWI1374-MSD2	Toluene-d8	100	63.2	129	50.0	50.0	BWI1374	1.00
BWI1374-MSD1	Toluene-d8	100	63.2	129	2500	2500	BWI1374	1.00

Surrogate Recoveries (Field Samples)

LabNumber	Analyte	Result	SpkLvl	%Rec	LCL	UCL	Qualifier
8260 Low Level Volatiles							
22I1410-01	4-Bromofluorobenzene	10.3	10.0	103	71.4	125	
22I1410-01	Toluene-d8	10.0	10.0	100	63.2	129	
22I1410-01	1,2-Dichloroethane-d4	9.65	10.0	96.5	64.2	126	
8260 Low Level Volatiles							
22I1410-02	1,2-Dichloroethane-d4	9.40	10.0	94.0	64.2	126	
22I1410-02	4-Bromofluorobenzene	10.1	10.0	101	71.4	125	
22I1410-02	Toluene-d8	10.0	10.0	100	63.2	129	
8260 Low Level Volatiles							
22I1410-03	4-Bromofluorobenzene	10.5	10.0	105	71.4	125	
22I1410-03	Toluene-d8	10.0	10.0	100	63.2	129	
22I1410-03	1,2-Dichloroethane-d4	9.69	10.0	96.9	64.2	126	
8260 Low Level Volatiles							
22I1410-04	4-Bromofluorobenzene	10.4	10.0	104	71.4	125	
22I1410-04	Toluene-d8	9.94	10.0	99.4	63.2	129	
22I1410-04	1,2-Dichloroethane-d4	9.91	10.0	99.1	64.2	126	
8260 Low Level Volatiles							
22I1410-05	1,2-Dichloroethane-d4	9.82	10.0	98.2	64.2	126	
22I1410-05	4-Bromofluorobenzene	9.97	10.0	99.7	71.4	125	
22I1410-05	Toluene-d8	10.0	10.0	100	63.2	129	
8260 Low Level Volatiles							
22I1410-06	4-Bromofluorobenzene	9.25	10.0	92.5	71.4	125	
22I1410-06	Toluene-d8	9.84	10.0	98.4	63.2	129	
22I1410-06	1,2-Dichloroethane-d4	11.8	10.0	118	64.2	126	
8260 Low Level Volatiles							
22I1410-07	1,2-Dichloroethane-d4	11.3	10.0	113	64.2	126	
22I1410-07	4-Bromofluorobenzene	8.95	10.0	89.5	71.4	125	
22I1410-07	Toluene-d8	9.79	10.0	97.9	63.2	129	
8260 Low Level Volatiles							
22I1410-08	4-Bromofluorobenzene	9.17	10.0	91.7	71.4	125	
22I1410-08	Toluene-d8	10.0	10.0	100	63.2	129	

22I1410-08	1,2-Dichloroethane-d4	11.6	10.0	116	64.2	126

8260 Low Level Volatiles

22I1410-09	1,2-Dichloroethane-d4	11.8	10.0	118	64.2	126
22I1410-09	4-Bromofluorobenzene	9.55	10.0	95.5	71.4	125
22I1410-09	Toluene-d8	9.84	10.0	98.4	63.2	129

8260 Low Level Volatiles

22I1410-10	1,2-Dichloroethane-d4	11.8	10.0	118	64.2	126
22I1410-10	Toluene-d8	10.0	10.0	100	63.2	129
22I1410-10	4-Bromofluorobenzene	9.07	10.0	90.7	71.4	125

8260 Low Level Volatiles

22I1410-11	1,2-Dichloroethane-d4	11.5	10.0	115	64.2	126
22I1410-11	Toluene-d8	10.0	10.0	100	63.2	129
22I1410-11	4-Bromofluorobenzene	9.31	10.0	93.1	71.4	125

8260 Low Level Volatiles

22I1410-12	1,2-Dichloroethane-d4	9.78	10.0	97.8	64.2	126
22I1410-12	4-Bromofluorobenzene	10.5	10.0	105	71.4	125
22I1410-12	Toluene-d8	10.0	10.0	100	63.2	129

8260 Low Level Volatiles

22I1410-13	Toluene-d8	10.0	10.0	100	63.2	129
22I1410-13	1,2-Dichloroethane-d4	9.84	10.0	98.4	64.2	126
22I1410-13	4-Bromofluorobenzene	10.2	10.0	102	71.4	125

8260 Low Level Volatiles

22I1410-14	4-Bromofluorobenzene	9.98	10.0	99.8	71.4	125
22I1410-14	1,2-Dichloroethane-d4	9.96	10.0	99.6	64.2	126
22I1410-14	Toluene-d8	9.81	10.0	98.1	63.2	129

8260 Low Level Volatiles

22I1410-15	Toluene-d8	10.0	10.0	100	63.2	129
22I1410-15	1,2-Dichloroethane-d4	12.1	10.0	121	64.2	126
22I1410-15	4-Bromofluorobenzene	9.36	10.0	93.6	71.4	125

8260 Low Level Volatiles

22I1410-16	1,2-Dichloroethane-d4	12.1	10.0	121	64.2	126
22I1410-16	4-Bromofluorobenzene	9.42	10.0	94.2	71.4	125
22I1410-16	Toluene-d8	9.96	10.0	99.6	63.2	129

8260 Low Level Volatiles

22I1410-17	4-Bromofluorobenzene	8.96	10.0	89.6	71.4	125
22I1410-17	1,2-Dichloroethane-d4	12.5	10.0	125	64.2	126
22I1410-17	Toluene-d8	10.0	10.0	100	63.2	129

8260 Low Level Volatiles

22I1410-18	Toluene-d8	10.0	10.0	100	63.2	129
22I1410-18	4-Bromofluorobenzene	8.88	10.0	88.8	71.4	125
22I1410-18	1,2-Dichloroethane-d4	11.6	10.0	116	64.2	126

8260 Low Level Volatiles

22I1410-19	4-Bromofluorobenzene	9.03	10.0	90.3	71.4	125
22I1410-19	Toluene-d8	10.1	10.0	101	63.2	129
22I1410-19	1,2-Dichloroethane-d4	11.8	10.0	118	64.2	126

8260 Low Level Volatiles

22I1410-20	Toluene-d8	10.0	10.0	100	63.2	129
22I1410-20	1,2-Dichloroethane-d4	11.8	10.0	118	64.2	126
22I1410-20	4-Bromofluorobenzene	9.11	10.0	91.1	71.4	125

8260 Low Level Volatiles

22I1410-21	4-Bromofluorobenzene	9.18	10.0	91.8	71.4	125
22I1410-21	1,2-Dichloroethane-d4	11.9	10.0	119	64.2	126
22I1410-21	Toluene-d8	9.67	10.0	96.7	63.2	129

8260 Low Level Volatiles

22I1410-22	4-Bromofluorobenzene	9.30	10.0	93.0	71.4	125
22I1410-22	1,2-Dichloroethane-d4	11.3	10.0	113	64.2	126
22I1410-22	Toluene-d8	9.51	10.0	95.1	63.2	129

8260 Low Level Volatiles

22I1410-23	4-Bromofluorobenzene	10.4	10.0	104	71.4	125
22I1410-23	Toluene-d8	9.83	10.0	98.3	63.2	129
22I1410-23	1,2-Dichloroethane-d4	9.27	10.0	92.7	64.2	126

8260 Low Level Volatiles

22I1410-24	4-Bromofluorobenzene	10.3	10.0	103	71.4	125
22I1410-24	Toluene-d8	9.97	10.0	99.7	63.2	129
22I1410-24	1,2-Dichloroethane-d4	9.53	10.0	95.3	64.2	126

8260 Low Level Volatiles

22I1410-25	1,2-Dichloroethane-d4	9.04	10.0	90.4	64.2	126
22I1410-25	4-Bromofluorobenzene	10.0	10.0	100	71.4	125
22I1410-25	Toluene-d8	10.0	10.0	100	63.2	129

8260 Low Level Volatiles

22I1410-26	4-Bromofluorobenzene	10.4	10.0	104	71.4	125
22I1410-26	1,2-Dichloroethane-d4	9.15	10.0	91.5	64.2	126
22I1410-26	Toluene-d8	9.76	10.0	97.6	63.2	129

8260 Low Level Volatiles

22I1410-27	Toluene-d8	9.81	10.0	98.1	63.2	129
22I1410-27	4-Bromofluorobenzene	10.2	10.0	102	71.4	125
22I1410-27	1,2-Dichloroethane-d4	9.20	10.0	92.0	64.2	126

8260 Low Level Volatiles

22I1410-28	1,2-Dichloroethane-d4	9.54	10.0	95.4	64.2	126
22I1410-28	4-Bromofluorobenzene	10.2	10.0	102	71.4	125
22I1410-28	Toluene-d8	10.0	10.0	100	63.2	129

8260 Low Level Volatiles

22I1410-29	Toluene-d8	10.0	10.0	100	63.2	129
22I1410-29	1,2-Dichloroethane-d4	9.09	10.0	90.9	64.2	126
22I1410-29	4-Bromofluorobenzene	10.3	10.0	103	71.4	125

8260 Low Level Volatiles

22I1410-30	1,2-Dichloroethane-d4	9.50	10.0	95.0	64.2	126
22I1410-30	Toluene-d8	10.0	10.0	100	63.2	129
22I1410-30	4-Bromofluorobenzene	10.1	10.0	101	71.4	125

8260 Low Level Volatiles

22I1410-31	1,2-Dichloroethane-d4	9.47	10.0	94.7	64.2	126
22I1410-31	4-Bromofluorobenzene	10.5	10.0	105	71.4	125
22I1410-31	Toluene-d8	10.0	10.0	100	63.2	129

8260 Low Level Volatiles

22I1410-32	1,2-Dichloroethane-d4	9.51	10.0	95.1	64.2	126
22I1410-32	4-Bromofluorobenzene	10.0	10.0	100	71.4	125
22I1410-32	Toluene-d8	10.0	10.0	100	63.2	129

8260 Low Level Volatiles

22I1410-33	1,2-Dichloroethane-d4	9.51	10.0	95.1	64.2	126

22I1410-33	4-Bromofluorobenzene	10.5	10.0	105	71.4	125
22I1410-33	Toluene-d8	10.0	10.0	100	63.2	129

8260 Low Level Volatiles

22I1410-34	Toluene-d8	10.0	10.0	100	63.2	129
22I1410-34	1,2-Dichloroethane-d4	9.63	10.0	96.3	64.2	126
22I1410-34	4-Bromofluorobenzene	10.4	10.0	104	71.4	125

Tab I

Quality Assurance and Data Validation Tables

I-1: Field QA/QC Evaluation

Location	1x Casing Volume	Volume Pumped	2x Casing Volume	Volume Check	Conductivity		RPD	pH		RPD	Temperature		RPD	Redox		RPD	Turbidity		RPD	Dissolved Oxygen		RPD
MW-04	NA	Continuously Pumped well	--		1912		NC	6.94		NC	15.53		NC	213		NC	0		NC	25.0		NC
TW4-01	NA	Continuously Pumped well	--		2306		NC	6.95		NC	17.53		NC	230		NC	0		NC	80.0		NC
TW4-02	NA	Continuously Pumped well	--		3950		NC	6.87		NC	16.30		NC	241		NC	0		NC	84.0		NC
TW4-03	48.85	69.66	97.7	Pumped Dry	1870	1879	0.48	6.50	6.50	0.00	16.50	16.43	0.43	NM		NC	NM		NC	NM		NC
TW4-04	NA	Continuously Pumped well	--		2420		NC	7.11		NC	17.30		NC	251		NC	0.4		NC	100.1		NC
TW4-05	32.11	77.00	64.22	okay	1614	1597	1.06	6.43	6.45	0.31	15.60	15.60	0.00	558	551	1.26	3.7	3.8	2.67	65.0	64.0	1.55
TW4-06	12.83	13.75	25.66	Pumped Dry	3977	3978	0.03	6.40	6.39	0.16	14.80	14.77	0.20	NM		NC	NM		NC	NM		NC
TW4-07	27.87	58.66	55.74	Pumped Dry	1330	1337	0.52	6.96	6.96	0.00	15.02	15.02	0.00	NM		NC	NM		NC	NM		NC
TW4-08	27.03	55.00	54.06	okay	4742	4741	0.02	6.09	6.09	0.00	15.30	15.31	0.07	512	508	0.78	1.0	1.1	9.52	2.5	2.6	3.92
TW4-09	32.21	88.00	64.42	okay	2486	2484	0.08	6.17	6.20	0.49	15.22	15.20	0.13	522	513	1.74	27.0	28.0	3.64	24.0	24.0	0.00
TW4-10	28.12	38.50	56.24	Pumped Dry	2481	2479	0.08	6.12	6.15	0.49	15.51	15.48	0.19	NM		NC	NM		NC	NM		NC
TW4-11	NA	Continuously Pumped well	--		3755		NC	6.70		NC	18.02		NC	250		NC	0		NC	81.2		NC
TW4-12	30.60	38.50	61.2	Pumped Dry	1633	1637	0.24	7.10	7.11	0.14	15.01	15.10	0.60	NM		NC	NM		NC	NM		NC
TW4-13	31.44	40.33	62.88	Pumped Dry	2085	2084	0.05	6.95	6.93	0.29	14.82	14.80	0.14	NM		NC	NM		NC	NM		NC
TW4-14	11.58	13.75	23.16	Pumped Dry	5369	5375	0.11	6.10	6.12	0.33	14.88	14.87	0.07	NM		NC	NM		NC	NM		NC
MW-26	NA	Continuously Pumped well	--		3421		NC	6.65		NC	15.83		NC	257		NC	0		NC	24.9		NC
TW4-16	47.94	110.00	95.88	okay	3800	3789	0.29	6.34	6.36	0.31	14.92	14.94	0.13	495	485	2.04	23.0	22.0	4.44	4.0	4.0	0.00
MW-32	31.21	65.10	62.42	okay	3717	3715	0.05	6.15	6.17	0.32	14.62	14.61	0.07	237	233	1.70	212.0	214.0	0.94	8.0	8.0	0.00
TW4-18	41.15	99.00	82.3	okay	1957	1945	0.62	6.06	6.05	0.17	15.67	15.67	0.00	523	520	0.58	32.0	32.1	0.31	11.0	11.2	1.80
TW4-19	NA	Continuously Pumped well	--		2798		NC	6.7		NC	17.04		NC	415		NC	1		NC	42.5		NC
TW4-21	NA	Continuously Pumped well	--		2690		NC	6.50		NC	16.50		NC	398		NC	0		NC	110.0		NC
TW4-22	NA	Continuously Pumped well	--		5553		NC	6.58		NC	15.83		NC	282		NC	1.0		NC	88.0		NC
TW4-23	26.01	77.00	52.02	okay	3479	3493	0.40	6.39	6.40	0.16	14.54	14.56	0.14	260	256	1.55	1.0	1.1	9.52	5.0	5.0	0.00
TW4-24	NA	Continuously Pumped well	--		4915		NC	6.50		NC	15.39		NC	263		NC	1.0		NC	13.4		NC
TW4-25	NA	Continuously Pumped well	--		2557		NC	6.76		NC	15.36		NC	276		NC	1.3		NC	26.3		NC
TW4-26	8.41	8.25	16.82	Pumped Dry	4662	4663	0.02	6.75	6.75	0.00	14.93	14.95	0.13	NM		NC	NM		NC	NM		NC
TW4-27	10.80	11.00	21.6	Pumped Dry	5134	5136	0.04	6.30	6.31	0.16	14.86	14.82	0.27	NM		NC	NM		NC	NM		NC
TW4-28	38.61	51.33	77.22	Pumped Dry	1538	1537	0.07	7.10	7.10	0.00	14.66	14.70	0.27	NM		NC	NM		NC	NM		NC
TW4-29	10.00	11.00	20	Pumped Dry	4062	4059	0.07	6.62	6.66	0.60	15.37	15.32	0.33	NM		NC	NM		NC	NM		NC
TW4-30	11.93	13.75	23.86	Pumped Dry	4437	4444	0.16	5.73	5.76	0.52	14.99	15.00	0.07	NM		NC	NM		NC	NM		NC
TW4-31	20.45	24.75	40.9	Pumped Dry	3765	3767	0.05	6.94	6.90	0.58	15.03	15.02	0.07	NM		NC	NM		NC	NM		NC
TW4-32	37.61	77.00	75.22	okay	6154	6156	0.03	3.45	3.46	0.29	15.31	15.29	0.13	487	485	0.41	23.5	23.0	2.15	1.0	1.0	0.00
TW4-33	4.75	5.5	9.5	Pumped Dry	4801	4800	0.02	6.64	6.67	0.45	14.93	14.91	0.13	NM		NC	NM		NC	NM		NC
TW4-34	11.93	14.66	23.86	Pumped Dry	3707	3719	0.32	6.81	6.79	0.29	15.45	15.40	0.32	NM		NC	NM		NC	NM		NC
TW4-35	7.01	7.33	14.02	Pumped Dry	4400	4420	0.45	6.52	6.52	0.00	14.97	14.91	0.40	NM		NC	NM		NC	NM		NC
TW4-36	26.57	33.00	53.14	Pumped Dry	2433	2446	0.53	6.91	6.90	0.14	14.90	14.93	0.20	NM		NC	NM		NC	NM		NC
TW4-37	NA	Continuously Pumped well	--		4509		NC	6.54		NC	16.20		NC	285		NC	0		NC	79.8		NC
TW4-38	34.91	77.00	69.82	okay	1671	1750	4.62	6.40	6.44	0.62	14.90	14.88	0.13	515	508	1.37	11.0	12.0	8.70	70.0	68.0	2.90
TW4-39	NA	Continuously Pumped well	--		2530		NC	6.77		NC	15.67		NC	274		NC	0		NC	52.0		NC
TW4-40	NA	Continuously Pumped well	--		4142		NC	6.60		NC	16.02		NC	275		NC	7.0		NC	130.0		NC
TW4-41	NA	Continuously Pumped well	--		2806		NC	7.00		NC	17.20		NC	295		NC	0		NC	85.0		NC
TW4-42	9.86	11.00	19.72	Pumped Dry	3693	3708	0.41	7.00	7.02	0.29	15.11	15.09	0.13	NM		NC	NM		NC	NM		NC
TW4-43	14.43	22.00	28.86	Pumped Dry	3686	3697	0.30	6.74	6.74	0.00	14.97	14.94	0.20	NM		NC	NM		NC	NM		NC

MW-04, MW-26, MW-26, MW-26, MW-26, **TW4-01**, TW4-02, **TW4-04**, TW4-11, TW4-21, TW4-22, TW4-24, **TW4-25, TW4-37, TW4-39,** TW4-40, **TW4-41** are continually pumped wells.

TW4-03, TW4-06, TW4-07, TW4-10, TW4-12, TW4-13, TW4-14, TW4-26, TW4-27, TW4-28, TW4-29, TW4-30, TW4-31, TW4-33, TW4-34, TW4-35, TW4-36, TW4-42, TW4-43 were pumped dry and sampled after recovery.

NM = Not Measured. The QAP does not require the measurement of redox potential or turbidity in wells that were purged to dryness.

RPD = Relative Percent Difference

The QAP states that turbidity should be less than 5 Nephelometric Turbidity Units ("NTU") prior to sampling unless the well is characterized by water that has a higher turbidity. The QAP does not require that turbidity measurements be less than 5 NTU prior to sampling. As such, the noted observations regarding turbidity measurements less than 5 NTU are included for information purposes only.

I-2: Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
Trip Blank	Carbon Tetrachloride	8/30/2022	9/8/2022	9	14	OK
Trip Blank	Chloroform	8/30/2022	9/8/2022	9	14	OK
Trip Blank	Chloromethane	8/30/2022	9/8/2022	9	14	OK
Trip Blank	Methylene Chloride	8/30/2022	9/8/2022	9	14	OK
Trip Blank	Carbon Tetrachloride	9/12/2022	9/26/2022	14	14	OK
Trip Blank	Chloroform	9/12/2022	9/26/2022	14	14	OK
Trip Blank	Chloromethane	9/12/2022	9/26/2022	14	14	OK
Trip Blank	Methylene Chloride	9/12/2022	9/26/2022	14	14	OK
MW-04	Chloride	8/30/2022	9/9/2022	10	28	OK
MW-04	Carbon Tetrachloride	8/30/2022	9/8/2022	9	14	OK
MW-04	Chloroform	8/30/2022	9/8/2022	9	14	OK
MW-04	Chloromethane	8/30/2022	9/8/2022	9	14	OK
MW-04	Methylene Chloride	8/30/2022	9/8/2022	9	14	OK
MW-04	Nitrate + Nitrite as N	8/30/2022	9/7/2022	8	28	OK
TW4-01	Chloride	8/30/2022	9/9/2022	10	28	OK
TW4-01	Carbon Tetrachloride	8/30/2022	9/7/2022	8	14	OK
TW4-01	Chloroform	8/30/2022	9/7/2022	8	14	OK
TW4-01	Chloromethane	8/30/2022	9/7/2022	8	14	OK
TW4-01	Methylene Chloride	8/30/2022	9/7/2022	8	14	OK
TW4-01	Nitrate + Nitrite as N	8/30/2022	9/7/2022	8	28	OK
TW4-02	Chloride	8/30/2022	9/9/2022	10	28	OK
TW4-02	Carbon Tetrachloride	8/30/2022	9/7/2022	8	14	OK
TW4-02	Chloroform	8/30/2022	9/7/2022	8	14	OK
TW4-02	Chloromethane	8/30/2022	9/7/2022	8	14	OK
TW4-02	Methylene Chloride	8/30/2022	9/7/2022	8	14	OK
TW4-02	Nitrate + Nitrite as N	8/30/2022	9/7/2022	8	28	OK
TW4-03	Chloride	9/13/2022	9/21/2022	8	28	OK
TW4-03	Carbon Tetrachloride	9/13/2022	9/26/2022	13	14	OK
TW4-03	Chloroform	9/13/2022	9/26/2022	13	14	OK
TW4-03	Chloromethane	9/13/2022	9/26/2022	13	14	OK
TW4-03	Methylene Chloride	9/13/2022	9/26/2022	13	14	OK
TW4-03	Nitrate + Nitrite as N	9/13/2022	9/23/2022	10	28	OK
TW4-03R	Chloride	9/12/2022	9/21/2022	9	28	OK
TW4-03R	Carbon Tetrachloride	9/12/2022	9/26/2022	14	14	OK
TW4-03R	Chloroform	9/12/2022	9/26/2022	14	14	OK
TW4-03R	Chloromethane	9/12/2022	9/26/2022	14	14	OK
TW4-03R	Methylene Chloride	9/12/2022	9/26/2022	14	14	OK
TW4-03R	Nitrate + Nitrite as N	9/12/2022	9/23/2022	11	28	OK
TW4-04	Chloride	8/30/2022	9/9/2022	10	28	OK
TW4-04	Carbon Tetrachloride	8/30/2022	9/8/2022	9	14	OK
TW4-04	Chloroform	8/30/2022	9/8/2022	9	14	OK
TW4-04	Chloromethane	8/30/2022	9/8/2022	9	14	OK
TW4-04	Methylene Chloride	8/30/2022	9/8/2022	9	14	OK
TW4-04	Nitrate + Nitrite as N	8/30/2022	9/7/2022	8	28	OK
TW4-05	Chloride	9/14/2022	9/23/2022	9	28	OK
TW4-05	Carbon Tetrachloride	9/14/2022	9/26/2022	12	14	OK
TW4-05	Chloroform	9/14/2022	9/26/2022	12	14	OK
TW4-05	Chloromethane	9/14/2022	9/26/2022	12	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
TW4-05	Methylene Chloride	9/14/2022	9/26/2022	12	14	OK
TW4-05	Nitrate + Nitrite as N	9/14/2022	9/23/2022	9	28	OK
TW4-06	Chloride	9/14/2022	9/23/2022	9	28	OK
TW4-06	Carbon Tetrachloride	9/14/2022	9/26/2022	12	14	OK
TW4-06	Chloroform	9/14/2022	9/26/2022	12	14	OK
TW4-06	Chloromethane	9/14/2022	9/26/2022	12	14	OK
TW4-06	Methylene Chloride	9/14/2022	9/26/2022	12	14	OK
TW4-06	Nitrate + Nitrite as N	9/14/2022	9/23/2022	9	28	OK
TW4-07	Chloride	9/15/2022	9/24/2022	9	28	OK
TW4-07	Carbon Tetrachloride	9/15/2022	9/27/2022	12	14	OK
TW4-07	Chloroform	9/15/2022	9/27/2022	12	14	OK
TW4-07	Chloromethane	9/15/2022	9/27/2022	12	14	OK
TW4-07	Methylene Chloride	9/15/2022	9/27/2022	12	14	OK
TW4-07	Nitrate + Nitrite as N	9/15/2022	9/23/2022	8	28	OK
TW4-08	Chloride	9/14/2022	9/23/2022	9	28	OK
TW4-08	Carbon Tetrachloride	9/14/2022	9/26/2022	12	14	OK
TW4-08	Chloroform	9/14/2022	9/26/2022	12	14	OK
TW4-08	Chloromethane	9/14/2022	9/26/2022	12	14	OK
TW4-08	Methylene Chloride	9/14/2022	9/26/2022	12	14	OK
TW4-08	Nitrate + Nitrite as N	9/14/2022	9/23/2022	9	28	OK
TW4-09	Chloride	9/14/2022	9/23/2022	9	28	OK
TW4-09	Carbon Tetrachloride	9/14/2022	9/26/2022	12	14	OK
TW4-09	Chloroform	9/14/2022	9/26/2022	12	14	OK
TW4-09	Chloromethane	9/14/2022	9/26/2022	12	14	OK
TW4-09	Methylene Chloride	9/14/2022	9/26/2022	12	14	OK
TW4-09	Nitrate + Nitrite as N	9/14/2022	9/23/2022	9	28	OK
TW4-10	Chloride	9/15/2022	9/24/2022	9	28	OK
TW4-10	Carbon Tetrachloride	9/15/2022	9/27/2022	12	14	OK
TW4-10	Chloroform	9/15/2022	9/27/2022	12	14	OK
TW4-10	Chloromethane	9/15/2022	9/27/2022	12	14	OK
TW4-10	Methylene Chloride	9/15/2022	9/27/2022	12	14	OK
TW4-10	Nitrate + Nitrite as N	9/15/2022	9/23/2022	8	28	OK
TW4-11	Chloride	8/30/2022	9/9/2022	10	28	OK
TW4-11	Carbon Tetrachloride	8/30/2022	9/8/2022	9	14	OK
TW4-11	Chloroform	8/30/2022	9/8/2022	9	14	OK
TW4-11	Chloromethane	8/30/2022	9/8/2022	9	14	OK
TW4-11	Methylene Chloride	8/30/2022	9/8/2022	9	14	OK
TW4-11	Nitrate + Nitrite as N	8/30/2022	9/7/2022	8	28	OK
TW4-12	Chloride	9/13/2022	9/23/2022	10	28	OK
TW4-12	Carbon Tetrachloride	9/13/2022	9/26/2022	13	14	OK
TW4-12	Chloroform	9/13/2022	9/26/2022	13	14	OK
TW4-12	Chloromethane	9/13/2022	9/26/2022	13	14	OK
TW4-12	Methylene Chloride	9/13/2022	9/26/2022	13	14	OK
TW4-12	Nitrate + Nitrite as N	9/13/2022	9/23/2022	10	28	OK
TW4-13	Chloride	9/13/2022	9/23/2022	10	28	OK
TW4-13	Carbon Tetrachloride	9/13/2022	9/26/2022	13	14	OK
TW4-13	Chloroform	9/13/2022	9/26/2022	13	14	OK
TW4-13	Chloromethane	9/13/2022	9/26/2022	13	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
TW4-13	Methylene Chloride	9/13/2022	9/26/2022	13	14	OK
TW4-13	Nitrate + Nitrite as N	9/13/2022	9/23/2022	10	28	OK
TW4-14	Chloride	9/14/2022	9/23/2022	9	28	OK
TW4-14	Carbon Tetrachloride	9/14/2022	9/26/2022	12	14	OK
TW4-14	Chloroform	9/14/2022	9/26/2022	12	14	OK
TW4-14	Chloromethane	9/14/2022	9/26/2022	12	14	OK
TW4-14	Methylene Chloride	9/14/2022	9/26/2022	12	14	OK
TW4-14	Nitrate + Nitrite as N	9/14/2022	9/23/2022	9	28	OK
MW-26	Chloride	8/30/2022	9/9/2022	10	28	OK
MW-26	Carbon Tetrachloride	8/30/2022	9/7/2022	8	14	OK
MW-26	Chloroform	8/30/2022	9/7/2022	8	14	OK
MW-26	Chloromethane	8/30/2022	9/7/2022	8	14	OK
MW-26	Methylene Chloride	8/30/2022	9/7/2022	8	14	OK
MW-26	Nitrate + Nitrite as N	8/30/2022	9/7/2022	8	28	OK
TW4-16	Chloride	9/15/2022	9/23/2022	8	28	OK
TW4-16	Carbon Tetrachloride	9/15/2022	9/27/2022	12	14	OK
TW4-16	Chloroform	9/15/2022	9/27/2022	12	14	OK
TW4-16	Chloromethane	9/15/2022	9/27/2022	12	14	OK
TW4-16	Methylene Chloride	9/15/2022	9/27/2022	12	14	OK
TW4-16	Nitrate + Nitrite as N	9/15/2022	9/23/2022	8	28	OK
TW4-16R	Chloride	9/14/2022	9/23/2022	9	28	OK
TW4-16R	Carbon Tetrachloride	9/14/2022	9/27/2022	13	14	OK
TW4-16R	Chloroform	9/14/2022	9/27/2022	13	14	OK
TW4-16R	Chloromethane	9/14/2022	9/27/2022	13	14	OK
TW4-16R	Methylene Chloride	9/14/2022	9/27/2022	13	14	OK
TW4-16R	Nitrate + Nitrite as N	9/14/2022	9/23/2022	9	28	OK
MW-32	Chloride	9/15/2022	9/23/2022	8	28	OK
MW-32	Carbon Tetrachloride	9/15/2022	9/27/2022	12	14	OK
MW-32	Chloroform	9/15/2022	9/27/2022	12	14	OK
MW-32	Chloromethane	9/15/2022	9/27/2022	12	14	OK
MW-32	Methylene Chloride	9/15/2022	9/27/2022	12	14	OK
MW-32	Nitrate + Nitrite as N	9/15/2022	9/23/2022	8	28	OK
TW4-18	Chloride	9/14/2022	9/23/2022	9	28	OK
TW4-18	Carbon Tetrachloride	9/14/2022	9/27/2022	13	14	OK
TW4-18	Chloroform	9/14/2022	9/27/2022	13	14	OK
TW4-18	Chloromethane	9/14/2022	9/27/2022	13	14	OK
TW4-18	Methylene Chloride	9/14/2022	9/27/2022	13	14	OK
TW4-18	Nitrate + Nitrite as N	9/14/2022	9/23/2022	9	28	OK
TW4-19	Chloride	8/30/2022	9/9/2022	10	28	OK
TW4-19	Carbon Tetrachloride	8/30/2022	9/8/2022	9	14	OK
TW4-19	Chloroform	8/30/2022	9/8/2022	9	14	OK
TW4-19	Chloromethane	8/30/2022	9/8/2022	9	14	OK
TW4-19	Methylene Chloride	8/30/2022	9/8/2022	9	14	OK
TW4-19	Nitrate + Nitrite as N	8/30/2022	9/7/2022	8	28	OK
TW4-21	Chloride	8/30/2022	9/9/2022	10	28	OK
TW4-21	Carbon Tetrachloride	8/30/2022	9/7/2022	8	14	OK
TW4-21	Chloroform	8/30/2022	9/7/2022	8	14	OK
TW4-21	Chloromethane	8/30/2022	9/7/2022	8	14	OK

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Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
TW4-21	Methylene Chloride	8/30/2022	9/7/2022	8	14	OK
TW4-21	Nitrate + Nitrite as N	8/30/2022	9/7/2022	8	28	OK
TW4-22	Chloride	8/30/2022	9/9/2022	10	28	OK
TW4-22	Carbon Tetrachloride	8/30/2022	9/8/2022	9	14	OK
TW4-22	Chloroform	8/30/2022	9/8/2022	9	14	OK
TW4-22	Chloromethane	8/30/2022	9/8/2022	9	14	OK
TW4-22	Methylene Chloride	8/30/2022	9/8/2022	9	14	OK
TW4-22	Nitrate + Nitrite as N	8/30/2022	9/7/2022	8	28	OK
TW4-23	Chloride	9/14/2022	9/23/2022	9	28	OK
TW4-23	Carbon Tetrachloride	9/14/2022	9/26/2022	12	14	OK
TW4-23	Chloroform	9/14/2022	9/26/2022	12	14	OK
TW4-23	Chloromethane	9/14/2022	9/26/2022	12	14	OK
TW4-23	Methylene Chloride	9/14/2022	9/26/2022	12	14	OK
TW4-23	Nitrate + Nitrite as N	9/14/2022	9/23/2022	9	28	OK
TW4-24	Chloride	8/30/2022	9/9/2022	10	28	OK
TW4-24	Carbon Tetrachloride	8/30/2022	9/7/2022	8	14	OK
TW4-24	Chloroform	8/30/2022	9/7/2022	8	14	OK
TW4-24	Chloromethane	8/30/2022	9/7/2022	8	14	OK
TW4-24	Methylene Chloride	8/30/2022	9/7/2022	8	14	OK
TW4-24	Nitrate + Nitrite as N	8/30/2022	9/7/2022	8	28	OK
TW4-25	Chloride	8/30/2022	9/8/2022	9	28	OK
TW4-25	Carbon Tetrachloride	8/30/2022	9/7/2022	8	14	OK
TW4-25	Chloroform	8/30/2022	9/7/2022	8	14	OK
TW4-25	Chloromethane	8/30/2022	9/7/2022	8	14	OK
TW4-25	Methylene Chloride	8/30/2022	9/7/2022	8	14	OK
TW4-25	Nitrate + Nitrite as N	8/30/2022	9/7/2022	8	28	OK
TW4-26	Chloride	9/15/2022	9/24/2022	9	28	OK
TW4-26	Carbon Tetrachloride	9/15/2022	9/27/2022	12	14	OK
TW4-26	Chloroform	9/15/2022	9/27/2022	12	14	OK
TW4-26	Chloromethane	9/15/2022	9/27/2022	12	14	OK
TW4-26	Methylene Chloride	9/15/2022	9/27/2022	12	14	OK
TW4-26	Nitrate + Nitrite as N	9/15/2022	9/23/2022	8	28	OK
TW4-27	Chloride	9/14/2022	9/23/2022	9	28	OK
TW4-27	Carbon Tetrachloride	9/14/2022	9/26/2022	12	14	OK
TW4-27	Chloroform	9/14/2022	9/26/2022	12	14	OK
TW4-27	Chloromethane	9/14/2022	9/26/2022	12	14	OK
TW4-27	Methylene Chloride	9/14/2022	9/26/2022	12	14	OK
TW4-27	Nitrate + Nitrite as N	9/14/2022	9/23/2022	9	28	OK
TW4-28	Chloride	9/13/2022	9/23/2022	10	28	OK
TW4-28	Carbon Tetrachloride	9/13/2022	9/26/2022	13	14	OK
TW4-28	Chloroform	9/13/2022	9/26/2022	13	14	OK
TW4-28	Chloromethane	9/13/2022	9/26/2022	13	14	OK
TW4-28	Methylene Chloride	9/13/2022	9/26/2022	13	14	OK
TW4-28	Nitrate + Nitrite as N	9/13/2022	9/23/2022	10	28	OK
TW4-29	Chloride	9/15/2022	9/24/2022	9	28	OK
TW4-29	Carbon Tetrachloride	9/15/2022	9/27/2022	12	14	OK
TW4-29	Chloroform	9/15/2022	9/27/2022	12	14	OK
TW4-29	Chloromethane	9/15/2022	9/27/2022	12	14	OK

I-2: Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
TW4-29	Methylene Chloride	9/15/2022	9/27/2022	12	14	OK
TW4-29	Nitrate + Nitrite as N	9/15/2022	9/23/2022	8	28	OK
TW4-30	Chloride	9/14/2022	9/23/2022	9	28	OK
TW4-30	Carbon Tetrachloride	9/14/2022	9/27/2022	13	14	OK
TW4-30	Chloroform	9/14/2022	9/27/2022	13	14	OK
TW4-30	Chloromethane	9/14/2022	9/27/2022	13	14	OK
TW4-30	Methylene Chloride	9/14/2022	9/27/2022	13	14	OK
TW4-30	Nitrate + Nitrite as N	9/14/2022	9/23/2022	9	28	OK
TW4-31	Chloride	9/13/2022	9/23/2022	10	28	OK
TW4-31	Carbon Tetrachloride	9/13/2022	9/26/2022	13	14	OK
TW4-31	Chloroform	9/13/2022	9/26/2022	13	14	OK
TW4-31	Chloromethane	9/13/2022	9/26/2022	13	14	OK
TW4-31	Methylene Chloride	9/13/2022	9/26/2022	13	14	OK
TW4-31	Nitrate + Nitrite as N	9/13/2022	9/23/2022	10	28	OK
TW4-32	Chloride	9/13/2022	9/23/2022	10	28	OK
TW4-32	Carbon Tetrachloride	9/13/2022	9/26/2022	13	14	OK
TW4-32	Chloroform	9/13/2022	9/26/2022	13	14	OK
TW4-32	Chloromethane	9/13/2022	9/26/2022	13	14	OK
TW4-32	Methylene Chloride	9/13/2022	9/26/2022	13	14	OK
TW4-32	Nitrate + Nitrite as N	9/13/2022	9/23/2022	10	28	OK
TW4-33	Chloride	9/14/2022	9/23/2022	9	28	OK
TW4-33	Carbon Tetrachloride	9/14/2022	9/26/2022	12	14	OK
TW4-33	Chloroform	9/14/2022	9/26/2022	12	14	OK
TW4-33	Chloromethane	9/14/2022	9/26/2022	12	14	OK
TW4-33	Methylene Chloride	9/14/2022	9/26/2022	12	14	OK
TW4-33	Nitrate + Nitrite as N	9/14/2022	9/23/2022	9	28	OK
TW4-34	Chloride	9/14/2022	9/23/2022	9	28	OK
TW4-34	Carbon Tetrachloride	9/14/2022	9/26/2022	12	14	OK
TW4-34	Chloroform	9/14/2022	9/26/2022	12	14	OK
TW4-34	Chloromethane	9/14/2022	9/26/2022	12	14	OK
TW4-34	Methylene Chloride	9/14/2022	9/26/2022	12	14	OK
TW4-34	Nitrate + Nitrite as N	9/14/2022	9/23/2022	9	28	OK
TW4-35	Chloride	9/14/2022	9/23/2022	9	28	OK
TW4-35	Carbon Tetrachloride	9/14/2022	9/26/2022	12	14	OK
TW4-35	Chloroform	9/14/2022	9/26/2022	12	14	OK
TW4-35	Chloromethane	9/14/2022	9/26/2022	12	14	OK
TW4-35	Methylene Chloride	9/14/2022	9/26/2022	12	14	OK
TW4-35	Nitrate + Nitrite as N	9/14/2022	9/23/2022	9	28	OK
TW4-36	Chloride	9/13/2022	9/23/2022	10	28	OK
TW4-36	Carbon Tetrachloride	9/13/2022	9/26/2022	13	14	OK
TW4-36	Chloroform	9/13/2022	9/26/2022	13	14	OK
TW4-36	Chloromethane	9/13/2022	9/26/2022	13	14	OK
TW4-36	Methylene Chloride	9/13/2022	9/26/2022	13	14	OK
TW4-36	Nitrate + Nitrite as N	9/13/2022	9/23/2022	10	28	OK
TW4-37	Chloride	8/30/2022	9/9/2022	10	28	OK
TW4-37	Carbon Tetrachloride	8/30/2022	9/8/2022	9	14	OK
TW4-37	Chloroform	8/30/2022	9/8/2022	9	14	OK
TW4-37	Chloromethane	8/30/2022	9/8/2022	9	14	OK

I-2: Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
TW4-37	Methylene Chloride	8/30/2022	9/8/2022	9	14	OK
TW4-37	Nitrate + Nitrite as N	8/30/2022	9/7/2022	8	28	OK
TW4-38	Chloride	9/14/2022	9/23/2022	9	28	OK
TW4-38	Carbon Tetrachloride	9/14/2022	9/26/2022	12	14	OK
TW4-38	Chloroform	9/14/2022	9/26/2022	12	14	OK
TW4-38	Chloromethane	9/14/2022	9/26/2022	12	14	OK
TW4-38	Methylene Chloride	9/14/2022	9/26/2022	12	14	OK
TW4-38	Nitrate + Nitrite as N	9/14/2022	9/23/2022	9	28	OK
TW4-39	Chloride	8/30/2022	9/9/2022	10	28	OK
TW4-39	Carbon Tetrachloride	8/30/2022	9/7/2022	8	14	OK
TW4-39	Chloroform	8/30/2022	9/7/2022	8	14	OK
TW4-39	Chloromethane	8/30/2022	9/7/2022	8	14	OK
TW4-39	Methylene Chloride	8/30/2022	9/7/2022	8	14	OK
TW4-39	Nitrate + Nitrite as N	8/30/2022	9/7/2022	8	28	OK
TW4-40	Chloride	8/30/2022	9/9/2022	10	28	OK
TW4-40	Carbon Tetrachloride	8/30/2022	9/7/2022	8	14	OK
TW4-40	Chloroform	8/30/2022	9/7/2022	8	14	OK
TW4-40	Chloromethane	8/30/2022	9/7/2022	8	14	OK
TW4-40	Methylene Chloride	8/30/2022	9/7/2022	8	14	OK
TW4-40	Nitrate + Nitrite as N	8/30/2022	9/7/2022	8	28	OK
TW4-41	Chloride	8/30/2022	9/9/2022	10	28	OK
TW4-41	Carbon Tetrachloride	8/30/2022	9/8/2022	9	14	OK
TW4-41	Chloroform	8/30/2022	9/8/2022	9	14	OK
TW4-41	Chloromethane	8/30/2022	9/8/2022	9	14	OK
TW4-41	Methylene Chloride	8/30/2022	9/8/2022	9	14	OK
TW4-41	Nitrate + Nitrite as N	8/30/2022	9/7/2022	8	28	OK
TW4-42	Chloride	9/13/2022	9/21/2022	8	28	OK
TW4-42	Carbon Tetrachloride	9/13/2022	9/26/2022	13	14	OK
TW4-42	Chloroform	9/13/2022	9/26/2022	13	14	OK
TW4-42	Chloromethane	9/13/2022	9/26/2022	13	14	OK
TW4-42	Methylene Chloride	9/13/2022	9/26/2022	13	14	OK
TW4-42	Nitrate + Nitrite as N	9/13/2022	9/23/2022	10	28	OK
TW4-43	Chloride	9/13/2022	9/23/2022	10	28	OK
TW4-43	Carbon Tetrachloride	9/13/2022	9/26/2022	13	14	OK
TW4-43	Chloroform	9/13/2022	9/26/2022	13	14	OK
TW4-43	Chloromethane	9/13/2022	9/26/2022	13	14	OK
TW4-43	Methylene Chloride	9/13/2022	9/26/2022	13	14	OK
TW4-43	Nitrate + Nitrite as N	9/13/2022	9/23/2022	10	28	OK
TW4-60	Chloride	8/30/2022	9/9/2022	10	28	OK
TW4-60	Carbon Tetrachloride	8/30/2022	9/12/2022	13	14	OK
TW4-60	Chloroform	8/30/2022	9/12/2022	13	14	OK
TW4-60	Chloromethane	8/30/2022	9/12/2022	13	14	OK
TW4-60	Methylene Chloride	8/30/2022	9/12/2022	13	14	OK
TW4-60	Nitrate + Nitrite as N	8/30/2022	9/7/2022	8	28	OK
TW4-65	Chloride	9/13/2022	9/23/2022	10	28	OK
TW4-65	Carbon Tetrachloride	9/13/2022	9/26/2022	13	14	OK
TW4-65	Chloroform	9/13/2022	9/26/2022	13	14	OK
TW4-65	Chloromethane	9/13/2022	9/26/2022	13	14	OK

I-2: Holding Time Evaluation

Location ID	Parameter Name	Sample Date	Analysis Date	Hold Time (Days)	Allowed Hold Time (Days)	Hold Time Check
TW4-65	Methylene Chloride	9/13/2022	9/26/2022	13	14	OK
TW4-65	Nitrate + Nitrite as N	9/13/2022	9/23/2022	10	28	OK
TW4-70	Chloride	9/14/2022	9/23/2022	9	28	OK
TW4-70	Carbon Tetrachloride	9/14/2022	9/27/2022	13	14	OK
TW4-70	Chloroform	9/14/2022	9/27/2022	13	14	OK
TW4-70	Chloromethane	9/14/2022	9/27/2022	13	14	OK
TW4-70	Methylene Chloride	9/14/2022	9/27/2022	13	14	OK
TW4-70	Nitrate + Nitrite as N	9/14/2022	9/23/2022	9	28	OK
TW4-75	Chloride	9/15/2022	9/24/2022	9	28	OK
TW4-75	Carbon Tetrachloride	9/15/2022	9/27/2022	12	14	OK
TW4-75	Chloroform	9/15/2022	9/27/2022	12	14	OK
TW4-75	Chloromethane	9/15/2022	9/27/2022	12	14	OK
TW4-75	Methylene Chloride	9/15/2022	9/27/2022	12	14	OK
TW4-75	Nitrate + Nitrite as N	9/15/2022	9/23/2022	8	28	OK

Table I-3 Recipt Temperature Check

Sample Batch	Wells in Batch	Temperature
22I0046	MW-04, TW4-01, TW4-02, TW4-04, TW4-11, MW-26,TW4-19, TW4-21, TW4-22, TW4-24, TW4-25, TW4-37, TW4-39, TW4-40, TW4-41, TW4-60, Trip	1.2°C
22I1410	TW4-03, TW4-03R, TW5-05, TW4-06, TW4-07, TW4-08, TW4-09, TW4-10, TW4-12, TW4-13, TW4-14, TW4-16, TW4-16R, MW-32, TW4-18, TW4-23, TW4-26, TW4-27, TW4-28, TW4-29, TW4-30, TW4-31, TW4-32, TW4-33, TW4-34, TW4-35,TW4-36, TW4-38, TW4-42, TW4-43, TW4-65, TW4-70, TW4-75, Trip Blank	2.4°C

I-4 Analytical Method Check

Parameter	Method	Method Used by Lab
Carbon Tetrachloride	SW8260B, SW8260C or SW8260D	SW8260D
Chloride	A4500-Cl B or A4500-Cl E or E300.0	E300.0
Chloroform	SW8260B, SW8260C or SW8260D	SW8260D
Chloromethane	SW8260B, SW8260C or SW8260D	SW8260D
Methylene chloride	SW8260B, SW8260C or SW8260D	SW8260D
Nitrogen	E353.1 or E353.2	E353.2

All parameters were analyzed using the reporting method specificied in the QAP

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
Trip Blank	Carbon Tetrachloride	1	ug/L	U	1	1	OK
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Chloromethane	1	ug/L	U	1	1	OK
Trip Blank	Methylene Chloride	1	ug/L	U	1	1	OK
Trip Blank	Carbon Tetrachloride	1	ug/L	U	1	1	OK
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Chloromethane	1	ug/L	U	1	1	OK
Trip Blank	Methylene Chloride	1	ug/L	U	1	1	OK
Trip Blank	Carbon Tetrachloride	1	ug/L	U	1	1	OK
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Chloromethane	1	ug/L	U	1	1	OK
Trip Blank	Methylene Chloride	1	ug/L	U	1	1	OK
Trip Blank	Carbon Tetrachloride	1	ug/L	U	1	1	OK
Trip Blank	Chloroform	1	ug/L	U	1	1	OK
Trip Blank	Chloromethane	1	ug/L	U	1	1	OK
Trip Blank	Methylene Chloride	1	ug/L	U	1	1	OK
MW-04	Chloride	1	mg/L		1	1	OK
MW-04	Carbon Tetrachloride	1	ug/L	U	1	1	OK
MW-04	Chloroform	100	ug/L		100	1	OK
MW-04	Chloromethane	1	ug/L	U	1	1	OK
MW-04	Methylene Chloride	1	ug/L	U	1	1	OK
MW-04	Nitrate + Nitrite as N	0.2	mg/L		2	0.1	OK
TW4-01	Chloride	1	mg/L		1	1	OK
TW4-01	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-01	Chloroform	100	ug/L		100	1	OK
TW4-01	Chloromethane	1	ug/L	U	1	1	OK
TW4-01	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-01	Nitrate + Nitrite as N	0.1	mg/L		1	0.1	OK
TW4-02	Chloride	1	mg/L		1	1	OK
TW4-02	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-02	Chloroform	100	ug/L		100	1	OK
TW4-02	Chloromethane	1	ug/L	U	1	1	OK
TW4-02	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-02	Nitrate + Nitrite as N	0.1	mg/L		1	0.1	OK
TW4-03	Chloride	1	mg/L		1	1	OK
TW4-03	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-03	Chloroform	1	ug/L	U	1	1	OK
TW4-03	Chloromethane	1	ug/L	U	1	1	OK
TW4-03	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-03	Nitrate + Nitrite as N	0.5	mg/L		5	0.1	OK
TW4-03R	Chloride	1	mg/L	U	1	1	OK
TW4-03R	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-03R	Chloroform	1	ug/L	U	1	1	OK
TW4-03R	Chloromethane	1	ug/L	U	1	1	OK
TW4-03R	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-03R	Nitrate + Nitrite as N	0.1	mg/L	U	1	0.1	OK
TW4-04	Chloride	1	mg/L		1	1	OK
TW4-04	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-04	Chloroform	100	ug/L		100	1	OK
TW4-04	Chloromethane	1	ug/L	U	1	1	OK

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
TW4-04	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-04	Nitrate + Nitrite as N	0.2	mg/L		2	0.1	OK
TW4-05	Chloride	1	mg/L		1	1	OK
TW4-05	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-05	Chloroform	1	ug/L		1	1	OK
TW4-05	Chloromethane	1	ug/L	U	1	1	OK
TW4-05	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-05	Nitrate + Nitrite as N	0.5	mg/L		5	0.1	OK
TW4-06	Chloride	1	mg/L		1	1	OK
TW4-06	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-06	Chloroform	1	ug/L		1	1	OK
TW4-06	Chloromethane	1	ug/L	U	1	1	OK
TW4-06	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-06	Nitrate + Nitrite as N	0.1	mg/L		1	0.1	OK
TW4-07	Chloride	1	mg/L		1	1	OK
TW4-07	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-07	Chloroform	100	ug/L		100	1	OK
TW4-07	Chloromethane	1	ug/L	U	1	1	OK
TW4-07	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-07	Nitrate + Nitrite as N	0.2	mg/L		2	0.1	OK
TW4-08	Chloride	1	mg/L		1	1	OK
TW4-08	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-08	Chloroform	1	ug/L		1	1	OK
TW4-08	Chloromethane	1	ug/L	U	1	1	OK
TW4-08	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-08	Nitrate + Nitrite as N	0.1	mg/L		1	0.1	OK
TW4-09	Chloride	1	mg/L		1	1	OK
TW4-09	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-09	Chloroform	1	ug/L		1	1	OK
TW4-09	Chloromethane	1	ug/L	U	1	1	OK
TW4-09	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-09	Nitrate + Nitrite as N	0.1	mg/L		1	0.1	OK
TW4-10	Chloride	1	mg/L		1	1	OK
TW4-10	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-10	Chloroform	100	ug/L		100	1	OK
TW4-10	Chloromethane	1	ug/L	U	1	1	OK
TW4-10	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-10	Nitrate + Nitrite as N	0.5	mg/L		5	0.1	OK
TW4-11	Chloride	1	mg/L		1	1	OK
TW4-11	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-11	Chloroform	100	ug/L		100	1	OK
TW4-11	Chloromethane	1	ug/L	U	1	1	OK
TW4-11	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-11	Nitrate + Nitrite as N	0.5	mg/L		5	0.1	OK
TW4-12	Chloride	1	mg/L		1	1	OK
TW4-12	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-12	Chloroform	1	ug/L	U	1	1	OK
TW4-12	Chloromethane	1	ug/L	U	1	1	OK
TW4-12	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-12	Nitrate + Nitrite as N	0.5	mg/L		5	0.1	OK

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
TW4-13	Chloride	1	mg/L		1	1	OK
TW4-13	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-13	Chloroform	1	ug/L	U	1	1	OK
TW4-13	Chloromethane	1	ug/L	U	1	1	OK
TW4-13	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-13	Nitrate + Nitrite as N	0.5	mg/L		5	0.1	OK
TW4-14	Chloride	1	mg/L		1	1	OK
TW4-14	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-14	Chloroform	1	ug/L		1	1	OK
TW4-14	Chloromethane	1	ug/L	U	1	1	OK
TW4-14	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-14	Nitrate + Nitrite as N	0.5	mg/L		5	0.1	OK
MW-26	Chloride	5	mg/L		5	1	OK
MW-26	Carbon Tetrachloride	1	ug/L	U	1	1	OK
MW-26	Chloroform	100	ug/L		100	1	OK
MW-26	Chloromethane	1	ug/L	U	1	1	OK
MW-26	Methylene Chloride	1	ug/L	U	1	1	OK
MW-26	Nitrate + Nitrite as N	0.1	mg/L		1	0.1	OK
TW4-16	Chloride	1	mg/L		1	1	OK
TW4-16	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-16	Chloroform	10	ug/L		10	1	OK
TW4-16	Chloromethane	1	ug/L	U	1	1	OK
TW4-16	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-16	Nitrate + Nitrite as N	0.5	mg/L		5	0.1	OK
TW4-16R	Chloride	1	mg/L	U	1	1	OK
TW4-16R	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-16R	Chloroform	1	ug/L		1	1	OK
TW4-16R	Chloromethane	1	ug/L	U	1	1	OK
TW4-16R	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-16R	Nitrate + Nitrite as N	0.1	mg/L	U	1	0.1	OK
MW-32	Chloride	1	mg/L		1	1	OK
MW-32	Carbon Tetrachloride	1	ug/L	U	1	1	OK
MW-32	Chloroform	1	ug/L	U	1	1	OK
MW-32	Chloromethane	1	ug/L	U	1	1	OK
MW-32	Methylene Chloride	1	ug/L	U	1	1	OK
MW-32	Nitrate + Nitrite as N	0.1	mg/L	U	1	0.1	OK
TW4-18	Chloride	1	mg/L		1	1	OK
TW4-18	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-18	Chloroform	1	ug/L		1	1	OK
TW4-18	Chloromethane	1	ug/L	U	1	1	OK
TW4-18	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-18	Nitrate + Nitrite as N	0.5	mg/L		5	0.1	OK
TW4-19	Chloride	5	mg/L		5	1	OK
TW4-19	Carbon Tetrachloride	1	ug/L		1	1	OK
TW4-19	Chloroform	100	ug/L		100	1	OK
TW4-19	Chloromethane	1	ug/L	U	1	1	OK
TW4-19	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-19	Nitrate + Nitrite as N	0.1	mg/L		1	0.1	OK
TW4-21	Chloride	5	mg/L		5	1	OK
TW4-21	Carbon Tetrachloride	1	ug/L	U	1	1	OK

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
TW4-21	Chloroform	100	ug/L		100	1	OK
TW4-21	Chloromethane	1	ug/L	U	1	1	OK
TW4-21	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-21	Nitrate + Nitrite as N	0.5	mg/L		5	0.1	OK
TW4-22	Chloride	10	mg/L		10	1	OK
TW4-22	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-22	Chloroform	100	ug/L		100	1	OK
TW4-22	Chloromethane	1	ug/L	U	1	1	OK
TW4-22	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-22	Nitrate + Nitrite as N	2	mg/L		20	0.1	OK
TW4-23	Chloride	1	mg/L		1	1	OK
TW4-23	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-23	Chloroform	1	ug/L	U	1	1	OK
TW4-23	Chloromethane	1	ug/L	U	1	1	OK
TW4-23	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-23	Nitrate + Nitrite as N	0.1	mg/L	U	1	0.1	OK
TW4-24	Chloride	10	mg/L		10	1	OK
TW4-24	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-24	Chloroform	10	ug/L		10	1	OK
TW4-24	Chloromethane	1	ug/L	U	1	1	OK
TW4-24	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-24	Nitrate + Nitrite as N	2	mg/L		20	0.1	OK
TW4-25	Chloride	5	mg/L		5	1	OK
TW4-25	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-25	Chloroform	1	ug/L	U	1	1	OK
TW4-25	Chloromethane	1	ug/L	U	1	1	OK
TW4-25	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-25	Nitrate + Nitrite as N	0.1	mg/L		1	0.1	OK
TW4-26	Chloride	1	mg/L		1	1	OK
TW4-26	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-26	Chloroform	100	ug/L		100	1	OK
TW4-26	Chloromethane	1	ug/L	U	1	1	OK
TW4-26	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-26	Nitrate + Nitrite as N	0.5	mg/L		5	0.1	OK
TW4-27	Chloride	1	mg/L		1	1	OK
TW4-27	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-27	Chloroform	1	ug/L		1	1	OK
TW4-27	Chloromethane	1	ug/L	U	1	1	OK
TW4-27	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-27	Nitrate + Nitrite as N	0.5	mg/L		5	0.1	OK
TW4-28	Chloride	1	mg/L		1	1	OK
TW4-28	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-28	Chloroform	1	ug/L	U	1	1	OK
TW4-28	Chloromethane	1	ug/L	U	1	1	OK
TW4-28	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-28	Nitrate + Nitrite as N	0.5	mg/L		5	0.1	OK
TW4-29	Chloride	1	mg/L		1	1	OK
TW4-29	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-29	Chloroform	100	ug/L		100	1	OK
TW4-29	Chloromethane	1	ug/L	U	1	1	OK

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
TW4-29	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-29	Nitrate + Nitrite as N	0.5	mg/L		5	0.1	OK
TW4-30	Chloride	1	mg/L		1	1	OK
TW4-30	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-30	Chloroform	1	ug/L		1	1	OK
TW4-30	Chloromethane	1	ug/L	U	1	1	OK
TW4-30	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-30	Nitrate + Nitrite as N	0.2	mg/L		2	0.1	OK
TW4-31	Chloride	1	mg/L		1	1	OK
TW4-31	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-31	Chloroform	1	ug/L	U	1	1	OK
TW4-31	Chloromethane	1	ug/L	U	1	1	OK
TW4-31	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-31	Nitrate + Nitrite as N	0.1	mg/L		1	0.1	OK
TW4-32	Chloride	1	mg/L		1	1	OK
TW4-32	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-32	Chloroform	1	ug/L	U	1	1	OK
TW4-32	Chloromethane	1	ug/L	U	1	1	OK
TW4-32	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-32	Nitrate + Nitrite as N	0.5	mg/L		5	0.1	OK
TW4-33	Chloride	1	mg/L		1	1	OK
TW4-33	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-33	Chloroform	1	ug/L		1	1	OK
TW4-33	Chloromethane	1	ug/L	U	1	1	OK
TW4-33	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-33	Nitrate + Nitrite as N	0.2	mg/L		2	0.1	OK
TW4-34	Chloride	1	mg/L		1	1	OK
TW4-34	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-34	Chloroform	1	ug/L		1	1	OK
TW4-34	Chloromethane	1	ug/L	U	1	1	OK
TW4-34	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-34	Nitrate + Nitrite as N	0.1	mg/L		1	0.1	OK
TW4-35	Chloride	1	mg/L		1	1	OK
TW4-35	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-35	Chloroform	1	ug/L	U	1	1	OK
TW4-35	Chloromethane	1	ug/L	U	1	1	OK
TW4-35	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-35	Nitrate + Nitrite as N	0.1	mg/L		1	0.1	OK
TW4-36	Chloride	1	mg/L		1	1	OK
TW4-36	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-36	Chloroform	1	ug/L	U	1	1	OK
TW4-36	Chloromethane	1	ug/L	U	1	1	OK
TW4-36	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-36	Nitrate + Nitrite as N	0.1	mg/L	U	1	0.1	OK
TW4-37	Chloride	5	mg/L		5	1	OK
TW4-37	Carbon Tetrachloride	1	ug/L		1	1	OK
TW4-37	Chloroform	1000	ug/L		1000	1	OK
TW4-37	Chloromethane	1	ug/L		1	1	OK
TW4-37	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-37	Nitrate + Nitrite as N	1	mg/L		10	0.1	OK

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
TW4-38	Chloride	1	mg/L		1	1	OK
TW4-38	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-38	Chloroform	1	ug/L	U	1	1	OK
TW4-38	Chloromethane	1	ug/L	U	1	1	OK
TW4-38	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-38	Nitrate + Nitrite as N	0.5	mg/L		5	0.1	OK
TW4-39	Chloride	5	mg/L		5	1	OK
TW4-39	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-39	Chloroform	100	ug/L		100	1	OK
TW4-39	Chloromethane	1	ug/L	U	1	1	OK
TW4-39	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-39	Nitrate + Nitrite as N	0.5	mg/L		5	0.1	OK
TW4-40	Chloride	1	mg/L		1	1	OK
TW4-40	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-40	Chloroform	100	ug/L		100	1	OK
TW4-40	Chloromethane	1	ug/L	U	1	1	OK
TW4-40	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-40	Nitrate + Nitrite as N	0.1	mg/L		1	0.1	OK
TW4-41	Chloride	1	mg/L		1	1	OK
TW4-41	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-41	Chloroform	100	ug/L		100	1	OK
TW4-41	Chloromethane	1	ug/L	U	1	1	OK
TW4-41	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-41	Nitrate + Nitrite as N	0.2	mg/L		2	0.1	OK
TW4-42	Chloride	1	mg/L		1	1	OK
TW4-42	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-42	Chloroform	1	ug/L	U	1	1	OK
TW4-42	Chloromethane	1	ug/L	U	1	1	OK
TW4-42	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-42	Nitrate + Nitrite as N	0.1	mg/L		1	0.1	OK
TW4-43	Chloride	1	mg/L		1	1	OK
TW4-43	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-43	Chloroform	1	ug/L	U	1	1	OK
TW4-43	Chloromethane	1	ug/L	U	1	1	OK
TW4-43	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-43	Nitrate + Nitrite as N	0.1	mg/L		1	0.1	OK
TW4-60	Chloride	1	mg/L	U	1	1	OK
TW4-60	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-60	Chloroform	1	ug/L	U	1	1	OK
TW4-60	Chloromethane	1	ug/L	U	1	1	OK
TW4-60	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-60	Nitrate + Nitrite as N	0.1	mg/L	U	1	0.1	OK
TW4-65	Chloride	1	mg/L		1	1	OK
TW4-65	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-65	Chloroform	1	ug/L	U	1	1	OK
TW4-65	Chloromethane	1	ug/L	U	1	1	OK
TW4-65	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-65	Nitrate + Nitrite as N	0.5	mg/L		5	0.1	OK
TW4-70	Chloride	1	mg/L		1	1	OK
TW4-70	Carbon Tetrachloride	1	ug/L	U	1	1	OK

I-5 Reporting Limit Check

Location	Analyte	Lab Reporting Limit	Units	Qualifier	Dilution Factor	Required Reporting Limit	RL Check
TW4-70	Chloroform	1	ug/L		1	1	OK
TW4-70	Chloromethane	1	ug/L	U	1	1	OK
TW4-70	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-70	Nitrate + Nitrite as N	0.1	mg/L		1	0.1	OK
TW4-75	Chloride	1	mg/L		1	1	OK
TW4-75	Carbon Tetrachloride	1	ug/L	U	1	1	OK
TW4-75	Chloroform	100	ug/L		100	1	OK
TW4-75	Chloromethane	1	ug/L	U	1	1	OK
TW4-75	Methylene Chloride	1	ug/L	U	1	1	OK
TW4-75	Nitrate + Nitrite as N	0.1	mg/L		1	0.1	OK

I-6 Trip Blank Evaluation

Lab Report	Constituent	Result	
22I0046	Carbon tetrachloride	ND	ug/L
	Chloroform	ND	ug/L
	Chloromethane	ND	ug/L
	Methylene chloride	ND	ug/L
22I1410	Carbon tetrachloride	ND	ug/L
	Chloroform	ND	ug/L
	Chloromethane	ND	ug/L
	Methylene chloride	ND	ug/L

I-7 QA/QC Evaluation for Sample Duplicates

Constituent	TW4-32	TW4-65	%RPD
Chloride (mg/L)	51.8	53.6	3.4
Nitrate + Nitrite (as N)	1.59	1.81	12.9
Carbon Tetrachloride	ND	ND	NC
Chloroform	ND	ND	NC
Chloromethane	ND	ND	NC
Dichloromethane (Methylene Chloride)	ND	ND	NC

Constituent	TW4-09	TW4-70	%RPD
Chloride (mg/L)	32.4	32.4	0.0
Nitrate + Nitrite (as N)	0.7	0.66	2.0
Carbon Tetrachloride	ND	ND	NC
Chloroform	10.8	8.7	21.5
Chloromethane	ND	ND	NC
Dichloromethane (Methylene Chloride)	ND	ND	NC

Constituent	TW4-29	TW4-75	%RPD
Chloride (mg/L)	41.8	42.0	0.5
Nitrate + Nitrite (as N)	2.8	2.76	1.4
Carbon Tetrachloride	ND	ND	NC
Chloroform	591	608	2.8
Chloromethane	ND	ND	NC
Dichloromethane (Methylene Chloride)	ND	ND	NC

RPD = Relative Percent Difference
ND = The analyte was not detected

Highlighted cells indicate an RPD that exceeded the 20% RPD criteria

I-8 QC Control Limits for Analysis and Blanks

Method Blank Detections
All Method Blanks (MB) for the quarter were nondetect.

Matrix Spike % Recoveries

Lab Report	Lab Sample ID	Well	Analyte	MS %REC	MSD %REC	REC Range	RPD	RPD Range
22I0046	22I0046-02	TW4-24	Chloride	NC	NC	80-120	NC	20
22I0046	22I0046-01	TW4-25	Nitrate	79.1	94.7	80-120	6.56	20
22I0046	N/A	N/A	Carbon Tetrachloride	68.7	60.7	70-130	12.4	20
22I0046	N/A	N/A	Chloromethane	68.3	60.7	70-130	11.8	20
22I0046	N/A	N/A	Carbon Tetrachloride	49.0	35.3	70-130	32.5	20
22I0046	N/A	N/A	Chloromethane	71.5	64.1	80-120	10.90	20
22I1410	N/A	N/A	Chloride	NC	NC	80-120	NC	20
22I1410	N/A	N/A	Chloride	NC	NC	80-120	NC	20
22I1410	22I1410-06	TW4-32	Nitrate	76.9	87.5	80-120	4.40	20
22I1410	22I410-06	TW4-02	Chloride	86.9	130	70-130	39.90	20

NC - Not calculated
* - Recovery was not calculated because the analyte of the sample was greater than 4 times the spike amount
N/A = QC was not performed on an EFRI sample.

Laboratory Control Sample

Lab Report	Analyte	LCS %REC	REC Range
22I0046	Carbon Tetrachloride	71.8	70-130
22I1410	Carbon Tetrachloride	68.5	70-130

All Surrogate recoveries were within acceptance limits for the quarter.

CCV for Carbon Tetrachloride had a low recovery, but the LCS was within limits

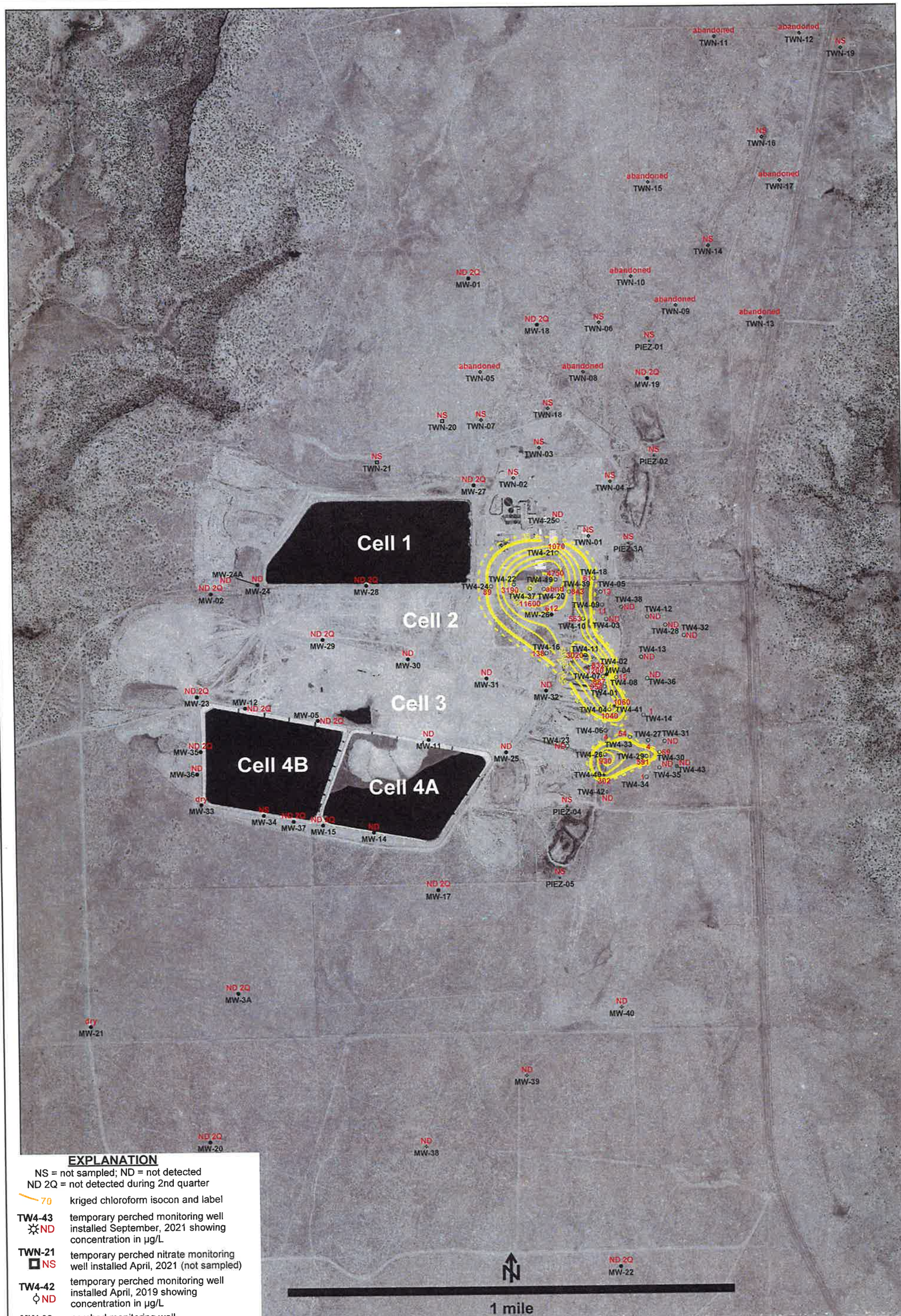
I-9 Rinsate Evaluation

Rinsate Sample	Parameter	Rinsate Result (ug/L)	Previous Well Purged
TW4-03R	Chloroform	ND	NA
TW4-16R	Chloroform	1.8	TW4-30 (68.8 ug/L)

NA = This rinsate sample was collected prior to the first use of the pump.

Tab J

Kriged Current Quarter Chloroform Isoconcentration Map



EXPLANATION

NS = not sampled; ND = not detected
ND 2Q = not detected during 2nd quarter

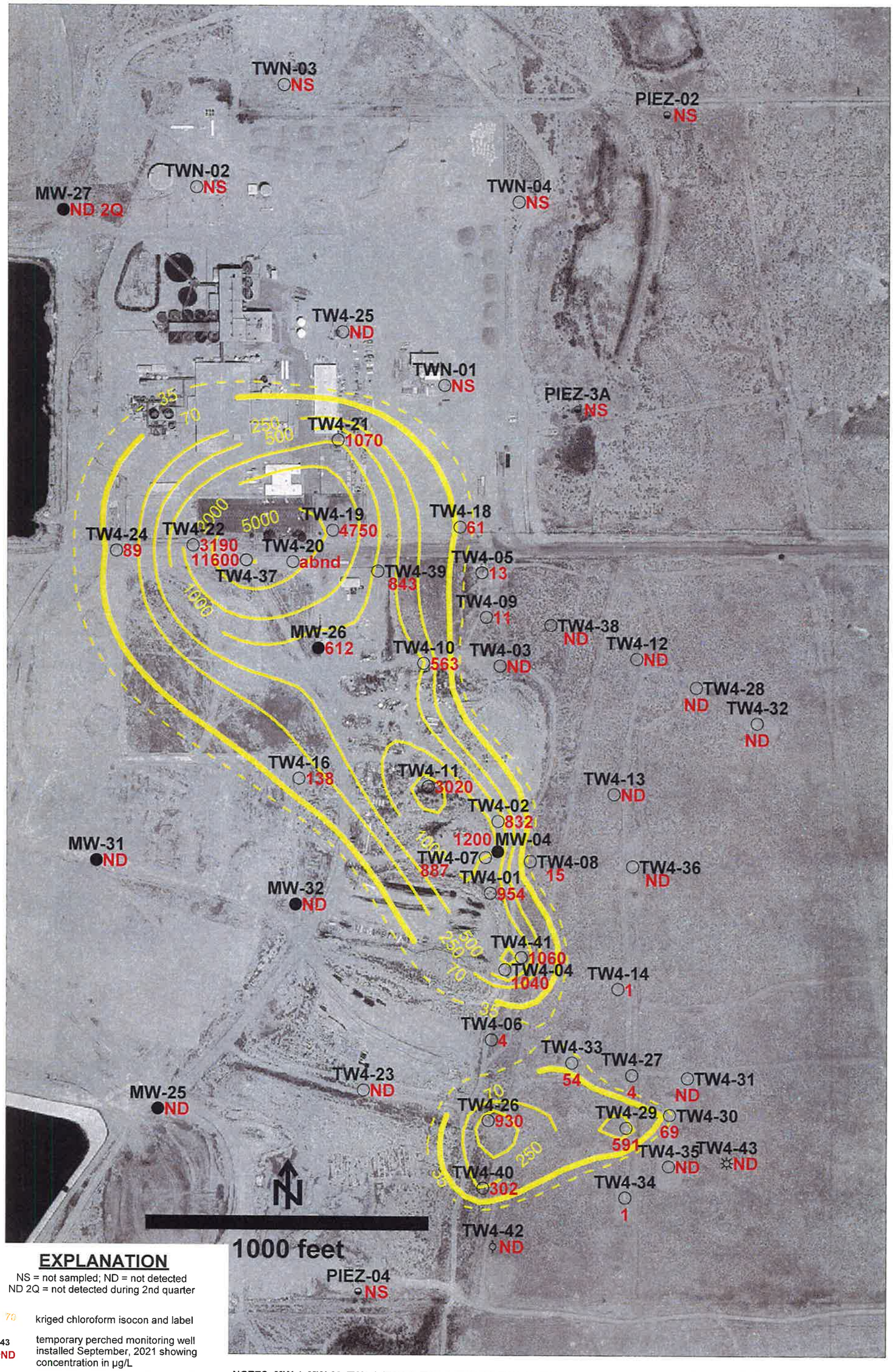
70	kriged chloroform isocon and label
TW4-43 ND	temporary perched monitoring well installed September, 2021 showing concentration in µg/L
TWN-21 NS	temporary perched nitrate monitoring well installed April, 2021 (not sampled)
TW4-42 ND	temporary perched monitoring well installed April, 2019 showing concentration in µg/L
MW-38 ND	perched monitoring well installed February, 2018 showing concentration in µg/L
MW-32 ND	perched monitoring well showing concentration in µg/L
TW4-7 887	temporary perched monitoring well showing concentration in µg/L
TWN-1 NS	temporary perched nitrate monitoring well (not sampled)
PIEZ-1 NS	perched piezometer (not sampled)

NOTES: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-21, TW4-37, TW4-39, TW4-40 and TW4-41 are chloroform pumping wells; TW4-22, TW4-24, TW4-25 and TWN-2 are nitrate pumping wells; MW-24A installed December, 2019

HYDRO GEO CHEM, INC.

KRIGED 3rd QUARTER, 2022 CHLOROFORM (µg/L) WHITE MESA SITE

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/nov22/chloroform/Uchl0922.srf	J-1



EXPLANATION

NS = not sampled; ND = not detected
ND 2Q = not detected during 2nd quarter

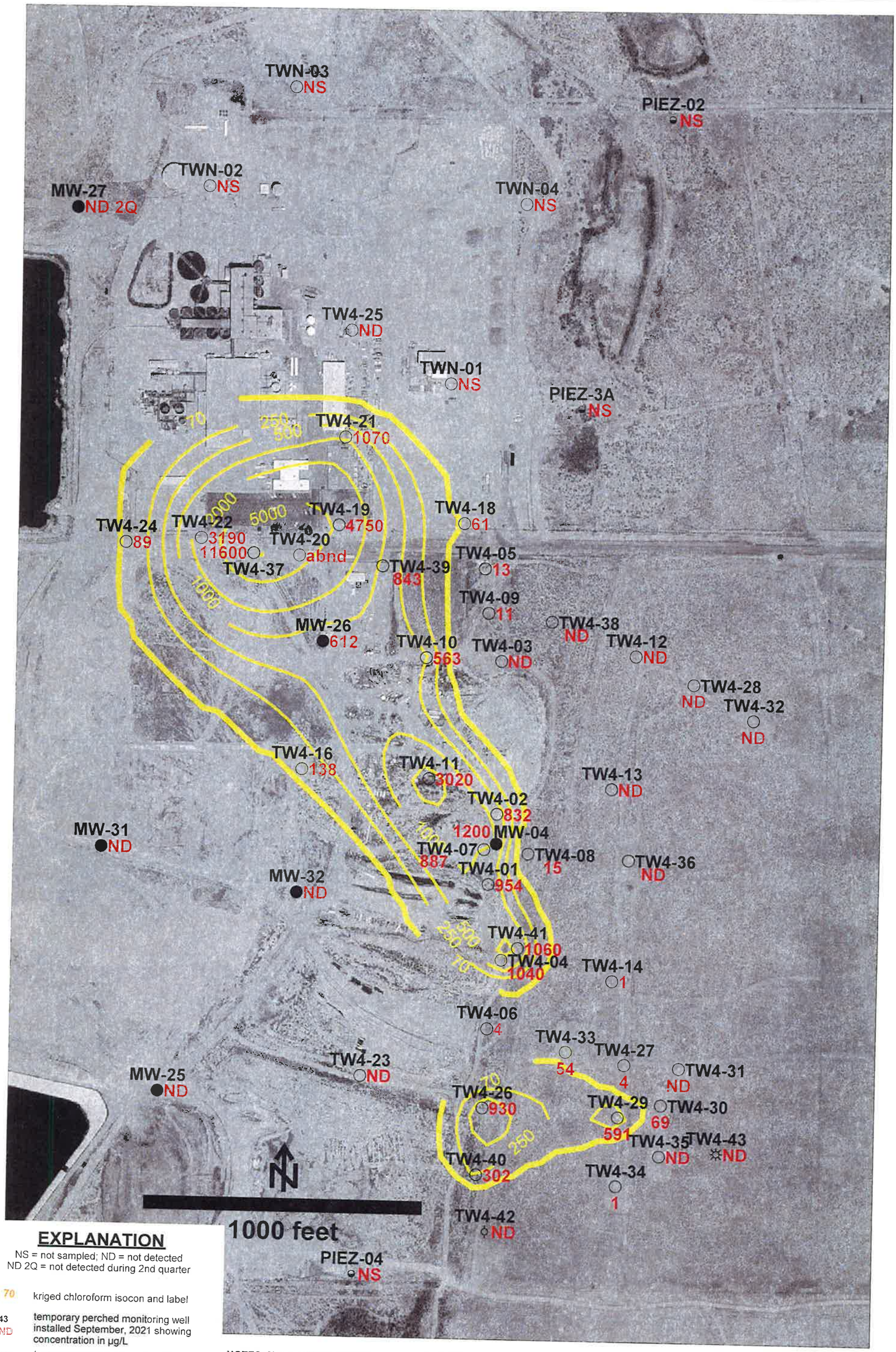
70	kriged chloroform isocon and label
TW4-43 ☼ND	temporary perched monitoring well installed September, 2021 showing concentration in µg/L
TW4-42 ◊ ND	temporary perched monitoring well installed April, 2019 showing concentration in µg/L
MW-32 ● ND	perched monitoring well showing concentration (µg/L)
TW4-7 ○ 887	temporary perched monitoring well showing concentration (µg/L)
PIEZ-2 ◒ NS	perched piezometer (not sampled)

NOTES: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-21, TW4-37, TW4-39, TW4-40 and TW4-41 are chloroform pumping wells; TW4-22, TW4-24, TW4-25 and TWN-2 are nitrate pumping wells

HYDRO GEO CHEM, INC.

KRIGED 3rd QUARTER, 2022 CHLOROFORM (µg/L) WHITE MESA SITE (detail map)

APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/nov22/chloroform/Uchl0922det.srf	J-2



EXPLANATION

NS = not sampled; ND = not detected
ND 2Q = not detected during 2nd quarter

- 70 — kriged chloroform isocon and label
- TW4-43 ☼ ND — temporary perched monitoring well installed September, 2021 showing concentration in µg/L
- TW4-42 ☼ ND — temporary perched monitoring well installed April, 2019 showing concentration in µg/L
- MW-32 ● ND — perched monitoring well showing concentration (µg/L)
- TW4-7 ○ 887 — temporary perched monitoring well showing concentration (µg/L)
- PIEZ-2 ◒ NS — perched piezometer (not sampled)

NOTES: MW-4, MW-26, TW4-1, TW4-2, TW4-4, TW4-11, TW4-19, TW4-21, TW4-37, TW4-39, TW4-40 and TW4-41 are chloroform pumping wells; TW4-22, TW4-24, TW4-25 and TWN-2 are nitrate pumping wells

HYDRO GEO CHEM, INC.

3rd QUARTER, 2022 CHLOROFORM GREATER THAN OR EQUAL TO 70 µg/L GRID WHITE MESA SITE

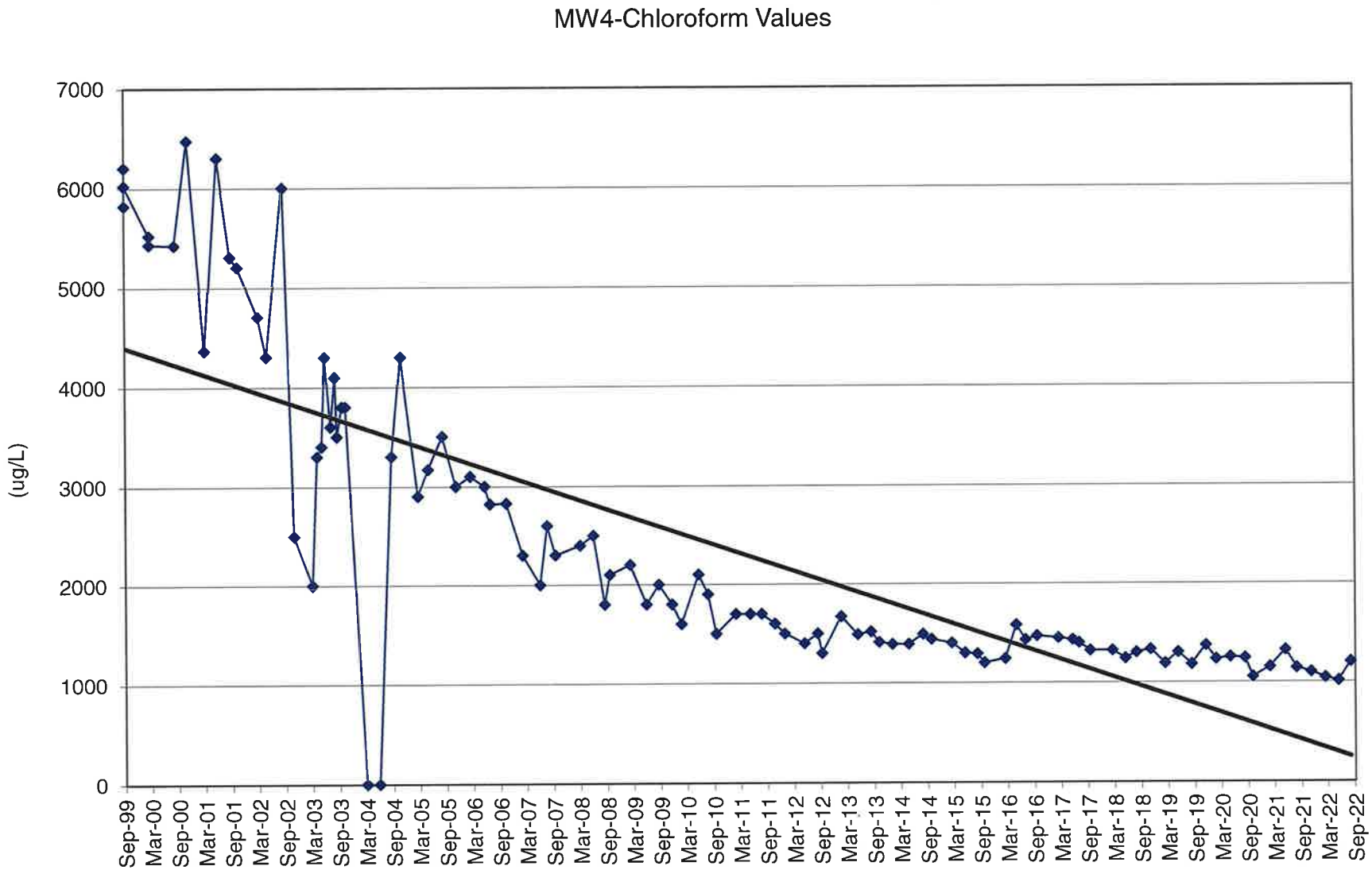
APPROVED	DATE	REFERENCE	FIGURE
		H:/718000/nov22/chloroform/Uchl0922GE70.srf	J-3

Tab K

Analyte Concentration Data and Chloroform Concentration Trend Graphs over Time

MW-4	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
28-Sep-99	6200					
28-Sep-99	5820					
28-Sep-99	6020					
15-Mar-00	5520					
15-Mar-00	5430					
2-Sep-00	5420				9.63	
30-Nov-00	6470				9.37	
29-Mar-01	4360				8.77	
22-Jun-01	6300				9.02	
20-Sep-01	5300				9.45	
8-Nov-01	5200				8	
26-Mar-02	4700				8.19	
22-May-02	4300				8.21	
12-Sep-02	6000				8.45	
24-Nov-02	2500				8.1	
28-Mar-03	2000				8.3	
30-Apr-03	3300				NA	
30-May-03	3400				8.2	
23-Jun-03	4300				8.2	
30-Jul-03	3600				8.1	
29-Aug-03	4100				8.4	
12-Sep-03	3500				8.5	
15-Oct-03	3800				8.1	
8-Nov-03	3800				8	
29-Mar-04	NA				NA	
22-Jun-04	NA				NA	
17-Sep-04	3300				6.71	
17-Nov-04	4300				7.5	
16-Mar-05	2900				6.3	
25-May-05	3170	NA	NA	NA	7.1	NA
31-Aug-05	3500	<10	<10	<10	7.0	NA
1-Dec-05	3000	<50	<50	<50	7.0	NA
9-Mar-06	3100	<50	<50	50	6	49
14-Jun-06	3000	<50	<50	50	6	49
20-Jul-06	2820	<50	<50	<50	1.2	48
9-Nov-06	2830	2.1	1.4	<1	6.4	50
28-Feb-07	2300	1.6	<1	<1	6.3	47
27-Jun-07	2000	1.8	<1	<1	7	45
15-Aug-07	2600	1.9	<1	<1	6.2	47
10-Oct-07	2300	1.7	<1	<1	6.2	45
26-Mar-08	2400	1.7	<1	<1	5.8	42
25-Jun-08	2500	1.6	<1	<1	6.09	42
10-Sep-08	1800	1.8	<1	<1	6.36	35
15-Oct-08	2100	1.7	<1	<1	5.86	45
4-Mar-09	2200	1.5	<1	<1	5.7	37
23-Jun-09	1800	1.3	<1	<1	5.2	34
14-Sep-09	2000	1.4	<1	<1	5.3	43
14-Dec-09	1800	1.6	ND	ND	5.8	44
17-Feb-10	1600	1.2	ND	ND	4	45
14-Jun-10	2100	1.2	ND	ND	5.1	41
16-Aug-10	1900	1.5	ND	ND	4.8	38

MW-4	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
11-Oct-10	1500	1.4	ND	ND	4.9	41
23-Feb-11	1700	1.5	ND	ND	4.6	40
1-Jun-11	1700	1.4	ND	ND	4.9	35
17-Aug-11	1700	1.1	ND	ND	4.9	41
16-Nov-11	1600	1.3	ND	ND	5.1	40
23-Jan-12	1500	1	ND	ND	4.8	41
6-Jun-12	1400	1.2	ND	ND	4.9	39
4-Sep-12	1500	1.5	ND	ND	5	41
4-Oct-12	1300	1	ND	ND	4.8	42
11-Feb-13	1670	1.49	ND	ND	4.78	37.8
5-Jun-13	1490	1.31	ND	ND	4.22	44
3-Sep-13	1520	1.13	ND	ND	4.89	41.4
29-Oct-13	1410	5.58	ND	ND	5.25	40.1
27-Jan-14	1390	4.15	ND	ND	4.7	38.5
19-May-14	1390	5.21	ND	ND	4.08	39.9
24-Aug-14	1490	ND	7.6	ND	3.7	41
21-Oct-14	1440	ND	ND	ND	5.07	41.5
9-Mar-15	1400	1.26	ND	ND	5.75	40.7
8-Jun-15	1300	ND	ND	ND	2.53	43.1
31-Aug-15	1290	ND	ND	ND	4.79	44.3
19-Oct-15	1200	ND	ND	ND	4.43	40.8
9-Mar-16	1240	ND	ND	ND	5.15	42.2
23-May-16	1580	1.44	ND	ND	4.54	43.7
25-Jul-16	1430	ND	ND	ND	4.95	42.5
12-Oct-16	1470	1.24	ND	ND	4.88	44.8
8-Mar-17	1450	1.22	ND	ND	4.99	43.3
13-Jun-17	1430	1.15	ND	ND	4.88	44.0
26-Jul-17	1400	1.15	ND	ND	4.59	43.8
11-Oct-17	1320	ND	ND	ND	5.25	43.8
12-Mar-18	1320	1.07	ND	ND	4.47	46.2
8-Jun-18	1240	ND	ND	ND	4.64	43.5
22-Aug-18	1300	ND	ND	ND	4.55	48.5
28-Nov-18	1330	ND	ND	ND	4.44	43.1
8-Mar-19	1190	ND	ND	ND	5.05	41.5
5-Jun-19	1300	ND	ND	ND	5.16	40.6
4-Sep-19	1180	ND	ND	ND	4.69	41.9
11-Dec-19	1370	ND	ND	ND	4.34	45.5
19-Feb-20	1230	ND	ND	ND	6.22	48.1
27-May-20	1250	ND	ND	ND	5.04	40.7
4-Sep-20	1240	ND	ND	ND	4.93	43.8
28-Oct-20	1050	ND	ND	ND	4.62	41.4
23-Feb-21	1150	ND	ND	ND	4.61	46.5
9-Jun-21	1320	ND	ND	ND	6.48	34.8
24-Aug-21	1140	ND	ND	ND	3.83	43.2
1-Dec-21	1100	ND	ND	ND	4.9	47.6
9-Mar-22	1040	ND	ND	ND	4.8	40.9
8-Jun-22	1010	ND	ND	ND	3.9	43.7
30-Aug-22	1200	ND	ND	ND	4.20	44.7


MW4-Chloroform Values
(ug/L)
7000
6000
5000
4000
3000
2000
1000
0
Sep-99
Mar-00
Sep-00
Mar-01
Sep-01
Mar-02
Sep-02
Mar-03
Sep-03
Mar-04
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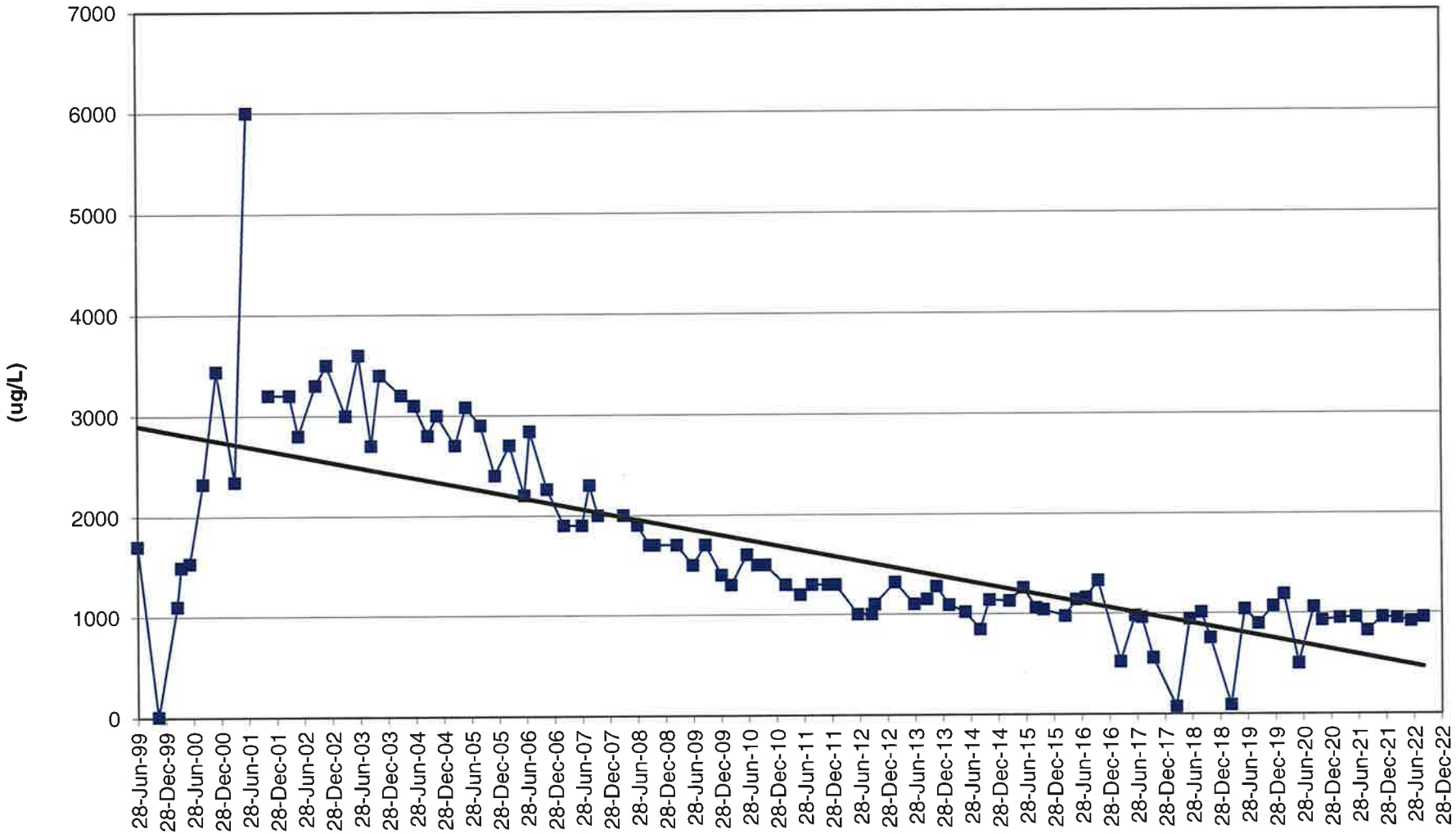
Sep-21
Mar-22
Sep-22

TW4-1	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
28-Jun-99	1700				7.2	
10-Nov-99	5.8					
15-Mar-00	1100					
10-Apr-00	1490					
6-Jun-00	1530					
2-Sep-00	2320				5.58	
30-Nov-00	3440				7.79	
29-Mar-01	2340				7.15	
22-Jun-01	6000				8.81	
20-Sep-01					12.8	
8-Nov-01	3200				12.4	
26-Mar-02	3200				13.1	
22-May-02	2800				12.7	
12-Sep-02	3300				12.8	
24-Nov-02	3500				13.6	
28-Mar-03	3000				12.4	
23-Jun-03	3600				12.5	
12-Sep-03	2700				12.5	
8-Nov-03	3400				11.8	
29-Mar-04	3200				11	
22-Jun-04	3100				8.78	
17-Sep-04	2800				10.8	
17-Nov-04	3000				11.1	
16-Mar-05	2700				9.1	
25-May-05	3080	NA	NA	NA	10.6	NA
31-Aug-05	2900	<10	<10	<10	9.8	NA
1-Dec-05	2400	<50	<50	<50	9.7	NA
9-Mar-06	2700	<50	<50	<50	9.4	49
14-Jun-06	2200	<50	<50	<50	9.8	48
20-Jul-06	2840	<50	<50	<50	9.7	51
8-Nov-06	2260	1.4	<1	<1	9.4	47
28-Feb-07	1900	1.2	<1	<1	8.9	47
27-Jun-07	1900	1.4	<1	<1	9	45
15-Aug-07	2300	1.3	<1	<1	8.4	43
10-Oct-07	2000	1.3	<1	<1	7.8	43
26-Mar-08	2000	1.3	<1	<1	7.6	39
25-Jun-08	1900	1.1	<1	<1	8.68	39
10-Sep-08	1700	1.3	<1	<1	8.15	35
15-Oct-08	1700	1.3	<1	<1	9.3	41
11-Mar-09	1700	1.1	<1	<1	7.5	37
24-Jun-09	1500	1	<1	<1	6.9	37
15-Sep-09	1700	<1	<1	<1	7.3	36

TW4-1	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
29-Dec-09	1400	<1	<1	<1	6.8	41
3-Mar-10	1300	<1	<1	<1	7.1	35
15-Jun-10	1600	1.2	<1	<1	6.8	40
24-Aug-10	1500	<1	<1	<1	6.8	35
14-Oct-10	1500	<1	<1	<1	6.6	40
24-Feb-11	1300	ND	ND	ND	6.6	41
1-Jun-11	1200	ND	ND	ND	7	35
18-Aug-11	1300	ND	ND	ND	6.8	36
29-Nov-11	1300	ND	ND	ND	6.6	37
19-Jan-12	1300	ND	ND	ND	6.8	38
14-Jun-12	1000	ND	ND	ND	7.1	42
13-Sep-12	1000	ND	ND	ND	5	39
4-Oct-12	1100	ND	ND	ND	6.5	40
13-Feb-13	1320	3.66	ND	ND	6.99	37.6
19-Jun-13	1100	ND	ND	ND	6.87	39.1
12-Sep-13	1150	ND	ND	ND	7.12	37.6
14-Nov-13	1280	ND	ND	ND	7.08	36.5
5-Feb-14	1090	5.47	ND	ND	7.74	38.9
23-May-14	1020	4.77	ND	ND	6.93	37.4
27-Aug-14	845	ND	1.4	ND	4.8	38
29-Oct-14	1140	ND	ND	ND	6.31	38.7
9-Mar-15	1130	ND	ND	ND	7.06	38.3
8-Jun-15	1260	ND	ND	ND	6.07	40.3
31-Aug-15	1060	ND	ND	ND	6.28	45.9
19-Oct-15	1040	ND	ND	ND	1.55	38.5
9-Mar-16	974	ND	ND	ND	0.148	41.7
23-May-16	1140	ND	ND	ND	0.138	44.4
25-Jul-16	1160	ND	ND	ND	5.49	44.7
13-Oct-16	1330	ND	ND	ND	0.746	44.2
8-Mar-17	519	ND	ND	ND	4.44	41.5
13-Jun-17	977	ND	ND	ND	5.74	41.8
26-Jul-17	958	ND	ND	ND	5.04	42.8
11-Oct-17	556	ND	ND	ND	5.78	38.5
12-Mar-18	70.4	ND	ND	ND	4.84	45.8
8-Jun-18	942	ND	ND	ND	4.38	42.0
22-Aug-18	1010	ND	ND	ND	4.30	47.3
22-Oct-18	752	ND	ND	ND	4.57	43.2
8-Mar-19	87.2	ND	ND	ND	4.51	40.9
5-Jun-19	1040	ND	ND	ND	1.43	44.8
4-Sep-19	894	ND	ND	ND	1.65	46.0
10-Dec-19	1070	ND	ND	ND	3.91	44.2
19-Feb-20	1190	ND	ND	ND	4.67	47.5

TW4-1	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
27-May-20	499	ND	ND	ND	0.443	46.4
4-Sep-20	1060	ND	ND	ND	2.22	43.7
28-Oct-20	924	ND	ND	ND	4.30	41.9
23-Feb-21	948	ND	ND	ND	27.2	45.4
9-Jun-21	957	ND	ND	ND	0.728	37.2
24-Aug-21	821	ND	1.18	ND	1.38	44.5
1-Dec-21	957	ND	ND	ND	4.37	45.5
9-Mar-22	946	ND	ND	ND	3.9	42.6
8-Jun-22	914	ND	ND	ND	0.18	45.5
30-Aug-22	954	ND	ND	ND	0.420	45.1

TW4-1 Chloroform Values

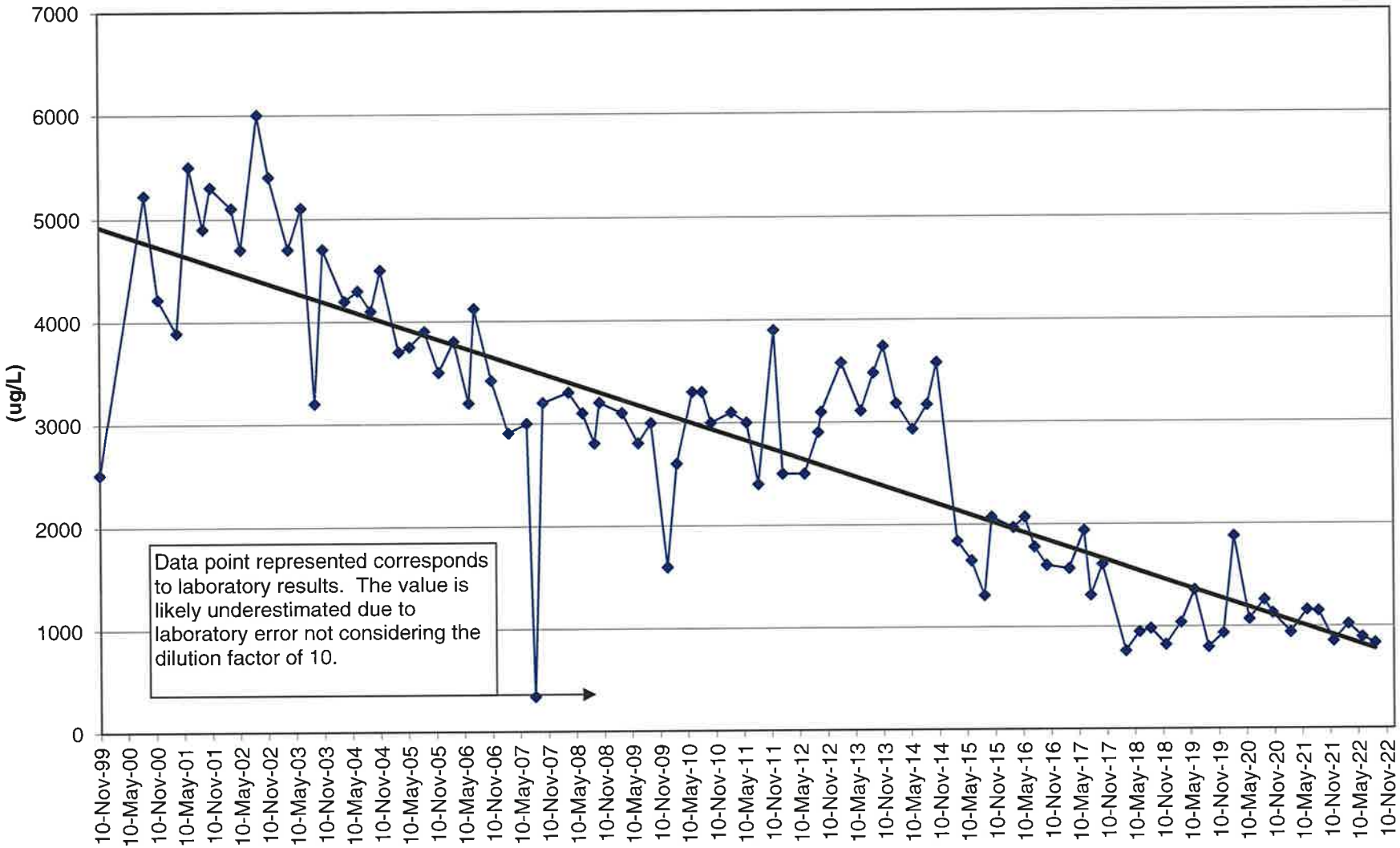


TW4-2	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
10-Nov-99	2510					
2-Sep-00	5220					
28-Nov-00	4220				10.7	
29-Mar-01	3890				10.2	
22-Jun-01	5500				9.67	
20-Sep-01	4900				11.4	
8-Nov-01	5300				10.1	
26-Mar-02	5100				9.98	
23-May-02	4700				9.78	
12-Sep-02	6000				9.44	
24-Nov-02	5400				10.4	
28-Mar-03	4700				9.5	
23-Jun-03	5100				9.6	
12-Sep-03	3200				8.6	
8-Nov-03	4700				9.7	
29-Mar-04	4200				9.14	
22-Jun-04	4300				8.22	
17-Sep-04	4100				8.4	
17-Nov-04	4500				8.6	
16-Mar-05	3700				7.7	
25-May-05	3750				8.6	
31-Aug-05	3900	<10	<10	<10	8	NA
1-Dec-05	3500	<50	<50	<50	7.8	NA
9-Mar-06	3800	<50	<50	<50	7.5	56
14-Jun-06	3200	<50	<50	<50	7.1	56
20-Jul-06	4120	<50	<50	<50	7.4	54
8-Nov-06	3420	2.3	<1	<1	7.6	55
28-Feb-07	2900	1.8	<1	<1	7.3	54
27-Jun-07	3000	2.5	<1	<1	7.8	50
15-Aug-07	340	2.2	<1	<1	7.3	49
10-Oct-07	3200	2.1	<1	<1	6.9	51
26-Mar-08	3300	2.3	<1	<1	6.9	48
25-Jun-08	3100	2.2	<1	<1	7.44	46
10-Sep-08	2800	2.4	<1	<1	7.1	42
15-Oct-08	3200	2.4	<2	<2	7.99	47
11-Mar-09	3100	2.2	<1	<1	6.5	46
24-Jun-09	2800	2	<1	<1	6.4	44
15-Sep-09	3000	2	<1	<1	6.6	43
29-Dec-09	1600	2	<1	<1	6.4	46
3-Mar-10	2600	2	<1	<1	6.8	42
15-Jun-10	3300	2.6	<1	<1	6.7	43
16-Aug-10	3300	2.5	<1	<1	6.6	43
14-Oct-10	3000	2.1	<1	<1	6.5	41

TW4-2	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
24-Feb-11	3100	2.4	ND	ND	7	46
2-Jun-11	3000	2.2	ND	ND	6.8	42
17-Aug-11	2400	1.6	ND	ND	6	48
29-Nov-11	3900	2.8	ND	ND	7	49
24-Jan-12	2500	2	ND	ND	7.1	49
14-Jun-12	2500	2.1	ND	ND	7.7	52
13-Sep-12	2900	1.8	ND	ND	4	76
4-Oct-12	3100	2	ND	ND	7.6	49
13-Feb-13	3580	5.17	ND	ND	8.1	46
19-Jun-13	3110	2.65	ND	ND	7.51	46.9
12-Sep-13	3480	2.41	ND	ND	9.3	44.9
14-Nov-13	3740	3.15	ND	ND	8.39	43.9
6-Feb-14	3180	7.1	ND	ND	7.87	45.9
23-May-14	2930	6.05	ND	ND	9.11	45.4
27-Aug-14	3170	1.4	3.6	ND	6.2	45
30-Oct-14	3580	2.6	ND	ND	8.45	45.5
9-Mar-15	1840	1.44	ND	ND	5.32	44.9
8-Jun-15	1650	ND	ND	ND	4.3	48.1
31-Aug-15	1310	ND	ND	ND	3.76	50.0
19-Oct-15	2070	ND	ND	ND	5.18	41.9
9-Mar-16	1970	1.20	ND	ND	5.30	43.4
23-May-16	2070	1.49	ND	ND	5.67	43.8
25-Jul-16	1780	ND	ND	ND	4.07	42.9
12-Oct-16	1600	ND	ND	ND	6.07	44.3
8-Mar-17	1570	ND	ND	ND	4.74	43.1
13-Jun-17	1940	ND	ND	ND	4.90	43.6
26-Jul-17	1310	ND	ND	ND	5.08	43.2
11-Oct-17	1610	ND	ND	ND	3.28	43.5
12-Mar-18	764	ND	ND	ND	2.94	44.4
8-Jun-18	949	ND	ND	ND	3.50	41.3
22-Aug-18	980	ND	ND	ND	4.83	44.3
28-Nov-18	822	ND	ND	ND	3.52	41.7
8-Mar-19	1040	ND	ND	ND	3.92	40.4
5-Jun-19	1360	ND	ND	ND	4.38	39.8
4-Sep-19	797	ND	ND	ND	4.79	40.8
10-Dec-19	934	ND	ND	ND	3.40	41.5
19-Feb-20	1880	ND	ND	ND	6.07	42.1
27-May-20	1070	ND	ND	ND	3.62	40.6
4-Sep-20	1260	ND	ND	ND	3.35	41.3
28-Oct-20	1130	ND	ND	ND	2.34	38.7
23-Feb-21	939	ND	ND	ND	3.30	43.3
9-Jun-21	1160	ND	ND	ND	3.89	32.5
24-Aug-21	1150	ND	ND	ND	1.97	36.8

TW4-2	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
1-Dec-21	852	ND	ND	ND	3.49	41.9
9-Mar-22	1020	ND	ND	ND	3.3	36.7
8-Jun-22	892	ND	ND	ND	3.1	39.5
30-Aug-22	832	ND	ND	ND	3.07	40.7

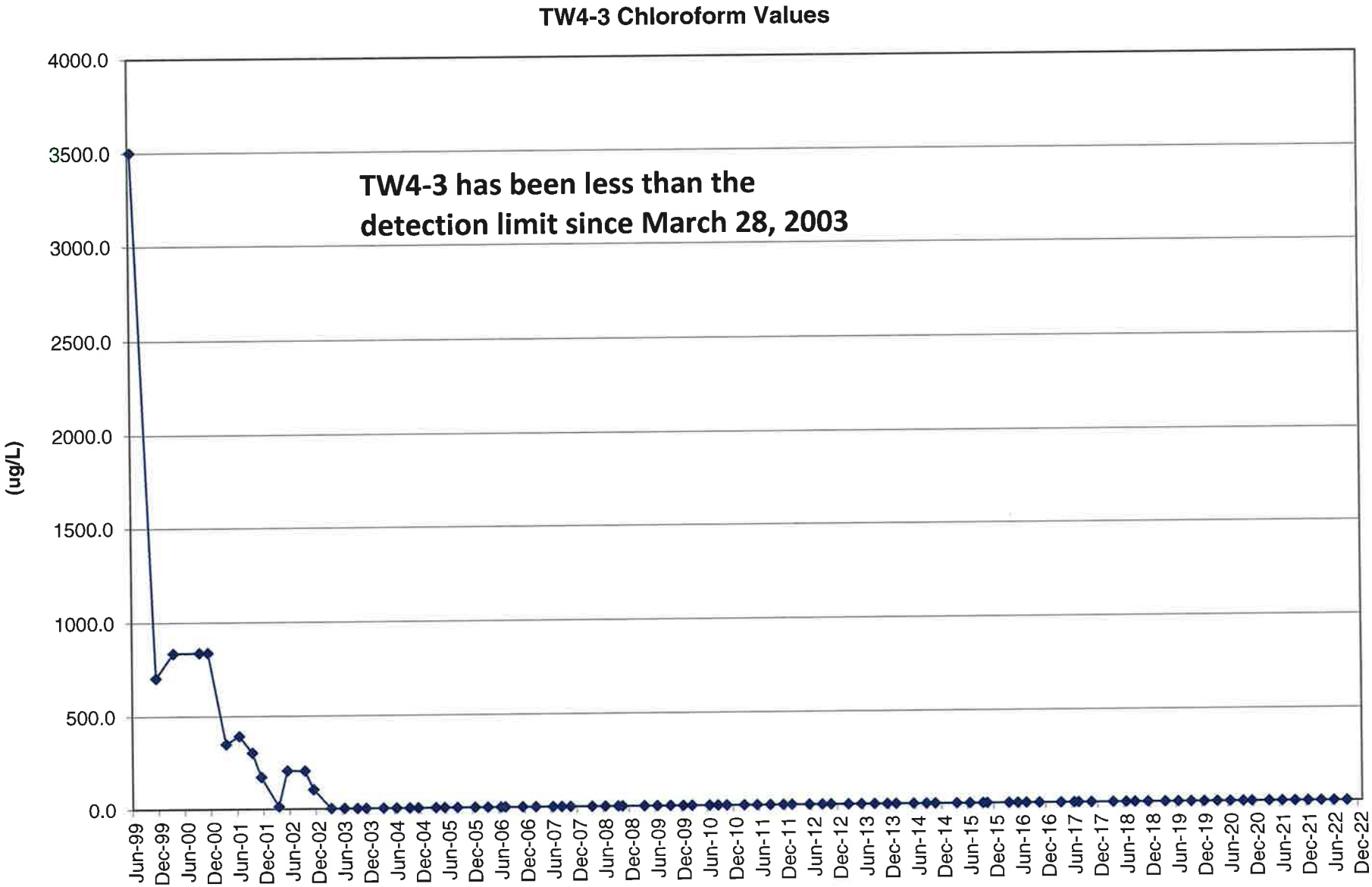
TW4-2 Chloroform Values



TW4-3	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
28-Jun-99	3500				7.6	
29-Nov-99	702					
15-Mar-00	834					
2-Sep-00	836				1.56	
29-Nov-00	836				1.97	
27-Mar-01	347				1.85	
21-Jun-01	390				2.61	
20-Sep-01	300				3.06	
7-Nov-01	170				3.6	
26-Mar-02	11				3.87	
21-May-02	204				4.34	
12-Sep-02	203				4.32	
24-Nov-02	102				4.9	
28-Mar-03	0				4.6	
23-Jun-03	0				4.8	
12-Sep-03	0				4.3	
8-Nov-03	0				4.8	
29-Mar-04	0				4.48	
22-Jun-04	0				3.68	
17-Sep-04	0				3.88	
17-Nov-04	0				4.1	
16-Mar-05	0				3.5	
25-May-05	<1	NA	NA	NA	3.7	NA
31-Aug-05	<1	<1	6.4	<1	3.5	NA
1-Dec-05	<1	<1	2.3	<1	3.3	NA
9-Mar-06	<1	<1	2.2	<1	3.3	26
14-Jun-06	<1	<1	<1	<1	3.2	26
20-Jul-06	<1	<1	1.6	<1	2.9	26
8-Nov-06	<1	<1	<1	<1	1.5	23
28-Feb-07	<1	<1	<1	<1	3.1	22
27-Jun-07	<1	<1	<1	<1	3.3	23
15-Aug-07	<1	<1	<1	<1	3.1	24
10-Oct-07	<1	<1	<1	<1	2.8	27
26-Mar-08	<1	<1	<1	<1	2.8	21
25-Jun-08	<1	<1	<1	<1	2.85	19
10-Sep-08	<1	<1	<1	<1	2.66	19
15-Oct-08	<1	<1	<1	<1	2.63	22
4-Mar-09	<1	<1	<1	<1	2.5	21
24-Jun-09	<1	<1	<1	<1	2.9	20
15-Sep-09	<1	<1	<1	<1	2.8	21
16-Dec-09	<1	<1	<1	<1	2.5	22
23-Feb-10	<1	<1	<1	<1	2.8	23
8-Jun-10	<1	<1	<1	<1	3	24
10-Aug-10	<1	<1	<1	<1	3.1	22
5-Oct-10	<1	<1	<1	<1	3.3	26

TW4-3	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
15-Feb-11	ND	ND	ND	ND	3.5	23
25-May-11	ND	ND	ND	ND	3.7	23
16-Aug-11	ND	ND	ND	ND	4	23
15-Nov-11	ND	ND	ND	ND	4.4	23
17-Jan-12	ND	ND	ND	ND	4.3	21
31-May-12	ND	ND	ND	ND	4.4	24
29-Aug-12	ND	ND	ND	ND	4.9	25
3-Oct-12	ND	ND	ND	ND	4.8	25
7-Feb-13	ND	ND	ND	ND	5.05	23.7
29-May-13	ND	ND	ND	ND	5.83	23.8
29-Aug-13	ND	ND	ND	ND	6.26	24.0
6-Nov-13	ND	ND	ND	ND	5.89	24.1
22-Jan-14	ND	ND	ND	ND	6.66	24.9
19-May-14	ND	ND	ND	ND	6.01	24.4
13-Aug-14	ND	ND	ND	ND	5.3	26
23-Oct-14	ND	ND	ND	ND	6.07	26.7
11-Mar-15	ND	ND	ND	ND	6.64	26.2
10-Jun-15	ND	ND	ND	ND	5.71	27.5
2-Sep-15	ND	ND	ND	ND	3.88	27.4
21-Oct-15	ND	ND	ND	ND	5.37	25.6
15-Mar-16	ND	ND	ND	ND	5.83	32.8
25-May-16	ND	ND	ND	ND	5.65	27.9
27-Jul-16	ND	ND	ND	ND	6.10	26.5
19-Oct-16	ND	ND	ND	ND	6.00	29.5
14-Mar-17	ND	ND	ND	ND	6.18	28.1
14-Jun-17	ND	ND	ND	ND	6.36	28.7
27-Jul-17	ND	ND	ND	ND	6.36	28.5
10-Oct-17	ND	ND	ND	ND	6.32	25.9
14-Mar-18	ND	ND	ND	ND	6.46	29.8
12-Jun-18	ND	ND	ND	ND	6.52	26.1
29-Aug-18	ND	ND	ND	ND	5.53	31.0
30-Nov-18	ND	ND	ND	ND	5.85	27.4
13-Mar-19	ND	ND	ND	ND	5.82	25.5
13-Jun-19	ND	ND	ND	ND	6.68	27.4
11-Sep-19	ND	ND	ND	ND	5.12	26.0
12-Dec-19	ND	ND	ND	ND	5.91	28.0
17-Mar-20	ND	ND	ND	ND	6.15	27.7
10-Jun-20	ND	ND	ND	ND	6.53	26.2
17-Sep-20	ND	ND	ND	ND	6.36	25.9
4-Nov-20	ND	ND	ND	ND	6.02	24.9
17-Mar-21	ND	ND	ND	ND	6.19	28.4
15-Jun-21	ND	ND	ND	ND	8.04	27.0
15-Sep-21	ND	ND	ND	ND	5.28	20.3
7-Dec-21	ND	ND	ND	ND	5.97	26.2
15-Mar-22	ND	ND	ND	ND	6.1	24.3

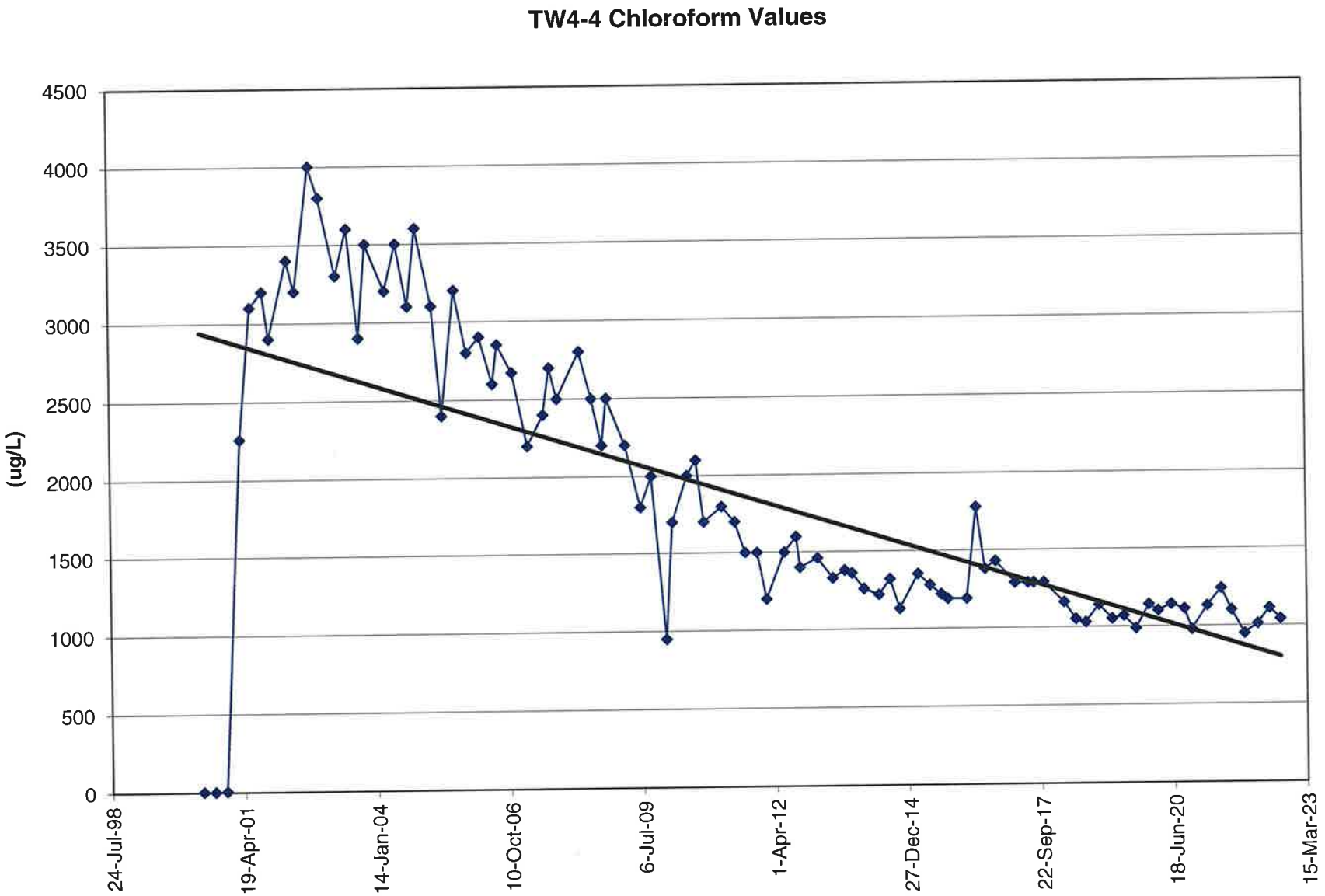
TW4-3	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
15-Jun-22	ND	ND	ND	ND	5.8	26.7
13-Sep-22	ND	ND	ND	ND	5.47	27.3


TW4-3 Chloroform Values
TW4-3 has been less than the detection limit since March 28, 2003
(ug/L)
4000.0
3500.0
3000.0
2500.0
2000.0
1500.0
1000.0
500.0
0.0
Jun-99
Dec-99
Jun-00
Dec-00
Jun-01
Dec-01
Jun-02
Dec-02
Jun-03
Dec-03
Jun-04
Dec-04
Jun-05
Dec-05
Jun-06
Dec-06
Jun-07
Dec-07
Jun-08
Dec-08
Jun-09
Dec-09
Jun-10
Dec-10
Jun-11
Dec-11
Jun-12
Dec-12
Jun-13
Dec-13
Jun-14
Dec-14
Jun-15
Dec-15
Jun-16
Dec-16
Jun-17
Dec-17
Jun-18
Dec-18
Jun-19
Dec-19
Jun-20
Dec-20
Jun-21
Dec-21
Jun-22
Dec-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	0					
2-Sep-00	0					
28-Nov-00	3.9					
28-Mar-01	2260				1.02	
20-Jun-01	3100				14.5	
20-Sep-01	3200				14	
8-Nov-01	2900				14.8	
26-Mar-02	3400				15	
22-May-02	3200				13.2	
12-Sep-02	4000				13.4	
24-Nov-02	3800				12.6	
28-Mar-03	3300				13.4	
23-Jun-03	3600				12.8	
12-Sep-03	2900				12.3	
8-Nov-03	3500				12.3	
29-Mar-04	3200				12.2	
22-Jun-04	3500				12.1	
17-Sep-04	3100				11.1	
17-Nov-04	3600				10.8	
16-Mar-05	3100				11.6	
25-May-05	2400	NA	NA	NA	11.3	NA
31-Aug-05	3200	<10	<10	<10	9.9	NA
1-Dec-05	2800	<50	<50	<50	10.2	NA
9-Mar-06	2900	<50	<50	<50	9.5	51
14-Jun-06	2600	<50	<50	<50	8.6	48
20-Jul-06	2850	<50	<50	<50	9.7	50
8-Nov-06	2670	1.7	<1	<1	10.1	49
28-Feb-07	2200	1.5	<1	<1	9	49
27-Jun-07	2400	1.7	<1	<1	9.4	47
15-Aug-07	2700	1.5	<1	<1	9.5	45
10-Oct-07	2500	1.5	<1	<1	9.5	47
26-Mar-08	2800	1.6	<1	<1	9.2	43
25-Jun-08	2500	1.5	<1	<1	10.8	42
10-Sep-08	2200	1.4	<1	<1	8.83	39
15-Oct-08	2500	2	<2	<2	10.1	44
4-Mar-09	2200	1.2	<1	<1	10.2	37
24-Jun-09	1800	1.2	<1	<1	8.2	34
15-Sep-09	2000	1.1	<1	<1	8.4	39
29-Dec-09	950	1.1	<1	<1	7.6	41
17-Feb-10	1700	1	<1	<1	6.6	48
10-Jun-10	2000	1.2	<1	<1	7.6	35
16-Aug-10	2100	1.3	<1	<1	7.3	36
11-Oct-10	1700	1.3	<1	<1	7.1	38

TW4-4	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
23-Feb-11	1800	1.4	ND	ND	7	41
1-Jun-11	1700	1.2	ND	ND	7	35
17-Aug-11	1500	ND	ND	ND	6.6	40
16-Nov-11	1500	1	ND	ND	7	39
23-Jan-12	1200	ND	ND	ND	7.1	38
6-Jun-12	1500	ND	ND	ND	7.1	43
4-Sep-12	1600	1.2	ND	ND	7.1	39
3-Oct-12	1400	1	ND	ND	7	38
11-Feb-13	1460	1.12	ND	ND	7.36	39
5-Jun-13	1330	ND	ND	ND	6.3	39.6
3-Sep-13	1380	ND	ND	ND	7.22	38.8
29-Oct-13	1360	5.3	ND	ND	7.84	43.9
27-Jan-14	1260	3.88	ND	ND	7.28	37.4
19-May-14	1220	5	ND	ND	5.91	47.5
11-Aug-14	1320	ND	7	ND	5.30	40.0
21-Oct-14	1130	ND	ND	ND	7.02	40.0
9-Mar-15	1350	1	ND	ND	7.70	37.6
8-Jun-15	1280	ND	ND	ND	6.33	41.3
31-Aug-15	1220	ND	ND	ND	6.45	45.8
19-Oct-15	1190	ND	ND	ND	6.27	38.5
9-Mar-16	1190	ND	ND	ND	6.71	39.7
23-May-16	1780	1	ND	ND	6.56	41.9
26-Jul-16	1380	ND	ND	ND	7.22	40.2
13-Oct-16	1430	ND	ND	ND	6.77	42.3
8-Mar-17	1290	ND	ND	ND	6.87	41.7
13-Jun-17	1290	ND	ND	ND	7.06	40.7
26-Jul-17	1290	ND	ND	ND	6.47	40.5
11-Oct-17	1290	ND	ND	ND	6.90	40.7
12-Mar-18	1160	ND	ND	ND	6.12	42.2
8-Jun-18	1050	ND	ND	ND	6.34	39.0
22-Aug-18	1030	ND	ND	ND	6.34	39.0
28-Nov-18	1140	ND	ND	ND	6.02	41.4
8-Mar-19	1050	ND	ND	ND	7.26	38.3
5-Jun-19	1070	ND	ND	ND	10.40	38.5
4-Sep-19	989	ND	ND	ND	6.32	39.8
10-Dec-19	1140	ND	ND	ND	6.52	40.4
19-Feb-20	1100	ND	ND	ND	4.58	43.4
27-May-20	1140	ND	ND	ND	7.26	46.1
4-Sep-20	1110	ND	ND	ND	7.04	40.0
28-Oct-20	979	ND	ND	ND	6.77	38.6
23-Feb-21	1130	ND	ND	ND	6.75	39.8
9-Jun-21	1240	ND	ND	ND	9.02	39.4
24-Aug-21	1100	ND	ND	ND	4.00	39.6

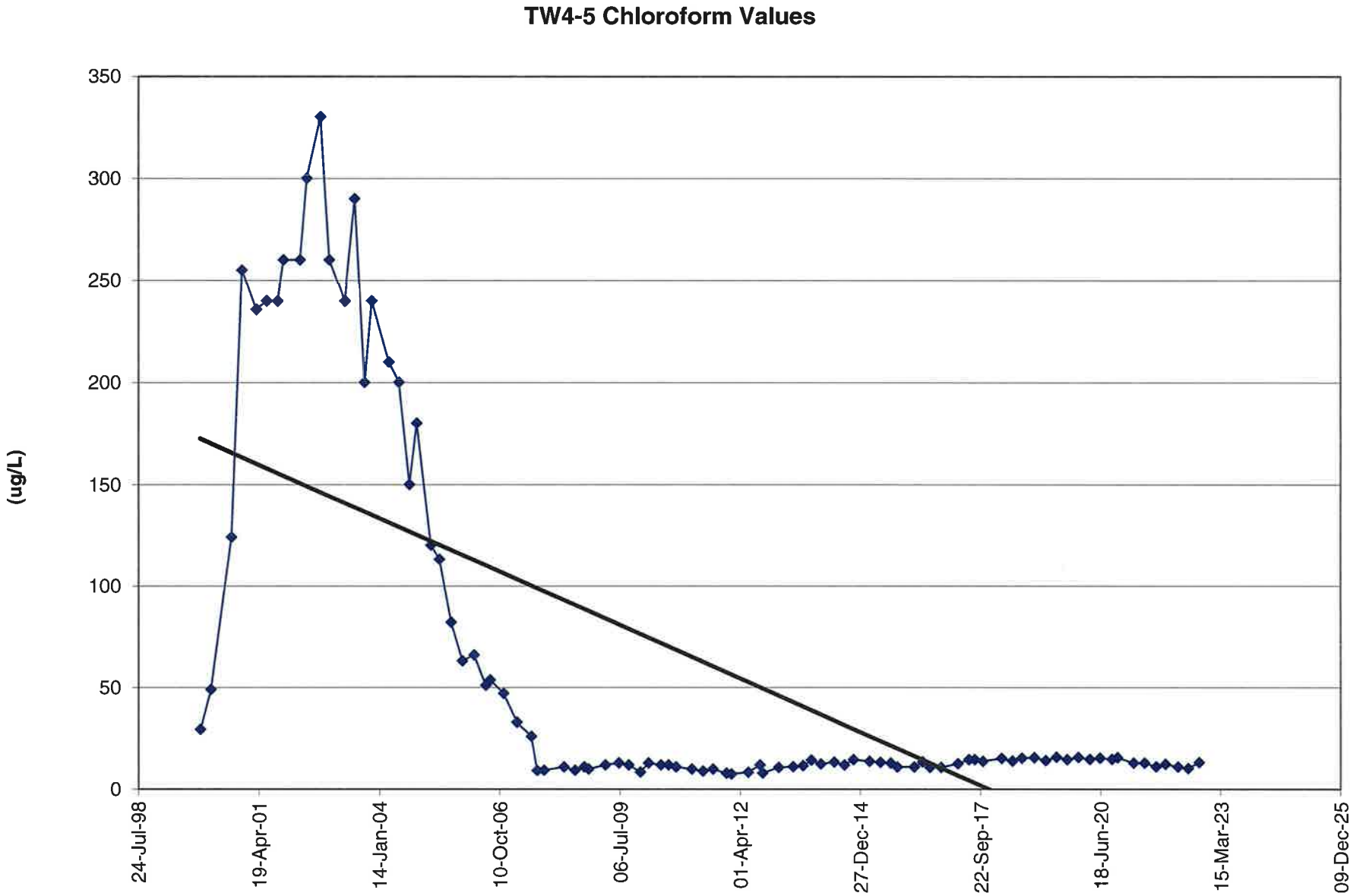
TW4-4	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
1-Dec-21	950	ND	ND	ND	7.32	42.5
9-Mar-22	1010	ND	ND	ND	6.6	37.1
8-Jun-22	1110	ND	ND	ND	6.0	39.9
30-Aug-22	1040	ND	ND	ND	6.65	41.0


TW4-4 Chloroform Values
(ug/L)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17
18-Jun-20
15-Mar-23

TW4-5	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
20-Dec-99	29.5					
15-Mar-00	49.0					
2-Sep-00	124					
29-Nov-00	255					
28-Mar-01	236					
20-Jun-01	240					
20-Sep-01	240					
7-Nov-01	260					
26-Mar-02	260					
22-May-02	300					
12-Sep-02	330					
24-Nov-02	260					
28-Mar-03	240					
23-Jun-03	290					
12-Sep-03	200					
8-Nov-03	240					
29-Mar-04	210					
22-Jun-04	200					
17-Sep-04	150					
17-Nov-04	180					
16-Mar-05	120					
25-May-05	113	NA	NA	NA	3.70	NA
31-Aug-05	82.0	<2.5	5.8	<2.5	6.00	NA
1-Dec-05	63.0	<2.5	2.5	<2.5	6.00	NA
9-Mar-06	66.0	<2.5	3.1	<2.5	6.00	52
14-Jun-06	51.0	<1	<2.5	<2.5	5.90	51
20-Jul-06	53.7	<1	<1	<1	6.70	54
8-Nov-06	47.1	<1	<1	<1	2.90	55
28-Feb-07	33.0	<1	<1	<1	7.80	57
27-Jun-07	26.0	<1	<1	<1	7.00	45
15-Aug-07	9.2	<1	<1	<1	7.70	38
10-Oct-07	9.4	<1	<1	<1	8.20	39
26-Mar-08	11.0	<1	<1	<1	7.40	36
25-Jun-08	9.3	<1	<1	<1	8.70	37
10-Sep-08	11.0	<1	<1	<1	7.91	34
15-Oct-08	10.0	<1	<1	<1	9.30	37
4-Mar-09	12.0	<1	<1	<1	7.90	34
24-Jun-09	13.0	<1	<1	<1	7.50	37
15-Sep-09	12.0	<1	<1	<1	8.30	48
22-Dec-09	8.5	<1	<1	<1	7.50	41
25-Feb-10	13.0	<1	<1	<1	6.80	43
9-Jun-10	12.0	<1	<1	<1	7.10	28
11-Aug-10	12.0	<1	<1	<1	7.00	38

TW4-5	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
13-Oct-10	11.0	<1	<1	<1	7.20	41
22-Feb-11	10.0	ND	ND	ND	7.00	34
26-May-11	9.0	ND	ND	ND	7.20	35
17-Aug-11	10.0	ND	ND	ND	7.50	37
7-Dec-11	7.9	ND	ND	ND	6.00	30
18-Jan-12	7.6	ND	ND	ND	5.80	22
6-Jun-12	8.4	ND	ND	ND	8.00	39
11-Sep-12	12.0	ND	ND	ND	8.10	37
3-Oct-12	8.0	ND	ND	ND	7.70	38
13-Feb-13	10.8	ND	ND	ND	8.24	34.3
13-Jun-13	11.2	ND	ND	ND	10.70	36.5
5-Sep-13	11.6	ND	ND	ND	7.79	39.1
13-Nov-13	14.4	ND	ND	ND	7.75	41.1
30-Jan-14	12.5	ND	ND	ND	9.16	40.5
22-May-14	13.4	ND	ND	ND	7.78	51.4
14-Aug-14	12.0	ND	ND	ND	7.20	44
28-Oct-14	14.6	ND	ND	ND	8.31	45.1
12-Mar-15	13.8	ND	ND	ND	9.32	45.1
10-Jun-15	13.3	ND	1.07	ND	7.08	47.3
3-Sep-15	12.9	ND	ND	ND	8.10	52.2
28-Oct-15	11.0	ND	ND	ND	8.03	43.6
17-Mar-16	11.0	ND	ND	ND	10.20	44.7
26-May-16	13.6	ND	ND	ND	8.98	45.9
25-Jul-16	10.8	ND	ND	ND	8.49	44.6
26-Oct-16	10.8	ND	ND	ND	8.32	47.8
15-Mar-17	12.6	ND	ND	ND	8.49	44.7
15-Jun-17	14.6	ND	ND	ND	8.52	47.3
2-Aug-17	14.6	ND	ND	ND	8.52	48.6
10-Oct-17	13.8	ND	ND	ND	8.57	42.5
15-Mar-18	15.2	ND	ND	ND	8.36	51.2
13-Jun-18	13.9	ND	ND	ND	9.24	47.4
30-Aug-18	15.4	ND	ND	ND	7.34	54.7
12-Dec-18	15.6	ND	ND	ND	7.67	49.8
16-Mar-19	14.1	ND	ND	ND	7.38	47.6
13-Jun-19	15.8	ND	ND	ND	7.62	49.3
11-Sep-19	14.6	ND	ND	ND	7.02	46.1
14-Dec-19	15.7	ND	ND	ND	6.97	53.1
17-Mar-20	14.8	ND	ND	ND	7.10	48.3
11-Jun-20	15.4	ND	ND	ND	7.83	49.5
18-Sep-20	14.8	ND	ND	ND	6.37	47.0
4-Nov-20	15.6	ND	ND	ND	6.19	50.2
18-Mar-21	12.9	ND	ND	ND	7.43	46.0
16-Jun-21	13.0	ND	ND	ND	8.11	50.8

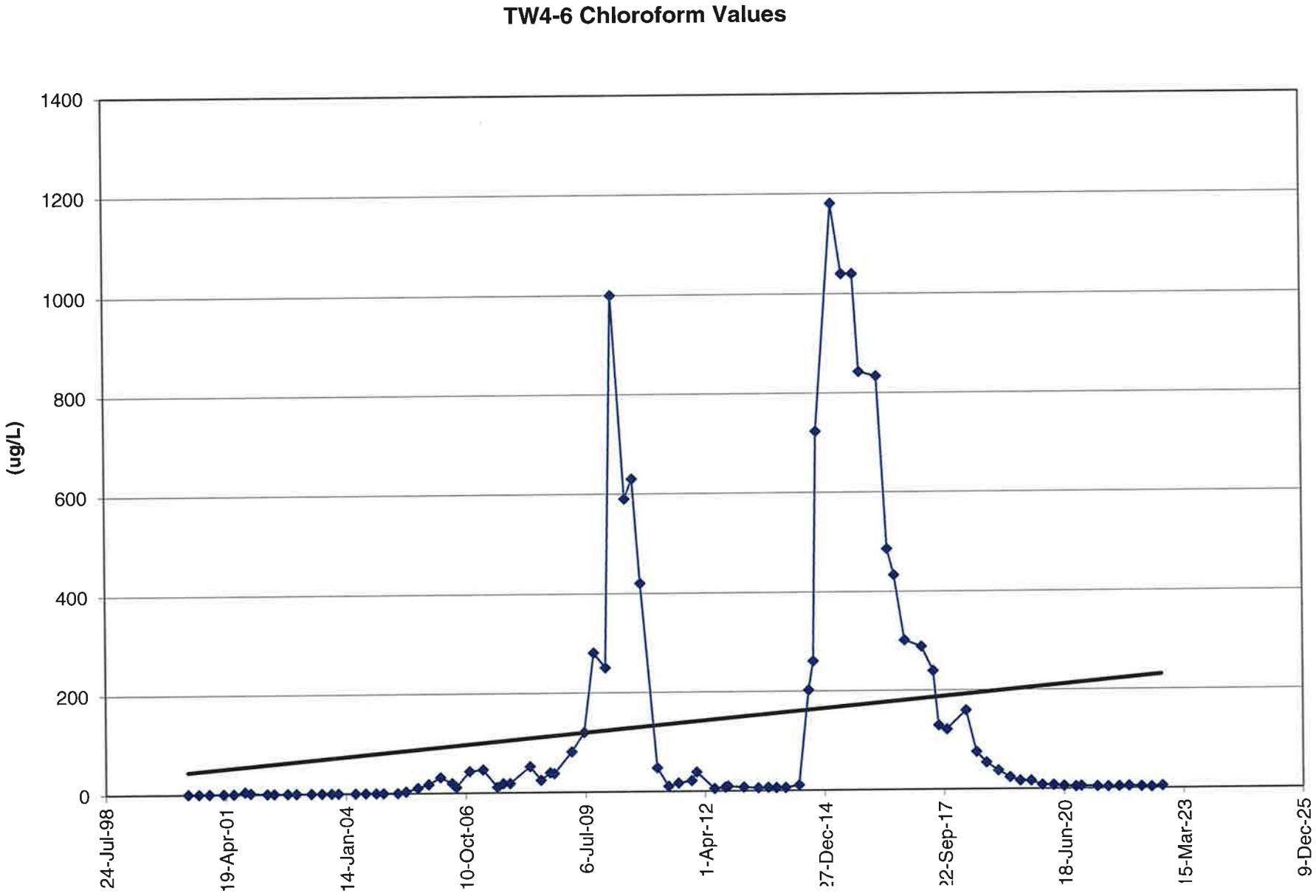
TW4-5	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
22-Sep-21	11.2	ND	ND	ND	6.63	39.8
8-Dec-21	12.4	ND	ND	ND	6.71	51.3
23-Mar-22	11.0	ND	ND	ND	7.30	47.7
16-Jun-22	10.3	ND	ND	ND	7.10	40.7
14-Sep-22	13.2	ND	ND	ND	7.22	45.8


TW4-5 Chloroform Values
(ug/L)
350
300
250
200
150
100
50
0
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
06-Jul-09
01-Apr-12
27-Dec-14
22-Sep-17
18-Jun-20
15-Mar-23
09-Dec-25

TW4-6	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
6-Jun-00	0					
2-Sep-00	0					
28-Nov-00	0				ND	
26-Mar-01	0				0.13	
20-Jun-01	0				ND	
20-Sep-01	4				ND	
7-Nov-01	1				ND	
26-Mar-02	0				ND	
21-May-02	0				ND	
12-Sep-02	0				ND	
24-Nov-02	0				ND	
28-Mar-03	0				0.1	
23-Jun-03	0				ND	
12-Sep-03	0				ND	
8-Nov-03	0				ND	
29-Mar-04	0				ND	
22-Jun-04	0				ND	
17-Sep-04	0				ND	
17-Nov-04	0				ND	
16-Mar-05	0				0.2	
25-May-05	2.5	NA	NA	NA	0.4	NA
31-Aug-05	10.0	<1	2.8	<1	0.8	NA
1-Dec-05	17.0	<1	1.3	<1	0.9	NA
9-Mar-06	31.0	<1	<1	<1	1.2	31
14-Jun-06	19.0	<1	<1	<1	1	30
20-Jul-06	11.0	<1	<1	<1	0.6	37
8-Nov-06	42.8	<1	<1	<1	1.4	65
28-Feb-07	46.0	<1	<1	<1	1.5	32
27-Jun-07	11.0	<1	<1	<1	0.6	38
15-Aug-07	18.0	<1	<1	<1	0.7	36
10-Oct-07	18.0	<1	<1	<1	0.8	38
26-Mar-08	52.0	<1	<1	<1	1.1	33
25-Jun-08	24.0	<1	<1	<1	0.9	35
10-Sep-08	39.0	<1	<1	<1	1.14	35
15-Oct-08	37.0	<1	<1	<1	1.01	33
11-Mar-09	81.0	<1	<1	<1	2.2	35
24-Jun-09	120	<1	<1	<1	2.7	37
15-Sep-09	280	<1	<1	<1	5.0	37
22-Dec-09	250	<1	<1	<1	6.1	41
25-Feb-10	1000	<1	<1	<1	1.6	45
10-Jun-10	590	<1	<1	<1	2.5	33
12-Aug-10	630	<1	<1	<1	3.9	31
13-Oct-10	420	<1	<1	<1	4.3	41

TW4-6	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
23-Feb-11	47	ND	ND	ND	0.7	40
26-May-11	10	ND	ND	ND	0.3	42
17-Aug-11	16	ND	ND	ND	0.3	39
7-Dec-11	21	ND	ND	ND	0.8	36
18-Jan-12	38	ND	ND	ND	0.7	38
13-Jun-12	4.7	ND	ND	ND	0.2	40
11-Sep-12	6.9	ND	ND	ND	0.1	21
3-Oct-12	9.0	ND	ND	ND	0.2	41
13-Feb-13	6.9	ND	ND	ND	0.154	40.4
13-Jun-13	4.9	ND	ND	ND	0.155	37.9
5-Sep-13	5.9	ND	ND	ND	0.157	40.6
13-Nov-13	5.5	ND	ND	ND	1.52	40.2
29-Jan-14	5.7	ND	ND	ND	0.184	40.6
22-May-14	10.3	ND	ND	ND	0.312	37
14-Aug-14	202	ND	ND	ND	4.2	40
24-Sep-14	260	ND	ND	ND	N/A	N/A
29-Oct-14	723	ND	ND	ND	6.92	41.1
18-Mar-15	1180	ND	ND	ND	5.25	41.2
11-Jun-15	1040	ND	ND	ND	5.87	41.6
10-Sep-15	1040	ND	ND	ND	6.75	47.0
29-Oct-15	843	ND	ND	ND	5.61	40.2
22-Mar-16	834	ND	ND	ND	6.79	42.0
8-Jun-16	486	ND	ND	ND	3.19	44.1
4-Aug-16	433	ND	ND	ND	3.85	42.2
26-Oct-16	301	ND	ND	ND	3.74	46.1
16-Mar-17	288	ND	ND	ND	3.15	42.1
21-Jun-17	239	ND	ND	ND	2.42	42.6
3-Aug-17	129	ND	ND	ND	1.71	42.9
11-Oct-17	121	ND	ND	ND	1.71	37.6
20-Mar-18	159	ND	ND	ND	1.96	43.1
14-Jun-18	74.9	ND	ND	ND	1.48	40.2
5-Sep-18	53.2	ND	ND	ND	1.18	44.0
12-Dec-18	37.0	ND	ND	ND	0.900	20.0
19-Mar-19	23.2	ND	ND	ND	0.755	41.0
13-Jun-19	15.8	ND	ND	ND	0.484	38.1
11-Sep-19	15.8	ND	ND	ND	0.412	39.7
14-Dec-19	7.40	ND	ND	ND	0.244	45.7
17-Mar-20	6.93	ND	ND	ND	0.222	43.2
11-Jun-20	4.86	ND	ND	ND	0.205	42.4
18-Sep-20	3.63	ND	ND	ND	0.144	40.5
4-Nov-20	4.61	ND	ND	ND	0.197	42.9
18-Mar-21	3.78	ND	ND	ND	0.205	41.6
16-Jun-21	2.90	ND	ND	ND	0.215	43.8

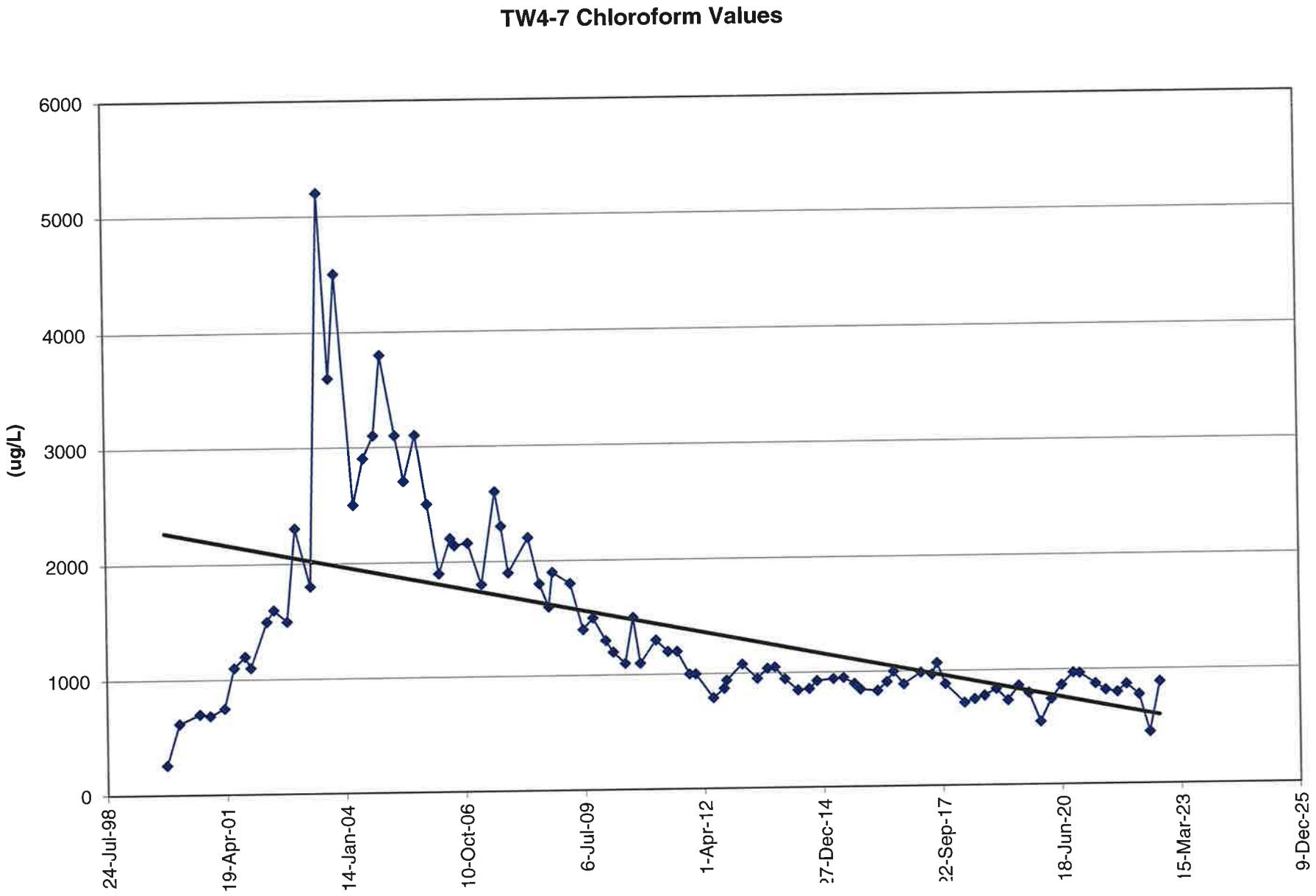
TW4-6	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
15-Sep-21	3.71	ND	ND	ND	0.166	34.1
8-Dec-21	3.92	ND	ND	ND	<0.100	44.8
22-Mar-22	3.10	ND	ND	ND	0.1	31.5
16-Jun-22	2.10	ND	ND	ND	0.2	43.1
14-Sep-22	3.90	ND	ND	ND	0.144	38.7


TW4-6 Chloroform Values
(ug/L)
1400
1200
1000
800
600
400
200
0
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17
18-Jun-20
15-Mar-23
9-Dec-25

TW4-7	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
29-Nov-99	256					
15-Mar-00	616					
2-Sep-00	698					
29-Nov-00	684				1.99	
28-Mar-01	747				2.46	
20-Jun-01	1100				2.65	
20-Sep-01	1200				3.38	
8-Nov-01	1100				2.5	
26-Mar-02	1500				3.76	
23-May-02	1600				3.89	
12-Sep-02	1500				3.18	
24-Nov-02	2300				4.6	
28-Mar-03	1800				4.8	
23-Jun-03	5200				7.6	
12-Sep-03	3600				7.6	
8-Nov-03	4500				7.1	
29-Mar-04	2500				4.63	
22-Jun-04	2900				4.83	
17-Sep-04	3100				5.59	
17-Nov-04	3800				6	
16-Mar-05	3100				5.2	
25-May-05	2700	NA	NA	NA	5.4	NA
31-Aug-05	3100	<10	<10	<10	5.2	NA
1-Dec-05	2500	<50	<50	<50	5.3	NA
9-Mar-06	1900	<50	<50	<50	1	48
14-Jun-06	2200	<50	<50	<50	4.5	47
20-Jul-06	2140	<50	<50	<50	4.7	51
8-Nov-06	2160	1.5	<1	<1	4.6	49
28-Feb-07	1800	1.1	<1	<1	5	47
27-Jun-07	2600	1.5	<1	<1	5.1	45
14-Aug-07	2300	1.4	<1	<1	4.7	44
10-Oct-07	1900	1.2	<1	<1	4.7	45
26-Mar-08	2200	1.3	<1	<1	4.2	43
25-Jun-08	1800	1.3	<1	<1	4.8	43
10-Sep-08	1600	1.4	<1	<1	4.16	35
15-Oct-08	1900	<2	<2	<2	4.01	40
11-Mar-09	1800	1.2	<1	<1	3.7	35
24-Jun-09	1400	<1	<1	<1	3.8	37
15-Sep-09	1500	1.0	<1	<1	4.1	37
29-Dec-09	1300	<1	<1	<1	4.2	37
3-Mar-10	1200	<1	<1	<1	3.8	36
10-Jun-10	1100	<1	<1	<1	3.9	31
18-Aug-10	1500	1.1	<1	<1	3.9	36

TW4-7	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
13-Oct-10	1100	1.1	<1	<1	4	38
23-Feb-11	1300	ND	ND	ND	3.60	45
1-Jun-11	1200	ND	ND	ND	4.00	35
18-Aug-11	1200	ND	ND	ND	4.10	37
29-Nov-11	1000	ND	ND	ND	3.80	37
19-Jan-12	1000	ND	ND	ND	3.90	37
14-Jun-12	790	ND	ND	ND	4.00	41
13-Sep-12	870	ND	ND	ND	3.80	40
4-Oct-12	940	ND	ND	ND	3.80	41
13-Feb-13	1080	3.51	ND	ND	3.90	37.7
18-Jun-13	953	ND	ND	ND	4.04	39.3
12-Sep-13	1040	ND	ND	ND	4.17	36.4
14-Nov-13	1050	ND	ND	ND	4.13	37.2
5-Feb-14	946	5.41	ND	ND	4.24	38.2
23-May-14	847	4.78	ND	ND	4.19	37.7
27-Aug-14	857	ND	1.5	ND	2.90	39
30-Oct-14	926	ND	ND	ND	3.68	40.2
18-Mar-15	942	ND	ND	ND	4.25	40.4
11-Jun-15	950	ND	ND	ND	2.62	42.1
10-Sep-15	897	ND	ND	ND	4.72	46.7
29-Oct-15	847	ND	ND	ND	3.49	40.6
22-Mar-16	834	ND	ND	ND	4.43	42.4
8-Jun-16	909	ND	ND	ND	3.75	44.1
4-Aug-16	1000	ND	ND	ND	4.21	42.3
27-Oct-16	886	ND	ND	ND	4.33	45.8
21-Mar-17	986	ND	ND	ND	3.87	40.5
21-Jun-17	968	ND	ND	ND	4.15	43.3
4-Aug-17	1070	ND	ND	ND	4.20	44.7
11-Oct-17	884	ND	ND	ND	4.35	43.7
21-Mar-18	721	ND	ND	ND	3.96	44.5
14-Jun-18	751	ND	ND	ND	4.45	41.5
5-Sep-18	781	ND	ND	ND	4.34	48.5
13-Dec-18	838	ND	ND	ND	3.98	42.8
20-Mar-19	736	ND	ND	ND	4.01	41.3
19-Jun-19	862	ND	ND	ND	4.19	43.0
12-Sep-19	801	ND	ND	ND	3.76	39.7
18-Dec-19	546	ND	ND	ND	3.11	47.2
18-Mar-20	746	ND	ND	ND	3.75	42.1
12-Jun-20	864	ND	ND	ND	4.06	44.1
19-Sep-20	971	ND	ND	ND	3.87	41.5
11-Nov-20	967	ND	ND	ND	4.40	42.8
24-Mar-21	875	ND	ND	ND	4.25	46.2
17-Jun-21	819	ND	ND	ND	4.80	41.7

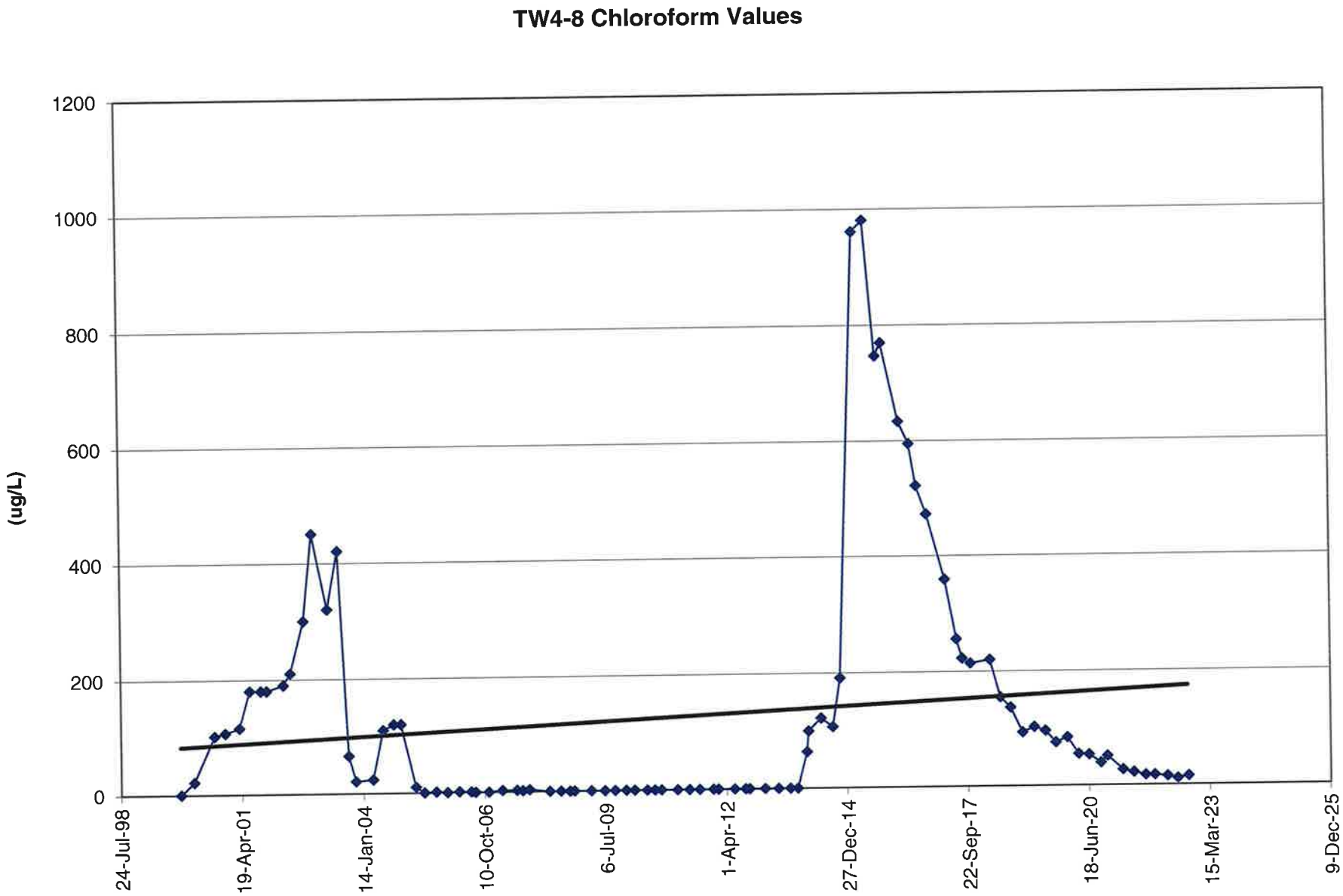
TW4-7	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
23-Sep-21	801	ND	ND	ND	4.58	42.8
9-Dec-21	868	ND	ND	ND	3.02	42.9
24-Mar-22	776	0.5	2.1	ND	4.1	41.3
22-Jun-22	447	ND	ND	ND	3.9	42.5
15-Sep-22	887	ND	ND	ND	3.77	45.0


TW4-7 Chloroform Values
(ug/L)
6000
5000
4000
3000
2000
1000
0
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17
18-Jun-20
15-Mar-23
9-Dec-25

TW4-8	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
29-Nov-99	0					
15-Mar-00	21.8					
2-Sep-00	102					
29-Nov-00	107				ND	
26-Mar-01	116				ND	
20-Jun-01	180				ND	
20-Sep-01	180				0.35	
7-Nov-01	180				ND	
26-Mar-02	190				0.62	
22-May-02	210				0.77	
12-Sep-02	300				ND	
24-Nov-02	450				ND	
28-Mar-03	320				0.8	
23-Jun-03	420				ND	
12-Sep-03	66.0				ND	
8-Nov-03	21.0				0.1	
29-Mar-04	24.0				0.65	
22-Jun-04	110				0.52	
17-Sep-04	120				ND	
17-Nov-04	120				ND	
16-Mar-05	10.0				ND	
25-May-05	<1	NA	NA	NA	0.2	NA
31-Aug-05	1.1	<1	1.7	<1	<0.1	NA
30-Nov-05	<1	<1	<1	<1	<0.1	NA
9-Mar-06	1.3	<1	2.1	<1	0.3	39
14-Jun-06	1.0	<1	1.8	<1	<0.1	37
20-Jul-06	<1	<1	<1	<1	0.1	39
8-Nov-06	<1	<1	<1	<1	<0.1	40
28-Feb-07	2.5	<1	<1	<1	0.7	39
27-Jun-07	2.5	<1	<1	<1	0.2	42
15-Aug-07	1.5	<1	<1	<1	<0.1	42
10-Oct-07	3.5	<1	<1	<1	0.5	43
26-Mar-08	<1	<1	<1	<1	0.1	46
25-Jun-08	<1	<1	<1	<1	<0.05	45
10-Sep-08	<1	<1	<1	<1	<0.05	39
15-Oct-08	<1	<1	<1	<1	<0.05	44
4-Mar-09	<1	<1	<1	<1	<0.1	42
24-Jun-09	<1	<1	<1	<1	<0.1	44
15-Sep-09	<1	<1	<1	<1	<1	44
17-Dec-09	<1	<1	<1	<1	<0.1	51
24-Feb-10	<1	<1	<1	<1	<0.1	57
9-Jun-10	<1	<1	<1	<1	<0.1	42
11-Aug-10	<1	<1	<1	<1	<0.1	45

TW4-8	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
5-Oct-10	<1	<1	<1	<1	<0.1	46
16-Feb-11	ND	ND	ND	ND	ND	52
25-May-11	ND	ND	ND	ND	0.1	45
16-Aug-11	ND	ND	ND	ND	0.1	46
7-Dec-11	ND	ND	ND	ND	0.2	45
18-Jan-12	ND	ND	ND	ND	0.3	45
31-May-12	ND	ND	ND	ND	0.2	44
29-Aug-12	ND	ND	ND	ND	0.1	48
3-Oct-12	ND	ND	ND	ND	ND	47
7-Feb-13	ND	ND	ND	ND	0.411	46.6
30-May-13	ND	ND	ND	ND	ND	45.5
5-Sep-13	ND	ND	ND	ND	ND	47.5
7-Nov-13	ND	ND	ND	ND	ND	46.1
23-Jan-14	63.8	ND	ND	ND	0.166	48.5
6-Feb-14	100	ND	ND	ND	0.165	46.6
22-May-14	122	ND	ND	ND	0.538	53
27-Aug-14	107	ND	ND	ND	0.6	47
29-Oct-14	191	ND	ND	ND	0.914	46.7
12-Mar-15	961	ND	ND	ND	2.34	49.6
11-Jun-15	981	ND	ND	ND	1.88	53
10-Sep-15	747	ND	ND	ND	1.96	59.6
29-Oct-15	770	ND	ND	ND	2.20	52.0
17-Mar-16	634	ND	ND	ND	2.48	54.2
8-Jun-16	595	ND	ND	ND	2.14	58.7
4-Aug-16	522	ND	ND	ND	2.10	56.9
27-Oct-16	472	ND	ND	ND	2.16	60.1
21-Mar-17	359	ND	ND	ND	2.06	57.4
21-Jun-17	256	ND	ND	ND	1.97	58.8
4-Aug-17	223	ND	ND	ND	1.64	61.2
11-Oct-17	214	ND	ND	ND	1.97	52.2
21-Mar-18	220	ND	ND	ND	1.36	60.8
14-Jun-18	155	ND	ND	ND	1.31	53.8
5-Sep-18	137	ND	ND	ND	1.40	63.2
13-Dec-18	93.8	ND	ND	ND	0.123	65.8
19-Mar-19	103	ND	ND	ND	1.23	54.3
19-Jun-19	96.0	ND	ND	ND	1.10	56.5
12-Sep-19	75.4	ND	ND	ND	0.999	52.0
18-Dec-19	84.4	ND	ND	ND	1.21	60.1
18-Mar-20	55.0	ND	ND	ND	1.04	53.8
12-Jun-20	53.8	ND	ND	ND	1.06	56.9
18-Sep-20	39.5	ND	ND	ND	0.894	52.6
11-Nov-20	51.3	ND	ND	ND	1.27	54.7
18-Mar-21	26.9	ND	ND	ND	1.00	52.8

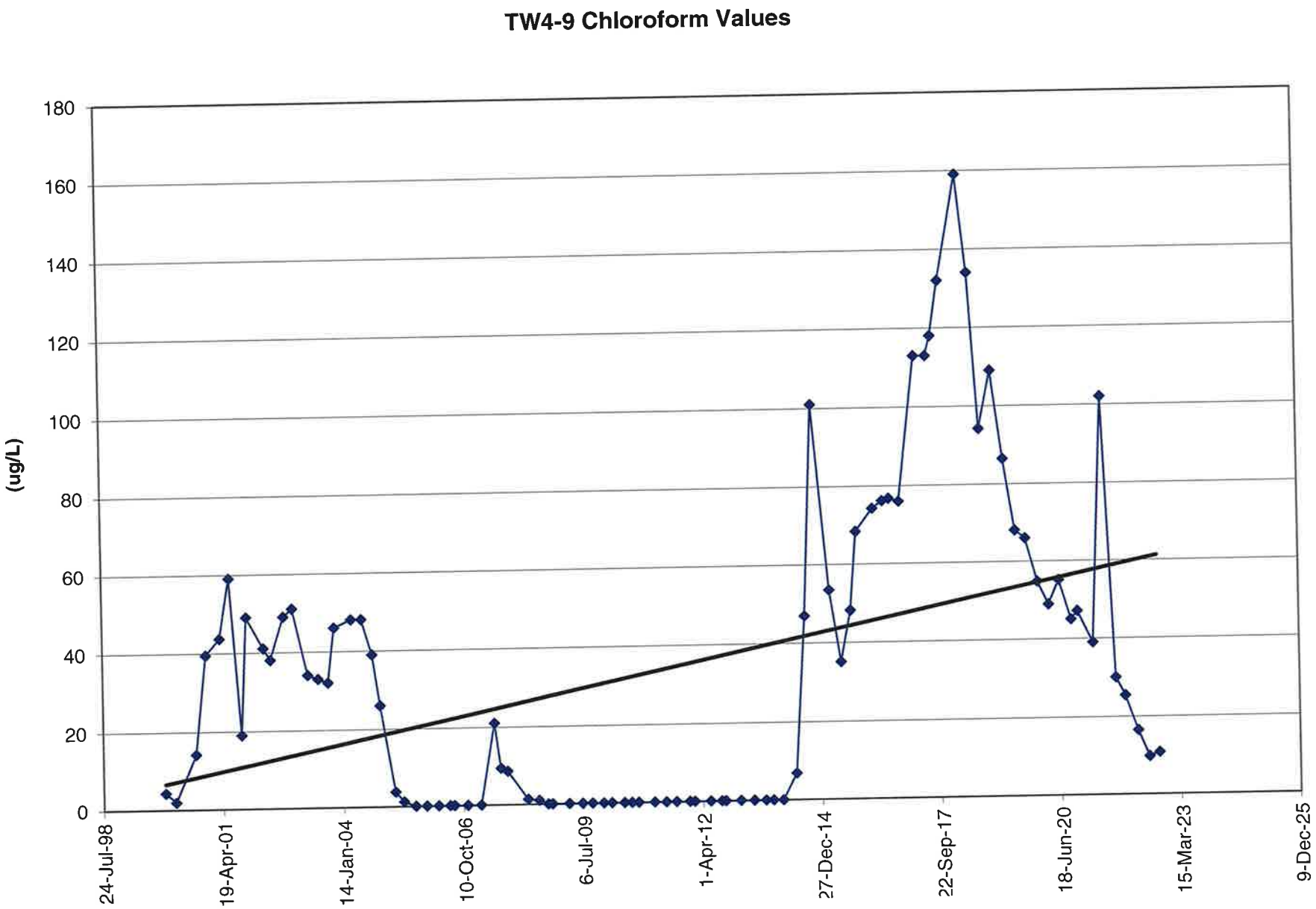
TW4-8	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
16-Jun-21	22.3	ND	ND	ND	1.12	51.5
22-Sep-21	17.0	ND	ND	ND	0.665	40.8
8-Dec-21	17.2	ND	ND	ND	0.738	54.9
23-Mar-22	15.1	ND	ND	ND	0.8	50.8
16-Jun-22	10.9	ND	ND	ND	0.64	52.8
14-Sep-22	15.3	ND	ND	ND	0.718	52.5


TW4-8 Chloroform Values
(ug/L)
1200
1000
800
600
400
200
0
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17
18-Jun-20
15-Mar-23
9-Dec-25

TW4-9	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
20-Dec-99	4.2					
15-Mar-00	1.9					
2-Sep-00	14.2					
29-Nov-00	39.4				ND	
27-Mar-01	43.6				ND	
20-Jun-01	59.0				0.15	
20-Sep-01	19.0				0.4	
7-Nov-01	49.0				0.1	
26-Mar-02	41.0				0.5	
22-May-02	38.0				0.65	
12-Sep-02	49.0				0.2	
24-Nov-02	51.0				0.6	
28-Mar-03	34.0				0.6	
23-Jun-03	33.0				0.8	
12-Sep-03	32.0				1.1	
8-Nov-03	46.0				1.1	
29-Mar-04	48.0				0.82	
22-Jun-04	48.0				0.75	
17-Sep-04	39.0				0.81	
17-Nov-04	26.0				1.2	
16-Mar-05	3.8				1.3	
25-May-05	1.2	NA	NA	NA	1.3	NA
31-Aug-05	<1	<1	2.9	<1	1.3	NA
1-Dec-05	<1	<1	<1	<1	1.3	NA
9-Mar-06	<1	<1	2.6	<1	1.5	38
14-Jun-06	<1	<1	2.7	<1	1.5	39
20-Jul-06	<1	<1	<1	<1	0.9	41
8-Nov-06	<1	<1	<1	<1	0.7	44
28-Feb-07	<1	<1	<1	<1	0.6	44
27-Jun-07	21	<1	<1	<1	1.3	42
15-Aug-07	9.5	<1	<1	<1	1.8	38
10-Oct-07	8.7	<1	<1	<1	2	40
26-Mar-08	1.3	<1	<1	<1	2.1	35
25-Jun-08	1.0	<1	<1	<1	2.3	35
10-Sep-08	<1	<1	<1	<1	2.79	28
15-Oct-08	<1	<1	<1	<1	1.99	58
4-Mar-09	<1	<1	<1	<1	2.5	30
24-Jun-09	<1	<1	<1	<1	2.3	30
15-Sep-09	<1	<1	<1	<1	2.5	30
17-Dec-09	<1	<1	<1	<1	1.7	37
23-Feb-10	<1	<1	<1	<1	1.7	47
9-Jun-10	<1	<1	<1	<1	1.5	33
11-Aug-10	<1	<1	<1	<1	1.2	40

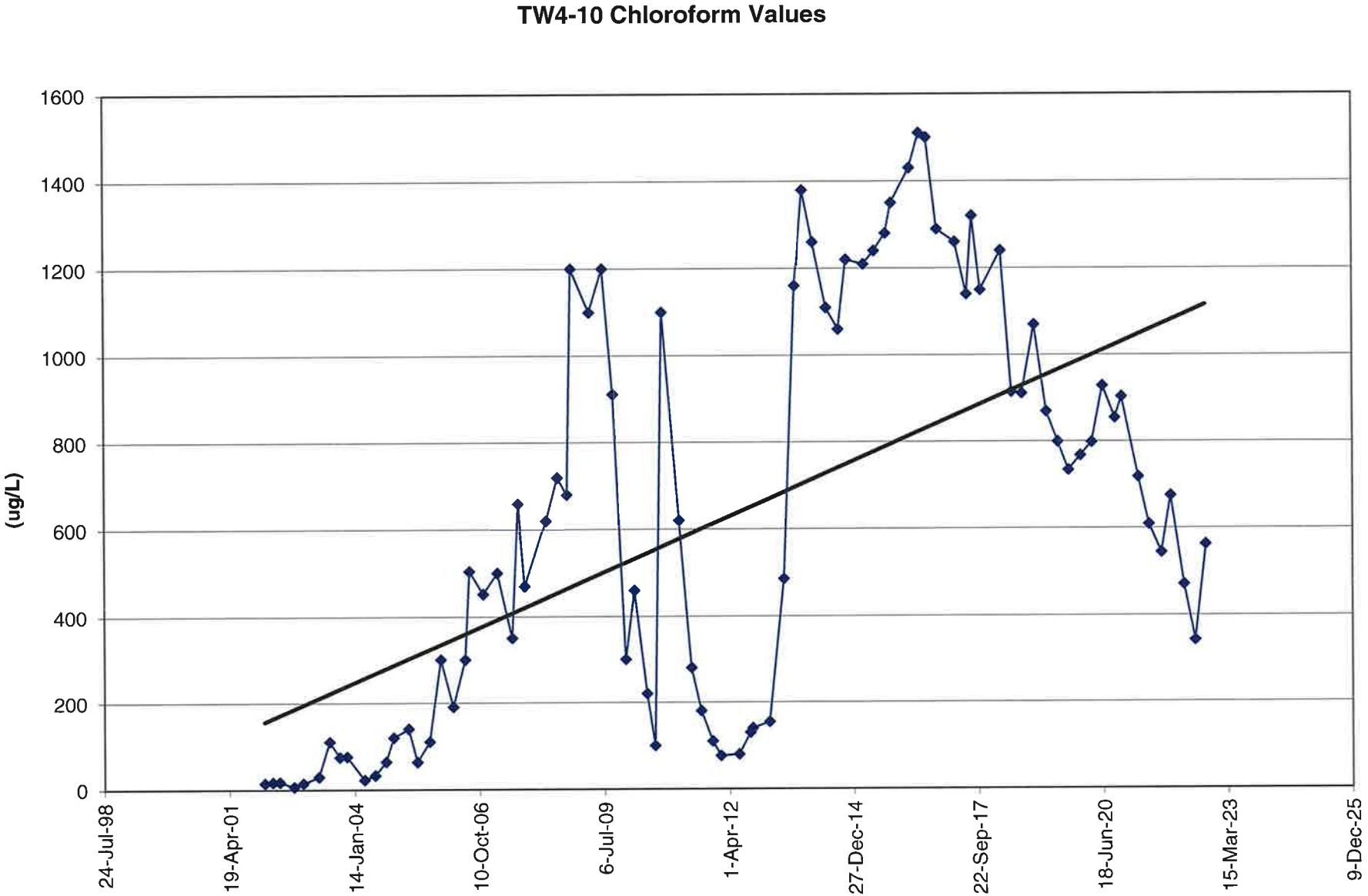
TW4-9	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
6-Oct-10	<1	<1	<1	<1	1.8	34
17-Feb-11	ND	ND	ND	ND	1.3	41
25-May-11	ND	ND	ND	ND	3.4	38
16-Aug-11	ND	ND	ND	ND	4	21
7-Dec-11	ND	ND	ND	ND	2.3	38
18-Jan-12	ND	ND	ND	ND	2.3	28
31-May-12	ND	ND	ND	ND	4	23
30-Aug-12	ND	ND	ND	ND	3.9	22
3-Oct-12	ND	ND	ND	ND	3.8	21
7-Feb-13	ND	ND	ND	ND	4.12	20.6
30-May-13	ND	ND	ND	ND	4.49	21.4
5-Sep-13	ND	ND	ND	ND	4.03	22.7
7-Nov-13	ND	ND	ND	ND	4.87	23.6
29-Jan-14	ND	ND	ND	ND	4.36	22
21-May-14	6.9	ND	ND	ND	3.44	24
14-Aug-14	46.9	ND	ND	ND	2.7	27
29-Oct-14	101	ND	ND	ND	4.27	25
12-Mar-15	53.5	ND	ND	ND	3.28	29.5
11-Jun-15	35.1	ND	ND	ND	1.83	35.3
3-Sep-15	48.2	ND	ND	ND	1.44	39.5
28-Oct-15	68.4	ND	ND	ND	2.89	29.2
17-Mar-16	74.3	ND	ND	ND	2.51	33.6
8-Jun-16	76.2	ND	ND	ND	2.16	35.1
3-Aug-16	76.8	ND	ND	ND	2.11	33.6
26-Oct-16	76	ND	ND	ND	2.24	37.4
16-Mar-17	113	ND	ND	ND	2.18	34.5
21-Jun-17	113	ND	ND	ND	1.92	35.9
3-Aug-17	118	ND	ND	ND	1.90	37.0
11-Oct-17	132	ND	ND	ND	2.18	32.3
21-Mar-18	159	ND	ND	ND	1.85	38.3
14-Jun-18	134	ND	ND	ND	1.85	35.7
5-Sep-18	94.2	ND	ND	ND	1.04	43.4
13-Dec-18	109	ND	ND	ND	1.23	36.3
19-Mar-19	86.4	ND	ND	ND	1.09	36.9
19-Jun-19	68.1	ND	ND	ND	0.785	38.3
11-Sep-19	66.0	ND	ND	ND	0.904	35.2
18-Dec-19	54.8	ND	ND	ND	0.744	40.1
18-Mar-20	48.9	ND	ND	ND	0.855	37.7
12-Jun-20	55.1	ND	ND	ND	0.990	39.5
18-Sep-20	45.0	ND	ND	ND	0.867	36.7
11-Nov-20	47.1	ND	ND	ND	1.11	37.2
18-Mar-21	39.0	ND	ND	ND	1.06	40.7
16-Jun-21	102.0	ND	ND	ND	1.00	37.4

TW4-9	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
22-Sep-21	30.0	ND	ND	ND	0.700	30.8
8-Dec-21	25.4	ND	ND	ND	0.798	36.9
23-Mar-22	16.5	ND	ND	ND	0.8	34.6
22-Jun-22	9.8	ND	ND	ND	0.62	41.7
14-Sep-22	10.8	ND	ND	ND	0.673	32.4


TW4-9 Chloroform Values
(ug/L)
180
160
140
120
100
80
60
40
20
0
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17
18-Jun-20
15-Mar-23
9-Dec-25

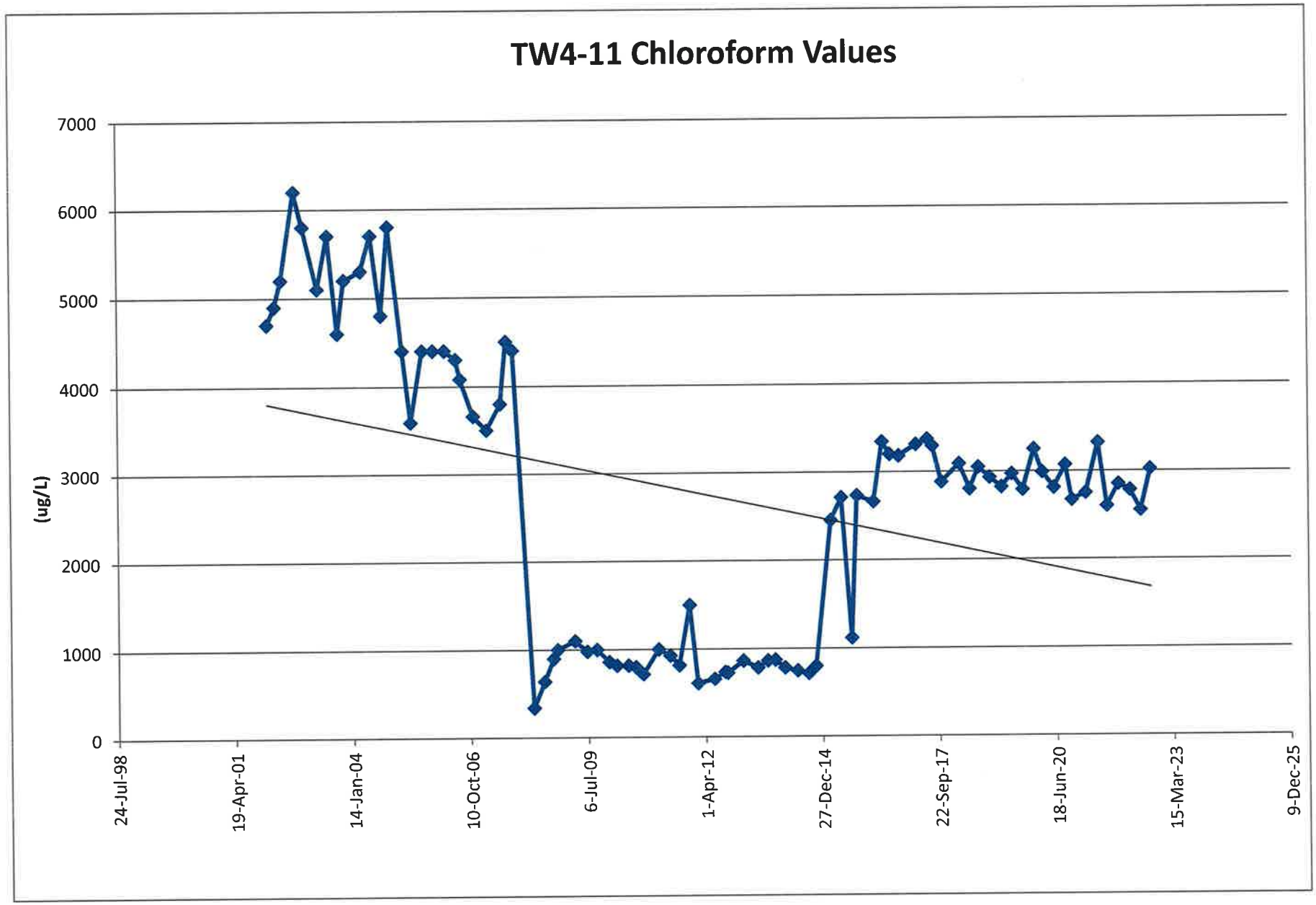
TW4-10	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
21-Jan-02	14					
26-Mar-02	16				0.14	
21-May-02	17				0.11	
12-Sep-02	6				ND	
24-Nov-02	14				ND	
28-Mar-03	29				0.2	
23-Jun-03	110				0.4	
12-Sep-03	74				0.4	
8-Nov-03	75				0.3	
29-Mar-04	22				0.1	
22-Jun-04	32				ND	
17-Sep-04	63				0.46	
17-Nov-04	120				0.4	
16-Mar-05	140				1.6	
25-May-05	62.4	NA	NA	NA	0.8	NA
31-Aug-05	110	<2.5	6.2	<2.5	1.1	NA
1-Dec-05	300	<2.5	<2.5	<2.5	3.3	NA
9-Mar-06	190	<5	<50	<50	2.4	50
14-Jun-06	300	<5	<50	<50	3.5	54
20-Jul-06	504	<5	<50	<50	6.8	61
8-Nov-06	452	<1	1.6	1	5.7	58
28-Feb-07	500	<1	<1	1	7.6	62
27-Jun-07	350	<1	<1	1	5.1	54
15-Aug-07	660	<1	<1	1	7.3	59
10-Oct-07	470	<1	<1	1	6.7	59
26-Mar-08	620	<1	<1	1	7.3	55
25-Jun-08	720	<1	<1	1	9.91	58
10-Sep-08	680	<1	<1	1	9.23	51
15-Oct-08	1200	<2	<2	2	10.5	61
11-Mar-09	1100	<1	<1	1	11.6	64
24-Jun-09	1200	<1	<1	1	9.8	62
15-Sep-09	910	<1	<1	1	8.1	51
22-Dec-09	300	<1	<1	<1	3.5	51
3-Mar-10	460	<1	<1	<1	5	49
10-Jun-10	220	<1	<1	<1	1.6	42
12-Aug-10	100	<1	<1	<1	0.8	38
13-Oct-10	1100	<1	<1	<1	11	52
23-Feb-11	620	ND	ND	ND	9	62
1-Jun-11	280	ND	ND	ND	3.3	42
17-Aug-11	180	ND	ND	ND	1.9	41
16-Nov-11	110	ND	ND	ND	1.1	45
19-Jan-12	76	ND	ND	ND	0.9	40
13-Jun-12	79	ND	ND	ND	0.8	46

TW4-10	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-12	130	ND	ND	ND	1.0	44
3-Oct-12	140	ND	ND	ND	1.6	45
13-Feb-13	154	ND	ND	ND	1.2	49.1
13-Jun-13	486	ND	ND	ND	5.6	51.5
12-Sep-13	1160	ND	ND	ND	13.0	67.9
14-Nov-13	1380	ND	ND	ND	16.0	70.9
5-Feb-14	1260	5.16	ND	ND	16.8	73
23-May-14	1110	ND	ND	ND	13.9	77.3
27-Aug-14	1060	ND	1.5	ND	9.8	74
30-Oct-14	1220	ND	ND	ND	13.2	75.2
18-Mar-15	1210	ND	ND	ND	15.0	78.6
11-Jun-15	1240	ND	ND	ND	11.4	75
10-Sep-15	1280	ND	ND	ND	14.0	89.5
29-Oct-15	1350	ND	ND	ND	13.5	79.9
22-Mar-16	1430	ND	ND	ND	17.3	84.1
8-Jun-16	1510	ND	ND	ND	14.9	89.5
4-Aug-16	1500	ND	ND	ND	14.9	85.3
27-Oct-16	1290	ND	ND	ND	14.8	84.4
21-Mar-17	1260	ND	ND	ND	13.0	74.6
21-Jun-17	1140	ND	ND	ND	13.0	73.1
4-Aug-17	1320	ND	ND	ND	13.4	77.0
11-Oct-17	1150	ND	ND	ND	12.9	70.0
21-Mar-18	1240	ND	ND	ND	11.1	72.7
14-Jun-18	914	ND	ND	ND	11.2	64.5
5-Sep-18	911	ND	ND	ND	10.1	73.5
13-Dec-18	1070	ND	ND	ND	10.6	63.5
20-Mar-19	869	ND	ND	ND	9.34	59.3
19-Jun-19	799	ND	ND	ND	8.86	58.7
12-Sep-19	734	ND	ND	ND	7.79	55.8
18-Dec-19	768	ND	ND	ND	6.89	62.0
18-Mar-20	798	ND	ND	ND	7.83	53.5
12-Jun-20	928	ND	ND	ND	8.13	60.1
19-Sep-20	854	ND	ND	ND	7.34	53.9
11-Nov-20	903	ND	ND	ND	8.69	58.6
24-Mar-21	718	ND	ND	ND	7.20	58.1
17-Jun-21	609	ND	ND	ND	7.75	48.7
23-Sep-21	545	ND	ND	ND	6.35	50.6
9-Dec-21	675	ND	ND	ND	5.47	51.9
24-Mar-22	471	ND	1	ND	5.1	49.0
22-Jun-22	342	ND	ND	ND	4.6	46.0
15-Sep-22	563	ND	ND	ND	5.57	52.0


TW4-10 Chloroform Values
(ug/L)
1600
1400
1200
1000
800
600
400
200
0
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17
18-Jun-20
15-Mar-23
9-Dec-25

TW4-11	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
21-Jan-02	4700					
26-Mar-02	4900				9.6	
22-May-02	5200				9.07	
12-Sep-02	6200				8.84	
24-Nov-02	5800				9.7	
28-Mar-03	5100				9.7	
23-Jun-03	5700				9.4	
12-Sep-03	4600				9.9	
8-Nov-03	5200				9.3	
29-Mar-04	5300				9.07	
22-Jun-04	5700				8.74	
17-Sep-04	4800				8.75	
17-Nov-04	5800				9.7	
16-Mar-05	4400				8.7	
25-May-05	3590	NA	NA	NA	10.3	NA
31-Aug-05	4400	<10	<10	<10	9.4	NA
1-Dec-05	4400	<100	<100	<100	9.4	NA
9-Mar-06	4400	<50	<50	<50	9.2	56
14-Jun-06	4300	<50	<50	<50	10	56
20-Jul-06	4080	<50	<50	<50	10	55
8-Nov-06	3660	1.7	2.7	1.3	10	55
28-Feb-07	3500	1.3	<1	1.6	10.1	54
27-Jun-07	3800	1.6	<1	1.1	10.6	53
15-Aug-07	4500	1.7	<1	1.1	10.2	53
10-Oct-07	4400	1.6	<1	1.2	9.8	53
26-Mar-08	340	<1	<1	<1	7.7	63
25-Jun-08	640	<1	<1	<1	7.28	46
10-Sep-08	900	<1	<1	<1	7.93	42
15-Oct-08	1000	<2	<2	<2	9.46	47
11-Mar-09	1100	<1	<1	<1	7.3	49
24-Jun-09	980	<1	<1	<1	6.8	44
15-Sep-09	1000	<1	<1	<1	7	49
29-Dec-09	860	<1	<1	<1	6.6	46
3-Mar-10	820	<1	<1	<1	6.8	42
10-Jun-10	820	<1	<1	<1	6.9	40
12-Aug-10	800	<1	<1	<1	6.7	43
13-Oct-10	720	<1	<1	<1	6.4	49
23-Feb-11	1000	ND	ND	ND	6.5	46
1-Jun-11	930	ND	ND	ND	7.3	49
17-Aug-11	820	ND	ND	ND	7.1	48
16-Nov-11	1500	ND	ND	ND	7.1	46
24-Jan-12	610	ND	ND	ND	6.8	43
13-Jun-12	660	ND	ND	ND	6.7	52

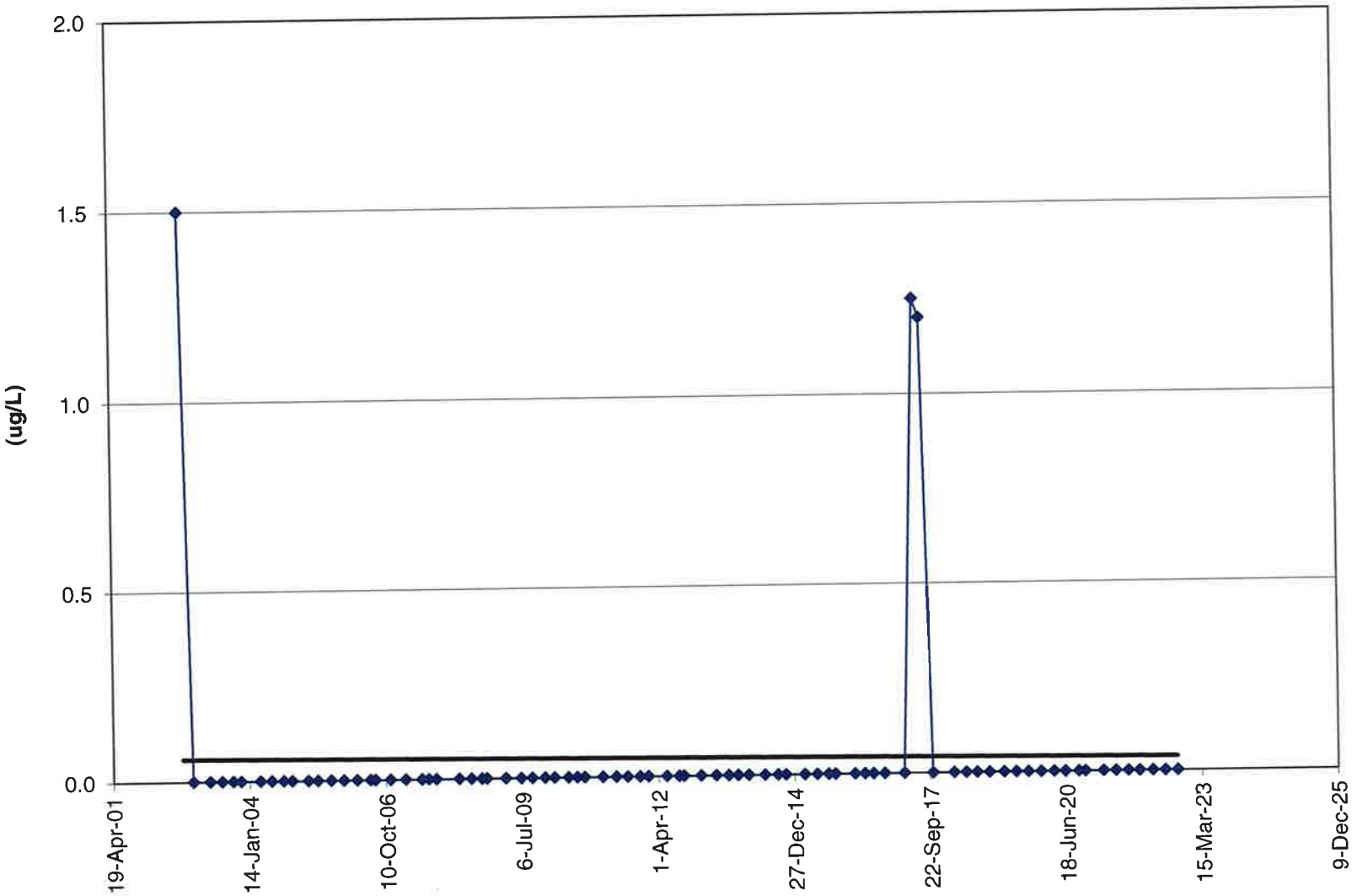
TW4-11	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
13-Sep-12	740	ND	ND	ND	3	49
4-Oct-12	730	ND	ND	ND	7	50
13-Feb-13	867	3.23	ND	ND	6.83	47.3
18-Jun-13	788	ND	ND	ND	7.42	49.7
12-Sep-13	865	ND	ND	ND	7.8	46.6
13-Nov-13	874	ND	ND	ND	8.01	46.7
5-Feb-14	785	5.19	ND	ND	8.47	48.5
23-May-14	751	ND	ND	ND	6.92	51.6
27-Aug-14	719	ND	1.2	ND	5.4	48
29-Oct-14	803	ND	ND	ND	7.33	56.4
9-Mar-15	2450	1.24	ND	ND	8.72	49.8
8-Jun-15	2710	ND	ND	ND	8.48	62.2
31-Aug-15	1120	ND	1.62	ND	9.61	73.1
19-Oct-15	2730	ND	ND	ND	7.5	55.3
9-Mar-16	2660	1.2	ND	ND	7.13	55.5
23-May-16	3340	2.19	ND	ND	7.81	56.4
25-Jul-16	3200	ND	ND	ND	8.83	55.3
12-Oct-16	3180	1.58	ND	ND	8.92	57.2
8-Mar-17	3310	1.71	ND	ND	8.12	49.8
13-Jun-17	3370	1.83	ND	ND	7.92	51.4
26-Jul-17	3290	1.81	ND	ND	7.78	51.0
11-Oct-17	2880	1.48	ND	ND	7.79	49.7
12-Mar-18	3090	1.82	ND	ND	7.89	54.0
8-Jun-18	2800	1.34	ND	ND	7.51	52.6
22-Aug-18	3050	1.47	ND	ND	7.15	53.3
28-Nov-18	2930	1.33	ND	ND	6.85	45.4
8-Mar-19	2820	1.48	ND	ND	7.50	46.8
5-Jun-19	2970	1.52	1.40	ND	8.30	45.3
4-Sep-19	2790	ND	ND	ND	7.15	48.8
10-Dec-19	3250	ND	ND	ND	7.14	49.0
19-Feb-20	2990	ND	ND	ND	7.07	51.9
27-May-20	2810	1.37	ND	ND	7.56	48.6
4-Sep-20	3070	1.37	ND	ND	7.59	46.3
28-Oct-20	2670	ND	3.86	ND	7.19	43.3
23-Feb-21	2750	ND	3.86	ND	7.21	49.5
9-Jun-21	3320	ND	ND	ND	8.17	37.7
24-Aug-21	2600	ND	ND	ND	5.78	40.2
1-Dec-21	2850	ND	ND	ND	7.44	48.4
9-Mar-22	2780	ND	ND	ND	7.4	41.5
8-Jun-22	2550	1.0	2.7	ND	5.9	44.5
30-Aug-22	3020	ND	ND	ND	6.90	42.4


TW4-11 Chloroform Values
7000
6000
5000
4000
3000
2000
1000
0
(ug/L)
24-Jul-98
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17
18-Jun-20
15-Mar-23
9-Dec-25

TW4-12	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	2				2.54	
24-Nov-02	0				2.2	
28-Mar-03	0				1.9	
23-Jun-03	0				1.8	
12-Sep-03	0				1.8	
9-Nov-03	0				1.6	
29-Mar-04	0				1.58	
22-Jun-04	0				1.4	
17-Sep-04	0				1.24	
17-Nov-04	0				1.5	
16-Mar-05	0				1.4	
25-May-05	<1	NA	NA	NA	1.6	NA
31-Aug-05	<1	<1	5.8	<1	1.5	NA
1-Dec-05	<1	<1	1.9	<2	1.4	NA
9-Mar-06	<1	<1	2.6	<1	1.3	19
14-Jun-06	<1	<1	1.4	<1	1.4	16
20-Jul-06	<1	<1	<1	<1	1.4	16
8-Nov-06	<1	<1	<1	<1	1.4	16
28-Feb-07	<1	<1	<1	<1	1.5	16
27-Jun-07	<1	<1	<1	<1	1,5	18
15-Aug-07	<1	<1	<1	<1	1.4	29
10-Oct-07	<1	<1	<1	<1	1.4	16
26-Mar-08	<1	<1	<1	<1	1.6	16
25-Jun-08	<1	<1	<1	<1	2.69	19
10-Sep-08	<1	<1	<1	<1	2.65	18
15-Oct-08	<1	<1	<1	<1	2.47	22
4-Mar-09	<1	<1	<1	<1	2.4	23
24-Jun-09	<1	<1	<1	<1	3.8	22
15-Sep-09	<1	<1	<1	<1	5.1	22
16-Dec-09	<1	<1	<1	<1	3.6	23
23-Feb-10	<1	<1	<1	<1	4	22
8-Jun-10	<1	<1	<1	<1	11	29
10-Aug-10	<1	<1	<1	<1	9	35
5-Oct-10	<1	<1	<1	<1	8	31
15-Feb-11	ND	ND	ND	ND	6.5	31
25-May-11	ND	ND	ND	ND	7	32
16-Aug-11	ND	ND	ND	ND	6.8	31
15-Nov-11	ND	ND	ND	ND	8	30
17-Jan-12	ND	ND	ND	ND	7.7	28
31-May-12	ND	ND	ND	ND	10	34
29-Aug-12	ND	ND	ND	ND	13	39
3-Oct-12	ND	ND	ND	ND	13	39
7-Feb-13	ND	ND	ND	ND	12.6	36.7

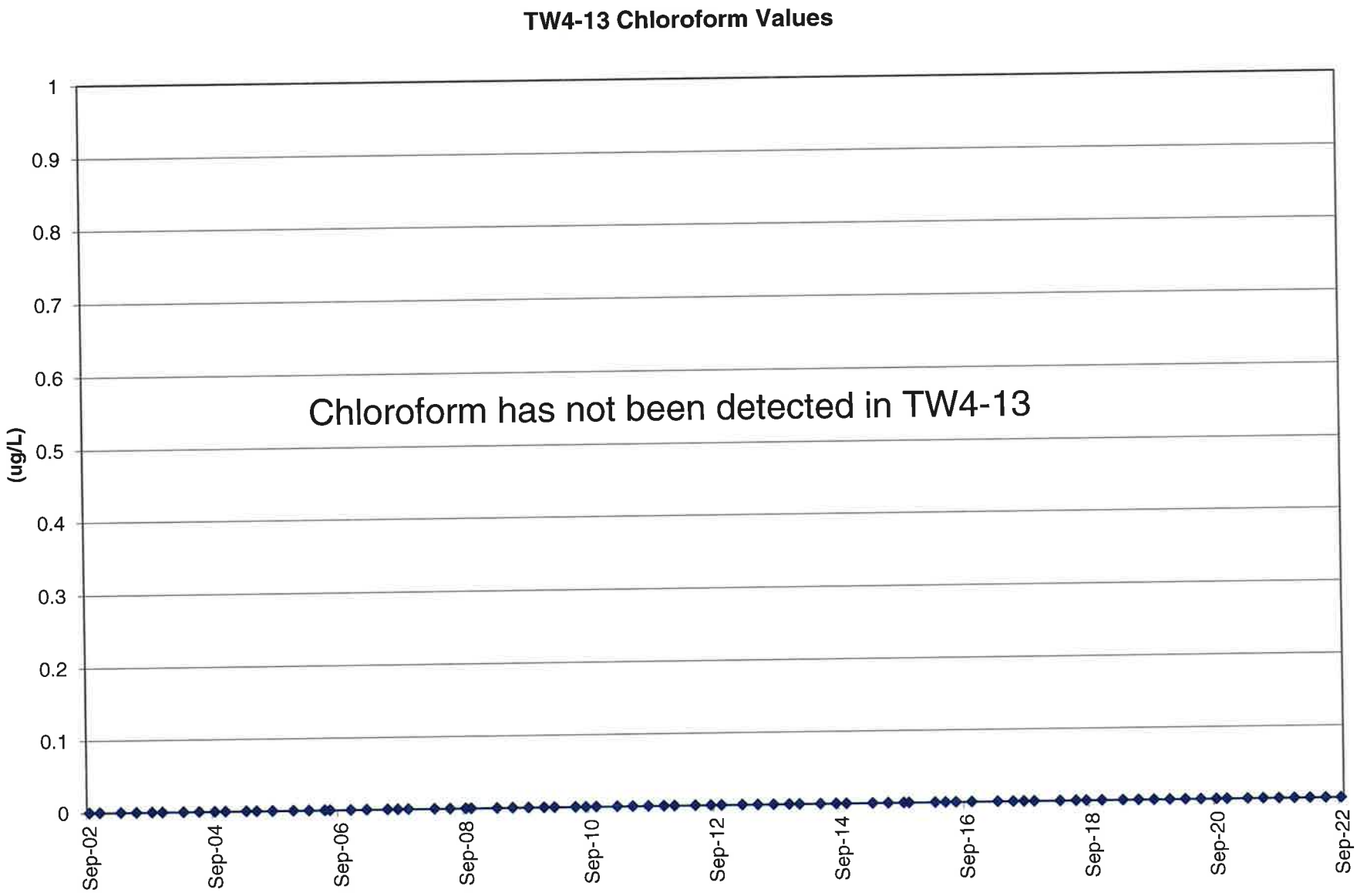
TW4-12	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
29-May-13	ND	ND	ND	ND	14.2	38.6
29-Aug-13	ND	ND	ND	ND	17.4	41.7
6-Nov-13	ND	ND	ND	ND	16.4	41.4
22-Jan-14	ND	ND	ND	ND	18.4	41.6
21-May-14	ND	ND	ND	ND	17	40.2
27-Aug-14	ND	ND	ND	ND	13	47
23-Oct-14	ND	ND	ND	ND	16.1	50.2
11-Mar-15	ND	ND	ND	ND	19.2	50.6
10-Jun-15	ND	ND	ND	ND	18.8	56
2-Sep-15	ND	ND	ND	ND	16.4	60.2
21-Oct-15	ND	ND	ND	ND	18	51.0
15-Mar-16	ND	ND	ND	ND	34.8	56.2
25-May-16	ND	ND	ND	ND	30.7	66.4
27-Jul-16	ND	ND	ND	ND	37.7	67.5
19-Oct-16	ND	ND	ND	ND	25.8	72.6
14-Mar-17	ND	ND	ND	ND	25.9	62.6
14-Jun-17	1.25	ND	ND	ND	29.9	67.2
2-Aug-17	1.20	ND	ND	ND	25.1	65.3
10-Oct-17	ND	ND	ND	ND	26.9	56.2
14-Mar-18	ND	ND	ND	ND	19.8	59.5
12-Jun-18	ND	ND	ND	ND	18.4	53.6
29-Aug-18	ND	ND	ND	ND	13.6	59.9
30-Nov-18	ND	ND	ND	ND	10.4	56.1
16-Mar-19	ND	ND	ND	ND	10.1	50.8
13-Jun-19	ND	ND	ND	ND	8.31	55.3
11-Sep-19	ND	ND	ND	ND	8.88	52.6
14-Dec-19	ND	ND	ND	ND	8.04	58.0
17-Mar-20	ND	ND	ND	ND	6.39	53.0
10-Jun-20	ND	ND	ND	ND	4.95	51.7
17-Sep-20	ND	ND	ND	ND	2.34	50.3
4-Nov-20	ND	ND	ND	ND	5.91	48.0
17-Mar-21	ND	ND	ND	ND	3.10	52.0
15-Jun-21	ND	ND	ND	ND	2.39	51.8
15-Sep-21	ND	ND	ND	ND	1.95	36.1
7-Dec-21	ND	ND	ND	ND	1.46	49.8
15-Mar-22	ND	ND	ND	ND	8.4	25.8
15-Jun-22	ND	ND	ND	ND	16.0	53.3
13-Sep-22	ND	ND	ND	ND	13.80	57.9

TW4-12 Chloroform Values



TW4-13	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	ND				ND	
24-Nov-02	ND				ND	
28-Mar-03	ND				0.20	
23-Jun-03	ND				0.20	
12-Sep-03	ND				ND	
9-Nov-03	ND				0.90	
29-Mar-04	ND				0.12	
22-Jun-04	ND				0.17	
17-Sep-04	ND				4.43	
17-Nov-04	ND				4.70	
16-Mar-05	ND				4.20	
25-May-05	<1	NA	NA	NA	4.30	NA
31-Aug-05	<1	<1	3.1	<1	4.60	NA
1-Dec-05	<1	<1	<1	<1	4.30	NA
9-Mar-06	<1	<1	1.7	<1	4.20	67.0
14-Jun-06	<1	<1	1.4	<1	4.90	66.0
20-Jul-06	<1	<1	<1	<1	4.30	65.0
8-Nov-06	<1	<1	<1	<1	0.80	33.0
28-Feb-07	<1	<1	<1	<1	4.00	59.0
27-Jun-07	<1	<1	<1	<1	4.60	59.0
15-Aug-07	<1	<1	<1	<1	4.40	58.0
10-Oct-07	<1	<1	<1	<1	4.10	58.0
26-Mar-08	<1	<1	<1	<1	3.80	54.0
25-Jun-08	<1	<1	<1	<1	4.24	58.0
10-Sep-08	<1	<1	<1	<1	4.26	50.0
15-Oct-08	<1	<1	<1	<1	4.63	58.0
4-Mar-09	<1	<1	<1	<1	3.70	58.0
24-Jun-09	<1	<1	<1	<1	1.20	57.0
15-Sep-09	<1	<1	<1	<1	4.70	63.0
16-Dec-09	<1	<1	<1	<1	4.10	60.0
24-Feb-10	<1	<1	<1	<1	4.30	53.0
8-Jun-10	<1	<1	<1	<1	5.20	52.0
10-Aug-10	<1	<1	<1	<1	5.60	55.0
5-Oct-10	<1	<1	<1	<1	5.80	55.0
15-Feb-11	ND	ND	ND	ND	5.50	60.0
25-May-11	ND	ND	ND	ND	5.40	56.0
16-Aug-11	ND	ND	ND	ND	5.20	60.0
15-Nov-11	ND	ND	ND	ND	5.90	54.0
17-Jan-12	ND	ND	ND	ND	5.50	55.0
31-May-12	ND	ND	ND	ND	6.00	59.0
29-Aug-12	ND	ND	ND	ND	6.20	60.0
3-Oct-12	ND	ND	ND	ND	5.90	60.0
7-Feb-13	ND	ND	ND	ND	6.31	59.3
29-May-13	ND	ND	ND	ND	6.84	56

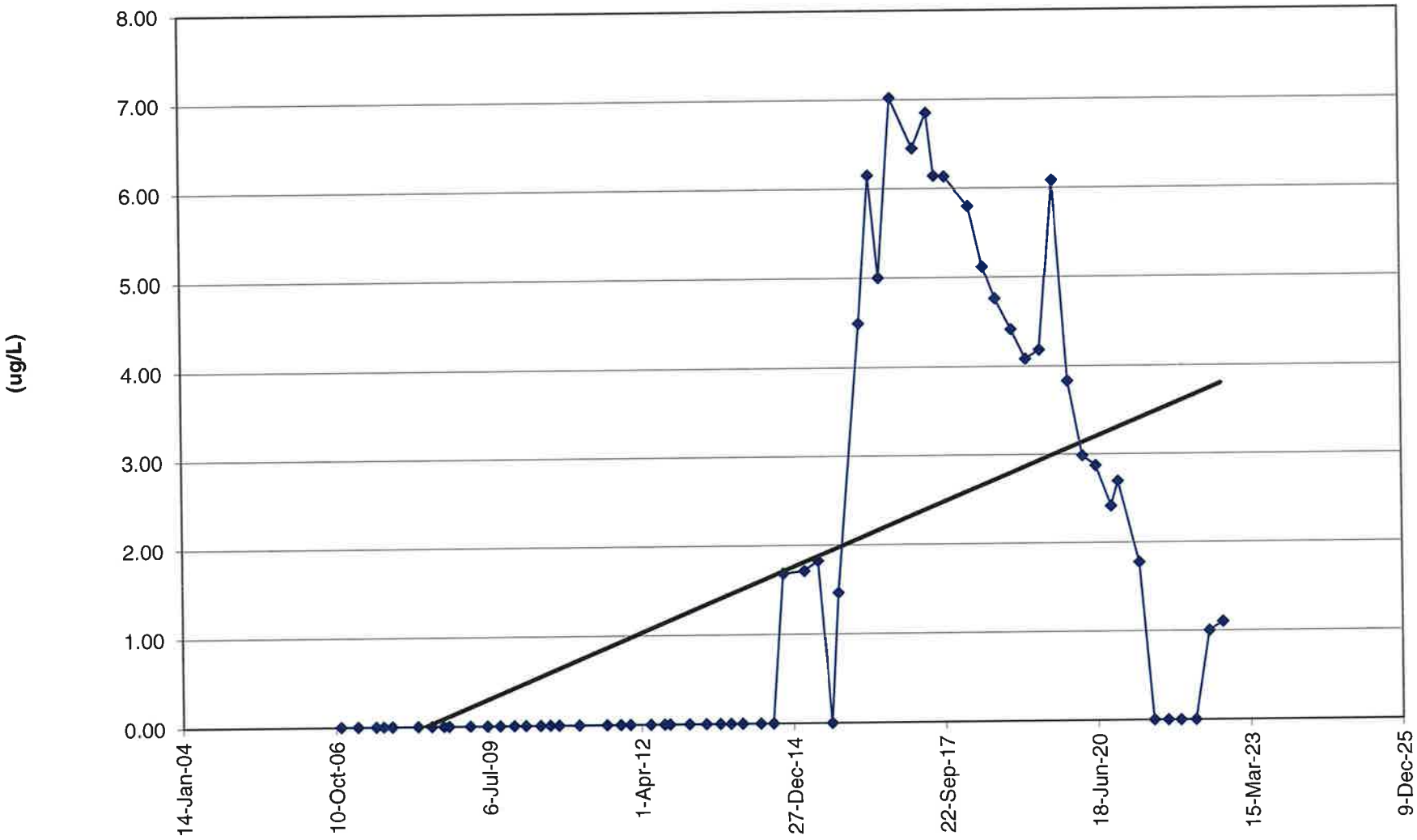
TW4-13	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
29-Aug-13	ND	ND	ND	ND	7.16	63.5
6-Nov-13	ND	ND	ND	ND	6.48	58.5
22-Jan-14	ND	ND	ND	ND	7.09	63.1
21-May-14	ND	ND	ND	ND	5.99	56.1
13-Aug-14	ND	ND	ND	ND	4.80	62
23-Oct-14	ND	ND	ND	ND	6.28	66.1
11-Mar-15	ND	ND	ND	ND	7.09	66.4
10-Jun-15	ND	ND	ND	ND	6.32	70.3
2-Sep-15	ND	ND	ND	ND	5.70	76.5
21-Oct-15	ND	ND	ND	ND	5.78	65.5
16-Mar-16	ND	ND	ND	ND	7.97	69.4
25-May-16	ND	ND	ND	ND	5.87	71.8
28-Jul-16	ND	ND	ND	ND	6.14	69.3
19-Oct-16	ND	ND	ND	ND	6.20	70.9
15-Mar-17	ND	ND	ND	ND	6.05	66.0
15-Jun-17	ND	ND	ND	ND	6.49	70.4
2-Aug-17	ND	ND	ND	ND	6.15	70.5
10-Oct-17	ND	ND	ND	ND	6.17	60.9
14-Mar-18	ND	ND	ND	ND	5.76	71.0
12-Jun-18	ND	ND	ND	ND	6.24	65.0
29-Aug-18	ND	ND	ND	ND	5.13	73.7
30-Nov-18	ND	ND	ND	ND	5.29	64.5
16-Mar-19	ND	ND	ND	ND	5.74	61.6
13-Jun-19	ND	ND	ND	ND	6.56	65.4
13-Sep-19	ND	ND	ND	ND	5.19	65.3
14-Dec-19	ND	ND	ND	ND	5.17	68.7
17-Mar-20	ND	ND	ND	ND	5.50	63.9
11-Jun-20	ND	ND	ND	ND	5.96	62.7
17-Sep-20	ND	ND	ND	ND	5.25	60.2
4-Nov-20	ND	ND	ND	ND	4.92	60.6
17-Mar-21	ND	ND	ND	ND	5.57	67.3
15-Jun-21	ND	ND	ND	ND	2.88	57.7
15-Sep-21	ND	ND	ND	ND	4.80	54.2
7-Dec-21	ND	ND	ND	ND	5.06	61.0
16-Mar-22	ND	ND	ND	ND	4.8	59.2
15-Jun-22	ND	ND	ND	ND	4.5	62.6
13-Sep-22	ND	ND	ND	ND	4.37	62.4


TW4-13 Chloroform Values
(ug/L)
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
Chloroform has not been detected in TW4-13
Sep-02
Sep-04
Sep-06
Sep-08
Sep-10
Sep-12
Sep-14
Sep-16
Sep-18
Sep-20
Sep-22

TW4-14	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
8-Nov-06	<1	<1	<1	<1	2.40	37.0
28-Feb-07	<1	<1	<1	<1	2.30	38.0
27-Jun-07	<1	<1	<1	<1	1.40	38.0
15-Aug-07	<1	<1	<1	<1	1.10	36.0
10-Oct-07	<1	<1	<1	<1	0.80	36.0
26-Mar-08	<1	<1	<1	<1	0.04	57.0
25-Jun-08	<1	<1	<1	<1	1.56	35.0
10-Sep-08	<1	<1	<1	<1	1.34	34.0
15-Oct-08	<1	<1	<1	<1	0.76	40.0
4-Mar-09	<1	<1	<1	<1	1.60	35.0
24-Jun-09	<1	<1	<1	<1	1.40	36.0
15-Sep-09	<1	<1	<1	<1	1.50	38.0
16-Dec-09	<1	<1	<1	<1	1.40	34.0
3-Mar-10	<1	<1	<1	<1	2.50	33.0
8-Jun-10	<1	<1	<1	<1	2.90	49.0
10-Aug-10	<1	<1	<1	<1	2.80	35.0
6-Oct-10	<1	<1	<1	<1	2.90	29.0
15-Feb-11	ND	ND	ND	ND	1.80	25.0
16-Aug-11	ND	ND	ND	ND	2.60	33.0
15-Nov-11	ND	ND	ND	ND	1.70	15.0
17-Jan-12	ND	ND	ND	ND	1.90	20.0
31-May-12	ND	ND	ND	ND	3.30	35.0
29-Aug-12	ND	ND	ND	ND	3.90	37.0
3-Oct-12	ND	ND	ND	ND	4.20	37.0
7-Feb-13	ND	ND	ND	ND	4.63	35.2
30-May-13	ND	ND	ND	ND	4.37	38.6
29-Aug-13	ND	ND	ND	ND	4.51	37.6
6-Nov-13	ND	ND	ND	ND	4.81	36.5
22-Jan-14	ND	ND	ND	ND	5.92	35.5
21-May-14	ND	ND	ND	ND	4.87	32.5
13-Aug-14	ND	ND	ND	ND	4.10	38.0
23-Oct-14	1.68	ND	ND	ND	5.22	38.9
12-Mar-15	1.71	ND	ND	ND	5.22	40.1
10-Jun-15	1.82	ND	ND	ND	3.55	41.8
3-Sep-15	ND	ND	ND	ND	2.77	42.4
21-Oct-15	1.46	ND	ND	ND	2.45	40.6
16-Mar-16	4.49	ND	ND	2.18	2.94	42.4
26-May-16	6.15	ND	ND	3.18	2.45	43.6
28-Jul-16	5.00	ND	ND	1.80	2.88	42.4
20-Oct-16	7.02	ND	ND	1.59	2.86	45.6
15-Mar-17	6.45	ND	ND	ND	4.36	45.4
15-Jun-17	6.85	ND	ND	ND	5.12	46.9
2-Aug-17	6.14	ND	ND	ND	4.84	46.4

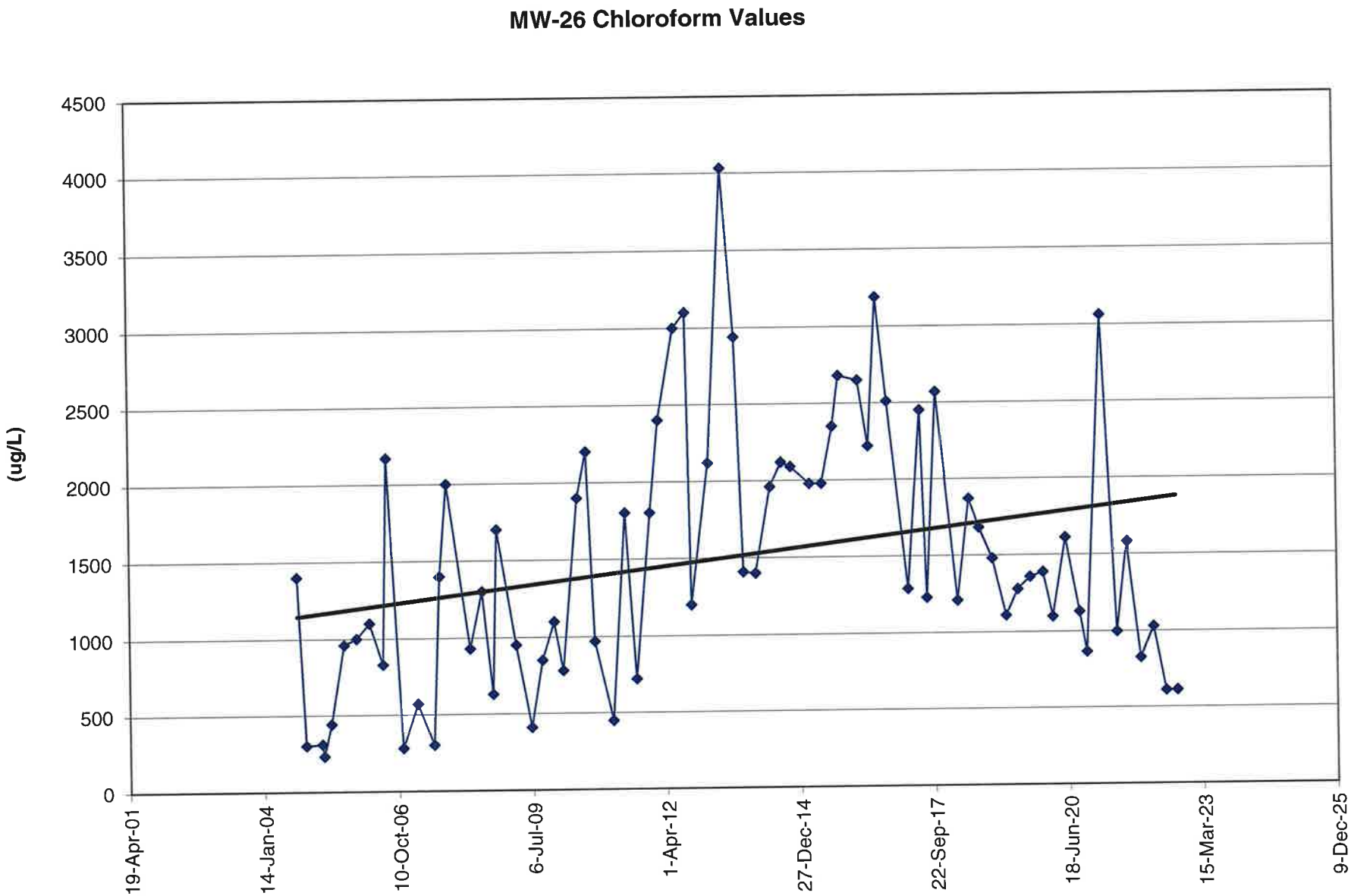
TW4-14	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
10-Oct-17	6.13	ND	ND	ND	4.73	42.5
15-Mar-18	5.80	ND	ND	ND	5.67	51.5
13-Jun-18	5.12	ND	ND	ND	6.36	46.9
30-Aug-18	4.76	ND	ND	ND	5.34	54.1
12-Dec-18	4.41	ND	ND	ND	5.85	48.7
16-Mar-19	4.08	ND	ND	ND	6.16	48.7
13-Jun-19	4.18	ND	ND	ND	5.86	48.3
11-Sep-19	6.08	ND	ND	ND	4.77	45.4
14-Dec-19	3.83	ND	ND	ND	4.76	49.4
17-Mar-20	2.98	ND	ND	ND	6.17	48.4
11-Jun-20	2.87	ND	ND	ND	6.57	47.6
18-Sep-20	2.41	ND	ND	ND	5.57	45.1
4-Nov-20	2.69	ND	ND	ND	5.81	49.7
18-Mar-21	1.77	ND	ND	ND	5.56	48.2
16-Jun-21	ND	ND	ND	ND	7.02	49.5
15-Sep-21	ND	ND	ND	ND	5.56	34.4
8-Dec-21	ND	ND	ND	ND	5.70	49.0
16-Mar-22	ND	ND	ND	ND	5.9	42.0
16-Jun-22	1.0	ND	ND	ND	5.3	48.4
14-Sep-22	1.1	ND	ND	ND	4.78	42.2

TW4-14 Chloroform Values



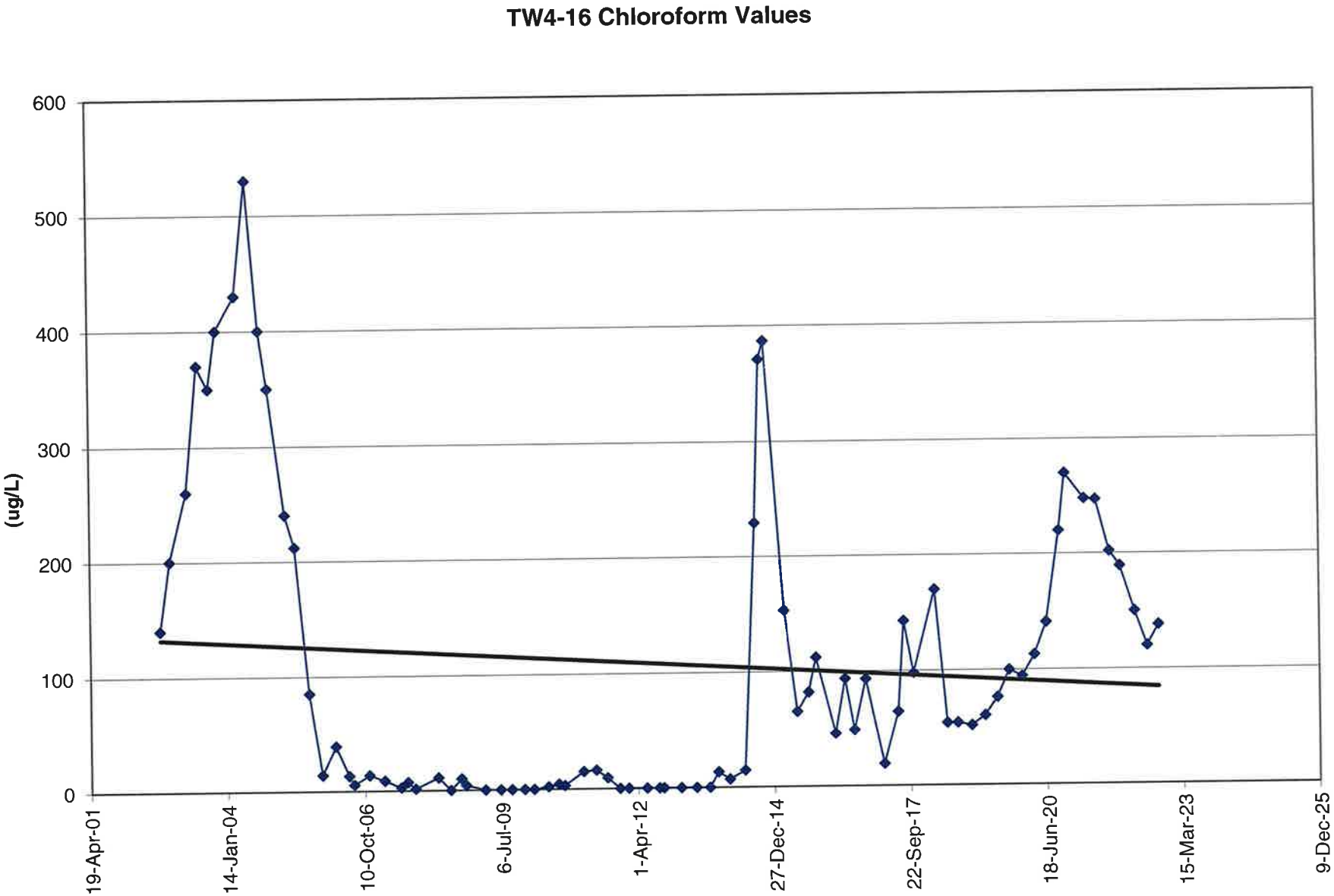
MW-26	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	3				ND	
24-Nov-02	0				ND	
28-Mar-03	0				0.1	
23-Jun-03	7800				14.5	
15-Aug-03	7400				16.8	
12-Sep-03	2500				2.7	
25-Sep-03	2600				2.5	
29-Oct-03	3100				3.1	
8-Nov-03	3000				2.8	
29-Mar-04	NA				NA	
22-Jun-04	NA				NA	
17-Sep-04	1400				0.53	
17-Nov-04	300				0.2	
16-Mar-05	310				0.3	
30-Mar-05	230				0.2	
25-May-05	442	NA	NA	NA	0.2	NA
31-Aug-05	960	<5	5.4	<5	0.2	NA
1-Dec-05	1000	<50	<50	<50	0.3	NA
9-Mar-06	1100	<50	<50	<50	0.2	52
14-Jun-06	830	<50	<50	<50	0.2	52
20-Jul-06	2170	<50	<50	<50	1.4	65
8-Nov-06	282	<1	<1	2.8	0.3	54
28-Feb-07	570	<1	<1	5.5	0.5	56
27-Jun-07	300	<1	<1	13	0.4	49
15-Aug-07	1400	<1	<1	36	1	57
10-Oct-07	2000	<1	<1	14	0.6	57
26-Mar-08	930	<1	<1	40	0.1	49
25-Jun-08	1300	<1	<1	53	0.56	57
10-Sep-08	630	<1	<1	24	0.24	44
15-Oct-08	1700	<1	<1	100	0.65	64
4-Mar-09	950	<1	<1	51	0.4	49
24-Jun-09	410	<1	<1	12	0.2	48
15-Sep-09	850	<1	<1	30	0.1	46
14-Dec-09	1100	<1	<1	40	2.3	60
17-Feb-10	780	<1	<1	19	0.2	57
9-Jun-10	1900	<1	<1	28	1.1	58
16-Aug-10	2200	<1	<1	21	0.6	49
11-Oct-10	970	<1	<1	6.5	0.7	65
23-Feb-11	450	ND	ND	3.6	0.5	57
31-May-11	1800	ND	ND	1.3	0.4	88
17-Aug-11	720	ND	ND	7.2	0.9	58
5-Dec-11	1800	ND	ND	2.9	2	69
7-Feb-12	2400	ND	ND	16	1.7	98

MW-26	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
6-Jun-12	3000	ND	ND	21	2.5	73
4-Sep-12	3100	ND	ND	31	2.6	73
4-Oct-12	1200	ND	ND	4	1.8	68
11-Feb-13	2120	ND	ND	9.34	2.27	81.9
5-Jun-13	4030	ND	ND	52.4	2.11	77.9
3-Sep-13	2940	ND	ND	33.2	1.18	60.5
29-Oct-13	1410	ND	ND	4.03	1.38	72.3
27-Jan-14	1400	ND	ND	13.8	0.549	59.4
19-May-14	1960	ND	ND	15.4	0.928	53.4
11-Aug-14	2120	ND	8.7	26	0.7	59
21-Oct-14	2090	ND	ND	23.2	0.934	60.1
9-Mar-15	1980	ND	ND	27.4	0.732	56.5
8-Jun-15	1980	ND	ND	11.2	0.419	62
31-Aug-15	2350	ND	4.05	11.6	0.684	69.6
19-Oct-15	2680	ND	1.32	8.28	0.991	62.6
9-Mar-16	2650	ND	1.32	4.66	1.45	68.3
23-May-16	2220	ND	ND	4.57	1.12	66.2
25-Jul-16	3190	ND	ND	7.81	1.57	66.4
12-Oct-16	2510	ND	ND	4.31	1.18	66.2
8-Mar-17	1290	ND	ND	7.65	0.768	58.4
13-Jun-17	2450	ND	ND	7.59	0.922	64.3
26-Jul-17	1230	ND	ND	5.26	1.56	61.4
11-Oct-17	2570	ND	ND	7.83	1.18	62.2
12-Mar-18	1210	ND	ND	2.14	1.57	60.3
8-Jun-18	1870	ND	ND	9.19	0.901	58.7
22-Aug-18	1680	ND	ND	ND	2.80	91.4
28-Nov-18	1480	ND	ND	ND	1.96	85.5
8-Mar-19	1110	ND	ND	2.20	1.85	69.9
5-Jun-19	1280	ND	ND	1.19	2.83	80.7
4-Sep-19	1360	ND	ND	1.93	3.08	76.2
10-Dec-19	1390	ND	ND	1.78	0.977	83.2
19-Feb-20	1100	ND	ND	ND	1.17	88.9
27-May-20	1610	ND	ND	3.92	2.93	77.6
4-Sep-20	1130	ND	ND	2.57	0.42	70.0
28-Oct-20	866	ND	ND	ND	3.62	67.4
23-Feb-21	3060	ND	ND	3.46	0.349	59.5
9-Jun-21	998	ND	ND	ND	0.810	48.6
24-Aug-21	1580	ND	ND	ND	0.671	46.6
1-Dec-21	826	ND	5.90	ND	0.518	54.7
9-Mar-22	1030	ND	ND	ND	0.3	50.2
8-Jun-22	611	ND	ND	ND	0.22	63.4
30-Aug-22	612	ND	ND	ND	0.662	57.0


MW-26 Chloroform Values
(ug/L)
4500
4000
3500
3000
2500
2000
1500
1000
500
0
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17
18-Jun-20
15-Mar-23
9-Dec-25

TW4-16	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	140				ND	
24-Nov-02	200				ND	
28-Mar-03	260				ND	
23-Jun-03	370				ND	
12-Sep-03	350				ND	
8-Nov-03	400				ND	
29-Mar-04	430				ND	
22-Jun-04	530				ND	
17-Sep-04	400				ND	
17-Nov-04	350				ND	
16-Mar-05	240				ND	
25-May-05	212	NA	NA	NA	<0.1	NA
31-Aug-05	85	<1	3.2	43	<0.1	NA
1-Dec-05	14	<2.5	2.6	5.9	1.4	NA
9-Mar-06	39	<1	1.1	21	3	60
14-Jun-06	13	<1	2.4	8.9	1.9	55
20-Jul-06	5.2	<1	<1	2.7	2.7	60
8-Nov-06	13.6	<1	<1	9.2	5.6	62
28-Feb-07	8.7	<1	<1	6.5	12.3	79
27-Jun-07	2.6	<1	<1	1.8	9.9	75
15-Aug-07	7.1	<1	<1	5.1	5.4	66
10-Oct-07	1.4	<1	<1	<1	4.4	69
26-Mar-08	11	<1	<1	26	ND	52
25-Jun-08	<1	<1	<1	<1	1.46	58
10-Sep-08	10	<1	<1	14	10.5	71
15-Oct-08	3.9	<1	<1	6.6	9.82	89
4-Mar-09	<1	<1	<1	<1	9.6	78
24-Jun-09	<1	<1	<1	<1	8.9	76
15-Sep-09	<1	<1	<1	<1	8.8	79
17-Dec-09	<1	<1	<1	<1	5.2	76
24-Feb-10	<1	<1	<1	<1	4.2	77
9-Jun-10	2.1	<1	<1	<1	4.7	64
24-Aug-10	4.3	<1	<1	<1	4.6	72
6-Oct-10	3	<1	<1	<1	3.3	72
22-Feb-11	15	ND	ND	ND	7	86
26-May-11	16	ND	ND	ND	5	81
17-Aug-11	9.2	ND	ND	ND	1.7	63
16-Nov-11	ND	ND	ND	1.4	0.4	38
18-Jan-12	ND	ND	ND	1.7	0.1	48
31-May-12	ND	ND	ND	ND	ND	53
30-Aug-12	ND	ND	ND	ND	ND	59
3-Oct-12	ND	ND	ND	3	ND	53
7-Feb-13	ND	ND	ND	3	ND	58.1

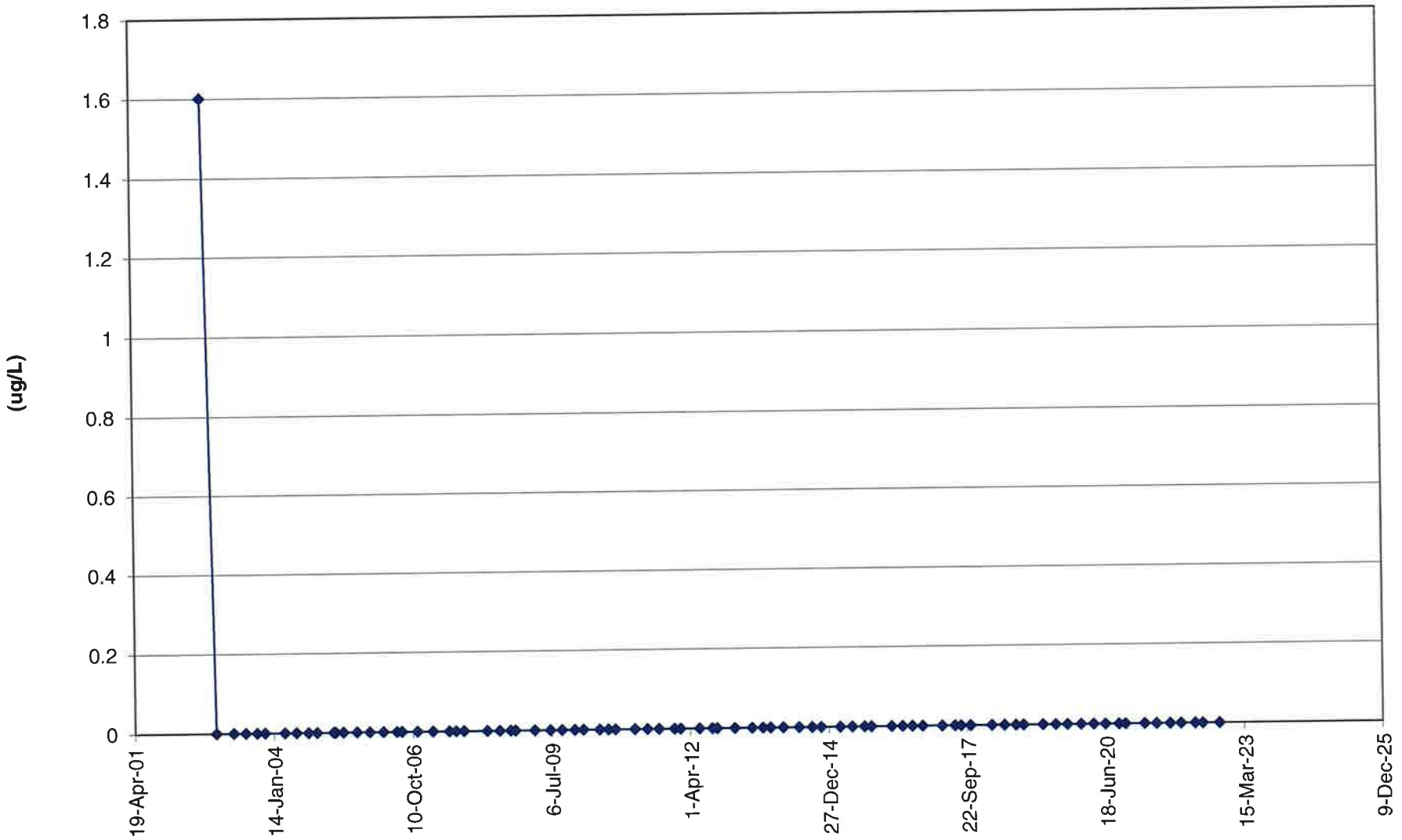
TW4-16	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
30-May-13	ND	ND	ND	4.21	ND	49.8
5-Sep-13	ND	ND	ND	ND	ND	54.4
7-Nov-13	13.4	ND	ND	ND	1.37	56.6
29-Jan-14	6.9	ND	ND	ND	3.16	66.8
22-May-14	14.6	ND	ND	ND	4.94	80.7
14-Aug-14	229	ND	ND	ND	5.1	80
24-Sep-14	371	ND	ND	ND	N/A	N/A
29-Oct-14	387	ND	ND	ND	8.40	92.1
12-Mar-15	153	ND	ND	ND	4.30	65.3
11-Jun-15	65.3	ND	ND	ND	1.06	61
3-Sep-15	82	ND	ND	ND	1.18	65.8
28-Oct-15	112	ND	ND	ND	1.69	58.3
17-Mar-16	45.9	ND	ND	ND	1.63	56.5
26-May-16	93.4	ND	ND	ND	1.89	61.3
3-Aug-16	49	ND	ND	ND	2.20	60
26-Oct-16	92.9	ND	ND	ND	2.78	66.7
8-Mar-17	19.1	ND	ND	ND	2.75	62.2
20-Jun-17	64.3	ND	ND	ND	1.81	60.6
3-Aug-17	143	ND	ND	ND	2.63	67.1
11-Oct-17	97.8	ND	ND	ND	2.12	54.2
20-Mar-18	170	ND	ND	ND	4.55	85.1
14-Jun-18	54.5	ND	ND	ND	2.83	62.5
30-Aug-18	54.5	ND	ND	ND	2.53	73.0
12-Dec-18	52.0	ND	ND	ND	2.88	68.8
19-Mar-19	60.6	ND	ND	ND	3.36	66.3
19-Jun-19	76.2	ND	ND	ND	2.43	71.5
12-Sep-19	99.8	ND	ND	ND	3.55	72.9
18-Dec-19	94.3	ND	ND	ND	3.37	88.6
18-Mar-20	113	ND	ND	ND	3.91	76.2
12-Jun-20	141	ND	ND	ND	4.44	79.7
19-Sep-20	220	ND	ND	ND	4.74	77.4
4-Nov-20	270	ND	ND	ND	5.73	85.9
24-Mar-21	248	ND	ND	ND	5.82	92.6
17-Jun-21	247	ND	ND	ND	6.74	87.4
23-Sep-21	202	ND	ND	ND	5.32	79.8
8-Dec-21	189	ND	ND	ND	4.85	89.9
23-Mar-22	150	ND	ND	ND	5.0	84.3
22-Jun-22	120	ND	ND	ND	4.2	93.2
15-Sep-22	138	ND	ND	ND	4.41	89.8


TW4-16 Chloroform Values
600
500
400
300
200
100
0
(ug/L)
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17
18-Jun-20
15-Mar-23
9-Dec-25

MW-32	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	1.6				ND	
24-Nov-02	ND				ND	
28-Mar-03	ND				ND	
23-Jun-03	ND				ND	
12-Sep-03	ND				ND	
8-Nov-03	ND				ND	
29-Mar-04	ND				ND	
22-Jun-04	ND				ND	
17-Sep-04	ND				ND	
17-Nov-04	ND				ND	
16-Mar-05	ND				ND	
30-Mar-05	ND				ND	
25-May-05	<1	NA	NA	NA	<0.1	NA
31-Aug-05	<1	<1	3.2	<1	<0.1	NA
1-Dec-05	<1	<1	<1	<1	<0.1	NA
9-Mar-06	<1	<1	<1	<1	<0.1	32
14-Jun-06	<1	<1	3.5	<1	<0.1	30
20-Jul-06	<1	<1	1.8	<1	<0.1	32
8-Nov-06	<1	<1	1.5	<1	<0.1	31
28-Feb-07	<1	<1	<1	<1	<0.1	32
27-Jun-07	<1	<1	<1	<1	<0.1	32
15-Aug-07	<1	<1	<1	<1	<0.1	31
10-Oct-07	<1	<1	<1	<1	<0.1	32
26-Mar-08	<1	<1	<1	<1	<0.1	31
25-Jun-08	<1	<1	<1	<1	<0.05	29
10-Sep-08	<1	<1	<1	<1	<0.05	30
15-Oct-08	<1	<1	<1	<1	<0.05	26
4-Mar-09	<1	<1	<1	<1	<0.1	30
24-Jun-09	<1	<1	<1	<1	<0.1	31
15-Sep-09	<1	<1	<1	<1	<0.1	33
16-Dec-09	<1	<1	<1	<1	<0.1	34
17-Feb-10	<1	<1	<1	<1	<0.1	38
14-Jun-10	<1	<1	<1	<1	<0.1	32
16-Aug-10	<1	<1	<1	<1	<0.1	28
6-Oct-10	<1	<1	<1	<1	<0.1	24
23-Feb-11	ND	ND	ND	ND	ND	40
25-May-11	ND	ND	ND	ND	ND	31
16-Aug-11	ND	ND	ND	ND	ND	33
6-Dec-11	ND	ND	ND	ND	ND	32
18-Jan-12	ND	ND	ND	ND	ND	21
4-Jun-12	ND	ND	ND	ND	ND	32
5-Sep-12	ND	ND	ND	ND	ND	33
10-Oct-12	ND	ND	ND	ND	ND	35

MW-32	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
13-Feb-13	ND	ND	ND	ND	ND	34.3
18-Jun-13	ND	ND	ND	ND	ND	34.9
4-Sep-13	ND	ND	ND	ND	ND	33
29-Oct-13	ND	ND	ND	ND	ND	35.7
29-Jan-14	ND	ND	ND	ND	ND	34
23-May-14	ND	ND	ND	ND	ND	39.7
26-Aug-14	ND	ND	ND	ND	ND	34
29-Oct-14	ND	ND	ND	ND	ND	34.9
17-Mar-15	ND	ND	ND	ND	ND	36.3
11-Jun-15	ND	ND	ND	ND	ND	35.8
9-Sep-15	ND	ND	ND	ND	ND	37.7
28-Oct-15	ND	ND	ND	ND	ND	34.7
22-Mar-16	ND	ND	ND	ND	ND	36.7
8-Jun-16	ND	ND	ND	ND	ND	37.2
17-Aug-16	ND	ND	ND	ND	ND	37.5
31-Oct-16	ND	ND	ND	ND	ND	36.9
21-Mar-17	ND	ND	ND	ND	ND	33.7
21-Jun-17	ND	ND	ND	ND	ND	37.2
4-Aug-17	ND	ND	ND	ND	ND	38.1
12-Oct-17	ND	ND	ND	ND	ND	32.6
15-Mar-18	ND	ND	ND	ND	ND	39.4
14-Jun-18	ND	ND	ND	ND	ND	34.4
5-Sep-18	ND	ND	ND	ND	ND	41.2
29-Oct-18	ND	ND	ND	ND	ND	32.9
19-Mar-19	ND	ND	ND	ND	ND	35.3
18-Jun-19	ND	ND	ND	ND	ND	36.5
11-Sep-19	ND	ND	ND	ND	ND	33.7
18-Dec-19	ND	ND	ND	ND	ND	36.3
18-Mar-20	ND	ND	ND	ND	ND	36.0
12-Jun-20	ND	ND	ND	ND	ND	35.6
18-Sep-20	ND	ND	ND	ND	ND	34.7
4-Nov-20	ND	ND	ND	ND	ND	31.3
22-Mar-21	ND	ND	ND	ND	ND	36.8
17-Jun-21	ND	ND	ND	ND	ND	35.8
23-Sep-21	ND	ND	ND	ND	ND	34.3
9-Dec-21	ND	ND	ND	ND	ND	35.8
22-Mar-22	ND	ND	ND	ND	ND	28.6
16-May-22	ND	ND	ND	ND	ND	26.9
15-Sep-22	ND	ND	ND	ND	ND	37.2

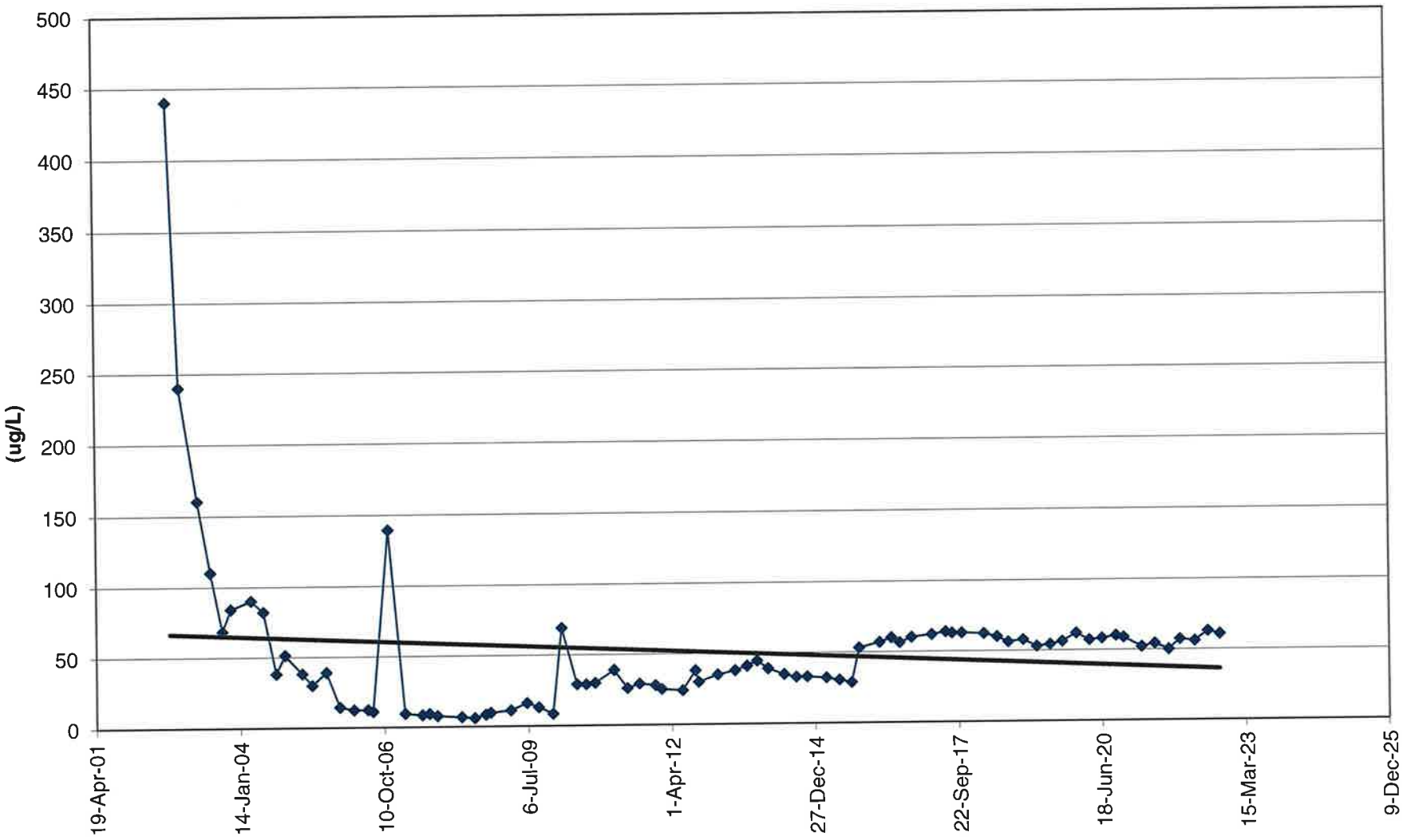
MW-32 Chloroform Values



TW4-18	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	440				1.49	
24-Nov-02	240				13.3	
28-Mar-03	160				13.1	
23-Jun-03	110				19	
12-Sep-03	68.0				19.9	
9-Nov-03	84.0				20.7	
29-Mar-04	90.0				14	
22-Jun-04	82.0				12.2	
17-Sep-04	38.0				14.5	
17-Nov-04	51.0				17.3	
16-Mar-05	38.0				14.1	
25-May-05	29.8	NA	NA	NA	12.9	NA
31-Aug-05	39	<1	2.8	<1	13.3	NA
1-Dec-05	14	<1	1.1	<1	7.3	NA
9-Mar-06	12.0	<1	1.1	<1	5.9	5.9
14-Jun-06	12.0	<1	1.6	<1	4.7	35
20-Jul-06	10.8	<1	2.7	<1	6.1	35
8-Nov-06	139	<1	<1	<1	8.7	34
28-Feb-07	9.2	<1	<1	<1	5.1	30
27-Jun-07	8.0	<1	<1	<1	4.9	28
15-Aug-07	8.9	<1	<1	<1	5	32
10-Oct-07	7.4	<1	<1	<1	4.4	27
26-Mar-08	6.4	<1	<1	<1	0.7	23
25-Jun-08	5.7	<1	<1	<1	4.55	23
10-Sep-08	8.0	<1	<1	<1	4.68	26
15-Oct-08	9.4	<1	<1	<1	5,15	30
4-Mar-09	11.0	<1	<1	<1	5.2	29
24-Jun-09	16.0	<1	<1	<1	6.2	30
15-Sep-09	13.0	<1	<1	<1	5.9	26
22-Dec-09	8.2	<1	<1	<1	5.4	30
24-Feb-10	69.0	<1	<1	<1	5.1	41
9-Jun-10	29.0	<1	<1	<1	9	35
12-Aug-10	29.0	<1	<1	<1	9	37
13-Oct-10	30.0	<1	<1	<1	10	50
22-Feb-11	39.0	ND	ND	ND	10	52
26-May-11	26.0	ND	ND	ND	9	36
17-Aug-11	29.0	ND	ND	ND	4.6	23
7-Dec-11	28.0	ND	ND	ND	6.3	23
19-Jan-12	25.0	ND	ND	ND	4.4	18
13-Jun-12	24.0	ND	ND	ND	6.6	30
11-Sep-12	38.0	ND	ND	ND	6.6	26
3-Oct-12	30.0	ND	ND	ND	6	27
13-Feb-13	34.9	ND	ND	ND	5.58	23.1

TW4-18	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
13-Jun-13	37.9	ND	ND	ND	8.86	22.9
5-Sep-13	41.0	ND	ND	ND	12.1	36.2
13-Nov-13	44.3	ND	ND	ND	14.2	37.1
30-Jan-14	38.9	ND	ND	ND	12.8	40.9
22-May-14	34.8	ND	ND	ND	12.2	47
14-Aug-14	32.8	ND	ND	ND	9.8	49
28-Oct-14	33.0	ND	ND	ND	11.1	40.8
12-Mar-15	32.0	ND	ND	ND	11.7	41.6
11-Jun-15	30.5	ND	ND	ND	9.69	43.5
3-Sep-15	28.7	ND	ND	ND	15.7	47.6
28-Oct-15	52.9	ND	ND	ND	6.24	39.4
17-Mar-16	56.6	ND	ND	ND	5.96	40.7
8-Jun-16	60.0	ND	ND	ND	5.43	43.8
3-Aug-16	56.3	ND	ND	ND	5.79	40.7
26-Oct-16	60.1	ND	ND	ND	5.24	43.9
16-Mar-17	62.0	ND	ND	ND	4.47	39.4
20-Jun-17	63.8	ND	ND	ND	4.5	41.6
3-Aug-17	62.8	ND	ND	ND	4.24	40.4
10-Oct-17	62.9	ND	ND	ND	4.43	37.1
15-Mar-18	62.3	ND	ND	ND	4.32	44.3
13-Jun-18	59.9	ND	ND	ND	4.09	39.5
30-Aug-18	56.2	ND	ND	ND	3.51	45.6
13-Dec-18	57.6	ND	ND	ND	3.60	38.2
19-Mar-19	52.8	ND	ND	ND	3.85	37.6
19-Jun-19	54.2	ND	ND	ND	4.01	39.5
11-Sep-19	56.2	ND	ND	ND	3.25	36.8
18-Dec-19	62.0	ND	ND	ND	3.02	42.7
18-Mar-20	57.0	ND	ND	ND	3.71	39.4
12-Jun-20	58.2	ND	ND	ND	3.62	41.4
18-Sep-20	60.0	ND	ND	ND	3.36	38.7
11-Nov-20	58.6	ND	ND	ND	3.67	39.6
18-Mar-21	52.0	ND	ND	ND	3.61	41.8
16-Jun-21	54.2	ND	ND	ND	4.24	37.7
22-Sep-21	49.9	ND	ND	ND	3.37	29.8
8-Dec-21	57.0	ND	ND	ND	3.90	41.1
23-Mar-22	56.0	ND	ND	ND	3.4	39.1
22-Jun-22	62.9	ND	ND	ND	3.4	48.1
14-Sep-22	60.6	ND	ND	ND	3.46	44.7

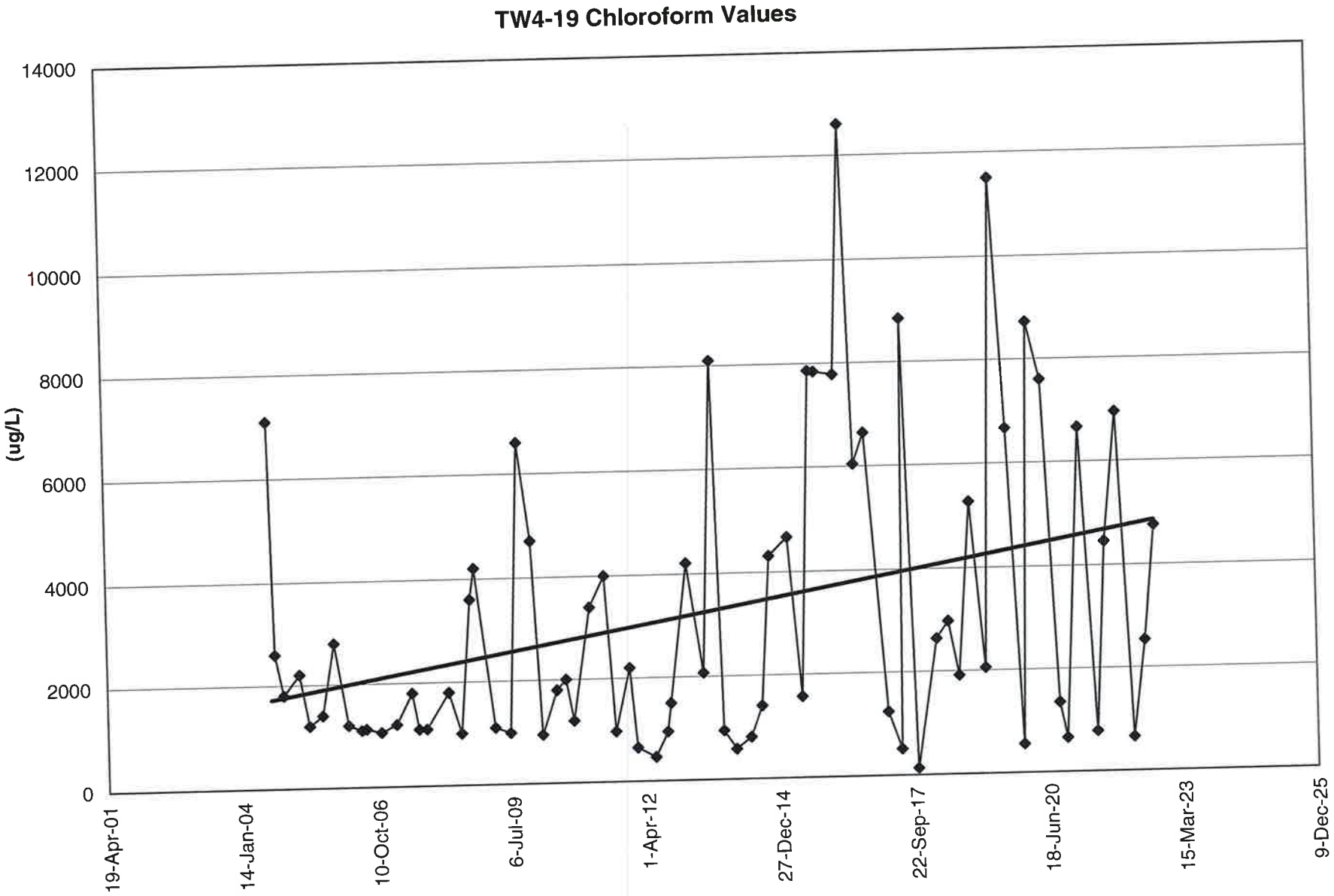
TW4-18 Chloroform Values



TW4-19	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Sep-02	7700				47.6	
24-Nov-02	5400				42	
28-Mar-03	4200				61.4	
15-May-03	4700				NA	
23-Jun-03	4500				11.4	
15-Jul-03	2400				6.8	
15-Aug-03	2600				4	
12-Sep-03	2500				5.7	
25-Sep-03	4600				9.2	
29-Oct-03	4600				7.7	
9-Nov-03	2600				4.8	
29-Mar-04	NA				NA	
22-Jun-04	NA				NA	
16-Aug-04	7100				9.91	
17-Sep-04	2600				4.5	
17-Nov-04	1800				3.6	
16-Mar-05	2200				5.3	
25-May-05	1200				5.7	
31-Aug-05	1400	<5	<5	<5	4.6	NA
1-Dec-05	2800	<50	<50	<50	<0.1	NA
9-Mar-06	1200	<50	<50	<50	4	86
14-Jun-06	1100	<50	<50	<50	5.2	116
20-Jul-06	1120	<50	<50	<50	4.3	123
8-Nov-06	1050	1.6	2.6	<1	4.6	134
28-Feb-07	1200	1.3	<1	<1	4	133
27-Jun-07	1800				2.3	
15-Aug-07	1100	1.9	<1	<1	4.1	129
10-Oct-07	1100	1.9	<1	<1	4	132
26-Mar-08	1800	2.9	<1	<1	2.2	131
25-Jun-08	1000	1	<1	<1	2.81	128
10-Sep-08	3600	8.6	<1	<1	36.2	113
15-Oct-08	4200	12	<1	<1	47.8	124
4-Mar-09	1100	1.2	<1	<1	3.2	127
24-Jun-09	990	1.2	<1	<1	2.4	132
15-Sep-09	6600	15	<1	<1	0.1	43
14-Dec-09	4700	16	<1	<1	26.7	124
17-Feb-10	940	1.3	<1	<1	2	144
9-Jun-10	1800	4.2	<1	<1	4.4	132
16-Aug-10	2000	4.9	<1	<1	5.9	142
11-Oct-10	1200	1.3	<1	<1	2.7	146
17-Feb-11	3400	17	ND	ND	17	135
7-Jun-11	4000	8.3	ND	ND	12	148
17-Aug-11	970	2.1	ND	ND	3	148

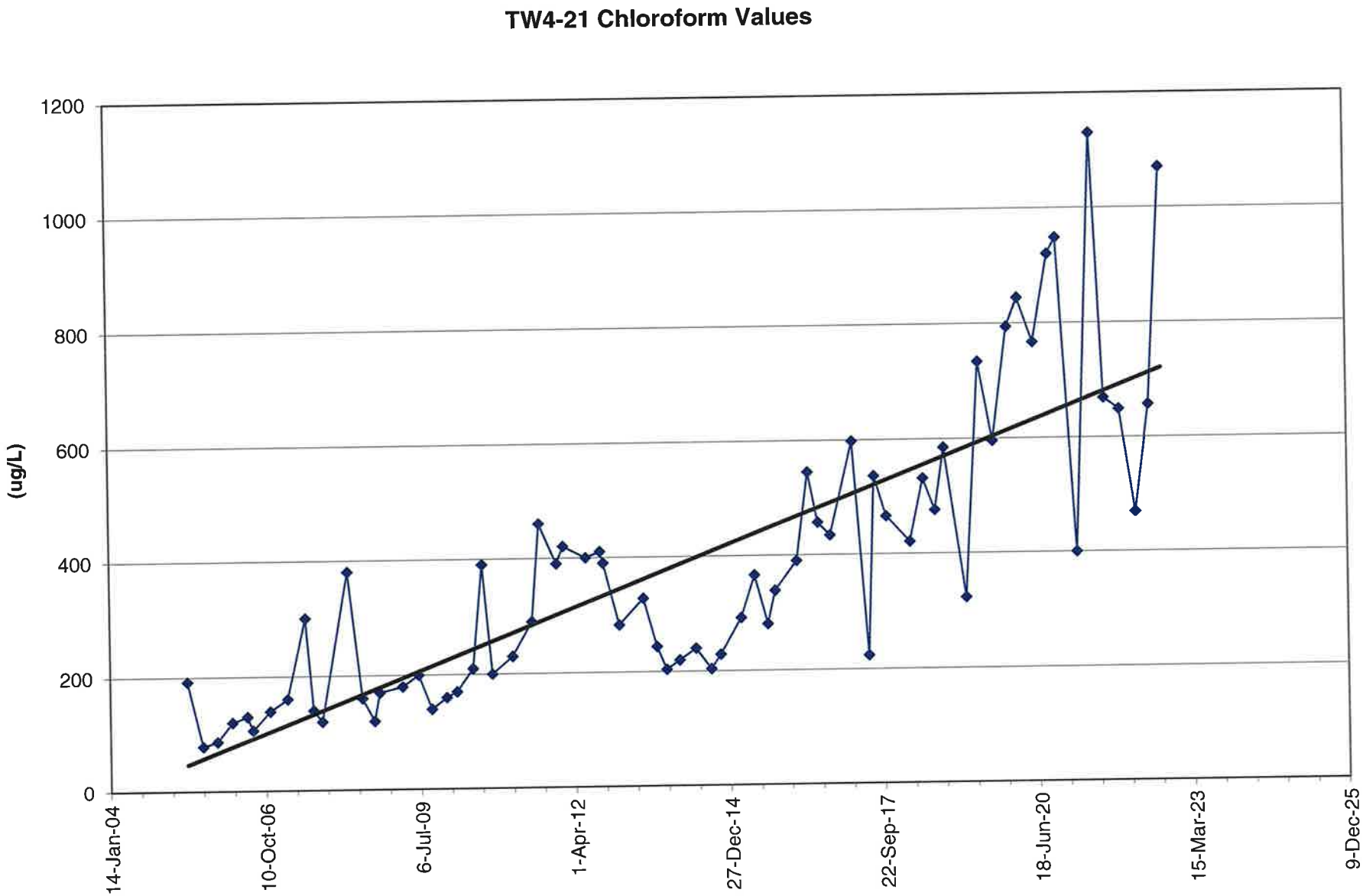
TW4-19	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
5-Dec-11	2200	5.4	ND	ND	5	148
23-Jan-12	650	1.5	ND	ND	0.6	138
6-Jun-12	460	1.1	ND	ND	2.4	149
5-Sep-12	950	3.5	ND	ND	2.5	149
3-Oct-12	1500	4	ND	ND	4.1	150
11-Feb-13	4210	5.15	ND	ND	7.99	164
5-Jun-13	2070	5.15	ND	ND	2.95	148
3-Sep-13	8100	20.7	ND	ND	17.6	179
29-Oct-13	942	6.42	ND	ND	4.7	134
27-Jan-14	586	4.05	ND	ND	1.62	134
19-May-14	810	5.51	ND	ND	1.34	152
11-Aug-14	1410	1.9	8.3	ND	1.6	140
21-Oct-14	4310	4.8	ND	ND	4.72	130
9-Mar-15	4660	8.92	ND	ND	8.56	238
8-Jun-15	1570	2.62	ND	ND	0.916	180
4-Sep-15	7860	7.78	ND	ND	11.6	326
19-Oct-15	7840	12.2	5.46	ND	10.6	252
9-Mar-16	7780	13.5	1.40	ND	15.7	276
23-May-16	12600	23.1	ND	ND	1.27	204
25-Jul-16	6040	9.89	ND	ND	10.5	214
25-Jul-16	6040	9.89	ND	ND	10.5	214
13-Oct-16	6640	10.8	ND	ND	10.0	200
8-Mar-17	1240	3.06	ND	ND	11.1	461
13-Jun-17	510	1.35	ND	ND	0.243	135
26-Jul-17	8840	13.0	ND	ND	1.12	218
11-Oct-17	129	ND	ND	ND	0.377	139
12-Mar-18	2640	1.36	ND	ND	8.61	193
8-Jun-18	2980	3.45	ND	ND	0.494	138
22-Aug-18	1910	2.03	ND	ND	2.55	166
28-Nov-18	5270	6.18	ND	ND	0.233	140
8-Mar-19	2050	2.43	ND	ND	6.58	197
5-Jun-19	11500	15.90	ND	ND	8.96	160
4-Sep-19	6670	10.10	ND	ND	0.332	153
10-Dec-19	551	ND	ND	ND	0.535	147
19-Feb-20	8720	13.7	5.41	ND	10.1	205
27-May-20	7600	10.4	ND	ND	1.14	147
4-Sep-20	1350	1.98	ND	ND	11.6	188
28-Oct-20	660	1.10	ND	ND	1.10	104
23-Feb-21	6660	8.40	ND	ND	6.61	167
9-Jun-21	775	ND	ND	ND	4.04	115
24-Aug-21	4450	7.83	1.98	1.25	6.68	172
1-Dec-21	6950	13.20	ND	ND	11.0	184
9-Mar-22	654	ND	ND	ND	1.7	119

TW4-19	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
8-Jun-22	2540	2.7	4.0	ND	1.4	128
30-Aug-22	4750	2.5	ND	ND	4.76	178


TW4-19 Chloroform Values
(ug/L)
14000
12000
10000
8000
6000
4000
2000
0
19-Apr-01
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17
18-Jun-20
15-Mar-23
9-Dec-25

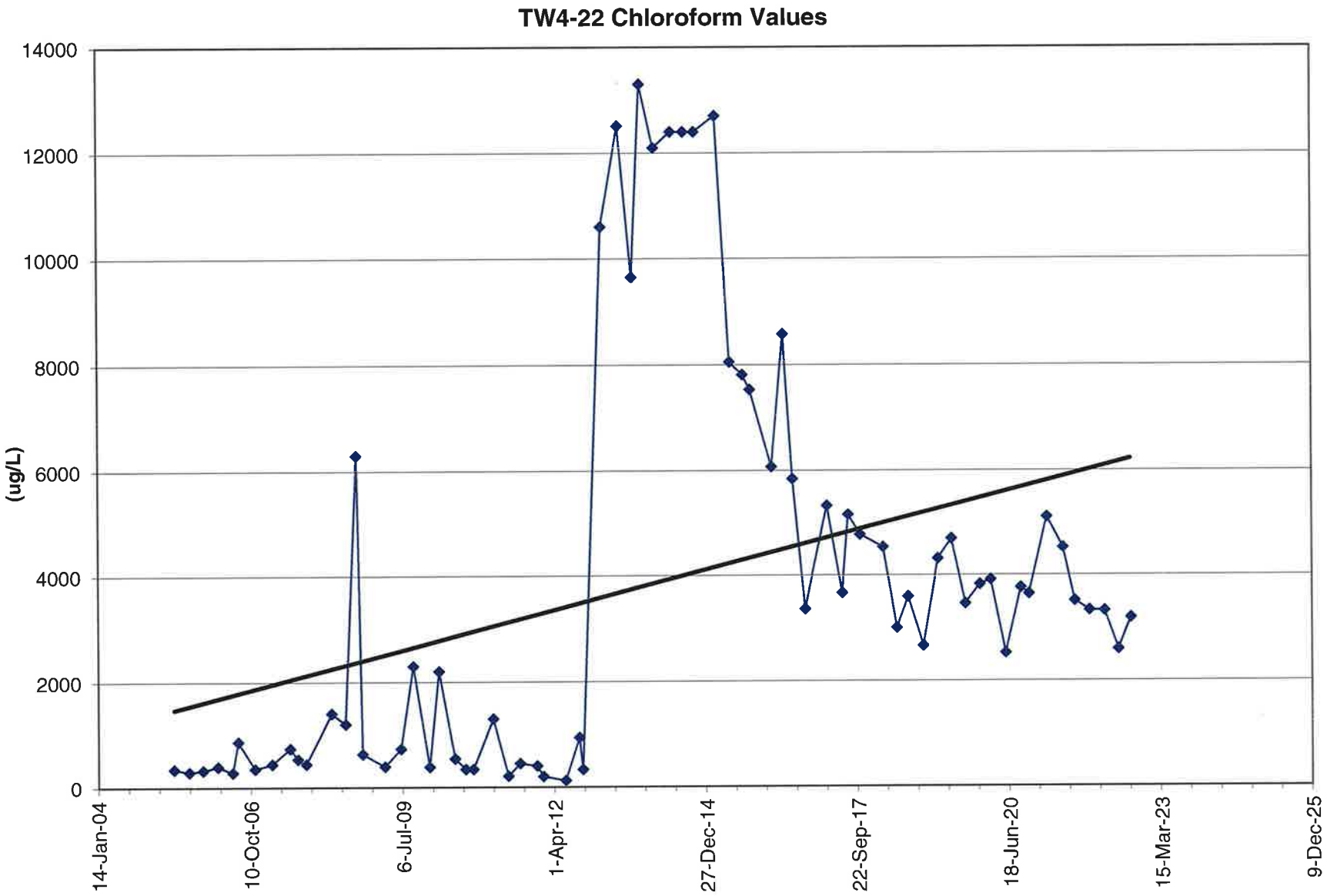
TW4-21	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
25-May-05	192	NA	NA	NA	14.6	NA
31-Aug-05	78	<5	<5	<5	10.1	NA
1-Dec-05	86	<1	1.0	<1	9.6	NA
9-Mar-06	120	<2.5	<2.5	<2.5	8.5	347
14-Jun-06	130	<2.5	<2.5	<2.5	10.2	318
20-Jul-06	106	<2.5	<2.5	<2.5	8.9	357
8-Nov-06	139	2	<1	<1	8.7	296
28-Feb-07	160	1.8	<1	<1	8.7	306
27-Jun-07	300	5.8	<1	<1	8.6	327
15-Aug-07	140	<1	<1	<1	8.6	300
10-Oct-07	120	<1	<1	<1	8.3	288
26-Mar-08	380	7	<1	<1	14.3	331
25-Jun-08	160	1.7	<1	<1	8.81	271
10-Sep-08	120	1.6	<1	<1	7.57	244
15-Oct-08	170	2	<1	<2	8.00	284
11-Mar-09	180	<1	<1	<1	8.3	279
24-Jun-09	200	<1	<1	<1	8.1	291
15-Sep-09	140	<1	<1	<1	9.2	281
22-Dec-09	160	<1	<1	<1	8.4	256
25-Feb-10	170	<1	<1	<1	8.4	228
10-Jun-10	210	1.2	<1	<1	12	266
12-Aug-10	390	9.2	<1	<1	14	278
13-Oct-10	200	1.2	<1	<1	7	210
22-Feb-11	230	1.2	ND	ND	9	303
28-Jun-11	290	4.8	ND	ND	12	290
17-Aug-11	460	6.3	ND	ND	14	287
7-Dec-11	390	6.7	ND	ND	13	276
19-Jan-12	420	6.4	ND	ND	15	228
13-Jun-12	400	5.4	ND	ND	11	285
13-Sep-12	410	6	ND	ND	13	142
4-Oct-12	390	7	ND	ND	14	270
13-Jan-13	282	5.25	ND	ND	11.8	221
18-Jun-13	328	3.49	ND	ND	13.8	243
12-Sep-13	244	2.13	ND	ND	10.3	207
13-Nov-13	204	ND	ND	ND	9	206
5-Feb-14	220	6.23	ND	ND	11.4	200
22-May-14	240	4.73	ND	ND	11.5	243
27-Aug-14	204	ND	ND	ND	7.1	230
29-Oct-14	229	1.04	ND	ND	10	252
12-Mar-15	292	1.75	ND	ND	10.9	255
8-Jun-15	366	1.92	ND	ND	13.1	494
31-Aug-15	281	ND	ND	ND	14.7	499
19-Oct-15	339	ND	ND	ND	14.3	413

TW4-21	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
9-Mar-16	390	ND	ND	ND	14.6	452
23-May-16	545	ND	ND	ND	13.1	425
25-Jul-16	456	ND	ND	ND	16.5	457
12-Oct-16	434	ND	ND	ND	11.4	301
12-Oct-16	434	ND	ND	ND	11.4	301
8-Mar-17	598	2.36	ND	ND	12.0	290
13-Jun-17	224	1.16	ND	ND	9.53	309
26-Jul-17	537	1.05	ND	ND	18.2	447
11-Oct-17	466	ND	ND	ND	16.9	378
12-Mar-18	421	ND	ND	ND	15.8	447
8-Jun-18	532	ND	ND	ND	14.1	387
22-Aug-18	476	ND	ND	ND	0.236	182
22-Oct-18	585	ND	ND	ND	15.2	392
8-Mar-19	323	ND	ND	ND	8.99	180
5-Jun-19	734	ND	ND	ND	17.5	456
4-Sep-19	596	ND	ND	ND	14.7	478
10-Dec-19	794	ND	ND	ND	5.73	339
19-Feb-20	844	ND	2.58	ND	8.93	446
27-May-20	767	ND	ND	ND	15.4	353
4-Sep-20	920	ND	ND	ND	12.6	382
28-Oct-20	948	ND	ND	ND	16.3	411
23-Feb-21	400	ND	ND	ND	15.2	454
9-Jun-21	1130	ND	ND	ND	21.5	461
24-Aug-21	669	ND	ND	ND	12.9	375
1-Dec-21	649	ND	ND	ND	17.2	227
9-Mar-22	469	ND	ND	ND	2.2	110
8-Jun-22	657	ND	ND	ND	8.9	331
30-Aug-22	1070	ND	ND	ND	14.3	425


TW4-21 Chloroform Values
(ug/L)
1200
1000
800
600
400
200
0
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17
18-Jun-20
15-Mar-23
9-Dec-25

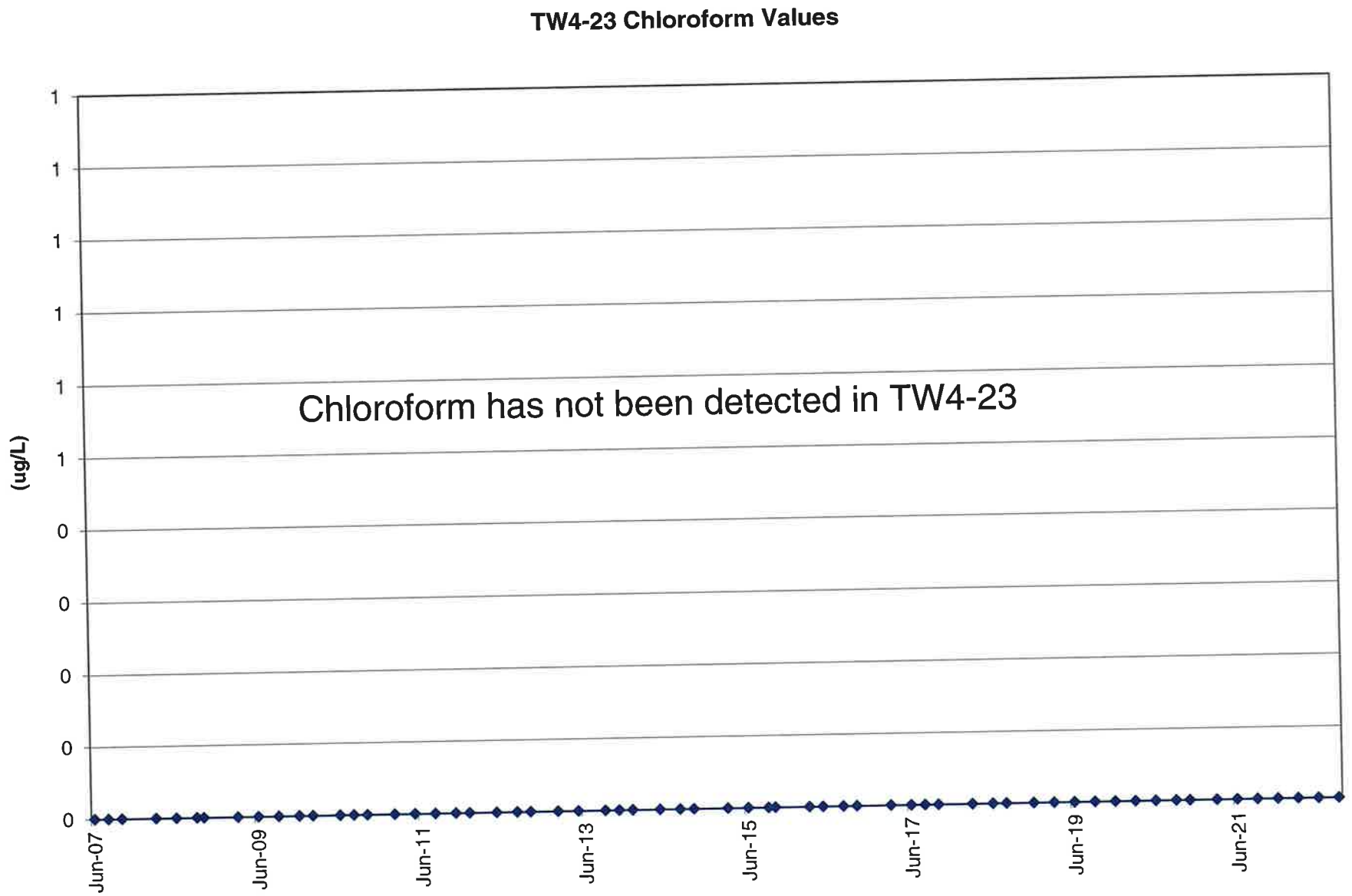
TW4-22	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
25-May-05	340	NA	NA	NA	18.2	NA
31-Aug-05	290	<5	<5	<5	15.7	NA
1-Dec-05	320	<5	<5	<5	15.1	NA
9-Mar-06	390	<10	<10	<10	15.3	236
14-Jun-06	280	<10	<10	<10	14.3	221
20-Jul-06	864	<10	<10	<10	14.5	221
8-Nov-06	350	<1	1.6	<1	15.9	236
28-Feb-07	440	<1	<1	<1	20.9	347
27-Jun-07	740	<1	<1	<1	19.3	273
15-Aug-07	530	<1	<1	<1	19.3	259
10-Oct-07	440	<1	<1	<1	18.8	238
26-Mar-08	1400	<1	<1	<1	39.1	519
25-Jun-08	1200	<1	<1	<1	41.9	271
10-Sep-08	6300	1.3	<1	<1	38.7	524
15-Oct-08	630	<2	<2	<2	36.3	539
11-Mar-09	390	<1	<1	<1	20.7	177
24-Jun-09	730	<1	<1	<1	20.6	177
15-Sep-09	2300	<1	<1	<1	40.3	391
29-Dec-09	380	<1	<1	<1	17.8	175
3-Mar-10	2200	<1	<1	<1	36.6	427
15-Jun-10	540	<1	<1	<1	19	134
24-Aug-10	340	<1	<1	<1	15	130
13-Oct-10	340	<1	<1	<1	16	134
23-Feb-11	1300	ND	ND	ND	18	114
1-Jun-11	210	ND	ND	ND	17	138
17-Aug-11	450	ND	ND	ND	15	120
7-Dec-11	400	ND	ND	ND	19	174
19-Jan-12	200	ND	ND	ND	14	36
13-Jun-12	120	ND	ND	ND	12.8	35
12-Sep-12	940	ND	ND	ND	7	121
4-Oct-12	330	ND	ND	ND	14	130
11-Feb-13	10600	3.24	ND	ND	58	635
5-Jun-13	12500	3.35	ND	ND	50.2	586
3-Sep-13	9640	3.25	ND	ND	29.7	487
29-Oct-13	13300	8.09	ND	ND	45.2	501
27-Jan-14	12100	6.06	ND	2.83	54.6	598
19-May-14	12400	6.65	ND	ND	47.2	614
11-Aug-14	12400	1.9	40	ND	41.5	540
21-Oct-14	12400	3.32	1.61	ND	54.9	596
9-Mar-15	12700	3.77	4.31	ND	69.2	675
8-Jun-15	8050	2.42	3.42	ND	47.1	390
31-Aug-15	7810	ND	5.47	ND	64.7	557
19-Oct-15	7530	ND	5.1	ND	56.1	567

TW4-22	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
9-Mar-16	6070	ND	ND	ND	31.1	583
23-May-16	8570	2.64	ND	ND	58.4	598
25-Jul-16	5840	ND	ND	ND	61.3	619
12-Oct-16	3370	1.08	ND	ND	61.5	588
8-Mar-17	5320	1.56	ND	ND	69.8	566
13-Jun-17	3670	1.21	ND	ND	70.8	572
26-Jul-17	5150	ND	ND	ND	66.1	391
11-Oct-17	4770	ND	ND	ND	80.1	600
12-Mar-18	4530	ND	ND	ND	62.3	607
8-Jun-18	3010	ND	ND	ND	72.5	580
22-Aug-18	3600	ND	ND	ND	55.4	613
28-Nov-18	2680	ND	ND	ND	75.7	567
8-Mar-19	4310	1.02	ND	ND	71.9	528
5-Jun-19	4690	ND	1.13	ND	83.9	662
4-Sep-19	3460	ND	ND	ND	72.5	588
10-Dec-19	3820	ND	ND	ND	59.9	608
19-Feb-20	3910	ND	ND	ND	57.7	606
27-May-20	2530	ND	ND	ND	60.5	578
4-Sep-20	3760	ND	ND	ND	64.8	514
28-Oct-20	3640	ND	6.83	ND	64.9	523
23-Feb-21	5100	ND	ND	ND	69.6	618
9-Jun-21	4520	ND	ND	ND	89.3	408
24-Aug-21	3510	ND	ND	ND	35.1	410
1-Dec-21	3330	ND	ND	ND	68.8	586
9-Mar-22	3320	ND	ND	ND	40.4	442
8-Jun-22	2600	ND	4.4	ND	45	564
30-Aug-22	3190	ND	ND	ND	69.9	637


TW4-22 Chloroform Values
(ug/L)
14000
12000
10000
8000
6000
4000
2000
0
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17
18-Jun-20
15-Mar-23
9-Dec-25

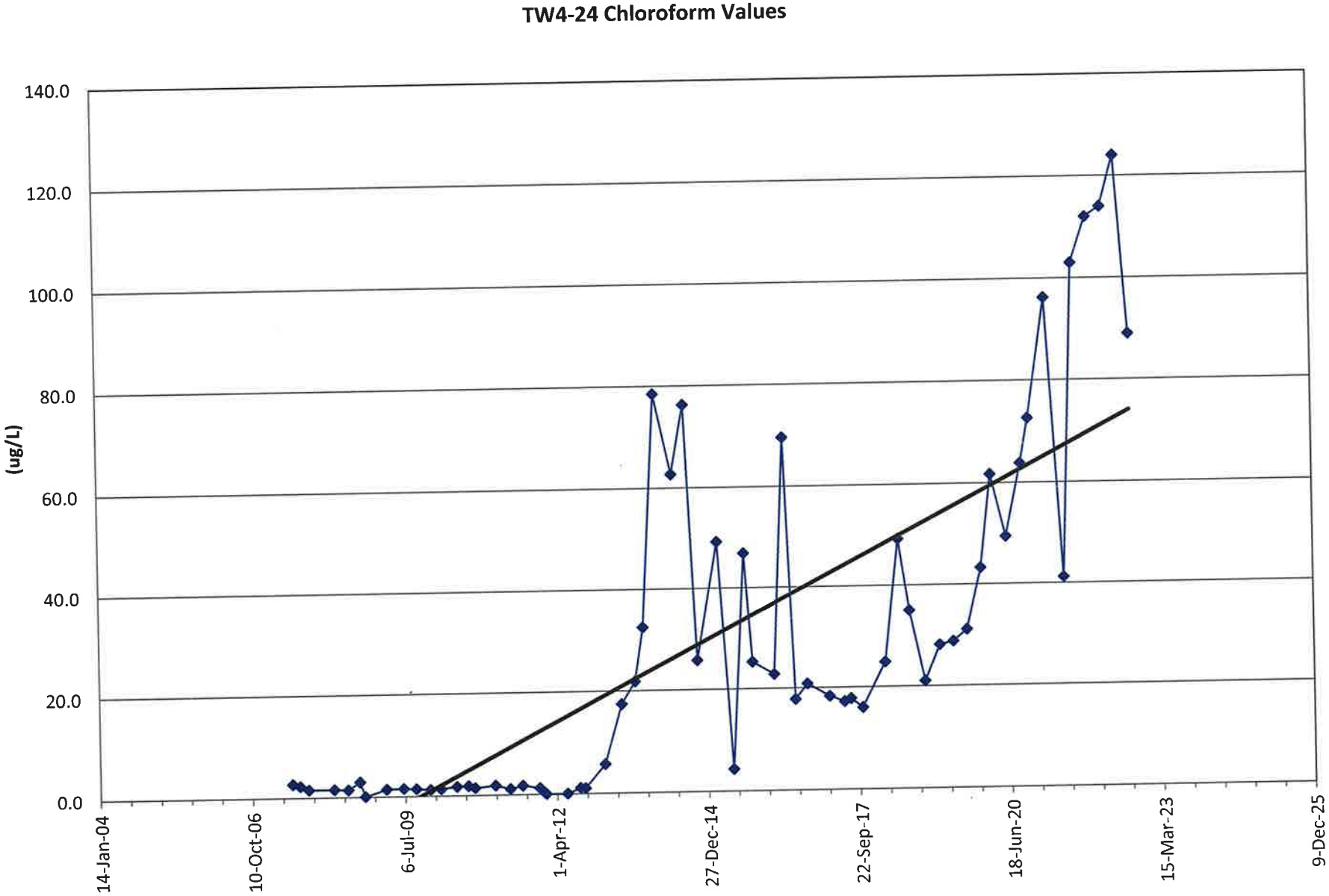
TW4-23	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
27-Jun-07	<1	<1	<1	<1	<0.1	47
15-Aug-07	<1	<1	<1	<1	<0.1	46
10-Oct-07	<1	<1	<1	<1	<0.1	43
26-Mar-08	<1	<1	<1	<1	<0.1	41
25-Jun-08	<1	<1	<1	<1	<0.05	41
10-Sep-08	<1	<1	<1	<1	<0.05	35
15-Oct-08	<2	<2	<2	<2	<0.05	51
4-Mar-09	<1	<1	<1	<1	<0.1	41
24-Jun-09	<1	<1	<1	<1	<0.1	43
15-Sep-09	<1	<1	<1	<1	<0.1	43
16-Dec-09	<1	<1	<1	<1	<0.1	37
24-Feb-10	<1	<1	<1	<1	<0.1	45
8-Jun-10	<1	<1	<1	<1	<0.1	40
10-Aug-10	<1	<1	<1	<1	<0.1	40
5-Oct-10	<1	<1	<1	<1	<0.1	34
16-Feb-11	ND	ND	ND	ND	ND	44
25-May-11	ND	ND	ND	ND	ND	44
16-Aug-11	ND	ND	ND	ND	ND	41
15-Nov-11	ND	ND	ND	ND	ND	43
17-Jan-12	ND	ND	ND	ND	ND	40
31-May-12	ND	ND	ND	ND	ND	44
29-Aug-12	ND	ND	ND	ND	ND	46
3-Oct-12	ND	ND	ND	ND	ND	45
7-Feb-13	ND	ND	ND	ND	ND	43.6
30-May-13	ND	ND	ND	ND	0.116	44.7
5-Sep-13	ND	ND	ND	ND	ND	48.0
7-Nov-13	ND	ND	ND	ND	ND	43.0
23-Jan-14	ND	ND	ND	ND	ND	44.6
21-May-14	ND	ND	ND	ND	ND	42.3
13-Aug-14	ND	ND	ND	ND	ND	46.0
28-Oct-14	ND	ND	ND	ND	ND	46.8
12-Mar-15	ND	ND	ND	ND	ND	47.3
10-Jun-15	ND	ND	ND	ND	ND	48.4
3-Sep-15	ND	ND	ND	ND	ND	54.1
28-Oct-15	ND	ND	ND	ND	ND	46.4
16-Mar-16	ND	ND	ND	ND	ND	49.1
26-May-16	ND	ND	ND	ND	ND	50.4
3-Aug-16	ND	ND	ND	ND	ND	49.6
20-Oct-16	ND	ND	ND	ND	ND	52.1
15-Mar-17	ND	ND	ND	ND	ND	47.7
15-Jun-17	ND	ND	ND	ND	ND	51.5
2-Aug-17	ND	ND	ND	ND	ND	51.8
10-Oct-17	ND	ND	ND	ND	ND	44.7

TW4-23	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
14-Mar-18	ND	ND	ND	ND	ND	53.8
13-Jun-18	ND	ND	ND	ND	ND	47.6
30-Aug-18	ND	ND	ND	ND	ND	56.0
12-Dec-18	ND	ND	ND	ND	ND	54.9
16-Mar-19	ND	ND	ND	ND	ND	48.9
13-Jun-19	ND	ND	ND	ND	ND	50.2
11-Sep-19	ND	ND	ND	ND	ND	47.9
14-Dec-19	ND	ND	ND	ND	ND	54.4
17-Mar-20	ND	ND	ND	ND	ND	50.0
11-Jun-20	ND	ND	ND	ND	ND	49.0
17-Sep-20	ND	ND	ND	ND	ND	48.8
4-Nov-20	ND	ND	ND	ND	ND	49.3
17-Mar-21	ND	ND	ND	ND	ND	51.6
16-Jun-21	ND	ND	ND	ND	ND	48.8
15-Sep-21	ND	ND	ND	ND	ND	42.8
8-Dec-21	ND	ND	ND	ND	ND	51.2
22-Mar-22	ND	ND	ND	ND	ND	43.8
16-Jun-22	ND	ND	ND	ND	0.10	49.2
14-Sep-22	ND	ND	ND	ND	ND	45.0


TW4-23 Chloroform Values
(ug/L)
1
1
1
1
1
1
0
0
0
0
Chloroform has not been detected in TW4-23
Jun-07
Jun-09
Jun-11
Jun-13
Jun-15
Jun-17
Jun-19
Jun-21

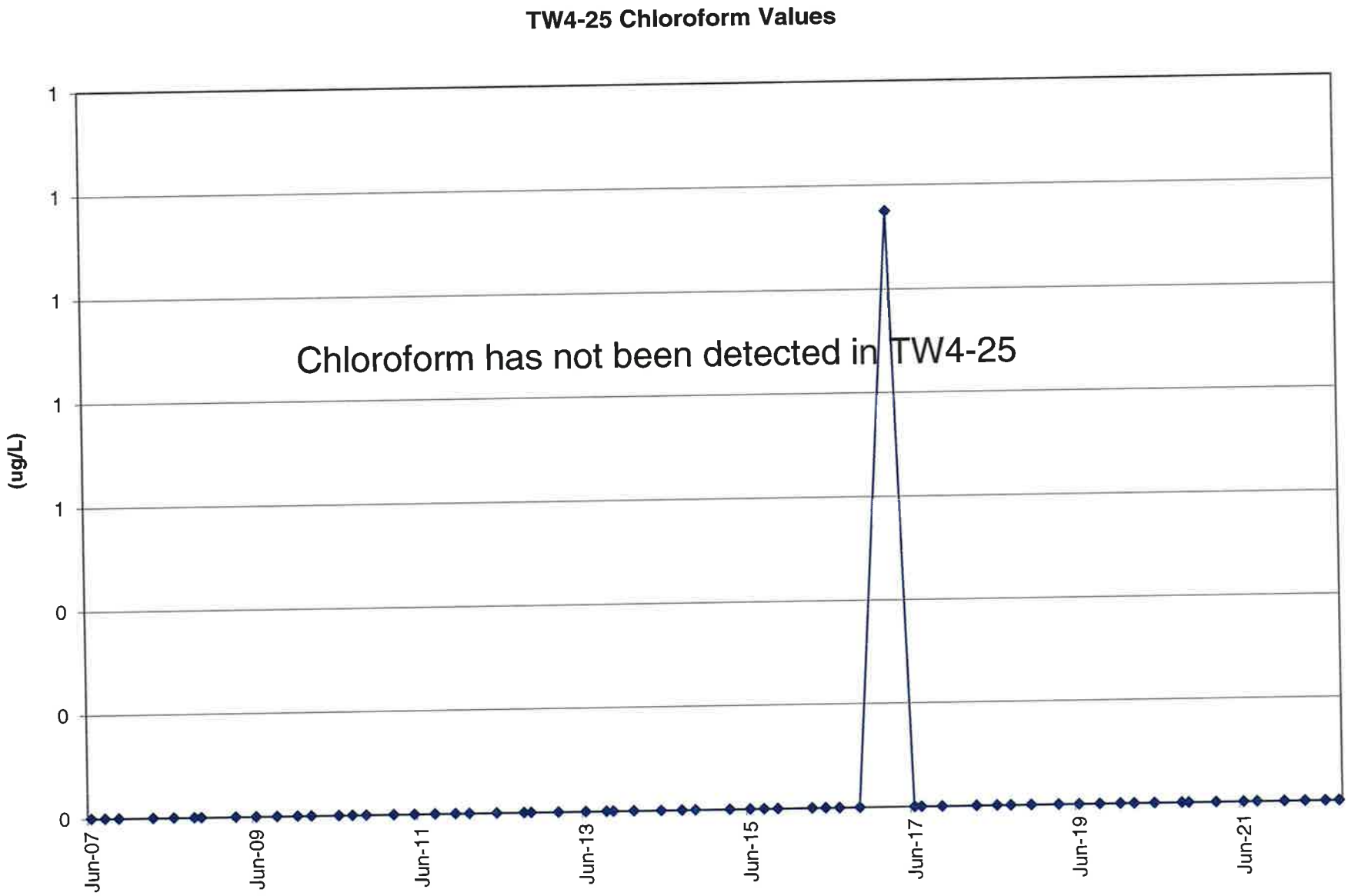
TW4-24	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
27-Jun-07	2.6	<1	<1	<1	26.1	770
15-Aug-07	2.2	<1	<1	<1	29	791
10-Oct-07	1.5	<1	<1	<1	24.7	692
26-Mar-08	1.5	<1	<1	<1	24.4	740
25-Jun-08	1.4	<1	<1	<1	45.3	834
10-Sep-08	2.9	<1	<1	<1	38.4	1180
15-Oct-08	<2	<2	<2	<2	44.6	1130
4-Mar-09	1.4	<1	<1	<1	30.5	1010
24-Jun-09	1.5	<1	<1	<1	30.4	759
15-Sep-09	1.4	<1	<1	<1	30.7	618
17-Dec-09	1.2	<1	<1	<1	28.3	1080
25-Feb-10	1.3	<1	<1	<1	33.1	896
9-Jun-10	1.7	<1	<1	<1	30	639
24-Aug-10	1.8	<1	<1	<1	31	587
6-Oct-10	1.4	<1	<1	<1	31	522
17-Feb-11	1.8	ND	ND	ND	31	1100
26-May-11	1.1	ND	ND	ND	35	1110
17-Aug-11	1.7	ND	ND	ND	34	967
7-Dec-11	1.2	ND	ND	ND	35	608
18-Jan-12	ND	ND	ND	ND	37	373
6-Jun-12	ND	ND	ND	ND	37	355
30-Aug-12	1.1	ND	ND	ND	37	489
3-Oct-12	1.0	ND	ND	ND	38	405
11-Feb-13	5.7	ND	ND	ND	35.9	1260
5-Jun-13	17.4	ND	ND	ND	23.7	916
3-Sep-13	21.8	ND	ND	ND	32.6	998
29-Oct-13	32.5	ND	ND	ND	34.6	1030
27-Jan-14	78.5	ND	ND	1.18	31.6	809
19-May-14	62.7	ND	ND	ND	35	1020
11-Aug-14	76.3	ND	ND	ND	31.5	1150
21-Oct-14	25.8	ND	ND	ND	35.7	1050
9-Mar-15	49.2	ND	ND	ND	34.6	944
8-Jun-15	4.3	ND	ND	ND	31.8	1290
31-Aug-15	46.9	ND	ND	ND	25.3	788
19-Oct-15	25.3	ND	ND	ND	29.6	909
9-Mar-16	22.8	ND	ND	ND	29.1	989
23-May-16	69.6	ND	ND	ND	24.2	771
25-Jul-16	17.8	ND	ND	ND	34.4	1180
12-Oct-16	20.8	ND	ND	ND	31.9	1010
8-Mar-17	18.3	ND	ND	ND	41.3	1090
13-Jun-17	17.2	ND	ND	ND	39.9	1080
26-Jul-17	17.8	ND	ND	ND	40.0	1230
11-Oct-17	16.0	ND	ND	ND	31.7	895

TW4-24	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Mar-18	24.9	ND	ND	ND	44.9	1320
14-Jun-18	49.2	ND	ND	ND	33.6	792
22-Aug-18	35.0	ND	ND	ND	33.8	996
28-Nov-18	21.0	ND	ND	ND	38.4	1100
8-Mar-19	28.1	ND	ND	ND	39.3	1040
5-Jun-19	28.8	ND	ND	ND	33.2	1020
4-Sep-19	31.1	ND	ND	ND	36.4	1130
10-Dec-19	43.3	ND	ND	ND	33.8	1090
19-Feb-20	61.7	ND	ND	ND	37.1	1010
27-May-20	49.4	ND	ND	ND	41.7	1060
4-Sep-20	63.8	ND	ND	ND	39.1	1100
28-Oct-20	72.6	ND	ND	ND	35.9	1050
23-Feb-21	96.2	ND	3.6	ND	41.9	1170
9-Jun-21	41.2	ND	ND	ND	48.0	938
24-Aug-21	103	ND	ND	ND	26.7	1010
1-Dec-21	112	ND	ND	ND	43.6	1140
9-Mar-22	114	ND	ND	ND	36.2	890
8-Jun-22	124	ND	ND	ND	35	944
30-Aug-22	88.9	ND	ND	ND	32.0	868


TW4-24 Chloroform Values
140.0
120.0
100.0
80.0
60.0
40.0
20.0
0.0
(ug/L)
14-Jan-04
10-Oct-06
6-Jul-09
1-Apr-12
27-Dec-14
22-Sep-17
18-Jun-20
15-Mar-23
9-Dec-25

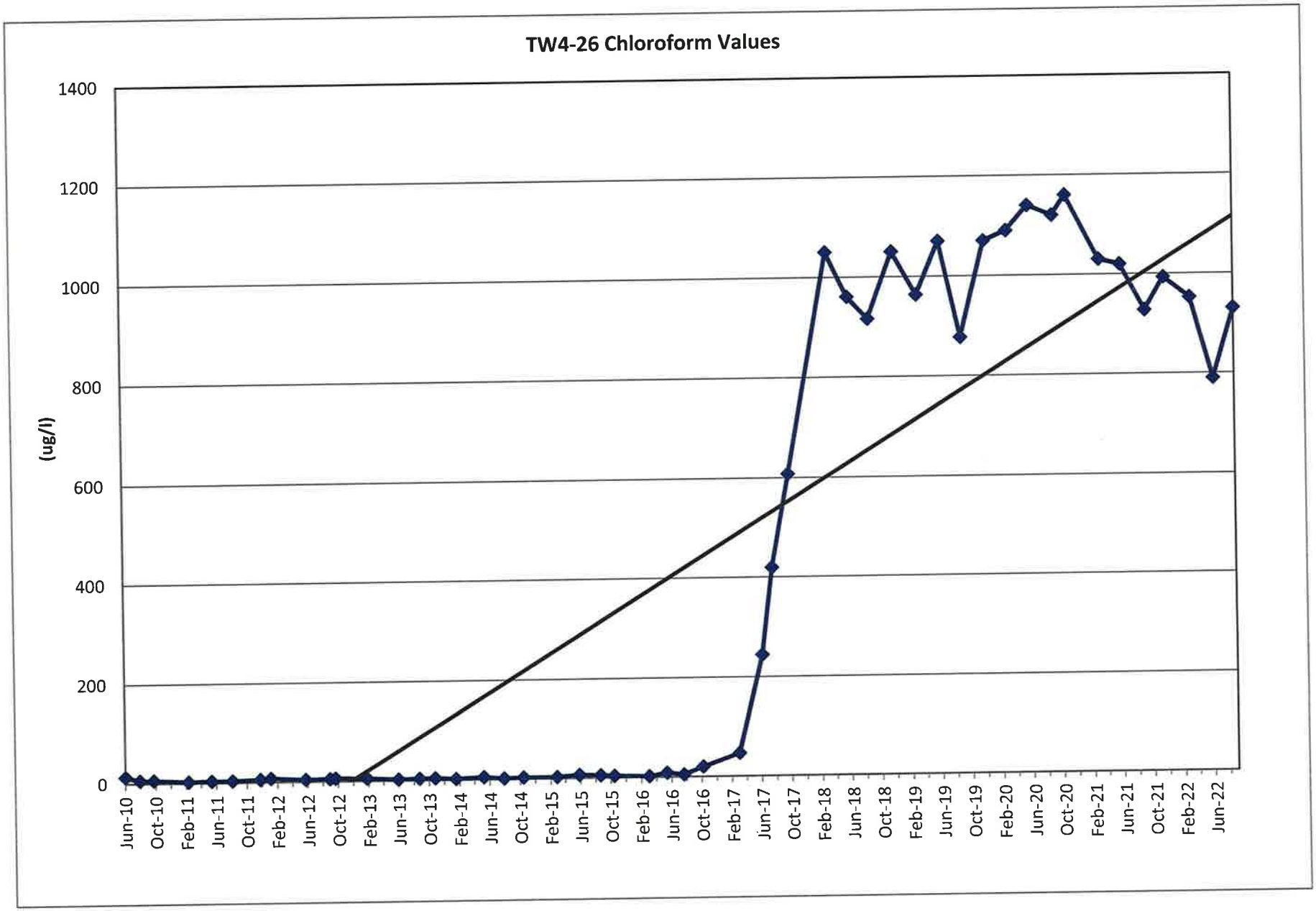
TW4-25	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
27-Jun-07	<1	<1	<1	<1	17.1	395
15-Aug-07	<1	<1	<1	<1	16.7	382
10-Oct-07	<1	<1	<1	<1	17	356
26-Mar-08	<1	<1	<1	<1	18.7	374
25-Jun-08	<1	<1	<1	<1	22.1	344
10-Sep-08	<1	<1	<1	<1	18.8	333
15-Oct-08	<2	<2	<2	<2	21.3	366
4-Mar-09	<1	<1	<1	<1	15.3	332
24-Jun-09	<1	<1	<1	<1	15.3	328
15-Sep-09	<1	<1	<1	<1	3.3	328
16-Dec-09	<1	<1	<1	<1	14.2	371
23-Feb-10	<1	<1	<1	<1	14.4	296
8-Jun-10	<1	<1	<1	<1	16	306
10-Aug-10	<1	<1	<1	<1	14	250
5-Oct-10	<1	<1	<1	<1	15	312
16-Feb-11	ND	ND	ND	ND	15	315
25-May-11	ND	ND	ND	ND	16	321
16-Aug-11	ND	ND	ND	ND	16	276
15-Nov-11	ND	ND	ND	ND	16	294
18-Jan-12	ND	ND	ND	ND	16	304
31-May-12	ND	ND	ND	ND	16	287
11-Sep-12	ND	ND	ND	ND	17	334
3-Oct-12	ND	ND	ND	ND	17	338
11-Feb-13	ND	ND	ND	ND	9.04	190
5-Jun-13	ND	ND	ND	ND	5.24	136
3-Sep-13	ND	ND	ND	ND	5.69	119
29-Oct-13	ND	ND	ND	ND	6.1	88.6
27-Jan-14	ND	ND	ND	ND	2.16	85.7
19-May-14	ND	ND	ND	ND	1.21	51.1
11-Aug-14	ND	ND	ND	ND	1.6	67
21-Oct-14	ND	ND	ND	ND	1.03	58.1
9-Mar-15	ND	ND	ND	ND	14.4	310
8-Jun-15	ND	ND	ND	ND	1.14	58.3
31-Aug-15	ND	ND	ND	ND	1.63	69.2
21-Oct-15	ND	ND	ND	ND	1.78	93.7
9-Mar-16	ND	ND	ND	ND	0.837	62.7
23-May-16	ND	ND	ND	ND	0.959	75.5
25-Jul-16	ND	ND	ND	ND	1.78	74.1
12-Oct-16	ND	ND	ND	ND	1.24	59.8
8-Mar-17	1.15	ND	ND	ND	17	285
13-Jun-17	ND	ND	ND	ND	0.976	69.8
26-Jul-17	ND	ND	ND	ND	1.23	70.1
11-Oct-17	ND	ND	ND	ND	1.29	68.0

TW4-25	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
12-Mar-18	ND	ND	ND	ND	2.23	70.5
14-Jun-18	ND	ND	ND	ND	1.14	60.3
22-Aug-18	ND	ND	ND	ND	0.810	69.1
28-Nov-18	ND	ND	ND	ND	0.634	59.7
8-Mar-19	ND	ND	ND	ND	0.639	65.0
5-Jun-19	ND	ND	ND	ND	0.821	59.0
4-Sep-19	ND	ND	ND	ND	0.548	58.1
10-Dec-19	ND	ND	ND	ND	0.841	73.1
19-Feb-20	ND	ND	ND	ND	0.607	86.0
27-May-20	ND	ND	ND	ND	0.851	76.8
4-Sep-20	ND	ND	ND	ND	0.994	67.3
28-Oct-20	ND	ND	ND	ND	1.64	61.3
23-Feb-21	ND	ND	ND	ND	3.43	100
9-Jun-21	ND	ND	ND	ND	1.57	55.1
24-Aug-21	ND	ND	1	ND	0.793	69.3
1-Dec-21	ND	ND	ND	ND	0.978	93.7
9-Mar-22	ND	ND	ND	ND	1.8	70.3
8-Jun-22	ND	ND	ND	ND	0.88	72.8
30-Aug-22	ND	ND	ND	ND	1.51	82.5

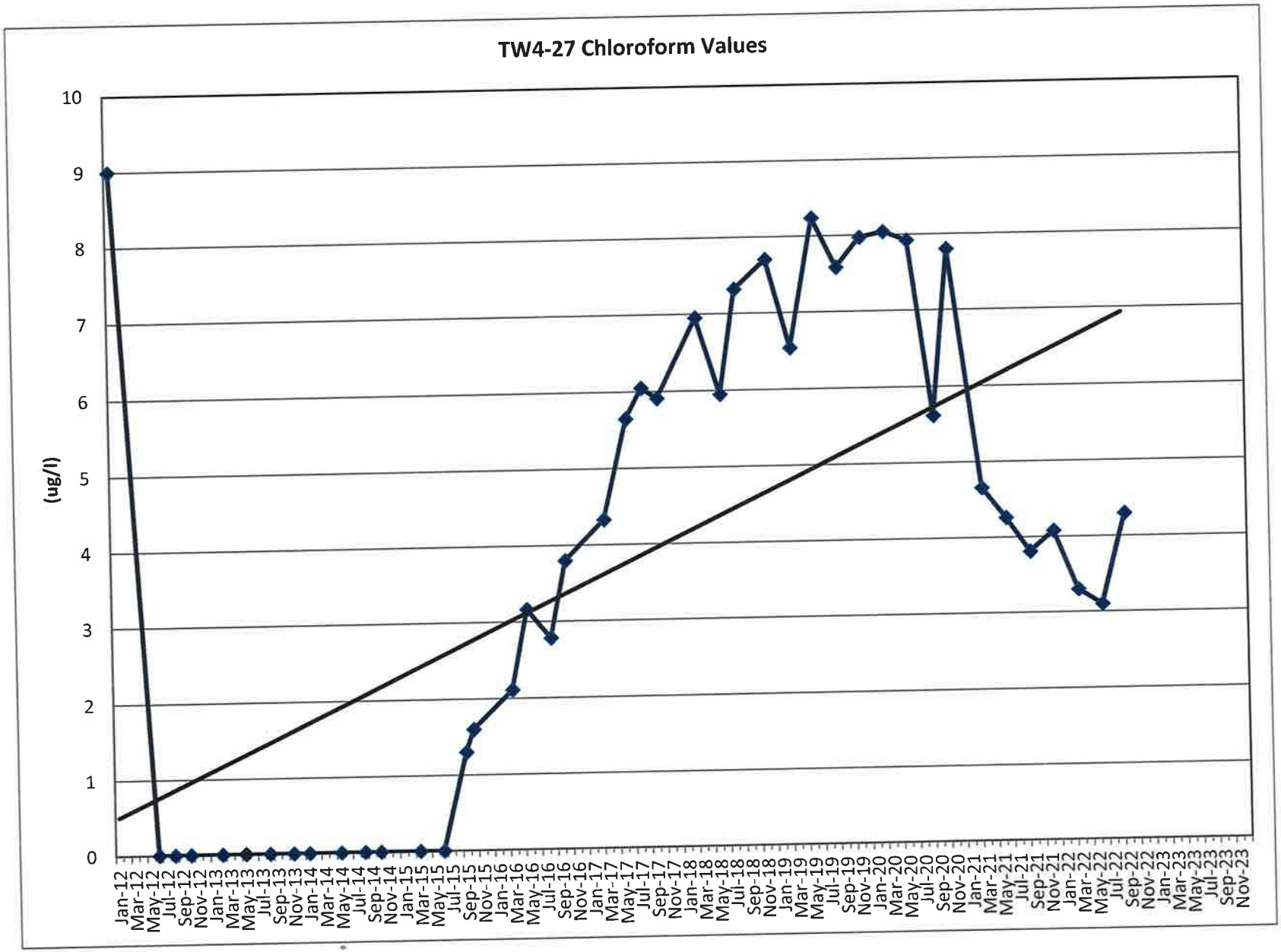

TW4-25 Chloroform Values
(ug/L)
1
1
1
1
1
0
0
0
Chloroform has not been detected in TW4-25
Jun-07
Jun-09
Jun-11
Jun-13
Jun-15
Jun-17
Jun-19
Jun-21

TW4-26	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
15-Jun-10	13	<1	<1	<1	7.9	33
11-Aug-10	5	<1	<1	<1	9	17
6-Oct-10	5.4	<1	<1	<1	9.6	22
22-Feb-11	2.0	ND	ND	ND	10	30
26-May-11	2.9	ND	ND	ND	10	15
17-Aug-11	2.8	ND	ND	ND	11	19
7-Dec-11	5.2	ND	ND	ND	10	26
18-Jan-12	7.0	ND	ND	ND	11	17
6-Jun-12	4.1	ND	ND	ND	12	19
11-Sep-12	4.9	ND	ND	ND	9	19
3-Oct-12	6.0	ND	ND	ND	12	19
7-Feb-13	5.0	ND	ND	ND	12.5	16.6
13-Jun-13	2.1	ND	ND	ND	13.6	14.5
5-Sep-13	2.8	ND	ND	ND	11.7	17.6
7-Nov-13	3.4	ND	ND	ND	15.9	15.9
29-Jan-14	1.4	ND	ND	ND	14.2	16.9
21-May-14	4.2	ND	ND	ND	12.5	15.4
11-Aug-14	1.3	ND	ND	ND	10.8	15
28-Oct-14	2.45	ND	ND	ND	12.3	14.6
12-Mar-15	2.37	ND	ND	ND	14.4	14.4
10-Jun-15	6.12	ND	1.17	ND	11.3	14.4
3-Sep-15	4.77	ND	ND	ND	14.2	14.0
28-Oct-15	3.45	ND	ND	ND	13.9	13.3
16-Mar-16	1.80	ND	ND	ND	16.9	13.7
26-May-16	8.23	ND	ND	ND	15.2	13.9
3-Aug-16	4.42	ND	ND	ND	17.9	13.9
20-Oct-16	19.9	ND	ND	ND	15.0	14.2
16-Mar-17	46.1	ND	ND	ND	15.8	16.2
20-Jun-17	244	ND	ND	ND	15.2	19.0
3-Aug-17	419	ND	ND	ND	15.2	25.8
11-Oct-17	608	ND	ND	ND	10.0	27.3
21-Mar-18	1050	ND	ND	ND	12.2	35.5
14-Jun-18	960	ND	ND	ND	13.2	33.5
5-Sep-18	916	ND	ND	ND	13.5	38.9
13-Dec-18	1050	ND	ND	ND	11.8	33.4
20-Mar-19	963	ND	ND	ND	12.2	32.9
19-Jun-19	1070	ND	ND	ND	12.6	35.8
12-Sep-19	877	ND	ND	ND	10.9	32.0
18-Dec-19	1070	ND	ND	ND	10.3	38.3
18-Mar-20	1090	ND	ND	ND	11.9	36.3
12-Jun-20	1140	ND	ND	ND	11.1	35.1
19-Sep-20	1120	ND	ND	ND	10.5	34.8
11-Nov-20	1160	ND	ND	ND	11.9	36.3
24-Mar-21	1030	ND	ND	ND	11.3	38.9
17-Jun-21	1020	ND	ND	ND	14.2	34.0

TW4-26	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
23-Sep-21	927	ND	ND	ND	12.1	36.5
9-Dec-21	993	ND	ND	ND	8.15	34.9
24-Mar-22	952	ND	2.4	ND	10.9	33.0
22-Jun-22	790	ND	2.4	ND	9.9	34.0
15-Sep-22	930	ND	ND	ND	10.3	36.7

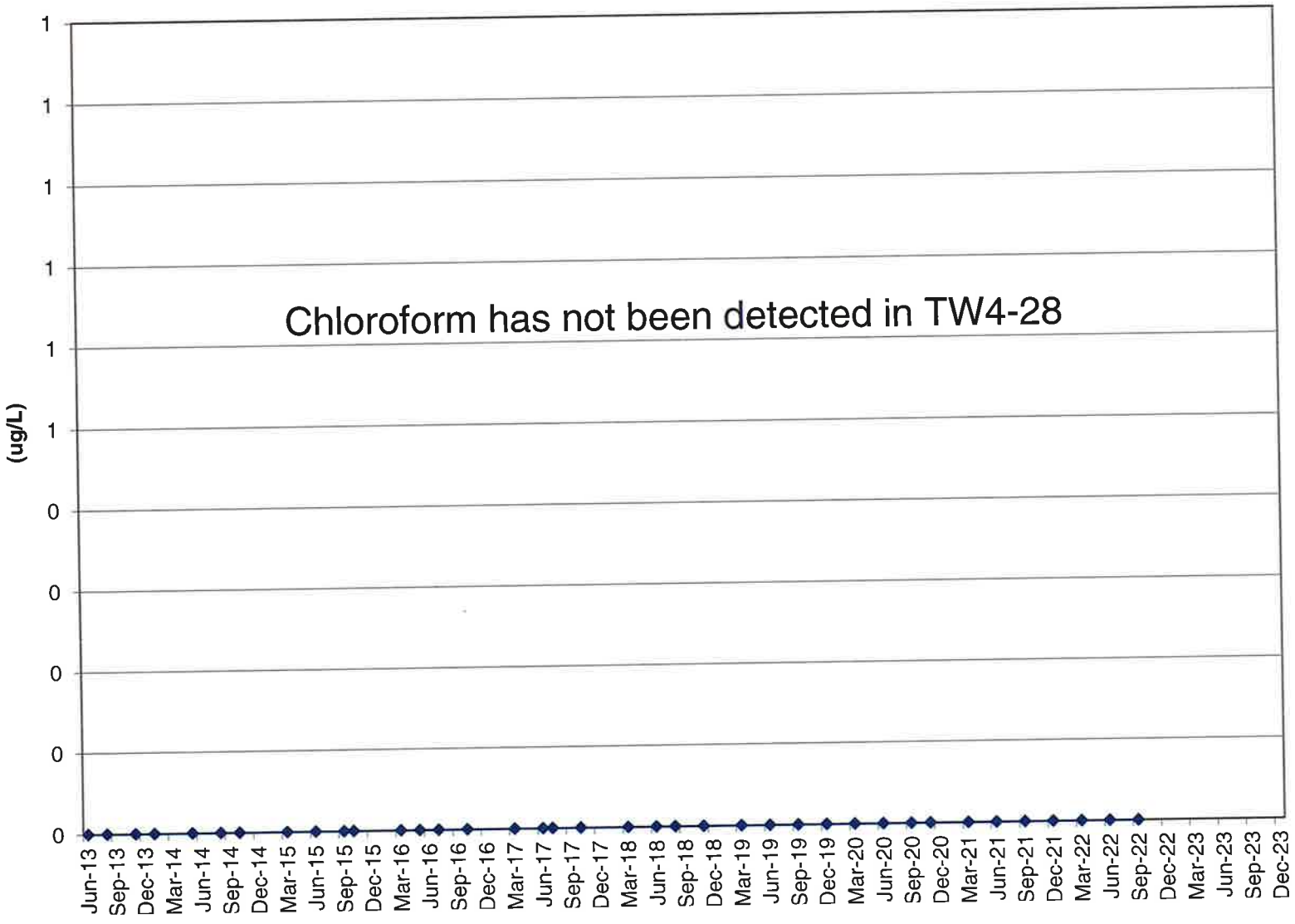

TW4-26 Chloroform Values
(ug/l)
1400
1200
1000
800
600
400
200
0
Jun-10
Oct-10
Feb-11
Jun-11
Oct-11
Feb-12
Jun-12
Oct-12
Feb-13
Jun-13
Oct-13
Feb-14
Jun-14
Oct-14
Feb-15
Jun-15
Oct-15
Feb-16
Jun-16
Oct-16
Feb-17
Jun-17
Oct-17
Feb-18
Jun-18
Oct-18
Feb-19
Jun-19
Oct-19
Feb-20
Jun-20
Oct-20
Feb-21
Jun-21
Oct-21
Feb-22
Jun-22

TW4-27	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
24-Jan-12	9	ND	ND	ND	24	11
13-Jun-12	ND	ND	ND	ND	41	17
30-Aug-12	ND	ND	ND	ND	37	21
3-Oct-12	ND	ND	ND	ND	36	18
7-Feb-13	ND	ND	ND	ND	31.2	18.8
30-May-13	ND	ND	ND	ND	29.4	20.3
29-Aug-13	ND	ND	ND	ND	27.2	19
6-Nov-13	ND	ND	ND	ND	29.8	21.8
23-Jan-14	ND	ND	ND	ND	31.3	21.8
21-May-14	ND	ND	ND	ND	31.1	20.6
13-Aug-14	ND	ND	ND	ND	27.0	23
23-Oct-14	ND	ND	ND	ND	28.2	24.4
11-Mar-15	ND	ND	ND	ND	26.5	26.2
10-Jun-15	ND	ND	ND	ND	24.0	26.8
2-Sep-15	1.30	ND	ND	ND	20.9	26.8
28-Oct-15	1.60	ND	ND	ND	23.5	26.2
16-Mar-16	2.11	ND	ND	ND	25.0	28.0
26-May-16	3.16	ND	ND	ND	21.2	28.7
3-Aug-16	2.78	ND	ND	ND	21.8	27.1
20-Oct-16	3.80	ND	ND	ND	19.3	29.4
15-Mar-17	4.33	ND	ND	ND	22.2	28.3
15-Jun-17	5.65	ND	ND	ND	23.8	27.9
2-Aug-17	6.05	ND	ND	ND	20.0	29.5
10-Oct-17	5.91	ND	ND	ND	21.5	26.3
14-Mar-18	6.95	ND	ND	ND	19.5	30.3
13-Jun-18	5.95	ND	ND	ND	22.0	28.3
30-Aug-18	7.32	ND	ND	ND	18.1	31.4
12-Dec-18	7.70	ND	ND	ND	20.8	28.2
16-Mar-19	6.54	ND	ND	ND	21.5	26.2
13-Jun-19	8.24	ND	ND	ND	22.3	28.6
11-Sep-19	7.58	ND	ND	ND	21.2	25.3
14-Dec-19	7.97	ND	ND	ND	22.0	27.4
17-Mar-20	8.04	ND	ND	ND	23.6	27.6
11-Jun-20	7.92	ND	ND	ND	21.5	28.0
18-Sep-20	5.62	ND	ND	ND	25.2	26.2
4-Nov-20	7.80	ND	ND	ND	16.7	26.8
18-Mar-21	4.66	ND	ND	ND	23.0	27.5
16-Jun-21	4.26	ND	ND	ND	23.8	25.8
15-Sep-21	3.81	ND	ND	ND	21.1	21.7
8-Dec-21	4.08	ND	ND	ND	24.9	26.4
23-Mar-22	3.3	ND	ND	ND	21.3	22.7
16-Jun-22	3.1	ND	ND	ND	20	22.3
14-Sep-22	4.3	ND	ND	ND	16.9	23.2

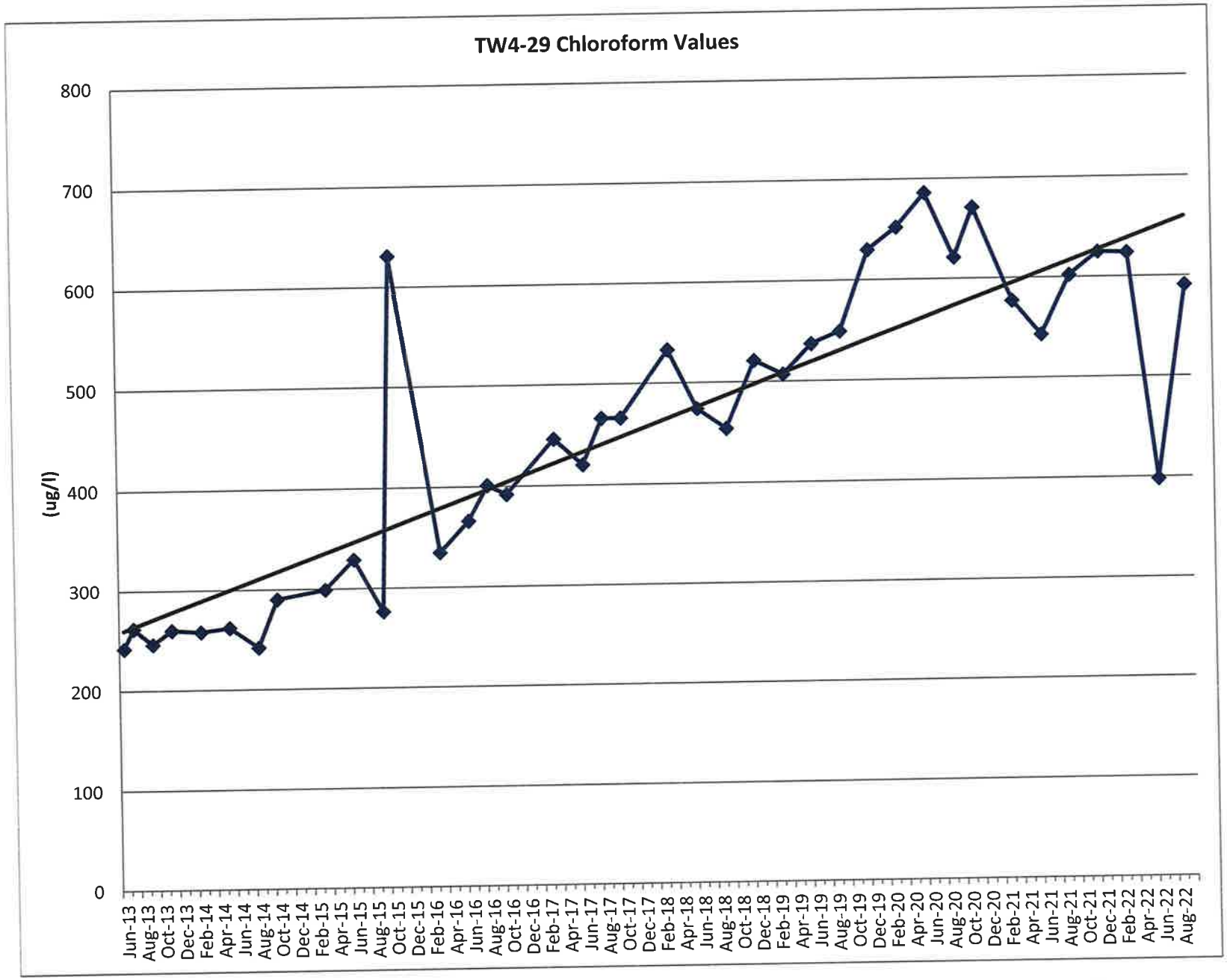

TW4-27 Chloroform Values
(ug/l)
10
9
8
7
6
5
4
3
2
1
0
Jan-12
Mar-12
May-12
Jul-12
Sep-12
Nov-12
Jan-13
Mar-13
May-13
Jul-13
Sep-13
Nov-13
Jan-14
Mar-14
May-14
Jul-14
Sep-14
Nov-14
Jan-15
Mar-15
May-15
Jul-15
Sep-15
Nov-15
Jan-16
Mar-16
May-16
Jul-16
Sep-16
Nov-16
Jan-17
Mar-17
May-17
Jul-17
Sep-17
Nov-17
Jan-18
Mar-18
May-18
Jul-18
Sep-18
Nov-18
Jan-19
Mar-19
May-19
Jul-19
Sep-19
Nov-19
Jan-20
Mar-20
May-20
Jul-20
Sep-20
Nov-20
Jan-21
Mar-21
May-21
Jul-21
Sep-21
Nov-21
Jan-22
Mar-22
May-22
Jul-22
Sep-22
Nov-22
Jan-23
Mar-23
May-23
Jul-23
Sep-23
Nov-23

TW4-28	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
19-Jun-13	ND	ND	ND	ND	14.9	44.6
29-Aug-13	ND	ND	ND	ND	17.3	45.3
6-Nov-13	ND	ND	ND	ND	16.2	45.2
22-Jan-14	ND	ND	ND	ND	16.9	47.8
21-May-14	ND	ND	ND	ND	16.5	45.7
13-Aug-14	ND	ND	ND	ND	14.2	50
23-Oct-14	ND	ND	ND	ND	16.5	52.1
11-Mar-15	ND	ND	ND	ND	19	52.2
10-Jun-15	ND	ND	ND	ND	19	56.4
2-Sep-15	ND	ND	ND	ND	17.8	61.4
21-Oct-15	ND	ND	ND	ND	18.7	52.7
15-Mar-16	ND	ND	ND	ND	34.0	61.6
25-May-16	ND	ND	ND	ND	29.0	67.1
27-Jul-16	ND	ND	ND	ND	31.3	70.1
19-Oct-16	ND	ND	ND	ND	25.5	70.9
14-Mar-17	ND	ND	ND	ND	24.4	64.2
14-Jun-17	ND	ND	ND	ND	26.0	68.6
27-Jul-17	ND	ND	ND	ND	24.8	67.1
10-Oct-17	ND	ND	ND	ND	24.8	57.4
14-Mar-18	ND	ND	ND	ND	17.2	65.0
12-Jun-18	ND	ND	ND	ND	19.0	55.7
29-Aug-18	ND	ND	ND	ND	16.0	63.8
30-Nov-18	ND	ND	ND	ND	17.7	52.4
16-Mar-19	ND	ND	ND	ND	17.2	51.7
13-Jun-19	ND	ND	ND	ND	15.0	51.8
11-Sep-19	ND	ND	ND	ND	10.2	49.0
12-Dec-19	ND	ND	ND	ND	9.48	50.0
17-Mar-20	ND	ND	ND	ND	9.87	52.1
10-Jun-20	ND	ND	ND	ND	9.55	49.8
17-Sep-20	ND	ND	ND	ND	8.36	47.4
4-Nov-20	ND	ND	ND	ND	7.76	49.0
17-Mar-21	ND	ND	ND	ND	8.68	51.8
15-Jun-21	ND	ND	ND	ND	9.09	48.5
15-Sep-21	ND	ND	ND	ND	8.08	40.7
7-Dec-21	ND	ND	ND	ND	7.06	47.8
15-Mar-22	ND	ND	ND	ND	7.8	38.8
15-Jun-22	ND	ND	ND	ND	15	52.3
13-Sep-22	ND	ND	ND	ND	16.2	58.5

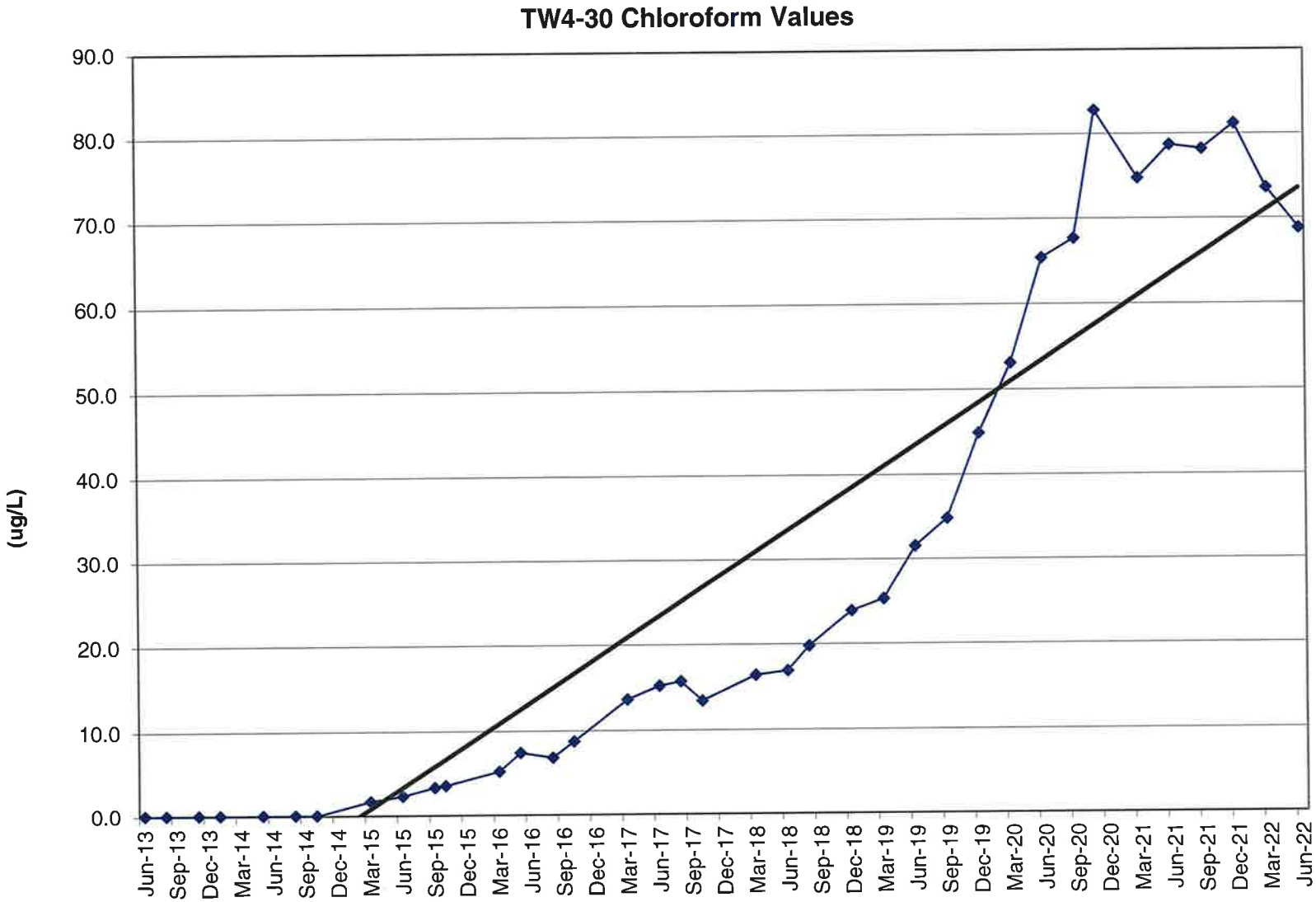
TW4-28 Chloroform Values



TW4-29	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
19-Jun-13	242	ND	ND	ND	4.63	44.8
11-Jul-13	262	ND	ND	ND	3.52	37.7
26-Sep-13	246	ND	ND	ND	4.18	41.4
13-Nov-13	260	ND	ND	ND	4.11	42.5
5-Feb-14	258	ND	ND	ND	4.63	41.9
22-May-14	262	ND	ND	ND	3.52	38.2
27-Aug-14	242	ND	ND	ND	3.4	41
29-Oct-14	290	ND	ND	ND	3.64	41
12-Mar-15	299	ND	ND	ND	4.14	40.5
11-Jun-15	329	ND	ND	ND	2.95	42.5
3-Sep-15	276	ND	ND	ND	2.19	47.3
29-Oct-15	631	ND	ND	ND	2.74	39.8
17-Mar-16	335	ND	ND	ND	2.92	40.3
8-Jun-16	366	ND	ND	ND	2.51	42.9
4-Aug-16	401	ND	ND	ND	2.44	40.6
26-Oct-16	392	ND	ND	ND	2.4	44.2
16-Mar-17	446	ND	ND	ND	2.24	41.5
21-Jun-17	420	ND	ND	ND	2.26	42.0
4-Aug-17	466	ND	ND	ND	2.35	42.9
11-Oct-17	466	ND	ND	ND	2.45	37.7
21-Mar-18	533	ND	ND	ND	2.44	43.1
14-Jun-18	474	ND	ND	ND	2.67	40.1
5-Sep-18	454	ND	ND	ND	2.52	45.9
13-Dec-18	521	ND	ND	ND	2.50	40.9
20-Mar-19	507	ND	ND	ND	2.67	39.9
19-Jun-19	537	ND	ND	ND	2.56	39.4
12-Sep-19	549	ND	ND	ND	2.55	38.0
18-Dec-19	630	ND	ND	ND	2.58	44.8
18-Mar-20	652	ND	ND	ND	3.1	41.0
12-Jun-20	686	ND	ND	ND	3.18	42.2
19-Sep-20	621	ND	ND	ND	2.9	39.9
11-Nov-20	671	ND	ND	ND	3.27	40.8
24-Mar-21	577	ND	ND	ND	3.09	44.3
17-Jun-21	543	ND	ND	ND	3.59	40.0
23-Sep-21	602	ND	ND	ND	3.29	40.1
9-Dec-21	625	ND	ND	ND	2.39	38.7
23-Mar-22	624	ND	ND	ND	3.1	39.1
22-Jun-22	398	ND	ND	ND	2.9	41.5
15-Sep-22	591	ND	ND	ND	2.80	41.8

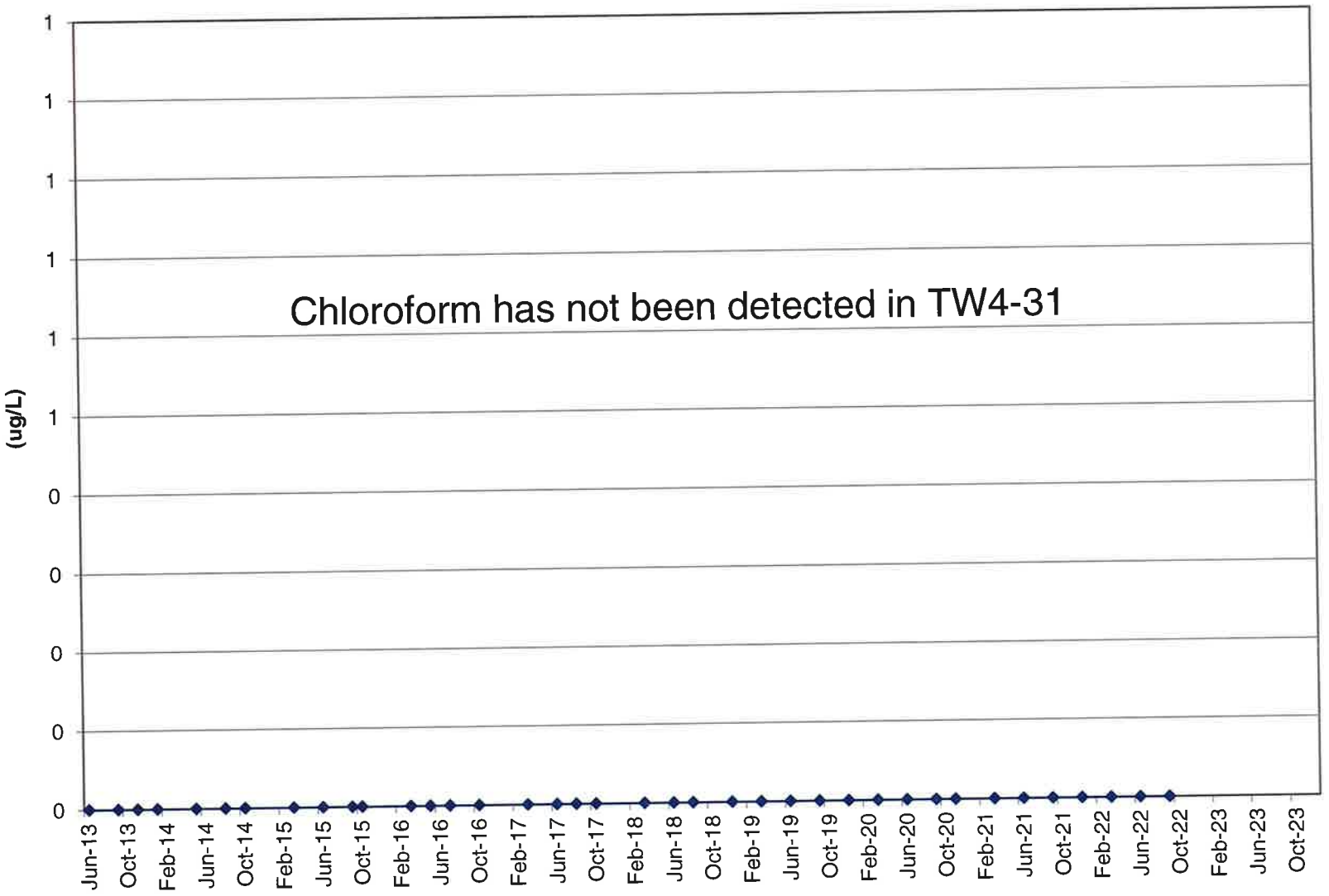

TW4-29 Chloroform Values
(ug/l)
800
700
600
500
400
300
200
100
0
Jun-13
Aug-13
Oct-13
Dec-13
Feb-14
Apr-14
Jun-14
Aug-14
Oct-14
Dec-14
Feb-15
Apr-15
Jun-15
Aug-15
Oct-15
Dec-15
Feb-16
Apr-16
Jun-16
Aug-16
Oct-16
Dec-16
Feb-17
Apr-17
Jun-17
Aug-17
Oct-17
Dec-17
Feb-18
Apr-18
Jun-18
Aug-18
Oct-18
Dec-18
Feb-19
Apr-19
Jun-19
Aug-19
Oct-19
Dec-19
Feb-20
Apr-20
Jun-20
Aug-20
Oct-20
Dec-20
Feb-21
Apr-21
Jun-21
Aug-21
Oct-21
Dec-21
Feb-22
Apr-22
Jun-22
Aug-22

TW4-30	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
19-Jun-13	ND	ND	ND	ND	0.948	36
29-Aug-13	ND	ND	ND	ND	0.952	36.3
7-Nov-13	ND	ND	ND	ND	1.24	35.9
23-Jan-14	ND	ND	ND	ND	1.36	36
21-May-14	ND	ND	ND	ND	1.44	31.99
13-Aug-14	ND	ND	ND	ND	1.5	38
23-Oct-14	ND	ND	ND	ND	1.84	37.1
11-Mar-15	1.65	ND	ND	ND	2.15	38.3
10-Jun-15	2.25	ND	ND	ND	1.75	40.3
3-Sep-15	3.27	ND	ND	ND	1.75	44.2
28-Oct-15	3.48	ND	ND	ND	1.86	37.8
17-Mar-16	5.16	ND	ND	ND	2.74	39.6
26-May-16	7.38	ND	ND	ND	2.04	40.2
3-Aug-16	6.79	ND	ND	ND	2.32	38.6
20-Oct-16	8.69	ND	ND	ND	2.51	41.3
15-Mar-17	13.6	ND	ND	ND	2.7	37.7
15-Jun-17	15.2	ND	ND	ND	2.95	37.8
3-Aug-17	15.7	ND	ND	ND	3.11	39.8
10-Oct-17	13.4	ND	ND	ND	2.58	34.9
15-Mar-18	16.4	ND	ND	ND	3.63	41.0
13-Jun-18	16.9	ND	ND	ND	3.93	37.4
30-Aug-18	19.8	ND	ND	ND	3.79	44.1
12-Dec-18	23.9	ND	ND	ND	3.70	35.5
16-Mar-19	25.3	ND	ND	ND	4.08	35.9
13-Jun-19	31.5	ND	ND	ND	4.13	27.2
11-Sep-19	34.8	ND	ND	ND	3.62	34.5
18-Dec-19	44.9	ND	ND	ND	3.62	39.1
17-Mar-20	53.1	ND	ND	ND	3.85	37.5
12-Jun-20	65.4	ND	ND	ND	3.69	38.6
18-Sep-20	67.7	ND	ND	ND	3.49	35.0
11-Nov-20	82.8	ND	ND	ND	3.64	37.1
18-Mar-21	74.8	ND	ND	ND	3.54	37.6
17-Jun-21	78.7	ND	ND	ND	4.19	38.3
22-Sep-21	78.2	ND	ND	ND	2.60	23.5
8-Dec-21	81.2	ND	ND	ND	3.14	37.9
23-Mar-22	73.6	ND	ND	ND	3.0	35.1
22-Jun-22	68.8	ND	ND	ND	2.61	30.5


TW4-30 Chloroform Values
(ug/L)
90.0
80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
Jun-13
Sep-13
Dec-13
Mar-14
Jun-14
Sep-14
Dec-14
Mar-15
Jun-15
Sep-15
Dec-15
Mar-16
Jun-16
Sep-16
Dec-16
Mar-17
Jun-17
Sep-17
Dec-17
Mar-18
Jun-18
Sep-18
Dec-18
Mar-19
Jun-19
Sep-19
Dec-19
Mar-20
Jun-20
Sep-20
Dec-20
Mar-21
Jun-21
Sep-21
Dec-21
Mar-22
Jun-22

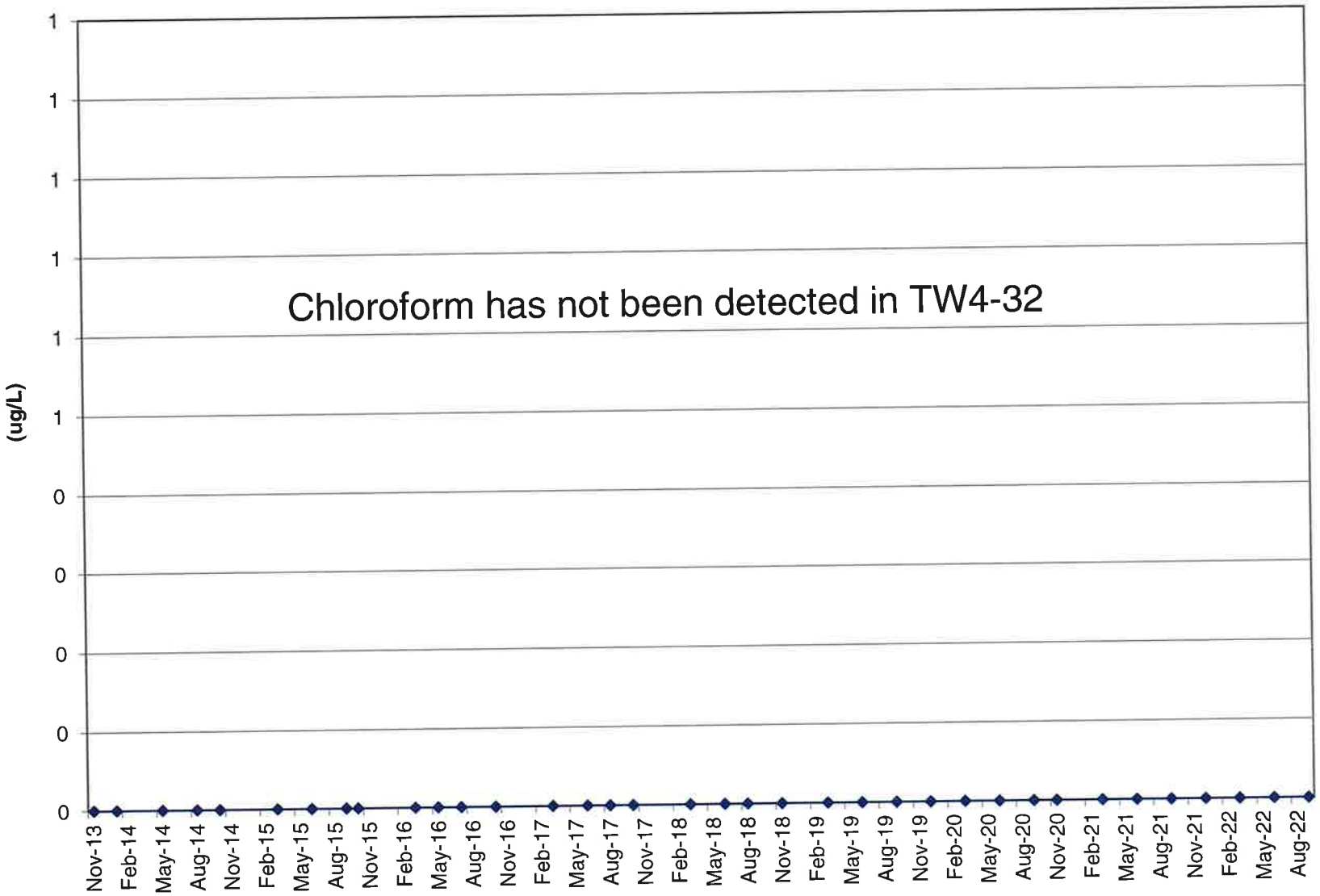
TW4-31	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
19-Jun-13	ND	ND	ND	ND	1.26	28.4
5-Sep-13	ND	ND	ND	ND	1.1	29.4
7-Nov-13	ND	ND	ND	ND	1.33	28
23-Jan-14	ND	ND	ND	ND	1.32	28.5
21-May-14	ND	ND	ND	ND	1.22	26.3
13-Aug-14	ND	ND	ND	ND	1.1	30
28-Oct-14	ND	ND	ND	ND	1.23	30
11-Mar-15	ND	ND	ND	ND	1.33	30.6
10-Jun-15	ND	ND	ND	ND	1.19	31.1
2-Sep-15	ND	ND	ND	ND	0.916	30.4
21-Oct-15	ND	ND	ND	ND	0.953	29.1
16-Mar-16	ND	ND	ND	ND	1.84	31.5
25-May-16	ND	ND	ND	ND	1.36	32.5
28-Jul-16	ND	ND	ND	ND	1.41	30.6
20-Oct-16	ND	ND	ND	ND	1.14	34.0
15-Mar-17	ND	ND	ND	ND	1.19	31.3
15-Jun-17	ND	ND	ND	ND	1.21	33.4
2-Aug-17	ND	ND	ND	ND	1.11	33.0
10-Oct-17	ND	ND	ND	ND	1.04	30.9
14-Mar-18	ND	ND	ND	ND	0.916	38.8
12-Jun-18	ND	ND	ND	ND	0.948	34.4
29-Aug-18	ND	ND	ND	ND	0.710	40.3
12-Dec-18	ND	ND	ND	ND	0.766	35.2
16-Mar-19	ND	ND	ND	ND	0.754	35.0
13-Jun-19	ND	ND	ND	ND	0.713	36.9
11-Sep-19	ND	ND	ND	ND	0.610	35.8
14-Dec-19	ND	ND	ND	ND	0.583	40.6
17-Mar-20	ND	ND	ND	ND	0.572	38.2
11-Jun-20	ND	ND	ND	ND	0.569	36.7
17-Sep-20	ND	ND	ND	ND	0.507	36.5
4-Nov-20	ND	ND	ND	ND	0.501	36.4
17-Mar-21	ND	ND	ND	ND	0.501	40.3
16-Jun-21	ND	ND	ND	ND	0.451	37.9
15-Sep-21	ND	ND	ND	ND	0.461	31.2
8-Dec-21	ND	ND	ND	ND	0.339	40.3
16-Mar-22	ND	ND	ND	ND	0.4	34.8
16-Jun-22	ND	ND	ND	ND	0.41	35.5
13-Sep-22	ND	ND	ND	ND	0.396	40.0

TW4-31 Chloroform Values



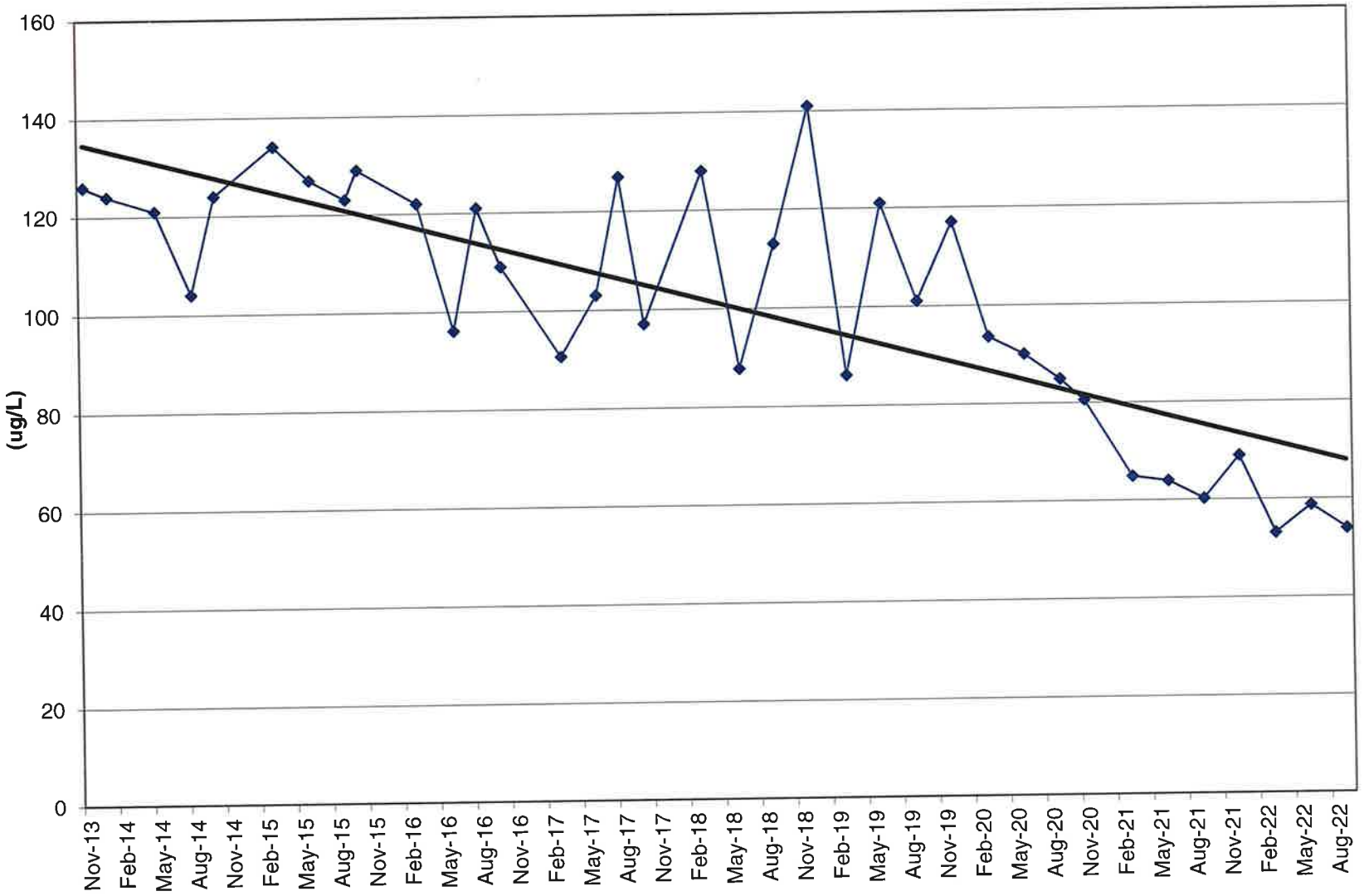
TW4-32	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
14-Nov-13	ND	ND	ND	ND	4.26	52.1
22-Jan-14	ND	ND	ND	ND	5.11	54.5
21-May-14	ND	ND	ND	ND	5.63	54.9
13-Aug-14	ND	ND	ND	ND	4.2	64
23-Oct-14	ND	ND	ND	ND	2.14	62.6
11-Mar-15	ND	ND	ND	ND	2.46	64.2
10-Jun-15	ND	ND	ND	ND	1.21	62.7
2-Sep-15	ND	ND	ND	ND	5.09	59.6
21-Oct-15	ND	ND	ND	ND	1.19	55.1
15-Mar-16	ND	ND	ND	ND	4.48	64.2
25-May-16	ND	ND	ND	ND	3.16	71.8
28-Jul-16	ND	ND	ND	ND	3.44	64.4
19-Oct-16	ND	ND	ND	ND	2.87	66.0
14-Mar-17	ND	ND	ND	ND	2.82	62.8
15-Jun-17	ND	ND	ND	ND	2.37	53.5
2-Aug-17	ND	ND	ND	ND	2.47	65.8
10-Oct-17	ND	ND	ND	ND	2.54	58.3
14-Mar-18	ND	ND	ND	ND	2.94	65.4
12-Jun-18	ND	ND	ND	ND	2.51	59.2
29-Aug-18	ND	ND	ND	ND	2.56	68.1
30-Nov-18	ND	ND	ND	ND	2.50	57.5
16-Mar-19	ND	ND	ND	ND	2.15	57.5
13-Jun-19	ND	ND	ND	ND	2.18	60.1
11-Sep-19	ND	ND	ND	ND	1.84	55.0
14-Dec-19	ND	ND	ND	ND	1.89	64.7
17-Mar-20	ND	ND	ND	ND	1.97	59.7
10-Jun-20	ND	ND	ND	ND	2.19	57.0
17-Sep-20	ND	ND	ND	ND	1.58	50.8
4-Nov-20	ND	ND	ND	ND	1.74	53.7
17-Mar-21	ND	ND	ND	ND	1.80	60.5
15-Jun-21	ND	ND	ND	ND	2.31	40.4
15-Sep-21	ND	ND	ND	ND	1.57	46.1
7-Dec-21	ND	ND	ND	ND	1.34	55.0
16-Mar-22	ND	ND	ND	ND	1.8	48.0
15-Jun-22	ND	ND	ND	ND	1.2	49.4
13-Sep-22	ND	ND	ND	ND	1.59	51.8

TW4-32 Chloroform Values

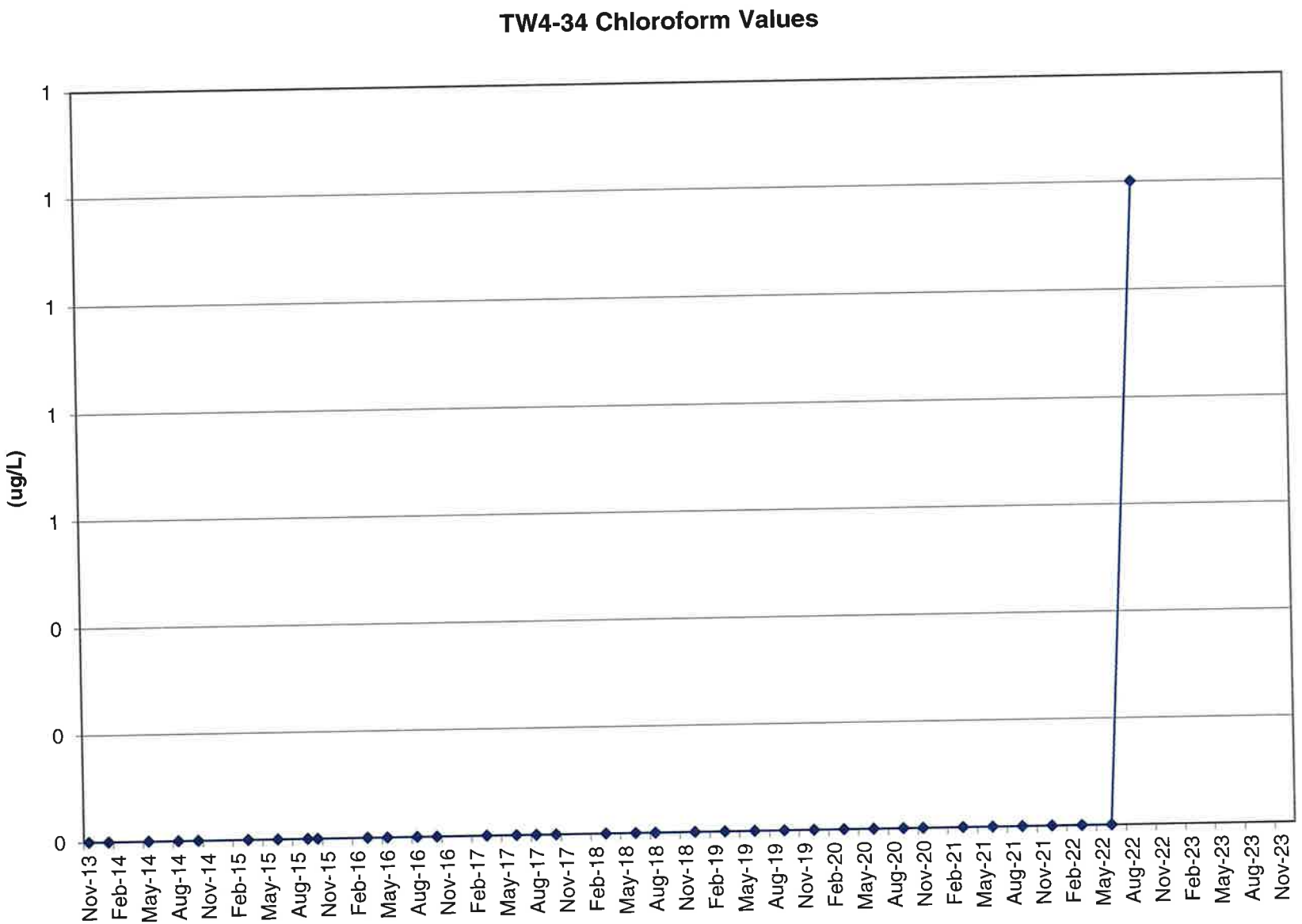


TW4-33	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
14-Nov-13	126	ND	ND	ND	1.82	47.2
30-Jan-14	124	ND	ND	ND	2.56	43.5
22-May-14	121	ND	ND	ND	1.63	46.8
27-Aug-14	104	ND	ND	ND	1.5	43
29-Oct-14	124	ND	ND	ND	2.22	44.2
12-Mar-15	134	ND	ND	ND	1.91	44.2
11-Jun-15	127	ND	ND	ND	1.62	46.4
3-Sep-15	123	ND	ND	ND	1.64	53.4
29-Oct-15	129	ND	ND	ND	1.92	44.5
17-Mar-16	122	ND	ND	ND	2.13	46.2
8-Jun-16	96	ND	ND	ND	2.06	49.7
4-Aug-16	121	ND	ND	ND	2.32	48.5
26-Oct-16	109	ND	ND	ND	2.36	52.4
16-Mar-17	91	ND	ND	ND	2.11	49.0
20-Jun-17	103	ND	ND	ND	2.34	49.2
3-Aug-17	127	ND	ND	ND	2.04	46.9
11-Oct-17	97.1	ND	ND	ND	2.09	42.5
15-Mar-18	128	ND	ND	ND	1.94	49.2
13-Jun-18	88	ND	ND	ND	2.13	44.0
5-Sep-18	113	ND	ND	ND	1.82	50.0
13-Dec-18	141	ND	ND	ND	2.01	43.2
20-Mar-19	86.2	ND	ND	ND	2.00	47.2
19-Jun-19	121	ND	ND	ND	2.16	43.4
12-Sep-19	101	ND	ND	ND	1.61	41.1
18-Dec-19	117	ND	ND	ND	1.86	48.8
18-Mar-20	94	ND	ND	ND	2.44	45.3
12-Jun-20	90	ND	ND	ND	3.26	48.9
18-Sep-20	85	ND	ND	ND	3.58	51.0
11-Nov-20	80.6	ND	ND	ND	3.71	51.5
18-Mar-21	64.9	ND	ND	ND	4.62	55.6
17-Jun-21	63.9	ND	ND	ND	6.25	54.7
22-Sep-21	60.2	ND	ND	ND	4.33	42.5
8-Dec-21	68.9	ND	ND	ND	4.65	53.8
23-Mar-22	53.1	ND	ND	ND	3.8	51.4
22-Jun-22	58.7	ND	ND	ND	3.7	56.7
14-Sep-22	53.9	ND	ND	ND	3.90	42.2

TW4-33 Chloroform Values

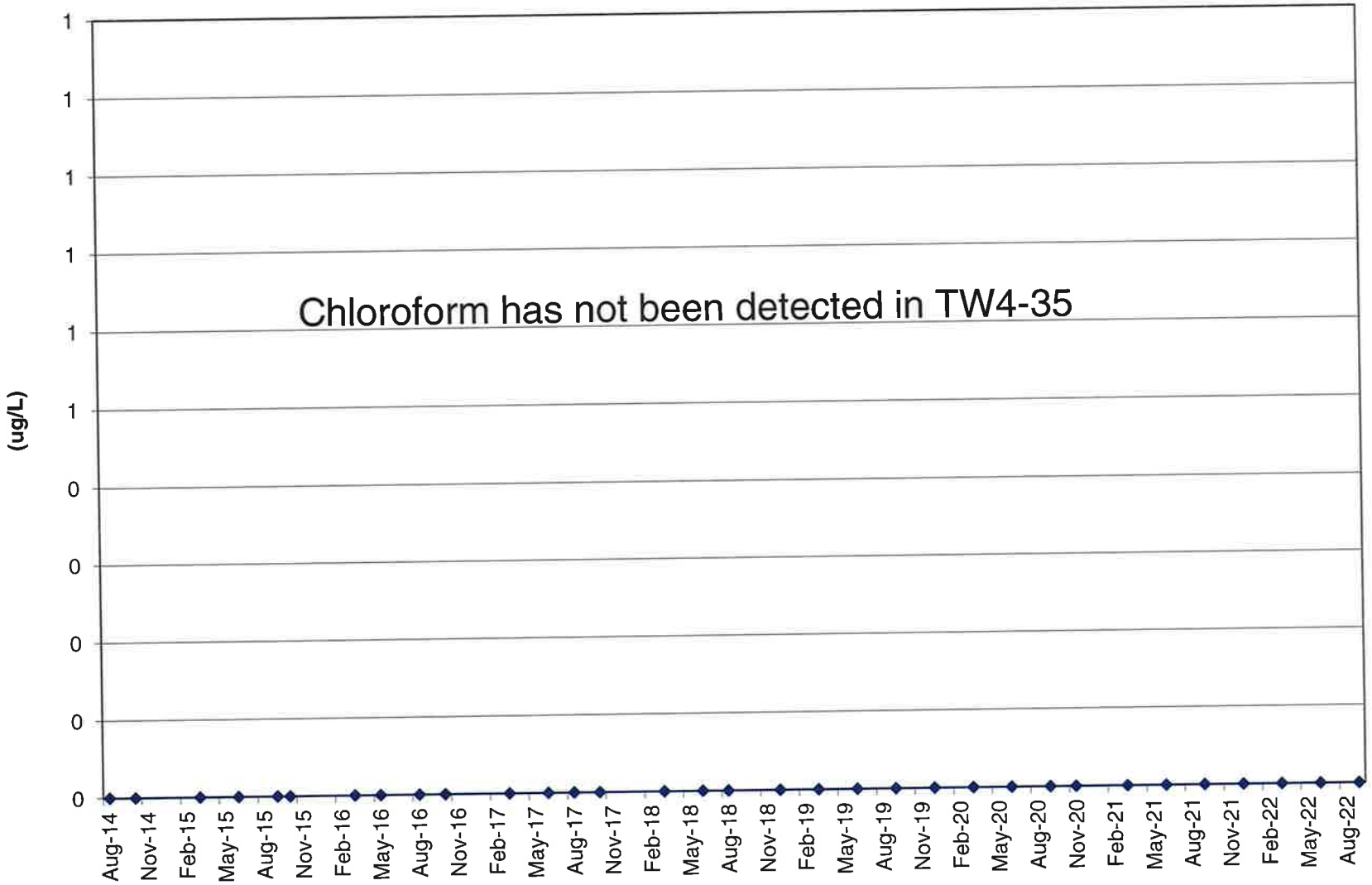


TW4-34	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
14-Nov-13	ND	ND	ND	ND	1.64	19.2
23-Jan-14	ND	ND	ND	ND	1.94	20.4
21-May-14	ND	ND	ND	ND	1.69	17.9
13-Aug-14	ND	ND	ND	ND	1.1	18
28-Oct-14	ND	ND	ND	ND	1.16	17.5
11-Mar-15	ND	ND	ND	ND	1.21	17.7
10-Jun-15	ND	ND	ND	ND	0.868	17.4
3-Sep-15	ND	ND	ND	ND	0.458	15.1
21-Oct-15	ND	ND	ND	ND	0.368	15.8
16-Mar-16	ND	ND	ND	ND	0.925	17.3
26-May-16	ND	ND	ND	ND	0.605	18
26-May-16	ND	ND	ND	ND	0.605	18
3-Aug-16	ND	ND	ND	ND	0.726	17.2
20-Oct-16	ND	ND	ND	ND	0.612	19.0
15-Mar-17	ND	ND	ND	ND	0.674	18.0
15-Jun-17	ND	ND	ND	ND	0.727	15.7
2-Aug-17	ND	ND	ND	ND	0.733	19.8
10-Oct-17	ND	ND	ND	ND	0.774	18.5
14-Mar-18	ND	ND	ND	ND	0.737	19.1
13-Jun-18	ND	ND	ND	ND	0.877	19.5
29-Aug-18	ND	ND	ND	ND	0.736	23.8
12-Dec-18	ND	ND	ND	ND	0.889	18.5
16-Mar-19	ND	ND	ND	ND	0.859	17.9
13-Jun-19	ND	ND	ND	ND	0.994	20.1
11-Sep-19	ND	ND	ND	ND	0.934	17.8
14-Dec-19	ND	ND	ND	ND	1.07	21.4
17-Mar-20	ND	ND	ND	ND	1.09	20.1
11-Jun-20	ND	ND	ND	ND	1.24	20.9
17-Sep-20	ND	ND	ND	ND	0.978	19.0
4-Nov-20	ND	ND	ND	ND	1.04	18.7
17-Mar-21	ND	ND	ND	ND	10.9	19.3
16-Jun-21	ND	ND	ND	ND	1.08	17.8
15-Sep-21	ND	ND	ND	ND	1.1	15.0
8-Dec-21	ND	ND	ND	ND	1.02	19.6
16-Mar-22	ND	ND	ND	ND	1.0	17.3
16-Jun-22	ND	ND	ND	ND	1.0	19.5
14-Sep-22	1.2	ND	ND	ND	0.788	18.8


TW4-34 Chloroform Values
(ug/L)
1
1
1
1
1
0
0
0
Nov-13
Feb-14
May-14
Aug-14
Nov-14
Feb-15
May-15
Aug-15
Nov-15
Feb-16
May-16
Aug-16
Nov-16
Feb-17
May-17
Aug-17
Nov-17
Feb-18
May-18
Aug-18
Nov-18
Feb-19
May-19
Aug-19
Nov-19
Feb-20
May-20
Aug-20
Nov-20
Feb-21
May-21
Aug-21
Nov-21
Feb-22
May-22
Aug-22
Nov-22
Feb-23
May-23
Aug-23
Nov-23

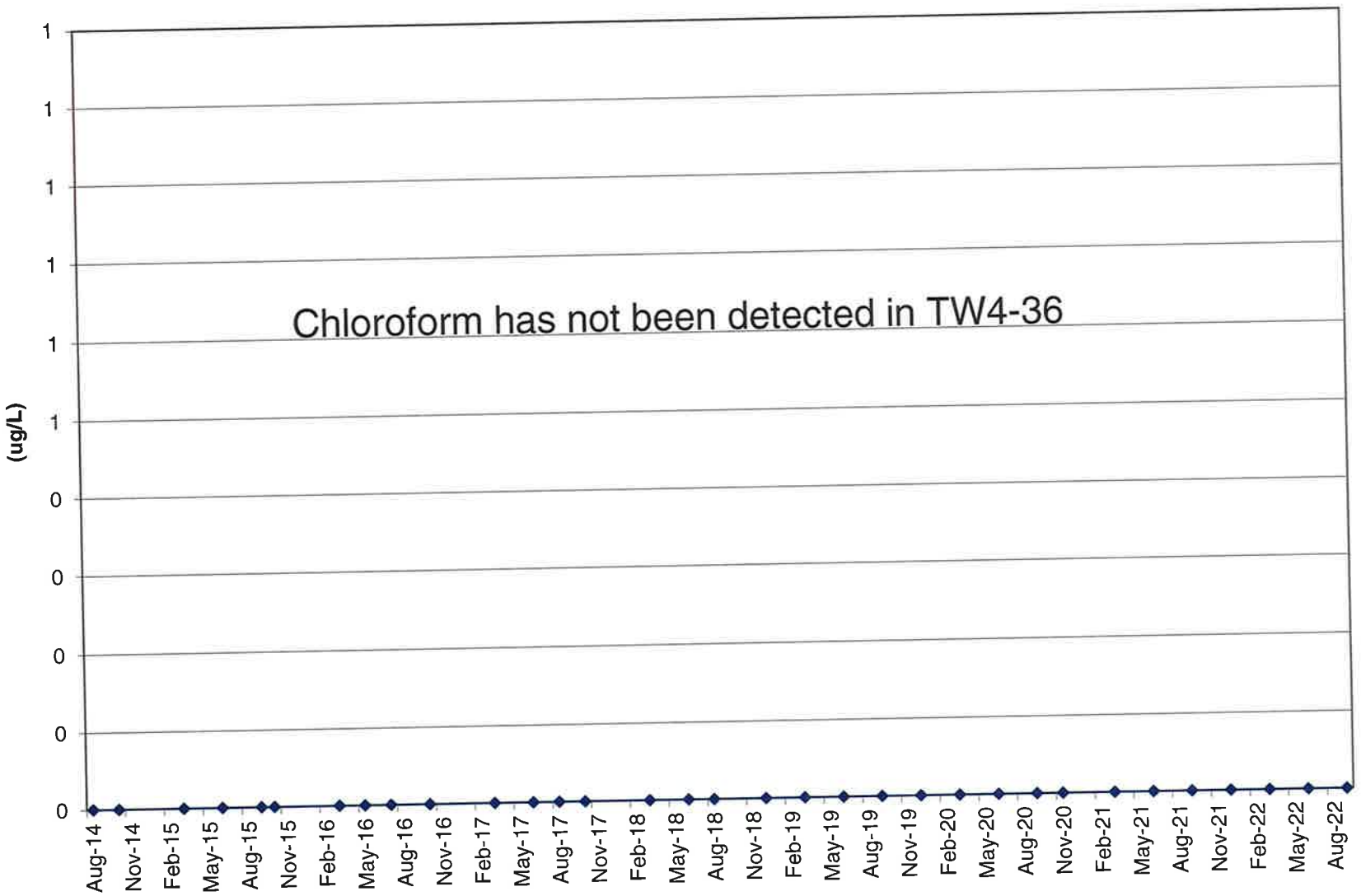
TW4-35	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
27-Aug-14	ND	ND	ND	ND	0.2	34
28-Oct-14	ND	ND	ND	ND	0.351	34.1
11-Mar-15	ND	ND	ND	ND	0.436	34.9
10-Jun-15	ND	ND	ND	ND	0.452	35.2
3-Sep-15	ND	ND	ND	ND	0.304	35.9
28-Oct-15	ND	ND	ND	ND	0.419	33.4
16-Mar-16	ND	ND	ND	ND	0.521	35.4
26-May-16	ND	ND	ND	ND	0.631	35.4
3-Aug-16	ND	ND	ND	ND	0.723	34.8
20-Oct-16	ND	ND	ND	ND	0.626	37.1
15-Mar-17	ND	ND	ND	ND	0.673	33.7
15-Jun-17	ND	ND	ND	ND	0.699	34.8
2-Aug-17	ND	ND	ND	ND	0.670	36.3
10-Oct-17	ND	ND	ND	ND	0.651	31.7
14-Mar-18	ND	ND	ND	ND	0.740	37.4
13-Jun-18	ND	ND	ND	ND	0.662	33.7
30-Aug-18	ND	ND	ND	ND	0.527	39.3
12-Dec-18	ND	ND	ND	ND	0.559	43.0
16-Mar-19	ND	ND	ND	ND	0.574	33.5
13-Jun-19	ND	ND	ND	ND	0.670	35.5
11-Sep-19	ND	ND	ND	ND	0.525	31.7
14-Dec-19	ND	ND	ND	ND	0.524	37.4
17-Mar-20	ND	ND	ND	ND	0.595	34.5
11-Jun-20	ND	ND	ND	ND	0.699	34.0
17-Sep-20	ND	ND	ND	ND	0.760	32.2
4-Nov-20	ND	ND	ND	ND	0.756	30.4
17-Mar-21	ND	ND	ND	ND	0.991	35.6
16-Jun-21	ND	ND	ND	ND	1.01	34.1
15-Sep-21	ND	ND	ND	ND	1.20	27.5
8-Dec-21	ND	ND	ND	ND	1.23	34.3
22-Mar-22	ND	ND	ND	ND	1.5	27.8
16-Jun-22	ND	ND	ND	ND	1.6	31.2
14-Sep-22	ND	ND	ND	ND	1.61	34.4

TW4-35 Chloroform Values

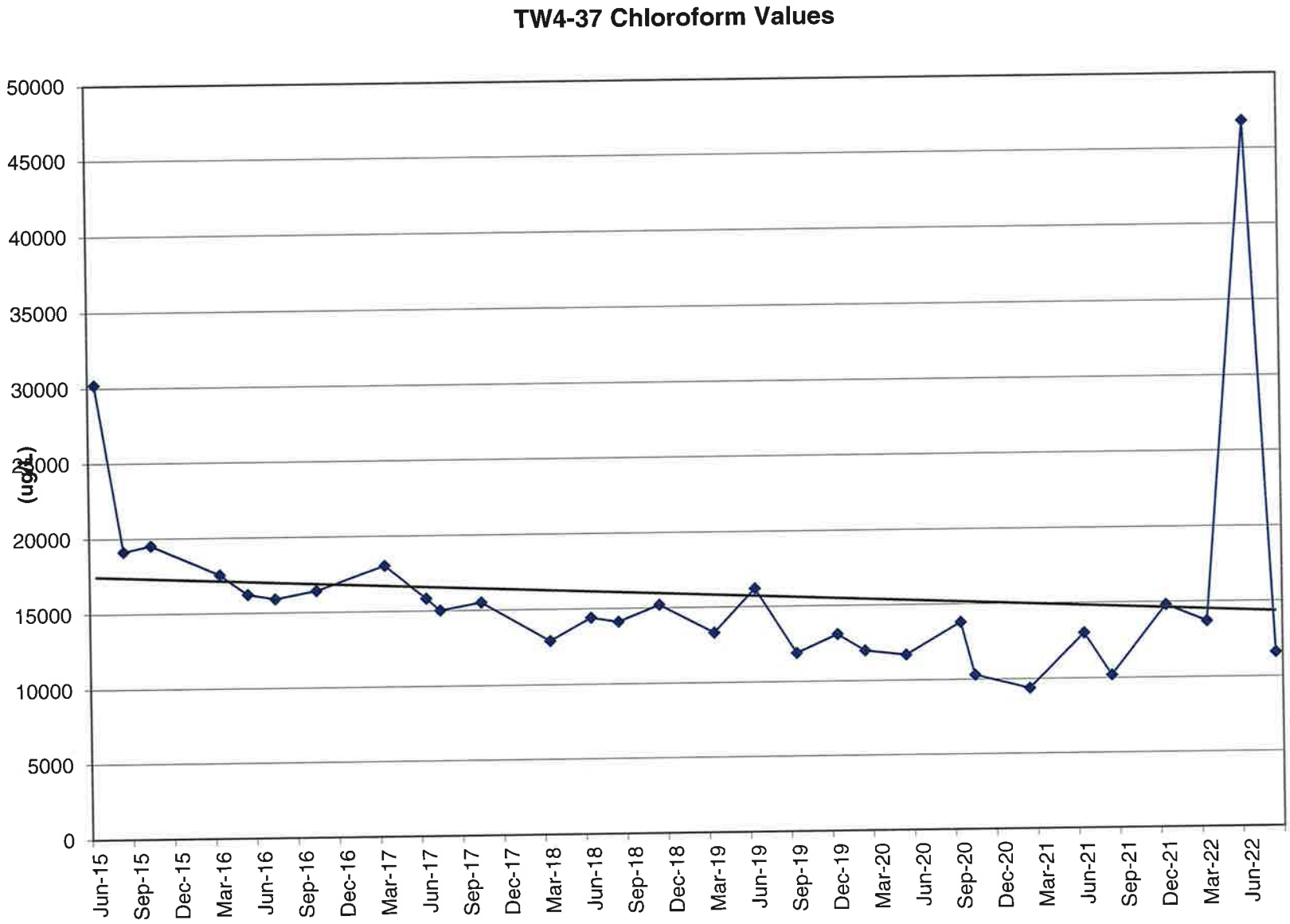


TW4-36	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
27-Aug-14	ND	ND	ND	ND	ND	65
23-Oct-14	ND	ND	ND	ND	ND	67.3
11-Mar-15	ND	ND	ND	ND	ND	67.2
10-Jun-15	ND	ND	ND	ND	ND	69.3
3-Sep-15	ND	ND	ND	ND	ND	76.4
21-Oct-15	ND	ND	ND	ND	ND	64.5
16-Mar-16	ND	ND	ND	ND	ND	67.1
25-May-16	ND	ND	ND	ND	ND	72.3
27-Jul-16	ND	ND	ND	ND	ND	69.4
20-Oct-16	ND	ND	ND	ND	ND	73.8
15-Mar-17	ND	ND	ND	ND	ND	60.2
15-Jun-17	ND	ND	ND	ND	ND	71.3
2-Aug-17	ND	ND	ND	ND	ND	69.6
10-Oct-17	ND	ND	ND	ND	0.104	62.9
14-Mar-18	ND	ND	ND	ND	ND	73.8
12-Jun-18	ND	ND	ND	ND	ND	64.3
29-Aug-18	ND	ND	ND	ND	ND	76.4
12-Dec-18	ND	ND	ND	ND	0.123	65.8
16-Mar-19	ND	ND	ND	ND	0.116	65.0
13-Jun-19	ND	ND	ND	ND	ND	71.5
11-Sep-19	ND	ND	ND	ND	ND	69.6
14-Dec-19	ND	ND	ND	ND	ND	73.7
17-Mar-20	ND	ND	ND	ND	ND	69.1
11-Jun-20	ND	ND	ND	ND	ND	67.0
17-Sep-20	ND	ND	ND	ND	ND	66.0
4-Nov-20	ND	ND	ND	ND	ND	64.0
17-Mar-21	ND	ND	ND	ND	ND	72.5
16-Jun-21	ND	ND	ND	ND	ND	68.7
15-Sep-21	ND	ND	ND	ND	ND	63.1
8-Dec-21	ND	ND	ND	ND	ND	69.9
16-Mar-22	ND	ND	ND	ND	0.1	61.2
15-Jun-22	ND	ND	ND	ND	ND	68.8
13-Sep-22	ND	ND	ND	ND	ND	69.3

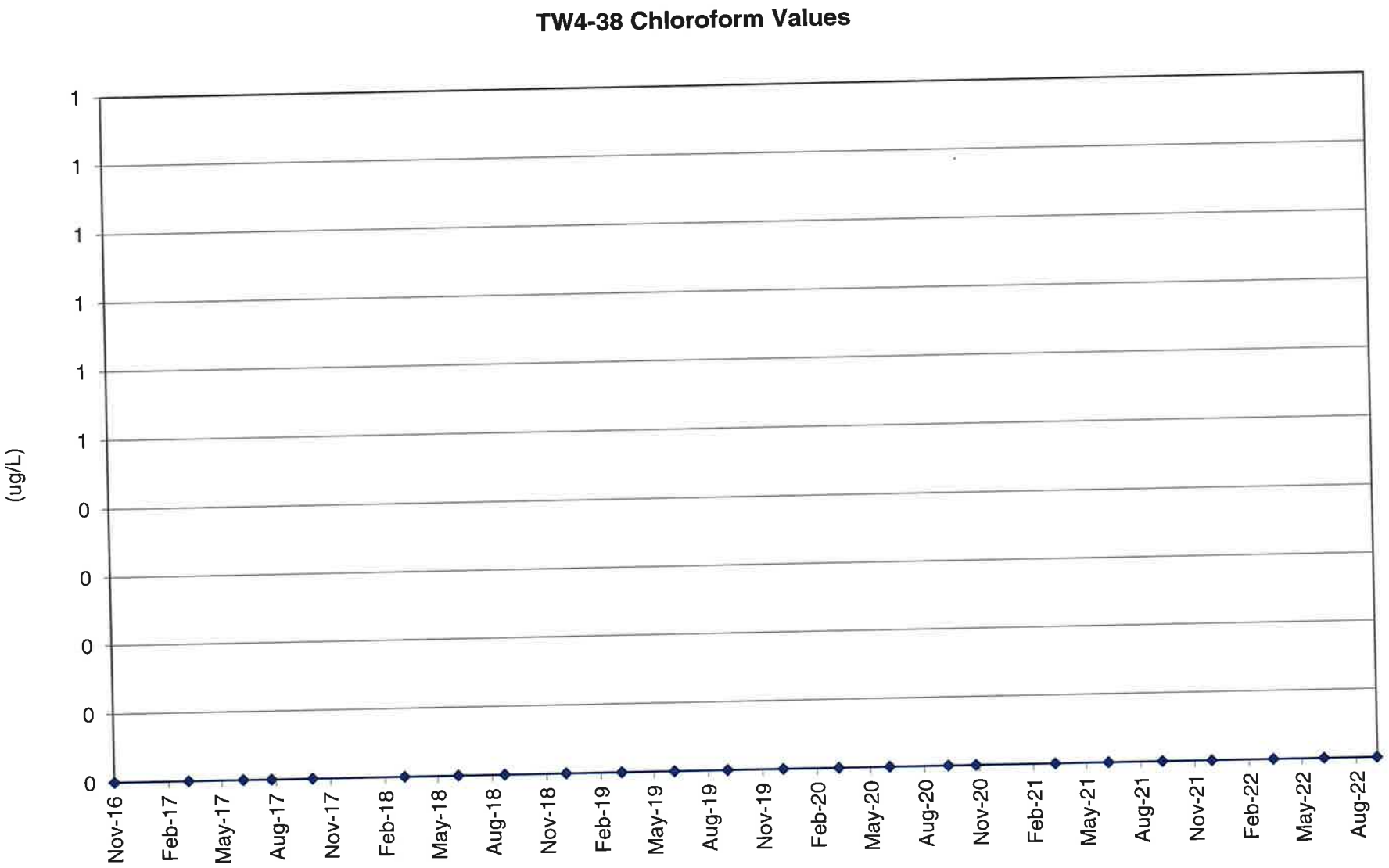
TW4-36 Chloroform Values



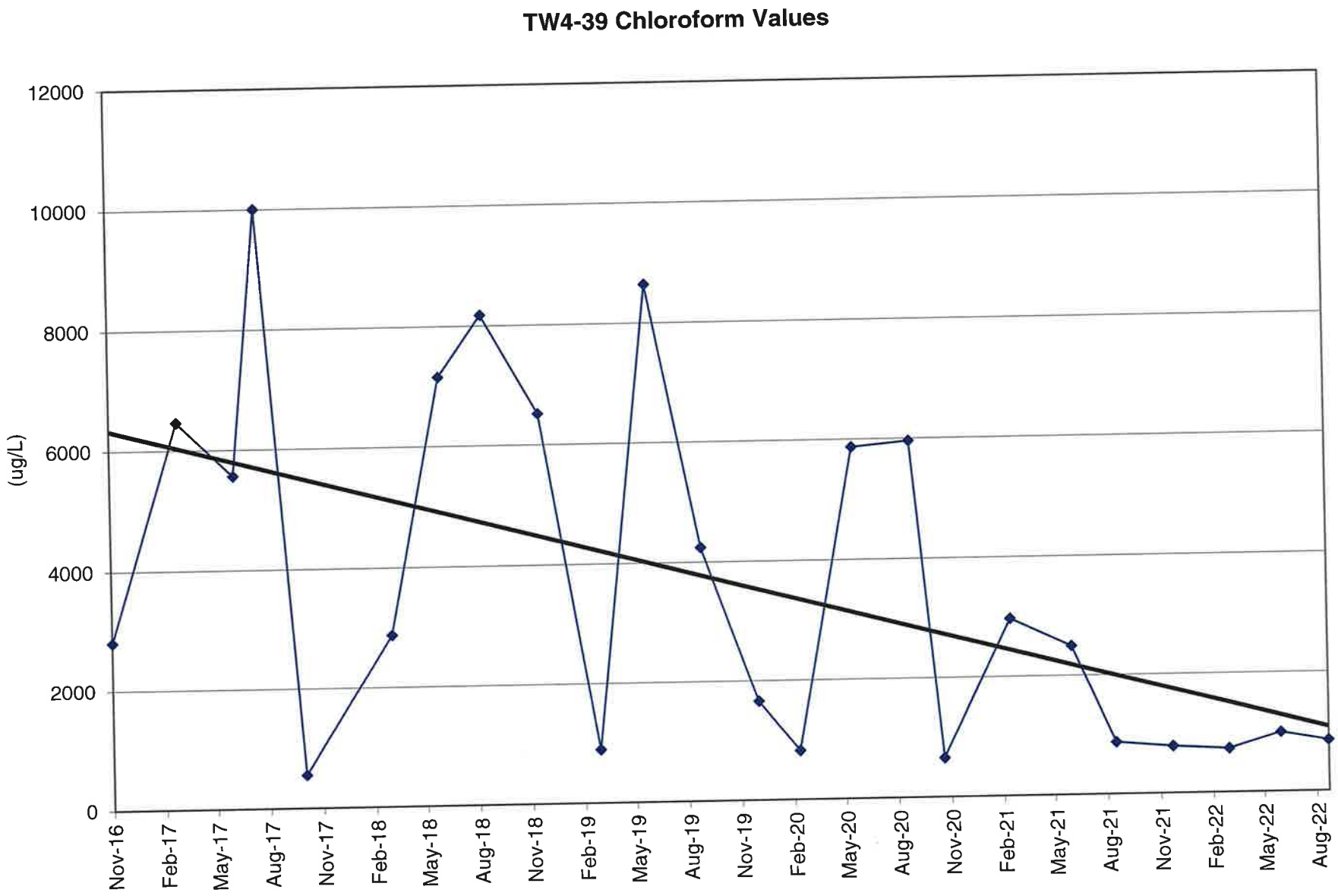
TW4-37	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
8-Jun-15	30200	18	16	2	35	345
31-Aug-15	19100	17	14	1.04	32	374
19-Oct-15	19500	13	9	1.17	35	399
9-Mar-16	17500	16	4	1.34	28.4	332
23-May-16	16200	14	ND	1.17	27.9	389
25-Jul-16	15900	17	ND	ND	33.4	294
12-Oct-16	16400	16	ND	ND	26.1	304
8-Mar-17	18000	15	ND	ND	32.3	305
13-Jun-17	15800	16	ND	ND	31.2	281
26-Jul-17	15000	15.1	ND	ND	30.5	277
11-Oct-17	15500	12.6	2.47	ND	30.6	255
12-Mar-18	12900	12.8	1.14	ND	30.0	263
8-Jun-18	14400	10.6	ND	ND	28.6	275
22-Aug-18	14100	12.1	6.20	ND	25.4	387
28-Nov-18	15200	11.3	19.8	ND	27.3	264
8-Mar-19	13300	13.8	1.2	ND	30.1	209
5-Jun-19	16200	14.6	ND	ND	31.2	250
4-Sep-19	11900	10.7	1.90	ND	25.8	228
10-Dec-19	13100	8.8	3.12	ND	25.5	220
19-Feb-20	12000	8.5	12.30	ND	28.3	236
27-May-20	11700	11.8	1.44	ND	28.3	321
4-Sep-20	13800	9.6	ND	ND	29.5	273
28-Oct-20	10300	6.5	29.40	ND	28.7	254
23-Feb-21	9380	ND	ND	ND	26.9	242
9-Jun-21	13000	8.46	1.98	ND	26.6	176
24-Aug-21	10200	7.65	ND	ND	25.8	220
1-Dec-21	14800	11.50	6.70	5.05	31.3	410
9-Mar-22	13700	12.20	ND	ND	29.8	414
8-Jun-22	46800	8.2	12.0	ND	28	267
30-Aug-22	11600	5.4	2.4	ND	26.6	243


TW4-37 Chloroform Values
50000
45000
40000
35000
30000
25000
20000
15000
10000
5000
0
(ug/L)
Jun-15
Sep-15
Dec-15
Mar-16
Jun-16
Sep-16
Dec-16
Mar-17
Jun-17
Sep-17
Dec-17
Mar-18
Jun-18
Sep-18
Dec-18
Mar-19
Jun-19
Sep-19
Dec-19
Mar-20
Jun-20
Sep-20
Dec-20
Mar-21
Jun-21
Sep-21
Dec-21
Mar-22
Jun-22

TW4-38	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
10-Nov-16	ND	ND	ND	ND	11.2	40.0
15-Mar-17	ND	ND	ND	ND	10.6	35.7
15-Jun-17	ND	ND	ND	ND	10.8	36.2
2-Aug-17	ND	ND	ND	ND	10.1	36.9
10-Oct-17	ND	ND	ND	ND	10.3	31.3
14-Mar-18	ND	ND	ND	ND	9.34	36.5
13-Jun-18	ND	ND	ND	ND	9.48	33.1
30-Aug-18	ND	ND	ND	ND	7.77	39.2
12-Dec-18	ND	ND	ND	ND	8.48	35.0
16-Mar-19	ND	ND	ND	ND	8.96	33.5
13-Jun-19	ND	ND	ND	ND	8.53	33.7
11-Sep-19	ND	ND	ND	ND	7.61	31.6
14-Dec-19	ND	ND	ND	ND	7.51	36.0
17-Mar-20	ND	ND	ND	ND	8.11	33.4
11-Jun-20	ND	ND	ND	ND	9.00	34.9
18-Sep-20	ND	ND	ND	ND	7.35	34.7
4-Nov-20	ND	ND	ND	ND	7.72	35.1
18-Mar-21	ND	ND	ND	ND	8.24	37.2
16-Jun-21	ND	ND	ND	ND	9.59	37.7
15-Sep-21	ND	ND	ND	ND	8.04	32.1
8-Dec-21	ND	ND	ND	ND	8.02	35.8
22-Mar-22	ND	ND	ND	ND	7.7	32.7
16-Jun-22	ND	ND	ND	ND	7.9	37.3
14-Sep-22	ND	ND	ND	ND	7.57	32.9

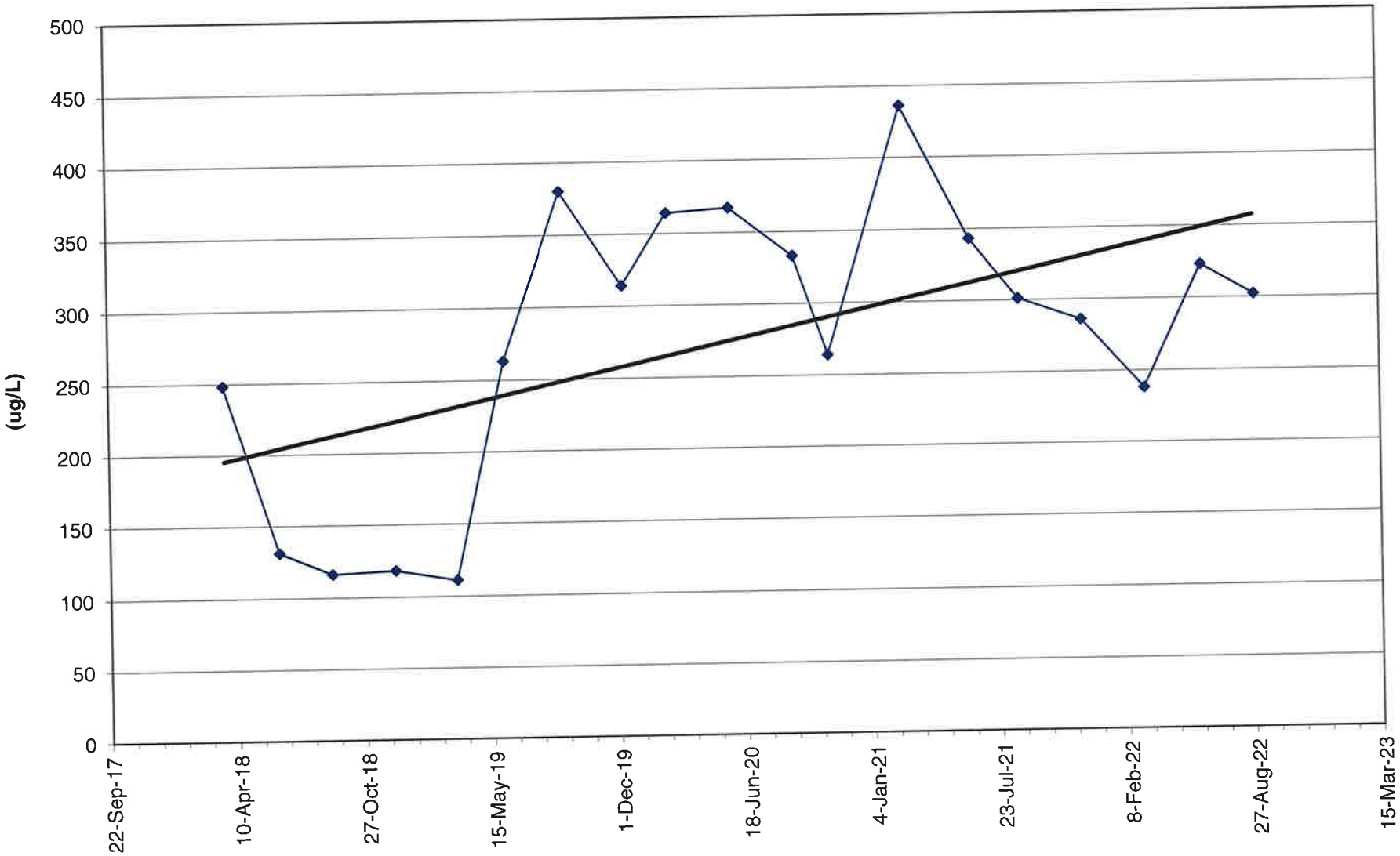

TW4-38 Chloroform Values
(ug/L)
1
1
1
1
1
1
0
0
0
0
0
Nov-16
Feb-17
May-17
Aug-17
Nov-17
Feb-18
May-18
Aug-18
Nov-18
Feb-19
May-19
Aug-19
Nov-19
Feb-20
May-20
Aug-20
Nov-20
Feb-21
May-21
Aug-21
Nov-21
Feb-22
May-22
Aug-22

TW4-39	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
10-Nov-16	2800	ND	ND	ND	20.7	68.9
8-Mar-17	6460	8.15	ND	1.35	6.44	130
13-Jun-17	5560	8.20	ND	1.31	6.25	120
26-Jul-17	10000	14.40	ND	1.50	7.74	132
11-Oct-17	552	ND	ND	ND	2.65	73.5
12-Mar-18	2870	3.10	ND	ND	3.33	118
8-Jun-18	7160	7.94	ND	ND	4.84	107
22-Aug-18	8180	12.50	2.33	ND	6.05	110
28-Nov-18	6520	6.08	ND	ND	6.39	123
8-Mar-19	885	1.20	ND	ND	2.08	49.0
5-Jun-19	8640	11.60	ND	ND	8.45	114.0
4-Sep-19	4240	5.71	ND	ND	1.75	48.2
10-Dec-19	1650	1.14	ND	ND	0.948	74.7
19-Feb-20	812	ND	ND	ND	0.792	76.5
27-May-20	5870	7.56	ND	ND	5.01	88.5
4-Sep-20	5960	8.18	ND	ND	2.69	63.2
28-Oct-20	648	ND	1.19	ND	7.03	83.2
23-Feb-21	2970	ND	ND	ND	2.12	53.0
9-Jun-21	2490	2.92	ND	ND	12.0	123.0
24-Aug-21	858	ND	ND	ND	2.70	78.7
1-Dec-21	776	ND	ND	ND	2.33	82.4
9-Mar-22	724	ND	ND	ND	2.9	75.2
8-Jun-22	982	ND	1.4	ND	9.0	76.8
30-Aug-22	843	ND	ND	ND	3.72	85.2


TW4-39 Chloroform Values
(ug/L)
12000
10000
8000
6000
4000
2000
0
Nov-16
Feb-17
May-17
Aug-17
Nov-17
Feb-18
May-18
Aug-18
Nov-18
Feb-19
May-19
Aug-19
Nov-19
Feb-20
May-20
Aug-20
Nov-20
Feb-21
May-21
Aug-21
Nov-21
Feb-22
May-22
Aug-22

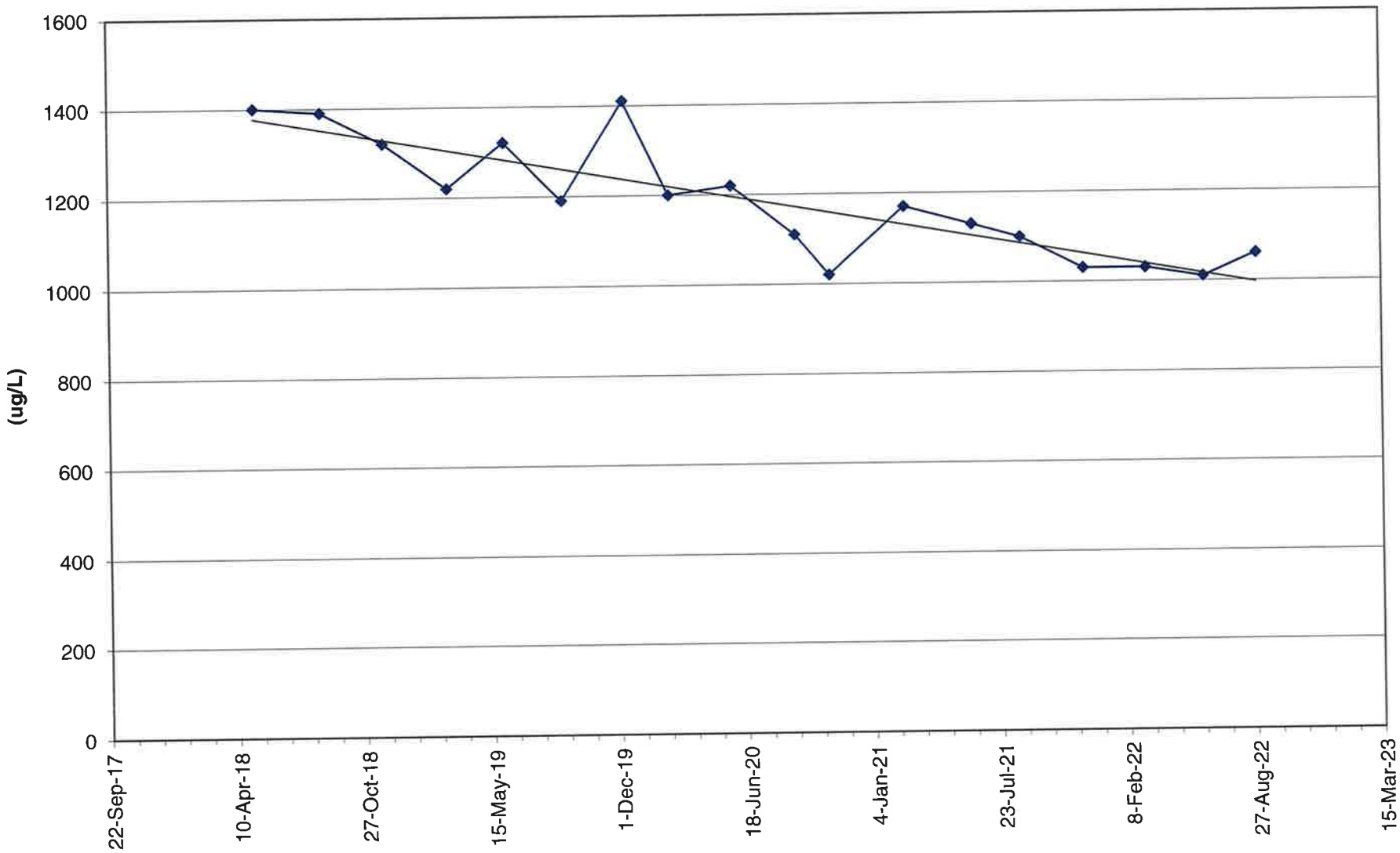
TW4-40	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
21-Mar-18	248	ND	ND	ND	3.08	35.7
14-Jun-18	131	ND	ND	ND	3.33	31.6
5-Sep-18	116	ND	ND	ND	3.22	37.6
13-Dec-18	118	ND	ND	ND	3.54	29.9
20-Mar-19	111	ND	ND	ND	3.18	30.9
5-Jun-19	263	ND	ND	ND	3.55	35.6
4-Sep-19	380	ND	ND	ND	3.39	35.9
10-Dec-19	314	ND	ND	ND	2.89	36.7
19-Feb-20	364	ND	ND	ND	2.98	38.5
27-May-20	367	ND	ND	ND	2.91	36.5
4-Sep-20	333	ND	ND	ND	2.88	34.2
28-Oct-20	264	ND	ND	ND	2.58	34.6
23-Feb-21	436	ND	3.51	ND	2.43	36.0
9-Jun-21	343	ND	ND	ND	3.77	27.5
24-Aug-21	301	ND	1.32	ND	1.50	31.8
1-Dec-21	286	ND	ND	ND	2.60	38.4
9-Mar-22	238	ND	ND	ND	2.5	38.4
8-Jun-22	323	ND	ND	ND	1.9	36.6
30-Aug-22	302	ND	ND	ND	2.22	39.3

TW4-40 Chloroform Values



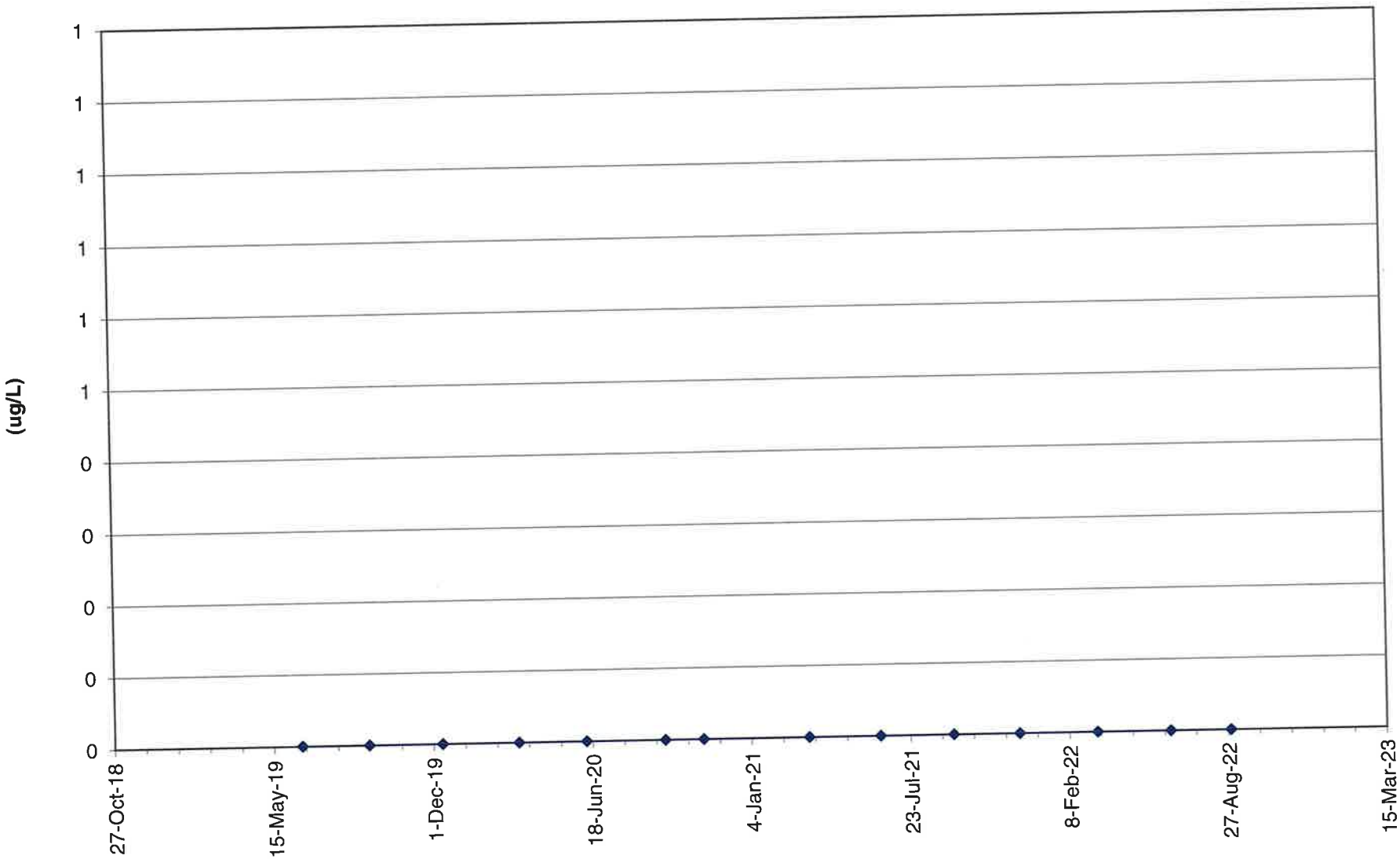
TW4-41	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
9-May-18	1400	ND	ND	ND	6.54	42.8
22-Aug-18	1390	ND	ND	ND	6.13	45.5
28-Nov-18	1320	ND	ND	ND	6.02	41.4
8-Mar-19	1220	ND	ND	ND	6.71	39.1
5-Jun-19	1320	ND	ND	ND	6.00	38.9
4-Sep-19	1190	ND	ND	ND	6.22	39.4
10-Dec-19	1410	ND	ND	ND	6.11	42.1
19-Feb-20	1200	ND	ND	ND	6.12	44.4
27-May-20	1220	ND	ND	ND	6.78	41.7
4-Sep-20	1110	ND	ND	ND	6.69	40.2
28-Oct-20	1020	ND	ND	ND	6.25	39.7
23-Feb-21	1170	ND	ND	ND	6.41	40.6
9-Jun-21	1130	ND	ND	ND	7.45	39.3
24-Aug-21	1100	ND	ND	ND	3.77	37.1
1-Dec-21	1030	ND	ND	ND	6.72	43.2
9-Mar-22	1030	ND	ND	ND	6.2	37.3
8-Jun-22	1010	ND	ND	ND	6.0	41.1
30-Aug-22	1060	ND	ND	ND	5.92	41.9

TW4-41 Chloroform Values



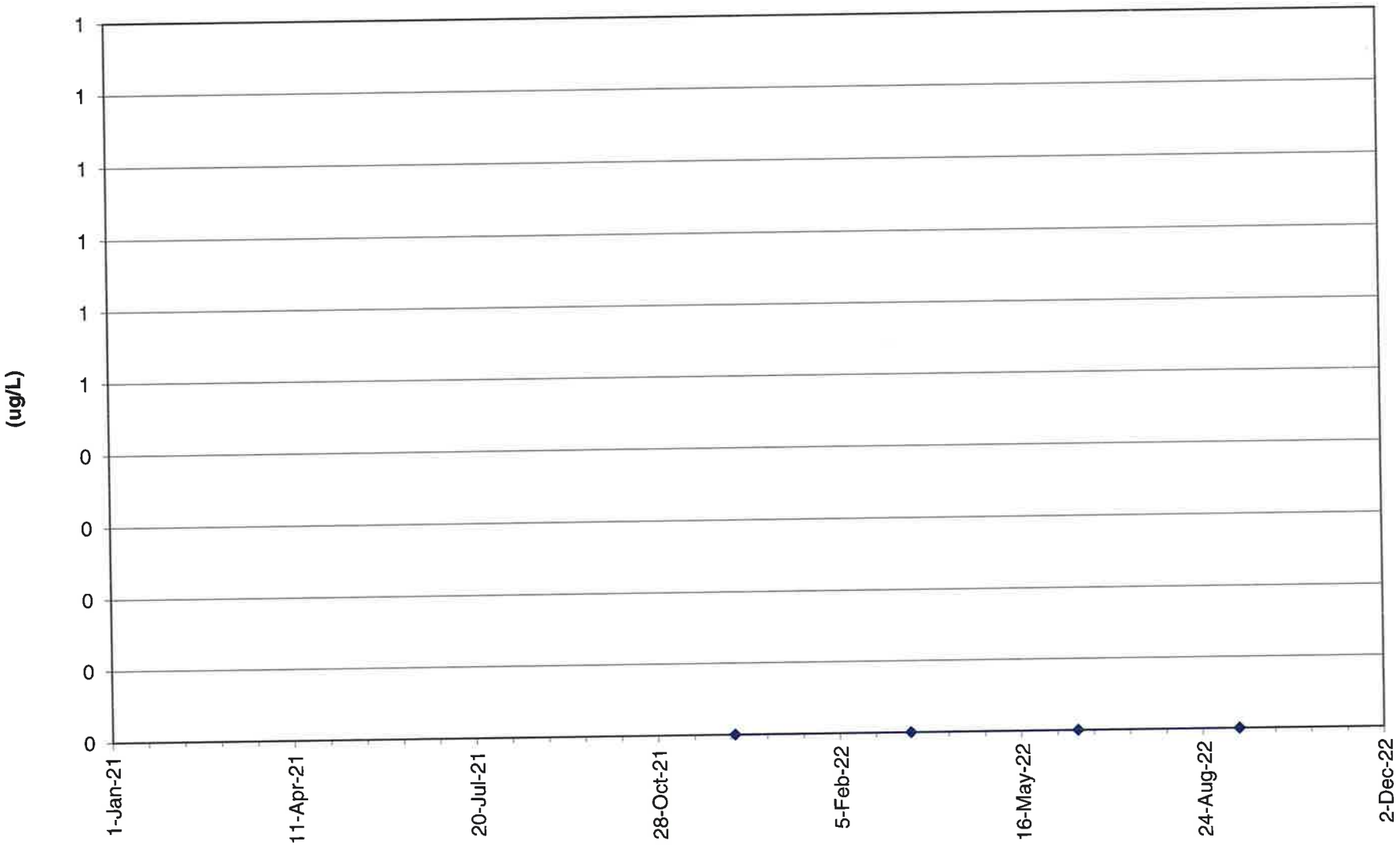
TW4-42	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
19-Jun-19	ND	ND	ND	ND	2.57	23.3
11-Sep-19	ND	ND	ND	ND	2.75	20.6
12-Dec-19	ND	ND	ND	ND	2.82	22.6
17-Mar-20	ND	ND	ND	ND	2.88	23.2
10-Jun-20	ND	ND	ND	ND	3.23	23.1
17-Sep-20	ND	ND	ND	ND	3.65	23.5
4-Nov-20	ND	ND	ND	ND	2.77	22.4
17-Mar-21	ND	ND	ND	ND	3.15	24.2
15-Jun-21	ND	ND	ND	ND	3.57	24.6
15-Sep-21	ND	ND	ND	ND	3.26	16.6
7-Dec-21	ND	ND	ND	ND	2.02	24.2
15-Mar-22	ND	ND	ND	ND	2.5	21.5
15-Jun-22	ND	ND	ND	ND	3.3	24.0
30-Aug-22	ND	ND	ND	ND	3.03	22.8

TW4-42 Chloroform Values



TW4-43	Chloroform (ug/l)	Carbon Tetrachloride (ug/l)	Chloromethane (ug/l)	Methylene Chloride (ug/l)	Nitrate (mg/l)	Chloride (mg/l)
9-Dec-21	ND	ND	ND	ND	0.118	40.6
16-Mar-22	ND	ND	ND	ND	0.4	39.2
16-Jun-22	ND	ND	ND	ND	0.24	41.8
13-Sep-22	ND	ND	ND	ND	0.383	43.1

TW4-43 Chloroform Values



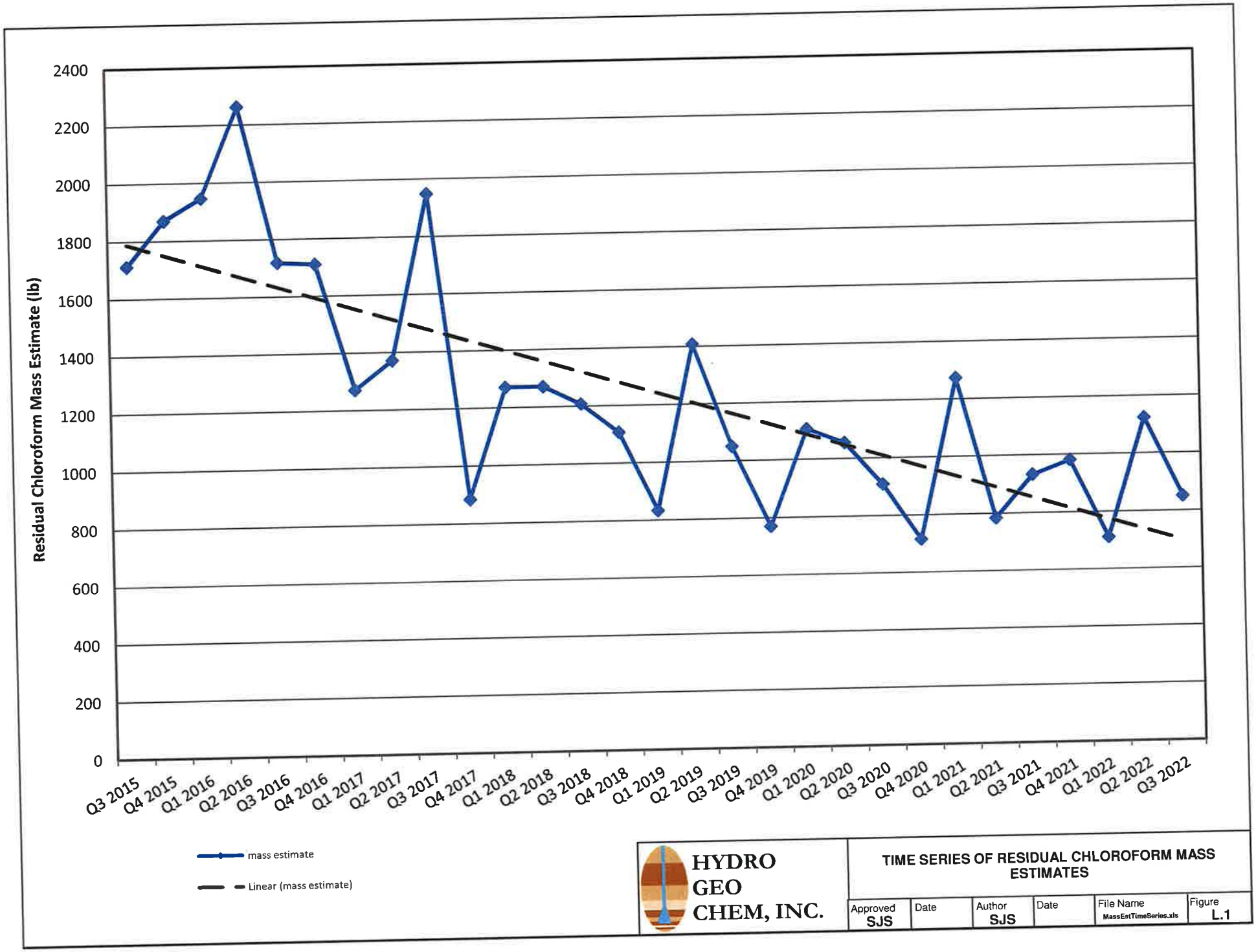
Tab L

Contour Map Based Chloroform Plume Mass Calculations and Data over Time

TABLE L.1
Chloroform Plume Residual Mass
Since Third Quarter 2015

Quarter	Residual Plume Mass (lbs)
Q3 15	1712
Q4 15	1869
Q1 16	1946
Q2 16	2261
Q3 16	1718
Q4 16	1711
Q1 17	1271
Q2 17	1372
Q3 17	1948
Q4 17	884
Q1 18	1271
Q2 18	1271
Q3 18	1208
Q4 18	1107
Q1 19	833
Q2 19	1408
Q3 19	1050
Q4 19	770
Q1 20	1106
Q2 20	1056
Q3 20	909
Q4 20	715
Q1 21	1273
Q2 21	784
Q3 21	933
Q4 21	981
Q1 22	711
Q2 22	1124
Q3 22	850

Notes:
lbs = pounds



HYDRO GEO CHEM, INC.

TIME SERIES OF RESIDUAL CHLOROFORM MASS ESTIMATES

Approved	Date	Author	Date	File Name	Figure
SJS		SJS		MassEstTimeSeries.xls	L.1

H:\718000\nov22\chloroform\masscalc\FL.1_resid_chl_mass_3Q22.xls: FL.1 Resid CHL Mass

CHLOROFORM RESIDUAL MASS ESTIMATE DETAILS:

Chloroform Data File: CHL_SurferInput_Q3_22.xls

Gridding details:

1) **kriging parameters:** SURFER™ default parameters (point kriging, linear variogram, slope = 1, no anisotropy [anisotropy = 1], no search constraints [all data used])
2) **min x, max x (UTME[m]):** 631900, 633043
3) **min y, may y (UTMN[m]):** 4154240, 4155550.64
4) **grid spacing in x, y (m):** 15.24, 15.24
5) **artificial or pseudo-data:** none
6) **Q2, 2022 (previous quarter) data used at wells:** MW-1, MW-2, MW-3A, MW-5, MW-12, MW-15, MW-17 through MW-20, MW-22, MW-23, MW-27 through MW-29, MW-35, MW-37 (all non-detect).

Chloroform residual mass estimate kriged grid files (ascii format):

Ucm3Q22wl.grd: third quarter, 2022 Water Level Grid (ft amsl)

Ucm3Q22bb.grd: third quarter, 2022 Aquifer Base Grid (ft amsl)

Ucm3Q22sat.grd: third quarter, 2022 Saturated Thickness Grid (ft)

Ucm3Q22logchl.grd: third quarter, 2022 log of chloroform grid (log of ug/L)

Ucm3Q22chl.grd: third quarter, 2022 Chloroform Concentration Grid (ug/L)

Ucm3Q22ge70.grd: third quarter, 2022 Chloroform Concentration GE 70 Grid (ug/L)

Ucm3Q22volm3.grd: third quarter, 2022 Groundwater Volume Grid (m^3)

Ucm3Q22masslb.grd: third quarter, 2022 Chloroform Plume Mass Grid (lb)

Chloroform residual mass estimate kriged grid XYZ files (ascii format):

Ucm3Q22wl.dat: third quarter, 2022 Water Level Grid XYZ file (ft amsl)

Ucm3Q22bb.dat: third quarter, 2022 top of Aquifer Base Grid XYZ file (ft amsl)

Ucm3Q22sat.dat: third quarter, 2022 Saturated Thickness Grid XYZ file (ft)

Ucm3Q22logchl.dat: third quarter, 2022 log of chloroform grid XYZ file (log of ug/L)

Ucm3Q22chl.dat: third quarter, 2022 Chloroform Concentration Grid XYZ file (ug/L)

Ucm3Q22ge70.dat: third quarter, 2022 Chloroform Concentration GE 70 Grid (ug/L) XYZ file

Ucm3Q22volm3.dat: third quarter, 2022 Groundwater Volume Grid XYZ file (m^3)

Ucm3Q22masslb.dat: third quarter, 2022 Chloroform Plume Mass Grid XYZ file (lb)

Chloroform plume mass estimate file: Ucm3Q22result.xls

Tab M

CSV Transmittal Letter

Jordan Christine App

From: Jordan Christine App
Sent: Monday, November 21, 2022 8:48 AM
To: Phillip Goble
Cc: 'Dean Henderson'; David Frydenlund; Dawn Kolkman; Scott Bakken; Garrin Palmer; Logan Shumway; Kathy Weinel
Subject: Transmittal of CSV Files White Mesa Mill 2022 Q3 Chloroform Monitoring
Attachments: 22I0046 FINAL EnergyFuels-Client 22 Sep 22 1400.xls; 22I1410 FINAL EnergyFuels-Client 29 Sep 22 1801.xls; Q3 2022 Chloroform Field Data.csv; DTW All Programs Q3 2022.csv

Dear Mr. Goble,

Attached to this e-mail is an electronic copy of laboratory results for chloroform monitoring conducted at the White Mesa Mill during the third quarter of 2022, in Comma Separated Value (CSV) format.

Other electronic files required by the Corrective Action Plan are included on the CDs included with the hard copy reports.

Please contact me at 303-389-4131 if you have any questions on this transmittal.

Yours Truly

Jordan C. App

Energy Fuels Resources (USA) Inc.

Jordan Christine App
Environmental Scientist

joapp@energyfuels.com

http://www.energyfuels.com

Tab N

Exceedance Notices for the Reporting Period

This attachment has been deliberately left blank.

ID	UTM NAD83 E	UTM NAD83 N	Q3 chl	log chl
MW-01	632048.762	4156277.343	0.5	-0.69315
MW-02	631111.458	4155147.645	0.5	-0.69315
MW-3A	631188	4153701	0.5	-0.69315
MW-04	632528.239	4154843.595	1200	7.090077
MW-05	631487.143	4154685.998	0.5	-0.69315
MW-11	631884.320	4154613.567	0.5	-0.69315
MW-12	631227.666	4154732.958	0.5	-0.69315
MW-14	631683.028	4154278.148	0.5	-0.69315
MW-15	631500.674	4154305.536	0.5	-0.69315
MW-17	631911.605	4154068.619	0.5	-0.69315
MW-18	632293.435	4156108.350	0.5	-0.69315
MW-19	632687.427	4155914.140	0.5	-0.69315
MW-20	631080.558	4153163.859	0.5	-0.69315
MW-22	632550.351	4152699.061	0.5	-0.69315
MW-23	631055.742	4154775.143	0.5	-0.69315
MW-24	631278.659	4155179.519	0.5	-0.69315
MW-25	632162.900	4154565.810	0.5	-0.69315
MW-27	632058.974	4155531.958	0.5	-0.69315
MW-28	631668.123	4155173.235	0.5	-0.69315
MW-29	631508.577	4154977.313	0.5	-0.69315
MW-30	631814.639	4154904.086	0.5	-0.69315
MW-31	632096.041	4154832.451	0.5	-0.69315
MW-33	631066.637	4154384.754		
MW-34	631289.321	4154343.279		
MW-35	631066.446	4154577.601	0.5	-0.69315
MW-36	631052.558	4154496.563	0.5	-0.69315
MW-37	631395.246	4154320.793	0.5	-0.69315
MW-38	631855.323	4153140.006	0.5	-0.69315
MW-39	632220.670	4153395.504	0.5	-0.69315
MW-40	632565.648	4153638.305	0.5	-0.69315
TW4-01	632520.433	4154799.077	954	6.860664
TW4-02	632528.370	4154876.070	832	6.723832
TW4-03	632529.958	4155043.522	0.5	-0.69315
TW4-04	632536.308	4154716.526	1040	6.946976
TW4-05	632510.114	4155144.358	13.2	2.580217
TW4-06	632522.020	4154641.120	3.9	1.360977
TW4-07	632514.876	4154837.177	887	6.787845
TW4-08	632563.295	4154833.208	15.3	2.727853
TW4-09	632514.876	4155095.960	10.8	2.379546
TW4-10	632447.407	4155045.933	563	6.33328
TW4-11	632452.964	4154913.377	3020	8.013012

TW4-12	632677.595	4155051.490	0.5	-0.69315
TW4-13	632653.783	4154905.439	0.5	-0.69315
TW4-14	632658.545	4154695.889	1.1	0.09531
MW-26	632333.661	4155062.031	612	6.416732
TW4-16	632313.263	4154921.314	138	4.927254
MW-32	632310.150	4154786.287	0.5	-0.69315
TW4-18	632486.301	4155193.571	60.6	4.104295
TW4-19	632348.982	4155189.602	4750	8.4659
TW4-20	632306.120	4155155.471		
TW4-21	632354.538	4155286.440	1070	6.975414
TW4-22	632198.963	4155172.934	3190	8.067776
TW4-23	632383.895	4154586.902	0.5	-0.69315
TW4-24	632116.844	4155166.850	88.9	4.487512
TW4-25	632359.142	4155402.627	0.5	-0.69315
TW4-26	632518.845	4154554.601	930	6.835185
TW4-27	632674.000	4154604.000	4.3	1.458615
TW4-28	632742.000	4155021.000	0.5	-0.69315
TW4-29	632668.000	4154547.000	591	6.381816
TW4-30	632715.000	4154561.000	68.8	4.231204
TW4-31	632734.000	4154601.000	0.5	-0.69315
TW4-32	632808.000	4154983.000	0.5	-0.69315
TW4-33	632609.000	4154617.000	53.9	3.98713
TW4-34	632667.000	4154471.000	1.2	0.182322
TW4-35	632714.000	4154505.000	0.5	-0.69315
TW4-36	632674.000	4154828.000	0.5	-0.69315
TW4-37	632256.000	4155157.000	11600	9.35876
TW4-38	632584.643	4155087.571	0.5	-0.69315
TW4-39	632397.658	4155145.602	843	6.736967
TW4-40	632513.410	4154480.872	302	5.710427
TW4-41	632553.968	4154729.708	1060	6.966024
TW4-42	632524.19	4154418.44	0.5	-0.69315
TW4-43	632776.721	4154509.148	0.5	-0.69315

CHLOROFORM RESIDUAL MASS ESTIMATE DETAILS:

Chloroform Data File: CHL_SurferInput_Q3_22.xls

Gridding details:

1) **kriging parameters:** SURFER™ default parameters (point kriging, linear variogram, slope = 1, no anisotropy [anisotropy = 1], no search constraints [all data used])
2) **min x, max x (UTME[m]):** 631900, 633043
3) **min y, may y (UTMN[m]):** 4154240, 4155550.64
4) **grid spacing in x, y (m):** 15.24, 15.24
5) **artificial or pseudo-data:** none
6) **Q2, 2022 (previous quarter) data used at wells:** MW-1, MW-2, MW-3A, MW-5, MW-12, MW-15, MW-17 through MW-20, MW-22, MW-23, MW-27 through MW-29, MW-35, MW-37 (all non-detect).

Chloroform residual mass estimate kriged grid files (ascii format):

Ucm3Q22wl.grd: third quarter, 2022 Water Level Grid (ft amsl)

Ucm3Q22bb.grd: third quarter, 2022 Aquifer Base Grid (ft amsl)

Ucm3Q22sat.grd: third quarter, 2022 Saturated Thickness Grid (ft)

Ucm3Q22logchl.grd: third quarter, 2022 log of chloroform grid (log of ug/L)

Ucm3Q22chl.grd: third quarter, 2022 Chloroform Concentration Grid (ug/L)

Ucm3Q22ge70.grd: third quarter, 2022 Chloroform Concentration GE 70 Grid (ug/L)

Ucm3Q22volm3.grd: third quarter, 2022 Groundwater Volume Grid (m^3)

Ucm3Q22masslb.grd: third quarter, 2022 Chloroform Plume Mass Grid (lb)

Chloroform residual mass estimate kriged grid XYZ files (ascii format):

Ucm3Q22wl.dat: third quarter, 2022 Water Level Grid XYZ file (ft amsl)

Ucm3Q22bb.dat: third quarter, 2022 top of Aquifer Base Grid XYZ file (ft amsl)

Ucm3Q22sat.dat: third quarter, 2022 Saturated Thickness Grid XYZ file (ft)

Ucm3Q22logchl.dat: third quarter, 2022 log of chloroform grid XYZ file (log of ug/L)

Ucm3Q22chl.dat: third quarter, 2022 Chloroform Concentration Grid XYZ file (ug/L)

Ucm3Q22ge70.dat: third quarter, 2022 Chloroform Concentration GE 70 Grid (ug/L) XYZ file

Ucm3Q22volm3.dat: third quarter, 2022 Groundwater Volume Grid XYZ file (m^3)

Ucm3Q22masslb.dat: third quarter, 2022 Chloroform Plume Mass Grid XYZ file (lb)

Chloroform plume mass estimate file: Ucm3Q22result.xls

632265.8	4155154	10.80796
632250.5	4155154	10.77895
632265.8	4155170	10.49596
632250.5	4155170	9.897231
632281	4155170	9.135055
632281	4155154	8.59009
632265.8	4155185	8.489302
632281	4155185	8.351139
632265.8	4155139	7.904241
632296.2	4155185	7.819521
632296.2	4155170	7.718905
632250.5	4155185	7.619783
632250.5	4155139	7.554688
632311.5	4155185	7.344629
632235.3	4155154	7.240786
632235.3	4155170	7.214078
632326.7	4155185	6.997183
632296.2	4155200	6.953419
632311.5	4155200	6.883549
632281	4155200	6.873838
632281	4155139	6.860777
632311.5	4155170	6.777938
632296.2	4155154	6.756782
632326.7	4155200	6.708773
632342	4155185	6.595972
632265.8	4155200	6.464639
632342	4155200	6.250449
632326.7	4155170	6.20044
632235.3	4155185	5.927497
632235.3	4155139	5.768071
632311.5	4155215	5.705505
632296.2	4155139	5.61861
632250.5	4155200	5.593569
632326.7	4155215	5.592537
632311.5	4155154	5.589881
632296.2	4155215	5.562602
632342	4155170	5.410651
632265.8	4155124	5.348345
632281	4155215	5.222743
632342	4155215	5.056498
632250.5	4155124	5.042066
632326.7	4155154	5.035194
632357.2	4155185	5.010094
632281	4155124	4.974676
632220	4155170	4.938521
632357.2	4155200	4.829218
632220	4155154	4.795947

632265.8	4155215	4.676549
632311.5	4155139	4.672021
632235.3	4155200	4.403529
632311.5	4155231	4.331659
632326.7	4155231	4.321054
632296.2	4155124	4.305141
632342	4155154	4.249322
632220	4155185	4.232601
632357.2	4155170	4.129416
632235.3	4155124	4.103399
632296.2	4155231	4.097908
632357.2	4155215	4.001485
632326.7	4155139	3.990889
632220	4155139	3.974907
632342	4155231	3.946088
632250.5	4155215	3.935779
632281	4155231	3.711478
632311.5	4155124	3.647377
632265.8	4155109	3.603097
632281	4155109	3.472494
632250.5	4155109	3.376832
632204.8	4155170	3.338696
632342	4155139	3.312129
632357.2	4155154	3.268201
632265.8	4155231	3.219687
632220	4155200	3.199603
632357.2	4155231	3.199161
632326.7	4155246	3.177005
632372.4	4155185	3.152815
632372.4	4155200	3.1453
632296.2	4155109	3.115669
632235.3	4155215	3.090732
632204.8	4155154	3.084704
632326.7	4155124	3.082167
632311.5	4155246	3.0765
632342	4155246	3.004369
632220	4155124	2.993274
632204.8	4155185	2.85945
632235.3	4155109	2.833141
632296.2	4155246	2.819316
632372.4	4155215	2.784287
632372.4	4155170	2.771767
632311.5	4155109	2.694044
632250.5	4155231	2.660596
632357.2	4155139	2.589934
632204.8	4155139	2.583785
632342	4155124	2.568287

632357.2	4155246	2.502525
632281	4155246	2.4845
632265.8	4155093	2.455239
632281	4155093	2.410908
632326.7	4155109	2.303543
632372.4	4155231	2.302185
632250.5	4155093	2.293081
632372.4	4155154	2.287522
632220	4155215	2.270104
632342	4155261	2.230512
632326.7	4155261	2.217158
632296.2	4155093	2.20685
632204.8	4155200	2.166719
632220	4155109	2.15849
632265.8	4155246	2.113
632235.3	4155231	2.08534
632357.2	4155124	2.072533
632311.5	4155261	2.04487
632204.8	4155124	2.026307
632387.7	4155200	1.973952
632342	4155109	1.967992
632387.7	4155185	1.960574
632235.3	4155093	1.955786
632189.6	4155170	1.955675
632311.5	4155093	1.931227
632357.2	4155261	1.926818
632372.4	4155139	1.889102
632189.6	4155154	1.837574
632372.4	4155246	1.820378
632296.2	4155261	1.815461
632387.7	4155215	1.803069
632387.7	4155170	1.767898
632250.5	4155246	1.730505
632189.6	4155185	1.727464
632265.8	4155078	1.710163
632281	4155078	1.70297
632326.7	4155093	1.672402
632357.2	4155109	1.666991
632372.4	4155124	1.598815
632250.5	4155078	1.588893
632189.6	4155139	1.585416
632296.2	4155078	1.57947
632342	4155276	1.570524
632281	4155261	1.569471
632204.8	4155215	1.56709
632220	4155231	1.549909
632220	4155093	1.535202

632204.8	4155109	1.52581
632387.7	4155231	1.521498
632387.7	4155154	1.495712
632342	4155093	1.483453
632357.2	4155276	1.464156
632326.7	4155276	1.419447
632311.5	4155078	1.383751
632372.4	4155261	1.377775
632372.4	4155109	1.375372
632235.3	4155078	1.365553
632189.6	4155200	1.361214
632235.3	4155246	1.360897
632357.2	4155093	1.343007
632265.8	4155261	1.322671
632189.6	4155124	1.29622
632387.7	4155139	1.289909
632311.5	4155276	1.249304
632281	4155063	1.245582
632402.9	4155200	1.229643
632265.8	4155063	1.227267
632402.9	4155185	1.223691
632387.7	4155246	1.200998
632372.4	4155093	1.198004
632326.7	4155078	1.188893
632509.6	4154865	1.18462
632296.2	4155063	1.179927
632387.7	4155124	1.177383
632509.6	4154880	1.174871
632402.9	4155215	1.133338
632250.5	4155063	1.127814
632204.8	4155093	1.125029
632402.9	4155170	1.124059
632342	4155078	1.102339
632204.8	4155231	1.095823
632357.2	4155078	1.094736
632220	4155078	1.092449
632387.7	4155109	1.090288
632296.2	4155276	1.086976
632250.5	4155261	1.08379
632494.4	4154880	1.075455
632372.4	4155078	1.064495
632524.8	4154880	1.054881
632174.3	4155170	1.047557
632311.5	4155063	1.045804
632220	4155246	1.026874
632494.4	4154865	1.026393
632174.3	4155154	1.025893

632387.7	4155093	1.025195
632524.8	4154865	1.024883
632189.6	4155215	1.022624
632189.6	4155109	1.019821
632387.7	4155078	0.983769
632372.4	4155063	0.979296
632402.9	4155154	0.974207
632235.3	4155063	0.968912
632372.4	4155276	0.964207
632387.7	4155063	0.963231
632174.3	4155185	0.962025
632402.9	4155231	0.962005
632387.7	4155048	0.953902
632281	4155048	0.950991
632387.7	4155032	0.943296
632372.4	4155048	0.939061
632357.2	4155063	0.938984
632296.2	4155048	0.937724
632281	4155276	0.934173
632174.3	4155139	0.928397
632387.7	4155017	0.925869
632372.4	4155032	0.924148
632402.9	4155048	0.919055
632402.9	4155032	0.913874
632372.4	4155017	0.913751
632265.8	4155048	0.909852
632387.7	4155002	0.904202
632372.4	4155002	0.897656
632402.9	4155063	0.891695
632342	4155292	0.888963
632402.9	4155017	0.883924
632387.7	4155261	0.882975
632357.2	4155048	0.881914
632387.7	4154987	0.880973
632311.5	4155048	0.87852
632357.2	4155292	0.877331
632357.2	4155032	0.872846
632372.4	4154987	0.872161
632402.9	4155139	0.870693
632326.7	4155063	0.869932
632357.2	4155017	0.868058
632494.4	4154895	0.864255
632479.1	4154880	0.861291
632235.3	4155261	0.860976
632387.7	4154972	0.853199
632402.9	4155078	0.853171
632357.2	4155002	0.852507

632402.9	4155002	0.852025
632342	4155063	0.848954
632402.9	4155124	0.840178
632418.2	4155048	0.837774
632372.4	4154972	0.833417
632402.9	4154987	0.830142
632418.2	4155032	0.828395
632402.9	4155093	0.827576
632402.9	4155109	0.82396
632204.8	4155078	0.822338
632357.2	4154987	0.822189
632250.5	4155048	0.820507
632342	4155032	0.817677
632402.9	4154972	0.815745
632387.7	4154956	0.811933
632342	4155017	0.811574
632342	4155048	0.811036
632174.3	4155200	0.807622
632326.7	4155048	0.807531
632479.1	4154865	0.805969
632509.6	4154850	0.804112
632509.6	4154895	0.796917
632402.9	4154956	0.796863
632174.3	4155124	0.796069
632265.8	4155276	0.789887
632326.7	4155032	0.789598
632342	4155002	0.788534
632311.5	4155032	0.788008
632296.2	4155032	0.783138
632220	4155063	0.78276
632189.6	4155093	0.781998
632326.7	4155292	0.781041
632524.8	4154850	0.779494
632372.4	4154956	0.774882
632357.2	4154972	0.774736
632418.2	4155017	0.773518
632418.2	4155185	0.770104
632418.2	4155063	0.769487
632418.2	4155200	0.768806
632326.7	4155017	0.760766
632402.9	4154941	0.757665
632402.9	4155246	0.75514
632281	4155032	0.753567
632494.4	4154850	0.751443
632342	4154987	0.74916
632479.1	4154895	0.748466
632387.7	4154941	0.745951

632204.8	4155246	0.74502
632189.6	4155231	0.741834
632418.2	4155002	0.729505
632418.2	4155170	0.720978
632433.4	4155048	0.720374
632326.7	4155002	0.71888
632311.5	4155017	0.71679
632418.2	4154956	0.71676
632418.2	4154972	0.71326
632418.2	4154987	0.711834
632418.2	4155215	0.707698
632357.2	4154956	0.706391
632418.2	4154941	0.700199
632235.3	4155048	0.699161
632342	4154972	0.694062
632265.8	4155032	0.693942
632372.4	4154941	0.689477
632402.9	4154926	0.686725
632311.5	4155292	0.685514
632418.2	4155078	0.680972
632433.4	4155032	0.678613
632296.2	4155017	0.669633
632326.7	4154987	0.665395
632220	4155261	0.662311
632174.3	4155109	0.655674
632250.5	4155276	0.654213
632418.2	4155154	0.65145
632418.2	4154926	0.649027
632387.7	4154926	0.648869
632311.5	4155002	0.647954
632174.3	4155215	0.639878
632479.1	4154850	0.630186
632463.9	4154880	0.625644
632342	4154956	0.622507
632418.2	4155093	0.617315
632357.2	4154941	0.612946
632281	4155017	0.610907
632250.5	4155032	0.609723
632463.9	4154865	0.603509
632326.7	4154972	0.602137
632296.2	4155292	0.601107
632204.8	4155063	0.5999
632418.2	4155231	0.59951
632418.2	4155139	0.599409
632433.4	4155063	0.596558
632189.6	4155078	0.590014
632433.4	4155017	0.589896

632387.7	4155276	0.587829
632402.9	4154911	0.585678
632418.2	4155109	0.584944
632433.4	4154956	0.583953
632494.4	4154911	0.582811
632418.2	4155124	0.579356
632311.5	4154987	0.577598
632372.4	4154926	0.575883
632418.2	4154911	0.575796
632296.2	4155002	0.574953
632433.4	4154941	0.574126
632220	4155048	0.565817
632159.1	4155170	0.564224
632159.1	4155154	0.563352
632433.4	4154972	0.561203
632479.1	4154911	0.559856
632372.4	4155292	0.552759
632524.8	4154895	0.550154
632402.9	4155261	0.546079
632433.4	4155002	0.545633
632433.4	4154987	0.541192
632265.8	4155017	0.539447
632159.1	4155139	0.532116
632342	4154941	0.532057
632448.6	4155048	0.531912
632159.1	4155185	0.530921
632326.7	4154956	0.530553
632235.3	4155276	0.528924
632387.7	4154911	0.526426
632174.3	4155093	0.523787
632281	4155292	0.523766
632189.6	4155246	0.522489
632235.3	4155032	0.511847
632311.5	4154972	0.505568
632281	4155002	0.499256
632418.2	4154895	0.498346
632433.4	4154926	0.496288
632463.9	4154895	0.494971
632357.2	4154926	0.494935
632463.9	4154850	0.494326
632204.8	4155261	0.493965
632296.2	4154987	0.489974
632433.4	4155185	0.486855
632174.3	4155231	0.486285
632433.4	4155200	0.484913
632448.6	4154880	0.483537
632433.4	4155078	0.479942

632494.4	4154834	0.479683
632159.1	4155124	0.478675
632159.1	4155200	0.469231
632402.9	4154895	0.468317
632418.2	4155246	0.46817
632448.6	4154865	0.46666
632509.6	4154911	0.46299
632250.5	4155017	0.459689
632433.4	4155170	0.457771
632326.7	4154941	0.450908
632265.8	4155292	0.450889
632479.1	4154834	0.445552
632372.4	4154911	0.444838
632433.4	4155215	0.444439
632433.4	4154895	0.443617
632433.4	4154880	0.443187
632189.6	4155063	0.44077
632448.6	4154941	0.438768
632448.6	4154956	0.438377
632204.8	4155048	0.438027
632311.5	4154956	0.43295
632448.6	4155032	0.429015
632265.8	4155002	0.422688
632342	4154926	0.420415
632433.4	4154911	0.420182
632433.4	4155154	0.417818
632220	4155276	0.416751
632509.6	4154834	0.414099
632159.1	4155109	0.412705
632433.4	4155093	0.412505
632220	4155032	0.412166
632418.2	4154880	0.411411
632479.1	4154926	0.411246
632296.2	4154972	0.411214
632174.3	4155078	0.408998
632281	4154987	0.406404
632387.7	4154895	0.396309
632448.6	4154972	0.39614
632159.1	4155215	0.392453
632433.4	4155139	0.386354
632540.1	4154880	0.38598
632448.6	4154850	0.384598
632433.4	4154865	0.384571
632250.5	4155292	0.381592
632433.4	4155109	0.38027
632235.3	4155017	0.378316
632342	4155307	0.376819

632540.1	4154865	0.375025
632433.4	4155231	0.374353
632433.4	4155124	0.372938
632463.9	4154834	0.369668
632357.2	4154911	0.36515
632326.7	4155307	0.364752
632494.4	4154926	0.363503
632448.6	4155063	0.362311
632463.9	4154941	0.361882
632311.5	4154941	0.361363
632448.6	4155017	0.359109
632402.9	4155276	0.358957
632189.6	4155261	0.358585
632524.8	4154834	0.357978
632448.6	4154987	0.357889
632326.7	4154926	0.357475
632174.3	4155246	0.357243
632448.6	4154895	0.353847
632402.9	4154880	0.351615
632250.5	4155002	0.348638
632159.1	4155093	0.343401
632448.6	4155002	0.341647
632387.7	4155292	0.339126
632357.2	4155307	0.338928
632311.5	4155307	0.337979
632296.2	4154956	0.337389
632418.2	4155261	0.336812
632463.9	4154926	0.33119
632265.8	4154987	0.330249
632189.6	4155048	0.32717
632281	4154972	0.326221
632204.8	4155276	0.320198
632204.8	4155032	0.320193
632418.2	4154865	0.317727
632372.4	4154895	0.316696
632235.3	4155292	0.316381
632494.4	4154819	0.315574
632174.3	4155063	0.314001
632463.9	4154956	0.31381
632159.1	4155231	0.31341
632143.8	4155154	0.310643
632448.6	4155200	0.309575
632479.1	4154819	0.309448
632296.2	4155307	0.308458
632448.6	4155185	0.308146
632143.8	4155170	0.30668
632143.8	4155139	0.305593

632220	4155017	0.301596
632479.1	4154941	0.301312
632433.4	4154850	0.301269
632342	4154911	0.297067
632143.8	4155185	0.296015
632311.5	4154926	0.292272
632448.6	4154834	0.29118
632433.4	4155246	0.291133
632524.8	4154911	0.289093
632143.8	4155124	0.287732
632448.6	4154926	0.284183
632448.6	4155170	0.283682
632448.6	4155215	0.28212
632463.9	4154911	0.280959
632235.3	4155002	0.280492
632448.6	4155078	0.279496
632387.7	4154880	0.278367
632281	4155307	0.278261
632159.1	4155078	0.277627
632143.8	4155200	0.274199
632509.6	4154819	0.269094
632296.2	4154941	0.267496
632463.9	4154819	0.266877
632250.5	4154987	0.263581
632143.8	4155109	0.258874
632509.6	4154926	0.257965
632540.1	4154850	0.257773
632220	4155292	0.256556
632281	4154956	0.255507
632174.3	4155261	0.254986
632265.8	4154972	0.254643
632463.9	4154972	0.253359
632448.6	4155154	0.25333
632372.4	4155307	0.250139
632402.9	4154865	0.249449
632540.1	4154895	0.247809
632265.8	4155307	0.247465
632357.2	4154895	0.245988
632189.6	4155032	0.241611
632326.7	4154911	0.24129
632143.8	4155215	0.241128
632159.1	4155246	0.240781
632189.6	4155276	0.24057
632448.6	4155093	0.23934
632174.3	4155048	0.237956
632448.6	4155231	0.235505
632204.8	4155017	0.233928

632418.2	4154850	0.231157
632448.6	4155139	0.230199
632524.8	4154545	0.227686
632143.8	4155093	0.223707
632418.2	4155276	0.222432
632448.6	4155109	0.221811
632494.4	4154941	0.221611
632433.4	4154834	0.221452
632220	4155002	0.220666
632479.1	4154804	0.219496
632448.6	4155124	0.219378
632159.1	4155063	0.219342
632494.4	4154804	0.21675
632250.5	4155307	0.216216
632479.1	4154956	0.213436
632402.9	4155292	0.211633
632448.6	4154819	0.211599
632433.4	4155261	0.209761
632372.4	4154880	0.209594
632235.3	4154987	0.20711
632463.9	4154987	0.20572
632204.8	4155292	0.203537
632143.8	4155231	0.201832
632463.9	4155200	0.200848
632296.2	4154926	0.198363
632524.8	4154530	0.197539
632250.5	4154972	0.196827
632463.9	4155185	0.195376
632281	4154941	0.19238
632463.9	4154804	0.192254
632509.6	4154545	0.191927
632265.8	4154956	0.191675
632342	4154895	0.188787
632311.5	4154911	0.186949
632143.8	4155078	0.18689
632235.3	4155307	0.185129
632387.7	4154865	0.184736
632524.8	4154819	0.183834
632448.6	4155246	0.18251
632463.9	4155215	0.180417
632128.6	4155139	0.180103
632159.1	4155261	0.179061
632174.3	4155032	0.178398
632524.8	4154560	0.178127
632174.3	4155276	0.177586
632189.6	4155017	0.177462
632128.6	4155124	0.176516

632463.9	4155002	0.176413
632509.6	4154530	0.175166
632509.6	4154804	0.175079
632128.6	4155154	0.174769
632463.9	4155048	0.173283
632463.9	4155032	0.171159
632204.8	4155002	0.17031
632159.1	4155048	0.170095
632463.9	4155170	0.169844
632128.6	4155185	0.169709
632402.9	4154850	0.169251
632387.7	4155307	0.168958
632128.6	4155170	0.168595
632540.1	4154545	0.167108
632463.9	4155017	0.165651
632128.6	4155200	0.164799
632128.6	4155109	0.164524
632524.8	4154514	0.163569
632143.8	4155246	0.161885
632540.1	4154530	0.161601
632418.2	4154834	0.161333
632479.1	4154789	0.161262
632220	4154987	0.160571
632494.4	4154789	0.158362
632189.6	4155292	0.158319
632433.4	4154819	0.157282
632326.7	4155322	0.155312
632220	4155307	0.15517
632311.5	4155322	0.154639
632524.8	4154926	0.153654
632357.2	4154880	0.153582
632509.6	4154514	0.152506
632143.8	4155063	0.151839
632448.6	4154804	0.151592
632128.6	4155215	0.151262
632235.3	4154972	0.151167
632463.9	4155063	0.150536
632296.2	4155322	0.149756
632479.1	4154972	0.148796
632463.9	4155231	0.148531
632342	4155322	0.148411
632128.6	4155093	0.146767
632509.6	4154560	0.145892
632662	4154545	0.144003
632250.5	4154956	0.143816
632463.9	4155154	0.143715
632326.7	4154895	0.143376

632509.6	4154941	0.142329
632281	4155322	0.142039
632540.1	4154911	0.141836
632433.4	4155276	0.14027
632463.9	4154789	0.140062
632265.8	4154941	0.139063
632418.2	4155292	0.134715
632494.4	4154956	0.134401
632174.3	4155017	0.132426
632448.6	4155261	0.132252
632540.1	4154834	0.132082
632265.8	4155322	0.131995
632479.1	4155200	0.131904
632128.6	4155231	0.131773
632509.6	4154499	0.131442
632540.1	4154514	0.131167
632372.4	4154865	0.13094
632463.9	4155078	0.130565
632357.2	4155322	0.130067
632159.1	4155032	0.129857
632159.1	4155276	0.129592
632189.6	4155002	0.129452
632524.8	4154499	0.129168
632204.8	4155307	0.127383
632540.1	4154560	0.126877
632494.4	4154773	0.12661
632128.6	4155078	0.126163
632463.9	4155139	0.125953
632509.6	4154789	0.125379
632143.8	4155261	0.125275
632204.8	4154987	0.123112
632479.1	4155185	0.123008
632479.1	4154773	0.122939
632174.3	4155292	0.121189
632143.8	4155048	0.120543
632463.9	4155093	0.120257
632250.5	4155322	0.120031
632555.3	4154728	0.1184
632387.7	4154850	0.117723
632524.8	4154804	0.117696
632463.9	4155124	0.117523
632555.3	4154545	0.116761
632463.9	4155109	0.116227
632555.3	4154530	0.115674
632463.9	4155246	0.114943
632402.9	4155307	0.112575
632113.4	4155124	0.112569

632113.4	4155139	0.112331
632402.9	4154834	0.111595
632494.4	4154530	0.111396
632342	4154880	0.111262
632509.6	4154773	0.110355
632433.4	4154804	0.110157
632418.2	4154819	0.110115
632128.6	4155246	0.109759
632448.6	4154789	0.108474
632509.6	4154484	0.107479
632113.4	4155109	0.107337
632540.1	4154743	0.10685
632235.3	4155322	0.106707
632540.1	4154728	0.106577
632494.4	4154758	0.106478
632494.4	4154545	0.106385
632113.4	4155154	0.106146
632479.1	4154987	0.105229
632128.6	4155063	0.105135
632509.6	4154758	0.104833
632113.4	4155185	0.104537
632113.4	4155200	0.104286
632555.3	4154880	0.104231
632372.4	4155322	0.103205
632463.9	4154773	0.103205
632189.6	4155307	0.102623
632494.4	4154514	0.102028
632524.8	4154743	0.101872
632113.4	4155170	0.099446
632113.4	4155215	0.098345
632509.6	4154743	0.098066
632113.4	4155093	0.097987
632524.8	4154758	0.096169
632555.3	4154743	0.096067
632479.1	4154758	0.095323
632524.8	4154728	0.094377
632143.8	4155276	0.094111
632220	4155322	0.092741
632555.3	4154514	0.092177
632159.1	4155292	0.091728
632555.3	4154560	0.091621
632540.1	4154499	0.091189
632357.2	4154865	0.090534
632524.8	4154789	0.089479
632524.8	4154773	0.089262
632662	4154560	0.089141
632555.3	4154865	0.08883

632494.4	4154743	0.088253
632113.4	4155231	0.08818
632128.6	4155261	0.088041
632540.1	4154758	0.087622
632555.3	4154895	0.086743
632646.8	4154545	0.086446
632570.6	4154545	0.085389
632524.8	4154484	0.084265
632494.4	4154499	0.084072
632677.2	4154545	0.083269
632509.6	4154728	0.082871
632570.6	4154530	0.082755
632524.8	4154941	0.081814
632494.4	4154972	0.08161
632174.3	4155307	0.081392
632540.1	4154819	0.08048
632540.1	4154926	0.079142
632204.8	4155322	0.078892
632372.4	4154850	0.078612
632494.4	4154560	0.078574
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632555.3	4154712	0.063112

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