Annual Groundwater Monitoring Report for 2025

Mitigation Order on Consent Docket No. P-121-07
Cochise County, Arizona

Prepared for

Freeport Minerals Corporation
Copper Queen Branch
Bisbee, Arizona

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Certification

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1. Introduction

This annual report provides the results of groundwater monitoring activities conducted in calendar year 2025 for the Mitigation Plan (Clear Creek Associates, 2015a) submitted to Arizona Department of Environmental Quality (ADEQ) in March 2015. The Mitigation Plan was submitted pursuant to the Mitigation Order on Consent Docket No. P-121-07 (ADEQ, 2007) between ADEQ and Freeport Minerals Corporation Copper Queen Branch (CQB). ADEQ provided a conditional approval of the annual groundwater monitoring and groundwater monitoring report provisions of the Mitigation Plan (ADEQ, 2015).

1.1 Mitigation Plan

The Mitigation Plan describes the process being followed as the mitigation action[1] for a groundwater plume of sulfate in the vicinity of the Concentrator Tailing Storage Area (CTSA) near Naco, south of Bisbee, Arizona (Figure 1). The mitigation action addresses the potential for existing drinking water supplies to be affected[2] by sulfate. The mitigation action being implemented by CQB is Alternative 1C, which was identified as the recommended alternative by a Feasibility Study (Clear Creek Associates, 2014a) submitted to and approved by ADEQ (ADEQ, 2014). The mitigation action contains the following components:

- a water supply study to identify a potential alternate groundwater source for public water supply mitigation, if needed,
- expanded groundwater monitoring to track plume migration in the vicinity of public drinking water supplies in the Naco area and to document sulfate concentrations at the leading edge of the plume for the purposes of establishing sentinel wells with action levels that, if exceeded, would trigger a contingent mitigation action at a public supply, if needed,

[1] The term mitigation action encompasses all actions implemented under the Mitigation Plan. If a contingent mitigation measure is implemented or the implemented measures are changed due to adaptive management, then the term mitigation action encompasses the contingency or change.
[2] The terms "affect" and "affected", with reference to a drinking water supply, are defined for the purpose of the Mitigation Plan as indicating a water supply with an average sulfate concentration exceeding 250 milligrams per liter (mg/L) due to sulfate originating from the CTSA.

- long-term plume monitoring to monitor sulfate at public and private drinking water supplies, and to describe the groundwater flow system and large scale geometry of the plume over time, and
- annual review of Arizona Department of Water Resources (ADWR) well registry records to identify new drinking water supply wells within a mile of the plume.

The water supply study was completed and reported to ADEQ in 2016 (Clear Creek Associates, 2016). The expanded groundwater monitoring, long-term plume monitoring, and review of ADWR well registry records are ongoing programs.

1.2 Scope of Annual Groundwater Monitoring

The Mitigation Plan contains a Schedule for Long Term Plume Monitoring which identifies the wells and schedule for groundwater monitoring. The schedule is reviewed periodically and updated for the mitigation performance reviews prepared pursuant to the Mitigation Plan. The current schedule for monitoring is included in Table 1. All monitoring in 2025 was completed based on the schedule in the performance review for 2023 which was submitted in April, 2024 (Clear Creek Associates, 2024).

Table 2 summarizes the status of sampling in 2025. Figure 2 is a geologic map (Hayes and Landis, 1964) showing the monitoring area and identifying wells where the data reported herein have been collected. The well locations are identified by name on Figures 3 and 4.

Groundwater sampling and water level measurement for long-term plume monitoring were conducted by CQB and Clear Creek Associates personnel. The groundwater sampling and analysis methods for groundwater monitoring under the Mitigation Order are described in the Quality Assurance Project Plan contained in Appendix F of the Work Plan (Hydro Geo Chem [HGC], Inc., 2008a). Dissolved sulfate is the only constituent monitored. Appendices A and B contain field data forms and laboratory reports, respectively, for samples collected in 2025.

The Mitigation Plan describes the scope of the annual groundwater monitoring report as follows:

> "Groundwater monitoring reports will provide the water quality and water level data collected under the expanded groundwater monitoring … and long term plume monitoring … programs. The results of well drilling, installation, testing, and monitoring for expanded groundwater monitoring will be incorporated into the groundwater monitoring report as the wells are installed and data become

> available. The annual ADWR well records review … will also be provided in the groundwater monitoring report. The reporting period will be a calendar year (i.e., January 1 through December 31). The groundwater monitoring report will be submitted by March 31 of the year following the reporting period."

The primary objective of this annual groundwater monitoring report is to provide the water quality and water level data collected in 2025 for the long-term plume monitoring and expanded groundwater monitoring programs. As described by the Mitigation Plan, the annual groundwater monitoring reports transmit data to ADEQ with little interpretation. Analysis and evaluation of the monitoring data are provided in the mitigation performance review reports submitted to ADEQ under the Mitigation Plan (e.g. Clear Creek Associates, 2024).

1.3 Sources of Groundwater Monitoring Data in 2025

1.3.1 Long-Term Plume Monitoring

The long-term plume monitoring program monitors the sulfate concentration at public and private drinking water supplies, and monitors water levels and sulfate levels at a site-wide array of monitoring wells. The objectives of long-term plume monitoring are:

- determination of the sulfate concentration in drinking water supplies within one mile of the outer edge of the sulfate plume (i.e., the 250 mg/L sulfate concentration contour),
- identification of the plume margin for ongoing delineation of the plume extent and assessment of plume migration (plume edge monitoring),
- documentation of the sulfate concentrations in the plume and areas distal to the plume to monitor long-term concentration trends (regional monitoring), and
- measurement of water levels in the vicinity of the plume to document potentiometric conditions.

1.3.2 Expanded Groundwater Monitoring Program

The expanded groundwater monitoring program monitors the position of the plume in the immediate vicinity of the existing Arizona Water Company and Naco Water Company public drinking water supplies near Naco. Well installation and initial testing for the expanded

groundwater monitoring program were completed and reported to ADEQ in 2015 (Clear Creek Associates, 2015b).

Basin fill wells installed for the expanded groundwater monitoring program are BMO-2014-1BL, BMO-2014-1BU, BMO-2014-2BL, BMO-2014-2BU, BMO-2014-3BL, BMO-2014-3BU, BMO-2014-4B, BMO-2014-4BL, BMO-2015-1B, BMO-2015-1BL, BMO-2015-2B, and BMO 2015-2BL (Figure 4). These wells are sampled semi-annually. The results of sulfate and water level monitoring at the expanded groundwater monitoring program wells are included in this report.

1.4 ADWR Well Records Review

The ADWR well records review is conducted annually to identify new well registry records for wells within one mile of the edge of the plume. If a new drinking water supply well is identified within a mile of the plume, CQB offers to sample the well and adds it to the long-term plume monitoring schedule, if acceptable to the well owner. The review of ADWR well registry records is reported in the annual groundwater monitoring report to maintain a current list of drinking water supply wells in the vicinity of the plume for monitoring under the Mitigation Plan.

2. Groundwater Monitoring Results

2.1 Sulfate Data

Sulfate analytical results for 2025 are provided in Table 3. Historical analytical data collected for the Mitigation Order sampling are compiled in Appendix C. Sulfate concentration data collected prior to the Mitigation Order are summarized and evaluated in the Aquifer Characterization Report (Clear Creek Associates, 2010).

Water quality samples were collected from wells site-wide in the first and third quarters of 2025 (Table 1). Figures 5 and 6 are sulfate concentration contour maps for the first and third quarters of 2025. Figures 7 and 8 are sulfate concentration maps of the west edge of the plume in the first and third quarters of 2025. The sulfate concentration contouring on Figures 5 through 8 is based on the highest sulfate concentration measured at co-located wells and the most recent sample result at wells with multiple measurements during a quarter. The extent of the sulfate plume and the contours drawn on these figures are based on consideration of both historical and 2025 sulfate concentration data.

Figure 9 shows sulfate concentrations through time at public drinking water supply wells. The sulfate concentrations at the AWC wells were less than 80 mg/L in 2025, and less than the 150 mg/L temporary sulfate action level set in the Mitigation Plan for the AWC wellfield. Wells NWC-02 and NWC-06 had sulfate concentrations less than 10 mg/L in 2025. Sulfate concentrations at NWC-04 near Bisbee Junction, which is believed to be at the receding edge of the plume, ranged between 148 and 167 mg/L in 2025.

Figure 10 is a graph of sulfate concentrations over time in monitoring wells installed for the expanded groundwater monitoring program. Sulfate concentrations measured in the fourth quarter 2014 are not shown on Figure 10 because the data are anomalous compared to the next eight quarters of sampling, possibly due to incomplete well development prior to sampling. Sulfate concentrations are decreasing in four wells (BMO-2014-2BL, BMO-2014-3BU, BMO-2014-4BL, and BMO-2015-2B) and increasing at eight wells (BMO-2014-1BL, BMO-2014-1BU, BMO-2014-2BU, BMO-2014-3BL, BMO-2014-4B, BMO-2015-1B, BMO-2015-1BL, and BMO-2015-2BL). The rates of increase range from 0.04 mg/L per year in BMO-2014-3BL to 4.93 mg/L per year in BMO-2015-1BL based on trendlines for samples collected since 2015. The 2023 mitigation performance review (Clear Creek, 2024) includes analysis and discussion of sulfate concentrations at the front of the plume.

2.2 Water Elevation Data

Groundwater level data collected in 2025 are provided in Table 4. Historical water level data collected for the Mitigation Order sampling are compiled in Appendix C. Groundwater elevations were calculated using depth to water measurements made under static (non-pumping) conditions whenever possible.

Site-wide water level measurements are made in the first and third quarters of the year (Table 1). Figures 11 and 12 are site-wide groundwater elevation contour maps for the first and third quarters of 2025. Figures 13 and 14 are groundwater elevation contour maps for basin fill at the west edge of the plume in the first and third quarters of 2025. In Figures 11 through 14, the most recent depth to water measurement is used for contouring at wells with multiple measurements during a quarter. The contours drawn on these figures are based on consideration of 2025 data and historical water level trends.

Groundwater elevations over time for BMO monitor wells with screened intervals in basin fill are shown on Figure 15 for selected plume edge and regional monitoring wells (see Table 1 for well use), and on Figure 16 for expanded groundwater monitoring program wells. Groundwater elevations in plume edge and regional BMO monitor wells in basin fill decreased from 2008 through 2013, were relatively steady from 2013 to 2016, and declined from 2016 through 2025. Water elevations in expanded groundwater monitoring program wells show similar patterns of increase and decrease over time as do the plume edge and regional BMO monitor wells, including an annual pattern of low summer and high winter water elevations.

Figure 17 shows hydrographs for BMO monitor wells in bedrock. Groundwater elevations in BMO monitoring wells screened in bedrock show various patterns depending on the location and depth of the well. Water levels in bedrock wells beneath the basin fill tend to decline until 2013, stabilize from 2013 to 2016, and decline after 2016, similar to the basin fill wells. Water levels in shallow bedrock wells, such as BMO 2010-1M and BMO-2012-1M, near Bisbee Junction, increased in elevation from 2013 to 2016 and have been steady or declining since 2016. Section 4.2.3.2 of the Aquifer Characterization Report (Clear Creek Associates, 2010) has a detailed explanation of the different potentiometric systems in bedrock.

2.3 Quality Assurance/Quality Control

A data verification report is prepared for quality assurance and quality control purposes. The data verification report evaluates field and laboratory quality assurance data for acceptability in the

context of data quality objectives for groundwater monitoring identified in the Quality Assurance Project Plan. The data verification report for 2025 is in Appendix D. Based on the data verification review, the field measurements and analytical results collected in 2025 are of acceptable quality for use in monitoring activities conducted pursuant to the Mitigation Order.

2.4 Results of ADWR Well Records Review

Groundwater wells installed in Arizona are required to be registered with ADWR. Appendix E contains the ADWR well records review for 2025. The ADWR well records review was conducted using a version of the well records database downloaded on January 20, 2026. The review identified three new well records within 1.1 miles of the sulfate plume. The well registry numbers for the new records are 55-242869, 55-483165, and 55-301893.

The well record for 55-242869 was a Notice of Intent (NOI) to drill an exempt well. The NOI included a cadastral location within the sulfate plume; however, the well coordinates, well address, and Cochise County tax parcel information in the NOI were located in Douglas, Arizona, approximately 15 miles east. The well, if installed, is assumed to be outside the sulfate plume and the well will not be considered for Mitigation Order sampling.

The well record for 55-483165 was a Notice of Intent to Abandon (NOIA) for a previously unidentified exempt well located at Camp Naco on Newell Street, at the west end of the sulfate plume. Clear Creek will contact the City of Bisbee to confirm the abandonment in 2026.

The registry ID for 55-301893 was included in the downloaded well registry database and plots within 1.1 miles of the sulfate plume. The database lists an application date of January 9, 2026 and a cadastral location for an exempt well; however, no imaged record is available for the well. The WRD did not contain any information about the well owner, well address, usage, or drilling contractor. Clear Creek will attempt to verify the location and status of the well and its water use in 2026.

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Tables

CLEAR CREEK ASSOCIATES

TABLE 1
Groundwater Monitoring Schedule in 2025

Well Name	ADWR 55 Registry Number	Well Use	Monitoring Purpose	Semiannual Sampling First Quarter	Annual Sampling Third Quarter	Biennial Sampling Third Quarter of Odd Numbered Years
ANDERSON 396	613396	PNDW	RM	WLO	WLO	✓
ANDERSON 458	221458	PDWS	DWS (Mit)		✓	
ASLD 435	616435	STOCK	RM	WLO	WLO	
AWC-02	616586	PWS	DWS (>2000)	✓	✓	
AWC-03	616585	PWS	DWS (>2000)	✓	✓	
AWC-04	616584	PWS	DWS (>2000)	✓	✓	
AWC-05	590620	PWS	DWS (>2000)	✓	✓	
BANKS 986	647986	PDWS	DWS (>2000)		✓	
BANKS 987	647987	PNDW	RM	WLO	WLO	
BIMA	577927	PNDW	RM			✓
BMO-2008-1G	909474	MW	PE (Lateral)	✓	✓	
BMO-2008-3B	909147	MW	PE (Lateral)	✓	✓	
BMO-2008-4B	910096	IRR	PE (Below)	WLO	✓	
BMO-2008-5B[1]	909653	PNDW	PE (Lateral)	✓	✓	
BMO-2008-5M	909552	MW	PE (Lateral)	✓	✓	
BMO-2008-6B	909146	MW	PE (Lateral)	✓	✓	
BMO-2008-6M	909019	MW	PE (Lateral)	✓	✓	
BMO-2008-7M	908794	MW	PE (Below)	WLO	✓	
BMO-2008-8B	910097	MW	RM	WLO	WLO	✓
BMO-2008-8M	909711	MW	PE (Below)	WLO	✓	
BMO-2008-9M	909255	MW	PE (Below)	WLO	✓	
BMO-2008-10GL	909435	MW	RM	WLO	WLO	✓
BMO-2008-10GU	909272	MW	RM	WLO	WLO	✓
BMO-2008-11G	909434	MW	PE (Lateral)	✓	✓	
BMO-2008-13B	909551	MW	RM	WLO	WLO	✓
BMO-2008-13M	909760	MW	RM	WLO	WLO	✓
BMO-2010-1M	219957	MW	PE (Below)	WLO	✓	
BMO-2010-2M	219958	MW	RM	WLO	WLO	✓
BMO-2010-3B	219970	MW	PE (Lateral)	✓	✓	
BMO-2010-3M	219969	MW	PE (Lateral)	✓	✓	
BMO-2012-1M	221388	MW	PE (Lateral)	✓	✓	
BMO-2014-1BL	917393	MW	PE (Lateral)	✓	✓	
BMO-2014-1BU	917394	MW	PE (Lateral)	✓	✓	
BMO-2014-2BL	917452	MW	PE (Lateral)	✓	✓	
BMO-2014-2BU	917453	MW	PE (Lateral)	✓	✓	
BMO-2014-3BL	917527	MW	PE (Lateral)	✓	✓	
BMO-2014-3BU	917494	MW	PE (Lateral)	✓	✓	
BMO-2014-4B	917620	MW	PE (Lateral)	✓	✓	
BMO-2014-4BL	917619	MW	PE (Lateral)	✓	✓	
BMO-2015-1B	917622	MW	PE (Lateral)	✓	✓	
BMO-2015-1BL	917621	MW	PE (Lateral)	✓	✓	
BMO-2015-2B	917827	MW	PE (Lateral)	✓	✓	
BMO-2015-2BL	917828	MW	PE (Lateral)	✓	✓	
BOOTH	914931	PDWS	DWS (<2000)	✓	✓	
BURKE	212268	PDWS	DWS (>2000)		✓	
CHAMBERS	629807	PDWS	DWS (>2000)		✓	
COB MW-1B	225906	MW	RM	WLO	WLO	✓
COB MW-2	903984	MW	PE (Lateral)	✓	✓	
COB MW-3	906823	MW	RM	WLO	✓	
COB WL	593116	MW	PE (Lateral)	✓	✓	
COOPER 988	232988	PDWS	DWS (<2000)	✓	✓	
COOPER C	637069	MW	RM		✓	
DODSON	644927	PDWS	DWS (<2000)	✓	✓	
DOUGLASS 791	592791	PNDW	RM		WLO	

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Groundwater Monitoring Schedule in 2025

Well Name	ADWR 55 Registry Number	Well Use	Monitoring Purpose	Semiannual Sampling First Quarter	Annual Sampling Third Quarter	Biennial Sampling Third Quarter of Odd Numbered Years
DOUGLASS 792	592792	PNDW	RM		WLO	
EAST	599796	PDWS	DWS (>2000)		✓	
ECHAVE	219449	PDWS	DWS (>2000)	WLO	✓	
EPPELE 641	805641	PDWS	DWS (>2000)		✓	
FRANCO 383	221383	PNDW	DWS (Mit)		✓	
FULTZ	212447	PDWS	RM		✓	
GARNER 557	558557	PNDW	RM	WLO	WLO	
GARNER 635	587635	PDWS	DWS (Mit)		✓	
GOAR RANCH	610695	PNDW	RM	WLO	WLO	
HOBAN	805290	MW	RM	WLO	✓	
HOWARD NR	NR	PNDW	RM	WLO	WLO	✓
HOWARD 312	221312	PDWS	DWS (Mit)		✓	
KEEFER	209744	PDWS	DWS (<2000)	✓	✓	
LADD 251	520251	PNDW	RM	WLO	WLO	
LADD 538	505538	PNDW	RM	WLO	WLO	
LADD 635	224635	STOCK	RM	WLO	WLO	
LADD 837	519837	PNDW	RM	WLO	WLO	
LADD 977	642977	STOCK	RM	WLO	WLO	
LAIR	236750	PDWS	DWS (>2000)		✓	
MARCELL	NR	PNDW	RM			✓
MCCONNELL 265	539265	PNDW	RM	WLO	WLO	✓
MCCONNELL 459	221459	PDWS	DWS (Mit)		✓	
METZLER	35-71891	PNDW	RM	WLO	WLO	
MOORE	538847	PDWS	DWS (>2000)		✓	
NESS	509127	PDWS	DWS (>2000)		✓	
NOTEMAN	212483	PNDW	RM			✓
NSD-02	527587	MW	RM	WLO	WLO	
NSD-03	527586	MW	RM	WLO	WLO	
NWC-02	562944	PWS	DWS (>2000)	✓	✓	
NWC-03 CAP	627684	PNDW	RM	WLO	WLO	
NWC-04	551849	PWS	DWS (<2000)	Quarterly		
NWC-06	575700	PWS	DWS (>2000)	✓	✓	
OLMOS	224745	PDWS	DWS	WLO	✓	
PALMER	578819	PDWS	DWS (>2000)		✓	
PANAGAKOS	35-76413	PDWS	PE (Lateral)	✓	✓	
PARRA	576415	PNDW	RM			✓
PIONKE 395	613395	PNDW	RM	WLO	WLO	✓
PIONKE 517	221517	PDWS	DWS (Mit)		✓	
POOL	509518	PDWS	DWS (>2000)		✓	
POWER 639	222639	PDWS	DWS (<2000)	✓	✓	
RAMIREZ	216425	PDWS	DWS (>2000)	WLO	✓	
RAY	803772	PDWS	DWS (>2000)		✓	
ROGERS 596	573596	PNDW	RM	✓	✓	
ROGERS 803	641803	PDWS	RM	✓	✓	
ROGERS E	216018	PDWS	DWS (<2000)	✓	✓	
RUIZ 146	232146	PDWS	DWS (<2000)	✓	✓	
SCHWARTZ	210865	PDWS	DWS (<2000)	✓	✓	
STEPHENS	808560	PNDW	RM	WLO	WLO	
SWAN	810034	PDWS	DWS (>2000)		✓	
TERRY	NR	PNDW	RM		✓	
TERRY 101	234101	PDWS	DWS (>2000)		✓	
THOMPSON 151	612151	PNDW	RM	WLO	WLO	
THOMPSON 341	218341	PDWS	DWS (>2000)		✓	
TM-02A	522574	MW	RM	WLO	WLO	✓

TABLE 1
Groundwater Monitoring Schedule in 2025

Well Name	ADWR 55 Registry Number	Well Use	Monitoring Purpose	Semiannual Sampling First Quarter	Annual Sampling Third Quarter	Biennial Sampling Third Quarter of Odd Numbered Years
TM-06 MILLER	522695	MW	RM	WLO	WLO	✓
TM-07	522576	MW	PE (Lateral)	✓	✓	
TM-10 USBP	522696	MW	RM	✓	✓	
TM-15 MILLER	522699	MW	RM		✓	
TM-16	522578	MW	RM	WLO	WLO	✓
TM-19A	522580	MW	RM		✓	
TM-42	562554	MW	RM	WLO	WLO	✓
TVI 236	802236	IRR	PE (Lateral)	✓	✓	
TVI 713	567713	PNDW	RM	WLO	WLO	
TVI 875	568875	IRR	RM		✓	
WEED	544535	PDWS	DWS (<2000)	✓	✓	
WEISKOPF 802	641802	PNDW	RM	WLO	WLO	✓
WEISKOPF 897	220897	PDWS	DWS (Mit)		✓	
ZANDER	205126	PDWS	DWS (>2000)	WLO	✓	

Notes:

1	In September 2018 BMO-2008-5B was verified as not being used for drinking water supply based on discussion with the property owner.
35-71891	ADWR 35 Database
ADWR	Arizona Department of Water Resources
NR	No Record

Well Use

PWS	Public Water Supply
PDWS	Private Drinking Water Supply
PNDW	Private Non-Drinking Water
IRR	Irrigation
MW	Monitoring Well
STOCK	Stock-Wildlife Watering

Monitoring Purpose

DWS (<2000)	Drinking Water Supply, Greater than 2000 feet from the plume
DWS (>2000)	Drinking Water Supply, Less than 2000 feet from the plume
DWS (Mit)	Drinking Water Supply, Mitigation well installed below plume
PE (Lateral)	Plume Edge Monitoring, Lateral to plume
PE (Below)	Plume Edge Monitoring, Below plume
RM	Regional Monitoring
WLO	Water Level Only

TABLE 2
Summary of Groundwater Monitoring in 2025

Well Name	ADWR 55 Registry Number	Semiannual Sampling First Quarter Schedule	1Q 2025			Annual and Biennial Sampling Third Quarter Schedule*	3Q 2025		
			Water Level Measured?	Water Sample Collected?	Status		Water Level Measured?	Water Sample Collected?	Status
ANDERSON 396	613396	WLO	Y	N	Well identified for water level measurements only. Water level measured in February 2025.	✓	Y	N	Unable to sample due to inoperable pump. Water level measured in July 2025.
ANDERSON 458	221458	NS	Y	N	Well is not scheduled for first quarter monitoring.	✓	Y	Y	Water quality sample collected in July 2025.
ASLD 435	616435	WLO	Y	N	Well identified for water level measurements only. Water level measured in March 2025.	WLO	Y	N	Well identified for water level measurements only. Water level measured in September 2025.
AWC-02	616586	✓	Y	Y	Water quality sample collected in January 2025.	✓	Y	Y	Water quality sample collected in July 2025.
AWC-03	616585	✓	Y	Y	Water quality sample collected in January 2025.	✓	Y	Y	Water quality sample collected in July 2025.
AWC-04	616584	✓	Y	Y	Water quality sample collected in January 2025.	✓	Y	Y	Water quality sample collected in July 2025.
AWC-05	590620	✓	Y	Y	Water quality sample collected in February 2025.	✓	Y	Y	Water quality sample collected in July 2025.
BANKS 986	647986	NS	N	N	Well is not scheduled for first quarter monitoring.	✓	N	Y	Water quality sample collected in July 2025. Water level not measured due to obstruction.
BANKS 987	647987	WLO	Y	N	Well identified for water level measurements only. Water level measured in January 2025.	WLO	Y	N	Well identified for water level measurements only. Water level measured in July 2025.
BIMA	577927	NS	N	N	Well is not scheduled for first quarter monitoring.	✓	N	Y	Water quality sample collected in July 2025.
BMO-2008-1G	909474	✓	Y	Y	Water quality sample collected in January 2025.	✓	Y	Y	Water quality sample collected in July 2025.
BMO-2008-3B	909147	✓	Y	Y	Water quality sample collected in January 2025.	✓	Y	Y	Water quality sample collected in August 2025.
BMO-2008-4B	910096	WLO	Y	N	Well identified for water level measurements only. Water level measured in January 2025.	✓	Y	N	Unable to sample due to inoperable pump. Water level measured in July 2025.
BMO-2008-5B	909653	✓	Y	Y	Water quality sample collected in February 2025.	✓	Y	Y	Water quality sample collected in August 2025.
BMO-2008-5M	909552	✓	Y	Y	Water quality sample collected in February 2025.	✓	Y	Y	Water quality sample collected in August 2025.
BMO-2008-6B	909146	✓	Y	Y	Water quality sample collected in February 2025.	✓	Y	Y	Water quality sample collected in August 2025.
BMO-2008-6M	909019	✓	Y	Y	Water quality sample collected in February 2025.	✓	Y	Y	Water quality sample collected in August 2025.
BMO-2008-7M	908794	WLO	Y	N	Well identified for water level measurements only. Water level measured in February 2025.	✓	Y	Y	Water quality sample collected in August 2025.
BMO-2008-8B	910097	WLO	Y	N	Well identified for water level measurements only. Water level measured in February 2025.	✓	Y	Y	Water quality sample collected in August 2025.
BMO-2008-8M	909711	WLO	Y	N	Well identified for water level measurements only. Water level measured in February 2025.	✓	Y	Y	Water quality sample collected in August 2025.

TABLE 2
Summary of Groundwater Monitoring in 2025

Well Name	ADWR 55 Registry Number	Semiannual Sampling First Quarter Schedule	1Q 2025			Annual and Biennial Sampling Third Quarter Schedule*	3Q 2025		
			Water Level Measured?	Water Sample Collected?	Status		Water Level Measured?	Water Sample Collected?	Status
BMO-2008-9M	909255	WLO	Y	N	Well identified for water level measurements only. Water level measured in February 2025.	✓	Y	Y	Water quality sample collected in July 2025..
BMO-2008-10GL	909435	WLO	Y	N	Well identified for water level measurements only. Water level measured in February 2025.	✓	Y	Y	Water quality sample collected in August 2025.
BMO-2008-10GU	909272	WLO	Y	N	Well identified for water level measurements only. Water level measured in February 2025.	✓	Y	Y	Water quaity sample collecetd in August 2025.
BMO-2008-11G	909434	✓	Y	Y	Water quality sample collected in January 2025.	✓	Y	Y	Water quality sample collected in August 2025.
BMO-2008-13B	909551	WLO	Y	N	Well identified for water level measurements only. Water level measured in February 2025.	✓	Y	Y	Water quality sample collected in August 2025.
BMO-2008-13M	909760	WLO	Y	N	Well identified for water level measurements only. Water level measured in February 2025.	✓	Y	Y	Water quality sample collected in August 2025.
BMO-2010-1M	219957	WLO	Y	N	Well identified for water level measurements only. Water level measured in February 2025.	✓	Y	Y	Water quality sample collected in July 2025.
BMO-2010-2M	219958	WLO	Y	N	Well identified for water level measurements only. Water level measured in February 2025.	✓	Y	Y	Water quality sample collected in July 2025.
BMO-2010-3B	219970	✓	Y	Y	Water quality sample collected in January 2025.	✓	Y	Y	Water quality sample collected in August 2025.
BMO-2010-3M	219969	✓	Y	Y	Water quality sample collected in January 2025.	✓	Y	Y	Water quality sample collected in July 2025.
BMO-2012-1M	221388	✓	Y	Y	Water quality sample collected in January 2025.	✓	Y	Y	Water quality sample collected in July 2025.
BMO-2014-1BL	917394	✓	Y	Y	Water quality sample collected in February 2025.	✓	Y	Y	Water quality sample collected in August 2025.
BMO-2014-1BU	917393	✓	Y	N	Unable to sample due to inoperable pump. Water level collected in February 2025.	✓	Y	N	Unable to sample due to inoperable pump. Water level collected in August 2025.
BMO-2014-2BL	917452	✓	Y	Y	Water quality sample collected in February 2025.	✓	Y	Y	Water quality sample collected in August 2025.
BMO-2014-2BU	917453	✓	Y	Y	Water quality sample collected in February 2025.	✓	Y	Y	Water quality sample collected in August 2025.
BMO-2014-3BL	917527	✓	Y	Y	Water quality sample collected in February 2025.	✓	Y	Y	Water quality sample collected in August 2025.
BMO-2014-3BU	917494	✓	Y	Y	Water quality sample collected in February 2025.	✓	Y	Y	Water quality sample collected in August 2025.
BMO-2014-4B	917620	✓	Y	Y	Water quality sample collected in February 2025.	✓	Y	Y	Water quality sample collected in August 2025.
BMO-2014-4BL	917619	✓	Y	Y	Water quality sample collected in February 2025.	✓	Y	Y	Water quality sample collected in August 2025.
BMO-2015-1B	917622	✓	Y	Y	Water quality sample collected in February 2025.	✓	Y	Y	Water quality sample collected in August 2025.

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Summary of Groundwater Monitoring in 2025

Well Name	ADWR 55 Registry Number	Semiannual Sampling First Quarter Schedule	1Q 2025			Annual and Biennial Sampling Third Quarter Schedule*	3Q 2025		
			Water Level Measured?	Water Sample Collected?	Status		Water Level Measured?	Water Sample Collected?	Status
BMO-2015-1BL	917621	✓	Y	Y	Water quality sample collected in February 2025.	✓	Y	Y	Water quality sample collected in August 2025.
BMO-2015-2B	917827	✓	Y	Y	Water quality sample collected in February 2025.	✓	Y	Y	Water quality sample collected in August 2025.
BMO-2015-2BL	917828	✓	Y	Y	Water quality sample collected in February 2025.	✓	Y	Y	Water quality sample collected in August 2025.
BOOTH	914931	✓	Y	N	Unable to sample due to well inoperable. Water level collected in January 2025.	✓	N	N	Unable to sample due to no property acces.
BURKE	212268	NS	N	N	Well is not scheduled for first quarter monitoring.	✓	N	Y	Water quality sample collected in July 2025. Water level not measured due to obstruction.
CHAMBERS	629807	NS	N	N	Well is not scheduled for first quarter monitoring.	✓	N	N	Unable to sample or measure water level due to no property access.
COB MW-1B	225906	WLO	N	N	Well identified for water level measurements only. Water level not measured at well owner request.	✓	N	Y	Water quality smaple collected in August 2025.
COB MW-2	903984	✓	Y	Y	Water quality sample collected in February 2025.	✓	Y	Y	Water quality sample collected in August 2025.
COB MW-3	906823	WLO	Y	N	Well identified for water level measurements only. Water level measured in February 2025.	✓	Y	Y	Water quality sample collected in August 2025.
COB WL	593116	✓	Y	Y	Water quality sample collected in February 2025.	✓	Y	N	Unable to sample due to inoperable pump. Water level level measured in August 2025.
COOPER 988	232988	✓	Y	Y	Water quality sample collected in February 2025.	✓	Y	Y	Water quality sample collected in July 2025.
COOPER C	637069	NS	N	N	Well is not scheduled for first quarter monitoring.	✓	N	N	Well was dry.
DODSON	644927	✓	Y	Y	Water quality sample collected in February 2025.	✓	Y	Y	Water quality sample collected in July 2025.
DOUGLASS 791	592791	NS	N	N	Well is not scheduled for first quarter monitoring.	WLO	N	N	Unable to measure water level due to no property access.
DOUGLASS 792	592792	NS	N	N	Well is not scheduled for first quarter monitoring.	WLO	N	N	Unable to measure water level due to no property access.
EAST	599796	NS	N	N	Well is not scheduled for first quarter monitoring.	✓	Y	Y	Water quality sample collected in August 2025.
ECHAVE	219449	WLO	Y	N	Well identified for water level measurements only. Water level measured in January 2025.	✓	Y	Y	Water quality sample collected in July 2025.
EPPELE 641	805641	NS	N	N	Well is not scheduled for first quarter monitoring.	✓	N	N	Unable to sample or measure water level due to no property access.
FRANCO 383	221383	NS	N	N	Well is not scheduled for first quarter monitoring.	✓	Y	Y	Water quality sample collected in July 2025.
FULTZ	212447	NS	N	N	Well is not scheduled for first quarter monitoring.	✓	N	Y	Water quality sample collected in August 2025. Water level not measured due to obstruction.

TABLE 2
Summary of Groundwater Monitoring in 2025

Well Name	ADWR 55 Registry Number	Semiannual Sampling First Quarter Schedule	1Q 2025			Annual and Biennial Sampling Third Quarter Schedule*	3Q 2025		
			Water Level Measured?	Water Sample Collected?	Status		Water Level Measured?	Water Sample Collected?	Status
GARNER 557	558557	WLO	Y	N	Well identified for water level measurements only. Water level measured in January 2025.	WLO	Y	N	Well identified for water level measurements only. Water level measured in July 2025.
GARNER 635	587635	NS	Y	N	Well is not scheduled for first quarter monitoring.	✓	Y	Y	Water quality sample collected in July 2025.
GOAR RANCH	610695	WLO	Y	N	Well identified for water level measurements only. Water level measured in February 2025.	WLO	Y	N	Well identified for water level measurements only. Water level measured in July 2025.
HOBAN	805290	WLO	Y	N	Well identified for water level measurements only. Water level measured in March 2025.	✓	Y	Y	Water quality sample collected in September 2025.
HOWARD NR	NR	WLO	Y	N	Well identified for water level measurements only. Water level measured in January 2025.	✓	Y	Y	Water quality sample collected in July 2025.
HOWARD 312	221312	NS	Y	N	Well is not scheduled for first quarter monitoring. Water level measured in January 2025.	✓	Y	Y	Water quality sample collected in July 2025.
KEEFER	209744	✓	Y	Y	Water quality sample collected in February 2025.	✓	Y	Y	Water quality sample collected in July 2025.
LADD 251	520251	WLO	Y	N	Well identified for water level measurements only. Water level measured in March 2025.	WLO	Y	N	Well identified for water level measurements only. Water level measured in September 2025.
LADD 538	503538	WLO	Y	N	Well identified for water level measurements only. Water level measured in March 2025.	WLO	Y	N	Well identified for water level measurements only. Water level measured in September 2025.
LADD 635	224635	WLO	Y	N	Well identified for water level measurements only. Water level measured in March 2025.	WLO	Y	N	Well identified for water level measurements only. Water level measured in September 2025.
LADD 837	519837	WLO	Y	N	Well identified for water level measurements only. Water level measured in March 2025.	WLO	Y	N	Well identified for water level measurements only. Water level measured in September 2025.
LADD 977	642977	WLO	Y	N	Well identified for water level measurements only. Water level measured in March 2025.	WLO	Y	N	Well identified for water level measurements only. Water level measured in September 2025.
LAIR	236750	NS	N	N	Well is not scheduled for first quarter monitoring.	✓	Y	Y	Water quality sample collected in July 2025.
MARCELL	NR	NS	N	N	Well is not scheduled for first quarter monitoring.	✓	N	N	Unable to sample or measure water level due to no property access.
MCCONNELL 265	539265	WLO	Y	N	Well identified for water level measurements only. Water level measured in February 2025	✓	Y	N	Unable to sample due to inoperable pump. Water level measured in July 2025.
MCCONNELL 459	221459	NS	N	N	Well is not scheduled for first quarter monitoring.	✓	Y	Y	Water quality sample collected in July 2025.
METZLER	35-71891	WLO	Y	N	Well identified for water level measurements only. Water level measured in January 2025.	WLO	Y	N	Well identified for water level measurements only. Water level measured in July 2025.
MOORE	538847	NS	N	N	Well is not scheduled for first quarter monitoring.	✓	Y	Y	Water quality sample collected in July 2025.
NESS	509127	NS	N	N	Well is not scheduled for first quarter monitoring.	✓	N	Y	Water quality sample collected in July 2025.
NOTEMAN	212483	NS	N	N	Well is not scheduled for first quarter monitoring.	✓	N	Y	Water quality sample collected in July 2025.

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Summary of Groundwater Monitoring in 2025

Well Name	ADWR 55 Registry Number	Semiannual Sampling First Quarter Schedule	1Q 2025			Annual and Biennial Sampling Third Quarter Schedule*	3Q 2025		
			Water Level Measured?	Water Sample Collected?	Status		Water Level Measured?	Water Sample Collected?	Status
NSD-02	527587	WLO	Y	N	Well identified for water level measurements only. Water level measured in January 2025.	WLO	Y	N	Well identified for water level measurements only. Water level measured in July 2025.
NSD-03	527586	WLO	N	N	Well identified for water level measurements only. Water level not measured due to obstruction.	WLO	N	N	Well identified for water level measurements only. Water level not measured due to obstruction.
NWC-02	562944	✓	Y	Y	Water quality sample collected in February 2025.	✓	Y	Y	Water quality sample collected in July 2025.
NWC-03 CAP	627684	WLO	N	N	Well was dry.	WLO	N	N	Well was dry.
NWC-04	551849	✓	N	Y	Water quality sample collected in February 2025. Water level not measured due to well pumping.	✓	Y	Y	Water quality sample collected in July 2025.
NWC-06	575700	✓	Y	Y	Water quality sample collected in February 2025.	✓	Y	Y	Water quality sample collected in July 2025.
OLMOS	224745	WLO	Y	N	Well identified for water level measurements only. Water level measured in January 2025.	✓	Y	Y	Water quality sample collected in July 2025.
PALMER	578819	NS	N	N	Well is not scheduled for first quarter monitoring.	✓	N	Y	Water quality sample collected in August 2025. Water level not measured due to no port in wellhead.
PANAGAKOS	35-76413	✓	Y	Y	Water quality sample collected in Janary 2025.	✓	Y	Y	Water quality sample collected in July 2025.
PARRA	576415	NS	N	N	Well is not scheduled for first quarter monitoring.	✓	N	Y	Water quality sample collected in July 2025.
PIONKE 395	613395	WLO	Y	N	Well identified for water level measurements only. Water level measured in January 2025.	✓	Y	N	Unable to sample due to well inoperable. Water level measured in July 2025.
PIONKE 517	221517	NS	Y	N	Well is not scheduled for first quarter monitoring.	✓	Y	Y	Water quality sample collected in July 2025.
POOL	509518	NS	N	N	Well is not scheduled for first quarter monitoring.	✓	Y	Y	Water quality sample collected in August 2025.
POWER 639	222639	✓	Y	Y	Water quality sample collected in January 2025.	✓	Y	Y	Water quality sample collected in August 2025.
RAMIREZ	216425	WLO	Y	N	Well identified for water level measurements only. Water level measured in January 2025.	✓	Y	Y	Water quality sample collected in July 2025.
RAY	803772	NS	N	N	Well is not scheduled for first quarter monitoring.	✓	Y	Y	Water quality sample collected in July 2025.
ROGERS 596	573596	✓	Y	Y	Water quality sample collected in January 2025.	✓	Y	Y	Water quality sample collected in July 2025.
ROGERS 803	641803	✓	N	N	Well was dry.	✓	N	N	Well was dry.
ROGERS E	216018	✓	Y	Y	Water quality sample collected in January 2025.	✓	Y	Y	Water quality sample collected in July 2025.
RUIZ 146	232146	✓	Y	Y	Water quality sample collected in February 2025.	✓	Y	Y	Water quality sample collected in July 2025.

TABLE 2
Summary of Groundwater Monitoring in 2025

Well Name	ADWR 55 Registry Number	Semiannual Sampling First Quarter Schedule	1Q 2025			Annual and Biennial Sampling Third Quarter Schedule*	3Q 2025		
			Water Level Measured?	Water Sample Collected?	Status		Water Level Measured?	Water Sample Collected?	Status
SCHWARTZ	210865	✓	Y	Y	Water quality sample collected in February 2025.	✓	Y	Y	Water quality sample collected in July 2025.
STEPHENS	808560	WLO	Y	N	Well identified for water level measurements only. Water level measured in January 2025.	WLO	N	N	No property access.
SWAN	NR	NS	N	N	Well is not scheduled for first quarter monitoring.	✓	N	N	No property access.
TERRY	229470	NS	N	N	Well is not scheduled for first quarter monitoring.	✓	N	N	Well not visited this quarter at well owner request.
TERRY 101	234101	NS	N	N	Well is not scheduled for first quarter monitoring.	✓	N	N	Well not visited this quarter at well owner request.
THOMPSON 151	612151	WLO	N	N	Well identified for water level measurements only. Water level not measured due to obstruction.	WLO	N	N	Well identified for water level measurements only. Water level not measured due to obstruction.
THOMPSON 341	218341	NS	Y	N	Well is not scheduled for first quarter monitoring.	✓	Y	Y	Water quality sample collected in July 2025.
TM-02A	522574	WLO	Y	N	Well identified for water level measurements only. Water level measured in February 2025.	✓	Y	Y	Water quality sample collected in August 2025.
TM-06 MILLER	522695	WLO	Y	N	Well identified for water level measurements only. Water level measured in March 2025.	✓	Y	Y	Water quality sample collected in July 2025.
TM-07	522576	✓	Y	Y	Water quality sample collected in February 2025.	✓	Y	Y	Water quality sample collected in September 2025.
TM-10 USBP	522696	✓	Y	Y	Water quality sample collected in January 2025.	✓	Y	Y	Water quality sample collected in August 2025.
TM-15 MILLER	522699	NS	N	N	Well is not scheduled for first quarter monitoring.	✓	Y	Y	Water quality sample collected in August 2025.
TM-16	522578	WLO	Y	N	Well identified for water level measurements only. Water level measured in February 2025.	✓	Y	Y	Water quality sample collected in July 2025.
TM-19A	522580	NS	N	N	Well is not scheduled for first quarter monitoring.	✓	Y	Y	Water quality sample collected in August 2025.
TM-42	562554	WLO	Y	N	Well identified for water level measurements only. Water level measured in March 2025.	✓	Y	Y	Water quality sample collected in August 2025.
TVI 236	802236	✓	Y	Y	Water quality sample collected in January 2025.	✓	Y	Y	Water quality sample collected in July 2025.
TVI 713	567713	WLO	Y	N	Well identified for water level measurements only. Water level measured in February 2025.	WLO	Y	N	Well identified for water level measurements only. Water level measured in August 2025.
TVI 875	568875	NS	N	N	Well is not scheduled for first quarter monitoring.	✓	N	N	Unable to sample due to inoperable pump. No water level measured due to no port in wellhead.
WEED	544535	✓	N	Y	Water quality sample collected in January 2025. Water level not measured due to no port in wellhead.	✓	N	Y	Water quality sample collected in July 2025. No water level measured due to no port in wellhead.
WEISKOPF 802	641802	WLO	Y	N	Well identified for water level measurements only. Water level measured in January 2025.	✓	Y	N	Water level measured in July 2025.

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Summary of Groundwater Monitoring in 2025

Well Name	ADWR 55 Registry Number	Semiannual Sampling First Quarter Schedule	1Q 2025			Annual and Biennial Sampling Third Quarter Schedule*	3Q 2025		
			Water Level Measured?	Water Sample Collected?	Status		Water Level Measured?	Water Sample Collected?	Status
WEISKOPF 897	220897	NS	Y	N	Well is not scheduled for first quarter monitoring.	✓	Y	Y	Water quality sample collected in July 2025.
ZANDER	205126	WLO	N	N	No property access.	✓	N	N	No property access.

Notes:

* Annual sampling is conducted in third quarter. Biennial sampling conducted in third quarter of odd years (see Table 1)

35-71891 = ADWR 35 Database

ADWR = Arizona Department of Water Resources

bls = below land surface

N = no

NR = no record

NS = not scheduled

Q = quarter

Y = yes

WLO = water level only

TABLE 3
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
ANDERSON 458	221458	7/7/2025		8.21	25.0	396.4	22.3
AWC-02	616586	1/29/2025		7.31	20.3	548.4	16.3
		7/14/2025		7.58	21.6	532	19.5
AWC-03	616585	1/29/2025		7.32	20.3	526.6	69.9
		7/14/2025		7.56	20.9	543.7	79.4
AWC-04	616584	1/29/2025		7.05	19.1	930.1	23.1
		7/14/2025		7.19	20.4	656	23.6
AWC-05	590620	1/29/2025		7.34	20.5	457.4	18.0
		7/14/2025		7.42	21.1	462	21.5
BANKS 986	647986	7/9/2025		7.49	22.6	1052	52.3
BIMA	577927	7/10/2025		6.45	23.5	1589	256
BMO-2008-1G	909474	1/27/2025		7.20	20.9	1058	97.4
		7/10/2025		7.21	21.7	1175	104
BMO-2008-3B	909147	2/18/2025		7.27	20.9	882	165
		8/6/2025		7.36	21.4	842	189
BMO-2008-5B	909653	2/17/2025		7.21	21.2	1045	290
		8/4/2025		7.07	21.9	1088	271
		8/4/2025	DUP	7.07	21.9	1088	266
BMO-2008-5M	909552	2/17/2025		7.19	22.1	894	187
		8/4/2025		7.11	22.5	882	178
BMO-2008-6B	909146	2/17/2025		7.20	21.0	357	5.05
		8/4/2025		7.20	22.2	362	3.03
BMO-2008-6M	909019	2/17/2025		7.21	21.6	884	193
		8/4/2025		7.16	22.0	875	170
BMO-2008-7M	908794	8/25/2025		7.38	22.8	678	48.5
BMO-2008-8B	910097	8/25/2025		6.54	23.4	2540	1120
BMO-2008-8M	909711	8/21/2025		6.58	23.8	1955	932
BMO-2008-9M	909255	7/10/2025		7.65	24.3	766	94.2
BMO-2008-10GL	909435	8/5/2025		6.37	25.1	4110	1570
BMO-2008-10GU	909272	8/5/2025		6.22	21.0	4590	2310
BMO-2008-11G	909434	1/27/2025		7.88	24.9	472	12.6
		8/7/2025		7.79	25.2	459	12.7
BMO-2008-13B	909551	8/19/2025		6.12	21.4	2030	1080
BMO-2008-13M	909760	8/19/2025		6.36	21.6	2130	1150
BMO-2010-1M	219957	7/14/2025		7.54	23.2	980	179
BMO-2010-2M	219958	7/17/2025		6.89	21.7	1842	725
BMO-2010-3B	219970	1/30/2025		7.59	20.6	436.2	26.0
		7/15/2025		7.72	21.8	433	24.6
BMO-2010-3M	219969	1/30/2025		7.65	22.2	393.7	9.71
		7/15/2025		7.71	23.8	387	9.71
BMO-2012-1M	221388	1/28/2025		7.12	22.5	1148	216
		7/9/2025		7.12	23.0	1165	201
BMO-2014-1BL	917394	2/6/2025		7.43	21.9	723.0	169
		8/21/2025		7.28	21.1	734.3	174
BMO-2014-2BL	917452	2/6/2025		7.14	20.7	1158	377
		8/21/2025		7.07	20.1	1169	385
BMO-2014-2BU	917453	2/6/2025		7.39	20.0	560.7	69.5
		8/21/2025		7.36	19.5	570.9	72.0
BMO-2014-3BL	917527	2/6/2025		7.55	22.2	417.7	9.01
		8/21/2025		7.50	21.3	425.9	8.42
		8/21/2025	DUP	7.50	21.3	425.9	8.52
BMO-2014-3BU	917494	2/6/2025		7.62	20.7	478.4	8.60
		2/6/2025	DUP	7.62	20.7	478.4	8.53
		8/21/2025		7.49	20.0	489.4	8.07
BMO-2014-4B	917620	2/3/2025		7.47	21.1	516.2	72.1
		8/19/2025		7.45	20.1	521.7	75.6
BMO-2014-4BL	917619	2/6/2025		7.45	21.4	587.8	120
		8/19/2025		7.47	20.6	603.6	127

TABLE 3
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
BMO-2015-1B	917622	2/3/2025		7.41	21.0	739.4	186
		8/19/2025		7.40	20.1	738.4	198
BMO-2015-1BL	917621	2/3/2025		7.44	21.0	864.2	271
		8/19/2025		7.38	20.0	878.2	281
BMO-2015-2B	917827	2/3/2025		7.29	20.8	944.5	281
		8/19/2025		7.17	19.9	965.1	285
BMO-2015-2BL	917828	2/3/2025		7.38	21.2	1004	320
		8/19/2025		7.12	20.0	1035	329
BURKE	212268	7/18/2025		7.84	27.0	498.6	32.6
COB MW-1B	225906	8/25/2025		6.81	21.1	2059	1060
COB MW-2	903984	2/12/2025		7.35	19.4	573.9	26.0
		8/20/2025		7.20	18.8	586.4	26.2
COB MW-3	906832	8/20/2025		7.32	19.4	541.7	83.9
COB WL	593116	2/12/2025		7.13	20.3	996.6	67.1
COOPER 988	232988	2/5/2025		8.07	18.5	405.0	17.6
		7/11/2025		7.99	26.7	411.3	17.5
COOPER C	637069	9/2/2025		DRY	DRY	DRY	DRY
DODSON	644927	2/6/2025		7.17	20.6	1980	48.7
		7/16/2025		7.09	21.4	1989	49.2
EAST	599796	8/22/2025		7.37	19.8	630.8	13.2
ECHAVE	219449	7/10/2025		7.75	30.8	389.3	17.2
FRANCO 383	221383	7/16/2025		7.45	26.3	1149	375
FULTZ	212447	8/18/2025		7.41	20.7	794.6	57.4
GARNER 635	587635	7/7/2025		7.70	25.5	454.2	36.5
		7/7/2025	DUP	7.70	25.5	454.2	36.5
HOBAN	805290	9/2/2025		7.19	21.8	1109	496
HOWARD 312	221312	7/14/2025		8.20	27.2	618.4	66.7
HOWARD NR	NR	7/14/2025		8.08	28.1	622.6	67.0
KEEFER	209744	2/4/2025		7.39	20.0	502.2	8.44
		7/8/2025		7.55	21.4	501.8	8.12
LAIR	643436	7/10/2025		7.66	28.8	558.9	12.1
MCCONNELL 459	221459	7/8/2025		8.06	26.4	452.3	29.1
MOORE	538847	7/10/2025		7.38	22.6	452.4	8.44
NESS	509127	7/17/2025		8.10	25.2	565	47.3
NOTEMAN	212483	7/17/2025		6.83	23.9	1326	193
NWC-02	562944	2/7/2025		7.55	20.9	454.1	9.13
		7/18/2025		7.50	21.5	443	8.88
NWC-04	551849	2/7/2025		7.37	23.6	864.4	167
		4/17/2025		7.49	22.2	865	150
		7/18/2025		7.40	24.4	850	165
		10/17/2025		7.47	21.0	860	148
NWC-06	575700	2/7/2025		7.58	21.4	414.8	9.59
		7/18/2025		7.32	21.8	408	9.56
OLMOS	224745	7/10/2025		7.49	22.3	435.7	8.97
PALMER	578819	8/18/2025		8.01	30.2	527.5	16.0
PANAGAKOS	35-76413	1/30/2025		7.44	18.6	1144	205
		7/17/2025		7.31	21.5	1090	258
PARRA	576415	7/18/2025		7.24	21.9	1082	312
PIONKE 517	221517	7/15/2025		7.64	23.9	389.8	14.4
POOL	509518	8/25/2025		7.38	20.7	543.4	90.2
POWER 639	222639	1/27/2025		7.51	21.2	725.2	182
		1/27/2025	DUP	7.51	21.2	725.2	168
		8/18/2025		7.51	20.6	712.1	167
		8/18/2025	DUP	7.51	20.6	712.1	167
RAMIREZ	216425	7/9/2025		7.48	23.8	426.1	8.85
RAY	803772	7/17/2025		7.19	21.3	1534	139
ROGERS 596	573596	1/28/2025		6.82	19.0	1419	499
		7/9/2025		6.89	26.4	1390	535
ROGERS 803	641803	7/9/2025		DRY	DRY	DRY	DRY
ROGERS E	216018	1/27/2025		7.31	20.5	454.0	9.87
		7/17/2025		7.41	22.4	475.1	10.7

TABLE 3
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
RUIZ 146	232146	2/4/2025		7.25	20.7	585.9	70.6
		2/4/2025	DUP	7.25	20.7	585.9	70.0
		7/17/2025		7.28	22.1	627.7	81.4
SCHWARTZ	210865	2/4/2025		7.19	21.2	776.9	185
		7/17/2025		7.33	22.5	725.1	154
THOMPSON 341	218341	7/15/2025		7.42	22.4	418.3	9.28
TM-02A	522574	8/27/2025		7.80	24.0	480	19.6
TM-06 MILLER	522695	7/17/2025		7.24	20.2	721	34.9
TM-07	522576	2/18/2025		7.42	20.8	750	94.7
		9/3/2025		7.46	21.1	590	91.6
TM-10 USBP	522696	1/31/2025		7.68	20.9	344.1	10.1
		8/22/2025		7.74	19.7	352.3	10.8
TM-15 MILLER	522699	8/18/2025		7.50	22.5	524	14.8
TM-16	522578	7/14/2025		6.92	20.8	1455	479
TM-19A	522580	8/6/2025		7.40	23.4	648	58.0
TM-42	562554	8/6/2025		7.05	21.4	1540	644
TVI 236	802236	1/25/2025		7.42	19.2	480.1	28.9
		7/15/2025		7.56	20.4	508.1	35.0
		7/15/2025	DUP	7.56	20.4	508.1	35.1
WEED	544535	1/27/2025		7.60	19.8	379.2	13.7
		7/8/2025		7.76	21.8	395.7	13.4
WEISKOPF 897	220897	7/16/2025		7.65	24.3	385.2	17.0

Notes:
35-71891 = ADWR 35 Database
ADWR = Arizona Department of Water Resources
deg C = degrees Celsius
DUP =blind duplicate
mg/L = milligrams per liter
SC = specific conductance
SU = standard units
µS/cm = microsemens per centimeter

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
ANDERSON 396	613396	601134.729	3468816.065	4588.51	2/5/25	161.11	4427.40
					7/7/25	161.66	4426.85
ANDERSON 458	221458	601118.831	3468825.541	4585.37	2/5/25	161.93	4423.44
					7/7/25	165.39	4419.98
ASLD 435	616435	593503.215	3468886.141	4471.34	3/6/25	254.41	4216.93
					9/17/25	254.80	4216.54
AWC-02	616586	598907.911	3468565.912	4547.64	2/12/25	134.84	4412.80
					7/14/25	138.31	4409.33
AWC-03	616585	599090.322	3468659.578	4539.52	2/12/25	126.2	4413.32
					7/14/25	132.00	4407.52
AWC-04	616584	598949.929	3468717.084	4540.48	2/12/25	129.10	4411.38
					7/14/25	148.08	4392.40
AWC-05	590620	599269.904	3468541.692	4542.51	2/12/25	292.49	4250.02
					7/14/25	175.50	4367.01
BANKS 987	647987	606981.912	3469206.194	4648.18	1/31/25	220.51	4427.67
					7/9/25	218.31	4429.87
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	1/27/25	82.86	4722.24
					7/10/25	83.97	4721.13
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	2/18/25	155.74	4428.23
					8/6/25	156.11	4427.86
BMO-2008-4B	910096	601099.405	3468383.430	4573.17	1/28/25	145.93	4427.24
					7/9/25	146.58	4426.59
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	2/17/25	159.25	4425.85
					8/4/25	159.98	4425.12
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	2/17/25	160.46	4424.56
					8/4/25	161.33	4423.69
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	2/17/25	203.93	4423.51
					8/4/25	204.67	4422.77
BMO-2008-6M	909019	600367.943	3469813.885	4646.90	2/17/25	205.27	4441.63
					8/4/25	206.22	4440.68
BMO-2008-7M	908794	603099.165	3470029.280	4688.33	2/26/25	252.49	4435.84
					8/25/25	253.08	4435.25
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	2/26/25	310.80	4442.45
					8/25/25	311.37	4441.88
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	2/26/25	307.22	4445.23
					8/21/25	307.96	4444.49
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	2/26/25	302.79	4459.82
					7/10/25	304.10	4458.51
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	2/24/25	362.12	4430.09
					8/5/25	364.37	4427.84
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	2/24/25	229.12	4564.33
					8/5/25	232.60	4560.85
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	1/27/25	540.86	4303.81
					8/7/25	541.40	4303.27
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	2/26/25	220.40	4428.81
					8/19/25	220.38	4428.83
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	2/26/25	219.58	4427.57
					8/19/25	220.17	4426.98
BMO-2010-1M	219957	605581.263	3469935.750	4718.55	2/27/25	227.80	4490.75
					7/14/25	229.12	4489.43
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	2/27/25	281.15	4465.01
					7/17/25	282.48	4463.68
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	1/30/25	128.16	4422.43
					7/15/25	129.05	4421.54

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	1/30/25	130.36	4420.17
					7/15/25	131.87	4418.66
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	1/28/25	229.88	4489.88
					7/9/25	231.94	4487.82
BMO-2014-1BL	917394	600570.805	3468231.440	4558.45	2/6/25	132.80	4425.65
					8/21/25	133.52	4424.93
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	2/6/25	132.98	4425.56
					8/21/25	133.81	4424.73
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	2/6/25	135.95	4425.85
					8/21/25	136.72	4425.08
BMO-2014-2BU	917453	600788.520	3468192.762	4561.85	2/6/25	135.97	4425.88
					8/21/25	136.66	4425.19
BMO-2014-3BL	917527	600824.015	3467793.100	4573.77	2/6/25	148.35	4425.42
					8/21/25	149.22	4424.55
BMO-2014-3BU	917494	600813.429	3467793.102	4574.89	2/6/25	149.61	4425.28
					8/21/25	150.31	4424.58
BMO-2014-4B	917620	600508.904	3468579.814	4567.67	2/3/25	142.38	4425.29
					8/19/25	143.31	4424.36
BMO-2014-4BL	917619	600498.016	3468566.049	4567.05	2/3/25	141.86	4425.19
					8/19/25	142.79	4424.26
BMO-2015-1B	917622	600270.854	3468568.778	4562.06	2/3/25	138.32	4423.74
					8/19/25	139.33	4422.73
BMO-2015-1BL	917621	600280.379	3468583.066	4563.40	2/3/25	139.53	4423.87
					8/19/25	140.60	4422.80
BMO-2015-2B	917827	600261.329	3468985.498	4582.08	2/3/25	158.10	4423.98
					8/19/25	159.18	4422.90
BMO-2015-2BL	917828	600268.473	3468999.785	4580.64	2/3/25	156.79	4423.85
					8/17/25	157.92	4422.72
BOOTH	914931	601132.585	3468049.038	4568.21	1/27/25	141.68	4426.53
COB MW-2	903984	600973.253	3468114.871	4566.21	2/12/25	139.33	4426.88
					8/20/25	140.11	4426.10
COB MW-3	906823	599169.255	3468726.057	4538.61	2/12/25	127.25	4411.36
					8/20/25	142.95	4395.66
COB WL	593116	606357.499	3472502.035	4832.06	2/12/25	108.56	4723.50
					8/20/25	110.08	4721.98
COOPER 988	232988	602200.984	3471719.987	4748.95	2/5/25	329.18	4419.77
					7/11/25	353.61	4395.34
COOPER C	637069	601349.985	3468913.044	4599.14	9/2/25	DRY	DRY
DODSON	644927	605594.560	3469063.772	4686.34	2/6/25	99.50	4586.84
					7/16/25	100.98	4585.36
EAST	599796	607076.362	3468712.227	4626.01	8/22/25	85.85	4540.16
ECHAVE	219449	599700.997	3470167.092	4648.00	1/27/25	226.15	4421.85
					7/10/25	226.76	4421.24
FRANCO 383	221383	602817.854	3468831.563	4635.79	7/16/25	204.45	4431.34
GARNER 557	558557	602693.516	3468974.152	4638.45	1/29/25	207.15	4431.30
					7/7/25	207.71	4430.74
GARNER 635	587635	602665.346	3468967.931	4640.74	1/29/25	209.82	4430.92
					7/7/25	209.62	4431.12
GOAR RANCH	610695	602454.751	3468892.471	4631.13	2/5/25	200.23	4430.90
					7/17/25	200.67	4430.46
HOBAN	805290	601705.844	3468880.359	4607.60	3/3/25	179.30	4428.30
					9/2/25	180.08	4427.52
HOWARD 312	221312	601308.536	3468772.743	4594.94	1/28/25	232.69	4362.25
					7/14/25	239.38	4355.56

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
KEEFER	209744	599879.177	3468119.056	4572.03	2/4/25	150.52	4421.51
					7/8/25	151.41	4420.62
LADD 251	520251	594788.933	3470348.534	4443.83	3/6/25	224.55	4219.28
					9/17/25	225.65	4218.18
LADD 538	505538	596791.294	3469634.882	4527.05	3/6/25	205.35	4321.70
					9/17/25	205.64	4321.41
LADD 635	224635	598724.834	3467541.096	4598.99	3/6/25	180.12	4418.87
					9/17/25	181.23	4417.76
LADD 837	519837	594758.280	3470816.773	4470.11	3/6/25	346.27	4123.84
					9/17/25	323.10	4147.01
LADD 977	642977	597617.002	3468712.523	4513.40	3/6/25	93.81	4419.59
					9/17/25	95.50	4417.90
LAIR	236750	606948.760	3470309.360	4728[1]	7/10/25	104.31	4623.69
MCCONNELL 459	221459	601471.745	3468840.235	4601.55	7/8/25	179.88	4421.67
METZLER	35-71891	602091.309	3471381.200	4728.53	1/27/25	300.52	4428.01
					7/18/25	301.10	4427.43
MOORE	538847	599557.021	3467843.686	4568.49	7/10/25	164.72	4403.77
NSD-02	527587	598820.394	3468819.128	4531.38	2/12/25	114.92	4416.46
					7/15/25	117.11	4414.27
NWC-02	562944	600181.593	3467461.037	4600.44	2/7/25	177.15	4423.29
					7/18/25	178.11	4422.33
NWC-04	551849	605829.808	3469071.959	4690.77	7/18/25	570.61	4120.16
NWC-06	575700	599822.821	3467749.954	4592.50	2/7/25	178.85	4413.65
					7/18/25	172.19	4420.31
OLMOS	224745	599641.506	3468055.337	4576.92	1/31/25	157.36	4419.56
					7/10/25	158.40	4418.52
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	1/30/25	167.13	4524.27
PIONKE 395	613395	601041.378	3468961.642	4592.13	1/28/25	164.52	4427.61
					7/15/25	165.32	4426.81
PIONKE 517	221517	600908.160	3468864.610	4587.21	1/28/25	161.28	4425.93
					7/15/25	162.09	4425.12
POOL	509518	599683.615	3470013.855	4639.09	8/25/25	219.65	4419.44
POWER 639	222639	602146.123	3471373.655	4734.38	1/27/25	301.46	4432.92
					8/18/25	302.15	4432.23
RAMIREZ	216425	599730.649	3467584.363	4596.61	1/28/25	175.49	4421.12
					7/9/25	176.29	4420.32
RAY	803772	607083.416	3469195.163	4647.91	7/17/25	53.69	4594.22
ROGERS 596	573596	601001.972	3468490.803	4577.35	1/28/25	149.02	4428.33
					7/9/25	149.64	4427.71
ROGERS 803	641803	601003.274	3468480.392	4576.16	1/28/25	DRY	DRY
					7/9/25	DRY	DRY
ROGERS E	216018	600449.648	3467636.029	4590.66	1/27/25	165.67	4424.99
					7/17/25	166.40	4424.26
RUIZ 146	232146	602871.368	3471442.508	4731.23	2/4/25	305.85	4425.38
					7/17/25	306.31	4424.92
SCHWARTZ	210865	600811.525	3468268.094	4564.49	2/4/25	138.06	4426.43
					7/17/25	138.61	4425.88
STEPHENS	808560	606981.774	3469069.337	4651.22	1/31/25	56.84	4594.38
THOMPSON 341	218341	599532.241	3467396.849	4596.73	2/4/25	176.86	4419.87
					7/15/25	177.56	4419.17
TM-02A	522574	604152.059	3472008.794	4808.43	2/26/25	344.77	4463.66
					8/26/25	345.90	4462.53

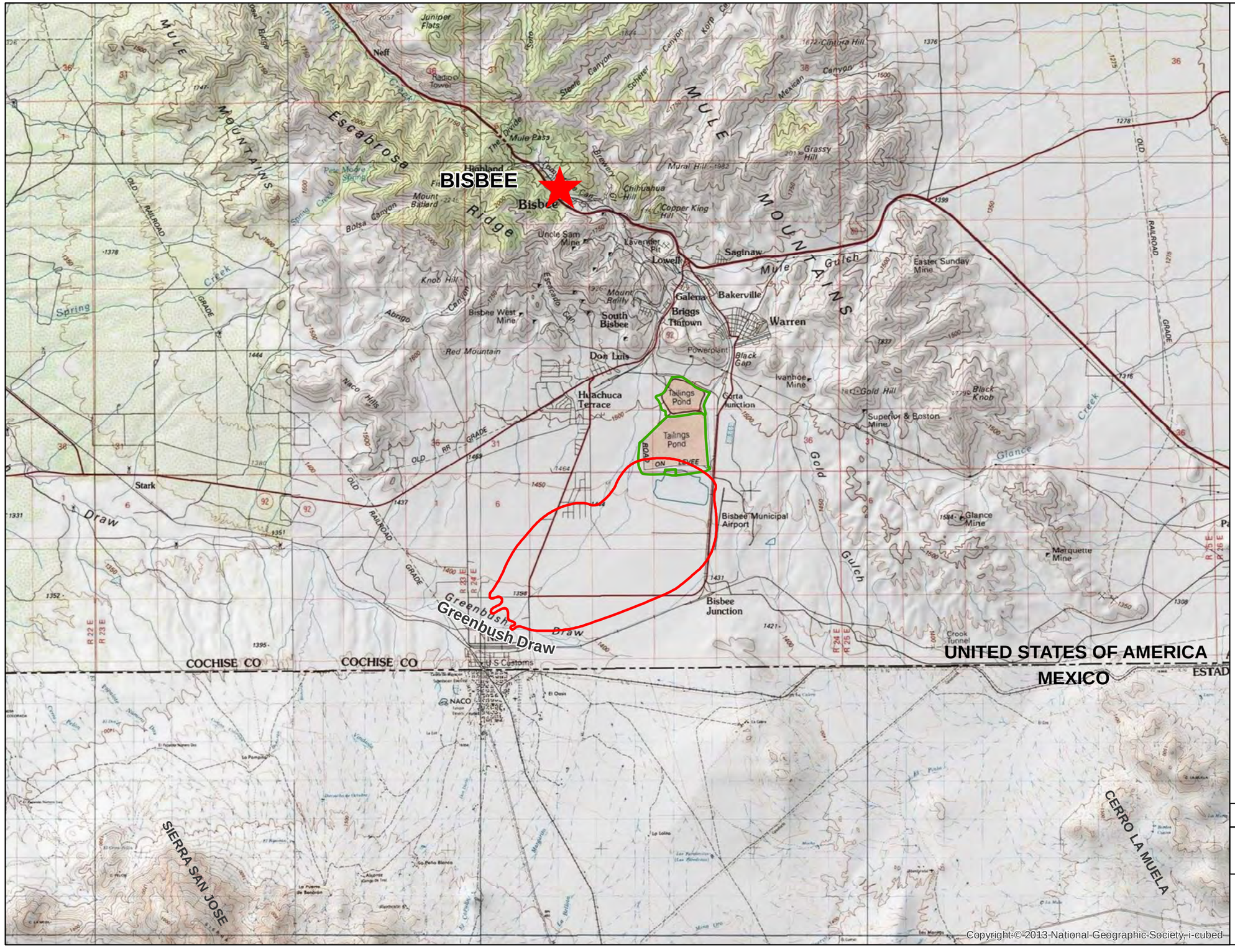
TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	3/4/25	165.12	4542.76
					7/17/25	164.43	4543.45
TM-07	522576	603007.461	3471919.441	4769.20	2/18/25	342.28	4426.92
					9/3/25	343.07	4426.13
TM-10 USBP	522696	601586.268	3471816.397	4741.18	1/31/25	258.65	4482.53
					8/22/25	269.48	4471.70
TM-15 MILLER	522699	599617.331	3471427.504	4729.25	8/18/25	306.29	4422.96
TM-16	522578	605588.075	3469842.199	4717.71	2/27/25	62.81	4654.90
					7/14/25	64.36	4653.35
TM-42	562554	603698.271	3469104.903	4666.67	3/4/25	225.66	4441.01
					8/6/25	225.75	4440.92
TVI 236	802236	600552.215	3467978.431	4561.98	1/28/25	136.73	4425.25
					7/15/25	137.45	4424.53
TVI 713	567713	600729.095	3468412.946	4567.22	2/6/25	140.99	4426.23
					8/21/25	141.70	4425.52
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	1/28/25	159.17	4427.72
					7/16/25	159.88	4427.01
WEISKOPF 897	220897	601096.787	3468647.350	4585.70	1/28/25	158.77	4426.93
					7/16/25	159.49	4426.21

Notes:
[1]Elevation estimated from Google Earth
35-71891 = ADWR 35 Database
ADWR = Arizona Department of Water Resources
ft amsl = feet above mean sea level
"DRY" = Well was dry
UTM = Universal Transverse Mercator Zone 12, North American Datum 1983 (NAD83)

Figures

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Legend

- CTSA Facility
- Estimated 250 mg/L Sulfate Concentration for Third Quarter 2025

Miles

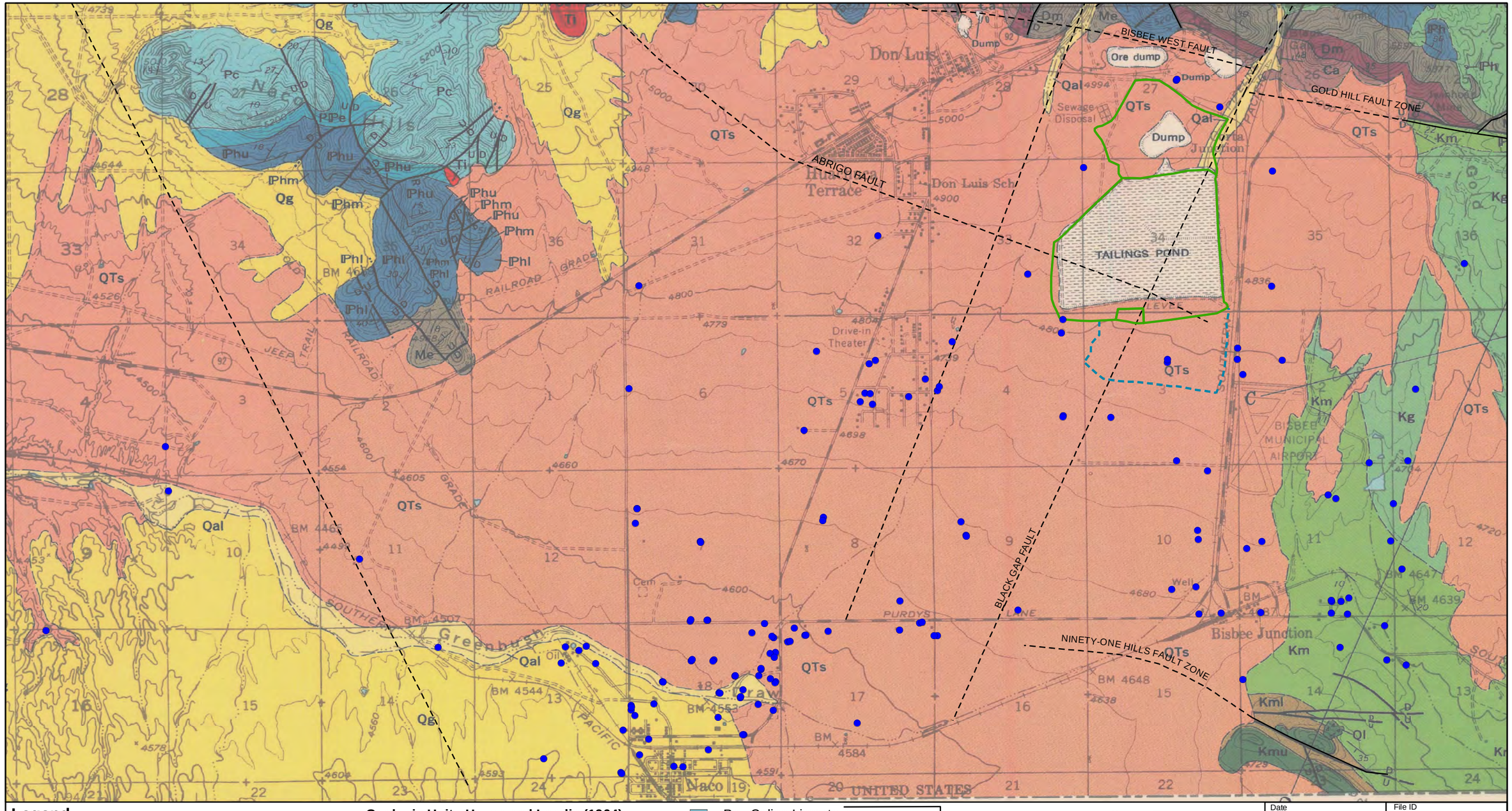
0 1 2

Projection: UTM Zone 12N NAD83

Date	File ID
3/18/2026	055038-634

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FIGURE 1
PROJECT LOCATION MAP



Legend

- Monitoring Location
- CTSA Facility
- Former Evaporation Ponds
- Fault (dashed where inferred)

Geologic Unit - Hayes and Landis (1964)

Basin Fill
- Qal - Quaternary Alluvium
- Qg - Quaternary Gravel
- QTs - Quaternary Tertiary sediment
- Ti - Tertiary Intrusive

Bisbee Group
- Kc - Cintura Formation (not shown)
- Kmu - Upper Mural Limestone
- Kml - Lower Mural Limestone
- Km - Morita Formation
- Kg - Glance Conglomerate

Paleozoic Sedimentary Formations
- Pc - Colina Limestone
- PPe - Earp Formation
- Phu, Phm, Phl - Horquilla Limestone
- Me - Escabrosa Limestone
- Dm - Martin Limestone
- Ca - Abrigo Limestone

See Figure 3 for Monitoring Location Names

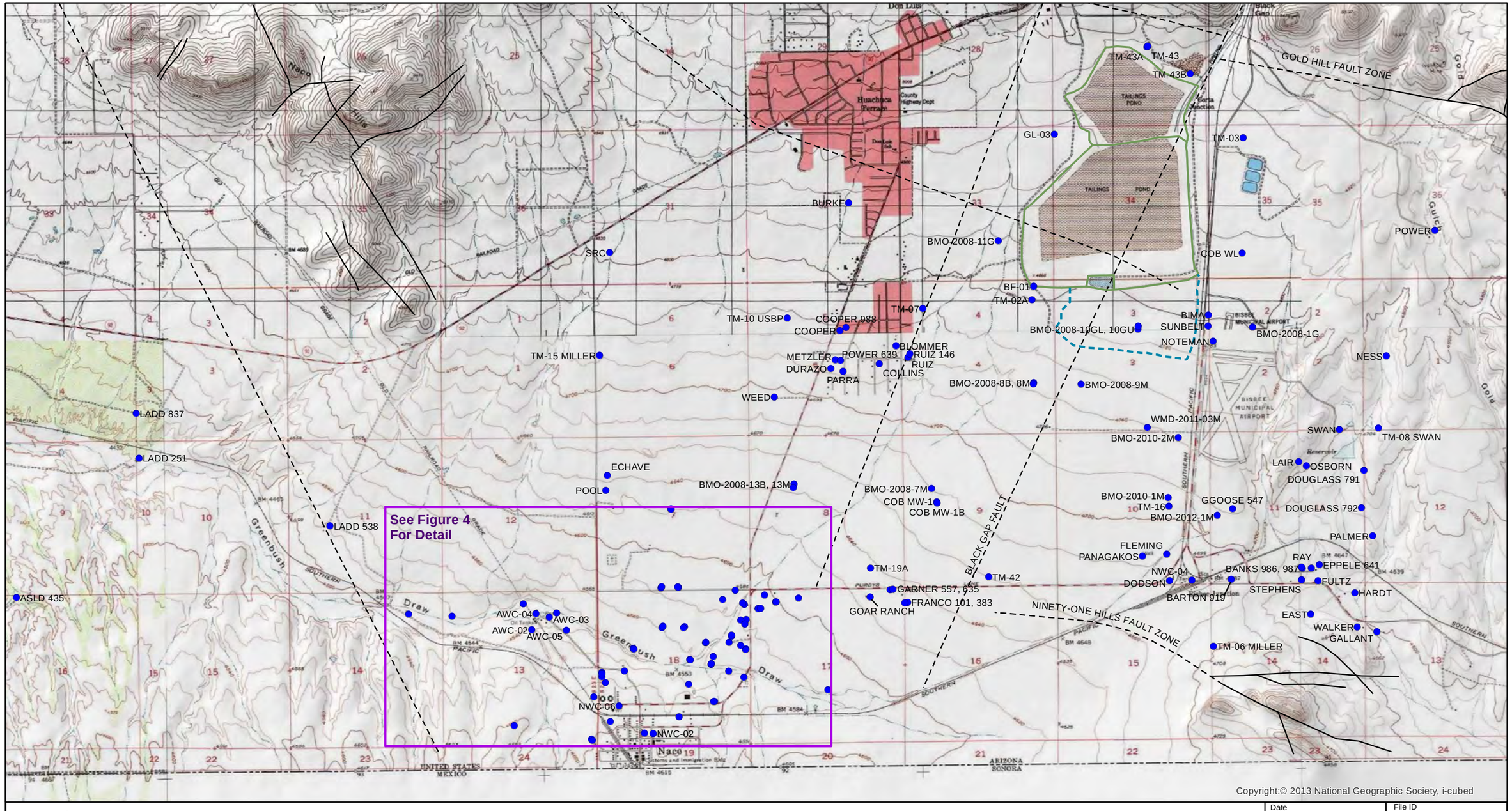
Scale (Feet)
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Projection: UTM Zone 12N NAD83
Geology reprinted from Hayes and Landis (1964) USGS Miscellaneous Geologic Investigations I-418

Date: 1/13/2026
File ID: 055038-567

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FIGURE 2
GEOLOGIC MAP
WITH MONITORING LOCATIONS



Legend

- Monitoring Location
- CTSA Facility
- Former Evaporation Ponds
- Fault (dashed where inferred)

Scale (Feet)

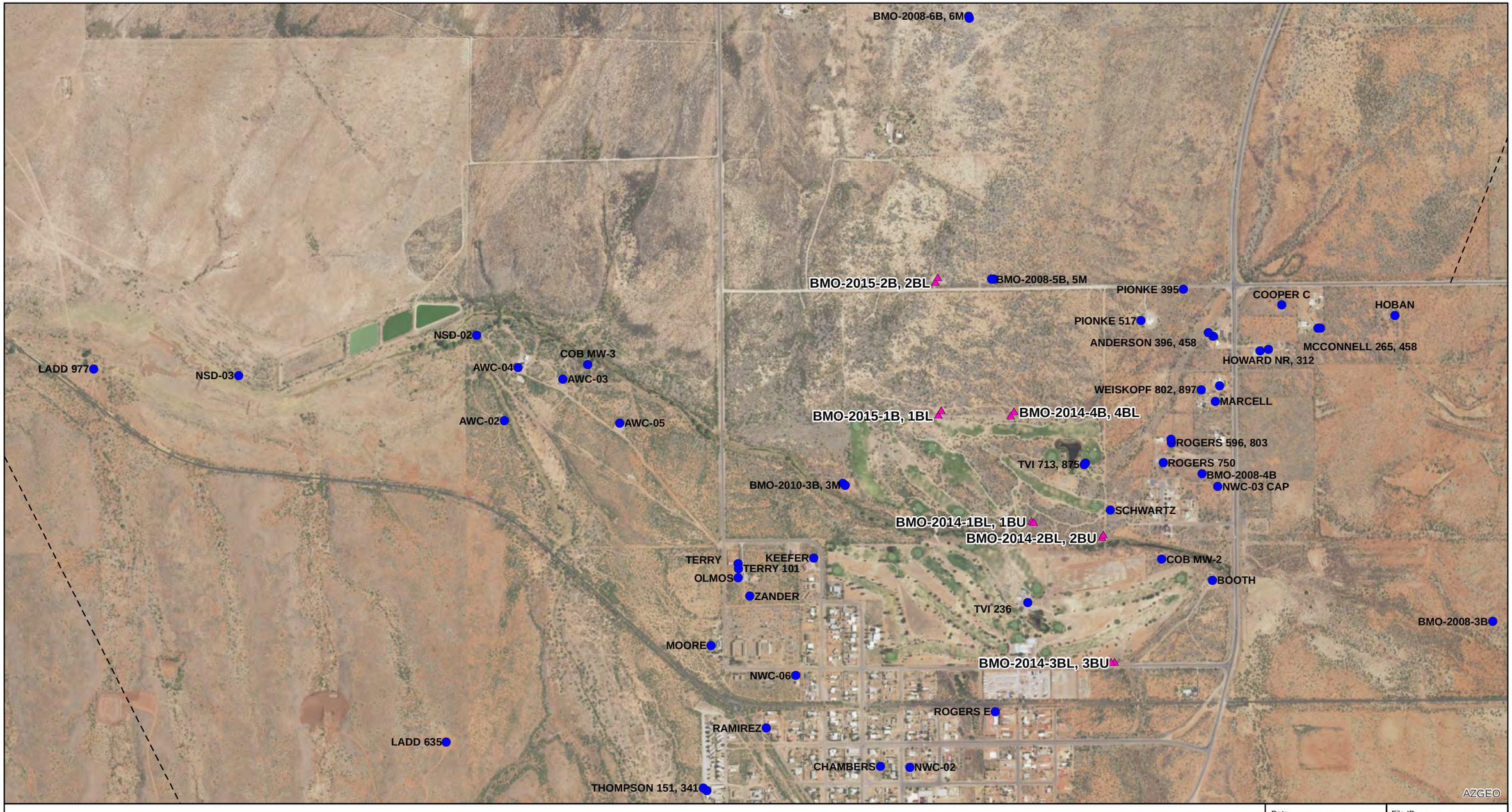
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Projection: UTM Zone 12N NAD83

Date	File ID
1/13/2026	055038-635

CLEAR CREEK ASSOCIATES

FIGURE 3
GROUNDWATER
MONITORING LOCATIONS



Legend

- ▲ Expanded Goundwater Monitoring Program Well
- ● Existing Well

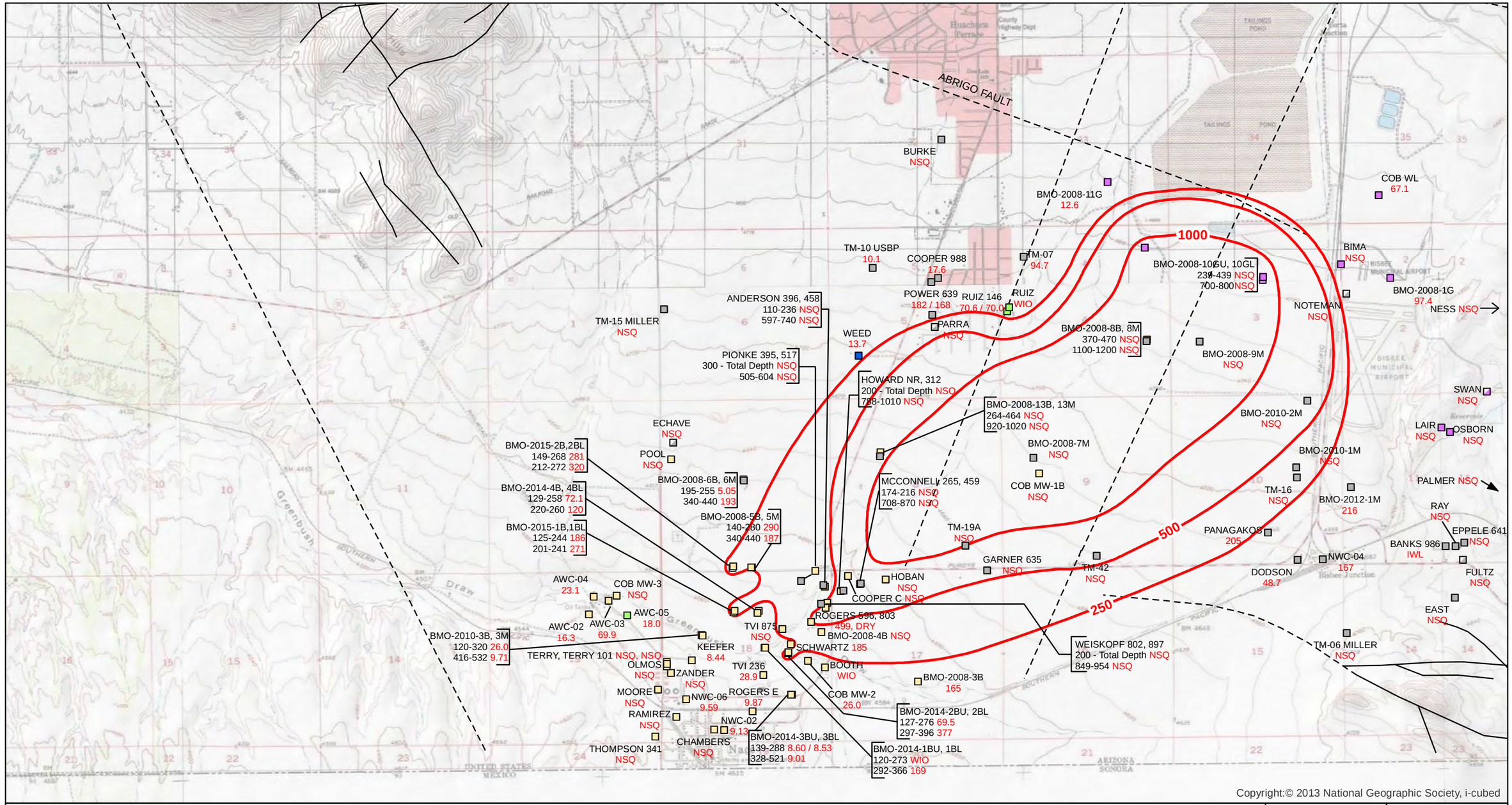
Scale (Feet)

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Projection: UTM Zone 12N
NAD83

Date 12/20/2023	File ID 055038-569
N	CLEAR CREEK ASSOCIATES

FIGURE 4
NACO AREA
WELL SITES



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Legend

- NWC-02 Well ID
- 9.13 Sulfate Concentration (mg/L) Duplicate results separated by "/"
- Sulfate Concentration Contour
- Fault (dashed where inferred)

Co-located Wells
- Well ID
- Screen (ft bls) Sulfate Concentration (mg/L)

Screened Formation
- Basin Fill
- Basin Fill and Undifferentiated Bisbee Group
- Undifferentiated Bisbee Group
- Undifferentiated Bisbee Group - Estimated
- Undifferentiated Bisbee Group and Glance Conglomerate
- Glance Conglomerate
- Glance Conglomerate - Estimated

Undifferentiated Bisbee Group: Cintura, Mural Limestone, and Morita Formations

Notes:
NSQ = Not Scheduled for Quarter
WIO = Well Inoperable
mg/L = milligrams per liter
ft bls = feet below land surface
Sulfate contours are based on represented and historical data.
Projection: UTM Zone 12N NAD83

Scale (Feet)
0 3,000 6,000

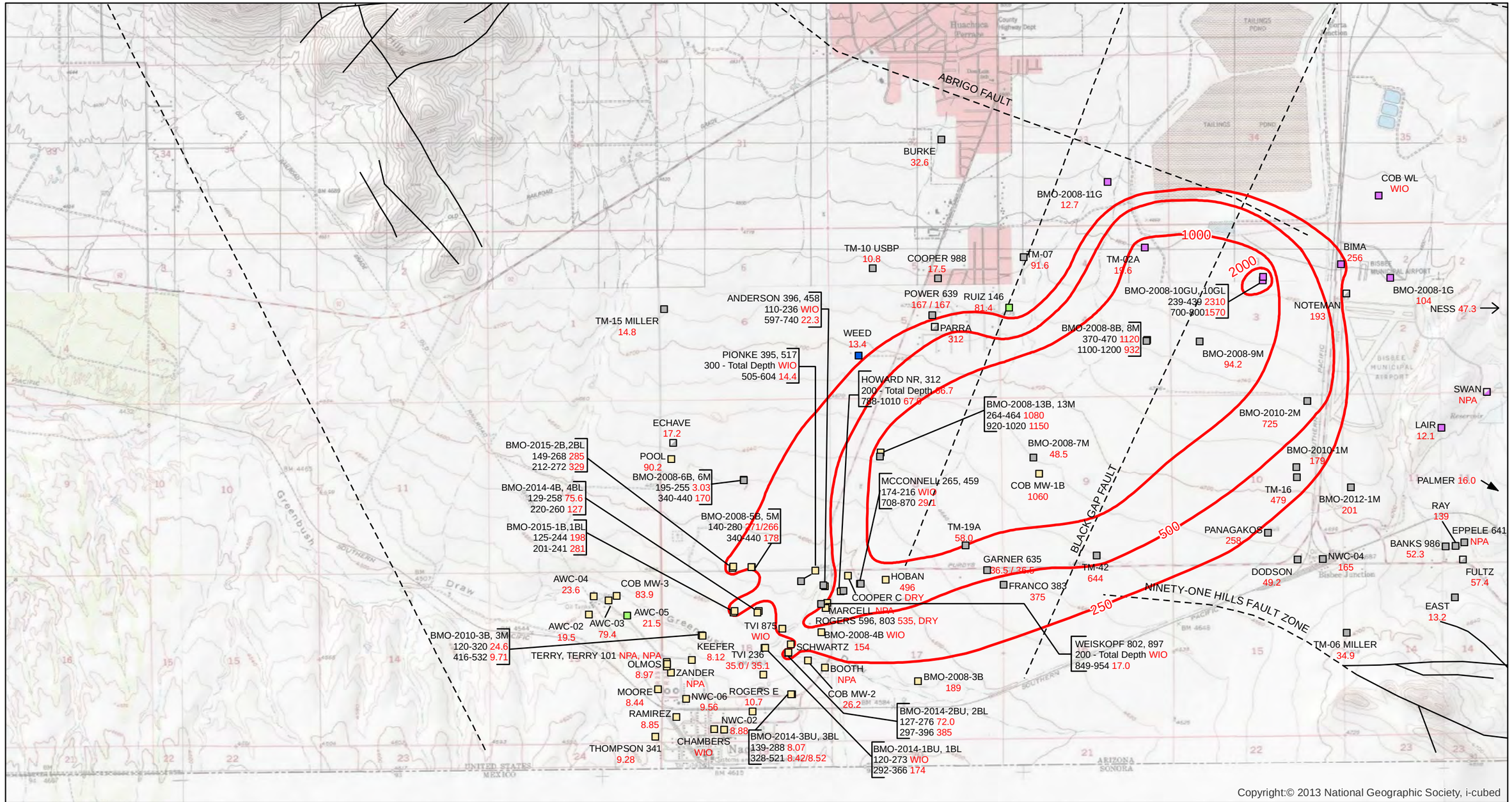
Projection: UTM Zone 12N
NAD83

Date 2/12/2026

File ID 055038-620

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FIGURE 5
SULFATE CONCENTRATIONS IN SITE-WIDE GROUNDWATER SAMPLES FOR FIRST QUARTER 2025



Legend

- NWC-02 Well ID
- 8.88 Sulfate Concentration (mg/L)
  Duplicate results separated by "/"
- Sulfate Concentration Contour
- Fault (dashed where inferred)

Co-located Wells
- Well ID
- Screen (ft bls) Sulfate Concentration (mg/L)

Screened Formation
- Basin Fill
- Basin Fill and Undifferentiated Bisbee Group
- Undifferentiated Bisbee Group
- Undifferentiated Bisbee Group - Estimated
- Undifferentiated Bisbee Group and Glance Conglomerate
- Glance Conglomerate
- Glance Conglomerate - Estimated

Undifferentiated Bisbee Group: Cintura, Mural Limestone, and Morita Formations

Notes:
NPA = No Property Access
WIO = Well Inoperable
mg/L = milligrams per liter
ft bls = feet below land surface
Sulfate contours are based on represented and historical data.
Projection: UTM Zone 12N NAD83

Scale (Feet)
0 3,000 6,000

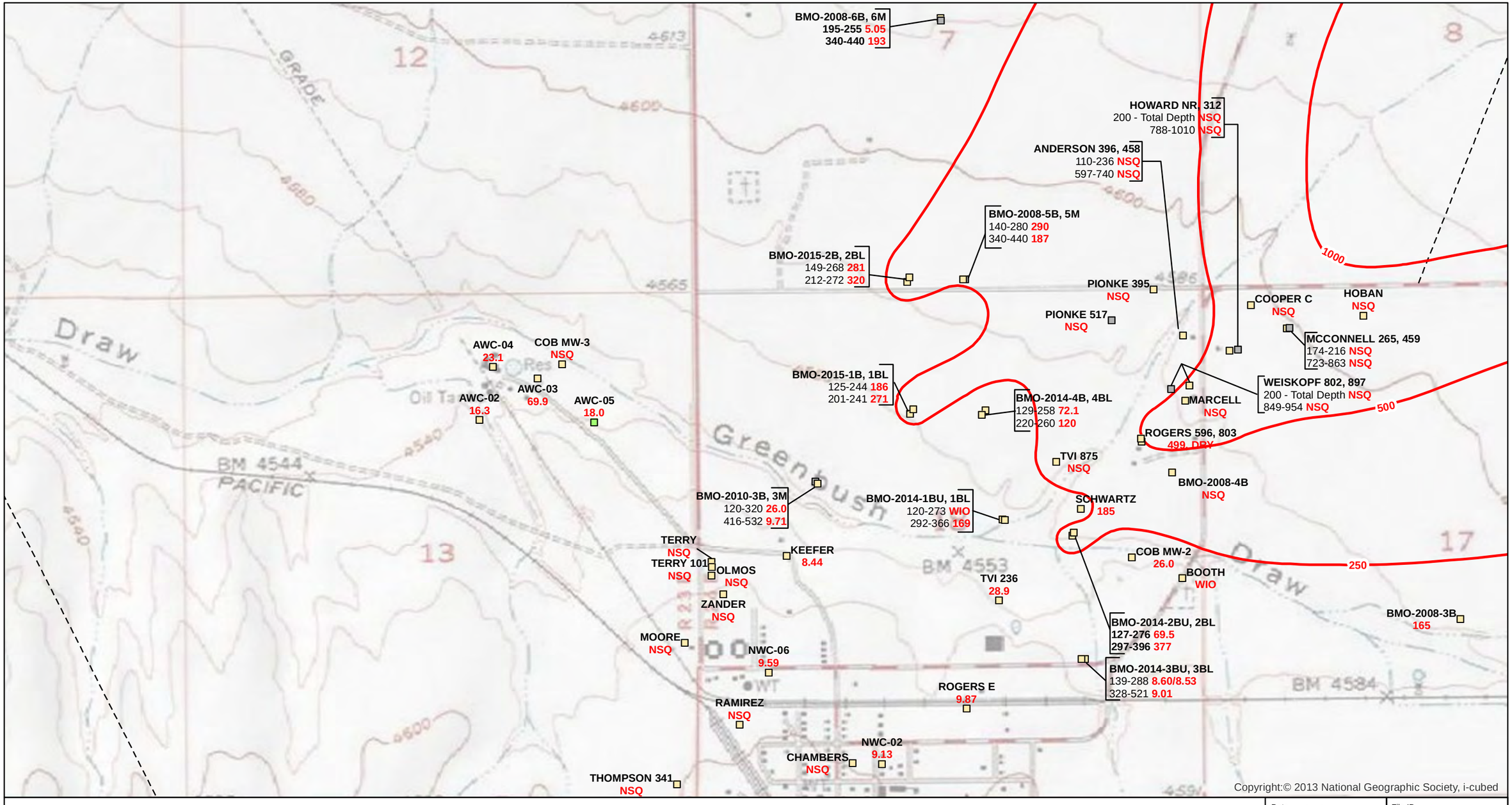
Projection: UTM Zone 12N
NAD83

Date 3/18/2026

File ID 055038-628

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FIGURE 6
SULFATE CONCENTRATIONS IN SITE-WIDE GROUNDWATER SAMPLES FOR THIRD QUARTER 2025



Legend

- **NWC-02** Well ID
- 9.13 Sulfate Concentration (mg/L)
- Duplicate results separated by "/"
- Sulfate Concentration Contour
- Fault (inferred)

Co-located Wells
- Well ID
- Screen (ft bls) Sulfate Concentration (mg/L)

Screened Formation
- Basin Fill
- Basin Fill and Undifferentiated Bisbee Group
- Undifferentiated Bisbee Group
- Undifferentiated Bisbee Group - Estimated
- Undifferentiated Bisbee Group and Glance Conglomerate
- Glance Conglomerate
- Glance Conglomerate - Estimated

Undifferentiated Bisbee Group: Cintura, Mural Limestone, and Morita Formations

Notes:
NSQ = Not Scheduled for Quarter
WIO = Well Inoperable
mg/L = milligrams per liter
ft bls = feet below land surface
Sulfate contours are based on represented and historical data.

Scale (Feet)
0 1,000 2,000

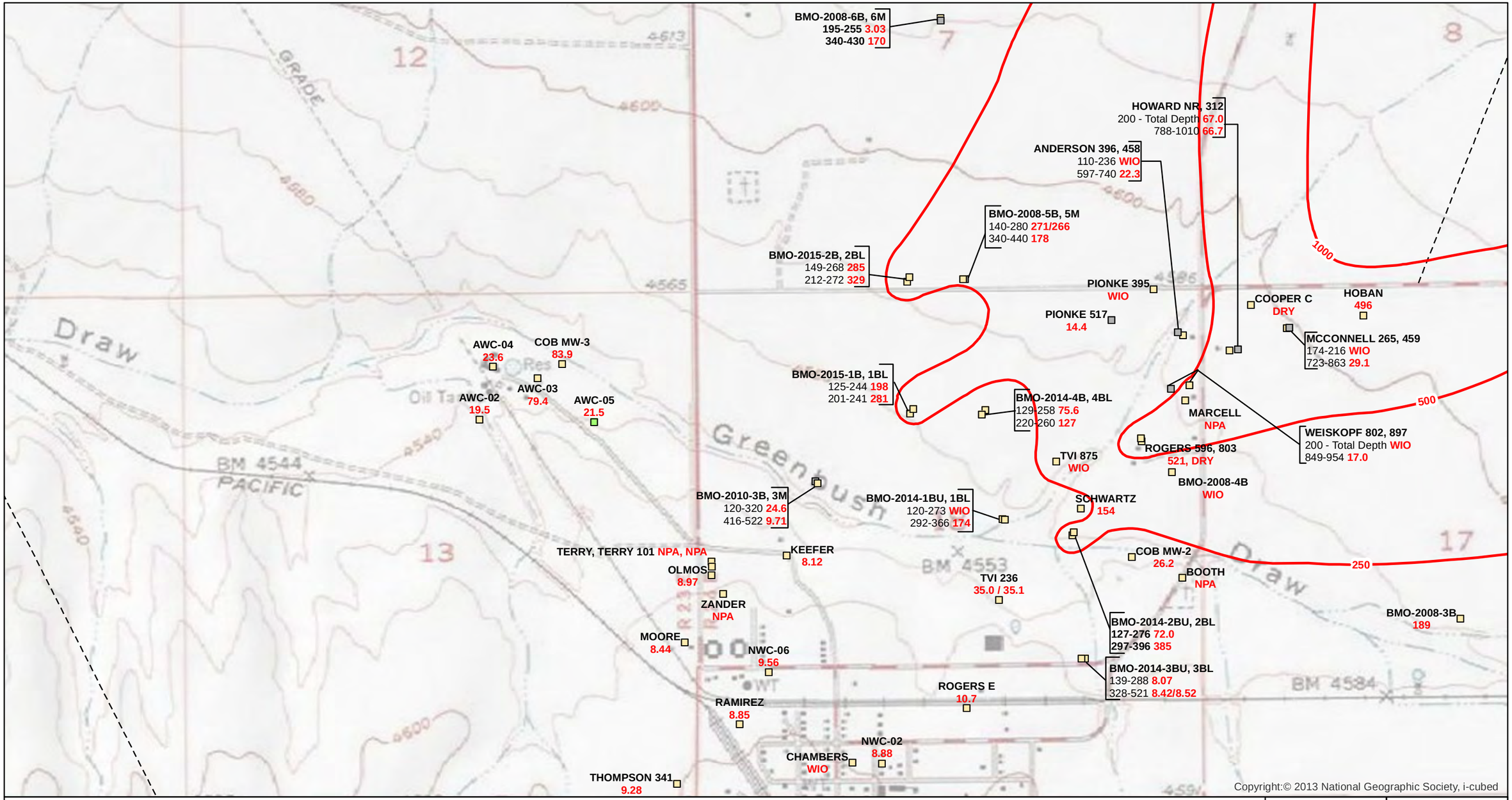
Projection: UTM Zone12N
NAD83

Date 2/13/2026

File ID 055038-622

CLEAR CREEK ASSOCIATES

FIGURE 7
SULFATE CONCENTRATIONS AT THE WEST EDGE OF THE PLUME FOR FIRST QUARTER 2025



Legend

- **NWC-02** Well ID
- 8.88 Sulfate Concentration (mg/L)
- Duplicate results separated by "/"
- Sulfate Concentration Contour
- Fault (Inferred)

Co-located Wells
- Well ID
- Screen (ft bls) Sulfate Concentration (mg/L)

Screened Formation
- Basin Fill
- Basin Fill and Undifferentiated Bisbee Group
- Undifferentiated Bisbee Group
- Undifferentiated Bisbee Group - Estimated
- Undifferentiated Bisbee Group and Glance Conglomerate
- Glance Conglomerate
- Glance Conglomerate - Estimated

Undifferentiated Bisbee Group: Cintura, Mural Limestone, and Morita Formations

Notes:
NPA = No Property Access
WIO = Well Inoperable
mg/L = milligrams per liter
ft bls = feet below land surface
Sulfate contours are based on represented and historical data.

Scale (Feet)
0 1,000 2,000

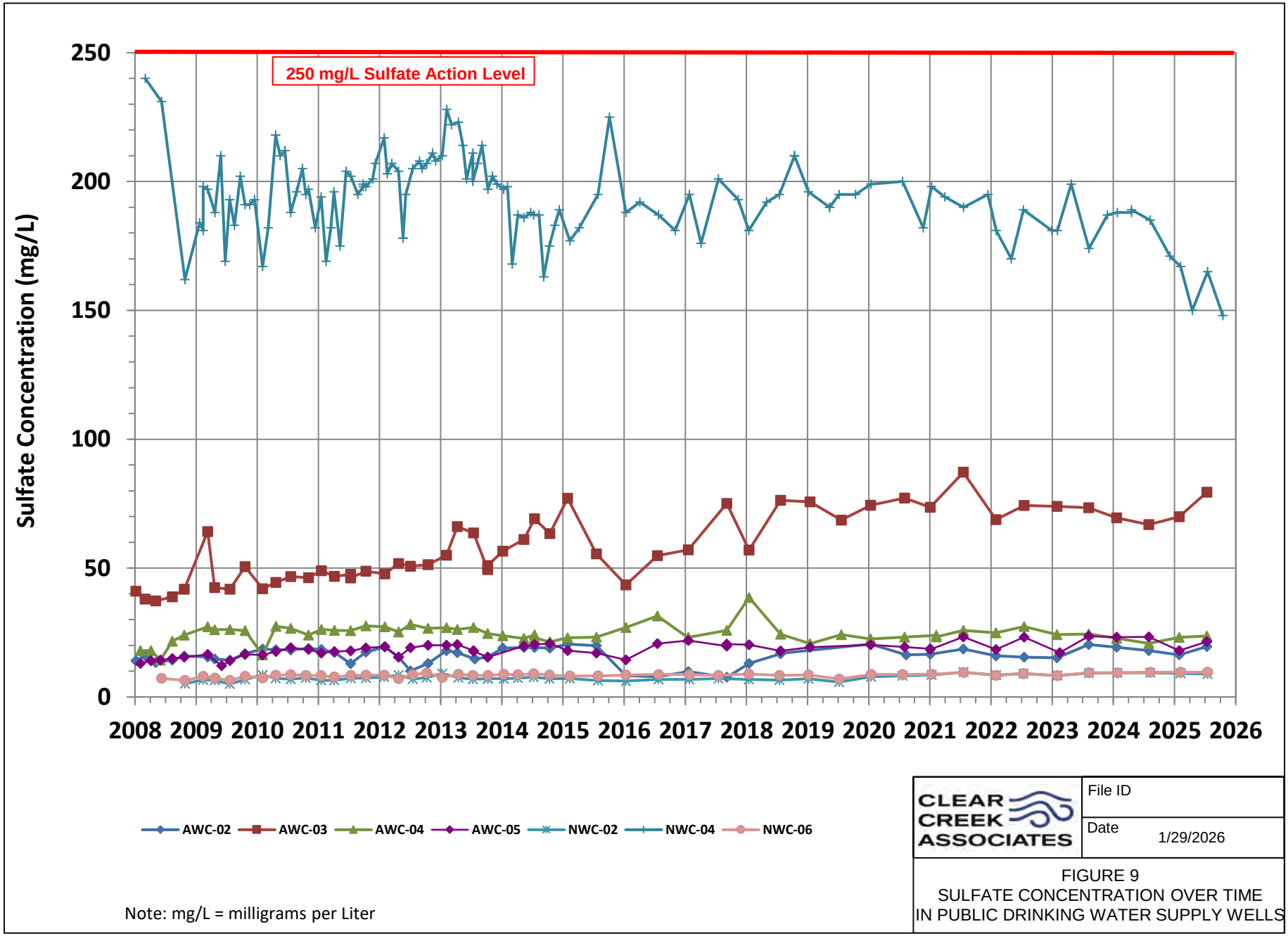
Projection: UTM Zone12N
NAD83

Date 1/30/2026

File ID 055038-629

CLEAR CREEK ASSOCIATES

FIGURE 8
SULFATE CONCENTRATIONS AT THE WEST EDGE OF THE PLUME FOR THIRD QUARTER 2025



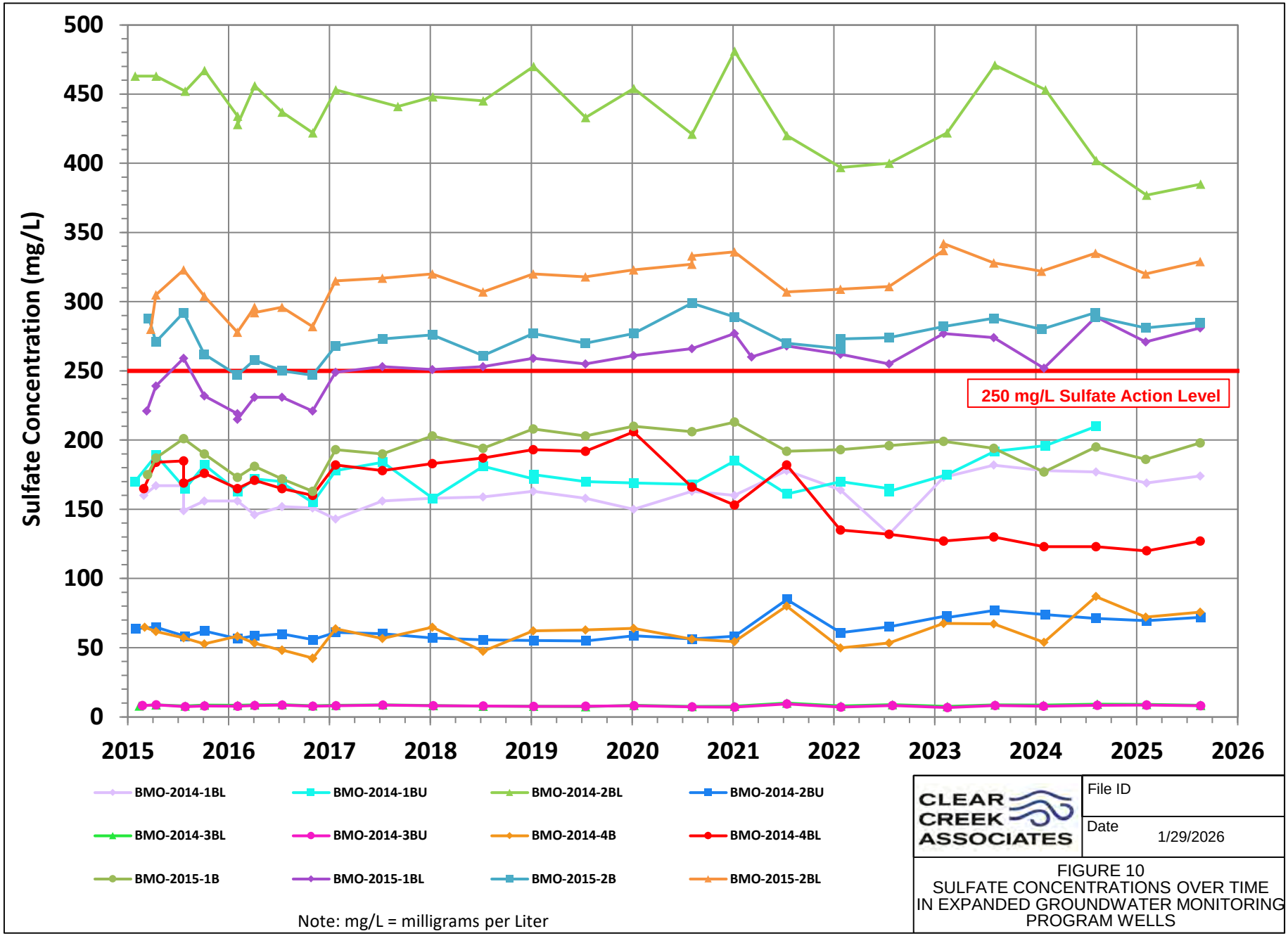
Note: mg/L = milligrams per Liter

CLEAR CREEK ASSOCIATES

File ID

Date 1/29/2026

FIGURE 9
SULFATE CONCENTRATION OVER TIME
IN PUBLIC DRINKING WATER SUPPLY WELLS



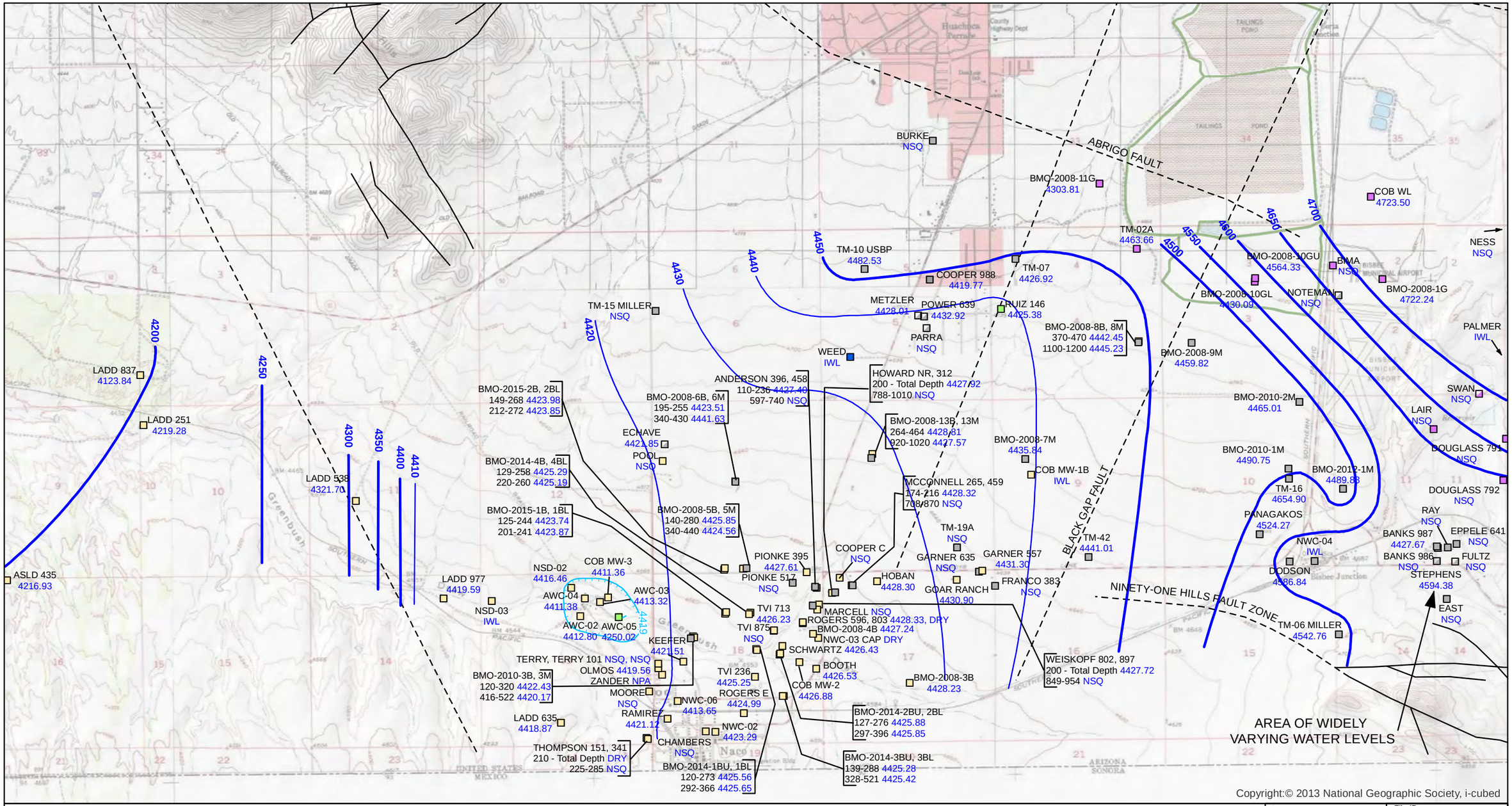
Note: mg/L = milligrams per Liter

CLEAR CREEK ASSOCIATES

File ID

Date 1/29/2026

FIGURE 10
SULFATE CONCENTRATIONS OVER TIME
IN EXPANDED GROUNDWATER MONITORING
PROGRAM WELLS



Legend

- AWC-04 Well ID
- 4418.00 Groundwater Elevation (ft amsl)
- Groundwater Elevation Contour (10 ft)
- Groundwater Elevation Contour (50 ft) (dashed where inferred)
- Groundwater Elevation Depression Contour (1 ft)
- Faults (dashed where inferred)
- CTSA Facility

Co-located Wells
- Well ID
- Screen (ft bls) Water Elevation (ft amsl)

Screened Formation
- Basin Fill
- Basin Fill and Undifferentiated Bisbee Group
- Undifferentiated Bisbee Group
- Undifferentiated Bisbee Group - Estimated
- Undifferentiated Bisbee Group and Glance Conglomerate
- Glance Conglomerate
- Glance Conglomerate-Estimated

Undifferentiated Bisbee Group: Cintura, Mural Limestone, and Morita Formations

Notes:
IWL = Inaccesible for Water Level
NPA = No Property Access
NSQ = Not Scheduled for Quarter
* indicates a pumping WL
ft amsl = feet above mean sea level
ft bls = feet below land surface

Scale (Feet)
0 3,000 6,000

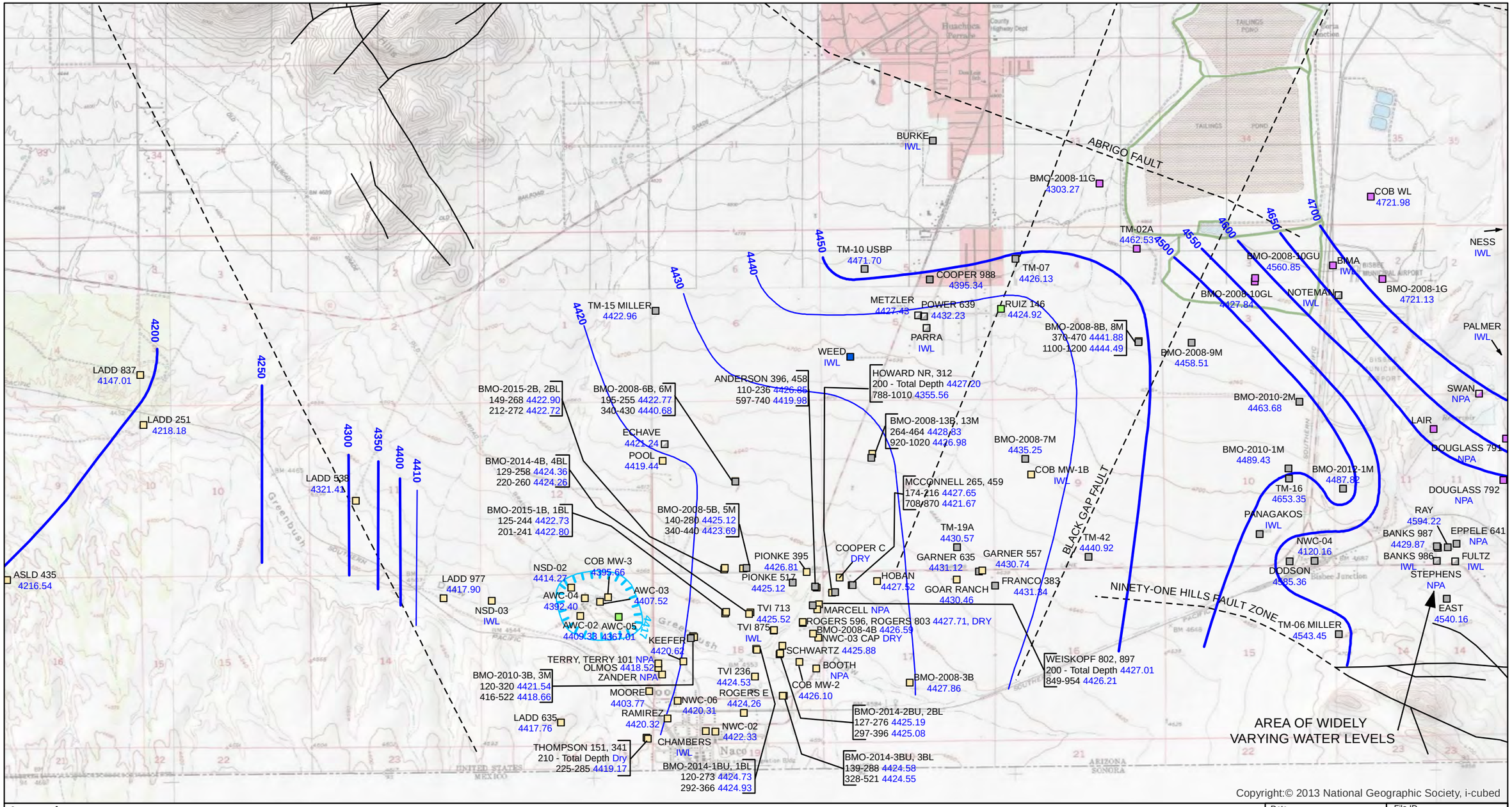
Projection: UTM Zone 12N NAD83

Date 2/6/2026

File ID 055038-619

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FIGURE 11
SITE-WIDE
GROUNDWATER ELEVATIONS
FOR FIRST QUARTER 2025



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Legend

- AWC-04 Well ID
- 4392.40 Groundwater Elevation (ft amsl)
- Groundwater Elevation Contour (10 ft)
- Groundwater Elevation Contour (50 ft) (dashed where inferred)
- Groundwater Elevation Depression Contour (1 ft)
- Faults (dashed where inferred)
- CTSA Facility

Co-located Wells

- Well ID
- Screen (ft bls) Water Elevation (ft amsl)

Screened Formation

- Basin Fill
- Basin Fill and Undifferentiated Bisbee Group
- Undifferentiated Bisbee Group
- Undifferentiated Bisbee Group - Estimated
- Undifferentiated Bisbee Group and Glance Conglomerate
- Glance Conglomerate
- Glance Conglomerate-Estimated

Undifferentiated Bisbee Group: Cintura, Mural Limestone, and Morita Formations

Notes:
IWL = Inaccesible for Water Level
NPA = No Property Access
NSQ = Not Scheduled for Quarter
ft amsl = feet above mean sea level
ft bls = feet below land surface

Scale (Feet)
0 3,000 6,000

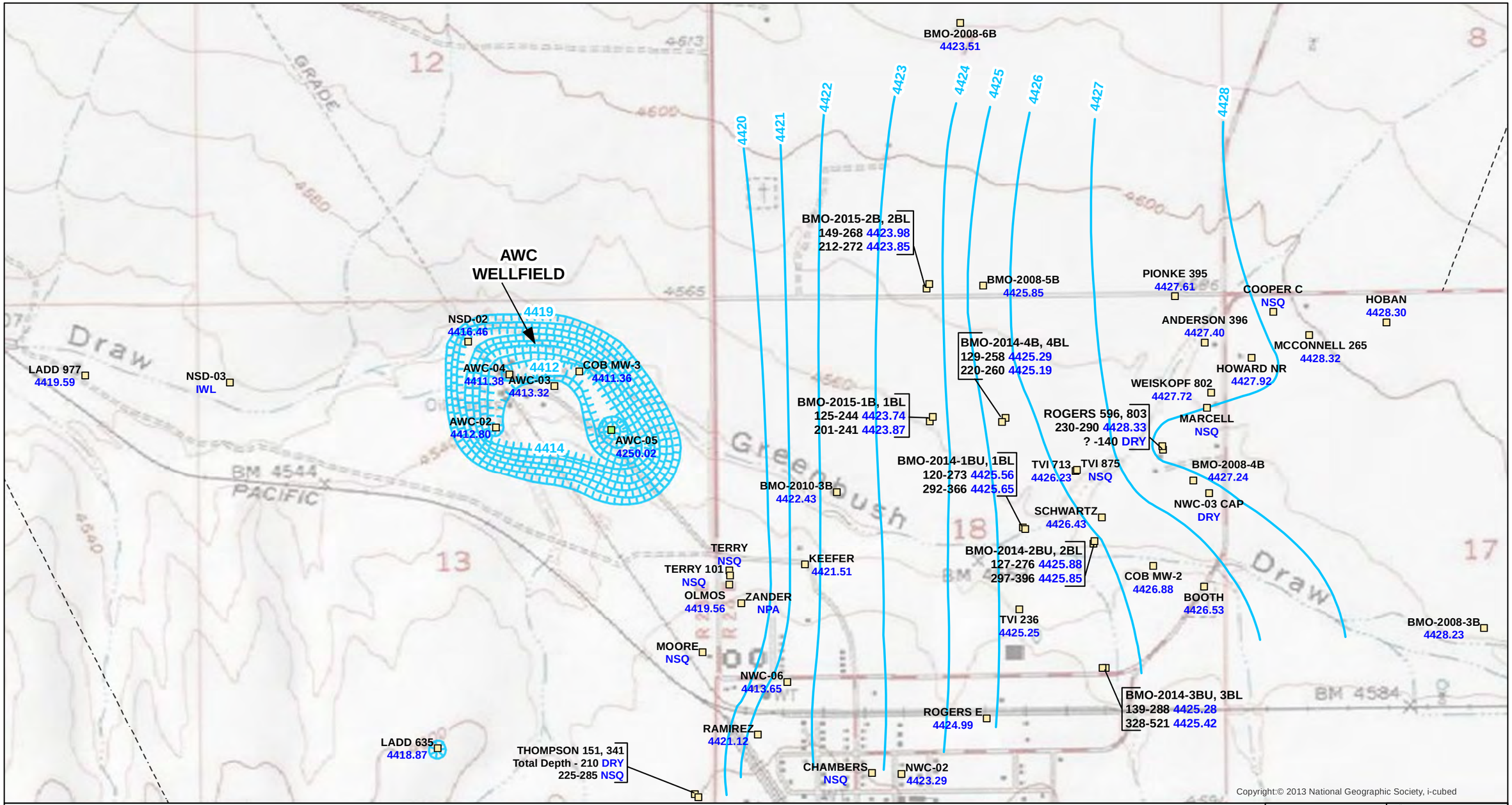
Projection: UTM Zone 12N NAD83

Date 2/6/2026

File ID 055038-630

CLEAR CREEK ASSOCIATES

FIGURE 12
SITE-WIDE
GROUNDWATER ELEVATIONS
FOR THIRD QUARTER 2025



Legend

- **AWC-02** Well ID
- 4412.80 Groundwater Elevation (ft amsl)
- Groundwater Elevation Contour (1 ft)
- Groundwater Elevation Depression Contour (1 ft)
- Fault (inferred)

Co-located Wells
- Well ID
- Screen (ft bls) Water Elevation (ft amsl)

Screened Formation
- Basin Fill
- Basin Fill and Undifferentiated Bisbee Group
- Undifferentiated Bisbee Group
- Undifferentiated Bisbee Group - Estimated
- Undifferentiated Bisbee Group and Glance Conglomerate
- Glance Conglomerate
- Glance Conglomerate-Estimated

Undifferentiated Bisbee Group: Cintura, Mural Limestone, and Morita Formations

Notes:
DRY = Well is dry
IWL = Inaccessible for water level
NPA = No property access
NSQ = Not scheduled for quarter
ft amsl = feet above mean sea level
ft bls = feet below land surface

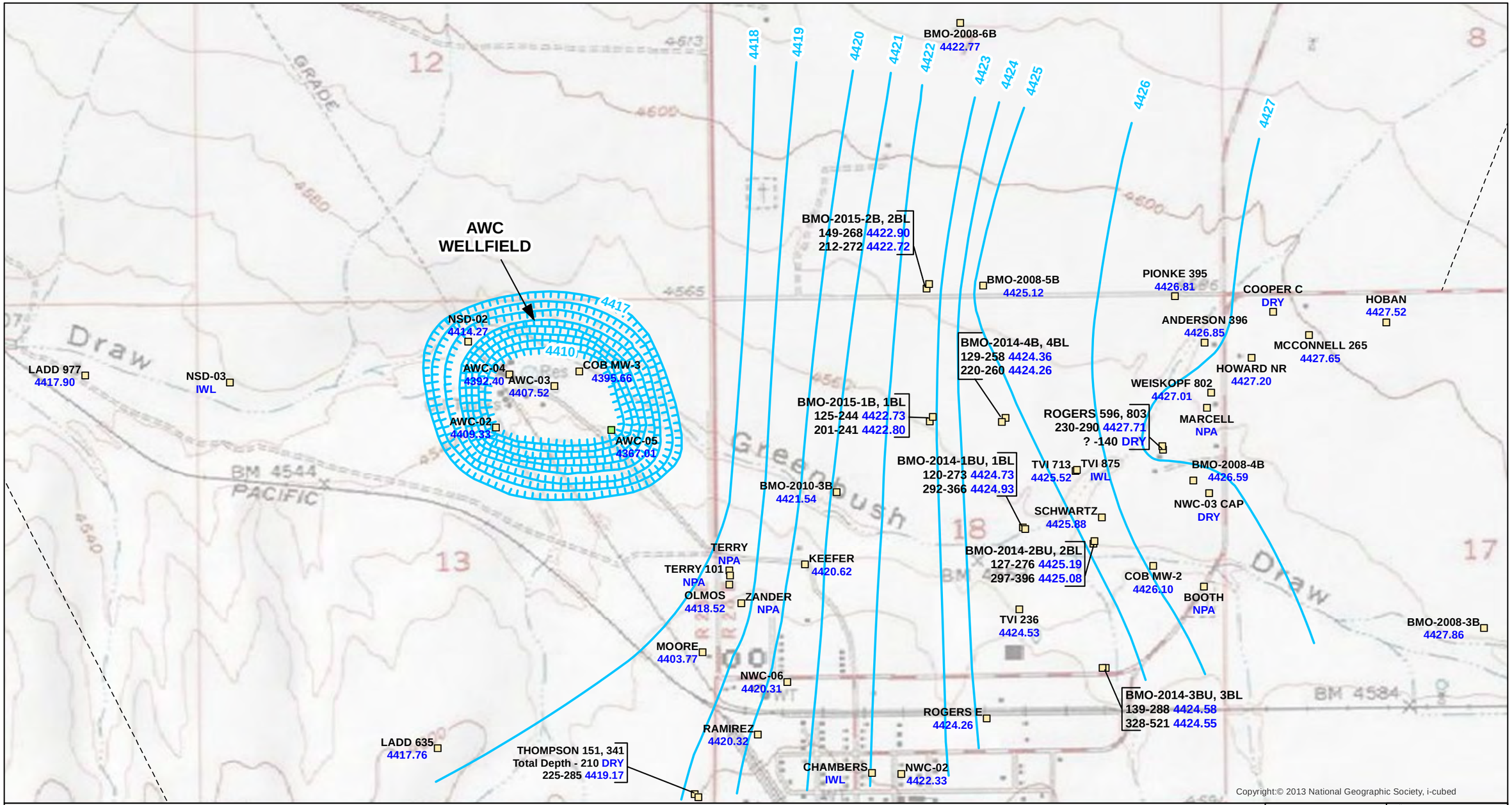
Scale (Feet)
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Projection: UTM Zone 12N
NAD83

Date	File ID
3/18/2026	055038-621

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FIGURE 13
BASIN FILL
GROUNDWATER ELEVATIONS
AT THE WEST EDGE OF THE PLUME
FOR FIRST QUARTER 2025



Legend

- **AWC-04** Well ID
- 4392.40 Groundwater Elevation (ft amsl)
- Groundwater Elevation Contour (1 ft)
- Groundwater Elevation Depression Contour (1 ft)
- Fault (inferred)

Co-located Wells
- Well ID
- Screen (ft bls) Water Elevation (ft amsl)

Screened Formation
- Basin Fill
- Basin Fill and Undifferentiated Bisbee Group
- Undifferentiated Bisbee Group
- Undifferentiated Bisbee Group - Estimated
- Undifferentiated Bisbee Group and Glance Conglomerate
- Glance Conglomerate
- Glance Conglomerate-Estimated

Undifferentiated Bisbee Group: Cintura, Mural Limestone, and Morita Formations

Notes:
IWL = Inaccesible for Water Level
NPA = No Property Access
ft amsl = feet above mean sea level
ft bls = feet below land surface

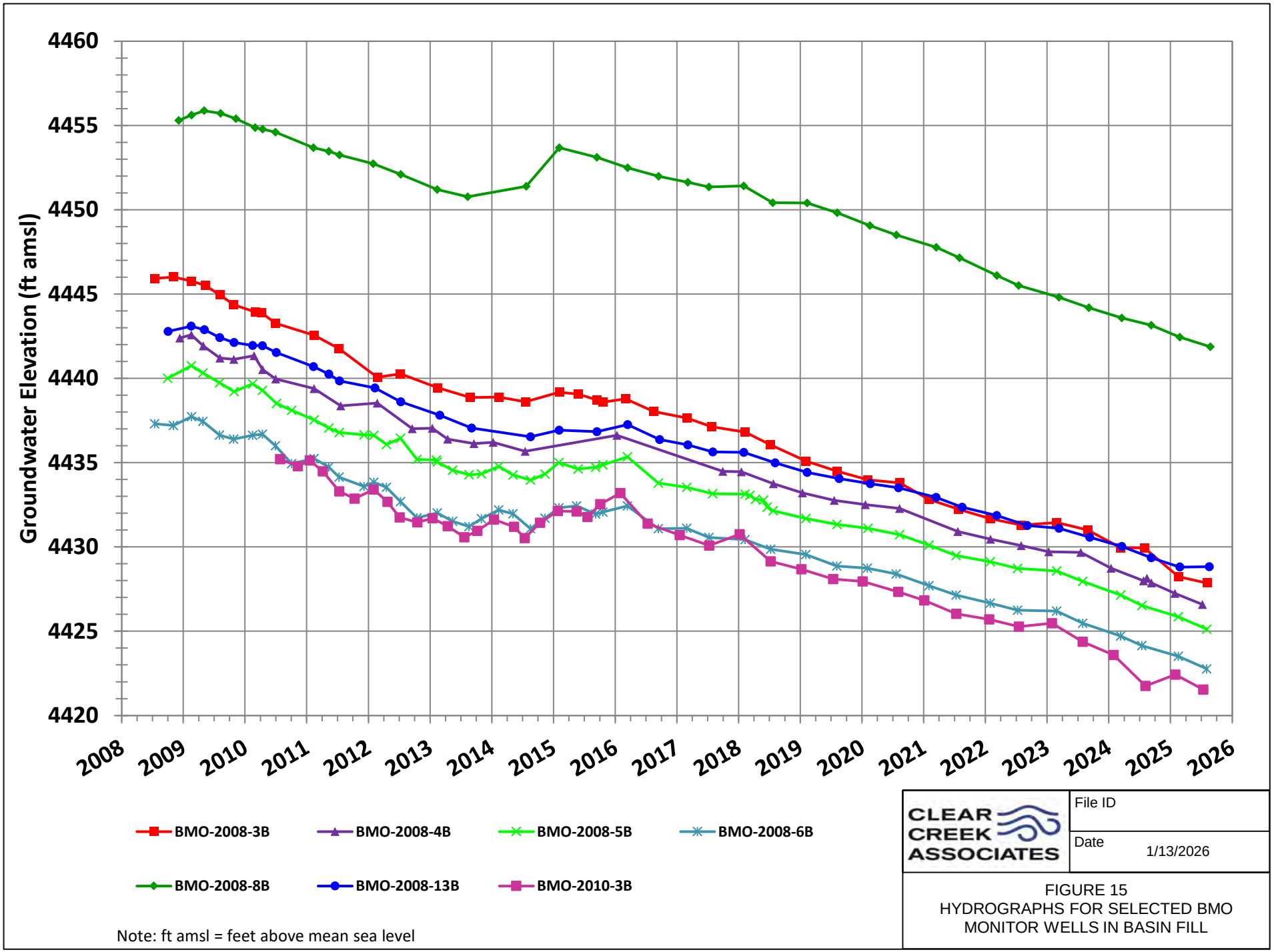
Scale (Feet)
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Projection: UTM Zone 12N
NAD83

Date	File ID
2/6/2026	055038-631

CLEAR CREEK ASSOCIATES

FIGURE 14
BASIN FILL
GROUNDWATER ELEVATIONS
AT THE WEST EDGE OF THE PLUME
FOR THIRD QUARTER 2025



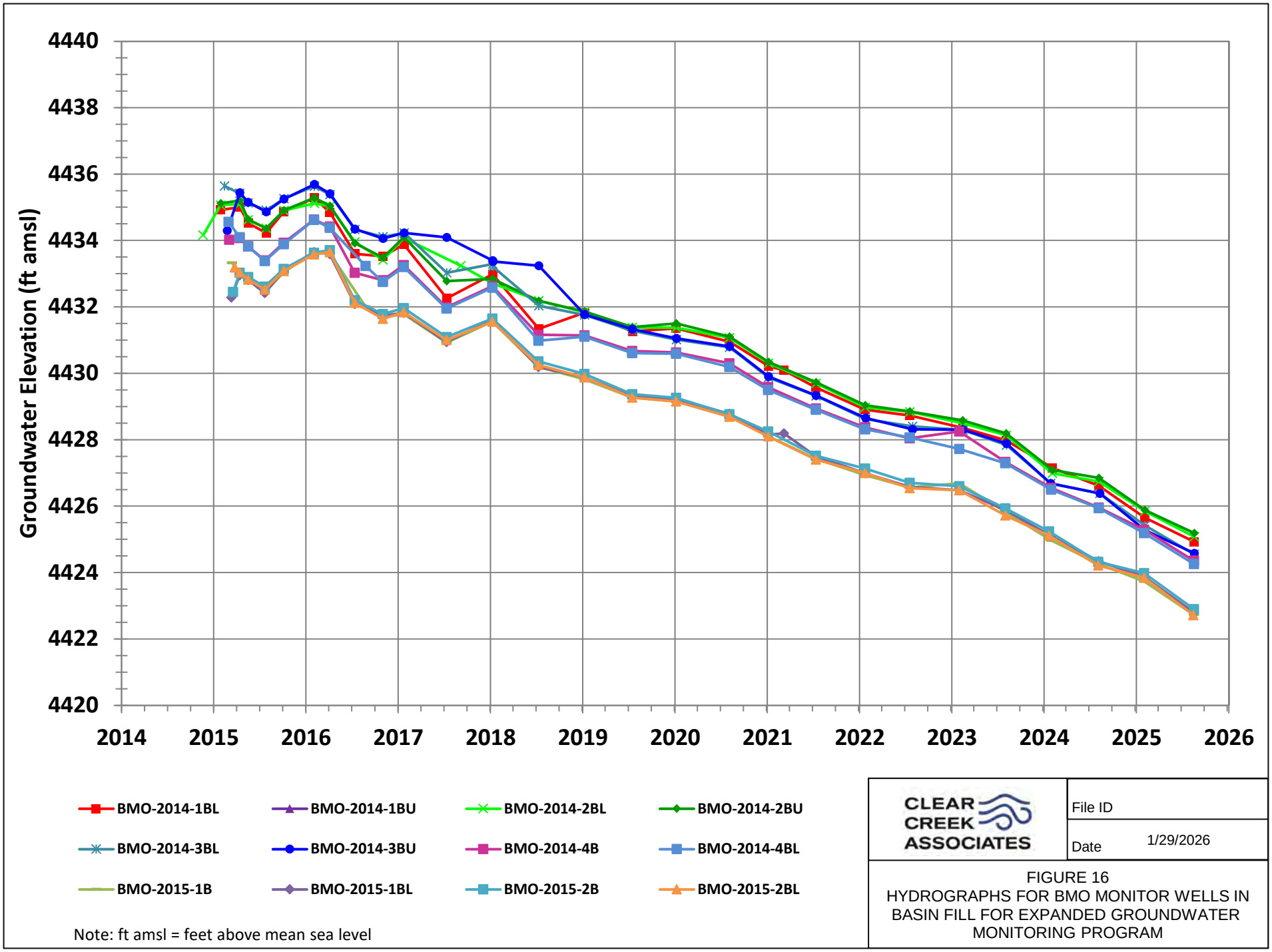
Note: ft amsl = feet above mean sea level

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File ID

Date 1/13/2026

FIGURE 15
HYDROGRAPHS FOR SELECTED BMO MONITOR WELLS IN BASIN FILL



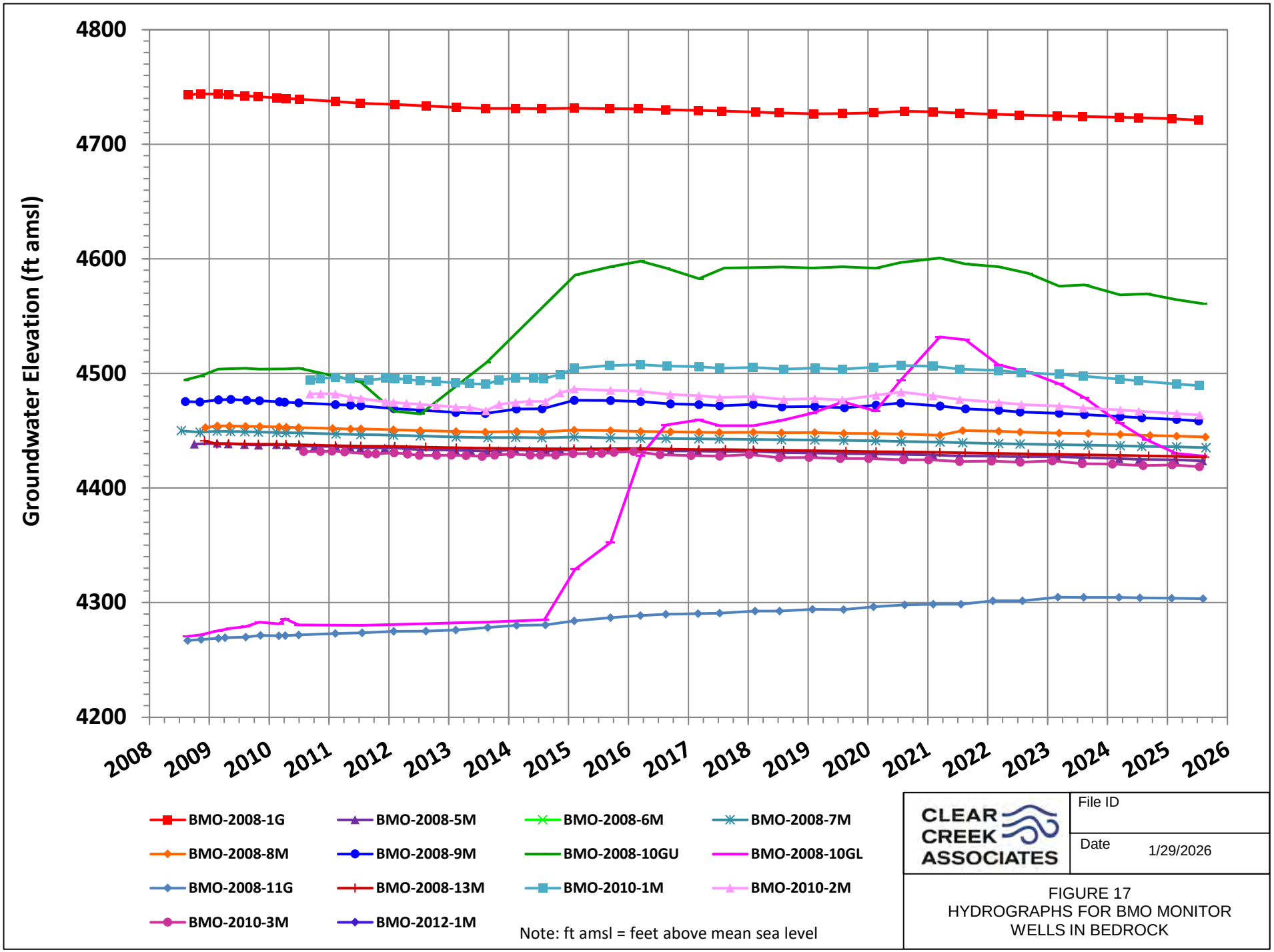
Note: ft amsl = feet above mean sea level

CLEAR CREEK ASSOCIATES

File ID

Date 1/29/2026

FIGURE 16
HYDROGRAPHS FOR BMO MONITOR WELLS IN BASIN FILL FOR EXPANDED GROUNDWATER MONITORING PROGRAM



Note: ft amsl = feet above mean sea level

CLEAR CREEK ASSOCIATES

File ID

Date 1/29/2026

FIGURE 17
HYDROGRAPHS FOR BMO MONITOR WELLS IN BEDROCK

Appendix A

Groundwater Sampling Forms

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080 Client: Freeport-McMoran Sierrita, Inc.

Task No: 3.2 Date: 2/5/2025

Well ID: ANDERSON-396 Weather: SUNNY

ADWR No: 613396 Sampler: SS

WELL DATA

Well Depth (ft bls): 285

Casing Diameter (in): 8

Static Water Level (ft bmp): 161.11

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: WLO

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No:	CC18.1080	Client:	Freeport-McMoran Sierrita, Inc.
Task No:	3.2	Date:	2/5/2025
Well ID:	ANDERSON-458	Weather:	SUNNY
ADWR No:	221458	Sampler:	JS

WELL DATA

Well Depth (ft bls):	734
Casing Diameter (in):	5
Static Water Level (ft bmp):	161.93
Casing Volume (gal):	x3 =
Total Volume Purged (gal):	

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 | Client: Freeport Copper Queen Branch

Task No: 2 | Date: 1/29/2025

Well ID: AWC-02 | Weather: Sunny, Clear

ADWR No: 616586 | Sampler: SS

WELL DATA

Well Depth (ft bls):	337
Casing Diameter (in):	20
~~Static~~ Water Level (ft bmp):	194.34* (pumping)
Casing Volume (gal):	2,262 x3 = 6,785
Total Volume Purged (gal):	2,406 +

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
(20)	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1104*	Pump On						
1114	10 +	60	666 +	7.29	20.3	533.4	
1131	27 +	60	1,686 +	7.37	20.0	545.3	Myron calibrated at 1120
1139	35 +	60	2,166 +	7.31	20.3	548.4	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: (Spigot at / near wellhead) Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
AWC-02	1143	poly	250	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected. pumping
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [ ] Purged 3 well volumes and field parameters stabilized.
- [x] Purged 3 well volumes based on previous water level and field parameters stabilized. See notes.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: * pumping on arrival. Hand filter. Pump running since ~0800 Hand filter. Pump running for ~228 minutes at time of sample. Estimated purge ~13,000 gallons. Historical casing volume ~3,200 gallons.
* Resounded 2/12/2025 → 134.84' bmp w/ pump off.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 | Client: Freeport Copper Queen Branch

Task No: 2 | Date: 1/29/2025

Well ID: AWC-03 | Weather: Sunny, Clear

ADWR No: 616585 | Sampler: JS

WELL DATA

Well Depth (ft bls): 270

Casing Diameter (in): 16

Static Water Level (ft bmp): 128.60*

Casing Volume (gal): 1476 x3 = 4,428

Total Volume Purged (gal): 6,200

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1029	Pump On						
1031	2	740	1,481	7.31	19.2	533.6	
1034	5	610	3,317	7.32	20.1	526.9	
1038	9	576	5,624	7.32	20.3	526.6	
							Pump Off 1046

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
AWC-03	1040	poly	250	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☑ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: Unable to sound, pond too narrow of CCA sounder. AWC does not have sounder handy. Pump off for about an hour before pump on time.

* Sounded w/ SWL on 2/12/2025 → 126.2' bmp w/ AWC sounder.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 | Client: Freeport Copper Queen Branch

Task No: 2 | Date: 1/29/2025

Well ID: AWC-04 | Weather: Sunny, windy

ADWR No: | Sampler: JS

WELL DATA

Well Depth (ft bls):	337
Casing Diameter (in):	16
Static Water Level (ft bmp):	131.29*
Casing Volume (gal):	2,148 x3 = 6,443
Total Volume Purged (gal):	10,759

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
(16)	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1221	Pump On						
1224	3	690	2,093	7.03	19.3	731.6	
1226	5	690	3,473	7.09	19.4	731.3	
1230	9	660	6,139	7.05	19.1	730.1	
							Pump Off 1244

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: (Spigot at / near wellhead) Other:

Sample ID	Time	~~Container~~ Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
AWC-04	1237	poly	250	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field parameters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: Pump off for ~20 hrs. Hand filter

* Resounded after well field turned off on 2/12/2025 → 129.10' bmp

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 | Client: Freeport Copper Queen Branch

Task No: 2 | Date: 1/29/2025

Well ID: AWC-05 | Weather: Sunny, Clear

ADWR No: 590620 | Sampler: JS

WELL DATA

Well Depth (ft bls):	1,183
Casing Diameter (in):	16
Static Water Level (ft bmp):	137.42*
Casing Volume (gal):	10,916 x3 = 32,748
Total Volume Purged (gal):	33,734

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
(16)	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0910	Pump On						
0912	2	980	1,967	7.11	19.4	464.6	
0918	8	880	7,261	7.32	20.0	464.2	
0924	14	860	12,478	7.34	20.2	458.1	
0931	21	860	18,564	7.39	19.7	455.6	
0941	31	840	27,014	7.34	20.5	457.4	
							Pump Off 0959

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: (Spigot at / near wellhead) Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
AWC-05	0949	poly	250	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: After 3 days of recovery, well shut off on Sunday. WL higher than historic records available. New pump motor installed middle of January 2025. Hand filter

* Resounded 2/12/2025 → 292.49' bmp. Well fired off.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080 | Client: Freeport-McMoran Sierrita, Inc.

Task No: ~~3.2~~ 2 | Date: 1/31/2025

Well ID: BANKS-987 | Weather: Sunny, Cold

ADWR No: 647987 | Sampler: JS

WELL DATA

Well Depth (ft bls): 339

Casing Diameter (in): 6

Static Water Level (ft bmp): 220.51

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

WLO

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WLO

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [ ] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [x] Other: WLO

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 1-27-25

Well ID: BMO-2008-16 Weather: Sunny

ADWR No: _____ Sampler: Christopher L. Slavens

WELL DATA

Well Depth (ft bls): 310

Casing Diameter (in): 5

Static Water Level (ft bmp): 82.86

Casing Volume (gal): 231.7 x3 = 695.2

Total Volume Purged (gal): 747

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1100	Pump On						
1130	30	8.3	249	7.17	21.2	1055	
1200	60	8.3	498	7.19	21.0	1052	
1230	90	8.3	747	7.20	20.9	1058	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2008-16	1230	PL	250	1	300	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☑ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: 227.2

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 2-18-25

Well ID: BMO-2008-3B Weather: Sunny

ADWR No: _____ Sampler: Christopher L Shum.

WELL DATA

Well Depth (ft bls):	260
Casing Diameter (in):	5
Static Water Level (ft bmp):	155.74
Casing Volume (gal):	104.3 x3 = 312.1
Total Volume Purged (gal):	540

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1100	Pump On						
1110	10	27	135	7.22	21.2	887	
1115	15	27	405	7.25	21.0	884	
1120	20	27	540	7.27	20.9	882	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2008-3B	1120	PL	250	1	300	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: 104.3

Groundwater Sampling Form

Project No:	CC18.1080.00	Client:	Freeport Copper Queen Branch
Task No:	2	Date:	1/28/2025
Well ID:	BMO-2008-413	Weather:	Partly Cloudy, Cold
ADWR No:	910096	Sampler:	TS

WELL DATA

Well Depth (ft bls):	610
Casing Diameter (in):	5
Static Water Level (ft bmp):	145.93
Casing Volume (gal):	474 x3 = 1,421
Total Volume Purged (gal):	

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			W10				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
W10							

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: W10

Additional Comments: Back pressure in lines. Not enough discharge to sample. Beatrice says well was disconnected from power due to excessive power bills.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 2-27-25

Well ID: BMO-2008-5B Weather: Sunny

ADWR No: _____ Sampler: Chastafer L Slaven

WELL DATA

Well Depth (ft bls):	285
Casing Diameter (in):	5
Static Water Level (ft bmp):	159.25
Casing Volume (gal):	128.3 x3 = 385
Total Volume Purged (gal):	675

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1150	Pump On						
1155	5	27	135	7.16	21.3	1047	
1205	15	27	405	7.20	21.4	1041	
1215	25	27	675	7.21	21.2	1045	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2008-5B	1215	PL	250	1	300	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: 125.8

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 2-17-25

Well ID: BMO-2008-5M Weather: Sunny

ADWR No: _____ Sampler: Christopher L Sherman

WELL DATA

Well Depth (ft bls): 450

Casing Diameter (in): 5

Static Water Level (ft bmp): 160.41

Casing Volume (gal): 295.3 x3 = 886.1

Total Volume Purged (gal): 990

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1045	Pump On						
1110	25	18	450	7.18	22.0	902	
1130	45	18	810	7.15	22.1	897	
1140	55	18	990	7.19	22.1	894	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2008-5M	1140	PL	250	1	300	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

☒ Water level measurement collected.

☐ No water level measurement collected. No access to wellhead/No port in wellhead

☐ No water level measurement collected. Obstruction in well.

☐ No water level measurement collected. Well is pumping.

☐ Other:

WELL PURGING INFORMATION

☒ Purged 3 well volumes and field parameters stabilized.

☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.

☐ Purged well until field parameters stabilized.

☐ Other:

Additional Comments: 289.6

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 2-17-25

Well ID: BMO-2008-6B Weather: Sunny

ADWR No: _____ Sampler: Christopher L Stevens

WELL DATA

Well Depth (ft bls): 265

Casing Diameter (in): 5

Static Water Level (ft bmp): 203.93

Casing Volume (gal): 62.3 x3 = 187

Total Volume Purged (gal): 225

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0830	Pump On						
0845	15	5.1	75	7.16	21.3	354	
0900	30	5.1	150	7.18	21.4	346	
0915	45	5.1	225	7.20	20.9	351	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2008-6B	0915	PL	250	1	300	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

☒ Water level measurement collected.

☐ No water level measurement collected. No access to wellhead/No port in wellhead

☐ No water level measurement collected. Obstruction in well.

☐ No water level measurement collected. Well is pumping.

☐ Other:

WELL PURGING INFORMATION

☒ Purged 3 well volumes and field parameters stabilized.

☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.

☐ Purged well until field parameters stabilized.

☐ Other:

Additional Comments: 2.6 GLI

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 2-17-25

Well ID: BMO-2008-6M Weather: Sunny

ADWR No: _____ Sampler: Christopher L Sherman

WELL DATA

Well Depth (ft bls): 450

Casing Diameter (in): 5

Static Water Level (ft bmp): 205.27

Casing Volume (gal): 249.6 x3 = 749

Total Volume Purged (gal): 840

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0700	Pump On						
0720	20	21	420	7.22	21.6	892	
0730	30	21	630	7.19	21.5	886	
0740	40	21	840	7.21	21.6	884	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2008-6M	0740	PL	250	1	300	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field paremeters stabilized.
- [ ] Other:

Additional Comments: 244.8

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 2-26-25

Well ID: BMC-2008-7M Weather: Sunny

ADWR No: _____ Sampler: Christopher L. Sharman

WELL DATA

Well Depth (ft bls): 670

Casing Diameter (in): 5

Static Water Level (ft bmp): 252.49

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: SWL only

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 2.26.25

Well ID: BMO-2008-8B Weather: Sunny

ADWR No: _____ Sampler: Christopher J. Sharma

WELL DATA

Well Depth (ft bls): 480

Casing Diameter (in): 5

Static Water Level (ft bmp): 310.80

Casing Volume (gal): x3 =

Total Volume Purged (gal): _____

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: Surface only

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 2-26-25

Well ID: BMI-2008-8M Weather: Sunny

ADWR No: _____ Sampler: Christopher L Slamm

WELL DATA

Well Depth (ft bls): 1210

Casing Diameter (in): 5

Static Water Level (ft bmp): 307.22

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: SWL only

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 2-26-25

Well ID: BMO-2008-9M Weather: Sunny

ADWR No: _____ Sampler: Christopher L Sloan

WELL DATA

Well Depth (ft bls): 775

Casing Diameter (in): 5

Static Water Level (ft bmp): 302.79

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: SWL only

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 2-24-25

Well ID: BMN-2008-10GL Weather: Sunny

ADWR No: _____ Sampler: Christopher L Stevens

WELL DATA

Well Depth (ft bls): 810

Casing Diameter (in): 5

Static Water Level (ft bmp): 362.12

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: SWL only

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 2-24-25

Well ID: BMO-2008-10 GU Weather: Sunny

ADWR No: _____ Sampler: Christopher C Shirley

WELL DATA

Well Depth (ft bls): 449

Casing Diameter (in): 5

Static Water Level (ft bmp): 229.12

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: GWL only

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 1-27-25

Well ID: BMO-2008-116 Weather: Sunny

ADWR No: _____ Sampler: Christopher L Slemmons

WELL DATA

Well Depth (ft bls): 716.0

Casing Diameter (in): 5

Static Water Level (ft bmp): 540.86

Casing Volume (gal): 223.7 x3 = 671.3

Total Volume Purged (gal): 720

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.66
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0700	Pump On						
0710	10	8	80	7.78	24.1	476	
0730	30	8	240	7.84	24.5	475	
0800	60	8	480	7.87	24.7	473	
0830	90	8	720	7.88	24.9	472	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2008-116	0830	PL	250	1	300	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: 24.7

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 2-26-25

Well ID: BMO-2008-13B Weather: Sunny

ADWR No: _____ Sampler: Christopher L Shumm

WELL DATA

Well Depth (ft bls): 475

Casing Diameter (in): 5

Static Water Level (ft bmp): 220.40

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: SWL only

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 2-26-25

Well ID: BMO-2008-13M Weather: Sunny

ADWR No: _____ Sampler: Christopher L Sloan

WELL DATA

Well Depth (ft bls): 1030

Casing Diameter (in): 5

Static Water Level (ft bmp): 219.58

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: SWL only

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 2-22-25

Well ID: BMO-2010-1M Weather: Sunny

ADWR No: _____ Sampler: Christopher L Shumm

WELL DATA

Well Depth (ft bls): 550

Casing Diameter (in): 5

Static Water Level (ft bmp): 227.80

Casing Volume (gal): x3 =

Total Volume Purged (gal): _____

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: _____

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: Sulf only

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 2-27-25

Well ID: BMO-2010-2M Weather: Sunny

ADWR No: _____ Sampler: Christopher L Shaw

WELL DATA

Well Depth (ft bls): 380

Casing Diameter (in): 5

Static Water Level (ft bmp): 281.15

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: SWL only

Groundwater Sampling Form

Project No:	CC18.1080.00	Client:	Freeport Copper Queen Branch
Task No:	2	Date:	1/30/2025
Well ID:	BMO-2010-3B	Weather:	Sunny, Cool
ADWR No:	219970	Sampler:	JS

WELL DATA

Well Depth (ft bls):	330
Casing Diameter (in):	5
Static Water Level (ft bmp):	128.16
Casing Volume (gal):	206 x3 = 618
Total Volume Purged (gal):	636

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1106	Pump On						
1108	2	6.2	12	7.52	19.5	421.7	
1121	15	6.5	96	7.75	20.2	419.6	
1139	33	6.6	216	7.63	20.3	424.6	
1201	55	6.8	366	7.65	19.0	426.2	
1216	70	6.8	468	7.60	20.6	436.5	Myron calibrated 1205
1225	79	6.8	529	7.59	20.6	436.2	
							Pump Off 1244

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: (Spigot at / near wellhead) Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2010-3B	1241	poly	250	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No:	CC18.1080.00	Client:	Freeport Copper Queen Branch
Task No:	2	Date:	1/30/2025
Well ID:	BMO-2010-3M	Weather:	Sunny
ADWR No:	219969	Sampler:	JS

WELL DATA

Well Depth (ft bls):	532
Casing Diameter (in):	5
Static Water Level (ft bmp):	130.36
Casing Volume (gal):	410 x3 = 1,230
Total Volume Purged (gal):	1,234

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1245	Pump On						
1248	3	6.0	18	7.75	19.1	388.1	
1322	37	6.3	235	7.76	21.5	359.3	
1400	75	6.2	472	7.73	21.8	342.7	
1431	106	6.2	665	7.81	22.2	393.3	1408 Mycon calibrated
1500	135	6.2	846	7.71	22.0	393.1	
1531	166	6.2	1,039	7.74	21.9	391.4	
1549	184	6.3	1,153	7.65	22.2	393.7	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2010-3M	1602	Poly	250 mL	1	300.0	NP	

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 1-28-25

Well ID: BMO-2012-1M Weather: Sunny

ADWR No: _____ Sampler: Christopher L Shuma

WELL DATA

Well Depth (ft bls): 405

Casing Diameter (in): 5

Static Water Level (ft bmp): 229.88

Casing Volume (gal): 178.7 x3 = 536.1

Total Volume Purged (gal): 600

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0700	Pump On						
0710	10	6	60	6.86	22.0	1059	
0730	30	6	180	7.12	22.3	1152	
0800	60	6	360	7.08	22.4	1155	
0835	95	6	570	7.10	22.5	1159	
0840	100	6	600	7.12	22.5	1148	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2008-1M	0840	PL	250	1	300	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

☒ Water level measurement collected.

☐ No water level measurement collected. No access to wellhead/No port in wellhead

☐ No water level measurement collected. Obstruction in well.

☐ No water level measurement collected. Well is pumping.

☐ Other:

WELL PURGING INFORMATION

☒ Purged 3 well volumes and field parameters stabilized.

☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.

☐ Purged well until field parameters stabilized.

☐ Other:

Additional Comments: 175.7

Groundwater Sampling Form

Project No: CC18.1080 | Client: Freeport-McMoran Sierrita, Inc.

Task No: 3.2 | Date: 2/6/2025

Well ID: BMO-2014-1BL | Weather: Sunny

ADWR No: 917393 | Sampler: JS

WELL DATA

Well Depth (ft bls): 366

Casing Diameter (in): 5

Static Water Level (ft bmp): 132.80

Casing Volume (gal): 238 x3 = 714

Total Volume Purged (gal): 784

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0945	Pump On						
0947	2	18	37	7.35	20.0	730.8	Brown
0949	4	18	75	7.29	21.1	723.7	Clear
0954	10	18	187	7.50	21.7	722.4	
1001	16	17	292	7.43	21.9	723.0	
							Pump Off 1030

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2014-1BL	1028	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [ ] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No:	CC18.1080	Client:	Freeport-McMoran Sierrita, Inc.
Task No:	3.2	Date:	2/6/2025
Well ID:	BMO-2014-IBU	Weather:	SUNNY
ADWR No:	917394	Sampler:	JS

WELL DATA

Well Depth (ft bls):	273
Casing Diameter (in):	5
Static Water Level (ft bmp):	132.98
Casing Volume (gal):	143 x3 = 429
Total Volume Purged (gal):	

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
		WIO					
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WIO							

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [ ] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [x] Other: WIO

Additional Comments: Pump appears inoperable. Hose kicked when started but no discharge. Discharge cut in half Q3 in 2024

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080 Client: Freeport-McMoran Sierrita, Inc.

Task No: 3.2 Date: 2/6/2025

Well ID: BMO-2014-2BL Weather: Sunny, Cold

ADWR No: 917452 Sampler: JS

WELL DATA

Well Depth (ft bls):	396
Casing Diameter (in):	5
Static Water Level (ft bmp):	135.95
Casing Volume (gal):	266 x3 = 796
Total Volume Purged (gal):	830

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0813	Pump On						
0815	2	13	27	6.98	19.0	1,156	brown, translucent
0834	21	13	286	7.22	20.2	1,161	clear.
0849	36	13	490	7.27	20.5	1,164	
0859	46	13	626	7.14	20.7	1,158	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: port at wellhead.

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2014-2BL	0914	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No:	CC18.1080	Client:	Freeport-McMoran Sierrita, Inc.
Task No:	3.2	Date:	2/6/2025
Well ID:	BMO-2014-2BU	Weather:	Sunny, Cold
ADWR No:	917453	Sampler:	SS

WELL DATA

Well Depth (ft bls):	276
Casing Diameter (in):	5
Static Water Level (ft bmp):	135.97
Casing Volume (gal):	143 x3 = 429
Total Volume Purged (gal):	444

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0733	Pump On						
0737	4	11	46	7.48	20.0	558.3	
0745	12	12	142	7.53	19.9	561.3	
0759	26	12	310	7.46	19.6	560.0	
0803	30	12	360	7.39	20.0	560.7	
							Pump Off 0812

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Port at wellhead

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2014-2BU	0810	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No:	CC18.1080	Client:	Freeport-McMoran Sierrita, Inc.
Task No:	3.2	Date:	2/6/2025
Well ID:	BMO - 2014 - 3BL	Weather:	SUNNY
ADWR No:	917527	Sampler:	TS

WELL DATA

Well Depth (ft bls):	521
Casing Diameter (in):	5
Static Water Level (ft bmp):	~~149.61~~ 148.35
Casing Volume (gal):	381 x3 = 1,141
Total Volume Purged (gal):	1,168

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1201	Pump On						
1202	1	16	16	7.51	20.5	437.6	
1215	14	16	233	7.69	21.7	427.7	
1230	29	16	483	7.57	22.0	430.2	
1244	43	16	716	7.58	21.2	426.0	
1301	60	17	1,016	7.55	22.2	417.7	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2014-3BL	1310	Poly	250mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No:	CC18.1080	Client:	Freeport-McMoran Sierrita, Inc.
Task No:	3.2	Date:	2/6/2025
Well ID:	BMO-2014-3BV	Weather:	SUNNY
ADWR No:	917494	Sampler:	SS

WELL DATA

Well Depth (ft bls):	288
Casing Diameter (in):	5
Static Water Level (ft bmp):	149.61
Casing Volume (gal):	142 x3 = 424
Total Volume Purged (gal):	516

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1122	Pump On						
1127	5	15	78	7.43	20.4	487.0	Clear
1138	16	15	252	7.62	20.7	483.7	
1146	24	16	385	7.59	20.7	479.7	
1151	29	16	468	7.62	20.7	478.4	
							Pump Off 1159

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2014-3BV	1154	poly	250 mL	1	300.0	NP	Y
DUP20250206	1154	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080 Client: Freeport-McMoran Sierrita, Inc.

Task No: 3.2 Date: 2/3/2025

Well ID: BMO-2014-4B Weather: SUNNY

ADWR No: 917620 Sampler: TS

WELL DATA

Well Depth (ft bls): 258

Casing Diameter (in): 5

Static Water Level (ft bmp): 142.38

Casing Volume (gal): 118 x3 = 354

Total Volume Purged (gal): 377

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1257	Pump On						
1306	6	11	66	7.46	20.9	520.2	
1311	14	11	155	7.53	21.4	520.4	
1317	20	11	222	7.48	21.2	517.5	
1321	24	11	266	7.47	21.1	516.2	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: port at well head

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2014-4B	1331	poly	250 mL	1	300.0	NP	y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No:	CC18.1080	Client:	Freeport-McMoran Sierrita, Inc.
Task No:	3.2	Date:	2/3/2025
Well ID:	BMO-2014-4BL	Weather:	Sunny
ADWR No:	917619	Sampler:	TS

WELL DATA

Well Depth (ft bls):	260
Casing Diameter (in):	5
Static Water Level (ft bmp):	141.86
Casing Volume (gal):	122 x3 = 365
Total Volume Purged (gal):	392

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1349	Pump On						
13501	1	11	11	7.41	20.1	603.5	
1400	11	10	118	7.48	21.3	543.5	
1408	19	10	211	7.44	21.3	578.6	
1413	24	10	264	7.45	21.4	587.8	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Port at well head

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2014-4BL	1425	1	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

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Groundwater Sampling Form

Project No:	CC18.1080	Client:	Freeport-McMoran Sierrita, Inc.
Task No:	3.2	Date:	2/3/2018
Well ID:	BMO-2015-1B	Weather:	Sunny
ADWR No:	917622	Sampler:	BS

WELL DATA

Well Depth (ft bls):	244
Casing Diameter (in):	5
Static Water Level (ft bmp):	138.32
Casing Volume (gal):	108 x3 = 324
Total Volume Purged (gal):	355

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1157	Pump On						
1201	4	11	44	7.33	20.8	695.7	
1210	13	11	144	7.45	21.0	727.7	
1216	18	11	200	7.43	21.0	734.8	
1220	23	11	255	7.41	21.0	739.4	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Port at well head

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2015-1B	1229	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

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Groundwater Sampling Form

Project No:	CC18.1080	Client:	Freeport-McMoran Sierrita, Inc.
Task No:	3.2	Date:	2/3/2025
Well ID:	BMO-2015-2BL	Weather:	SUNNY
ADWR No:	917621	Sampler:	SS

WELL DATA

Well Depth (ft bls):	241
Casing Diameter (in):	5
Static Water Level (ft bmp):	139.53
Casing Volume (gal):	104 x3 = 311
Total Volume Purged (gal):	345

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1110	Pump On						
1112	2	11	23	7.38	20.5	871.3	
1121	11	12	112	7.47	20.8	869.4	
1127	17	12	187	7.45	20.9	868.3	
1136	26	12	299	7.44	21.0	864.2	
							Pump Off 1140

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Port at wellhead

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2015-2B2	1140	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080 Client: Freeport-McMoran Sierrita, Inc.

Task No: 02 Date: 2/3/2025

Well ID: BMO-2015-2B Weather: Sunny

ADWR No: 917827 Sampler: JS

WELL DATA

Well Depth (ft bls): 268

Casing Diameter (in): 5

Static Water Level (ft bmp): 158.10

Casing Volume (gal): 113 x3 = 337

Total Volume Purged (gal): 364

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0910	Pump On						
0911	1	9.6	9	7.31	19.7	916.7	
0916	6	10	73	7.27	20.5	984.4	
0924	14	10	158	7.27	20.6	964.3	
0933	23	10	254	7.29	20.8	944.5	
							Pump Off 0950

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Port at wellhead

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2015-2B	0943	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No:	CC18.1080	Client:	Freeport-McMoran Sierrita, Inc.
Task No:	3.2	Date:	2/3/2025
Well ID:	BMO-2015-2BL	Weather:	SUNNY
ADWR No:	917828	Sampler:	SS

WELL DATA

Well Depth (ft bls):	272
Casing Diameter (in):	5
Static Water Level (ft bmp):	156.79
Casing Volume (gal):	118 x3 = 353
Total Volume Purged (gal):	389

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0953	Pump On						
0955	2	10	20	7.29	20.2	979.5	
1001	8	10	82	7.24	21.0	1,031	
1009	16	10	165	7.25	20.7	1,020	
1026	33	10	347	7.38	21.2	1,004	
							Pump Off 1032

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Port at wellhead

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2015-2BL	1030	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No:	CC18.1080.00	Client:	Freeport Copper Queen Branch
Task No:	2	Date:	1/27/2025
Well ID:	BOOTH	Weather:	Sunny Cool
ADWR No:	914931	Sampler:	SS

WELL DATA

Well Depth (ft bls):	240
Casing Diameter (in):	7
Static Water Level (ft bmp):	141.68
Casing Volume (gal):	x3 =
Total Volume Purged (gal):	

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
		WTO					
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: WTO

Additional Comments: Well inoperable.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080 | Client: Freeport-McMoran Sierrita, Inc.

Task No: 3.2 | Date: 2/12/2025

Well ID: COB-MW-1B | Weather: Overcast, cold

ADWR No: 225906 | Sampler: JS

WELL DATA

Well Depth (ft bls): 500

Casing Diameter (in): 6

Static Water Level (ft bmp):

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WLO				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WLO							

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☑ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: WLO

Additional Comments: Do not sound. Well eats sounders.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080 | Client: Freeport-McMoran Sierrita, Inc.

Task No: 3.2 | Date: 2/12/2025

Well ID: COB-MW-2 | Weather: Overcast, cold

ADWR No: 903984 | Sampler: JS

WELL DATA

Well Depth (ft bls):	162
Casing Diameter (in):	4
Static Water Level (ft bmp):	139.33
Casing Volume (gal):	15 x3 = 45
Total Volume Purged (gal):	51

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
(4)	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0949	Pump On						
0950	1	7.3	7	7.61	19.0	522.3	
0953	4	7.3	29	7.43	19.2	544.6	
0954	5	7.3	36	7.44	19.3	563.4	
0955	6	7.3	43	7.35	19.4	573.9	
							Pump Off 1008

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
COB-MW-2	0956	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: Hand filter

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080 Client: Freeport-McMoran Sierrita, Inc.

Task No: 3.2 Date: 2/12/2025

Well ID: COB-MW-3 Weather: overcast, cold

ADWR No: 906823 Sampler: FS

WELL DATA

Well Depth (ft bls): 300

Casing Diameter (in): 4

Static Water Level (ft bmp): 127.25

Casing Volume (gal): 113 x3 = 337

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
(4)	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WLO				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WLO							

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: WLO

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No:	CC18.1080	Client:	Freeport-McMoran Sierrita, Inc.
Task No:	3.2	Date:	2/12/2025
Well ID:	COB-WL	Weather:	Ove-cast, cold
ADWR No:	593116	Sampler:	SS

WELL DATA

Well Depth (ft bls):	150
Casing Diameter (in):	4
Static Water Level (ft bmp):	108.56
Casing Volume (gal):	27 x3 = 81
Total Volume Purged (gal):	38

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
(4)	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1124	Pump On						
1125	1	7.6	7.	19.8	7.10	1,014	
1127	3	7.6	23	20.2	7.05	1,009	
1129	4	7.6	31	20.3	7.13	996.6	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
COB-WL	1129	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [ ] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [x] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: Well has history of running dry. Pulled sample early. Hand filtered

CLEAR CREEK ASSOCIATES

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Groundwater Sampling Form

Project No:	CC18.1080	Client:	Freeport-McMoran Sierrita, Inc.
Task No:	3.2	Date:	2/5/2025
Well ID:	COOPER-988	Weather:	SUNNY
ADWR No:	644927	Sampler:	JS

WELL DATA

Well Depth (ft bls):	600
Casing Diameter (in):	6
Static Water Level (ft bmp):	329.18
Casing Volume (gal):	399 x3 = 1,195
Total Volume Purged (gal):	1,198

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1302	Pump On						
1307	5	6.2	31	7.72	14.4	401.8	
1331	29	5.6	166	8.21	14.7	401.5	
1402	60	6.0	352	7.92	16.9	401.9	
1431	89	5.7	519	8.07	17.8	402.6	
1501	119	5.0	671	8.13	18.0	403.7	
1530	148	6.0	845	8.07	18.5	405.0	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Hose bib in front of red house.

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
COOPER-988	1632	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 3-4-25

Well ID: Cooper 6 Weather: Sunny

ADWR No: _____ Sampler: Christopher L Skeen

WELL DATA

Well Depth (ft bls): 220

Casing Diameter (in): 6

Static Water Level (ft bmp): NA

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductence (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: No Access, Airline Blocked at approx 120'

Groundwater Sampling Form

Project No:	CC18.1080	Client:	Freeport-McMoran Sierrita, Inc.
Task No:	3.2	Date:	2/6/2015
Well ID:	DODSON	Weather:	Sunny
ADWR No:	614927	Sampler:	SS

WELL DATA

Well Depth (ft bls):	200
Casing Diameter (in):	6
Static Water Level (ft bmp):	99.50
Casing Volume (gal):	148 x3 = 444
Total Volume Purged (gal):	

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1409	Pump On						
1410	1	9.3	9.3	7.15	22.8	1372	Cloudy
1423	14	12	171	7.36	20.4	2076	Cloudy
1430	21	11	291	7.16	20.3	2058	Cloudy
1440	31	14	393	7.17	20.6	1980	Cloudy
							Pump Off 1446

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
DODSON	1446	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: Blue heeler (younger) is particularly temperamental.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No:	CC18.1080.00	Client:	Freeport Copper Queen Branch
Task No:	2	Date:	1/27/2025
Well ID:	ECHAVE	Weather:	Sunny, windy
ADWR No:	219449	Sampler:	JS

WELL DATA

Well Depth (ft bls):	345
Casing Diameter (in):	6
Static Water Level (ft bmp):	226.15'
Casing Volume (gal):	x3 =
Total Volume Purged (gal):	

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
		WLO					
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WLO							

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: WLO

Additional Comments: WLO. Recommend removing weights & changing orientation to well if unable to get WL. Well may grab sounder at 7.45'.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 | Client: Freeport Copper Queen Branch

Task No: 2 | Date: 1/29/2025

Well ID: GARNER-557 | Weather: overcast, windy

ADWR No: 558557 | Sampler: JS

WELL DATA

Well Depth (ft bls): 300

Casing Diameter (in):

Static Water Level (ft bmp): 207.15

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WLO				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WLO							

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [ ] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field parameters stabilized.
- [ ] Purged well until field parameters stabilized.
- [x] Other: WLO

Additional Comments: Under no circumstances refer to this well as "the garner well" within earshot of Dawn

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No:	CC18.1080.00	Client:	Freeport Copper Queen Branch
Task No:	2	Date:	1/29/2025
Well ID:	GARNER-635	Weather:	Overcast, windy
ADWR No:	587635	Sampler:	JS

WELL DATA

Well Depth (ft bls):	680
Casing Diameter (in):	5
Static Water Level (ft bmp):	209.82
Casing Volume (gal):	x3 =
Total Volume Purged (gal):	

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
		WLO					
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WLO							

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: WLO

Additional Comments: Under NO circumstances refer to this well as "the garner well" within earshot of Dawn.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No:	CC18.1080	Client:	Freeport-McMoran Sierrita, Inc.
Task No:	3.2	Date:	2/5/2025
Well ID:	GOAR RANCH	Weather:	SUNNY
ADWR No:	610695	Sampler:	JS

WELL DATA

Well Depth (ft bls):	250
Casing Diameter (in):	7
Static Water Level (ft bmp):	200.23
Casing Volume (gal):	x3 =
Total Volume Purged (gal):	

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WLO				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WLO							

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [ ] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [x] Other: WLO

Additional Comments: (520)-559-0683 sister Kathy Cook

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 3-3-25

Well ID: Hoban Weather: Sunny

ADWR No: _____ Sampler: Christopher L Sherman

WELL DATA

Well Depth (ft bls): 300

Casing Diameter (in): 5

Static Water Level (ft bmp): 179.30

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: SWL only

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 1/28/2025

Well ID: HOWARD-312 Weather: Sunny, windy

ADWR No: 221312 Sampler: JS

WELL DATA

Well Depth (ft bls): 980

Casing Diameter (in): 5

Static Water Level (ft bmp): 232.69

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WLO				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WLO							

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [ ] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field parameters stabilized.
- [ ] Purged well until field parameters stabilized.
- [x] Other: WLO

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 1/28/2025

Well ID: HOWARD-NR Weather: Sunny, windy

ADWR No: NR Sampler: TS

WELL DATA

Well Depth (ft bls): 220

Casing Diameter (in): 6

Static Water Level (ft bmp): 165.99

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WLO				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WLO							

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [ ] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field parameters stabilized.
- [ ] Purged well until field parameters stabilized.
- [x] Other: WLO

Additional Comments:

CLEAR CREEK ASSOCIATES

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Groundwater Sampling Form

Project No: CC18.1080 | Client: Freeport-McMoran Sierrita, Inc.

Task No: 3.2 | Date: 2/4/2025

Well ID: KEEFER | Weather: Sunny, Windy

ADWR No: 209744 | Sampler: JS

WELL DATA

Well Depth (ft bls):	245
Casing Diameter (in):	6
Static Water Level (ft bmp):	150.52
Casing Volume (gal):	139 x3 = 417
Total Volume Purged (gal):	420

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1222	Pump On						
1227	5	7.8	39	7.39	20.0	479.7	
1239	17	8.8	144	7.40	19.8	481.7	
1250	28	8.1	233	7.46	20.1	496.1	
1300	38	9.3	326	7.39	20.0	502.2	
							Pump Off 134

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Port of well head

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
KEEFER	1311	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 3-6-25

Well ID: LADD-251 Weather: Sunny

ADWR No: _____ Sampler: Christopher L. Shuman

WELL DATA

Well Depth (ft bls): _____

Casing Diameter (in): _____

Static Water Level (ft bmp): 224.55

Casing Volume (gal): x3 =

Total Volume Purged (gal): _____

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: Swab only

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 3-6-25

Well ID: LADD-435 Weather: Sunny

ADWR No: _____ Sampler: Christopher L Skeen

WELL DATA

Well Depth (ft bls): _____

Casing Diameter (in): _____

Static Water Level (ft bmp): 254.41

Casing Volume (gal): x3 =

Total Volume Purged (gal): _____

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: _____

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: SWL only

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 3-6-25

Well ID: LADD-538 Weather: Sunny

ADWR No: _____ Sampler: Christopher L Sherman

WELL DATA

Well Depth (ft bls): _____

Casing Diameter (in): _____

Static Water Level (ft bmp): 205.35

Casing Volume (gal): x3 =

Total Volume Purged (gal): _____

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 3-6-25

Well ID: LA00-635 Weather: Sunny

ADWR No: _____ Sampler: Christopher L Shearer

WELL DATA

Well Depth (ft bls): _____

Casing Diameter (in): _____

Static Water Level (ft bmp): 180.12

Casing Volume (gal): x3 =

Total Volume Purged (gal): _____

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 3-6-25

Well ID: LA00-837 Weather: Sunny

ADWR No: _____ Sampler: Christopher L Shumway

WELL DATA

Well Depth (ft bls): _____

Casing Diameter (in): _____

Static Water Level (ft bmp): 346.27

Casing Volume (gal): x3 =

Total Volume Purged (gal): _____

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: SWL only

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 3-6-25

Well ID: LA00-977 Weather: Sunny

ADWR No: _____ Sampler: Christopher L Shannon

WELL DATA

Well Depth (ft bls): _____

Casing Diameter (in): _____

Static Water Level (ft bmp): 93.81

Casing Volume (gal): x3 =

Total Volume Purged (gal): _____

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: Sand only

Groundwater Sampling Form

Project No: CC18.1080 | Client: Freeport-McMoran Sierrita, Inc.

Task No: 3.2 | Date: 2/4/~~2024~~ 2025

Well ID: MCCONNELL-265 | Weather: slightly overcast

ADWR No: 539265 | Sampler: SS

WELL DATA

Well Depth (ft bls): 216

Casing Diameter (in): 6

Static Water Level (ft bmp): 172.38

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WLO				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WLO							

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [ ] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [x] Other: WLO

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 1/27/2025

Well ID: METZLER Weather: Sunny, Cool

ADWR No: 35-71891 Sampler: JS

WELL DATA

Well Depth (ft bls): 351

Casing Diameter (in): 6

Static Water Level (ft bmp): 300.52

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
		WLO					
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WLO							

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [ ] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field parameters stabilized.
- [ ] Purged well until field parameters stabilized.
- [x] Other: WLO

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 | Client: Freeport Copper Queen Branch

Task No: 2 | Date: 1/30/2025

Well ID: NSD-02 | Weather: Sunny, Cold

ADWR No: | Sampler: JS

WELL DATA

Well Depth (ft bls):

Casing Diameter (in):

Static Water Level (ft bmp): 114.21*

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WLO				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WLO							

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: WLO

Additional Comments: * Resounded 2/12/2025 → 114.92' bmp.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 | Client: Freeport Copper Queen Branch

Task No: 2 | Date: 1/30/2025

Well ID: NSD-03 | Weather: Sunny

ADWR No: | Sampler: JS

WELL DATA

Well Depth (ft bls):

Casing Diameter (in):

Static Water Level (ft bmp): Obstructed at ~65'

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
		WLO					
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WLO							

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☑ No water level measurement collected. Obstruction in well. ~65' bmp
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: Christopher says the pump & motor should be replaced in a few months.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No:	CC18.1080	Client:	Freeport-McMoran Sierrita, Inc.
Task No:	3.2	Date:	2/7/2025
Well ID:	NWC-02	Weather:	Sunny
ADWR No:		Sampler:	SS

WELL DATA

Well Depth (ft bls):	312
Casing Diameter (in):	6
Static Water Level (ft bmp):	177.15
Casing Volume (gal):	199 x3 = 595
Total Volume Purged (gal):	

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0843	Pump On						
0846				7.58	19.8	463.3	clear discharge
0847				7.55	20.7	457.0	
0848				7.55	20.9	454.1	
							Pump Off 0849

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
NWC-02	0849	pdy	250mL	1	3000	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☑ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: Metal fragments in discharge. No working flow meter. Used filter.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No:	CC18.1080	Client:	Freeport-McMoran Sierrita, Inc.
Task No:	3.2	Date:	2/7/2025
Well ID:	NWC-03	Weather:	Sunny
ADWR No:	627824	Sampler:	SS

WELL DATA

Well Depth (ft bls):	179
Casing Diameter (in):	8
Static Water Level (ft bmp):	Dry
Casing Volume (gal):	x3 =
Total Volume Purged (gal):	

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
(8)	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WLO				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WLO							

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☑ Other: dry

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: WLO

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No:	CC18.1080	Client:	Freeport-McMoran Sierrita, Inc.
Task No:	3.2	Date:	2/7/2018
Well ID:	NWC-04	Weather:	Sunny
ADWR No:	551849	Sampler:	JS

WELL DATA

Well Depth (ft bls):	462
Casing Diameter (in):	10
Static Water Level (ft bmp):	
Casing Volume (gal):	x3 =
Total Volume Purged (gal):	

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
(10)	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0938	Pump On						
0950	12 +	9.6	116 +	7.43	23.0	858.8	
0958	20 +	9.6	192 +	7.41	23.4	864.5	
1000	22 +	9.6	211 +	7.37	23.6	864.4	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
NWC-04	1002	poly	250mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☑ No water level measurement collected. Obstruction in well. (probably)
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: Sounder down to 469. No sound. weight still felt at sp. Pump running on arrival. Hand filter.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No:	CC18.1080	Client:	Freeport-McMoran Sierrita, Inc.
Task No:	3.2	Date:	2/7/2025
Well ID:	NWC-06	Weather:	Sunny
ADWR No:	575780	Sampler:	JS

WELL DATA

Well Depth (ft bls):	340
Casing Diameter (in):	8
Static Water Level (ft bmp):	178.85
Casing Volume (gal):	421 x3 = 1,262
Total Volume Purged (gal):	2,860

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0721	Pump On						
0734	13+	130	1,690	7.58	21.2	416.3	
0735	14+	130	1,820	7.56	21.4	413.2	
0736	15+	130	1,950	7.58	21.4	414.8	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
NWC-06	0743	poly	250 mL	1	300.0	IVP	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: well running on arrival. Hand filter

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 1/31/2025

Well ID: OLMOS Weather: Sunny

ADWR No: 224745 Sampler: JS

WELL DATA

Well Depth (ft bls): 306

Casing Diameter (in): 6

Static Water Level (ft bmp): 157.36

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WLO				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WLO							

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [ ] Purged 3 well volumes and field parameters stabilized
- [ ] Purged 3 well volumes based on previous water level and field parameters stabilized.
- [ ] Purged well until field parameters stabilized.
- [x] Other: WLO

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 | Client: Freeport Copper Queen Branch

Task No: 2 | Date: 1/30/2025

Well ID: PANAGAKOS | Weather: Sunny

ADWR No: 55-76413 | Sampler: SS

WELL DATA

Well Depth (ft bls):	200
Casing Diameter (in):	~~4~~ 5 8?
Static Water Level (ft bmp):	167.13*
Casing Volume (gal):	86 x3 = 258
Total Volume Purged (gal):	259

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
(8)	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1702	Pump On						
1703	1	~~6~~ 7	~~6~~ 7	7.38	19.0	1,122	
1710	8	7	56	7.33	18.3	1,139	
1715	13	7	91	7.~~44~~	18.7	1,121	
1720	18	7	126	7.46	18.9	1,139	
1726	24	7	168	7.44	18.6	1,144	
							Pump Off 1739

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead (Other:) Hose bib on back of house

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
PANAGAKOS	1739	poly	250mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected. pumping
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: WL was a bitch to get. Pumping on arrival leak at well head (~1 gpm).

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 1/28/2025

Well ID: PIONKE-395 Weather: Sunny, Windy

ADWR No: 613395 Sampler: JS

WELL DATA

Well Depth (ft bls): 330

Casing Diameter (in):

Static Water Level (ft bmp): 164.52

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WIO				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WIO							

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: WLO

Additional Comments: NE of house next to broken section in barbed wire fence. No contact necessary.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 1/28/2025

Well ID: PIONKE-517 Weather: Sunny, windy

ADWR No: 221517 Sampler: JS

WELL DATA

Well Depth (ft bls): 604

Casing Diameter (in): 5

Static Water Level (ft bmp): 161.28

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WLO				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WLO							

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [ ] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field parameters stabilized.
- [ ] Purged well until field parameters stabilized.
- [x] Other: WLO

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No:	CC18.1080.00	Client:	Freeport Copper Queen Branch
Task No:	2	Date:	1/27/2025
Well ID:	POWER-639	Weather:	Sunny, Cool
ADWR No:	222639	Sampler:	JS

WELL DATA

Well Depth (ft bls):	480
Casing Diameter (in):	6
Static Water Level (ft bmp):	301.46
Casing Volume (gal):	263 x3 = 788
Total Volume Purged (gal):	793

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1009	Pump On						
1011	2	7.7	15	7.05	9.8	715.0	
1047	38	8.6	323	7.66	19.8	549.5	
1101	52	10	463	7.56	20.4	706.7	
1117	68	9.4	613	7.52	21.1	734.4	
1131	82	9.7	748	7.51	21.2	725.2	Stable, Q ~ 9.1 AV
							Pump Off 1036

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: (Spigot at / near wellhead) Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
POWER-639	1036	Poly	250	1	300.0	NP	Y
DUP20250127	1036	poly	250	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: Hope St, South of Grenada (just behind METZLER)

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No:	CC18.1080.00	Client:	Freeport Copper Queen Branch
Task No:	2	Date:	1/28/~~2024~~ JS 2025
Well ID:	RAMIREZ	Weather:	Sunny, windy
ADWR No:	216425	Sampler:	JS

WELL DATA

Well Depth (ft bls):	300
Casing Diameter (in):	6
Static Water Level (ft bmp):	JS ~~175.49~~ 175.49
Casing Volume (gal):	x3 =
Total Volume Purged (gal):	

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WL O				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WL O							

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: WL O

Additional Comments: Pumping WL. Aida likes to be informed of WL. This can be done by text message to (520) 236-7175.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No:	CC18.1080.00	Client:	Freeport Copper Queen Branch
Task No:	2	Date:	1/28/2025
Well ID:	ROGERS - 596	Weather:	partly cloudy, cool
ADWR No:	573596	Sampler:	SS

WELL DATA

Well Depth (ft bls):	290
Casing Diameter (in):	6
Static Water Level (ft bmp):	149.02
Casing Volume (gal):	208 x3 = 622
Total Volume Purged (gal):	212

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1144	Pump On						
1151	7	2.27	15	6.83	12.8	1,413	
1212	28	2.15	60	6.89	16.7	1,405	
1240	56	2.25	123	6.85	19.7	1,403	
1311	87	2.27	193	6.83	19.3	1,409	
1316	92	2.29	204	6.82	19.0	1,419	Stable. Q~2.21 Avg
							Pump Off 1320

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead (Other:) From hose bib in driveway

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
ROGERS - 596	1320	poly	250	1	300.0	N/P	

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☑ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: Wellhead NW of house behind fence. Recommend plumbers tape for hose-bib. Sampled after parameters stabalized & 1 well volume removed due to low Q

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No:	CC18.1080.00	Client:	Freeport Copper Queen Branch
Task No:	2	Date:	1/28/2025
Well ID:	ROGERS - 803	Weather:	partly cloudy, warm
ADWR No:	641803	Sampler:	JS

WELL DATA

Well Depth (ft bls):	140'
Casing Diameter (in):	6
Static Water Level (ft bmp):	Dry
Casing Volume (gal):	x3 =
Total Volume Purged (gal):	

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
		WIO					
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WIO							

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☑ Other: Dry

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: WIO

Additional Comments: tagged bottom at 140' bmp. Well is in shed south of horse.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 | Client: Freeport Copper Queen Branch

Task No: 2 | Date: 1/27/2025

Well ID: ROGERS-E | Weather: Sunny, windy

ADWR No: 216018 | Sampler: JS

WELL DATA

Well Depth (ft bls): 285

Casing Diameter (in): 6

Static Water Level (ft bmp): 165.67

Casing Volume (gal): 176 x3 = 527

Total Volume Purged (gal): 533

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1522	Pump On						
1523	1	7.1	7	7.39	20.4	451.2	
1526	4	7.6	30	7.39	20.7	451.3	kink fixed.
1538	16	8.8	135	7.35	20.4	458.4	
1549	27	8.1	224	7.31	20.5	454.0	Stable. Q ~8.2 Av
							Pump Off 1627

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
ROGERS-E	1627	poly	250	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: Sounding tube has minor caldaes at ~25', 35', 45'.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080 | Client: Freeport-McMoran Sierrita, Inc.

Task No: 3.2 | Date: 2/4/2025

Well ID: RV12-146 | Weather: Sunny

ADWR No: 233146 | Sampler: SS

WELL DATA

Well Depth (ft bls): 500

Casing Diameter (in): 6

Static Water Level (ft bmp): 305.85

Casing Volume (gal): 286 x3 = 857

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0937	Pump On						
0938	1			7.10	17.3	621.7	
0939	2			7.17	19.1	620.1	
0940	3			7.23	20.3	587.4	
0941	4			7.25	20.7	585.9	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Port at well head

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
RV12-146	0945	poly	250 mL	1	300.0	NP	Y
DUP20250204	0945	poly	250mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [ ] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [x] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080 Client: Freeport-McMoran Sierrita, Inc.

Task No: 3.2 Date: 2/4/2025

Well ID: SCHWARTZ Weather: Sunny

ADWR No: 210865 Sampler: JS

WELL DATA

Well Depth (ft bls): 305

Casing Diameter (in): 6

Static Water Level (ft bmp): 138.06

Casing Volume (gal): 246 x3 = 737

Total Volume Purged (gal): 738

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1030	Pump On						
1032	2	8.8	17	7.29	20.5	726.0	
1045	15	9.0	135	7.32	21.3	735.3	
1100	30	9.3	275	7.26	21.2	765.9	
1116	46	9.0	420	7.20	21.2	774.1	
1129	59	9.0	538	7.19	21.2	776.9	
							Pump Off 1151

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Port at wellhead

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
SCHWARTZ	1151	pdy	250mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080 Client: Freeport-McMoran Sierrita, Inc.

Task No: 3.2 Date: 1/31/2025

Well ID: STEPHENS Weather: Sunny, Cold

ADWR No: 808568 Sampler: JS

WELL DATA

Well Depth (ft bls):

Casing Diameter (in):

Static Water Level (ft bmp): 56.84

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
		WLO					
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WLO							

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [ ] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [x] Other: WLO

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No:	CC18.1080	Client:	Freeport-McMoran Sierrita, Inc.
Task No:	3.2	Date:	2/4/2025
Well ID:	THOMPSON-151	Weather:	SUNNY
ADWR No:	612151	Sampler:	JS

WELL DATA

Well Depth (ft bls):	210
Casing Diameter (in):	7
Static Water Level (ft bmp):	DRY
Casing Volume (gal):	x3 =
Total Volume Purged (gal):	

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WLO				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
	WLO						

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☑ Other: DRY

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: Tagged bottom of well ~170' bmp.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No:	CC18.1080	Client:	Freeport-McMoran Sierrita, Inc.
Task No:	3.2	Date:	2/4/2025
Well ID:	THOMPSON-341	Weather:	Sunny
ADWR No:	218341	Sampler:	TS

WELL DATA

Well Depth (ft bls):	285
Casing Diameter (in):	7
Static Water Level (ft bmp):	176.86
Casing Volume (gal):	x3 =
Total Volume Purged (gal):	

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WLO				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
	WLO						

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: WLO

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 2.26.25

Well ID: TM-2A Weather: Sunny

ADWR No: _____ Sampler: Christopher L Slavin

WELL DATA

Well Depth (ft bls): 925

Casing Diameter (in): 4

Static Water Level (ft bmp): 344.77

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: Stick only

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 3-4-25

Well ID: TM-6 Weather: Sunny

ADWR No: _____ Sampler: Christopher L Shuman

WELL DATA

Well Depth (ft bls): 200

Casing Diameter (in): 4

Static Water Level (ft bmp): 165.12

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: Gw Level only

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 2-18-25

Well ID: TM-7 Weather: Sunny

ADWR No: _____ Sampler: Christopher L Shumm

WELL DATA

Well Depth (ft bls): 350

Casing Diameter (in): 4

Static Water Level (ft bmp): 342.28

Casing Volume (gal): 5 x3 = 15

Total Volume Purged (gal): 64

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0600	Pump On						
0602	2	8	16	7.29	20.3	662	
0632	–						
0634	4	8	32	7.39	20.7	747	
0644	–						
0646	6	8	48	7.40	20.9	749	
0656	–						
0658	8	8	64	7.42	20.8	750	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
TM-7	0658	PL	250	1	300	Ice	y

WATER LEVEL MEASUREMENT COLLECTION

☒ Water level measurement collected.

☐ No water level measurement collected. No access to wellhead/No port in wellhead

☐ No water level measurement collected. Obstruction in well.

☐ No water level measurement collected. Well is pumping.

☐ Other:

WELL PURGING INFORMATION

☐ Purged 3 well volumes and field parameters stabilized.

☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.

☐ Purged well until field parameters stabilized.

☒ Other: Bronkes suction after 2min – Clear Cond C methanol

Additional Comments: 7.7

342.28

Groundwater Sampling Form

Project No:	CC18.1080.00	Client:	Freeport Copper Queen Branch
Task No:	2	Date:	1/31/~~2024~~ 2025
Well ID:	TM-10-USBP	Weather:	Sunny, cold.
ADWR No:	522696	Sampler:	JS

WELL DATA

Well Depth (ft bls):	290
Casing Diameter (in):	4
Static Water Level (ft bmp):	258.65
Casing Volume (gal):	21 x3 = 62
Total Volume Purged (gal):	65

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
(4)	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0925	Pump On						
0926	1	9.3	9	7.48	18.8	333.5	clear discharge
0929	4	9.3	37	7.72	20.5	345.7	
0930	5	9.3	46	7.67	20.7	344.1	
0931	6	9.3	56	7.68	20.9	344.1	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
TM-10-USBP	0932	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field parameters stabilized.
- [x] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: Hand filter. Well has history of running dry.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 2-27-25

Well ID: TM-16 Weather: Sunny

ADWR No: _____ Sampler: Christopher L Sherman

WELL DATA

Well Depth (ft bls): 115

Casing Diameter (in): 4

Static Water Level (ft bmp): 62.81

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: SWL only

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 3-4-25

Well ID: TM-42 Weather: Sunny

ADWR No: _____ Sampler: Christopher L Shirm

WELL DATA

Well Depth (ft bls): 250

Casing Diameter (in): 5"

Static Water Level (ft bmp): 225.66

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: SWL only

Groundwater Sampling Form

Project No: CC18.1080.00 | Client: Freeport Copper Queen Branch

Task No: 2 | Date: 1/15/2025

Well ID: TV1-236 | Weather: Sunny, Cool

ADWR No: 502236 | Sampler: JS

WELL DATA

Well Depth (ft bls): 222

Casing Diameter (in): 12

Static Water Level (ft bmp): 136.73' (85.27')

Casing Volume (gal): 2004 x3 = 6012

Total Volume Purged (gal): 6,300

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0938	Pump On						
0940	2	~300	600	7.20	18.6	484.0	
0942	4	~300	1,200	7.34	19.0	479.7	
0946	8	~300	2,400	7.41	19.2	478.4	
0950	12	~300	3,600	7.42	19.2	480.1	Stable.
							Pump Off 0959

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead (Other:) Discharge pipe, South of well

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
TV1-236	0959	poly	250	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field parameters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: Hand filter. Contact Christopher (520)508-7040

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080 | Client: Freeport-McMoran Sierrita, Inc.

Task No: 3.2 | Date: 2/6/2025

Well ID: TV1-~~756~~ 713 | Weather: Sunny

ADWR No: 567713 | Sampler:

WELL DATA

Well Depth (ft bls): 200

Casing Diameter (in):

Static Water Level (ft bmp): 140.99

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
(8)	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WLO				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
	WLO						

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: location Marked with Red Flag.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No:	CC18.1080.00	Client:	Freeport Copper Queen Branch
Task No:	2	Date:	1/27/2025
Well ID:	WEED	Weather:	Sunny, Windy
ADWR No:	544535	Sampler:	JS

WELL DATA

Well Depth (ft bls):	320
Casing Diameter (in):	6
Static Water Level (ft bmp):	IWL
Casing Volume (gal):	x3 =
Total Volume Purged (gal):	115

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1327	Pump On						
1328	1	14	14	7.56	19.2	380.1	
1330	3	14	42	7.60	19.7	380.7	
1332	5	15	72	7.60	19.8	379.2	Stable. Q~14 lpm
							Pump Off 1335

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

see Notes

Sample Collection Point: (Spigot at / near wellhead) Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WEED	1335	Poly	250	1	300.0	N	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☑ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☑ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: Hand filter. Sample from E-W pipe coming from well head. Pull stopper up in tank to start pump. Ladder in shed next to Tank.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 1/28/2025

Well ID: WEISKOPF-802 Weather: Sunny, windy

ADWR No: 641802 Sampler: JS

WELL DATA

Well Depth (ft bls): 200

Casing Diameter (in): 6

Static Water Level (ft bmp): 159.17

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WIO				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WIO							

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: WIO

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No:	CC18.1080.00	Client:	Freeport Copper Queen Branch
Task No:	2	Date:	1/28/2025
Well ID:	WEISKOPF -897	Weather:	Sunny, Windy
ADWR No:	220897	Sampler:	JS

WELL DATA

Well Depth (ft bls):	1030
Casing Diameter (in):	5
Static Water Level (ft bmp):	158.77
Casing Volume (gal):	x3 =
Total Volume Purged (gal):	

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WL 0				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WL 0							

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [ ] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field parameters stabilized.
- [ ] Purged well until field parameters stabilized.
- [x] Other: WL 0

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080 | Client: Freeport-McMoran Sierrita, Inc.

Task No: ~~3.2~~ 2 | Date: 1/31/2025

Well ID: ZANDER | Weather:

ADWR No: 205126 | Sampler: JS

WELL DATA

Well Depth (ft bls): 280

Casing Diameter (in): 6

Static Water Level (ft bmp): NPA

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			NPA				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
	NPA						

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☑ Other: NPA

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: NPA

Additional Comments: Ownership status of property unclear. Need to clarify ownership and obtain access agreement. Property appears inhabited. Unable to make contact w/ current resident.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 | Client: Freeport Copper Queen Branch

Task No: 2 | Date: 9/17/25

Well ID: NWC-04 | Weather: Clear

ADWR No: | Sampler: JM

WELL DATA

Well Depth (ft bls): 780

Casing Diameter (in): 6

Static Water Level (ft bmp): IWL

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0749	Pump On						
0750				7.31	22.6	896	
0755				7.41	22.1	857	
0751				7.43	22.3	863	
0759				7.49	22.2	865	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
NWC-04	0803	Poly	250	1	30.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☑ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☑ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080 Client: Freeport-McMoran ~~Sierrita~~ CAB, Inc.

Task No: #2 Date: 7/7/2025

Well ID: ANDERSON 396 Weather: overcast

ADWR No: 613396 Sampler: JS

WELL DATA

Well Depth (ft bls):	285
Casing Diameter (in):	8
Static Water Level (ft bmp):	161.66
Casing Volume (gal):	322 x3 = 966
Total Volume Purged (gal):	

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
(8)	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WTO				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WTO							

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: WTO

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

2

Project No: CC18.1080 Client: Freeport-McMoran Sierrita, Inc.

Task No: 3.2 Date: 7/7/2025

Well ID: ANDERSON 458 Weather: Overcast

ADWR No: 221458 Sampler: JS

WELL DATA

Well Depth (ft bls): 734

Casing Diameter (in): 5

Static Water Level (ft bmp): 165.39

Casing Volume (gal): 580 x3 = 1,740

Total Volume Purged (gal): 1,751

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1455	Pump On						
1502	7	10	75	8.02	24.4	401.1	
1530	35	10	355	8.12	24.9	400.2	
1559	64	11	677	8.14	25.2	396.5	
1629	94	12	1,037	8.23	25.1	396.9	
1659	124	11	1,383	8.21	25.0	396.4	
							Pump Off 1732

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Port in pump house

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
ANDERSON 458	1732	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 7-14-21

Well ID: AWC-02 Weather: cloudy

ADWR No: 116586 Sampler: TH

WELL DATA

Well Depth (ft bls): 333

Casing Diameter (in): 20

Static Water Level (ft bmp): 138.31

Casing Volume (gal): 3175 x3 = 9525

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1054	Pump On						
1055	~~45~~ 1	115	115	7.76	22.1	509	
1114	20	88	1747	7.68	21.7	546	
1139	45	50	3087	7.67	22.9	529	well is surging
1144	50	50	3337	7.55	22.3	529	
1159	65	50	4187	7.72	22.2	534	
1229	95	50	5687	7.74	23.2	530	
1254	125	50	7187	7.77	22.7	530	
1329	155	50	8687	7.79	21.8	546	
1349	175	50	9687	7.58	21.6	532	Pump Off 1355

1350 FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
AWC-02	1350	Poly	250	1		NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: off for days recovery 165-160 5 minutes
hand filtered 160-150 5 minutes 45 sec
well surged after first purge 150-139 38 mins

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 7-14-25

Well ID: AWC-03 Weather: overcast

ADWR No: Sampler: SM

WELL DATA

Well Depth (ft bls): 270

Casing Diameter (in): 16

Static Water Level (ft bmp): 132

Casing Volume (gal): 1440 x3 = 4322

Total Volume Purged (gal): 5920

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1025	Pump On						
1026	1	740	740	7.83	21.3	597	
1028	3	740	2220	7.67	21.0	554	
1030	5	740	3700	7.55	20.9	547	
1032	7	740	5180	7.56	20.9	548	
1033	sample taken						
1037							
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
~~1037~~ AWC-03	A 1032	A Poly	250	1		NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: used AWC sonder, hand filtered off since 8

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 7-14-25

Well ID: AWC-04 Weather: Cloudy

ADWR No: Sampler: JH

WELL DATA

Well Depth (ft bls): 337

Casing Diameter (in): 16

Static Water Level (ft bmp): 148.08

Casing Volume (gal): 1972 x3 = 5916

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1505	Pump On						
1506	1	650	650	7.80	22.4	994	
1510	5	656	3250	7.35	21.2	638	
1515	10	650	6506	7.22	20.9	649	
1520	15	650	9750	7.19	20.4	656	
1521	sample taken						
1526	well off		13650				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
AWC-04	1521	Poly	250	1		NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: recovery info 1524 - 150.00
1545 - 148.15
Hand Filtered
off Sites 4

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 7-14-25

Well ID: AWC-05 Weather: live cast

ADWR No: 590620 Sampler: JM

WELL DATA

Well Depth (ft bls): 1163

Casing Diameter (in): 16

Static Water Level (ft bmp): 175.5

Casing Volume (gal): 10309 x3 = 30926

Total Volume Purged (gal): 39100

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0915	Pump On						
0920	~~1250~~ 5	850	9250	6.85	20.6	467	
0930	15	850	12750	7.46	20.9	464.4	
0940	25	850	21250	7.43	21.0	464	
0950	35	850	29750	7.43	21.2	463	
0955	40	850	~~34250~~	7.42	21.1	462	
0956 - Sample Take			~~34900~~				
1001	pump off		39100				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: (Spigot at) / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
AWC-05	0956	poly	250	1		a/p	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

off since 8

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

6

Project No: CC18.1080 | Client: Freeport-McMoran Sierrita, Inc.

Task No: 5.2 | Date: 7/9/2025

Well ID: BANKS ~~MW~~ 986 | Weather: Sunny

ADWR No: 647986 | Sampler: JS

WELL DATA

Well Depth (ft bls):	435
Casing Diameter (in):	6
Static Water Level (ft bmp):	218.31 *
Casing Volume (gal):	319 x3 = 956
Total Volume Purged (gal):	956

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0841	Pump On						
0846	5	9.3	46	7.47	23.0	1,081	
0859	18	8.5	157	7.47	22.7	1,076	
0920	39	8.5	337	7.53	22.9	1,055	
0934	53	8.5	457	7.43	23.2	1,049	
1014	93	8.3	790	7.54	22.8	1,053	
1019	98	8.3	831	7.49	22.6	1,052	
							Pump Off 1034

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot next to well

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BANKS 986	1034	poly	250mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☑ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized. *
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: * WL based off of BANKS 987.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080 Client: Freeport-McMoran Sierrita, Inc.

Task No: 4.2 Date: 7/9/2025

Well ID: BANKS 987 Weather: SUNNY

ADWR No: 647987 Sampler: JS

WELL DATA

Well Depth (ft bls): ~~435~~ 339

Casing Diameter (in): 6

Static Water Level (ft bmp): 218.31

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WLO				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WLO							

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☒ Other: WLO

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

12

Project No: CC18.1080 | Client: Freeport-McMoran Sierrita, Inc.

Task No: 4.2 | Date: 7/10/2025

Well ID: BIMA | Weather: Overcast

ADWR No: 557927 | Sampler: JS

WELL DATA

Well Depth (ft bls): 460*

Casing Diameter (in): 4

Static Water Level (ft bmp): --

Casing Volume (gal): x3 =

Total Volume Purged (gal): ~35

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
(4)	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1331	Pump On						
1335	4	~5	20	6.47	24.0	1,588	
1337	6		30	6.45	23.5	1,589	
							Pump Off 1338

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BIMA	1343	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☑ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other:

Additional Comments: Well ran dry waited for recovery & sampled

* Owners said well had been recently re-drilled, 2008 well depth may not be accurate.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 7-10-25

Well ID: BMO-2008-1G Weather: Sunny

ADWR No: _____ Sampler: Christopher L. Starner

WELL DATA

Well Depth (ft bls): 310

Casing Diameter (in): 5

Static Water Level (ft bmp): 83.97

Casing Volume (gal): 230.6 x3 = 691.8

Total Volume Purged (gal): ~~747~~

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0530	Pump On						
0600	30	8.3	249	7.10	21.4	1175	
0620	50	8.3	415	7.17	21.6	1170	
0640	70	8.3	581	7.20	21.7	1182	
0700	90	8.3	747	7.24	21.7	1175	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2008-1G	0700	PL	250	1	300	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: 226.1

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 8-6-25

Well ID: BMO-2008-3B Weather: Sunny

ADWR No: _____ Sampler: Christopher L Sherman

WELL DATA

Well Depth (ft bls): 260

Casing Diameter (in): 5

Static Water Level (ft bmp): 156.11

Casing Volume (gal): 105.9 x3 = 317.9

Total Volume Purged (gal): 540

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0800	Pump On						
0810	10	27	135	7.30	21.4	850	
0815	15	27	405	7.25	21.3	846	
0820	20	27	540	7.36	21.4	842	21.4
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2008-3B	0820	PL	250	1	300.0	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

☒ Water level measurement collected.

☐ No water level measurement collected. No access to wellhead/No port in wellhead

☐ No water level measurement collected. Obstruction in well.

☐ No water level measurement collected. Well is pumping.

☐ Other:

21.4

WELL PURGING INFORMATION

☒ Purged 3 well volumes and field parameters stabilized.

☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.

☐ Purged well until field parameters stabilized.

☐ Other:

Additional Comments: 103.9

Groundwater Sampling Form

CQB

Project No: CC18.1080 | Client: Freeport-McMoran ~~Sierrita~~, Inc.

Task No: ~~1~~2 | Date: 7/9/2025

Well ID: BMO-2008-4B | Weather: Sunny

ADWR No: 910096 | Sampler: JS

WELL DATA

Well Depth (ft bls): 610

Casing Diameter (in): 5

Static Water Level (ft bmp): 146.58

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WIO				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WIO							

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [ ] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [x] Other: WIO

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 8-4-25

Well ID: BMO-2008-5B Weather: Sunny

ADWR No: _____ Sampler: Christopher & Shawn

WELL DATA

Well Depth (ft bls): 285 285

Casing Diameter (in): 5

Static Water Level (ft bmp): 159.98

Casing Volume (gal): 127.6 x3 = 382.8

Total Volume Purged (gal): 675

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1015	Pump On						
5	1020	27	135	7.10	22.0	1088	
15	1030	27	405	7.08	21.9	1085	
25	1040	27	675	7.07	21.9	1088	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2008-5B	1040	PL	250	1	300	Ice	Y
Dup-080425	1040	PL	250	1	300	Ice	X

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: 125.1

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: ~~3~~ 8-4-25

Well ID: BMO-2008-5M Weather: Sunny

ADWR No: _____ Sampler: Christopher L Slaven

WELL DATA

Well Depth (ft bls): 450

Casing Diameter (in): 5

Static Water Level (ft bmp): 161.33

Casing Volume (gal): 294.4 x3 = 883.4

Total Volume Purged (gal): 990

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0910	Pump On						
0935	25	18	450	7.14	22.15	889	
0955	45	18	810	7.13	22.6	886	
1005	55	18	990	7.11	22.5	882	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2008-5M	1005	PL	250	6	300	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments:

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 8-4-25

Well ID: BMO-2008-6B Weather: Sunny

ADWR No: _____ Sampler: Christopher L Sherman

WELL DATA

Well Depth (ft bls): 265

Casing Diameter (in): 5

Static Water Level (ft bmp): 204.67

Casing Volume (gal): 61.6 x3 = 184.8

Total Volume Purged (gal): 225

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0700	Pump On						
0715	15	5.1	75	7.17	22.3	366	
0730	30	5.1	150	7.15	22.4	363	
0745	45	5.1	225	7.20	22.2	362	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2008-6B	0745	PL	250	1	300.0	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: 6.0.4

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 8-4-25

Well ID: BMP-2008-6M Weather: Sunny

ADWR No: _____ Sampler: Christopher L. Sturmm

WELL DATA

Well Depth (ft bls):	450
Casing Diameter (in):	5
Static Water Level (ft bmp):	206.22
Casing Volume (gal):	248.6 x3 = 746
Total Volume Purged (gal):	840

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0600	Pump On						
0610	10	21	210	7.17	22.0	883	
0620	20	21	420	7.15	22.1	879	
0630	30	21	630	7.16	22.0	876	
0640	40	21	84	7.16	22.0	875	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMP-2008-6M	0640	PL	250	1	300.0	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: 243.8

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 8-25-25

Well ID: BMO-2008-7M Weather: Sunny

ADWR No: _____ Sampler: Christopher L Sloman

WELL DATA

Well Depth (ft bls): 670

Casing Diameter (in): 5

Static Water Level (ft bmp): 253.08

Casing Volume (gal): 425.3 x3 = 1,276

Total Volume Purged (gal): 1365

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0630	Pump On						
0655	25	21	525	7.33	22.8	683	
0715	45	21	945	7.36	22.7	680	
0735	65	21	1365	7.38	22.8	678	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2008-7M	0735	PL	250	1	300	Ice	Yes

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: 417

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 8-25-25

Well ID: BMO-2008-8B Weather: Sunny

ADWR No: _____ Sampler: Christopher L. Sturm

WELL DATA

Well Depth (ft bls): 480

Casing Diameter (in): 5

Static Water Level (ft bmp): 311.37

Casing Volume (gal): 172 x3 = 516

Total Volume Purged (gal): 600

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0500	Pump On						
1000	300	1	300	6.47	23.4	2090	
1100	360	1	360	6.52	23.2	1982	
1200	420	1	420	6.57	23.2	1930	
1300	480	1	480	6.55	23.3	2550	
1400	540	1	540	6.57	23.4	2509	
1500	600	1	600	6.54	23.4	2540	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2008-8B	1500	PL	250	1	300	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: 168.7

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 8-21-25

Well ID: Bmo-2008-8M Weather: Sunny

ADWR No: _____ Sampler: Chris Kaplan L Stevens

WELL DATA

Well Depth (ft bls): 1210

Casing Diameter (in): 5

Static Water Level (ft bmp): 307.96

Casing Volume (gal): 920.1 x3 = 2,760.4

Total Volume Purged (gal): 2816

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0530	Pump On						
0670	60	17.6	1056	6.47	23.8	1982	
0730	120	17.6	2112	6.58	23.8	1972	
0800	150	17.6	2640	6.60	23.9	1965	
0810	160	17.6	2816	6.58	23.8	1955	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
Bmo-2008-8M	0810	PL	250	1	300.0	Dry	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stebilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: 902.1

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 7-10-25

Well ID: BMO-2008-9M Weather: Sunny

ADWR No: _____ Sampler: Christopher L Slavin

WELL DATA

Well Depth (ft bls): 775

Casing Diameter (in): 5

Static Water Level (ft bmp): 304.10

Casing Volume (gal): 480.3 x3 = 1,441

Total Volume Purged (gal): 1504

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0730	Pump On						
0750	20	18.9	376	7.54	24.2	774	
0810	40	18.8	752	7.60	24.4	770	
0830	60	18.8	1128	7.65	24.3	765	
0850	80	18.8	1504	7.65	24.3	766	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2008-9M	0850	PL	250	1	300	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: 4709

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 8-5-25

Well ID: BMO-2008-10GL Weather: Sunny

ADWR No: _____ Sampler: Christopher L Shum

WELL DATA

Well Depth (ft bls):	810
Casing Diameter (in):	5
Static Water Level (ft bmp):	364.37
Casing Volume (gal):	454.6 x3 = 1,363.8
Total Volume Purged (gal):	1,413

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0600	Pump On						
0700	60	6.25	375	6.26	25.5	4440	
0805	125	6.2	778	6.32	25.2	4280	
0900	180	5	1,053	6.33	25.2	4190	
1000	240	4	1,293	6.35	25.2	4160	
1030	270	4	1,413	6.37	25.1	4110	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2008-10GL	1030	PL	250	1	300	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: 445.7

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 8-5-25

Well ID: BMO-2008-10 GU Weather: Sunny

ADWR No: _____ Sampler: Christopher L Slumm

WELL DATA

Well Depth (ft bls): 449

Casing Diameter (in): 5

Static Water Level (ft bmp): 232.60

Casing Volume (gal): 220.7 x3 = 662.1

Total Volume Purged (gal): 792

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0630	Pump On						
0645	15	8.8	132	6.10	22.0	4690	
0700	30	8.8	264	6.18	21.2	4630	
0735	65	8.8	528	6.21	21.0	4600	
0800	90	8.8	792	6.22	21.0	4590	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2008-GU	0800	PL	250	1	300	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: 216.4

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 8-7-25

Well ID: BMO 2008-116 Weather: Sunny

ADWR No: _____ Sampler: Christopher L Stamm

WELL DATA

Well Depth (ft bls): 760

Casing Diameter (in): 5

Static Water Level (ft bmp): 541.40

Casing Volume (gal): 222.9 x3 = 668.9

Total Volume Purged (gal): 720

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0600	Pump On						
0610	10	8	80	7.26	25.2	465	
0630	30	8	240	7.75	25.1	462	
0700	60	8	480	7.80	25.2	460	
0730	90	8	720	7.79	25.2	459	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2008-116	0730	PL	250	1	300	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: 218

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 8-19-25

Well ID: BMO-2008-13B Weather: Sunny

ADWR No: _____ Sampler: Christopher L. Slavin

WELL DATA

Well Depth (ft bls): 475

Casing Diameter (in): 5

Static Water Level (ft bmp): 220.38

Casing Volume (gal): 259.7 x3 = 779.1

Total Volume Purged (gal): 900

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0600	Pump On						
0610	10	20	200	6.59	21.4	2060	
0625	25	20	500	6.65	21.4	2040	
0635	35	20	700	6.63	21.3	2031	
0645	45	20	900	6.62	21.4	2030	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2008-13B	0645	HDPE	250	1	300	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: 254.1

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 8/9-25

Well ID: BMO-2008-13M Weather: Sunny

ADWR No: _____ Sampler: Christopher J. Shaw

WELL DATA

Well Depth (ft bls): 1030

Casing Diameter (in): 5

Static Water Level (ft bmp): 220.17

Casing Volume (gal): 826.0 x3 = 2,478

Total Volume Purged (gal): 2604

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0530	Pump On						
0750	140	5.7	798	7.25	22.1	2320	
0850	200	4.6	1140	6.40	22.2	2240	
0950	260	3.8	1416	6.35	21.9	2160	
1150	380	3.8	1872	6.32	21.8	2170	
1250	440	2.8	2100	6.31	21.6	2150	
1550	620	2.8	2604	6.36	21.6	2130	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2008-13M	1550	PL	250	1	300.0	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☑ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☒ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: 809.8

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 7-14-25

Well ID: BMO-2010-1M Weather: Partly Cloudy

ADWR No: _____ Sampler: Christopher L. Blum

WELL DATA

Well Depth (ft bls): 550

Casing Diameter (in): 5

Static Water Level (ft bmp): 229.12

Casing Volume (gal): 327.3 x3 = 981.9

Total Volume Purged (gal): 1035

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0630	Pump On						
0645	15	10	150	7.30	23.3	999	
0730	60	5	375	7.47	23.4	998	
0830	120	3	555	7.45	23.3	983	
0930	180	3	735	7.50	23.2	980	
1030	240	3	915	7.52	23.0	975	
1110	280	3	1035	7.54	23.2	980	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2010-1M	1110	PL	250	1	300	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: 3209

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 7-17-25

Well ID: BMO-2010-2M Weather: Sunny

ADWR No: _____ Sampler: Christopher L Shaw

WELL DATA

Well Depth (ft bls): 380

Casing Diameter (in): 5

Static Water Level (ft bmp): 282.48

Casing Volume (gal): 99.5 x3 = 298.6

Total Volume Purged (gal): 810

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0545	Pump On						
0555	10	27	270	6.86	21.7	1852	
0605	20	27	540	6.87	21.6	1844	
0615	30	27	810	6.89	21.7	1843	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2010-2M	0615	PL	250	1	300	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: 97.6

Groundwater Sampling Form

Project No: CC18.1080.00 | Client: Freeport Copper Queen Branch

Task No: 2 | Date: 2-15-25

Well ID: BMO-2010-3B | Weather: cloudy

ADWR No: 219970 | Sampler: JH

WELL DATA

Well Depth (ft bls): 330

Casing Diameter (in): 5

Static Water Level (ft bmp): 129.05

Casing Volume (gal): 20.5 x3 = 61.5

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1410	Pump On						
1415	5	7	35	7.23	21.5	416	
1430	20	7	140	7.81	22.0	430	
1445	35	7	245	7.61	21.9	430	
1500	50	7	350	7.59	21.5	431	
1515	65	7	455	7.62	21.7	433	
1530	80	7	560	7.72	21.9	433	
1545	95	7	665				
1546	sample	Taken					
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2010-3B	1546	Poly	250	1		NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 7-15-25

Well ID: BMO-2010-3M Weather: cloudy

ADWR No: Sampler: JH

WELL DATA

Well Depth (ft bls): 512

Casing Diameter (in): 5

Static Water Level (ft bmp): 131.87

Casing Volume (gal): 387 x3 = 1163

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0930	Pump On						
1000	30	5	150	7.28	21.9	20	
1030	60	4	270	7.63	22.4	364	
1100	90	4	390	7.74	22.8	386	
1145	135	4	570	7.90	22.9	384	
1230	180	4	760	7.86	22.9	387	
1315	225	4	950	7.91	23.3	385	
1400	270	4	1140	7.71	23.8	387	
1405	Sample	taken					
							Pump Off 1410

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
~~MW~~ BMO-2010-3M	1405	poly	250	1		NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 7-9-25

Well ID: BMO-2012-1M Weather: Sunny

ADWR No: _____ Sampler: Christopher L Sloan

WELL DATA

Well Depth (ft bls): 405

Casing Diameter (in): 5

Static Water Level (ft bmp): 231.94

Casing Volume (gal): 176.5 x3 = 529.6

Total Volume Purged (gal): 609

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0630	Pump On						
0640	10	6	~~7~~60	7.09	22.6	1219	
0700	30	6	180	7.12	22.8	1171	
0730	60	6	360	7.10	22.9	1168	
0810	100	6	600	7.12	23.0	1165	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2012-1M	0810	PL	300	1	300	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: 173.1

Groundwater Sampling Form

59

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 8/21/2025

Well ID: BMO-2014-IBL Weather: Sunny

ADWR No: 917393 Sampler: SS

WELL DATA

Well Depth (ft bls): 366

Casing Diameter (in): 5

Static Water Level (ft bmp): 133.52

Casing Volume (gal): 238 x3 = 712

Total Volume Purged (gal): 715

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0952	Pump On						
0953	1	15	15	7.20	20.2	732.7	
1000	8	16	131	7.25	21.0	734.6	
1010	18	15	288	7.23	21.1	735.9	
1020	28	15	445	7.28	21.1	734.3	
							Pump Off 1041

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2014-IBL	1037	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 8/21/2025

Well ID: BMO-2014-1BU Weather: Sunny

ADWR No: 917394 Sampler: JS

WELL DATA

Well Depth (ft bls): 273

Casing Diameter (in): 5

Static Water Level (ft bmp): 133.81

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
		WIO					
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WIO							

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: WIO

Additional Comments: Pump does not appear to kick on when power is on, No discharge.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

57

Project No:	CC18.1080.00	Client:	Freeport Copper Queen Branch
Task No:	2	Date:	8/21/2025
Well ID:	BMO-2014-2BL	Weather:	Sunny
ADWR No:	917452	Sampler:	JS

WELL DATA

Well Depth (ft bls):	396
Casing Diameter (in):	5
Static Water Level (ft bmp):	136.72
Casing Volume (gal):	265 x3 = 794
Total Volume Purged (gal):	805

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0742	Pump On						
0747	5	15	78	7.24	19.7	1,170	
0750	8	15	126	7.12	19.8	1,171	
0759	17	15	268	7.07	20.0	1,171	
0810	28	15	442	7.08	20.0	1,170	
0820	38	15	600	7.07	20.1	1,169	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2014-2BL	0833	pdy	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

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Groundwater Sampling Form

Project No:	CC18.1080.00	Client:	Freeport Copper Queen Branch
Task No:	2	Date:	8/21/2025
Well ID:	BMO-2014-2BU	Weather:	Sunny
ADWR No:	917453	Sampler:	JS

WELL DATA

Well Depth (ft bls):	276
Casing Diameter (in):	5
Static Water Level (ft bmp):	55 ~~136.72~~ 136.66
Casing Volume (gal):	143 x3 = 427
Total Volume Purged (gal):	428

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0840	Pump On						
0842	2	15	30	7.42	19.5	588.0	
0849	9	14	130	7.37	19.5	567.5	
0903	23	15	340	7.36	19.5	570.9	
							Pump Off 0913

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2014-2BU	0900	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 | Client: Freeport Copper Queen Branch

Task No: 2 | Date: 8/21/2025

Well ID: BMO-2014-3BL | Weather: Sunny

ADWR No: 917527 | Sampler: SS

WELL DATA

Well Depth (ft bls):	521
Casing Diameter (in):	5
Static Water Level (ft bmp):	149.22
Casing Volume (gal):	380 x3 = 1,138
Total Volume Purged (gal):	1,146

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1116	Pump On						
1121	5	14	71	7.33	20.8	440.7	
1130	14	13	193	7.42	21.1	435.5	
1145	29	14	407	7.46	21.1	430.5	
1159	43	13	597	7.51	21.2	428.2	
1215	59	13	815	7.50	21.3	425.9	
							Pump Off 1243

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2014-3BL	1239	poly	250 mL	1	300.0	NP	Y
DUP250821	1239	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 8/21/2025

Well ID: BMO-2014-3BU Weather: Sunny

ADWR No: 917494 Sampler: JS

WELL DATA

Well Depth (ft bls): 288

Casing Diameter (in): 5

Static Water Level (ft bmp): 150.31

Casing Volume (gal): 141 x3 = 422

Total Volume Purged (gal): 432

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1248	Pump On						
1249	1	14	14	7.65	20.4	475.5	
1258	10	13	136	7.54	20.1	490.1	
1309	21	14	293	7.49	20.0	489.4	
							Pump Off 1322

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2014-3BU	1319	poly	250mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No:	CC18.1080.00	Client:	Freeport Copper Queen Branch
Task No:	2	Date:	8/19/2025
Well ID:	BMO-2014-4B	Weather:	Sunny
ADWR No:	917620	Sampler:	JS

WELL DATA

Well Depth (ft bls):	258
Casing Diameter (in):	5
Static Water Level (ft bmp):	143.31
Casing Volume (gal):	117 x3 = 351
Total Volume Purged (gal):	423

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1101	Pump On						
1103	2	14	28	7.60	20.4	531.3	
1110	9	15	133	7.51	20.2	531.6	
1120	19	14	275	7.45	20.2	523.9	
1126	25	15	365	7.45	20.1	521.7	
							Pump Off 1132

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2014-4B	1129	poly	250mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

Groundwater Sampling Form

Project No: CC18.1080.00 | Client: Freeport Copper Queen Branch
Task No: 2 | Date: 8/19/2025
Well ID: BMO-2014-4BL | Weather: sunny
ADWR No: 917619 | Sampler: JS

WELL DATA

Well Depth (ft bls): 261
Casing Diameter (in): 5
Static Water Level (ft bmp): 142.79
Casing Volume (gal): 121 x3 = 362
Total Volume Purged (gal): 368

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1148	Pump On						
1151	3	12	36	7.43	20.6	554.9	
1155	7	12	84	7.47	20.5	554.7	
1200	12	12	146	7.44	20.7	564.0	
1205	17	12	208	7.48	20.7	590.8	
1210	22	12	270	7.47	20.6	603.6	
							Pump Off 1221

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: (Spigot at / near wellhead) Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2014-4BL	1218	poly	250mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 8/19/2015

Well ID: BMO-2015-1B Weather: Slightly overcast

ADWR No: 917622 Sampler: JS

WELL DATA

Well Depth (ft bls):	244
Casing Diameter (in):	5
Static Water Level (ft bmp):	139.33
Casing Volume (gal):	107 x3 = 321
Total Volume Purged (gal):	328

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1002	Pump On						
1003	1	14	14	7.41	19.9	702.3	
1006	4	14	57	7.39	19.8	694.5	
1010	8	14	114	7.37	20.0	724.6	
1016	14	14	200	7.40	20.1	738.4	
							Pump Off 1028

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2015-1B	1025	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

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Groundwater Sampling Form

Project No:	CC18.1080.00	Client:	Freeport Copper Queen Branch
Task No:	2	Date:	8/19/2025
Well ID:	BMO-2015-1BL	Weather:	Overcast
ADWR No:	917621	Sampler:	JS

WELL DATA

Well Depth (ft bls):	241
Casing Diameter (in):	5
Static Water Level (ft bmp):	140.60
Casing Volume (gal):	103 x3 = 308
Total Volume Purged (gal):	363

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0927	Pump On						
0929	2	15	31	7.39	19.8	879.3	
0935	8	15	125	7.34	19.9	879.2	
0940	13	15	203	7.36	20.0	880.0	
0945	18	15	281	7.38	20.0	878.2	
							Pump Off 0951

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2015-1BL	0950	Poly	250mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 8/19/2025

Well ID: BMO-2015-2B Weather: Over cast

ADWR No: 917827 Sampler: JS

WELL DATA

Well Depth (ft bls): 268

Casing Diameter (in): 5

Static Water Level (ft bmp): 159.18

Casing Volume (gal): 111 x3 = 333

Total Volume Purged (gal): 340

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0747	Pump On	0747					
0751	4	13	54	7.03	19.9	1,009	
0754	7	14	96	7.06	19.9	993.4	
0759	12	13	164	7.14	19.9	978.1	
0805	18	13	245	7.17	19.9	965.1	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2015-2B	0812	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field parameters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 | Client: Freeport Copper Queen Branch

Task No: 2 | Date: 8/19/2025

Well ID: BMO-2015-2BL | Weather: Overcast

ADWR No: 917828 | Sampler: JS

WELL DATA

Well Depth (ft bls):	272
Casing Diameter (in):	5
Static Water Level (ft bmp):	157.92.
Casing Volume (gal):	117 x3 = 350
Total Volume Purged (gal):	362

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0822	Pump On						
0824	2	13	27	7.15	19.9	1,052	
0830	8	14	112	7.12	20.0	1,047	
0835	13	13	180	7.13	20.0	1,040	
0841	19	14	265	7.12	20.0	1,035	
							Pump Off 0851

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BMO-2015-2BL	0848	poly	250mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

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Groundwater Sampling Form

Copper Queen Branch

Project No: CC18.1080 Client: Freeport-McMoran ~~Sierrita, Inc.~~

Task No: 12 Date: 7/18/2025

Well ID: BURKE Weather: Partly Cloudy

ADWR No: 212268 Sampler: JS

WELL DATA

Well Depth (ft bls): 781

Casing Diameter (in): 6

Static Water Level (ft bmp):

Casing Volume (gal): x3 =

Total Volume Purged (gal): 159

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0828	Pump On						
0830	2	10	20	7.80	27.0	499.1	
0834	6	12	68	7.81	27.0	499.5	
0840	12	11	137	7.84	27.0	498.6	
							Pump Off 0842

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot off well head

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
BURKE	0842	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☑ No water level measurement collected. Obstruction in well. ~42'.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☑ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: well has history of eating sounders.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 | Client: Freeport Copper Queen Branch

Task No: 2 | Date: 7/17/2025

Well ID: CHAMBERS | Weather:

ADWR No: 629807 | Sampler: JS

WELL DATA

Well Depth (ft bls): 245

Casing Diameter (in): 6

Static Water Level (ft bmp):

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☑ Other: NPA. WIO

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: NPA. WIO

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 | Client: Freeport Copper Queen Branch

Task No: 2 | Date: 8/25/2025

Well ID: COB MW-1B | Weather: Sunny

ADWR No: 725906 | Sampler: SS

WELL DATA

Well Depth (ft bls): 500

Casing Diameter (in): 6

Static Water Level (ft bmp): 246.66*

Casing Volume (gal): 373 x3 = 1,118

Total Volume Purged (gal): 1,120

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1133	Pump On						
1137	4	9.6	38	6.64	21.6	2,305	
1202	29	9.0	265	6.88	21.2	2,202	
1218	45	9.6	419	6.77	21.4	2,164	
1239	66	9.6	622	6.72	21.3	2,141	
1258	85	10	812	6.99	23.0	2,115	
1319	106	9.6	1,015	6.81	21.1	2,059	
							Pump Off 1330

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: (Spigot at / near wellhead) Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
COB MW-1B	1330	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☑ Other: No water measurement collected. Well has history of eating sounders

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: DO NOT SOUND.

* historic WL from 8/14/2024

CLEAR CREEK ASSOCIATES

SS

Groundwater Sampling Form

Project No: CC18.1080.00 | Client: Freeport Copper Queen Branch

Task No: 2 | Date: 8/20/2025

Well ID: COB MW-2 | Weather: Sunny

ADWR No: 903984 | Sampler: SS

WELL DATA

Well Depth (ft bls): 162

Casing Diameter (in): 4

Static Water Level (ft bmp): 140.11

Casing Volume (gal): 15 x3 = 43

Total Volume Purged (gal): 62

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
(4)	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0945	Pump On						
0946	1	6.2	6	7.53	18.9	499.5	
0949	4	6.5	25	7.33	18.8	546.1	
0951	6	6.3	37	7.24	18.8	568.1	
0953	8	6.5	50	7.20	18.8	586.4	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
COB MW-2	0955	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: Hach filtered

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

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Project No:	CC18.1080.00	Client:	Freeport Copper Queen Branch
Task No:	2	Date:	8/20/2025
Well ID:	CoB MW-3	Weather:	Sunny
ADWR No:	906823	Sampler:	SS

WELL DATA

Well Depth (ft bls):	300
Casing Diameter (in):	4
Static Water Level (ft bmp):	142.95
Casing Volume (gal):	103 x3 = 307
Total Volume Purged (gal):	313

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
(4)	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0845	Pump On						
0846	1	16	16	7.42	19.1	498.2	
0850	5	15	79	7.41	19.3	500.1	visible black sediment
0855	10	15	157	7.34	19.4	535.1	less visible sediment
0900	15	15	235	7.32	19.4	541.7	even less visible sediment
							Pump Off 0908

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: (Spigot at / near wellhead) Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
CoB MW-3	0905	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: Hand Filtered

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 | Client: Freeport Copper Queen Branch

Task No: 2 | Date: 8/20/2025

Well ID: COB WL | Weather: Sunny

ADWR No: 593116 | Sampler: JJ

WELL DATA

Well Depth (ft bls): 150

Casing Diameter (in): 4

Static Water Level (ft bmp): 110.08

Casing Volume (gal): 26 x3 = 78

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
(4)	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
		WIO					
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
	WIO						

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [ ] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field parameters stabilized.
- [ ] Purged well until field parameters stabilized.
- [x] Other: WIO

Additional Comments: Breaker on generator tripped immediatley when power was sent to pump. Tried 240 & 120 volt settings.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

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Copper Queen Branch

Project No:	CC18.1080	Client:	Freeport-McMoran Sierrita, Inc.
Task No:	4.2	Date:	7/11/2025
Well ID:	COOPER 988	Weather:	Sunny
ADWR No:	232988	Sampler:	JS

WELL DATA

Well Depth (ft bls):	600
Casing Diameter (in):	6
Static Water Level (ft bmp):	353.61
Casing Volume (gal):	363 x3 = 1,087
Total Volume Purged (gal):	1,091

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0843	Pump On						
0849	6	5.3	32	7.96	26.5	412.0	
0940	57	5.4	310	8.01	26.6	413.4	
1000	77	5.1	413	7.84	26.7	415.4	
1030	107	5.4	576	8.07	26.8	416.5	
1100	137	5.4	739	8.07	26.8	411.0	
1130	167	5.4	902	7.99	26.7	411.3	
							Pump Off 1205

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Hose spigot on west side of red house.

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
COOPER 988	1205	poly	250mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 9-2-25

Well ID: Cooper C Weather: Sunny

ADWR No: _____ Sampler: Christopher L Shannon

WELL DATA

Well Depth (ft bls): 220

Casing Diameter (in): 6

Static Water Level (ft bmp): Dry

Casing Volume (gal): _____ x3 =

Total Volume Purged (gal): _____

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: _____

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: _____

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Groundwater Sampling Form

Copper Queen Branch

Project No: CC18.1080 -- Client: Freeport-McMoran ~~Sierrita, Inc.~~

Task No: 4.2 Date: 7/16/2025

Well ID: DODSON Weather: Sunny

ADWR No: 644927 Sampler: JS

WELL DATA

Well Depth (ft bls): 200

Casing Diameter (in): 6

Static Water Level (ft bmp): 100.98

Casing Volume (gal): 146 x3 = 437

Total Volume Purged (gal): 447

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1528	Pump On						
1532	4	11	46	7.12	21.3	2,184	
1538	10	10	108	7.08	21.5	2,181	
1543	15	12	168	7.08	21.3	2,127	
1550	22	11	248	7.06	21.5	2,066	
1555	27	13	313	6.92	21.3	2,011	
1601	33	11	379	7.09	21.4	1,989	
							Pump Off 1607

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot adjacent to well head.

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
DODSON	1607	poly	250mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 | Client: Freeport Copper Queen Branch

Task No: 2 | Date: 8/22/2025

Well ID: EAST | Weather: Sunny

ADWR No: 599796 | Sampler: JS

WELL DATA

Well Depth (ft bls): 125

Casing Diameter (in): 6

Static Water Level (ft bmp): 85.85

Casing Volume (gal): 58 x3 = 173

Total Volume Purged (gal): 177

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1130	Pump On						
1131	1	10	10	7.45	21.3	662.5	
1135	5	9.3	47	7.22	19.6	656.0	
1139	9	9.3	84	7.19	19.6	653.2	
1145	15	9.3	140	7.37	19.8	630.8	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
EAST	1149	poly	250 ml	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

Groundwater Sampling Form

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Project No:	CC18.1080	Client:	Freeport-McMoran ~~Sierrita~~ CQB, Inc.
Task No:	3.2	Date:	7/10/2025
Well ID:	ECHAVE	Weather:	Sunny
ADWR No:	219449	Sampler:	SS

WELL DATA

Well Depth (ft bls):	345
Casing Diameter (in):	6
Static Water Level (ft bmp):	226.76
Casing Volume (gal):	174 x3 = 522
Total Volume Purged (gal):	184

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1226	Pump On						
1231	5	9.0	45	7.83	30.5	388.8	
1236	10	9.6	93	7.76	30.1	389.3	
1241	15	9.0	138	7.75	30.8	389.3	
							Pump Off 1346

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: spigot North of garage.

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
ECHAVE	1346	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☑ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: Purged off tank via spigot North of garage

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 9-3-25

Well ID: Equipment Blank Weather: Sunny

ADWR No: _____ Sampler: Christopher L Slaven

WELL DATA

Well Depth (ft bls): _____

Casing Diameter (in): _____

Static Water Level (ft bmp): _____

Casing Volume (gal): _____ x3 =

Total Volume Purged (gal): _____

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
EQB-190325	0750	PL	250	1	300	HCl	X

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 9-3-25

Well ID: Field Blank Weather: Sunny

ADWR No: _____ Sampler: Christopher C. Stamm

WELL DATA

Well Depth (ft bls): _____

Casing Diameter (in): _____

Static Water Level (ft bmp): _____

Casing Volume (gal): _____ x3 =

Total Volume Purged (gal): _____

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
FB-090325	0800	PL	250	1	300	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

Groundwater Sampling Form

27 Copper Queen Branch

Project No: CC18.1080 Client: Freeport-McMoran ~~Sierrita, Inc.~~

Task No: ~~4~~.2 Date: 7/16/2025

Well ID: FRANCO 383 Weather: Sunny

ADWR No: 221383 Sampler: JS

WELL DATA

Well Depth (ft bls):	711
Casing Diameter (in):	5
Static Water Level (ft bmp):	204.45
Casing Volume (gal):	517 x3 = 1,551
Total Volume Purged (gal):	1,558

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1250	Pump On						
1254	4	9.3	37	7.32	25.7	1,146	
1330	40	10	422	7.62	26.0	1,149	
1400	70	12	797	7.60	26.3	1,152	
1420	90	13	1,069	7.56	26.3	1,153	
1440	110	12	1,319	7.45	26.3	1,149	
							Pump Off ~~1458~~ 1500

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot on west side of house south of pump house.

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
FRANCO 383	~~1458~~ 1500	poly	250mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 8/18/2025

Well ID: FULT2 Weather: Sunny

ADWR No: 212447 Sampler: SS

WELL DATA

Well Depth (ft bls): 300

Casing Diameter (in): 8

Static Water Level (ft bmp):

Casing Volume (gal): x3 =

Total Volume Purged (gal): 73

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
(8)	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1248	Pump On						
1249	1	7.3	7	7.51	27.1	781.4	
1253	5	7.3	36	7.57	20.7	805.8	
1255	7	7.3	51	7.48	20.7	808.0	
1256	8	7.3	58	7.41	20.7	794.6	
							Pump Off 1258

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
FULT2	1258	Poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☑ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☑ Purged well until field parameters stabilized. Per owner preference.
- ☐ Other:

Additional Comments: Sander already stuck in port at 48'. Beggining to get hung up ~32'. Confirmed that phone number on-file is good. Richard doesn't always pick up when number is unknown. (520) 732-0922.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080 Client: Freeport-McMoran Sierrita, Inc.

Task No: 3.2 Date: 7/7/2025

Well ID: GARNER 557 Weather: SUNNY

ADWR No: 558557 Sampler: JJ

WELL DATA

Well Depth (ft bls): 300

Casing Diameter (in): 6

Static Water Level (ft bmp): 207.71

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

WLO

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WLO							

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other:

Additional Comments: Well is SW of GARNER 635

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080 Client: Freeport-McMoran Sierrita, Inc.

Task No: 1.2 Date: 7/7/2025

Well ID: GARNER 635 Weather: SUNNY

ADWR No: 587635 Sampler: JS

WELL DATA

Well Depth (ft bls): 680

Casing Diameter (in): 5

Static Water Level (ft bmp): 209.62

Casing Volume (gal): 480 x3 = 1,439

Total Volume Purged (gal): 1,446

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1139	Pump On		53				
1144	5	11	[redacted]	7.66	23.3	456.0	
1213	34	12	410	7.81	25.0	458.1	
1230	51	12	614	7.71	25.5	457.8	
1253	74	9.5	811	7.79	25.5	455.5	
1319	100	9.3	1,054	7.76	25.3	454.2	
1348	129	9.3	1,325	7.70	25.5	454.2	
							Pump Off 1401

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Port near wellhead

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
GARNER 635	1401	poly	250	1	300.0	IV	Y
DUP250707	[redacted]	poly	250	1	300.0	N	Y

1401 WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: Well is NE of GARNER 557

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Copper Queen Branch

Project No: CC18.1080 Client: Freeport-McMoran ~~Sierrita, Inc.~~

Task No: 4.2 Date: 7/17/2025

Well ID: GOAR RANCH Weather: Sunny

ADWR No: 610695 Sampler: JJ

WELL DATA

Well Depth (ft bls): 250

Casing Diameter (in): 7

Static Water Level (ft bmp): 200.67

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WLO				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
	WLO						

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [ ] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [x] Other: WLO

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 9-2-25

Well ID: Hoban Weather: Sunny

ADWR No: _____ Sampler: Christopher L Shuma

WELL DATA

Well Depth (ft bls): 300.

Casing Diameter (in): 5

Static Water Level (ft bmp): 180.08

Casing Volume (gal): 122.4 x3 = 367.2

Total Volume Purged (gal): 528

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1030	Pump On						
1040	10	17.6	176	7.17	21.7	1107	
1050	20	17.6	352	7.15	21.6	1101	
1100	30	17.6	528	7.19	21.8	1109	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
Hoban	1100	PL	250	1	300.0	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: 120

Groundwater Sampling Form

Project No: CC18.1080 Client: Freeport-McMoran Sierrita, Inc.

Task No: 3.2 Date: 7/14/2025

Well ID: HOWARD 312 Weather: Overcast

ADWR No: 221312 Sampler: SS

WELL DATA

Well Depth (ft bls): 980

Casing Diameter (in): 5

Static Water Level (ft bmp): 239.38

Casing Volume (gal): 756 x3 = 2,268

Total Volume Purged (gal): 2,270

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0926	Pump On						
0930	4	8.1	32	8.03	23.0	616.5	
1015	49	8.1	396	8.14	25.2	617.7	
1117	111	9.0	959	8.14	26.9	621.4	
1142	136	7.8	1,156	8.12	26.8	619.3	
1229	183	9.0	1,583	8.15	27.2	618.6	
1315	229	8.1	1,955	8.20	27.2	618.4	
							Pump Off 1352

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot in pumphouse

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
HOWARD 312	1357	poly	250mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Copper Queen Branch 16 20 after AWC

Project No:	CC18.1080	Client:	Freeport-McMoran Sierrita, Inc.
Task No:	3.2	Date:	7/14/2025
Well ID:	HOWARD NR	Weather:	Overcast
ADWR No:	NR	Sampler:	JS

WELL DATA

Well Depth (ft bls):	220
Casing Diameter (in):	6
Static Water Level (ft bmp):	166.71
Casing Volume (gal):	79 x3 = 236
Total Volume Purged (gal):	

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1329	Pump On						
1335	6	0.57	3.4	8.12	27.7	619.7	
1344	15	0.53	8.2	8.13	27.4	619	
1358	29	0.50	15.3	8.08	28.1	622.6	
~~1400~~							
							Pump Off 1400

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot on wellhead

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
HOWARD NR	1400	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☑ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: Low flow. Possible electrical or pump issue.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

4

Project No: CC18.1080 | Client: Freeport-McMoran Sierrita, Inc.

Task No: 4.2 | Date: 7/8/2025

Well ID: KEEFER | Weather: Sunny

ADWR No: 209744 | Sampler: SS

WELL DATA

Well Depth (ft bls): 245

Casing Diameter (in): 6

Static Water Level (ft bmp): 151.41

Casing Volume (gal): 138 x3 = 413

Total Volume Purged (gal): 419

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1253	Pump On						
1256	3	9.3	28	7.44	21.3	484.0	
1304	11	10	110	7.44	21.3	489.7	
1309	16	9.3	156	7.53	23.3	491.7	
1315	22	10	216	7.48	22.7	492.9	
1326	33	11	338	7.55	21.4	501.8	
							Pump Off 1334

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot near well head

Sample ID	Time 1334	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
KEEFER	1334	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: 287030 Client: Freeport Copper Queen Branch

Task No: Date: 9-17-25

Well ID: LADD-251 Weather: Sunny

ADWR No: Sampler: Christopher L Stevens

WELL DATA

Well Depth (ft bls):

Casing Diameter (in):

Static Water Level (ft bmp): 225.65

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR

Groundwater Sampling Form

Project No: 287030 Client: Freeport Copper Queen Branch

Task No: Date: 9-12-25

Well ID: LADD-435 Weather: Sunny

ADWR No: Sampler: Christopher L Sturm

WELL DATA

Well Depth (ft bls):

Casing Diameter (in):

Static Water Level (ft bmp): 254.80

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.85
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 9-17-25

Well ID: LADD-538 Weather: Sunny

ADWR No: _____ Sampler: Christopher L Sherman

WELL DATA

Well Depth (ft bls): _____

Casing Diameter (in): _____

Static Water Level (ft bmp): 205.64

Casing Volume (gal): x3 =

Total Volume Purged (gal): _____

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 9-17-25

Well ID: LAOD-635 Weather: Sunny

ADWR No: _____ Sampler: _____

WELL DATA

Well Depth (ft bls): _____

Casing Diameter (in): _____

Static Water Level (ft bmp): 181.23

Casing Volume (gal): x3 =

Total Volume Purged (gal): _____

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 9-17-25

Well ID: LADD-837 Weather: Sunny

ADWR No: _____ Sampler: Christopher L Shumm

WELL DATA

Well Depth (ft bls): _____

Casing Diameter (in): _____

Static Water Level (ft bmp): 323.10

Casing Volume (gal): x3 =

Total Volume Purged (gal): _____

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: _____

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 9-17-25

Well ID: LADD-927 Weather: Sunny

ADWR No: _____ Sampler: Christopher L Slavin

WELL DATA

Well Depth (ft bls): _____

Casing Diameter (in): _____

Static Water Level (ft bmp): 95.50

Casing Volume (gal): x3 =

Total Volume Purged (gal): _____

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

Groundwater Sampling Form

13

Project No:	CC18.1080	Client:	Freeport-McMoran Sierrita, Inc.
Task No:	2	Date:	7/10/2025
Well ID:	LAIR	Weather:	Sunny
ADWR No:	643436	Sampler:	JS

WELL DATA

Well Depth (ft bls):	300
Casing Diameter (in):	6
Static Water Level (ft bmp):	104.31
Casing Volume (gal):	288 x3 = 863
Total Volume Purged (gal):	~~848~~ 893

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)*	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1521	Pump On						
1537	16	11	177	7.84	33.2	541.6	
1550	29	10	316	7.86	32.8	549.6	
1605	44	12	496	7.77	31.6	553.3	
1620	59	10	651	7.76	30.1	557.3	
1635	74	11	816	7.70	28.8	[illegible]556.6	
1640	79	11	871	7.66	28.8	558.9	
							Pump Off ~~1640~~ 1642

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
LAIR	~~1640~~ 1647	poly	250mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments* Hose kinks on & off. ↑ Discharge rate increase

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080 | Client: Freeport-McMoran Sierrita, Inc.

Task No: 4.2 | Date: 7/8/2025

Well ID: MCCONNELL 459 | Weather: Sunny

ADWR No: 221459 | Sampler: JS

WELL DATA

Well Depth (ft bls): 863

Casing Diameter (in): 5

Static Water Level (ft bmp): 179.88

Casing Volume (gal): 697 x3 = 2,091

Total Volume Purged (gal): 2,100

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0830	Pump On						
0835	5	9.6	48	8.01	22.0	446.2	
0915	45	9.3	423	8.10	25.4	449.2	
0951	81	9.0	750	8.07	25.9	454.2	
1029	119	9.0	1,095	8.12	26.1	453.6	
1110	160	9.0	1,467	8.11	26.3	452.7	
1147	197	8.3	1,775	8.06	26.4	452.3	
							Pump Off 1226

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot off of pressure tanks

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
MCCONNELL	1226	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080 | Client: Freeport-McMoran Sierrita, Inc.

Task No: 02 | Date: 7/8/2025

Well ID: MCCONNELL 265 | Weather: SUNNY

ADWR No: 539265 | Sampler: JS

WELL DATA

Well Depth (ft bls): 216

Casing Diameter (in): 6

Static Water Level (ft bmp): 173.05

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
		W10					
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
W10							

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [ ] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [x] Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Copper Queen Branch

Project No: CC18.1080 | Client: Freeport-McMoran ~~Sierrita, Inc.~~

Task No: 1.2 | Date: 7/18/2018

Well ID: METZLER | Weather: partly Cloudy

ADWR No: 35-71891 | Sampler: JS

WELL DATA

Well Depth (ft bls):	351
Casing Diameter (in):	6
Static Water Level (ft bmp):	301.10
Casing Volume (gal):	x3 =
Total Volume Purged (gal):	

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WLO				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
	WLO						

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: WLO

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

10

Project No: CC18.1080 | Client: Freeport-McMoran Sierrita, Inc.

Task No: 2 | Date: 7/18/2025

Well ID: MOORE | Weather: overcast

ADWR No: | Sampler: JS

WELL DATA

Well Depth (ft bls):	220
Casing Diameter (in):	6
Static Water Level (ft bmp):	164.72
Casing Volume (gal):	82 x3 = 244
Total Volume Purged (gal):	249

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1120	Pump On						
1122	2	8.1	16	7.50	23.2	450.3	
1125	5	7.8	39	7.40	22.6	448.9	
1129	9	8.1	71	7.38	22.6	451.5	
1135	15	8.3	121	7.39	22.6	451.4	
1143	23	8.1	185	7.38	22.6	452.4	
							Pump Off 1151

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot near wellhead

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
MOORE	1151	poly	250mL	1	300.0	N.P	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 | Client: Freeport Copper Queen Branch

Task No: 2 | Date: 7-17-25

Well ID: NESS | Weather: cloudy

ADWR No: | Sampler: JH

WELL DATA

Well Depth (ft bls): 812

Casing Diameter (in): 6

Static Water Level (ft bmp): IWL

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1501	Pump On						
				8.10	25.2	565	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other: spigot by booster

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
NESS	1504	poly	250	1		NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead.
- ☑ No water level measurement collected. Obstruction in well. hung up at 690 Ft Bmp
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: sampled from tank

Additional Comments: Sonde was hung up by 690 Ft, did not sound. Hand filtered

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 7-17-25

Well ID: Natemon Weather: cloudy

ADWR No: 212483 Sampler: JH

WELL DATA

Well Depth (ft bls): 470

Casing Diameter (in): 5

Static Water Level (ft bmp): ~~Hydrical~~ 371.17

Casing Volume (gal): 101 x3 = 303

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1241	Pump On						
1242	1	10	10	7.34	28.1	1334	
1252	11	10	110	7.06	24.1	1321	
1302	21	10	210	6.87	23.9	1310	
1312	31	10	310	6.83	23.7	1326	
1313	Sample taken						
							Pump Off 1315

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead (Other): spigot by driveway

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
Natemon	1313	poly	250	3			

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☑ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☒ Purged 3 well volumes and field parameters stabilized.
- ☑ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 7-15-25

Well ID: MSD-02 Weather: Overcast

ADWR No: Sampler: JL

WELL DATA

Well Depth (ft bls):

Casing Diameter (in):

Static Water Level (ft bmp): 117.11

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 8/22/2025

Well ID: WSD-03 Weather: Slightly overcast

ADWR No: 527586 Sampler: JS

WELL DATA

Well Depth (ft bls): 100

Casing Diameter (in):

Static Water Level (ft bmp): IWL or dry

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WLO				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
	WLO						

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☑ No water level measurement collected. Obstruction in well. ~100
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: WLO.

Additional Comments: grabs at 97' & 75'. Probe coming up sandy.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 | Client: Freeport Copper Queen Branch

Task No: 2 | Date: 7-18-25

Well ID: NWC-~~04~~02 | Weather: cloudy

ADWR No: 562494 | Sampler: DH

WELL DATA

Well Depth (ft bls): 312

Casing Diameter (in): 6

Static Water Level (ft bmp): 178.11

Casing Volume (gal): 49 x3 = 144

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0840	Pump On						
0842	2	100	200	7.69	21.7	459	
0844	4	100	400	7.59	~~45~~ 21.1	454	
0846	6	100	600	7.54	21.7	447	
0848	8	100	800	7.50	21.5	443	
0849	pump off						
							Pump Off 0850

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
NWC-~~04~~02	0849	poly	250	1		NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: hand filtered

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 7-18-25

Well ID: NWC-03 CAP Weather: cloudy

ADWR No: 627684 Sampler: JH

WELL DATA

Well Depth (ft bls): 174

Casing Diameter (in): 6

Static Water Level (ft bmp): Dry

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: WLO

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 7-18-25

Well ID: NWC-04 Weather: cloudy

ADWR No: 562 Sampler: JH

WELL DATA

Well Depth (ft bls): ~~311~~ 780

Casing Diameter (in): 6

Static Water Level (ft bmp): 520.61

Casing Volume (gal): 307 x3 = 923

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0940	Pump On						
0943	3	10	30	7.75	25.4	856	
0945	~~6~~ 5	10	50	7.50	24.7	852	
0947	~~8~~ 7	10	70	7.47	24.2	852	
0949	~~9~~ 9	10	90	7.40	24.4	850	
0950							
							Pump Off 0952

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected. well was running on arrival
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☑ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 | Client: Freeport Copper Queen Branch

Task No: 2 | Date: 7-18-25

Well ID: NWC-06 | Weather: Overcast

ADWR No: 525706 | Sampler: JH

WELL DATA

Well Depth (ft bls): 340

Casing Diameter (in): 8

Static Water Level (ft bmp): 172.19

Casing Volume (gal): 438 x3 = 1315

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0810	Pump On						
0812	2	130	260	7.15	21.8	409	
0814	4	130	520	7.20	21.9	406	
0816	6	130	780	7.23	21.8	407	
0818	8	130	1040	7.30	21.9	407	
0820	10	130	1300	7.32	21.8	408	
0821	11	sample	taking				
							Pump Off 0822

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
NWC-06	0821	poly	250	1		NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: hand filtered

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

9

Project No: CC18.1080 Client: Freeport-McMoran Sierrita, Inc.

Task No: 4.2 Date: 7/10/2025

Well ID: OLMOS Weather: Sunny

ADWR No: 224745 Sampler: SS

WELL DATA

Well Depth (ft bls): 306

Casing Diameter (in): 6

Static Water Level (ft bmp): 158.40

Casing Volume (gal): 217 x3 = 651

Total Volume Purged (gal): 657

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0949	Pump On						
0950	1	10	10	7.61	23.0	438.5	
1010	21	11	240	7.77	22.7	429.3	
1016	27	12	312	7.55	22.4	431.2	
1030	41	11	473	7.49	22.3	435.7	
							Pump Off 1046

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot near well head

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
OLMOS	1046	poly	250mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: Needed addtnl weight to sound.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

46

Project No: CC18.1080 | Client: Freeport-McMoran Sierrita, Inc.

Task No: 4.2 | Date: 8/18/2025

Well ID: PALMER | Weather: Sunny

ADWR No: 578819 | Sampler: SS

WELL DATA

Well Depth (ft bls): 220

Casing Diameter (in): —

Static Water Level (ft bmp): IWL

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
—	Pump On						
1145	—	0	—	8.01	30.2	527.5	from storage tank
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
PALMER	1148	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☑ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: Sampled off of storage tank atop garage adjacent container

Additional Comments: Sampled from storage tank. Hand filtered.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Copper Queen Brands

Project No: CC18.1080 Client: Freeport-McMoran ~~Sierrita, Inc~~

Task No: 3.2 Date: 7/17/2025

Well ID: PANAGAKOS Weather: Sunny

ADWR No: 55-76413 Sampler: TS

WELL DATA

Well Depth (ft bls): 200

Casing Diameter (in): 8

Static Water Level (ft bmp): 178.52*

Casing Volume (gal): 57 x3 = 169

Total Volume Purged (gal): 174

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
(8)	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1118	Pump On						
1120	2	8.8	17	7.37	21.2	1,208	
1123	5	9.0	44	7.28	21.4	1,157	
1125	7	8.8	61	7.32	21.4	1,102	
1128	10	8.8	87	7.34	21.4	1,081	
1133	15	8.8	131	7.31	21.5	1,090	
							Pump Off 1138

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot near wellhead

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
PANAGAKOS	1138	poly	250mL	1	300.0	IVP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☑ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ~~☑ Purged 3 well volumes and field parameters stabilized.~~
- ☑ Purged 3 well volumes based on previous water level and field paremeters stabilized
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: HISTORIC WL from Q3 2024

CLEAR CREEK ASSOCIATES

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Groundwater Sampling Form

Copper Queen Branch

Project No: CC18.1080 Client: Freeport-McMoran ~~Sierrita, Inc.~~

Task No: 0.2 Date: 7/18/2015

Well ID: PARRA Weather: partly Cloudy

ADWR No: 576425 Sampler: JS

WELL DATA

Well Depth (ft bls): 355

Casing Diameter (in): 6

Static Water Level (ft bmp): 288.99*

Casing Volume (gal): 98 x3 = 292

Total Volume Purged (gal): 293

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0918	Pump On						
0921	3	13	39	7.38	21.8	1,103	
0925	7	12	87.	7.19	21.8	1,095	
0929	11	12	137.	7.15	21.9	1,086	
0934	16	12	197	7.24	21.9	1,082	
							Pump Off 0942

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Hose (Removing hose from port difficult).

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
PARRA	0942	poly	250 mL	1	300.0	NP.	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☑ No water level measurement collected. Obstruction in well
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☑ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: * 2009 WL. Well has power breaker ~3 ft South of well.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080 Client: Freeport-McMoran Sierrita, Inc.

Task No: 3.2 Date: 7/15/2025

Well ID: PIONKE 395 Weather: Sunny

ADWR No: 613395 Sampler: JS

WELL DATA

Well Depth (ft bls): 330

Casing Diameter (in): ~~4~~ 5.

Static Water Level (ft bmp): 165.32

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WTO				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
	WTO						

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [ ] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized
- [ ] Purged well until field parameters stabilized.
- [x] Other: WTO

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

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Project No:	CC18.1080	Client:	Freeport-McMoran ~~Sierrita, Inc.~~ Copper Queen Branch
Task No:	1.2	Date:	7/15/2025
Well ID:	PIONKE 517	Weather:	SUNNY
ADWR No:	221517	Sampler:	JS

WELL DATA

Well Depth (ft bls):	604
Casing Diameter (in):	5
Static Water Level (ft bmp):	162.09
Casing Volume (gal):	451 x3 = 1,353
Total Volume Purged (gal):	1,359

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1040	Pump On						
1046	6	6.8	40	7.57	22.5	388.9	
1057	27	6.2	171	7.60	23.2	389.1	
1129	49	6.9	324	7.62	23.6	389.9	
1159	79	6.9	533	7.62	23.6	390.0	
1227	107	6.3	711	7.62	23.8	388.9	
1300	140	6.3	921	7.83	23.9	390.2	
1327	167	7.3	1,118	7.64	23.9	389.8	
							Pump Off 1403

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot on west side of pumphouse, covered by styrofoam

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
PIONKE 517	1403	poly	250mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 | Client: Freeport Copper Queen Branch

Task No: 2 | Date: 8/25/2025

Well ID: POOL | Weather: Sunny

ADWR No: 509518 | Sampler: JS

WELL DATA

Well Depth (ft bls): 313

Casing Diameter (in): 6

Static Water Level (ft bmp): 219.65

Casing Volume (gal): 138 x3 = 412

Total Volume Purged (gal): 414

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1409	Pump On						
1414	5	9.3	46	7.34	21.3	543.6	black sand in discharge
1420	11	9.6	104	7.34	20.8	544.4	Less sediment
1425	16	9.3	150	7.39	20.8	543.9	No sediment
1430	21	9.6	198	7.38	20.8	544.9	
1435	26	9.3	244	7.41	20.7	546.1	
1440	31	9.6	292	7.38	20.7	543.4	
							Pump Off 1453

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead (Other): Spigot on south side of garage

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
POOL	1453	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

4S

Project No: CC18.1080 | Client: Freeport-McMoran Sierrita, Inc.

Task No: 4[illegible]2 | Date: ~~0911~~ JS 8/18/2025

Well ID: POWER 639 | Weather: Overcast

ADWR No: 222639 | Sampler: JS

WELL DATA

Well Depth (ft bls):	480
Casing Diameter (in):	6
Static Water Level (ft bmp):	302.15
Casing Volume (gal):	262 x3 = 785
Total Volume Purged (gal):	792

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0928	Pump On						
0933	5	12	62	7.67	20.5	418.9	
0940	12	12	150	7.85	20.8	421.9	
0952	24	12	300	7.70	20.7	571.4	
1002	[illegible]34	12	420	7.65	20.8	618.7	
1016	42	12	516	7.61	20.6	649.2	
1019	51	12	624	7.51	20.6	712.1	
							Pump Off 1033

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
POWER 639	1033	poly	250 mL	1	300.0	NP	Y
DUP250818	1033	poly	250mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: Conductivity barely met stabilization criteria. It appears to be continuing to climb

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

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Project No: CC18.1080 Client: Freeport-McMoran Sierrita, Inc.

Task No: [redacted]2 Date: 7/9/2025

Well ID: RAMIREZ Weather: SUNNY

ADWR No: 216425 Sampler: JS

WELL DATA

Well Depth (ft bls): 300

Casing Diameter (in): 6

Static Water Level (ft bmp): 176.29

Casing Volume (gal): 182 x3 = 546

Total Volume Purged (gal): 546

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1326	Pump On						
1329	3	11	33	7.53	23.8	424.4	
1334	8	10	[redacted]117	7.51	24.5	420.7	
1345	19	11	239	7.53	23.9	430.9	
1355	29	12	364	7.55	23.8	425.5	
1404	38	12	472	7.48	23.8	426.1	
							Pump Off 1410

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot off pressure tanks

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
RAMIREZ	1410	poly	250mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 | Client: Freeport Copper Queen Branch

Task No: 2 | Date: 7-17-25

Well ID: Ray | Weather: cloudy

ADWR No: 603772 | Sampler: JH

WELL DATA

Well Depth (ft bls): 100

Casing Diameter (in): 8

Static Water Level (ft bmp): 53.69

Casing Volume (gal): 120 x3 = 360

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1020	Pump On						
1020	2	8	16	7.14	21.5	1674	
1030	12	8	96	7.20	21.3	1530	
1040	22	8	176	7.29	21.1	1523	
1050	32	8	266	7.21	21.2	1530	
1100	42	8	356	7.19	21.3	1534	
1101	sample						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

CQB 7

Project No: CC18.1080 Client: Freeport-McMoran ~~Sierrita~~, Inc.

Task No: 3.2 Date: 7/9/2025

Well ID: ROGERS 596 Weather: Sunny

ADWR No: 573596 Sampler: JS

WELL DATA

Well Depth (ft bls): 290

Casing Diameter (in): 6

Static Water Level (ft bmp): 149.64

Casing Volume (gal): 207 x3 = 619

Total Volume Purged (gal): 208

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1135	Pump On						
1136	1	2.78	2	6.99	33.9	1,400	Brown discharge
1202	27	2.67	71	6.92	27.0	1,401	~~brown~~ cloudy discharge
1219	44	2.60	115	6.90	27.0	1,381	
1231	56	2.46	144	6.93	26.5	1,383	cloudy
1240	65	2.41	167	6.89	26.4	1,390	cloudy
							Pump Off 1257

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Hose bib in driveway

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
ROGERS 596	1257	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☑ Purged well until field parameters stabilized. Purged 1 well volume.
- ☐ Other:

Additional Comments: Myron calibrates at 1158

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080 | Client: Freeport-McMoran Sierrita, Inc.

Task No: 4.2 | Date: 7/9/2025

Well ID: ROGERS 803 | Weather: Sunny

ADWR No: 641803 | Sampler: JS

WELL DATA

Well Depth (ft bls): 140

Casing Diameter (in): 6

Static Water Level (ft bmp): Dry

Casing Volume (gal): 0 x3 = 0

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			Dry				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
	Dry						

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☑ Other: Dry

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: Dry

Additional Comments: well house south of house.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

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copper Queen Branch

Project No: CC18.1080 Client: Freeport-McMoran ~~Sierrita, Inc.~~

Task No: 2 Date: 7/17/2025

Well ID: ROGERS E Weather: SUNNY

ADWR No: Sampler: JS

WELL DATA

Well Depth (ft bls):	285
Casing Diameter (in):	~~166.40~~ 6
Static Water Level (ft bmp):	166.40
Casing Volume (gal):	175 x3 = 524
Total Volume Purged (gal):	529

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0910	Pump On						
0912	2	10	20	7.41	22.1	469.3	
0920	10	8.5	88	7.53	22.2	472.2	
0930	20	8.8	176	7.38	22.4	477.1	
0940	30	8.8	264	7.42	22.5	478.5	
0951	41	10	381	7.41	22.4	475.1	
							Pump Off 1007

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot near well head

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
ROGERS E	1007	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

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Groundwater Sampling Form

Copper Queen Branch

Project No: CC18.1080 Client: Freeport-McMoRan ~~Sierrita~~, Inc.

Task No: 4.2 Date: 7/17/2025

Well ID: RV12 146 Weather: Sunny

ADWR No: 232146 Sampler: SS

WELL DATA

Well Depth (ft bls): 500

Casing Diameter (in): 6

Static Water Level (ft bmp): 306.31

Casing Volume (gal): 285 x3 = 855

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0803	Pump On				22.3		
0805	2	~10 *	—	7.24	~~7.21~~	596.5	
0810	7	|	—	7.28	22.1	616.0	
0815	12	|	—	7.28	22.2	624.3	
0820	17	|	—	7.28	22.1	627.7	
		|					
		|					
		|					
		|					
		|					Pump Off —

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
RV12 146	0823	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☑ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: * discharge filling bank while purging. Rate does not reflect volume from hose.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080 Client: Freeport-McMoran Sierrita, Inc.

Task No: 4.2 Date: 7/17/2025

Well ID: SCHWARTZ Weather: SUNNY

ADWR No: 210865 Sampler: JS

WELL DATA

Well Depth (ft bls): 305

Casing Diameter (in): 6

Static Water Level (ft bmp): 138.61

Casing Volume (gal): 245 x3 = 734

Total Volume Purged (gal): 738

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1303	Pump On						
1305	2	11	23	7.52	22.0	685.5	
1314	11	7.3	88	7.36	23.2	689.3	
1325	22	8.1	177	7.32	22.1	706.8	
1333	30	11	265	7.35	21.9	716.0	
1345	42	10	393	7.35	22.1	725.8	
1355	52	7.5	468	7.33	22.5	725.1	
							Pump Off 1425

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Port near wellhead

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
SCHWARTZ	1425	poly	250mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 7/7/2025

Well ID: STEPHENS Weather:

ADWR No: 808560 Sampler: JS

WELL DATA

Well Depth (ft bls):

Casing Diameter (in):

Static Water Level (ft bmp):

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
	WLO						
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WLO							

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☑ Other: NPA

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: WLO

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080 | Client: Freeport-McMoran ~~Sierrita, Inc.~~ Copper Queen Branch

Task No: 6.2 | Date: 7/15/2025

Well ID: THOMPSON 1S1 | Weather: Sunny

ADWR No: 612151 | Sampler: JS

WELL DATA

Well Depth (ft bls): 210

Casing Diameter (in): 7

Static Water Level (ft bmp): —

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WLO				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WLO							

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☑ No water level measurement collected. Obstruction in well. ~ 173'.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: WLO

Additional Comments:

CLEAR CREEK ASSOCIATES

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Groundwater Sampling Form

Project No: CC18.1080 Client: Freeport-McMoran ~~Sierrita, Inc.~~ Copper Queen Branch

Task No: ~~M~~2 Date: 7/15/2025

Well ID: THOMPSON 341 Weather: Sunny

ADWR No: 218341 Sampler: JS

WELL DATA

Well Depth (ft bls):	285
Casing Diameter (in):	7
Static Water Level (ft bmp):	~~[illegible]~~ 177.56
Casing Volume (gal):	215 x3 = 644
Total Volume Purged (gal):	

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1442	Pump On						
1443	1			7.34	23.8	424.4	
1445	3			7.40	22.8	422.4	
1446	4			7.39	22.1	422.3	
1447	5			7.42	22.4	418.3	
							Pump Off 1448

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
THOMPSON 341	1448	poly	250mL	1	300.0	NP	

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☑ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments:

A= 0.267 ft²

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 8-26-25 / 8-27-25

Well ID: TM-2A Weather: Partly Cloudy

ADWR No: _____ Sampler: Christopher K Simm

WELL DATA

Well Depth (ft bls): 925

Casing Diameter (in): 4

Static Water Level (ft bmp): 345.90 / 422.15

Casing Volume (gal): 376.4 x3 = 1,129

Total Volume Purged (gal): 1264

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0600	Pump On						
0605	5	7.5	32				
0700	60	5.5	450	7.86	24.0	450	
0740	100	3.2	670	8.01	23.8	448	
0840	160	1.8	862	7.99	23.6	452	
0920	200	1.2	934	7.96	23.8	451	BS 1002
8-27-25 1300							
1320	20	5.5	110	7.79	23.8	482	
1340	40	5.5	220	7.76	23.9	479	
1400	60	5.5	330	7.80	24.0	480	Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
TM-2A	1400	PL	250	1	300	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments:

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 7-17-25

Well ID: TM-6 Weather: Sunny

ADWR No: _____ Sampler: Christopher L Slocum

WELL DATA

Well Depth (ft bls):	200
Casing Diameter (in):	4
Static Water Level (ft bmp):	164.43
Casing Volume (gal):	23.1 x3 = 69.4
Total Volume Purged (gal):	172

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0800	Pump On						
0805	5	11.5	57	7.19	20.2	731	
0810	10	11.5	115	7.21	20.3	726	
0815	15	11.5	172	7.24	20.2	721	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
TM-6	0815	PL	250	1	300	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: 356

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 9-3-25

Well ID: TM-7 Weather: Partly Cloudy

ADWR No: _____ Sampler: Christopher L Sherman

WELL DATA

Well Depth (ft bls): 350

Casing Diameter (in): 4

Statio Water Level (ft bmp): 343.07

Casing Volume (gal): 4.55 x3 = 13.65

Total Volume Purged (gal): 40

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0700	Pump On						
0702	2	5	10	7.47	20.8	584	
0712	-						
0714	4	5	20	7.51	20.9	583	
0724	-						
0726	6	5	30	7.49	21.0	586	
0736	-						
0738	8	5	40	7.46	21.1	591	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
TM-7	0738	PL	250	1	350.1	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measuremant collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [ ] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [x] Other:

Additional Comments: 7

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 8/22/2025

Well ID: TM-10 USBP Weather: Sunny

ADWR No: 522696 Sampler: JS

WELL DATA

Well Depth (ft bls):	296
Casing Diameter (in):	4
Static Water Level (ft bmp):	269.48
Casing Volume (gal):	18 x3 = 52
Total Volume Purged (gal):	~16

Casing Capacity

Nominal Size (inches)	Gallons per Linear Foot
2	0.16
(4)	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

LPM Liters

Time	Elapsed Time (min)	Discharge Rate ~~(gpm)~~	Total Discharge ~~(gallons)~~	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1016	Pump On						
1017	1	31	31	7.74	19.7	352.3	
1018	> 2						pump off. Well recd dry
1032							pump on Sampled
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
TM-10 USBP	1032	poly	250 mL	1	300.0	NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: Hand filtered.
Q = 8.1 gpm.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 8-18-25

Well ID: TM-15 Weather: Partly Cloudy

ADWR No: _____ Sampler: Christopher L Sherman

WELL DATA

Well Depth (ft bls): 325

Casing Diameter (in): 4

Static Water Level (ft bmp): 306.29

Casing Volume (gal): 12.2 x3 = 36.6

Total Volume Purged (gal): 270

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0700	Pump On						
0710	10	9	90	7.49	22.7	526	
0720	20	9	180	7.47	22.6	523	
0730	30	9	270	7.50	22.5	524	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
TM-15	0730	PL	250	1	300.0	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: 18.8

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 7-14-25

Well ID: TM-16 Weather: Partly Cloudy

ADWR No: _____ Sampler: Christopher L Shum

WELL DATA

Well Depth (ft bls): 115

Casing Diameter (in): 4"

Static Water Level (ft bmp): 64.36

Casing Volume (gal): 33 x3 = 99

Total Volume Purged (gal): 315

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0510	Pump On						
0515	5	21	105	6.89	20.9	1454	
0520	10	21	210	6.91	20.8	1452	
0525	15	21	315	6.92	20.8	1455	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
TM-16	0525	PL	250	1	350	Ice	X

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: 50.7

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 8-6-25

Well ID: TM-19A Weather: Sunny

ADWR No: _____ Sampler: Christopher L Sherman

WELL DATA

Well Depth (ft bls): 700

Casing Diameter (in): 4

Static Water Level (ft bmp): 215.30

Casing Volume (gal): 315 x3 = 945

Total Volume Purged (gal): 1000

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0700	Pump On						
0715	15	25	375	7.37	23.3	651	
0725	25	25	625	7.38	23.3	649	
0740	40	25	1000	7.40	23.4	648	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
TM-19A	0740	PL	250	1	300.0	Ice	Y

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stebilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: 484.7

Groundwater Sampling Form

Project No: _____ Client: Freeport Copper Queen Branch

Task No: _____ Date: 8-6-25

Well ID: TM-42 Weather: Sunny

ADWR No: _____ Sampler: Christopher L Shumm

WELL DATA

Well Depth (ft bls):	250
Casing Diameter (in):	5
Static Water Level (ft bmp):	225.75
Casing Volume (gal):	24.7 x3 = 74.3
Total Volume Purged (gal):	150

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0600	Pump On						
0610	10	5	50	7.07	21.5	1545	
0620	20	5	100	7.05	21.3	1541	
0630	30	5	150	7.05	21.4	1540	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
TM-42	0630	PL	250	1	300	Ice	X

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [x] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [ ] Other:

Additional Comments: 24.3

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Groundwater Sampling Form

Copper Queen Branch

Project No: CC18.1080 Client: Freeport-McMoran ~~Sierrita, Inc.~~

Task No: 2 Date: 7/15/2025

Well ID: TVI 236 Weather: SUNNY

ADWR No: 802236 Sampler: JS

WELL DATA

Well Depth (ft bls): 222

Casing Diameter (in): 12

Static Water Level (ft bmp): 137.45

Casing Volume (gal): 497 x3 = 1,490

Total Volume Purged (gal): 2,100

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0808	Pump On						
0809	1	~300	300	7.65	20.5	507.1	
0810	2	300	600	7.55	20.3	505.8	
0811	3	300	900	7.64	20.2	506.6	
0812	4	300	1,200	7.59	20.3	507.7	
0813	5	300	1,500	7.56	20.4	508.1	
							Pump Off 0816

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Discharge pipe south of well

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
TVI 236	0815	poly	250 mL	1	300.0	NP	
DUP250715	0815	poly	250 mL	1	300.0	NP	

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☑ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: Hand Filtered.

A = 0.785 ft²

7.48 gallons/ft³

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 8/21/2025

Well ID: TVI 713 Weather:

ADWR No: 567713 Sampler: JS

WELL DATA

Well Depth (ft bls): 200

Casing Diameter (in): 8

Static Water Level (ft bmp): 141.70

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
(8)	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WLO				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
	WLO						

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: WLO

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date:

Well ID: TVI [redacted]875 Weather:

ADWR No: 568875 Sampler:

WELL DATA

Well Depth (ft bls): 330

Casing Diameter (in): 8

Static Water Level (ft bmp): IWL

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
(8)	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
				WIO			
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
	WIO						

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☑ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: WIO

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080 | Client: Freeport-McMoran Sierrita, Inc.

Task No: 4.2 | Date: 7/8/2025

Well ID: WEED | Weather: Partially cloudy

ADWR No: 544535 | Sampler: JS

WELL DATA

Well Depth (ft bls): 320

Casing Diameter (in): 6

Static Water Level (ft bmp): TWL

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
1402	Pump On						
1404	2	15	30	7.79	21.9	395.8	
1409	7	15	108	7.83	21.9	393.4	
1413	11	17	178	7.80	21.7	395.5	
1419	17	16	278	7.76	21.8	395.7	
							Pump Off 1420

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Discharge pipe running E-W at well head.

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WEED	1420	poly	250 mL	1	300.0	NP	

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☒ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☑ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: Lift float valve in fault to turn on pump.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080 | Client: Freeport-McMoran Sierrita, Inc.

Task No: 3.2 | Date: 7/16/2025

Well ID: WEISKOPF 802 | Weather: overcast

ADWR No: 641802 | Sampler: SS

WELL DATA

Well Depth (ft bls): 200

Casing Diameter (in): 6

Static Water Level (ft bmp): 159.88

Casing Volume (gal): 59 x3 = 177

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			WTO				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
	WTO						

WATER LEVEL MEASUREMENT COLLECTION

- [x] Water level measurement collected.
- [ ] No water level measurement collected. No access to wellhead/No port in wellhead
- [ ] No water level measurement collected. Obstruction in well.
- [ ] No water level measurement collected. Well is pumping.
- [ ] Other:

WELL PURGING INFORMATION

- [ ] Purged 3 well volumes and field parameters stabilized.
- [ ] Purged 3 well volumes based on previous water level and field paremeters stabilized.
- [ ] Purged well until field parameters stabilized.
- [x] Other: WTO

Additional Comments:

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

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Project No:	CC18.1080	Client:	Freeport-McMoran Sierrita, Inc.
Task No:	3.2	Date:	7/16/2025
Well ID:	WEISKOPF 897	Weather:	over cast
ADWR No:	220897	Sampler:	JS

WELL DATA

Well Depth (ft bls):	1,050
Casing Diameter (in):	5
Static Water Level (ft bmp):	159.49
Casing Volume (gal):	909 x3 = 2,725
Total Volume Purged (gal):	909

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
(5)	1.02
6	1.47
8	2.61
10	4.08

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
0829	Pump On						
0831	2	5.4	10	7.68	22.4	386.6	
0844	15	6.0	88	7.69	22.4	385.6	
0901	32	6.6	194	7.70	22.9	387.0	
0913	44	5.4	259	7.68	23.1	385.3	
0945	76	5.6	440	7.69	23.9	386.1	
1016	107	5.8	622	7.69	24.2	384.7	
1045	136	6.8	819	7.65	24.3	385.2	
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot ~~off pressure tank~~ East of pump house.

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
WEISKOPF	1100	poly	250 mL	1	300.0	IVP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☑ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field paremeters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: Purged 1 well volume & field parameters stabalized.

Additional Comments: ~~WW~~

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 8/18/2025

Well ID: ZANDER Weather: Over cast

ADWR No: 205126 Sampler: SS

WELL DATA

Well Depth (ft bls): 280

Casing Diameter (in): 6

Static Water Level (ft bmp):

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
(6)	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
			NPA				
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
NPA							

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☑ No water level measurement collected. No access to wellhead/No port in wellhead NPA
- ☐ No water level measurement collected. Obstruction in well.
- ☐ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☐ Purged well until field parameters stabilized.
- ☑ Other: NPA

Additional Comments: According to OLMOS, Ownership still is not established. Property is maintained through weekly or bi-weekly visits from relatives of the deceased. Need new access agreement. Dogs.

CLEAR CREEK ASSOCIATES

Groundwater Sampling Form

Project No: CC18.1080.00 Client: Freeport Copper Queen Branch

Task No: 2 Date: 10/17/25

Well ID: NWC-04 Weather: cloudy

ADWR No: Sampler: TH

WELL DATA

Well Depth (ft bls): 780

Casing Diameter (in): 6

Static Water Level (ft bmp):

Casing Volume (gal): x3 =

Total Volume Purged (gal):

Casing Capacity	
Nominal Size (inches)	Gallons per Linear Foot
2	0.16
4	0.65
5	1.02
6	1.47
8	2.61
10	4.08
16	10.44
20	16.31

Casing Volume = gallons/foot * water column (feet)

FIELD SAMPLING DATA

Time	Elapsed Time (min)	Discharge Rate (gpm)	Total Discharge (gallons)	pH (SU)	Temp (°C)	Specific Conductance (µS/cm)	Comments
	Pump On						
0824		8		8.16	20.5	875	
0830	6	8	48	7.55	21.4	866	
0833	9	8	72	7.45	21.4	862	
0837	13	8	104	7.47	21.0	860	
0839	sample	taken					
							Pump Off

FIELD PARAMETER STABILIZATION: Three consecutive readings within 0.3 su pH, 2 degrees C, and 100 µS/cm)

SAMPLE INFORMATION

Sample Collection Point: Spigot at / near wellhead Other:

Sample ID	Time	Container Type	Volume	No. of Containers	Analysis Method	Preservative	Filtered (y/n)
NWC-04	0839	poly	250	1		NP	Y

WATER LEVEL MEASUREMENT COLLECTION

- ☐ Water level measurement collected.
- ☐ No water level measurement collected. No access to wellhead/No port in wellhead
- ☐ No water level measurement collected. Obstruction in well.
- ☑ No water level measurement collected. Well is pumping.
- ☐ Other:

WELL PURGING INFORMATION

- ☐ Purged 3 well volumes and field parameters stabilized.
- ☐ Purged 3 well volumes based on previous water level and field parameters stabilized.
- ☑ Purged well until field parameters stabilized.
- ☐ Other:

Additional Comments: Hand Filtered

CLEAR CREEK ASSOCIATES

Appendix B

Analytical Reports

CLEAR CREEK ASSOCIATES

March 24, 2025

Chris Sherman
Freeport McMoran - Copper Queen Branch
36 W Highway 92
Bisbee, AZ 85603-1047

TEL (520) 432-6206
FAX

Work Order No.: 25A0728
Order Name: CQB Quarterly
CC18.1080.00

RE: CQB

Dear Chris Sherman,

Turner Laboratories, Inc. received 16 sample(s) on 01/31/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066



Elizabeth Kasik
Laboratory Director

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25A0728
Date Received: 01/31/2025

Order: CQB Quarterly CC18.1080.00

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25A0728-01	DUP20250127	Ground Water	01/27/2025 0700
25A0728-02	FB20250127	Ground Water	01/27/2025 1030
25A0728-03	EQB20250127	Ground Water	01/27/2025 1043
25A0728-04	POWER-639	Ground Water	01/27/2025 1036
25A0728-05	WEED	Ground Water	01/27/2025 1335
25A0728-06	ROGERS-E	Ground Water	01/27/2025 1627
25A0728-07	TVI-236	Ground Water	01/28/2025 0959
25A0728-08	ROGERS-596	Ground Water	01/28/2025 1320
25A0728-09	AWC-05	Ground Water	01/29/2025 0949
25A0728-10	AWC-03	Ground Water	01/29/2025 1040
25A0728-11	AWC-02	Ground Water	01/29/2025 1143
25A0728-12	AWC-04	Ground Water	01/29/2025 1237
25A0728-13	BMO-2010-3B	Ground Water	01/30/2025 1241
25A0728-14	BMO-2010-3M	Ground Water	01/30/2025 1602
25A0728-15	PANAGAKOS	Ground Water	01/30/2025 1739
25A0728-16	TM-10-USBP	Ground Water	01/31/2025 0932

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25A0728
Date Received: 01/31/2025

Case Narrative

This report has been revised to correct a sample descriptions.

E4	Concentration estimated. Analyte was detected below laboratory Minimum Reporting Limit (MRL) but above MDL.
M2	Matrix spike recovery was low; the associated LCS/LCSD was acceptable.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND	Not Detected at or above the PQL
PQL	Practical Quantitation Limit
DF	Dilution Factor

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25A0728
Lab Sample ID: 25A0728-01

Client Sample ID: DUP20250127
Collection Date/Time: 01/27/2025 0700
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	168	28.1	50.0		mg/L	10	02/07/2025 1700	02/21/2025 0807	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25A0728
Lab Sample ID: 25A0728-02

Client Sample ID: FB20250127
Collection Date/Time: 01/27/2025 1030
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	3.55	2.81	5.00	E4	mg/L	1	02/06/2025 1000	02/06/2025 1914	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25A0728
Lab Sample ID: 25A0728-03

Client Sample ID: EQB20250127
Collection Date/Time: 01/27/2025 1043
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	3.56	2.81	5.00	E4	mg/L	1	02/07/2025 1700	02/08/2025 0101	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25A0728
Lab Sample ID: 25A0728-04

Client Sample ID: POWER-639
Collection Date/Time: 01/27/2025 1036
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	182	28.1	50.0		mg/L	10	02/06/2025 1000	02/19/2025 0033	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25A0728
Lab Sample ID: 25A0728-05

Client Sample ID: WEED
Collection Date/Time: 01/27/2025 1335
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	13.7	2.81	5.00		mg/L	1	02/07/2025 1700	02/08/2025 0125	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25A0728
Lab Sample ID: 25A0728-06

Client Sample ID: ROGERS-E
Collection Date/Time: 01/27/2025 1627
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	9.87	2.81	5.00		mg/L	1	02/07/2025 1700	02/08/2025 0149	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25A0728
Lab Sample ID: 25A0728-07

Client Sample ID: TVI-236
Collection Date/Time: 01/28/2025 0959
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	28.9	2.81	5.00		mg/L	1	02/07/2025 1700	02/08/2025 0212	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25A0728
Lab Sample ID: 25A0728-08

Client Sample ID: ROGERS-596
Collection Date/Time: 01/28/2025 1320
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	499	28.1	50.0		mg/L	10	02/07/2025 1700	02/21/2025 0830	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25A0728
Lab Sample ID: 25A0728-09

Client Sample ID: AWC-05
Collection Date/Time: 01/29/2025 0949
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	18.0	2.81	5.00		mg/L	1	02/07/2025 1700	02/08/2025 0300	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25A0728
Lab Sample ID: 25A0728-10

Client Sample ID: AWC-03
Collection Date/Time: 01/29/2025 1040
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	69.9	2.81	5.00		mg/L	1	02/07/2025 1700	02/08/2025 0324	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25A0728
Lab Sample ID: 25A0728-11

Client Sample ID: AWC-02
Collection Date/Time: 01/29/2025 1143
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	16.3	2.81	5.00		mg/L	1	02/07/2025 1700	02/08/2025 0348	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25A0728
Lab Sample ID: 25A0728-12

Client Sample ID: AWC-04
Collection Date/Time: 01/29/2025 1237
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	23.1	2.81	5.00		mg/L	1	02/07/2025 1700	02/08/2025 0412	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25A0728
Lab Sample ID: 25A0728-13

Client Sample ID: BMO-2010-3B
Collection Date/Time: 01/30/2025 1241
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	26.0	2.81	5.00		mg/L	1	02/07/2025 1700	02/08/2025 0436	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25A0728
Lab Sample ID: 25A0728-14

Client Sample ID: BMO-2010-3M
Collection Date/Time: 01/30/2025 1602
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	9.71	2.81	5.00		mg/L	1	02/07/2025 1700	02/08/2025 0635	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25A0728
Lab Sample ID: 25A0728-15

Client Sample ID: PANAGAKOS
Collection Date/Time: 01/30/2025 1739
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	205	28.1	50.0		mg/L	10	02/07/2025 1700	02/21/2025 0854	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25A0728
Lab Sample ID: 25A0728-16

Client Sample ID: TM-10-USBP
Collection Date/Time: 01/31/2025 0932
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	10.1	2.81	5.00		mg/L	1	02/07/2025 1700	02/08/2025 0723	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25A0728
Date Received: 01/31/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2502058 - E300.0 (2.1)										
Blank (2502058-BLK1)				Prepared & Analyzed: 02/06/2025						
Sulfate	ND	5.00	mg/L							
LCS (2502058-BS1)				Prepared & Analyzed: 02/06/2025						
Sulfate	13	5.00	mg/L	12.50		104	90-110			
LCS Dup (2502058-BSD1)				Prepared & Analyzed: 02/06/2025						
Sulfate	13	5.00	mg/L	12.50		104	90-110	0.1	10	
Matrix Spike (2502058-MS1)	**Source: 25B0188-01**			Prepared: 02/06/2025 Analyzed: 02/18/2025						
Sulfate	19	5.00	mg/L	12.50	8.6	80	80-120			
Matrix Spike (2502058-MS2)	**Source: 25A0728-02**			Prepared: 02/06/2025 Analyzed: 02/18/2025						
Sulfate	14	5.00	mg/L	12.50	3.6	80	80-120			M2
Matrix Spike (2502058-MS3)	**Source: 25B0204-01**			Prepared: 02/06/2025 Analyzed: 02/18/2025						
Sulfate	22	5.00	mg/L	12.50	12	82	80-120			
Matrix Spike Dup (2502058-MSD1)	**Source: 25B0188-01**			Prepared: 02/06/2025 Analyzed: 02/18/2025						
Sulfate	19	5.00	mg/L	12.50	8.6	81	80-120	0.5	10	
Matrix Spike Dup (2502058-MSD2)	**Source: 25A0728-02**			Prepared: 02/06/2025 Analyzed: 02/18/2025						
Sulfate	14	5.00	mg/L	12.50	3.6	80	80-120	0.4	10	
Matrix Spike Dup (2502058-MSD3)	**Source: 25B0204-01**			Prepared: 02/06/2025 Analyzed: 02/18/2025						
Sulfate	22	5.00	mg/L	12.50	12	80	80-120	1	10	
Batch 2502069 - E300.0 (2.1)										
Blank (2502069-BLK1)				Prepared & Analyzed: 02/07/2025						
Sulfate	ND	5.00	mg/L							
LCS (2502069-BS1)				Prepared & Analyzed: 02/07/2025						
Sulfate	13	5.00	mg/L	12.50		103	90-110			
LCS Dup (2502069-BSD1)				Prepared & Analyzed: 02/07/2025						
Sulfate	13	5.00	mg/L	12.50		103	90-110	0.2	10	
Matrix Spike (2502069-MS1)	**Source: 25B0216-01**			Prepared: 02/07/2025 Analyzed: 02/21/2025						
Sulfate	13	5.00	mg/L	12.50	3.4	78	80-120			M2
Matrix Spike (2502069-MS2)	**Source: 25A0728-03**			Prepared: 02/07/2025 Analyzed: 02/21/2025						
Sulfate	13	5.00	mg/L	12.50	3.6	79	80-120			M2
Matrix Spike (2502069-MS3)	**Source: 25A0728-14**			Prepared: 02/07/2025 Analyzed: 02/21/2025						
Sulfate	20	5.00	mg/L	12.50	9.7	81	80-120			
Matrix Spike (2502069-MS4)	**Source: 25A0728-16**			Prepared: 02/07/2025 Analyzed: 02/21/2025						
Sulfate	20	5.00	mg/L	12.50	10	80	80-120			M2
Matrix Spike Dup (2502069-MSD1)	**Source: 25B0216-01**			Prepared: 02/07/2025 Analyzed: 02/21/2025						
Sulfate	13	5.00	mg/L	12.50	3.4	80	80-120	1	10	M2

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25A0728
Date Received: 01/31/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2502069 - E300.0 (2.1)										
Matrix Spike Dup (2502069-MSD2)	**Source: 25A0728-03**			Prepared: 02/07/2025 Analyzed: 02/21/2025						
Sulfate	13	5.00	mg/L	12.50	3.6	76	80-120	3	10	M2
Matrix Spike Dup (2502069-MSD3)	**Source: 25A0728-14**			Prepared: 02/07/2025 Analyzed: 02/21/2025						
Sulfate	20	5.00	mg/L	12.50	9.7	79	80-120	1	10	M2
Matrix Spike Dup (2502069-MSD4)	**Source: 25A0728-16**			Prepared: 02/07/2025 Analyzed: 02/21/2025						
Sulfate	20	5.00	mg/L	12.50	10	83	80-120	2	10	

TURNER LABORATORIES INC.
2445 N. Coyote Drive, Suite 104
Tucson, Arizona 85745
(520) 882-5880
Fax: (520) 882-9788
www.turnerlabs.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 25A0728 DATE 1/31/2025 PAGE 1 OF 2

PROJECT NAME CQB Quarterly # CC18.1080.00

CONTACT NAME : Chris Sherman

COMPANY NAME : Freeport-McMoRan Copper Queen Branch

ADDRESS : 36 Highway 92

CITY Bisbee STATE AZ ZIP CODE 85603

PHONE 520-508-7063 FAX 520-432-1395

SAMPLER'S SIGNATURE Jason Sean

NUMBER OF CONTAINERS

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	SO4 (300.0)
DUP20250127	1-27-25	0708		GW	✓
FB20250127	1-27-25	1030		GW	✓
EQB20250127	1-27-25	1043		GW	✓
POWER-639	1-27-25	1036		GW	✓
WEED	1-27-25	1335		GW	✓
ROGERS-E	1-27-25	1627		GW	✓
TVI-236	1-28-25	0959		GW	✓
ROGERS-546	1-28-25	1320		GW	✓
AWC-05	1-29-25	0949		GW	✓
AWC-03	1-29-25	1040		GW	✓
AWC-02	1-29-25	1143		GW	✓

1. RELINQUISHED BY:
Signature Jason Sean
Printed Name Jason Sean
Firm Clear Creek Associates
Date/Time 1-31-2025/1341

2. RECEIVED BY:
Signature
Printed Name
Firm
Date/Time

TURNAROUND REQUIREMENTS:
_____ Standard (approx.10 days)*
____ Next day ____ 2 Day ____ 5 Day*
____ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
____ I. Routine Report
____ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
____ III. Date Validation Report (Includes All Raw Data)
Add 10% to Invoice

INVOICE INFORMATION:
Account ____ Y ____ N
P.O. # _____
Bill to: _____

SAMPLE RECEIPT:
TR48
Total Containers 16
Temperature 2.0
☑ Wet Ice ☐ Blue Ice

3. RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time

4. RECEIVED BY:
Signature Martha Howard
Printed Name TURNER LABORATORIES, INC.
Firm
Date/Time 1/31/25 13:41

***LEGEND**
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	☐ Yes	☐ No	Custody Seals	☐	Preservation Confirmation	☐
ADEQ Forms:	☐ Yes	☐ No	Container Intact	☐	Appropriate Head Space	☐
Mail ADEQ Forms:	☐ Yes	☐ No	COC/Labels Agree	☐	Received Within Hold Time	☐

TURNER LABORATORIES INC.
2445 N. Coyote Drive, Suite 104
Tucson, Arizona 85745
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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 25A0728 DATE 1/31/2025 PAGE 2 OF 2

PROJECT NAME CQB Quarterly # CC18.1080.00

CONTACT NAME : Chris Sherman

COMPANY NAME : Freeport-McMoRan Copper Queen Branch

ADDRESS : 36 Highway 92

CITY Bisbee STATE AZ ZIP CODE 85603

PHONE 520-508-7063 FAX 520-432-1395

SAMPLER'S SIGNATURE Susan Seow

NUMBER OF CONTAINERS

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	SO4 (300.0)
AWC-04	1-29-25	1237		GW	✓
BMO-2010-3B	1-30-25	1241		GW	✓
BMO-2010-3M	1-30-25	1602		GW	✓
PANAGAKOS	1-30-25	1739		GW	✓
TM-10-USBB	1-31-25	0932		GW	✓

1. RELINQUISHED BY:
Signature: Susan Seow
Printed Name: Clear Creek Associates
Firm
Date/Time: 1-31-2025/1341

2. RECEIVED BY:
Signature
Printed Name
Firm
Date/Time

TURNAROUND REQUIREMENTS:
_____Standard (approx.10 days)*
____Next day ____2 Day ____5 Day*
____ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
____ I. Routine Report
____ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
____ III. Date Validation Report (Includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ____ Y ____ N
P.O. #
Bill to:

SAMPLE RECEIPT:
Total Containers 16
Temperature 2.0
☑ Wet Ice ☐ Blue Ice

3. RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time

4. RECEIVED BY:
Signature: Martha Howard
Printed Name
Firm: TURNER LABORATORIES, INC.
Date/Time: 1/31/25 13:41

***LEGEND**
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	☐ Yes	☐ No	Custody Seals	☐	Preservation Confirmation	☑
ADEQ Forms:	☐ Yes	☐ No	Container Intact	☑	Appropriate Head Space	☐
Mail ADEQ Forms:	☐ Yes	☐ No	COC/Labels Agree	☑	Received Within Hold Time	☑

March 28, 2025

Chris Sherman
Freeport McMoran - Copper Queen Branch
36 W Highway 92
Bisbee, AZ 85603-1047

TEL (520) 432-6206
FAX

Work Order No.: 25B0213
Order Name: CQB

RE: CQB

Dear Chris Sherman,

Turner Laboratories, Inc. received 25 sample(s) on 02/07/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066



Elizabeth Kasik
Laboratory Director

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0213
Date Received: 02/07/2025

Order: CQB

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25B0213-01	BMO-2015-2B	Ground Water	02/03/2025 0943
25B0213-02	BMO-2015-2BL	Ground Water	02/03/2025 1030
25B0213-03	BMO-2015-1BL	Ground Water	02/03/2025 1140
25B0213-04	BMO-2015-1B	Ground Water	02/03/2025 1129
25B0213-05	BMO-2014-4B	Ground Water	02/03/2025 1331
25B0213-06	BMO-2014-4BL	Ground Water	02/03/2025 1425
25B0213-07	DUP20250204	Ground Water	02/04/2025 0700
25B0213-08	RUIZ-146	Ground Water	02/04/2025 0945
25B0213-09	FB20250204	Ground Water	02/04/2025 0947
25B0213-10	EQB20250204	Ground Water	02/04/2025 0958
25B0213-11	SCHWARTZ	Ground Water	02/04/2025 1151
25B0213-12	KEEFER	Ground Water	02/05/2025 1311
25B0213-13	COOPER-988	Ground Water	02/05/2025 1632
25B0213-14	DUP20250206	Ground Water	02/06/2025 0700
25B0213-15	BMO-2014-2BU	Ground Water	02/06/2025 0810
25B0213-16	BMO-2014-2BL	Ground Water	02/06/2025 0914
25B0213-17	BMO-2014-1BL	Ground Water	02/06/2025 1028
25B0213-18	FB20150206	Ground Water	02/06/2025 1015
25B0213-19	EQB20150206	Ground Water	02/06/2025 1020
25B0213-20	BMO-2014-3BU	Ground Water	02/06/2025 1154
25B0213-21	BMO-2014-3BL	Ground Water	02/06/2025 1310
25B0213-22	DODSON	Ground Water	02/06/2025 1446
25B0213-23	NWC-06	Ground Water	02/07/2025 0743
25B0213-24	NWC-02	Ground Water	02/07/2025 0849
25B0213-25	NWC-04	Ground Water	02/07/2025 1002

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0213
Date Received: 02/07/2025

Case Narrative

This report has been revised to correct sample descriptions.

E4	Concentration estimated. Analyte was detected below laboratory Minimum Reporting Limit (MRL) but above MDL.
E8	Analyte reported to MDL per project specification. Target analyte was not detected in the sample.
M2	Matrix spike recovery was low; the associated LCS/LCSD was acceptable.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND	Not Detected at or above the PQL
PQL	Practical Quantitation Limit
DF	Dilution Factor

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0213
Lab Sample ID: 25B0213-01

Client Sample ID: BMO-2015-2B
Collection Date/Time: 02/03/2025 0943
Matrix: Ground Water
Order Name: CQB

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	281	28.1	50.0		mg/L	10	02/11/2025 1000	02/22/2025 0438	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0213
Lab Sample ID: 25B0213-02

Client Sample ID: BMO-2015-2BL
Collection Date/Time: 02/03/2025 1030
Matrix: Ground Water
Order Name: CQB

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	320	28.1	50.0		mg/L	10	02/11/2025 1000	02/22/2025 0502	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0213
Lab Sample ID: 25B0213-03

Client Sample ID: BMO-2015-1BL
Collection Date/Time: 02/03/2025 1140
Matrix: Ground Water
Order Name: CQB

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	271	28.1	50.0		mg/L	10	02/11/2025 1000	02/22/2025 0525	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0213
Lab Sample ID: 25B0213-04

Client Sample ID: BMO-2015-1B
Collection Date/Time: 02/03/2025 1129
Matrix: Ground Water
Order Name: CQB

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	186	28.1	50.0		mg/L	10	02/11/2025 1000	02/22/2025 0549	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0213
Lab Sample ID: 25B0213-05

Client Sample ID: BMO-2014-4B
Collection Date/Time: 02/03/2025 1331
Matrix: Ground Water
Order Name: CQB

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	72.1	2.81	5.00		mg/L	1	02/11/2025 1000	02/11/2025 1407	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0213
Lab Sample ID: 25B0213-06

Client Sample ID: BMO-2014-4BL
Collection Date/Time: 02/03/2025 1425
Matrix: Ground Water
Order Name: CQB

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	120	28.1	50.0		mg/L	10	02/11/2025 1000	02/22/2025 0613	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0213
Lab Sample ID: 25B0213-07

Client Sample ID: DUP20250204
Collection Date/Time: 02/04/2025 0700
Matrix: Ground Water
Order Name: CQB

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	70.0	2.81	5.00		mg/L	1	02/11/2025 1000	02/11/2025 1454	ES

Client:	Freeport McMoran - Copper Queen Branch	**Client Sample ID:**	RUIZ-146
Project:	CQB	**Collection Date/Time:**	02/04/2025 0945
Work Order:	25B0213	**Matrix:**	Ground Water
Lab Sample ID:	25B0213-08	**Order Name:**	CQB

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	70.6	2.81	5.00		mg/L	1	02/11/2025 1000	02/11/2025 1518	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0213
Lab Sample ID: 25B0213-09

Client Sample ID: FB20250204
Collection Date/Time: 02/04/2025 0947
Matrix: Ground Water
Order Name: CQB

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	3.33	2.81	5.00	E4	mg/L	1	02/11/2025 1000	02/11/2025 1542	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0213
Lab Sample ID: 25B0213-10

Client Sample ID: EQB20250204
Collection Date/Time: 02/04/2025 0958
Matrix: Ground Water
Order Name: CQB

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	3.47	2.81	5.00	E4	mg/L	1	02/11/2025 1000	02/11/2025 1606	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0213
Lab Sample ID: 25B0213-11

Client Sample ID: SCHWARTZ
Collection Date/Time: 02/04/2025 1151
Matrix: Ground Water
Order Name: CQB

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	185	28.1	50.0		mg/L	10	02/11/2025 1709	02/22/2025 0637	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0213
Lab Sample ID: 25B0213-12

Client Sample ID: KEEFER
Collection Date/Time: 02/05/2025 1311
Matrix: Ground Water
Order Name: CQB

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	8.44	2.81	5.00		mg/L	1	02/11/2025 1709	02/11/2025 1829	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0213
Lab Sample ID: 25B0213-13

Client Sample ID: COOPER-988
Collection Date/Time: 02/05/2025 1632
Matrix: Ground Water
Order Name: CQB

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	17.6	2.81	5.00		mg/L	1	02/11/2025 1709	02/11/2025 1853	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0213
Lab Sample ID: 25B0213-14

Client Sample ID: DUP20250206
Collection Date/Time: 02/06/2025 0700
Matrix: Ground Water
Order Name: CQB

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	8.53	2.81	5.00		mg/L	1	02/11/2025 1709	02/11/2025 1917	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0213
Lab Sample ID: 25B0213-15

Client Sample ID: BMO-2014-2BU
Collection Date/Time: 02/06/2025 0810
Matrix: Ground Water
Order Name: CQB

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	69.5	2.81	5.00		mg/L	1	02/11/2025 1709	02/11/2025 1940	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0213
Lab Sample ID: 25B0213-16

Client Sample ID: BMO-2014-2BL
Collection Date/Time: 02/06/2025 0914
Matrix: Ground Water
Order Name: CQB

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	377	28.1	50.0		mg/L	10	02/11/2025 1709	02/22/2025 0701	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0213
Lab Sample ID: 25B0213-17

Client Sample ID: BMO-2014-1BL
Collection Date/Time: 02/06/2025 1028
Matrix: Ground Water
Order Name: CQB

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	169	28.1	50.0		mg/L	10	02/11/2025 1709	02/22/2025 0725	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0213
Lab Sample ID: 25B0213-18

Client Sample ID: FB20150206
Collection Date/Time: 02/06/2025 1015
Matrix: Ground Water
Order Name: CQB

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	3.38	2.81	5.00	E4	mg/L	1	02/11/2025 1709	02/11/2025 2052	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0213
Lab Sample ID: 25B0213-19

Client Sample ID: EQB20150206
Collection Date/Time: 02/06/2025 1020
Matrix: Ground Water
Order Name: CQB

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	ND	2.81	5.00	E8	mg/L	1	02/11/2025 1709	02/11/2025 2116	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0213
Lab Sample ID: 25B0213-20

Client Sample ID: BMO-2014-3BU
Collection Date/Time: 02/06/2025 1154
Matrix: Ground Water
Order Name: CQB

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	8.60	2.81	5.00		mg/L	1	02/11/2025 1709	02/11/2025 2140	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0213
Lab Sample ID: 25B0213-21

Client Sample ID: BMO-2014-3BL
Collection Date/Time: 02/06/2025 1310
Matrix: Ground Water
Order Name: CQB

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	9.01	2.81	5.00		mg/L	1	02/11/2025 1709	02/11/2025 2339	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0213
Lab Sample ID: 25B0213-22

Client Sample ID: DODSON
Collection Date/Time: 02/06/2025 1446
Matrix: Ground Water
Order Name: CQB

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	48.7	2.81	5.00		mg/L	1	02/11/2025 1709	02/12/2025 0003	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0213
Lab Sample ID: 25B0213-23

Client Sample ID: NWC-06
Collection Date/Time: 02/07/2025 0743
Matrix: Ground Water
Order Name: CQB

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	9.59	2.81	5.00		mg/L	1	02/11/2025 1709	02/12/2025 0027	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0213
Lab Sample ID: 25B0213-24

Client Sample ID: NWC-02
Collection Date/Time: 02/07/2025 0849
Matrix: Ground Water
Order Name: CQB

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	9.13	2.81	5.00		mg/L	1	02/11/2025 1709	02/12/2025 0051	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0213
Lab Sample ID: 25B0213-25

Client Sample ID: NWC-04
Collection Date/Time: 02/07/2025 1002
Matrix: Ground Water
Order Name: CQB

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	167	28.1	50.0		mg/L	10	02/11/2025 1709	02/22/2025 0749	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0213
Date Received: 02/07/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2502099 - E300.0 (2.1)										
Blank (2502099-BLK1)				Prepared & Analyzed: 02/11/2025						
Sulfate	ND	5.00	mg/L							
LCS (2502099-BS1)				Prepared & Analyzed: 02/11/2025						
Sulfate	13	5.00	mg/L	12.50		105	90-110			
LCS Dup (2502099-BSD1)				Prepared & Analyzed: 02/11/2025						
Sulfate	13	5.00	mg/L	12.50		106	90-110	0.3	10	
Matrix Spike (2502099-MS1)		**Source: 25B0213-09**		Prepared: 02/11/2025 Analyzed: 02/24/2025						
Sulfate	13	5.00	mg/L	12.50	3.3	79	80-120			M2
Matrix Spike (2502099-MS2)		**Source: 25B0213-10**		Prepared: 02/11/2025 Analyzed: 02/24/2025						
Sulfate	13	5.00	mg/L	12.50	3.5	79	80-120			M2
Matrix Spike (2502099-MS3)		**Source: 25B0213-18**		Prepared: 02/11/2025 Analyzed: 02/24/2025						
Sulfate	13	5.00	mg/L	12.50	3.4	79	80-120			M2
Matrix Spike Dup (2502099-MSD1)		**Source: 25B0213-09**		Prepared: 02/11/2025 Analyzed: 02/24/2025						
Sulfate	13	5.00	mg/L	12.50	3.3	78	80-120	0.3	10	M2
Matrix Spike Dup (2502099-MSD2)		**Source: 25B0213-10**		Prepared: 02/11/2025 Analyzed: 02/24/2025						
Sulfate	13	5.00	mg/L	12.50	3.5	79	80-120	0.1	10	M2
Matrix Spike Dup (2502099-MSD3)		**Source: 25B0213-18**		Prepared: 02/11/2025 Analyzed: 02/24/2025						
Sulfate	13	5.00	mg/L	12.50	3.4	79	80-120	0.1	10	M2

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2445 N. Coyote Drive, Suite 104
Tucson, Arizona 85745
(520) 882-5880
Fax: (520) 882-9788
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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 25B0213 DATE 2/7/2025 PAGE 1 OF 3

PROJECT NAME CQB Quarterly # CC18.1080.00
CONTACT NAME : Chris Sherman
COMPANY NAME : Freeport-McMoRan Copper Queen Branch
ADDRESS : 36 Highway 92
CITY Bisbee STATE AZ ZIP CODE 85603
PHONE 520-508-7063 FAX 520-432-1395
SAMPLER'S SIGNATURE Jason Saw

NUMBER OF CONTAINERS

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	SO4 (300.0)
BMO-2015-2B	2-3-25	0943		GW	✓
BMO-2015-2BL	2-3-25	1030		GW	✓
BMO-2015-1BL	2-3-25	1146		GW	✓
BMO-2015-1B	2-3-25	1229		GW	✓
BMO-2014-4B	2-3-25	1331		GW	✓
BMO-2014-4BL	2-3-25	1425		GW	✓
DUP20250204	2-4-25	0700		GW	✓
RUIZ-146	2-4-25	0945		GW	✓
FB2025 0204	2-4-25	0947		GW	✓
EQB2025 0204	2-4-25	0958		GW	✓
SCHWARTZ	2-4-25	1151		GW	✓

1. RELINQUISHED BY:
Signature Jason Saw
Printed Name Jason Saw
Firm Clear Creek Associates
Date/Time 2-7-2025/1228

2. RECEIVED BY:
Signature
Printed Name
Firm
Date/Time 2/7/25

TURNAROUND REQUIREMENTS:
____Standard (approx.10 days)*
____Next day ____2 Day ____5 Day*
____ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
____ I. Routine Report
____ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
____ III. Date Validation Report (Includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ____ Y ____ N
P.O. #
Bill to:

SAMPLE RECEIPT:
Total Containers 25
Temperature 3.4°C
☐ Wet Ice ☒ Blue Ice

3. RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time 2/7/25

4. RECEIVED BY:
Signature
Printed Name TURNER LABORATORIES, INC.
Firm
Date/Time 2/7/25 1228

*LEGEND
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS: IR 48

Compliance Analysis:	☐ Yes	☐ No	Custody Seals	☐	Preservation Confirmation	☐
ADEQ Forms:	☐ Yes	☐ No	Container Intact	☐	Appropriate Head Space	☐
Mail ADEQ Forms:	☐ Yes	☐ No	COC/Labels Agree	☐	Received Within Hold Time	☐

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2445 N. Coyote Drive, Suite 104
Tucson, Arizona 85745
(520) 882-5880
Fax: (520) 882-9788
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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 25B0213 DATE 2/7/2025 PAGE 2 OF 3

PROJECT NAME CQB Quarterly # CC18.1080.00

CONTACT NAME : Chris Sherman

COMPANY NAME : Freeport-McMoRan Copper Queen Branch

ADDRESS : 36 Highway 92

CITY Bisbee STATE AZ ZIP CODE 85603

PHONE 520-508-7063 FAX 520-432-1395

SAMPLER'S SIGNATURE Jason Sean

NUMBER OF CONTAINERS

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	SO4 (300.0)
KEEFER	2-5-2025	1311		GW	✓
COOPER-988	2-5-25	1632		GW	✓
DUP20250206	2-6-25	0700		GW	✓
BMO-2014-2BU	2-6-25	0810		GW	✓
BMO-2014-2BL	2-6-25	0914		GW	✓
BMO-2014-1BL	2-6-25	1028		GW	✓
FB20250206	2-6-25	1015		GW	✓
EQB20250206	2-6-25	1020		GW	✓
BMO-2014-3BU	2-6-25	1154		GW	✓
BMO-2014-3BL	2-6-25	1310		GW	✓
DOP59N	2-6-25	1446		GW	✓

1. RELINQUISHED BY:
Signature: Jason Sean
Printed Name: Jason Sean
Firm: Clear Creek Associates
Date/Time: 2-7-2025/1228

2. RECEIVED BY:
Signature:
Printed Name:
Firm:
Date/Time: 2/7/25

3. RELINQUISHED BY:
Signature:
Printed Name:
Firm:
Date/Time: 2/7/25

4. RECEIVED BY:
Signature:
Printed Name: E Krasik
Firm: TURNER LABORATORIES, INC.
Date/Time: 2/7/25 1228

TURNAROUND REQUIREMENTS:
____Standard (approx.10 days)*
____Next day ____2 Day ____5 Day*
____Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
____ I. Routine Report
____ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
____ III. Date Validation Report (Includes All Raw Data)
Add 10% to Invoice

INVOICE INFORMATION:
Account ____ Y ____ N
P.O. #
Bill to:

SAMPLE RECEIPT:
Total Containers 25
Temperature 3.4°C
☒ Wet Ice ☐ Blue Ice

*LEGEND
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS: DR48

Compliance Analysis:	☐ Yes	☐ No	Custody Seals	☐	Preservation Confirmation	☐
ADEQ Forms:	☐ Yes	☐ No	Container Intact	☐	Appropriate Head Space	☐
Mail ADEQ Forms:	☐ Yes	☐ No	COC/Labels Agree	☐	Received Within Hold Time	☐

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 25B0213 DATE 2/7/2025 PAGE 3 OF 3

PROJECT NAME: CQB Quarterly # CC18.1080.00

CONTACT NAME: Chris Sherman

COMPANY NAME: Freeport-McMoRan Copper Queen Branch

ADDRESS: 36 Highway 92

CITY: Bisbee STATE: AZ ZIP CODE: 85603

PHONE: 520-508-7063 FAX: 520-432-1395

SAMPLER'S SIGNATURE: Susan Seow

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS: SO4 (300.0)
NWC-06	2-7-25	0743		GW	✓
NWC-02	2-7-25	0849		GW	✓
NWC-04	2-7-25	1002		GW	✓

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

1. RELINQUISHED BY:
Signature: Susan Seow
Printed Name: Clear Creek Associates
Firm:
Date/Time: 2-7-2025/1220

2. RECEIVED BY:
Signature:
Printed Name:
Firm:
Date/Time: 2/7/25

3. RELINQUISHED BY:
Signature:
Printed Name:
Firm:
Date/Time: 2/7/25

4. RECEIVED BY:
Signature:
Printed Name: E Kusik
Firm: TURNER LABORATORIES, INC.
Date/Time: 2/7/25 1225

TURNAROUND REQUIREMENTS:
____Standard (approx.10 days)*
____Next day ____2 Day ____5 Day*
____ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
____ I. Routine Report
____ II. Report (Includes DUP,MS,MSD, as required, may be charged as samples)
____ III. Date Validation Report (Includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ____ Y ____ N
P.O. #
Bill to:

SAMPLE RECEIPT:
Total Containers: 25
Temperature: 3.4°
☒ Wet Ice ☐ Blue Ice

***LEGEND**
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS: TR48

Compliance Analysis:	☐ Yes ☐ No	Custody Seals	☐	Preservation Confirmation	☐
ADEQ Forms:	☐ Yes ☐ No	Container Intact	☐	Appropriate Head Space	☐
Mail ADEQ Forms:	☐ Yes ☐ No	COC/Labels Agree	☒	Received Within Hold Time	☐

March 10, 2025

Chris Sherman
Freeport McMoran - Copper Queen Branch
36 W Highway 92
Bisbee, AZ 85603-1047

TEL (520) 432-6206
FAX

Work Order No.: 25B0349
Order Name: CQB Quarterly
CC18.1080.00

RE: CQB

Dear Chris Sherman,

Turner Laboratories, Inc. received 2 sample(s) on 02/12/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066



Elizabeth Kasik
Laboratory Director

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0349
Date Received: 02/12/2025

Order: CQB Quarterly CC18.1080.00

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25B0349-01	COB-MW-2	Ground Water	02/12/2025 0956
25B0349-02	COB-WL	Ground Water	02/12/2025 1129

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0349
Date Received: 02/12/2025

Case Narrative

M2 Matrix spike recovery was low; the associated LCS/LCSD was acceptable.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND Not Detected at or above the PQL

PQL Practical Quantitation Limit

DF Dilution Factor

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0349
Lab Sample ID: 25B0349-01

Client Sample ID: COB-MW-2
Collection Date/Time: 02/12/2025 0956
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	26.0	2.81	5.00		mg/L	1	02/17/2025 1000	02/17/2025 2314	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0349
Lab Sample ID: 25B0349-02

Client Sample ID: COB-WL
Collection Date/Time: 02/12/2025 1129
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-E300.0 (2.1)									
Sulfate	67.1	2.81	5.00		mg/L	1	02/17/2025 1000	02/17/2025 2338	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25B0349
Date Received: 02/12/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2502150 - E300.0 (2.1)										
Blank (2502150-BLK1)				Prepared & Analyzed: 02/17/2025						
Sulfate	ND	5.00	mg/L							
LCS (2502150-BS1)				Prepared & Analyzed: 02/17/2025						
Sulfate	13	5.00	mg/L	12.50		108	90-110			
LCS Dup (2502150-BSD1)				Prepared & Analyzed: 02/17/2025						
Sulfate	13	5.00	mg/L	12.50		108	90-110	0.08	10	
Matrix Spike (2502150-MS1)		**Source: 25B0460-01**		Prepared: 02/17/2025 Analyzed: 03/07/2025						
Sulfate	290	5.00	mg/L	12.50	280	65	80-120			M2
Matrix Spike (2502150-MS2)		**Source: 25B0315-03**		Prepared: 02/17/2025 Analyzed: 03/07/2025						
Sulfate	13	5.00	mg/L	12.50	ND	106	80-120			
Matrix Spike Dup (2502150-MSD1)		**Source: 25B0460-01**		Prepared: 02/17/2025 Analyzed: 03/07/2025						
Sulfate	290	5.00	mg/L	12.50	280	67	80-120	0.1	10	M2
Matrix Spike Dup (2502150-MSD2)		**Source: 25B0315-03**		Prepared: 02/17/2025 Analyzed: 03/07/2025						
Sulfate	13	5.00	mg/L	12.50	ND	106	80-120	0.3	10	

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 25B0349 DATE 2/12 PAGE 1 OF 1

PROJECT NAME: COB Quarterly # CC18.1080.00

CONTACT NAME: Chris Sherman

COMPANY NAME: Freeport-McMoRan Copper Queen Branch

ADDRESS: 36 Highway 92

CITY: Bisbee STATE: AZ ZIP CODE: 85603

PHONE: 520-508-7063 FAX: 520-432-1395

SAMPLER'S SIGNATURE: Jason Sean

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS: SO4 (300.0)
COB-MW-2	2-12-25	0956		GW	✓
COB-VVL	2-12-25	1129		GW	✓

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

1. RELINQUISHED BY:
Signature: Jason Sean
Printed Name: Jason Sean
Firm: Clear Creek Associates
Date/Time: 2-12-2025/1411

2. RECEIVED BY:
Signature
Printed Name
Firm
Date/Time

TURNAROUND REQUIREMENTS:
_____ Standard (approx.10 days)*
____ Next day ____ 2 Day ____ 5 Day*
____ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
____ I. Routine Report
____ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
____ III. Date Validation Report (Includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ____ Y ____ N
P.O. # _____
Bill to: _____

SAMPLE RECEIPT: IR-4 6
Total Containers: 2
Temperature: 1.1
☒ Wet Ice ☐ Blue Ice

3. RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time

4. RECEIVED BY:
Signature
Printed Name: Kathryn Robertson
Firm: TURNER LABORATORIES, INC.
Date/Time: 2/12 1411

***LEGEND**
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	☐ Yes	☐ No	Custody Seals	☐	Preservation Confirmation	☒
ADEQ Forms:	☐ Yes	☐ No	Container Intact	☒	Appropriate Head Space	☒
Mail ADEQ Forms:	☐ Yes	☐ No	COC/Labels Agree	☒	Received Within Hold Time	☒

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
www.svl.net

Freeport McMoRan - Bisbee	**Project Name: Bisbee Routine**
36 West Hwy 92	Work Order: **X5A0363**
Bisbee, AZ 85603	Reported: 07-Feb-25 15:58

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
BMO-2008-11G	X5A0363-01	Ground Water	27-Jan-25 08:30	CLS	29-Jan-2025	Q21
BMO-2008-1G	X5A0363-02	Ground Water	27-Jan-25 12:30	CLS	29-Jan-2025	Q21
BMO-2012-1M	X5A0363-03	Ground Water	28-Jan-25 08:40	CLS	29-Jan-2025	Q21

Non-Detects are reported at the MDL.
Sample preparation is defined by the client as per their Data Quality Objectives.
This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.
Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.
The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.
This report shall not be reproduced except in full, without the written approval of SVL Analytical, Inc.

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Kellogg, ID 83837-0929
(208) 784-1258
www.svl.net

Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5A0363**
Reported: 07-Feb-25 15:58

Client Sample ID: **BMO-2008-11G**
SVL Sample ID: **X5A0363-01 (Ground Water)**

Sampled: 27-Jan-25 08:30
Received: 29-Jan-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	12.6	mg/L	0.30	0.18		X506029	RS	02/03/25 13:21	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Project Manager

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
www.svl.net

Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5A0363**
Reported: 07-Feb-25 15:58

Client Sample ID: **BMO-2008-1G**
SVL Sample ID: **X5A0363-02 (Ground Water)**

Sampled: 27-Jan-25 12:30
Received: 29-Jan-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	97.4	mg/L	3.00	1.80	10	X506029	RS	02/03/25 14:24	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Dave Tryon
Project Manager

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
www.svl.net

Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5A0363**
Reported: 07-Feb-25 15:58

Client Sample ID: **BMO-2012-1M**
SVL Sample ID: **X5A0363-03 (Ground Water)**

Sampled: 28-Jan-25 08:40
Received: 29-Jan-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	216	mg/L	3.00	1.80	10	X506029	RS	02/03/25 14:40	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Project Manager

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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5A0363**
Reported: 07-Feb-25 15:58

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Anions by Ion Chromatography								
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X506029	03-Feb-25	

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Anions by Ion Chromatography									
EPA 300.0	Sulfate as SO4	mg/L	9.82	10.0	98.2	90 - 110	X506029	03-Feb-25	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Sulfate as SO4	mg/L	22.8	12.6	10.0	103	90 - 110	X506029 - X5A0363-01	03-Feb-25	

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Anions by Ion Chromatography										
EPA 300.0	Sulfate as SO4	mg/L	23.0	22.8	10.0	0.6	20	104	X506029 - X5A0363-01	

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Freeport McMoRan - Bisbee	**Project Name: Bisbee Routine**
36 West Hwy 92	Work Order: **X5A0363**
Bisbee, AZ 85603	Reported: 07-Feb-25 15:58

Notes and Definitions

Q21	Sample arrived frozen. Results should not be used for SDWA or CWA (NPDES) reporting.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Freeport McMoRan - Bisbee	**Project Name: Bisbee Routine**
36 West Hwy 92	Work Order: **X5B0260**
Bisbee, AZ 85603	Reported: 05-Mar-25 15:06

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
BM0-2008-6M	X5B0260-01	Ground Water	17-Feb-25 07:40	CLS	21-Feb-2025	
BM0-2008-6B	X5B0260-02	Ground Water	17-Feb-25 09:15	CLS	21-Feb-2025	
BM0-2008-5M	X5B0260-03	Ground Water	17-Feb-25 11:40	CLS	21-Feb-2025	
BM0-2008-5B	X5B0260-04	Ground Water	17-Feb-25 12:15	CLS	21-Feb-2025	
BM0-2008-3B	X5B0260-05	Ground Water	18-Feb-25 11:20	CLS	21-Feb-2025	
TM-7	X5B0260-06	Ground Water	18-Feb-25 06:58	CLS	21-Feb-2025	

Non-Detects are reported at the MDL.
Sample preparation is defined by the client as per their Data Quality Objectives.
This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.
Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.
The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.
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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5B0260**
Reported: 05-Mar-25 15:06

Client Sample ID: **BM0-2008-6M**
SVL Sample ID: **X5B0260-01 (Ground Water)**

Sampled: 17-Feb-25 07:40
Received: 21-Feb-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	193	mg/L	3.00	1.80	10	X509040	RS	02/25/25 15:22	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Dave Tryon
Project Manager

One Government Gulch - PO Box 929
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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5B0260**
Reported: 05-Mar-25 15:06

Client Sample ID: **BM0-2008-6B**
SVL Sample ID: **X5B0260-02 (Ground Water)**

Sampled: 17-Feb-25 09:15
Received: 21-Feb-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	5.05	mg/L	0.30	0.18		X509040	RS	02/25/25 15:41	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Dave Tryon
Project Manager

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5B0260**
Reported: 05-Mar-25 15:06

Client Sample ID: **BM0-2008-5M**
SVL Sample ID: **X5B0260-03 (Ground Water)**

Sampled: 17-Feb-25 11:40
Received: 21-Feb-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	187	mg/L	3.00	1.80	10	X509040	RS	02/25/25 16:54	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Dave Tryon
Project Manager

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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5B0260**
Reported: 05-Mar-25 15:06

Client Sample ID: **BM0-2008-5B**
SVL Sample ID: **X5B0260-04 (Ground Water)**

Sampled: 17-Feb-25 12:15
Received: 21-Feb-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	290	mg/L	3.00	1.80	10	X509040	RS	02/25/25 17:13	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Dave Tryon
Project Manager

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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5B0260**
Reported: 05-Mar-25 15:06

Client Sample ID: **BM0-2008-3B**
SVL Sample ID: **X5B0260-05 (Ground Water)**

Sampled: 18-Feb-25 11:20
Received: 21-Feb-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	165	mg/L	3.00	1.80	10	X509040	RS	02/25/25 17:31	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Dave Tryon
Project Manager

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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5B0260**
Reported: 05-Mar-25 15:06

Client Sample ID: **TM-7**
SVL Sample ID: **X5B0260-06 (Ground Water)**

Sampled: 18-Feb-25 06:58
Received: 21-Feb-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	94.7	mg/L	3.00	1.80	10	X509039	RS	02/26/25 14:08	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Project Manager

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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5B0260**
Reported: 05-Mar-25 15:06

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Anions by Ion Chromatography								
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X509039	26-Feb-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X509040	25-Feb-25	

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Anions by Ion Chromatography									
EPA 300.0	Sulfate as SO4	mg/L	10.3	10.0	103	90 - 110	X509040	25-Feb-25	
EPA 300.0	Sulfate as SO4	mg/L	10.1	10.0	101	90 - 110	X509039	26-Feb-25	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Sulfate as SO4	mg/L	15.7	5.05	10.0	107	90 - 110	X509040 - X5B0260-02	25-Feb-25	
EPA 300.0	Sulfate as SO4	mg/L	1780	1800	10.0	0.30R>S	90 - 110	X509040 - X5B0272-13	26-Feb-25	M4
EPA 300.0	Sulfate as SO4	mg/L	104	94.7	10.0	95.7	90 - 110	X509039 - X5B0260-06	26-Feb-25	
EPA 300.0	Sulfate as SO4	mg/L	2410	2460	10.0	0.30R>S	90 - 110	X509039 - X5B0261-09	26-Feb-25	M4

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Anions by Ion Chromatography										
EPA 300.0	Sulfate as SO4	mg/L	2360	2410	10.0	2.3	20	0.30R>S	X509039 - X5B0261-09	M4
EPA 300.0	Sulfate as SO4	mg/L	1770	1780	10.0	0.4	20	0.30R>S	X509040 - X5B0272-13	M4

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Freeport McMoRan - Bisbee	**Project Name: Bisbee Routine**
36 West Hwy 92	Work Order: **X5B0260**
Bisbee, AZ 85603	Reported: 05-Mar-25 15:06

Notes and Definitions

M4	The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

May 15, 2025

Chris Sherman
Freeport McMoran - Copper Queen Branch
36 W Highway 92
Bisbee, AZ 85603-1047

TEL (520) 432-6206
FAX

Work Order No.: 25D0530
Order Name: CQB Quarterly
CC18.1080.00

RE: CQB

Dear Chris Sherman,

Turner Laboratories, Inc. received 1 sample(s) on 04/17/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066



Elizabeth Kasik
Laboratory Director

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25D0530
Date Received: 04/17/2025

Order: CQB Quarterly CC18.1080.00

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25D0530-01	NWC-04	Ground Water	04/17/2025 0803

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25D0530
Date Received: 04/17/2025

Case Narrative

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND Not Detected at or above the PQL

PQL Practical Quantitation Limit

DF Dilution Factor

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25D0530
Lab Sample ID: 25D0530-01

Client Sample ID: NWC-04
Collection Date/Time: 04/17/2025 0803
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	150	28	50		mg/L	10	04/28/2025 1000	05/13/2025 2346	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25D0530
Date Received: 04/17/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2504321 - EPA 300.0 (2.1)										
Blank (2504321-BLK1)				Prepared & Analyzed: 04/28/2025						
Sulfate	ND	5.0	mg/L							
LCS (2504321-BS1)				Prepared & Analyzed: 04/28/2025						
Sulfate	13	5.0	mg/L	12.50		105	90-110			
LCS Dup (2504321-BSD1)				Prepared & Analyzed: 04/28/2025						
Sulfate	13	5.0	mg/L	12.50		106	90-110	0.1	10	
Matrix Spike (2504321-MS1)		**Source: 25D0713-01**		Prepared: 04/28/2025 Analyzed: 05/09/2025						
Sulfate	25	5.0	mg/L	12.50	14	85	80-120			
Matrix Spike (2504321-MS2)		**Source: 25D0715-01**		Prepared: 04/28/2025 Analyzed: 05/09/2025						
Sulfate	25	5.0	mg/L	12.50	15	86	80-120			
Matrix Spike Dup (2504321-MSD1)		**Source: 25D0713-01**		Prepared: 04/28/2025 Analyzed: 05/09/2025						
Sulfate	25	5.0	mg/L	12.50	14	86	80-120	0.3	10	
Matrix Spike Dup (2504321-MSD2)		**Source: 25D0715-01**		Prepared: 04/28/2025 Analyzed: 05/10/2025						
Sulfate	25	5.0	mg/L	12.50	15	85	80-120	0.2	10	

TURNER LABORATORIES INC.
2445 N. Coyote Drive, Suite 104
Tucson, Arizona 85745
(520) 882-5880
Fax: (520) 882-9788
www.turnerlabs.com

5/15/25

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # ~~25B0530~~ 25D0880 -AN DATE ~~4/17/25~~ 4/17/25 PAGE 1 OF 1

PROJECT NAME CQB Quarterly # CC18.1080.00
CONTACT NAME : Chris Sherman
COMPANY NAME : Freeport-McMoRan Copper Queen Branch
ADDRESS : 36 Highway 92
CITY Bisbee STATE AZ ZIP CODE 85603
PHONE 520-508-7063 FAX 520-432-1395
SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	SO4 (300.0)
NWC-04	4/17/25	0803		GW	1	✓

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

1. RELINQUISHED BY:
Signature
Jacob Hussey
Printed Name
Clear Creek Associates
Firm
4/17/25 10:24
Date/Time

2. RECEIVED BY:
Signature
Printed Name
Firm
Date/Time

TURNAROUND REQUIREMENTS:
____Standard (approx.10 days)*
____Next day ____2 Day ____5 Day*
____Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
____ I. Routine Report
____ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
____ III. Date Validation Report (includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ____ Y ____ N
P.O. #
Bill to:

SAMPLE RECEIPT:
IR-48
Total Containers 1
Temperature 3.8
☒ Wet Ice ☐ Blue Ice

3. RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time

4. RECEIVED BY:
Signature
Printed Name
TURNER LABORATORIES, INC.
Firm 4/17/25 10:24
Date/Time

*LEGEND
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	☐ Yes ☐ No	Custody Seals	☐	Preservation Confirmation	☑
ADEQ Forms:	☐ Yes ☐ No	Container Intact	☑	Appropriate Head Space	☑
Mail ADEQ Forms:	☐ Yes ☐ No	COC/Labels Agree	☑	Received Within Hold Time	☑

July 29, 2025

Chris Sherman
Freeport McMoran - Copper Queen Branch
36 W Highway 92
Bisbee, AZ 85603-1047

TEL (520) 432-6206
FAX

Work Order No.: 25G0370
Order Name: CQB Quarterly
#CC18.1080.00

RE: CQB

Dear Chris Sherman,

Turner Laboratories, Inc. received 17 sample(s) on 07/11/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066



Elizabeth Kasik
Laboratory Director

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0370
Date Received: 07/11/2025

Order: CQB Quarterly #CC18.1080.00

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25G0370-01	GARNER 635	Ground Water	07/07/2025 1401
25G0370-02	DUP250707	Ground Water	07/07/2025 0700
25G0370-03	EQB250707	Ground Water	07/07/2025 1222
25G0370-04	FB250707	Ground Water	07/07/2025 1203
25G0370-05	ANDERSON 438	Ground Water	07/07/2025 1732
25G0370-06	MCCONNELL	Ground Water	07/08/2025 1226
25G0370-07	KEEFER	Ground Water	07/08/2025 1334
25G0370-08	WEED	Ground Water	07/08/2025 1420
25G0370-09	BANKS 986	Ground Water	07/09/2025 1034
25G0370-10	ROGERS 596	Ground Water	07/09/2025 1257
25G0370-11	RAMIREZ	Ground Water	07/09/2025 1410
25G0370-12	OLMOS	Ground Water	07/10/2025 1046
25G0370-13	MOORE	Ground Water	07/10/2025 1151
25G0370-14	ECHAVE	Ground Water	07/10/2025 1346
25G0370-15	BIMA	Ground Water	07/10/2025 1338
25G0370-16	LAIR	Ground Water	07/10/2025 1642
25G0370-17	COOPER 988	Ground Water	07/11/2025 1205

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0370
Date Received: 07/11/2025

Case Narrative

E4 Concentration estimated. Analyte was detected below laboratory Minimum Reporting Limit (MRL) but above MDL.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND Not Detected at or above the PQL

PQL Practical Quantitation Limit

DF Dilution Factor

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0370
Lab Sample ID: 25G0370-01

Client Sample ID: GARNER 635
Collection Date/Time: 07/07/2025 1401
Matrix: Ground Water
Order Name: CQB Quarterly #CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	36.5	2.81	5.00		mg/L	1	07/17/2025 1000	07/17/2025 1308	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0370
Lab Sample ID: 25G0370-02

Client Sample ID: DUP250707
Collection Date/Time: 07/07/2025 0700
Matrix: Ground Water
Order Name: CQB Quarterly #CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	36.5	2.81	5.00		mg/L	1	07/17/2025 1000	07/17/2025 1328	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0370
Lab Sample ID: 25G0370-03

Client Sample ID: EQB250707
Collection Date/Time: 07/07/2025 1222
Matrix: Ground Water
Order Name: CQB Quarterly #CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	2.85	2.81	5.00	E4	mg/L	1	07/17/2025 1000	07/17/2025 1347	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0370
Lab Sample ID: 25G0370-04

Client Sample ID: FB250707
Collection Date/Time: 07/07/2025 1203
Matrix: Ground Water
Order Name: CQB Quarterly #CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	2.83	2.81	5.00	E4	mg/L	1	07/17/2025 1000	07/17/2025 1406	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0370
Lab Sample ID: 25G0370-05

Client Sample ID: ANDERSON 438
Collection Date/Time: 07/07/2025 1732
Matrix: Ground Water
Order Name: CQB Quarterly #CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	22.3	2.81	5.00		mg/L	1	07/17/2025 1000	07/17/2025 1426	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0370
Lab Sample ID: 25G0370-06

Client Sample ID: MCCONNELL
Collection Date/Time: 07/08/2025 1226
Matrix: Ground Water
Order Name: CQB Quarterly #CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	29.1	2.81	5.00		mg/L	1	07/17/2025 1000	07/17/2025 1445	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0370
Lab Sample ID: 25G0370-07

Client Sample ID: KEEFER
Collection Date/Time: 07/08/2025 1334
Matrix: Ground Water
Order Name: CQB Quarterly #CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	8.12	2.81	5.00		mg/L	1	07/17/2025 1000	07/17/2025 1505	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0370
Lab Sample ID: 25G0370-08

Client Sample ID: WEED
Collection Date/Time: 07/08/2025 1420
Matrix: Ground Water
Order Name: CQB Quarterly #CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	13.4	2.81	5.00		mg/L	1	07/17/2025 1000	07/17/2025 1524	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0370
Lab Sample ID: 25G0370-09

Client Sample ID: BANKS 986
Collection Date/Time: 07/09/2025 1034
Matrix: Ground Water
Order Name: CQB Quarterly #CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	52.3	2.81	5.00		mg/L	1	07/17/2025 1611	07/17/2025 1701	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0370
Lab Sample ID: 25G0370-10

Client Sample ID: ROGERS 596
Collection Date/Time: 07/09/2025 1257
Matrix: Ground Water
Order Name: CQB Quarterly #CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	535	28.1	50.0		mg/L	10	07/17/2025 1611	07/24/2025 2237	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0370
Lab Sample ID: 25G0370-11

Client Sample ID: RAMIREZ
Collection Date/Time: 07/09/2025 1410
Matrix: Ground Water
Order Name: CQB Quarterly #CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	8.85	2.81	5.00		mg/L	1	07/17/2025 1611	07/17/2025 1739	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0370
Lab Sample ID: 25G0370-12

Client Sample ID: OLMOS
Collection Date/Time: 07/10/2025 1046
Matrix: Ground Water
Order Name: CQB Quarterly #CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	8.97	2.81	5.00		mg/L	1	07/17/2025 1611	07/17/2025 1758	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0370
Lab Sample ID: 25G0370-13

Client Sample ID: MOORE
Collection Date/Time: 07/10/2025 1151
Matrix: Ground Water
Order Name: CQB Quarterly #CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	8.44	2.81	5.00		mg/L	1	07/17/2025 1611	07/17/2025 1818	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0370
Lab Sample ID: 25G0370-14

Client Sample ID: ECHAVE
Collection Date/Time: 07/10/2025 1346
Matrix: Ground Water
Order Name: CQB Quarterly #CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	17.2	2.81	5.00		mg/L	1	07/17/2025 1611	07/17/2025 1837	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0370
Lab Sample ID: 25G0370-15

Client Sample ID: BIMA
Collection Date/Time: 07/10/2025 1338
Matrix: Ground Water
Order Name: CQB Quarterly #CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	256	28.1	50.0		mg/L	10	07/17/2025 1611	07/24/2025 2256	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0370
Lab Sample ID: 25G0370-16

Client Sample ID: LAIR
Collection Date/Time: 07/10/2025 1642
Matrix: Ground Water
Order Name: CQB Quarterly #CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	12.1	2.81	5.00		mg/L	1	07/17/2025 1611	07/17/2025 1916	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0370
Lab Sample ID: 25G0370-17

Client Sample ID: COOPER 988
Collection Date/Time: 07/11/2025 1205
Matrix: Ground Water
Order Name: CQB Quarterly #CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	17.5	2.81	5.00		mg/L	1	07/17/2025 1611	07/17/2025 1935	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0370
Date Received: 07/11/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507171 - EPA 300.0 (2.1)										
Blank (2507171-BLK1)				Prepared & Analyzed: 07/17/2025						
Sulfate	ND	5.00	mg/L							
LCS (2507171-BS1)				Prepared & Analyzed: 07/17/2025						
Sulfate	13	5.00	mg/L	12.50		104	90-110			
LCS Dup (2507171-BSD1)				Prepared & Analyzed: 07/17/2025						
Sulfate	13	5.00	mg/L	12.50		104	90-110	0.2	10	
Matrix Spike (2507171-MS1)		**Source: 25G0370-03**		Prepared: 07/17/2025 Analyzed: 07/22/2025						
Sulfate	13	5.00	mg/L	12.50	2.8	81	80-120			
Matrix Spike (2507171-MS2)		**Source: 25G0370-04**		Prepared: 07/17/2025 Analyzed: 07/22/2025						
Sulfate	13	5.00	mg/L	12.50	2.8	82	80-120			
Matrix Spike (2507171-MS3)		**Source: 25G0370-05**		Prepared: 07/17/2025 Analyzed: 07/22/2025						
Sulfate	33	5.00	mg/L	12.50	22	83	80-120			
Matrix Spike Dup (2507171-MSD1)		**Source: 25G0370-03**		Prepared: 07/17/2025 Analyzed: 07/22/2025						
Sulfate	13	5.00	mg/L	12.50	2.8	82	80-120	0.3	10	
Matrix Spike Dup (2507171-MSD2)		**Source: 25G0370-04**		Prepared: 07/17/2025 Analyzed: 07/22/2025						
Sulfate	13	5.00	mg/L	12.50	2.8	82	80-120	0.3	10	
Matrix Spike Dup (2507171-MSD3)		**Source: 25G0370-05**		Prepared: 07/17/2025 Analyzed: 07/22/2025						
Sulfate	33	5.00	mg/L	12.50	22	83	80-120	0.1	10	

TURNER LABORATORIES INC.
2445 N. Coyote Drive, Suite 104
Tucson, Arizona 85745
(520) 882-5880
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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 2560370 DATE 7/11/2025 PAGE 1 OF 2

PROJECT NAME CQB Quarterly # CC18.1080.00

CONTACT NAME : Chris Sherman

COMPANY NAME : Freeport-McMoRan Copper Queen Branch

ADDRESS : 36 Highway 92

CITY Bisbee STATE AZ ZIP CODE 85603

PHONE 520-508-7063 FAX 520-432-1395

SAMPLER'S SIGNATURE Jason Scow

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	SO4 (300.0)
GARNER 635	7-7-25	1401		GW	1	✓
DUP250707	7-7-25	0700		GW	1	✓
EQB250707	7-7-25	1222		GW	1	✓
FB250707	7-7-25	1203		GW	1	✓
ANDERSON 488	7-7-25	1732		GW	1	✓
MCCONNELL	7-8-25	1226		GW	1	✓
KEEFER	7-8-25	1334		GW	1	✓
WEED	7-8-25	1420		GW	1	✓
BANKS 986	7-9-25	1034		GW	1	✓
ROGERS 596	7-9-25	1257		GW	1	✓
RAMIREZ	7-9-25	1410		GW	1	✓

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

1. RELINQUISHED BY: Jason Scow
Signature Jason Scow
Printed Name Clear Creek Associates
Firm 7-11-25/ 1423
Date/Time

2. RECEIVED BY:
Signature
Printed Name
Firm
Date/Time

3. RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time

4. RECEIVED BY:
Signature Christian Cervantes
Printed Name TURNER LABORATORIES, INC.
Firm 7/11/25 1423
Date/Time

TURNAROUND REQUIREMENTS:
_____ Standard (approx.10 days)*
____Next day ____2 Day ____5 Day*
____ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
____ I. Routine Report
____ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
____ III. Date Validation Report (Includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ____ Y ____ N
P.O. # _____
Bill to: _____

SAMPLE RECEIPT:
IR #48
Total Containers 17
Temperature 3.3°C
☒ Wet Ice ☐ Blue Ice

***LEGEND**
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	☐ Yes ☐ No	Custody Seals	☐	Preservation Confirmation	☒
ADEQ Forms:	☐ Yes ☐ No	Container Intact	☒	Appropriate Head Space	☒
Mail ADEQ Forms:	☐ Yes ☐ No	COC/Labels Agree	☒	Received Within Hold Time	☒

TURNER LABORATORIES INC.
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Tucson, Arizona 85745
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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 2560370 DATE 7/11/2025 PAGE 2 OF 2

PROJECT NAME CQB Quarterly # CC18.1080.00
CONTACT NAME : Chris Sherman
COMPANY NAME : Freeport-McMoRan Copper Queen Branch
ADDRESS : 36 Highway 92
CITY Bisbee STATE AZ ZIP CODE 85603
PHONE 520-508-7063 FAX 520-432-1395
SAMPLER'S SIGNATURE Jason Sean

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	SO4 (300.0)
OLMOS	7-10-25	1046		GW	1	✓
MOORE	7-10-25	1151		GW	1	✓
ECHAVE	7-10-25	1346		GW	1	✓
BIMA	7-10-25	1338		GW	1	✓
LAIR	7-10-25	1642		GW	1	✓
COOPER 988	7-11-25	1205		GW	1	✓

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

1. RELINQUISHED BY: Jason Sean
Signature Jason Sean
Printed Name
Firm Clear Creek Associates
Date/Time 7-11-25 / 1423

2. RECEIVED BY:
Signature
Printed Name
Firm
Date/Time

TURNAROUND REQUIREMENTS:
____Standard (approx.10 days)*
____Next day ____2 Day ____5 Day*
____ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
____ I. Routine Report
____ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
____ III. Date Validation Report (Includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ____ Y ____ N
P.O. # ____
Bill to: ____

SAMPLE RECEIPT:
IR #48
Total Containers 17
Temperature 3.3
☒ Wet Ice ☐ Blue Ice

3. RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time

4. RECEIVED BY:
Signature Christian Cervantes
Printed Name
TURNER LABORATORIES, INC.
Firm
Date/Time 7/11/25 1423

*LEGEND
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	☐ Yes	☐ No	Custody Seals	☐	Preservation Confirmation	☒
ADEQ Forms:	☐ Yes	☐ No	Container Intact	☒	Appropriate Head Space	☒
Mail ADEQ Forms:	☐ Yes	☐ No	COC/Labels Agree	☒	Received Within Hold Time	☒

September 30, 2025

Chris Sherman
Freeport McMoran - Copper Queen Branch
36 W Highway 92
Bisbee, AZ 85603-1047

TEL (520) 432-6206
FAX

Work Order No.: 25G0568
Order Name: CQB Quarterly # CC18. 1080.00

RE: CQB

Dear Chris Sherman,

Turner Laboratories, Inc. received 17 sample(s) on 07/18/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066



Elizabeth Kasik
Laboratory Director

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0568
Date Received: 07/18/2025

Order: CQB Quarterly # CC18. 1080.00

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25G0568-01	Howard 312	Ground Water	07/14/2025 1352
25G0568-02	Howard NR	Ground Water	07/14/2025 1400
25G0568-03	DUP250715	Ground Water	07/15/2025 0815
25G0568-04	TVI 236	Ground Water	07/15/2025 0815
25G0568-05	FB250715	Ground Water	07/15/2025 0827
25G0568-06	EQB250715	Ground Water	07/15/2025 0923
25G0568-07	PIONKE 517	Ground Water	07/15/2025 1403
25G0568-08	THOMPSON 341	Ground Water	07/15/2025 1448
25G0568-09	WEISKOPF 897	Ground Water	07/16/2025 1100
25G0568-10	FRANCO 383	Ground Water	07/16/2025 1500
25G0568-11	DODSON	Ground Water	07/16/2025 1607
25G0568-12	RUIZ 146	Ground Water	07/17/2025 0823
25G0568-13	ROGERS E	Ground Water	07/17/2025 1007
25G0568-14	PANAGAKOS	Ground Water	07/17/2025 1138
25G0568-15	SCHWARTZ	Ground Water	07/17/2025 1425
25G0568-16	BURKE	Ground Water	07/18/2025 0842
25G0568-17	PARRA	Ground Water	07/18/2025 0942

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0568
Date Received: 07/18/2025

Case Narrative

This report has been modified to correct the sample ID from "SCMWARTZ" to "SCHWARTZ"

E4	Concentration estimated. Analyte was detected below laboratory Minimum Reporting Limit (MRL) but above MDL.
M2	Matrix spike recovery was low; the associated LCS/LCSD was acceptable.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND	Not Detected at or above the PQL
PQL	Practical Quantitation Limit
DF	Dilution Factor

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0568
Lab Sample ID: 25G0568-01

Client Sample ID: Howard 312
Collection Date/Time: 07/14/2025 1352
Matrix: Ground Water
Order Name: CQB Quarterly # CC18. 1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	66.7	2.81	5.00		mg/L	1	07/25/2025 1000	07/25/2025 1317	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0568
Lab Sample ID: 25G0568-02

Client Sample ID: Howard NR
Collection Date/Time: 07/14/2025 1400
Matrix: Ground Water
Order Name: CQB Quarterly # CC18. 1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	67.0	2.81	5.00		mg/L	1	07/25/2025 1000	07/25/2025 1341	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0568
Lab Sample ID: 25G0568-03

Client Sample ID: DUP250715
Collection Date/Time: 07/15/2025 0815
Matrix: Ground Water
Order Name: CQB Quarterly # CC18. 1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	35.1	2.81	5.00		mg/L	1	07/25/2025 1000	07/25/2025 1405	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0568
Lab Sample ID: 25G0568-04

Client Sample ID: TVI 236
Collection Date/Time: 07/15/2025 0815
Matrix: Ground Water
Order Name: CQB Quarterly # CC18. 1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	35.0	2.81	5.00		mg/L	1	07/25/2025 1000	07/25/2025 1429	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0568
Lab Sample ID: 25G0568-05

Client Sample ID: FB250715
Collection Date/Time: 07/15/2025 0827
Matrix: Ground Water
Order Name: CQB Quarterly # CC18. 1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	3.32	2.81	5.00	E4	mg/L	1	07/25/2025 1000	07/25/2025 1453	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0568
Lab Sample ID: 25G0568-06

Client Sample ID: EQB250715
Collection Date/Time: 07/15/2025 0923
Matrix: Ground Water
Order Name: CQB Quarterly # CC18. 1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	3.35	2.81	5.00	E4	mg/L	1	07/25/2025 1502	07/25/2025 1516	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0568
Lab Sample ID: 25G0568-07

Client Sample ID: PIONKE 517
Collection Date/Time: 07/15/2025 1403
Matrix: Ground Water
Order Name: CQB Quarterly # CC18. 1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	14.4	2.81	5.00		mg/L	1	07/25/2025 1502	07/25/2025 1540	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0568
Lab Sample ID: 25G0568-08

Client Sample ID: THOMPSON 341
Collection Date/Time: 07/15/2025 1448
Matrix: Ground Water
Order Name: CQB Quarterly # CC18. 1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	9.28	2.81	5.00		mg/L	1	07/25/2025 1502	07/25/2025 1604	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0568
Lab Sample ID: 25G0568-09

Client Sample ID: WEISKOPF 897
Collection Date/Time: 07/16/2025 1100
Matrix: Ground Water
Order Name: CQB Quarterly # CC18. 1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	17.0	2.81	5.00		mg/L	1	07/25/2025 1502	07/25/2025 1628	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0568
Lab Sample ID: 25G0568-10

Client Sample ID: FRANCO 383
Collection Date/Time: 07/16/2025 1500
Matrix: Ground Water
Order Name: CQB Quarterly # CC18. 1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	375	28.1	50.0		mg/L	10	07/25/2025 1502	08/01/2025 1720	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0568
Lab Sample ID: 25G0568-11

Client Sample ID: DODSON
Collection Date/Time: 07/16/2025 1607
Matrix: Ground Water
Order Name: CQB Quarterly # CC18. 1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	49.2	2.81	5.00		mg/L	1	07/25/2025 1502	07/31/2025 2019	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0568
Lab Sample ID: 25G0568-12

Client Sample ID: RUIZ 146
Collection Date/Time: 07/17/2025 0823
Matrix: Ground Water
Order Name: CQB Quarterly # CC18. 1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	81.4	2.81	5.00		mg/L	1	07/25/2025 1502	07/31/2025 2038	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0568
Lab Sample ID: 25G0568-13

Client Sample ID: ROGERS E
Collection Date/Time: 07/17/2025 1007
Matrix: Ground Water
Order Name: CQB Quarterly # CC18. 1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	10.7	2.81	5.00		mg/L	1	07/25/2025 1502	07/31/2025 2057	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0568
Lab Sample ID: 25G0568-14

Client Sample ID: PANAGAKOS
Collection Date/Time: 07/17/2025 1138
Matrix: Ground Water
Order Name: CQB Quarterly # CC18. 1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	258	28.1	50.0		mg/L	10	07/25/2025 1502	08/01/2025 1740	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0568
Lab Sample ID: 25G0568-15

Client Sample ID: SCHWARTZ
Collection Date/Time: 07/17/2025 1425
Matrix: Ground Water
Order Name: CQB Quarterly # CC18. 1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	154	28.1	50.0		mg/L	10	07/25/2025 1502	08/01/2025 1916	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0568
Lab Sample ID: 25G0568-16

Client Sample ID: BURKE
Collection Date/Time: 07/18/2025 0842
Matrix: Ground Water
Order Name: CQB Quarterly # CC18. 1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	32.6	2.81	5.00		mg/L	1	07/25/2025 1502	07/31/2025 2313	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0568
Lab Sample ID: 25G0568-17

Client Sample ID: PARRA
Collection Date/Time: 07/18/2025 0942
Matrix: Ground Water
Order Name: CQB Quarterly # CC18. 1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	312	28.1	50.0		mg/L	10	07/25/2025 1502	08/01/2025 1936	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0568
Date Received: 07/18/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507261 - EPA 300.0 (2.1)										
Blank (2507261-BLK1)				Prepared & Analyzed: 07/25/2025						
Sulfate	ND	5.00	mg/L							
LCS (2507261-BS1)				Prepared & Analyzed: 07/25/2025						
Sulfate	13	5.00	mg/L	12.50		107	90-110			
LCS Dup (2507261-BSD1)				Prepared & Analyzed: 07/25/2025						
Sulfate	13	5.00	mg/L	12.50		107	90-110	0.2	10	
Matrix Spike (2507261-MS1)	**Source: 25G0568-05**			Prepared: 07/25/2025 Analyzed: 07/31/2025						
Sulfate	13	5.00	mg/L	12.50	3.3	79	80-120			M2
Matrix Spike (2507261-MS2)	**Source: 25G0568-06**			Prepared: 07/25/2025 Analyzed: 08/01/2025						
Sulfate	13	5.00	mg/L	12.50	3.3	79	80-120			M2
Matrix Spike Dup (2507261-MSD1)	**Source: 25G0568-05**			Prepared: 07/25/2025 Analyzed: 08/01/2025						
Sulfate	13	5.00	mg/L	12.50	3.3	79	80-120	0.06	10	M2
Matrix Spike Dup (2507261-MSD2)	**Source: 25G0568-06**			Prepared: 07/25/2025 Analyzed: 08/01/2025						
Sulfate	13	5.00	mg/L	12.50	3.3	79	80-120	0.2	10	M2

TURNER LABORATORIES INC.
2445 N. Coyote Drive, Suite 104
Tucson, Arizona 85745
(520) 882-5880
Fax: (520) 882-9788
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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 2560568 DATE 7/18/25 PAGE 1 OF 2

PROJECT NAME CQB Quarterly # CC18.1080.00

CONTACT NAME : Chris Sherman

COMPANY NAME : Freeport-McMoRan Copper Queen Branch

ADDRESS : 36 Highway 92

CITY Bisbee STATE AZ ZIP CODE 85603

PHONE 520-508-7063 FAX 520-432-1395

SAMPLER'S SIGNATURE Jason Sean

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	SO4 (300.0)
HOWARD 312	7-14-25	1352		GW	1	✓
HOWARD NR	7-14-25	1400		GW	1	✓
DUP250715	7-15-25	0815		GW	1	✓
TVL 236	7-15-25	0815		GW	1	✓
FB250715	7-15-25	0827		GW	1	✓
EQB250715	7-15-25	0923		GW	1	✓
PIONKE 517	7-15-25	1403		GW	1	✓
THOMPSON 341	7-15-25	1448		GW	1	✓
WEISKOPF 897	7-16-25	1106		GW	1	✓
FRANCO 383	7-16-25	1500		GW	1	✓
DODSON	7-16-25			GW	1	✓

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

1. RELINQUISHED BY: Jason Sean
Signature Jason Sean
Printed Name Clear Creek Associates
Firm 7-18-25/1218
Date/Time

2. RECEIVED BY:
Signature
Printed Name
Firm
Date/Time

TURNAROUND REQUIREMENTS:
Standard (approx.10 days)*
Next day 2 Day 5 Day*
Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
I. Routine Report
II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
III. Date Validation Report (Includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account Y N
P.O. #
Bill to:

SAMPLE RECEIPT:
IR #1418
Total Containers 17
Temperature 2.9
☒ Wet Ice ☐ Blue Ice

3. RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time

4. RECEIVED BY: Christian Cervantes
Signature
Printed Name
TURNER LABORATORIES, INC.
Firm 7/18/25 1218
Date/Time

***LEGEND**
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
~~ST = STORMWATER~~
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis: ☐ Yes ☐ No	Custody Seals ☐	Preservation Confirmation ☒
ADEQ Forms: ☐ Yes ☐ No	Container Intact ☒	Appropriate Head Space ☒
Mail ADEQ Forms: ☐ Yes ☐ No	COC/Labels Agree ☒	Received Within Hold Time ☒

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2445 N. Coyote Drive, Suite 104
Tucson, Arizona 85745
(520) 882-5880
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www.turnerlabs.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 2560568 DATE 7/18/25 PAGE 2 OF 2

PROJECT NAME CQB Quarterly # CC18.1080.00

CONTACT NAME : Chris Sherman

COMPANY NAME : Freeport-McMoRan Copper Queen Branch

ADDRESS : 36 Highway 92

CITY Bisbee STATE AZ ZIP CODE 85603

PHONE 520-508-7063 FAX 520-432-1395

SAMPLER'S SIGNATURE Jason Sean

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	SO4 (300.0)
RUIZ 146	7-17-25	0823		GW	1	✓
ROGERS E	7-17-25	1007		GW	1	✓
PANAGAKOS	7-17-25	1138		GW	1	✓
SCHWARTZ	7-17-25	1425		GW	1	✓
BURKE	7-18-25	0842		GW	1	✓
PARRA	7-18-25	0942		GW	1	✓

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

1. RELINQUISHED BY: Jason Sean
Signature Jason Sean
Printed Name Clear Creek Associates
Firm 7-18-25/1218
Date/Time

2. RECEIVED BY:
Signature
Printed Name
Firm
Date/Time

3. RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time

4. RECEIVED BY:
Signature Christian Cervantes
Printed Name TURNER LABORATORIES, INC.
Firm 7/18/25 1218
Date/Time

TURNAROUND REQUIREMENTS:
____Standard (approx.10 days)*
____Next day ____2 Day ____5 Day*
____ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
____I. Routine Report
____II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
____III. Date Validation Report (Includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ____ Y ____ N
P.O. # ____
Bill to: ____

SAMPLE RECEIPT:
IR #148
Total Containers 17
Temperature 2.9
☒ Wet Ice ☐ Blue Ice

***LEGEND**
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	☐ Yes ☐ No	Custody Seals	☐	Preservation Confirmation	☒
ADEQ Forms:	☐ Yes ☐ No	Container Intact	☒	Appropriate Head Space	☒
Mail ADEQ Forms:	☐ Yes ☐ No	COC/Labels Agree	☒	Received Within Hold Time	☒

August 04, 2025

Chris Sherman
Freeport McMoran - Copper Queen Branch
36 W Highway 92
Bisbee, AZ 85603-1047

TEL (520) 432-6206
FAX

Work Order No.: 25G0584
Order Name: CQB Quarterly
CC18.1080.00

RE: CQB

Dear Chris Sherman,

Turner Laboratories, Inc. received 12 sample(s) on 07/18/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066



Elizabeth Kasik
Laboratory Director

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0584
Date Received: 07/18/2025

Order: CQB Quarterly CC18.1080.00

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25G0584-01	AWC-04	Ground Water	07/14/2025 1521
25G0584-02	AWC-03	Ground Water	07/14/2025 1033
25G0584-03	AWC-05	Ground Water	07/14/2025 0956
25G0584-04	AWC-02	Ground Water	07/14/2025 1350
25G0584-05	BMO-2010-3B	Ground Water	07/15/2025 1546
25G0584-06	BMO-2010-3M	Ground Water	07/15/2025 1405
25G0584-07	Ray	Ground Water	07/17/2025 1101
25G0584-08	Ness	Ground Water	07/17/2025 1504
25G0584-09	Noteman	Ground Water	07/17/2025 1313
25G0584-10	NWC-04	Ground Water	07/18/2025 0950
25G0584-11	NWC-02	Ground Water	07/18/2025 0844
25G0584-12	NWC-06	Ground Water	07/18/2025 0821

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0584
Date Received: 07/18/2025

Case Narrative

E8 Analyte reported to MDL per project specification. Target analyte was not detected in the sample.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND Not Detected at or above the PQL

PQL Practical Quantitation Limit

DF Dilution Factor

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0584
Lab Sample ID: 25G0584-01

Client Sample ID: AWC-04
Collection Date/Time: 07/14/2025 1521
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	23.6	2.81	5.00		mg/L	1	07/28/2025 1359	07/28/2025 1856	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0584
Lab Sample ID: 25G0584-02

Client Sample ID: AWC-03
Collection Date/Time: 07/14/2025 1033
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	79.4	2.81	5.00		mg/L	1	07/28/2025 1359	07/28/2025 1916	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0584
Lab Sample ID: 25G0584-03

Client Sample ID: AWC-05
Collection Date/Time: 07/14/2025 0956
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	21.5	2.81	5.00		mg/L	1	07/28/2025 1359	07/28/2025 1935	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0584
Lab Sample ID: 25G0584-04

Client Sample ID: AWC-02
Collection Date/Time: 07/14/2025 1350
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	19.5	2.81	5.00		mg/L	1	07/28/2025 1359	07/28/2025 1954	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0584
Lab Sample ID: 25G0584-05

Client Sample ID: BMO-2010-3B
Collection Date/Time: 07/15/2025 1546
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	24.6	2.81	5.00		mg/L	1	07/28/2025 1359	07/28/2025 2014	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0584
Lab Sample ID: 25G0584-06

Client Sample ID: BMO-2010-3M
Collection Date/Time: 07/15/2025 1405
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	9.71	2.81	5.00		mg/L	1	07/28/2025 1359	07/28/2025 2033	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0584
Lab Sample ID: 25G0584-07

Client Sample ID: Ray
Collection Date/Time: 07/17/2025 1101
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	139	28.1	50.0		mg/L	10	07/28/2025 1359	08/01/2025 0148	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0584
Lab Sample ID: 25G0584-08

Client Sample ID: Ness
Collection Date/Time: 07/17/2025 1504
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	47.3	2.81	5.00		mg/L	1	07/28/2025 1359	07/28/2025 2112	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0584
Lab Sample ID: 25G0584-09

Client Sample ID: Noteman
Collection Date/Time: 07/17/2025 1313
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	193	28.1	50.0		mg/L	10	07/28/2025 1359	08/01/2025 0207	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0584
Lab Sample ID: 25G0584-10

Client Sample ID: NWC-04
Collection Date/Time: 07/18/2025 0950
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	165	28.1	50.0		mg/L	10	07/28/2025 1359	08/01/2025 0226	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0584
Lab Sample ID: 25G0584-11

Client Sample ID: NWC-02
Collection Date/Time: 07/18/2025 0844
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	8.88	2.81	5.00		mg/L	1	07/28/2025 1359	07/28/2025 2327	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0584
Lab Sample ID: 25G0584-12

Client Sample ID: NWC-06
Collection Date/Time: 07/18/2025 0821
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	9.56	2.81	5.00		mg/L	1	07/28/2025 1359	07/28/2025 2347	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25G0584
Date Received: 07/18/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507274 - EPA 300.0 (2.1)										
Blank (2507274-BLK1)				Prepared & Analyzed: 07/28/2025						
Sulfate	ND	5.00	mg/L							E8
LCS (2507274-BS1)				Prepared & Analyzed: 07/28/2025						
Sulfate	13	5.00	mg/L	12.50		104	90-110			
LCS Dup (2507274-BSD1)				Prepared & Analyzed: 07/28/2025						
Sulfate	13	5.00	mg/L	12.50		104	90-110	0.2	10	
Matrix Spike (2507274-MS1)		**Source: 25G0584-06**		Prepared: 07/28/2025 Analyzed: 08/01/2025						
Sulfate	20	5.00	mg/L	12.50	9.7	83	80-120			
Matrix Spike (2507274-MS2)		**Source: 25G0584-08**		Prepared: 07/28/2025 Analyzed: 08/01/2025						
Sulfate	58	5.00	mg/L	12.50	47	83	80-120			
Matrix Spike (2507274-MS3)		**Source: 25G0784-03**		Prepared: 07/28/2025 Analyzed: 08/01/2025						
Sulfate	13	5.00	mg/L	12.50	2.9	82	80-120			
Matrix Spike Dup (2507274-MSD1)		**Source: 25G0584-06**		Prepared: 07/28/2025 Analyzed: 08/01/2025						
Sulfate	20	5.00	mg/L	12.50	9.7	84	80-120	0.1	10	
Matrix Spike Dup (2507274-MSD2)		**Source: 25G0584-08**		Prepared: 07/28/2025 Analyzed: 08/01/2025						
Sulfate	58	5.00	mg/L	12.50	47	82	80-120	0.2	10	
Matrix Spike Dup (2507274-MSD3)		**Source: 25G0784-03**		Prepared: 07/28/2025 Analyzed: 08/01/2025						
Sulfate	13	5.00	mg/L	12.50	2.9	83	80-120	0.5	10	

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(520) 882-5880
Fax: (520) 882-9788
www.turnerlabs.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 356405384 DATE 7/18/25 PAGE 1 OF 2

PROJECT NAME CQB Quarterly # CC18.1080.00
CONTACT NAME : Chris Sherman
COMPANY NAME : Freeport-McMoRan Copper Queen Branch
ADDRESS : 36 Highway 92
CITY Bisbee STATE AZ ZIP CODE 85603
PHONE 520-508-7063 FAX 520-432-1395
SAMPLER'S SIGNATURE

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	SO4 (300.0)
AWC-04	7-14	1521		GW	1	✓
AWC-03	7-14-25	1033			1	✓
AWC-05	7-14-25	0956			1	✓
AWC-02	7-14-25	1350			1	✓
BMW-2W-3B	7-15-25	1546			1	✓
BMW-2W-3M	7-15-25	1405			1	✓
Raw	7-17-25	1101			1	✓
nESS	7-17-25	1504			1	✓
Notemn	7-17-25	1313			1	✓
NWC-04	7-18-25	0950			1	✓
NWC-03	7-18-25	0944			1	✓

1. RELINQUISHED BY:
Signature
Printed Name Jacob Hasson
Firm Clear Creek Associates
Date/Time 7-18-25 1524

2. RECEIVED BY:
Signature
Printed Name
Firm
Date/Time

3. RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time

4. RECEIVED BY:
Signature
Printed Name TURNER LABORATORIES, INC.
Firm
Date/Time 7/18/25 1524

TURNAROUND REQUIREMENTS:
_____ Standard (approx.10 days)*
___ Next day ___ 2 Day ___ 5 Day*
___ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
___ I. Routine Report
___ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
___ III. Date Validation Report (Includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ___ Y ___ N
P.O. # _____
Bill to: _____

SAMPLE RECEIPT:
Total Containers 13
Temperature 1.0
☑ Wet Ice ☐ Blue Ice

***LEGEND**
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	☐ Yes	☐ No	Custody Seals	☐	Preservation Confirmation	☐
ADEQ Forms:	☐ Yes	☐ No	Container Intact	☐	Appropriate Head Space	☐
Mail ADEQ Forms:	☐ Yes	☐ No	COC/Labels Agree	☐	Received Within Hold Time	☐

TURNER LABORATORIES INC.
2445 N. Coyote Drive, Suite 104
Tucson, Arizona 85745
(520) 882-5880
Fax: (520) 882-9788
www.turnerlabs.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 256 0584 DATE 7/18/25 PAGE 2 OF 2

PROJECT NAME CQB Quarterly # CC18.1080.00

CONTACT NAME : Chris Sherman

COMPANY NAME : Freeport-McMoRan Copper Queen Branch

ADDRESS : 36 Highway 92

CITY Bisbee STATE AZ ZIP CODE 85603

PHONE 520-508-7063 FAX 520-432-1395

SAMPLER'S SIGNATURE

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX: SO4 (300.0)
MW-406	7-16-25	0821		GW	1	✓

1. RELINQUISHED BY:
Signature
Printed Name: Clear Creek Associates
Firm
Date/Time: 7-18-25 1521

2. RECEIVED BY:
Signature
Printed Name
Firm
Date/Time

TURNAROUND REQUIREMENTS:
_____ Standard (approx.10 days)*
____ Next day ____ 2 Day ____ 5 Day*
____ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
____ I. Routine Report
____ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
____ III. Date Validation Report (Includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ____ Y ____ N
P.O. # _____
Bill to: _____

SAMPLE RECEIPT:
Total Containers 12
Temperature 1.0
☑ Wet Ice ☐ Blue Ice

3. RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time

4. RECEIVED BY:
Signature
Printed Name: TURNER LABORATORIES, INC.
Firm
Date/Time: 7/18/25 15:24

***LEGEND**
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	☐ Yes ☐ No	Custody Seals	☐	Preservation Confirmation	☐
ADEQ Forms:	☐ Yes ☐ No	Container Intact	☑	Appropriate Head Space	☐
Mail ADEQ Forms:	☐ Yes ☐ No	COC/Labels Agree	☐	Received Within Hold Time	☐

September 22, 2025

Chris Sherman
Freeport McMoran - Copper Queen Branch
36 W Highway 92
Bisbee, AZ 85603-1047

TEL (520) 432-6206
FAX

Work Order No.: 25H0629
Order Name: CQB Quarterly
CC18.1080.00

RE: CQB

Dear Chris Sherman,

Turner Laboratories, Inc. received 24 sample(s) on 08/22/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066



Elizabeth Kasik
Laboratory Director

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0629
Date Received: 08/22/2025

Order: CQB Quarterly CC18.1080.00

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25H0629-01	DUP250818	Ground Water	08/18/2025 0700
25H0629-02	FB250818	Ground Water	08/18/2025 0947
25H0629-03	EQB250818	Ground Water	08/18/2025 0951
25H0629-04	POWER639	Ground Water	08/18/2025 1033
25H0629-05	PALMER	Ground Water	08/18/2025 1148
25H0629-06	FULTZ	Ground Water	08/18/2025 1258
25H0629-07	BMO-2015-2B	Ground Water	08/19/2025 0812
25H0629-08	BMO-2015-2BL	Ground Water	08/19/2025 0848
25H0629-09	BMO-2015-1BL	Ground Water	08/19/2025 0950
25H0629-10	BMO-2015-1B	Ground Water	08/19/2025 1025
25H0629-11	BMO-2014-4B	Ground Water	08/19/2025 1129
25H0629-12	BMO-2014-4BL	Ground Water	08/19/2025 1218
25H0629-13	COB MW-3	Ground Water	08/20/2025 0905
25H0629-14	COB MW-2	Ground Water	08/20/2025 0955
25H0629-15	BMO-2014-2BL	Ground Water	08/21/2025 0833
25H0629-16	BMO-2014-2BU	Ground Water	08/21/2025 0909
25H0629-17	BMO-2014-1BL	Ground Water	08/21/2025 1037
25H0629-18	DUP250821	Ground Water	08/21/2025 0700
25H0629-19	FB250821	Ground Water	08/21/2025 1137
25H0629-20	EQB250821	Ground Water	08/21/2025 1142
25H0629-21	BMO-2014-3BL	Ground Water	08/21/2025 1239
25H0629-22	BMO-2014-3BU	Ground Water	08/21/2025 1319
25H0629-23	TM-10 USBP	Ground Water	08/22/2025 1032
25H0629-24	EAST	Ground Water	08/22/2025 1149

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0629
Date Received: 08/22/2025

Case Narrative

This report has been revised to correct the results for DUP250818 and DUP250821. The samples were switched during log in.

E4	Concentration estimated. Analyte was detected below laboratory Minimum Reporting Limit (MRL) but above MDL.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND	Not Detected at or above the PQL
PQL	Practical Quantitation Limit
DF	Dilution Factor

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0629
Lab Sample ID: 25H0629-01

Client Sample ID: DUP250818
Collection Date/Time: 08/18/2025 0700
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	167	28.1	50.0		mg/L	10	09/05/2025 1000	09/12/2025 1621	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0629
Lab Sample ID: 25H0629-02

Client Sample ID: FB250818
Collection Date/Time: 08/18/2025 0947
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	2.70	0.484	5.00	E4	mg/L	1	09/05/2025 1000	09/05/2025 1831	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0629
Lab Sample ID: 25H0629-03

Client Sample ID: EQB250818
Collection Date/Time: 08/18/2025 0951
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	2.70	0.484	5.00	E4	mg/L	1	09/05/2025 1000	09/05/2025 1851	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0629
Lab Sample ID: 25H0629-04

Client Sample ID: POWER639
Collection Date/Time: 08/18/2025 1033
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	167	4.84	50.0		mg/L	10	09/05/2025 1000	09/12/2025 0003	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0629
Lab Sample ID: 25H0629-05

Client Sample ID: PALMER
Collection Date/Time: 08/18/2025 1148
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	16.0	0.484	5.00		mg/L	1	09/05/2025 1000	09/05/2025 1929	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0629
Lab Sample ID: 25H0629-06

Client Sample ID: FULTZ
Collection Date/Time: 08/18/2025 1258
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	57.4	0.484	5.00		mg/L	1	09/05/2025 1000	09/05/2025 1949	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0629
Lab Sample ID: 25H0629-07

Client Sample ID: BMO-2015-2B
Collection Date/Time: 08/19/2025 0812
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	285	4.84	50.0		mg/L	10	09/05/2025 1000	09/12/2025 0022	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0629
Lab Sample ID: 25H0629-08

Client Sample ID: BMO-2015-2BL
Collection Date/Time: 08/19/2025 0848
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	329	4.84	50.0		mg/L	10	09/05/2025 1000	09/12/2025 0041	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0629
Lab Sample ID: 25H0629-09

Client Sample ID: BMO-2015-1BL
Collection Date/Time: 08/19/2025 0950
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	281	4.84	50.0		mg/L	10	09/05/2025 1000	09/12/2025 0101	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0629
Lab Sample ID: 25H0629-10

Client Sample ID: BMO-2015-1B
Collection Date/Time: 08/19/2025 1025
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	198	4.84	50.0		mg/L	10	09/05/2025 1000	09/12/2025 0120	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0629
Lab Sample ID: 25H0629-11

Client Sample ID: BMO-2014-4B
Collection Date/Time: 08/19/2025 1129
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	75.6	0.484	5.00		mg/L	1	09/05/2025 1000	09/05/2025 2243	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0629
Lab Sample ID: 25H0629-12

Client Sample ID: BMO-2014-4BL
Collection Date/Time: 08/19/2025 1218
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	127	4.84	50.0		mg/L	10	09/05/2025 1000	09/12/2025 0140	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0629
Lab Sample ID: 25H0629-13

Client Sample ID: COB MW-3
Collection Date/Time: 08/20/2025 0905
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	83.9	0.484	5.00		mg/L	1	09/05/2025 1000	09/05/2025 2322	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0629
Lab Sample ID: 25H0629-14

Client Sample ID: COB MW-2
Collection Date/Time: 08/20/2025 0955
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	26.2	0.484	5.00		mg/L	1	09/05/2025 1000	09/05/2025 2341	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0629
Lab Sample ID: 25H0629-15

Client Sample ID: BMO-2014-2BL
Collection Date/Time: 08/21/2025 0833
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	385	4.84	50.0		mg/L	10	09/05/2025 1000	09/12/2025 1534	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0629
Lab Sample ID: 25H0629-16

Client Sample ID: BMO-2014-2BU
Collection Date/Time: 08/21/2025 0909
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	72.0	0.484	5.00		mg/L	1	09/05/2025 1000	09/06/2025 0020	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0629
Lab Sample ID: 25H0629-17

Client Sample ID: BMO-2014-1BL
Collection Date/Time: 08/21/2025 1037
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	174	4.84	50.0		mg/L	10	09/05/2025 1000	09/12/2025 1557	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0629
Lab Sample ID: 25H0629-18

Client Sample ID: DUP250821
Collection Date/Time: 08/21/2025 0700
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	8.52	2.81	5.00		mg/L	1	09/05/2025 1000	09/05/2025 1812	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0629
Lab Sample ID: 25H0629-19

Client Sample ID: FB250821
Collection Date/Time: 08/21/2025 1137
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	2.72	0.484	5.00	E4	mg/L	1	09/05/2025 1000	09/06/2025 0235	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0629
Lab Sample ID: 25H0629-20

Client Sample ID: EQB250821
Collection Date/Time: 08/21/2025 1142
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	2.71	0.484	5.00	E4	mg/L	1	09/05/2025 1000	09/06/2025 0255	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0629
Lab Sample ID: 25H0629-21

Client Sample ID: BMO-2014-3BL
Collection Date/Time: 08/21/2025 1239
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	8.42	0.484	5.00		mg/L	1	09/05/2025 1000	09/06/2025 0314	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0629
Lab Sample ID: 25H0629-22

Client Sample ID: BMO-2014-3BU
Collection Date/Time: 08/21/2025 1319
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	8.07	0.484	5.00		mg/L	1	09/05/2025 1000	09/06/2025 0333	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0629
Lab Sample ID: 25H0629-23

Client Sample ID: TM-10 USBP
Collection Date/Time: 08/22/2025 1032
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	10.8	0.484	5.00		mg/L	1	09/05/2025 1000	09/06/2025 0353	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0629
Lab Sample ID: 25H0629-24

Client Sample ID: EAST
Collection Date/Time: 08/22/2025 1149
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	13.2	0.484	5.00		mg/L	1	09/05/2025 1000	09/06/2025 0412	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0629
Date Received: 08/22/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2509070 - EPA 300.0 (2.1)										
Blank (2509070-BLK1)				Prepared & Analyzed: 09/05/2025						
Sulfate	ND	5.00	mg/L							
LCS (2509070-BS1)				Prepared & Analyzed: 09/05/2025						
Sulfate	13	5.00	mg/L	12.50		103	90-110			
LCS Dup (2509070-BSD1)				Prepared & Analyzed: 09/05/2025						
Sulfate	13	5.00	mg/L	12.50		103	90-110	0.2	10	
Matrix Spike (2509070-MS1)		**Source: 25H0629-01**		Prepared: 09/05/2025 Analyzed: 09/16/2025						
Sulfate	19	5.00	mg/L	12.50	170	NR	80-120			
Matrix Spike (2509070-MS2)		**Source: 25H0629-02**		Prepared: 09/05/2025 Analyzed: 09/17/2025						
Sulfate	13	5.00	mg/L	12.50	ND	104	80-120			
Matrix Spike (2509070-MS3)		**Source: 25H0629-03**		Prepared: 09/05/2025 Analyzed: 09/17/2025						
Sulfate	13	5.00	mg/L	12.50	ND	104	80-120			
Matrix Spike Dup (2509070-MSD1)		**Source: 25H0629-01**		Prepared: 09/05/2025 Analyzed: 09/16/2025						
Sulfate	19	5.00	mg/L	12.50	170	NR	80-120	0.05	10	
Matrix Spike Dup (2509070-MSD2)		**Source: 25H0629-02**		Prepared: 09/05/2025 Analyzed: 09/17/2025						
Sulfate	13	5.00	mg/L	12.50	ND	104	80-120	0.4	10	
Matrix Spike Dup (2509070-MSD3)		**Source: 25H0629-03**		Prepared: 09/05/2025 Analyzed: 09/17/2025						
Sulfate	13	5.00	mg/L	12.50	ND	105	80-120	0.7	10	

TURNER LABORATORIES INC.
2445 N. Coyote Drive, Suite 104
Tucson, Arizona 85745
(520) 882-5880
Fax: (520) 882-9788
www.turnerlabs.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 25H0629 DATE 8/22/2025 PAGE 1 OF 3

PROJECT NAME CQB Quarterly # CC18.1080.00

CONTACT NAME : Chris Sherman

COMPANY NAME : Freeport-McMoRan Copper Queen Branch

ADDRESS : 36 Highway 92

CITY Bisbee STATE AZ ZIP CODE 85603

PHONE 520-508-7063 FAX 520-432-1395

SAMPLER'S SIGNATURE Jason Scow

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	SO4 (300.0)
DUP250818	8-18-25	0700		GW	1	✓
FB250818	8-18-25	0947		GW	1	✓
EQB250818	8-18-25	0951		GW	1	✓
POWER 639	8-18-25	1033		GW	1	✓
PALMER	8-18-25	1148		GW	1	✓
PULTZ	8-18-25	1258		GW	1	✓
BMO-2015-2B	8-19-25	0812		GW	1	✓
BMO-2015-2BL	8-19-25	0848		GW	1	✓
BMO-2015-1BL	8-19-25	0950		GW	1	✓
BMO-2015-1B	8-19-25	1025		GW	1	✓
BMO-2014-4B	8-19-25	1129		GW	1	✓

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

1. RELINQUISHED BY:
Jason Scow
Signature
Jason Scow
Printed Name
Clear Creek Associates
Firm
8-22-25/1404
Date/Time

2. RECEIVED BY:
Signature
Printed Name
Firm
Date/Time

TURNAROUND REQUIREMENTS:
____Standard (approx.10 days)*
____Next day ____2 Day ____5 Day*
____ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
____ I. Routine Report
____ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
____ III. Date Validation Report (Includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ____ Y ____ N
P.O. # ____
Bill to: ____

SAMPLE RECEIPT:
IR # 118
Total Containers 11
Temperature 3.8°C
☒ Wet Ice ☐ Blue Ice

3. RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time

4. RECEIVED BY:
Christian Cervantes
Signature
Christian Cervantes
Printed Name
TURNER LABORATORIES, INC.
Firm
8/22/25 1404
Date/Time

*LEGEND
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	☐ Yes	☐ No	Custody Seals	☐	Preservation Confirmation	☒
ADEQ Forms:	☐ Yes	☐ No	Container Intact	☒	Appropriate Head Space	☒
Mail ADEQ Forms:	☐ Yes	☐ No	COC/Labels Agree	☒	Received Within Hold Time	☒

TURNER LABORATORIES INC.
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Tucson, Arizona 85745
(520) 882-5880
Fax: (520) 882-9788
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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 25H0629 DATE 8/22/2025 PAGE 2 OF 3

PROJECT NAME CQB Quarterly # CC18.1080.00
CONTACT NAME : Chris Sherman
COMPANY NAME : Freeport-McMoRan Copper Queen Branch
ADDRESS : 36 Highway 92
CITY Bisbee STATE AZ ZIP CODE 85603
PHONE 520-508-7063 FAX 520-432-1395
SAMPLER'S SIGNATURE Jason Scow

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	SO4 (300.0)
BMO-2014-4BL	8-19-25	1218		GW	1	✓
COB MW-3	8-20-25	0905		GW	1	✓
COB MW-2	8-20-25	0955		GW	1	✓
~~COB MW-1B~~	~~8-20-25~~	~~1226~~		~~GW~~	1	✓ JS 8/22/2025 (Missing)
BMO-2014-2BL	8-21-25	0833		GW	1	✓
BMO-2014-2BU	8-21-25	0909		GW	1	✓
BMO-2014-1BL	8-21-25	1037		GW	1	✓
DUP250821	8-21-25	0700		GW	1	✓
FB250821	8-21-25	1137		GW	1	✓
EQB250821	8-21-25	1142		GW	1	✓
BMO-2014-3BL	8-21-25	1239		GW	1	✓

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

1. RELINQUISHED BY: Jason Scow
Signature Jason Scow
Printed Name Clear Creek Associates
Firm 8-22-25/1404
Date/Time

2. RECEIVED BY:
Signature
Printed Name
Firm
Date/Time

TURNAROUND REQUIREMENTS:
____Standard (approx.10 days)*
____Next day ____2 Day ____5 Day*
____Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
____ I. Routine Report
____ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
____ III. Date Validation Report (Includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ____ Y ____ N
P.O. #
Bill to:

SAMPLE RECEIPT: IR #48
Total Containers 10
Temperature 3.8°C
☒ Wet Ice ☐ Blue Ice

3. RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time

4. RECEIVED BY: Christian Cervantes
Signature
Printed Name
TURNER LABORATORIES, INC.
Firm 8/22/25 1404
Date/Time

*LEGEND
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	☐ Yes	☐ No	Custody Seals	☐	Preservation Confirmation	☒
ADEQ Forms:	☐ Yes	☐ No	Container Intact	☒	Appropriate Head Space	☒
Mail ADEQ Forms:	☐ Yes	☐ No	COC/Labels Agree	☒	Received Within Hold Time	☒

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 25H0629 DATE 8/22/2025 PAGE 3 OF 3

PROJECT NAME CQB Quarterly # CC18.1080.00

CONTACT NAME : Chris Sherman

COMPANY NAME : Freeport-McMoRan Copper Queen Branch

ADDRESS : 36 Highway 92

CITY Bisbee STATE AZ ZIP CODE 85603

PHONE 520-508-7063 FAX 520-432-1395

SAMPLER'S SIGNATURE Jason Sean

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	SO4 (300.0)
BMO-2014-3BU	8-21-25	1319		GW	1	✓
TM-10 USBP	8-22-25	1032		GW	1	✓
EAST	8-22-25	1149		GW	1	✓

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

1. RELINQUISHED BY: Jason Sean
Signature Jason Sean
Printed Name Clear Creek Associates
Firm 8-22-25/1404
Date/Time

2. RECEIVED BY:
Signature
Printed Name
Firm
Date/Time

3. RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time

4. RECEIVED BY:
Signature Christian Cervantes
Printed Name TURNER LABORATORIES, INC.
Firm 8/22/25 1404
Date/Time

TURNAROUND REQUIREMENTS:
_____ Standard (approx.10 days)*
___ Next day ___ 2 Day ___ 5 Day*
___ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
___ I. Routine Report
___ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
___ III. Date Validation Report (Includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ___ Y ___ N
P.O. #
Bill to:

SAMPLE RECEIPT:
IR #48
Total Containers 3
Temperature 3.8°C
☒ Wet Ice ☐ Blue Ice

***LEGEND**
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
~~ST = STORMWATER~~
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	☐ Yes	☐ No	Custody Seals	☐	Preservation Confirmation	☒
ADEQ Forms:	☐ Yes	☐ No	Container Intact	☒	Appropriate Head Space	☒
Mail ADEQ Forms:	☐ Yes	☐ No	COC/Labels Agree	☒	Received Within Hold Time	☒

September 18, 2025

Chris Sherman
Freeport McMoran - Copper Queen Branch
36 W Highway 92
Bisbee, AZ 85603-1047

TEL (520) 432-6206
FAX

Work Order No.: 25H0670
Order Name: Quarterly
CC18.1080.00

RE: CQB

Dear Chris Sherman,

Turner Laboratories, Inc. received 2 sample(s) on 08/26/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066



Elizabeth Kasik
Laboratory Director

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0670
Date Received: 08/26/2025

Order: Quarterly CC18.1080.00

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25H0670-01	COB MW-1B	Ground Water	08/25/2025 1330
25H0670-02	Pool	Ground Water	08/25/2025 1453

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0670
Date Received: 08/26/2025

Case Narrative

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND Not Detected at or above the PQL

PQL Practical Quantitation Limit

DF Dilution Factor

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0670
Lab Sample ID: 25H0670-01

Client Sample ID: COB MW-1B
Collection Date/Time: 08/25/2025 1330
Matrix: Ground Water
Order Name: Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	1060	48.4	500		mg/L	100	09/09/2025 1000	09/13/2025 0615	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0670
Lab Sample ID: 25H0670-02

Client Sample ID: Pool
Collection Date/Time: 08/25/2025 1453
Matrix: Ground Water
Order Name: Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	90.2	0.484	5.00		mg/L	1	09/09/2025 1000	09/09/2025 1915	ES

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25H0670
Date Received: 08/26/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2509098 - EPA 300.0 (2.1)										
Blank (2509098-BLK1)				Prepared & Analyzed: 09/09/2025						
Sulfate	ND	5.00	mg/L							
LCS (2509098-BS1)				Prepared & Analyzed: 09/09/2025						
Sulfate	13	5.00	mg/L	12.50		102	90-110			
LCS Dup (2509098-BSD1)				Prepared & Analyzed: 09/09/2025						
Sulfate	13	5.00	mg/L	12.50		102	90-110	0.1	10	
Matrix Spike (2509098-MS1)	**Source: 25H0602-01**			Prepared: 09/09/2025 Analyzed: 09/17/2025						
Sulfate	25	5.00	mg/L	12.50	15	83	80-120			
Matrix Spike (2509098-MS2)	**Source: 25H0602-03**			Prepared: 09/09/2025 Analyzed: 09/17/2025						
Sulfate	13	5.00	mg/L	12.50	ND	104	80-120			
Matrix Spike Dup (2509098-MSD1)	**Source: 25H0602-01**			Prepared: 09/09/2025 Analyzed: 09/17/2025						
Sulfate	25	5.00	mg/L	12.50	15	84	80-120	0.4	10	
Matrix Spike Dup (2509098-MSD2)	**Source: 25H0602-03**			Prepared: 09/09/2025 Analyzed: 09/17/2025						
Sulfate	13	5.00	mg/L	12.50	ND	105	80-120	1	10	

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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 25H0670 DATE _____ PAGE 1 OF 1

PROJECT NAME CQB Quarterly # CC18.1080.00

CONTACT NAME : Chris Sherman

COMPANY NAME : Freeport-McMoRan Copper Queen Branch

ADDRESS : 36 Highway 92

CITY Bisbee STATE AZ ZIP CODE 85603

PHONE 520-508-7063 FAX 520-432-1395

SAMPLER'S SIGNATURE Jason Sean

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	SO4 (300.0)
COB MW-1B	8-25-25	1330		GW	1	✓
POOL	8-25-25	1453		GW	1	✓

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

1. RELINQUISHED BY:
Signature Jason Sean
Printed Name Jason Sean
Firm Clear Creek Associates
Date/Time 8-26-25/0847

2. RECEIVED BY:
Signature
Printed Name
Firm
Date/Time

3. RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time

4. RECEIVED BY:
Signature
Printed Name Kaitlyn Roberts
Firm TURNER LABORATORIES, INC.
Date/Time 8/26/25 0847

TURNAROUND REQUIREMENTS:
_____ Standard (approx.10 days)*
____ Next day ____ 2 Day ____ 5 Day*
____ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
____ I. Routine Report
____ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
____ III. Date Validation Report (Includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ____ Y ____ N
P.O. # _____
Bill to: _____

SAMPLE RECEIPT:
IR-48
Total Containers 2
Temperature 1.0
☒ Wet Ice ☐ Blue Ice

***LEGEND**
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	☐ Yes	☐ No	Custody Seals	☐	Preservation Confirmation	☒
ADEQ Forms:	☐ Yes	☐ No	Container Intact	☒	Appropriate Head Space	☒
Mail ADEQ Forms:	☐ Yes	☐ No	COC/Labels Agree	☒	Received Within Hold Time	☒

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www.svl.net

Freeport McMoRan - Bisbee	**Project Name: Bisbee Routine**
36 West Hwy 92	Work Order: **X5G0301**
Bisbee, AZ 85603	Reported: 30-Jul-25 09:47

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
BMO-2008-1G	X5G0301-01	Ground Water	10-Jul-25 07:00	CLS	18-Jul-2025	
BMO-2008-9M	X5G0301-02	Ground Water	10-Jul-25 08:50	CLS	18-Jul-2025	
BMO-2012-1M	X5G0301-03	Ground Water	09-Jul-25 08:10	CLS	18-Jul-2025	
TM-16	X5G0301-04	Ground Water	14-Jul-25 05:25	CLS	18-Jul-2025	
BMO-2010-1M	X5G0301-05	Ground Water	14-Jul-25 11:10	CLS	18-Jul-2025	
BMO-2010-2M	X5G0301-06	Ground Water	17-Jul-25 06:15	CLS	18-Jul-2025	
TM-6	X5G0301-07	Ground Water	17-Jul-25 08:15	CLS	18-Jul-2025	

Non-Detects are reported at the MDL.
Sample preparation is defined by the client as per their Data Quality Objectives.
This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.
Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.
The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.
This report shall not be reproduced except in full, without the written approval of SVL Analytical, Inc.

Case Narrative: X5G0301

The state of origin only accredits for drinking water analyses.

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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5G0301**
Reported: 30-Jul-25 09:47

Client Sample ID: **BMO-2008-1G**
SVL Sample ID: **X5G0301-01 (Ground Water)**

Sampled: 10-Jul-25 07:00
Received: 18-Jul-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	104	mg/L	3.00	1.80	10	X531036	GMD	07/28/25 15:56	

This data has been reviewed for accuracy and has been authorized for release.

Tawnya M. Hall

Tawnya M. Hall
Project Manager Assistant

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
www.svl.net

Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5G0301**
Reported: 30-Jul-25 09:47

Client Sample ID: **BMO-2008-9M**
SVL Sample ID: **X5G0301-02 (Ground Water)**

Sampled: 10-Jul-25 08:50
Received: 18-Jul-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	94.2	mg/L	3.00	1.80	10	X531036	GMD	07/28/25 16:33	

This data has been reviewed for accuracy and has been authorized for release.

Tawnya M. Hall

Tawnya M. Hall
Project Manager Assistant

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Kellogg, ID 83837-0929
(208) 784-1258
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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5G0301**
Reported: 30-Jul-25 09:47

Client Sample ID: **BMO-2012-1M**
SVL Sample ID: **X5G0301-03 (Ground Water)**

Sampled: 09-Jul-25 08:10
Received: 18-Jul-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	201	mg/L	7.50	4.50	25	X531036	GMD	07/28/25 18:42	

This data has been reviewed for accuracy and has been authorized for release.

Tawnya M. Hall

Tawnya M. Hall
Project Manager Assistant

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
www.svl.net

Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5G0301**
Reported: 30-Jul-25 09:47

Client Sample ID: **TM-16**
SVL Sample ID: **X5G0301-04 (Ground Water)**

Sampled: 14-Jul-25 05:25
Received: 18-Jul-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	479	mg/L	7.50	4.50	25	X531036	GMD	07/28/25 19:00	

This data has been reviewed for accuracy and has been authorized for release.

Tawnya M. Hall

Tawnya M. Hall
Project Manager Assistant

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
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Freeport McMoRan - Bisbee	**Project Name: Bisbee Routine**
36 West Hwy 92	Work Order: **X5G0301**
Bisbee, AZ 85603	Reported: 30-Jul-25 09:47

Client Sample ID: **BMO-2010-1M**
SVL Sample ID: **X5G0301-05 (Ground Water)**

Sampled: 14-Jul-25 11:10
Received: 18-Jul-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	179	mg/L	3.00	1.80	10	X531036	GMD	07/28/25 19:18	

This data has been reviewed for accuracy and has been authorized for release.

Tawnya M. Hall

Tawnya M. Hall
Project Manager Assistant

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
(208) 784-1258
www.svl.net

Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5G0301**
Reported: 30-Jul-25 09:47

Client Sample ID: **BMO-2010-2M**
SVL Sample ID: **X5G0301-06 (Ground Water)**

Sampled: 17-Jul-25 06:15
Received: 18-Jul-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	725	mg/L	7.50	4.50	25	X531036	GMD	07/28/25 19:37	

This data has been reviewed for accuracy and has been authorized for release.

Tawnya M. Hall

Tawnya M. Hall
Project Manager Assistant

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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5G0301**
Reported: 30-Jul-25 09:47

Client Sample ID: **TM-6**
SVL Sample ID: **X5G0301-07 (Ground Water)**

Sampled: 17-Jul-25 08:15
Received: 18-Jul-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	34.9	mg/L	3.00	1.80	10	X531036	GMD	07/28/25 19:55	

This data has been reviewed for accuracy and has been authorized for release.

Tawnya M. Hall

Tawnya M. Hall
Project Manager Assistant

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Kellogg, ID 83837-0929
(208) 784-1258
www.svl.net

Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5G0301**
Reported: 30-Jul-25 09:47

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Anions by Ion Chromatography								
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X531036	28-Jul-25	

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Anions by Ion Chromatography									
EPA 300.0	Sulfate as SO4	mg/L	9.73	10.0	97.3	90 - 110	X531036	28-Jul-25	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Sulfate as SO4	mg/L	103	94.2	10.0	0.30R>S	90 - 110	X531036 - X5G0301-02	28-Jul-25	M4

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Anions by Ion Chromatography										
EPA 300.0	Sulfate as SO4	mg/L	102	103	10.0	1.0	20	0.30R>S	X531036 - X5G0301-02	M4

One Government Gulch - PO Box 929
Kellogg, ID 83837-0929
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www.svl.net

Freeport McMoRan - Bisbee	**Project Name: Bisbee Routine**
36 West Hwy 92	Work Order: **X5G0301**
Bisbee, AZ 85603	Reported: 30-Jul-25 09:47

Notes and Definitions

M4	The analysis of the spiked sample required a dilution such that the spike recovery calculation does not provide useful information. The LCS recovery was acceptable.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5H0198**
Reported: 25-Aug-25 15:37

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
BM0-2008-6M	X5H0198-01	Ground Water	04-Aug-25 06:40	CLS	13-Aug-2025	
BM0-2008-6B	X5H0198-02	Ground Water	04-Aug-25 07:45	CLS	13-Aug-2025	
BM0-2008-5M	X5H0198-03	Ground Water	04-Aug-25 10:05	CLS	13-Aug-2025	
BM0-2008-5B	X5H0198-04	Ground Water	04-Aug-25 10:40	CLS	13-Aug-2025	
DUP-080425	X5H0198-05	Ground Water	04-Aug-25 10:40	CLS	13-Aug-2025	
BM0-2008-10GU	X5H0198-06	Ground Water	05-Aug-25 08:00	CLS	13-Aug-2025	
BM0-2008-10GL	X5H0198-07	Ground Water	05-Aug-25 10:30	CLS	13-Aug-2025	
TM-42	X5H0198-08	Ground Water	06-Aug-25 06:30	CLS	13-Aug-2025	
TM-19A	X5H0198-09	Ground Water	06-Aug-25 07:40	CLS	13-Aug-2025	
BM0-2008-3B	X5H0198-10	Ground Water	06-Aug-25 08:20	CLS	13-Aug-2025	
BM0-2008-11G	X5H0198-11	Ground Water	07-Aug-25 07:30	CLS	13-Aug-2025	

Non-Detects are reported at the MDL.
Sample preparation is defined by the client as per their Data Quality Objectives.
This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.
Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.
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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5H0198**
Reported: 25-Aug-25 15:37

Client Sample ID: **BM0-2008-6M**
SVL Sample ID: **X5H0198-01 (Ground Water)**

Sampled: 04-Aug-25 06:40
Received: 13-Aug-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	170	mg/L	3.00	1.80	10	X533194	RS	08/14/25 16:12	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
Dave Tryon
Project Manager

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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5H0198**
Reported: 25-Aug-25 15:37

Client Sample ID: **BM0-2008-6B**
SVL Sample ID: **X5H0198-02 (Ground Water)**

Sampled: 04-Aug-25 07:45
Received: 13-Aug-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	3.03	mg/L	0.30	0.18		X533194	RS	08/14/25 16:28	

This data has been reviewed for accuracy and has been authorized for release.

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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5H0198**
Reported: 25-Aug-25 15:37

Client Sample ID: **BM0-2008-5M**
SVL Sample ID: **X5H0198-03 (Ground Water)**

Sampled: 04-Aug-25 10:05
Received: 13-Aug-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	178	mg/L	3.00	1.80	10	X533194	RS	08/14/25 17:14	

This data has been reviewed for accuracy and has been authorized for release.

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Freeport McMoRan - Bisbee
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Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5H0198**
Reported: 25-Aug-25 15:37

Client Sample ID: **BM0-2008-5B**
SVL Sample ID: **X5H0198-04 (Ground Water)**

Sampled: 04-Aug-25 10:40
Received: 13-Aug-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	271	mg/L	3.00	1.80	10	X533194	RS	08/14/25 17:30	

This data has been reviewed for accuracy and has been authorized for release.

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Freeport McMoRan - Bisbee
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Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5H0198**
Reported: 25-Aug-25 15:37

Client Sample ID: **DUP-080425**
SVL Sample ID: **X5H0198-05 (Ground Water)**

Sampled: 04-Aug-25 10:40
Received: 13-Aug-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	266	mg/L	3.00	1.80	10	X533194	RS	08/14/25 17:46	

This data has been reviewed for accuracy and has been authorized for release.

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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5H0198**
Reported: 25-Aug-25 15:37

Client Sample ID: **BM0-2008-10GU**
SVL Sample ID: **X5H0198-06 (Ground Water)**

Sampled: 05-Aug-25 08:00
Received: 13-Aug-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	2310	mg/L	15.0	9.00	50	X533194	RS	08/14/25 18:01	

This data has been reviewed for accuracy and has been authorized for release.

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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5H0198**
Reported: 25-Aug-25 15:37

Client Sample ID: **BM0-2008-10GL**
SVL Sample ID: **X5H0198-07 (Ground Water)**

Sampled: 05-Aug-25 10:30
Received: 13-Aug-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	1570	mg/L	15.0	9.00	50	X533194	RS	08/14/25 18:17	

This data has been reviewed for accuracy and has been authorized for release.

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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5H0198**
Reported: 25-Aug-25 15:37

Client Sample ID: **TM-42**
SVL Sample ID: **X5H0198-08 (Ground Water)**

Sampled: 06-Aug-25 06:30
Received: 13-Aug-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	644	mg/L	15.0	9.00	50	X533194	RS	08/14/25 18:32	

This data has been reviewed for accuracy and has been authorized for release.

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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5H0198**
Reported: 25-Aug-25 15:37

Client Sample ID: **TM-19A**
SVL Sample ID: **X5H0198-09 (Ground Water)**

Sampled: 06-Aug-25 07:40
Received: 13-Aug-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	58.0	mg/L	3.00	1.80	10	X533194	RS	08/14/25 19:19	

This data has been reviewed for accuracy and has been authorized for release.

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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5H0198**
Reported: 25-Aug-25 15:37

Client Sample ID: **BM0-2008-3B**
SVL Sample ID: **X5H0198-10 (Ground Water)**

Sampled: 06-Aug-25 08:20
Received: 13-Aug-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	189	mg/L	3.00	1.80	10	X533194	RS	08/14/25 19:34	

This data has been reviewed for accuracy and has been authorized for release.

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Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5H0198**
Reported: 25-Aug-25 15:37

Client Sample ID: **BM0-2008-11G**
SVL Sample ID: **X5H0198-11 (Ground Water)**

Sampled: 07-Aug-25 07:30
Received: 13-Aug-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	12.7	mg/L	0.30	0.18		X533194	RS	08/18/25 11:00	

This data has been reviewed for accuracy and has been authorized for release.

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Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5H0198**
Reported: 25-Aug-25 15:37

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Anions by Ion Chromatography								
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X533194	14-Aug-25	

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Anions by Ion Chromatography									
EPA 300.0	Sulfate as SO4	mg/L	10.3	10.0	103	90 - 110	X533194	14-Aug-25	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Sulfate as SO4	mg/L	12.5	2.16	10.0	103	90 - 110	X533194 - X5H0257-04	14-Aug-25	
EPA 300.0	Sulfate as SO4	mg/L	17.6	7.63	10.0	100	90 - 110	X533194 - X5H0257-05	14-Aug-25	

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Anions by Ion Chromatography										
EPA 300.0	Sulfate as SO4	mg/L	12.4	12.5	10.0	0.5	20	103	X533194 - X5H0257-04	

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Freeport McMoRan - Bisbee	**Project Name: Bisbee Routine**
36 West Hwy 92	Work Order: **X5H0198**
Bisbee, AZ 85603	Reported: 25-Aug-25 15:37

Notes and Definitions

LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Freeport McMoRan - Bisbee	**Project Name: Bisbee Routine**
36 West Hwy 92	Work Order: **X5H0527**
Bisbee, AZ 85603	Reported: 09-Sep-25 17:41

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
TM-15	X5H0527-01	Ground Water	18-Aug-25 07:30	CLS	29-Aug-2025	
BMO-2008-13B	X5H0527-02	Ground Water	19-Aug-25 06:45	CLS	29-Aug-2025	
BMO-2008-13M	X5H0527-03	Ground Water	19-Aug-25 15:50	CLS	29-Aug-2025	
BMO-2008-8M	X5H0527-04	Ground Water	21-Aug-25 08:10	CLS	29-Aug-2025	
BMO-2008-7M	X5H0527-05	Ground Water	25-Aug-25 07:35	CLS	29-Aug-2025	
BMO-2008-8B	X5H0527-06	Ground Water	25-Aug-25 15:00	CLS	29-Aug-2025	
TM-2A	X5H0527-07	Ground Water	27-Aug-25 14:00	CLS	29-Aug-2025	

Non-Detects are reported at the MDL.
Sample preparation is defined by the client as per their Data Quality Objectives.
This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.
Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.
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Case Narrative: X5H0527

Elevated sulfate value noted for X5H0527-03 (BMO-2008-13M) so reanalysis requested. Reanalysis matched original result, reanalysis reported.

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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5H0527**
Reported: 09-Sep-25 17:41

Client Sample ID: **TM-15**
SVL Sample ID: **X5H0527-01 (Ground Water)**

Sampled: 18-Aug-25 07:30
Received: 29-Aug-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	14.8	mg/L	0.30	0.18		X535242	RS	09/02/25 17:42	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5H0527**
Reported: 09-Sep-25 17:41

Client Sample ID: **BMO-2008-13B**
SVL Sample ID: **X5H0527-02 (Ground Water)**

Sampled: 19-Aug-25 06:45
Received: 29-Aug-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	1080	mg/L	15.0	9.00	50	X535242	RS	09/02/25 19:25	

This data has been reviewed for accuracy and has been authorized for release.

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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5H0527**
Reported: 09-Sep-25 17:41

Client Sample ID: **BMO-2008-13M**
SVL Sample ID: **X5H0527-03 (Ground Water)**

Sampled: 19-Aug-25 15:50
Received: 29-Aug-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	1150	mg/L	15.0	9.00	50	X536128	RS	09/06/25 00:29	N1,N10

This data has been reviewed for accuracy and has been authorized for release.

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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5H0527**
Reported: 09-Sep-25 17:41

Client Sample ID: **BMO-2008-8M**
SVL Sample ID: **X5H0527-04 (Ground Water)**

Sampled: 21-Aug-25 08:10
Received: 29-Aug-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	932	mg/L	15.0	9.00	50	X535242	RS	09/02/25 20:27	

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5H0527**
Reported: 09-Sep-25 17:41

Client Sample ID: **BMO-2008-7M**
SVL Sample ID: **X5H0527-05 (Ground Water)**

Sampled: 25-Aug-25 07:35
Received: 29-Aug-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	48.5	mg/L	3.00	1.80	10	X535242	RS	09/02/25 20:43	D18

This data has been reviewed for accuracy and has been authorized for release.

Dave Tryon
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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5H0527**
Reported: 09-Sep-25 17:41

Client Sample ID: **BMO-2008-8B**
SVL Sample ID: **X5H0527-06 (Ground Water)**

Sampled: 25-Aug-25 15:00
Received: 29-Aug-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	1120	mg/L	15.0	9.00	50	X535242	RS	09/02/25 20:58	

This data has been reviewed for accuracy and has been authorized for release.

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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5H0527**
Reported: 09-Sep-25 17:41

Client Sample ID: **TM-2A**
SVL Sample ID: **X5H0527-07 (Ground Water)**

Sampled: 27-Aug-25 14:00
Received: 29-Aug-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	19.6	mg/L	0.30	0.18		X535242	RS	09/03/25 18:51	

This data has been reviewed for accuracy and has been authorized for release.

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36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5H0527**
Reported: 09-Sep-25 17:41

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Anions by Ion Chromatography								
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X535242	02-Sep-25	
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X536128	05-Sep-25	

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Anions by Ion Chromatography									
EPA 300.0	Sulfate as SO4	mg/L	10.4	10.0	104	90 - 110	X535242	02-Sep-25	
EPA 300.0	Sulfate as SO4	mg/L	10.1	10.0	101	90 - 110	X536128	05-Sep-25	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Sulfate as SO4	mg/L	25.1	14.8	10.0	103	90 - 110	X535242 - X5H0527-01	02-Sep-25	
EPA 300.0	Sulfate as SO4	mg/L	71.0	61.1	10.0	98.3	90 - 110	X535242 - X5H0532-04	03-Sep-25	
EPA 300.0	Sulfate as SO4	mg/L	12.5	2.42	10.0	100	90 - 110	X536128 - X5I0055-02	05-Sep-25	
EPA 300.0	Sulfate as SO4	mg/L	90.0	80.6	10.0	93.3	90 - 110	X536128 - X5I0055-03	05-Sep-25	

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Anions by Ion Chromatography										
EPA 300.0	Sulfate as SO4	mg/L	25.3	25.1	10.0	1.1	20	105	X535242 - X5H0527-01	
EPA 300.0	Sulfate as SO4	mg/L	12.7	12.5	10.0	2.1	20	103	X536128 - X5I0055-02	

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Freeport McMoRan - Bisbee	**Project Name: Bisbee Routine**
36 West Hwy 92	Work Order: **X5H0527**
Bisbee, AZ 85603	Reported: 09-Sep-25 17:41

Notes and Definitions

D18	Due to a published chemical interference, a sample dilution was performed.
N1	See case narrative.
N10	After reanalysis, original results are confirmed.
LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

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Freeport McMoRan - Bisbee	**Project Name: Bisbee Routine**
36 West Hwy 92	Work Order: **X5I0119**
Bisbee, AZ 85603	Reported: 16-Sep-25 14:39

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Sampled By	Date Received	Notes
Hoban	X5I0119-01	Ground Water	02-Sep-25 11:00	CLS	10-Sep-2025	
TM-7	X5I0119-02	Ground Water	03-Sep-25 07:38	CLS	10-Sep-2025	
EQB-090325	X5I0119-03	Ground Water	03-Sep-25 07:50	CLS	10-Sep-2025	
FB-090325	X5I0119-04	Ground Water	03-Sep-25 08:00	CLS	10-Sep-2025	

Non-Detects are reported at the MDL.
Sample preparation is defined by the client as per their Data Quality Objectives.
This report supercedes any previous reports for this Work Order. The complete report includes pages for each sample, a full QC report, and a notes section.
Analyses were performed in accordance with SVL standard operating procedures and calibrations were performed and met SVL internal QC criteria.
The results presented in this report relate only to the samples, and meet all requirements of the NELAC Standards unless otherwise noted.
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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5I0119**
Reported: 16-Sep-25 14:39

Client Sample ID: **Hoban**
SVL Sample ID: **X5I0119-01 (Ground Water)**

Sampled: 02-Sep-25 11:00
Received: 10-Sep-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	496	mg/L	15.0	9.00	50	X537138	RS	09/11/25 14:56	

This data has been reviewed for accuracy and has been authorized for release.

Tawnya M. Hall

Tawnya M. Hall
Project Manager Assistant

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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5I0119**
Reported: 16-Sep-25 14:39

Client Sample ID: **TM-7**
SVL Sample ID: **X5I0119-02 (Ground Water)**

Sampled: 03-Sep-25 07:38
Received: 10-Sep-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	**Sulfate as SO4**	91.6	mg/L	3.00	1.80	10	X537138	RS	09/11/25 15:11	

This data has been reviewed for accuracy and has been authorized for release.

Tawnya M. Hall

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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5I0119**
Reported: 16-Sep-25 14:39

Client Sample ID: **EQB-090325**
SVL Sample ID: **X5I0119-03 (Ground Water)**

Sampled: 03-Sep-25 07:50
Received: 10-Sep-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Sulfate as SO4	< 0.30	mg/L	0.30	0.18		X537138	RS	09/11/25 14:25	

This data has been reviewed for accuracy and has been authorized for release.

Tawnya M. Hall

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Project Manager Assistant

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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5I0119**
Reported: 16-Sep-25 14:39

Client Sample ID: **FB-090325**
SVL Sample ID: **X5I0119-04 (Ground Water)**

Sampled: 03-Sep-25 08:00
Received: 10-Sep-25
Sampled By: CLS

Method	Analyte	Result	Units	RL	MDL	Dilution	Batch	Analyst	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Sulfate as SO4	< 0.30	mg/L	0.30	0.18		X537138	RS	09/11/25 13:07	

This data has been reviewed for accuracy and has been authorized for release.

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Freeport McMoRan - Bisbee
36 West Hwy 92
Bisbee, AZ 85603

Project Name: Bisbee Routine
Work Order: **X5I0119**
Reported: 16-Sep-25 14:39

Quality Control - BLANK Data

Method	Analyte	Units	Result	MDL	MRL	Batch ID	Analyzed	Notes
Anions by Ion Chromatography								
EPA 300.0	Sulfate as SO4	mg/L	<0.30	0.18	0.30	X537138	11-Sep-25	

Quality Control - LABORATORY CONTROL SAMPLE Data

Method	Analyte	Units	LCS Result	LCS True	% Rec.	Acceptance Limits	Batch ID	Analyzed	Notes
Anions by Ion Chromatography									
EPA 300.0	Sulfate as SO4	mg/L	10.3	10.0	103	90 - 110	X537138	11-Sep-25	

Quality Control - MATRIX SPIKE Data

Method	Analyte	Units	Spike Result	Sample Result (R)	Spike Level (S)	% Rec.	Acceptance Limits	Batch and Source ID	Analyzed	Notes
Anions by Ion Chromatography										
EPA 300.0	Sulfate as SO4	mg/L	11.4	1.05	10.0	104	90 - 110	X537138 - X5I0125-01	11-Sep-25	
EPA 300.0	Sulfate as SO4	mg/L	23.0	12.3	10.0	107	90 - 110	X537138 - X5I0131-01	11-Sep-25	

Quality Control - MATRIX SPIKE DUPLICATE Data

Method	Analyte	Units	MSD Result	Spike Result	Spike Level	RPD	RPD Limit	% Recovery	Batch and Source ID	Notes
Anions by Ion Chromatography										
EPA 300.0	Sulfate as SO4	mg/L	11.5	11.4	10.0	0.4	20	104	X537138 - X5I0125-01	
EPA 300.0	Sulfate as SO4	mg/L	22.8	23.0	10.0	0.8	20	105	X537138 - X5I0131-01	

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Freeport McMoRan - Bisbee	**Project Name: Bisbee Routine**
36 West Hwy 92	Work Order: **X5I0119**
Bisbee, AZ 85603	Reported: 16-Sep-25 14:39

Notes and Definitions

LCS	Laboratory Control Sample (Blank Spike)
RPD	Relative Percent Difference
UDL	A result is less than the detection limit
0.30R>S	% recovery not applicable; spike level is less than 30% of the sample concentration
<RL	A result is less than the reporting limit
MRL	Method Reporting Limit
MDL	Method Detection Limit
N/A	Not Applicable

November 03, 2025

Chris Sherman
Freeport McMoran - Copper Queen Branch
36 W Highway 92
Bisbee, AZ 85603-1047

TEL (520) 432-6206
FAX

Work Order No.: 25J0538
Order Name: CQB Quarterly
CC18.1080.00

RE: CQB

Dear Chris Sherman,

Turner Laboratories, Inc. received 1 sample(s) on 10/17/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066

Elizabeth Kasik
Laboratory Director

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25J0538
Date Received: 10/17/2025

Order: CQB Quarterly CC18.1080.00

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25J0538-01	NWC-04	Ground Water	10/17/2025 0839

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25J0538
Date Received: 10/17/2025

Case Narrative

M2 Matrix spike recovery was low; the associated LCS/LCSD was acceptable.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND Not Detected at or above the PQL

PQL Practical Quantitation Limit

DF Dilution Factor

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25J0538
Lab Sample ID: 25J0538-01

Client Sample ID: NWC-04
Collection Date/Time: 10/17/2025 0839
Matrix: Ground Water
Order Name: CQB Quarterly CC18.1080.00

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Anions by Ion Chromatography-EPA 300.0 (2.1)									
Sulfate	148	28.1	50.0		mg/L	10	10/21/2025 1608	10/24/2025 2316	ACG

Client: Freeport McMoran - Copper Queen Branch
Project: CQB
Work Order: 25J0538
Date Received: 10/17/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2510189 - EPA 300.0 (2.1)										
Blank (2510189-BLK1)				Prepared & Analyzed: 10/21/2025						
Sulfate	ND	5.00	mg/L							
LCS (2510189-BS1)				Prepared & Analyzed: 10/21/2025						
Sulfate	13	5.00	mg/L	12.50		104	90-110			
LCS Dup (2510189-BSD1)				Prepared & Analyzed: 10/21/2025						
Sulfate	13	5.00	mg/L	12.50		104	90-110	0.06	10	
Matrix Spike (2510189-MS1)		**Source: 25J0624-01**		Prepared: 10/21/2025 Analyzed: 10/25/2025						
Sulfate	22	5.00	mg/L	12.50	8.9	109	80-120			
Matrix Spike (2510189-MS2)		**Source: 25J0523-02RE1**		Prepared: 10/21/2025 Analyzed: 10/25/2025						
Sulfate	270	50.0	mg/L	125.0	180	77	80-120			M2
Matrix Spike Dup (2510189-MSD1)		**Source: 25J0624-01**		Prepared: 10/21/2025 Analyzed: 10/25/2025						
Sulfate	22	5.00	mg/L	12.50	8.9	109	80-120	0.07	10	
Matrix Spike Dup (2510189-MSD2)		**Source: 25J0523-02RE1**		Prepared: 10/21/2025 Analyzed: 10/25/2025						
Sulfate	280	50.0	mg/L	125.0	180	81	80-120	2	10	

TURNER LABORATORIES INC.
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Fax: (520) 882-9788
www.turnerlabs.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 25038 DATE 10/17 PAGE 1 OF 1

PROJECT NAME CQB Quarterly # CC18.1080.00

CONTACT NAME : Chris Sherman

COMPANY NAME : Freeport-McMoRan Copper Queen Branch

ADDRESS : 36 Highway 92

CITY Bisbee STATE AZ ZIP CODE 85603

PHONE 520-508-7063 FAX 520-432-1395

SAMPLER'S SIGNATURE [signature]

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	SO4 (300.0)
NWL-04	10/17/25	0839		GW	1	✓

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

1. RELINQUISHED BY:
Signature [signature]
Printed Name Jordin Hussey
Firm Clear Creek Associates
Date/Time 10/17 1615

2. RECEIVED BY:
Signature
Printed Name
Firm
Date/Time

3. RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time

4. RECEIVED BY:
Signature [signature]
Printed Name
TURNER LABORATORIES, INC.
Firm 10/17 1245
Date/Time

TURNAROUND REQUIREMENTS:
____Standard (approx.10 days)*
____Next day ____2 Day ____5 Day*
____ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
____ I. Routine Report
____ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
____ III. Date Validation Report (Includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ____ Y ____ N
P.O. # ____
Bill to: ____

SAMPLE RECEIPT:
Total Containers 1
Temperature 3.7
☒ Wet Ice ☐ Blue Ice

***LEGEND**
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	☐ Yes	☐ No	Custody Seals	☐	Preservation Confirmation	☐	
ADEQ Forms:	☐ Yes	☐ No	Container Intact	☒	Appropriate Head Space	☒	
Mail ADEQ Forms:	☐ Yes	☐ No	COC/Labels Agree	☒	Received Within Hold Time	☒	

Appendix C

Historical Data

CLEAR CREEK ASSOCIATES

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
ANDERSON 396	613396	3/20/08		7.25	21.1	1176	431
ANDERSON 396	613396	5/5/08		7.03	21.8	1231	452
ANDERSON 396	613396	7/14/08		7.11	21.6	1260	472
ANDERSON 396	613396	10/15/08		7.10	21.3	1252	475
ANDERSON 396	613396	1/27/09		7.27	21.0	965	488
ANDERSON 396	613396	4/14/09		7.12	21.8	1229	534
ANDERSON 396	613396	7/14/09		7.03	22.2	1372	550
ANDERSON 396	613396	10/12/09		6.98	21.5	1375	510
ANDERSON 396	613396	1/27/10		7.93	20.1	1449	523
ANDERSON 396	613396	4/21/10		7.40	20.7	1439	627
ANDERSON 396	613396	7/19/10		6.93	24.1	1420	648
ANDERSON 396	613396	10/19/10		7.03	20.6	1229	416
ANDERSON 396	613396	1/17/11		7.02	20.6	1334	562
ANDERSON 396	613396	4/11/11		6.92	15.1	1485	609
ANDERSON 396	613396	7/14/11		7.23	24.4	1451	678
ANDERSON 396	613396	10/11/11		6.65	21.2	1230	543
ANDERSON 396	613396	2/1/12		7.28	11.8	1360	551
ANDERSON 396	613396	4/25/12		7.10	23.9	1380	657
ANDERSON 396	613396	7/12/12		6.89	24.9	1520	667
ANDERSON 396	613396	10/10/12		7.40	24.0	1414	574
ANDERSON 396	613396	4/7/14		7.06	17.4	1057	175
ANDERSON 396	613396	7/11/14		7.35	21.4	1033	272
ANDERSON 396	613396	10/6/14		7.13	27.5	974	99.0
ANDERSON 396	613396	10/6/14	DUP	7.13	27.5	974	102.0
ANDERSON 458	221458	9/9/12		8.34	25.9	406.3	31
ANDERSON 458	221458	10/10/12		8.13	23.8	412.3	30.3
ANDERSON 458	221458	1/17/13		8.06	23.7	416.0	30.9
ANDERSON 458	221458	4/15/13		8.19	23.5	402.7	32.3
ANDERSON 458	221458	7/18/13		8.18	24.3	401.9	23
ANDERSON 458	221458	10/16/13		8.10	23.8	400.1	25.2
ANDERSON 458	221458	1/9/14		8.15	22.9	399.3	26.2
ANDERSON 458	221458	1/9/14	DUP	8.15	22.9	399.3	26.2
ANDERSON 458	221458	4/7/14		8.16	24.0	401.6	27.5
ANDERSON 458	221458	7/11/14		8.13	24.5	396.7	25.3
ANDERSON 458	221458	10/6/14		8.06	25.6	384.0	26.0
ANDERSON 458	221458	7/22/15		8.17	25.2	397.3	25.3
ANDERSON 458	221458	7/19/16		8.14	23.8	395.2	24.2
ANDERSON 458	221458	7/18/17		8.01	23.9	395.5	26.8
ANDERSON 458	221458	7/18/18		7.88	24.2	397.1	23.4
ANDERSON 458	221458	7/11/19		7.85	24.1	396.2	22.4
ANDERSON 458	221458	7/22/20		8.01	24.6	394.6	24.0
ANDERSON 458	221458	7/27/21		8.03	23.8	396.9	22.2
ANDERSON 458	221458	7/11/22		8.05	26.3	392.6	22.6
ANDERSON 458	221458	7/26/23		8.26	27.0	398.1	21.2
ANDERSON 458	221458	8/13/24		8.18	24.5	402.8	23.4
ANDERSON 458	221458	7/7/25		8.21	25.0	396.4	22.3
AWC-02	616586	1/7/08		ND	ND	ND	14
AWC-02	616586	3/3/08		ND	ND	ND	16
AWC-02	616586	5/5/08		ND	ND	ND	13.3
AWC-02	616586	8/12/08		7.01	22.3	630	14.3
AWC-02	616586	10/23/08		7.31	23.1	464	15.9
AWC-02	616586	3/11/09		7.19	21.8	420	15.5
AWC-02	616586	4/22/09		7.17	22.6	430	14.7
AWC-02	616586	7/22/09		7.24	22.7	444	14.2

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
AWC-02	616586	10/21/09		7.19	21.3	468	16.8
AWC-02	616586	2/3/10		7.44	19.7	449	18.6
AWC-02	616586	4/23/10		7.56	19.7	526	18.3
AWC-02	616586	7/20/10		7.27	23.9	450	18.2
AWC-02	616586	11/4/10		7.72	21.3	465.9	18.8
AWC-02	616586	1/19/11		7.84	19.0	500	18.4
AWC-02	616586	4/7/11		7.27	20.3	488.5	17.3
AWC-02	616586	7/13/11		5.93	23.9	431.5	12.9
AWC-02	616586	10/13/11		6.72	25.1	464.6	17.4
AWC-02	616586	10/13/11	DUP	6.72	25.1	464.6	17.4
AWC-02	616586	2/2/12		7.20	20.8	479.5	19.4
AWC-02	616586	4/24/12		7.23	23.0	430	15.5
AWC-02	616586	7/5/12		7.25	22.1	437.1	10.1
AWC-02	616586	10/18/12		7.48	21.6	473.6	13.0
AWC-02	616586	2/5/13		7.54	19.3	448.9	18.0
AWC-02	616586	4/11/13		7.53	22.1	471.3	17.2
AWC-02	616586	7/25/13		7.35	22.1	460.5	14.7
AWC-02	616586	10/9/13		7.53	21.2	476.4	15.5
AWC-02	616586	1/7/14		7.45	20.3	503.7	18.8
AWC-02	616586	1/7/14	DUP	7.45	20.3	503.7	18.9
AWC-02	616586	5/14/14		7.34	21.0	508.4	19.2
AWC-02	616586	7/16/14		7.54	21.8	499.5	19.2
AWC-02	616586	10/15/14		7.26	23.2	520	18.9
AWC-02	616586	1/29/15		7.44	21.4	511	20.5
AWC-02	616586	7/21/15		7.62	22.5	506.7	19.9
AWC-02	616586	1/13/16		7.63	20.6	411.2	8.27
AWC-02	616586	7/19/16		7.40	22.1	418.7	7.80
AWC-02	616586	1/19/17		7.33	20.5	428.7	9.87
AWC-02	616586	9/6/17		7.4	20.7	423.3	7.65
AWC-02	616586	1/17/18		7.26	20.5	442.6	13.0
AWC-02	616586	7/25/18		7.33	20.5	489.9	16.7
AWC-02	616586	7/25/18	DUP	7.33	20.5	489.9	16.9
AWC-02	616586	1/13/20		7.39	20.6	516.0	20.5
AWC-02	616586	8/13/20		7.29	21.0	519.3	16.3
AWC-02	616586	1/4/21		7.27	20.8	543.6	16.6
AWC-02	616586	7/20/21		7.11	20.1	538.3	18.6
AWC-02	616586	1/31/22		7.20	19.9	552.9	16.0
AWC-02	616586	1/31/22	DUP	7.20	19.9	552.9	16.0
AWC-02	616586	7/18/22		7.43	25.2	505.9	15.4
AWC-02	616586	1/30/23		7.42	19.6	530.6	15.2
AWC-02	616586	8/8/23		7.49	21.2	546.6	20.3
AWC-02	616586	1/22/24		7.38	19.1	563	19.3
AWC-02	616586	8/1/24		7.54	21.0	548.8	18.0
AWC-02	616586	1/29/25		7.31	20.3	548.4	16.3
AWC-02	616586	7/14/25		7.58	21.6	532	19.5
AWC-03	616585	1/7/08		ND	ND	ND	41
AWC-03	616585	3/3/08		ND	ND	ND	38
AWC-03	616585	5/5/08		ND	ND	ND	37.3
AWC-03	616585	8/12/08		7.28	22.4	469	38.8
AWC-03	616585	10/23/08		7.48	21.0	462	41.8
AWC-03	616585	3/11/09		7.25	21.2	445	64.2
AWC-03	616585	4/22/09		7.30	21.4	452	42.4
AWC-03	616585	7/22/09		7.39	22.6	456	41.8
AWC-03	616585	10/21/09		7.48	21.3	540	50.5

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
AWC-03	616585	2/3/10		7.44	19.7	449	42.0
AWC-03	616585	4/23/10		7.57	19.7	468	44.4
AWC-03	616585	7/20/10		7.29	23.8	460	46.7
AWC-03	616585	11/4/10		7.80	20.8	452.3	46.3
AWC-03	616585	1/19/11		7.07	19.6	560	49
AWC-03	616585	4/7/11		7.28	19.9	469.8	46.8
AWC-03	616585	7/13/11		6.33	23.1	458.8	47.6
AWC-03	616585	7/13/11	DUP	6.33	23.1	458.8	46.2
AWC-03	616585	10/13/11		6.69	23.8	463.6	48.8
AWC-03	616585	2/2/12		7.39	20.7	504.8	47.7
AWC-03	616585	4/24/12		7.28	22.1	450	51.8
AWC-03	616585	7/5/12		7.32	21.7	474.3	50.7
AWC-03	616585	10/18/12		7.44	21.3	477.4	51.3
AWC-03	616585	2/5/13		7.73	19.2	481.2	55
AWC-03	616585	4/11/13		7.51	22.2	486.4	66.1
AWC-03	616585	7/16/13		7.61	21.5	489.6	63.6
AWC-03	616585	10/9/13		7.57	20.5	485.8	49.4
AWC-03	616585	10/9/13	DUP	7.57	20.5	485.8	51
AWC-03	616585	1/7/14		7.62	20.4	486.3	56.6
AWC-03	616585	5/14/14		7.64	20.5	493.0	61.1
AWC-03	616585	7/16/14		7.68	21.4	506.9	69.1
AWC-03	616585	10/15/14		7.38	22.2	506.0	63.4
AWC-03	616585	1/29/15		7.59	21.2	495	77.1
AWC-03	616585	7/21/15		7.63	21.6	494	55.5
AWC-03	616585	1/13/16		7.62	19.9	474.1	43.5
AWC-03	616585	7/19/16		7.47	20.9	493.2	54.8
AWC-03	616585	1/19/17		7.41	20.0	480.4	57.1
AWC-03	616585	9/6/17		7.41	20.3	525.5	75.1
AWC-03	616585	1/17/18		7.25	19.9	487.6	57.0
AWC-03	616585	7/25/18		7.36	20.3	504.5	76.3
AWC-03	616585	1/16/19		7.33	20.1	500.8	75.7
AWC-03	616585	7/23/19		7.29	20.0	506.7	68.6
AWC-03	616585	1/13/20		7.64	19.3	513.9	74.4
AWC-03	616585	8/3/20		7.38	20.8	512.7	77.2
AWC-03	616585	1/4/21		7.42	20.7	523.7	73.6
AWC-03	616585	7/20/21		7.24	20.1	518.7	87.2
AWC-03	616585	1/31/22		7.35	19.7	517.8	68.8
AWC-03	616585	7/18/22		7.61	22.5	527.3	74.3
AWC-03	616585	1/30/23		7.50	20.7	519.8	73.9
AWC-03	616585	8/8/23		7.52	20.6	533.5	73.4
AWC-03	616585	1/22/24		7.55	19.5	525	69.5
AWC-03	616585	8/1/24		7.50	20.8	539.5	66.9
AWC-03	616585	1/29/25		7.32	20.3	526.6	69.9
AWC-03	616585	7/14/25		7.56	20.9	543.7	79.4
AWC-04	616584	2/4/08		ND	ND	ND	18
AWC-04	616584	4/7/08		ND	ND	ND	18
AWC-04	616584	6/2/08		ND	ND	ND	14.3
AWC-04	616584	8/12/08		7.08	22.5	458	21.6
AWC-04	616584	10/23/08		6.91	22.2	616	24
AWC-04	616584	3/11/09		7.02	21.3	539	27.2
AWC-04	616584	4/22/09		6.93	22.1	560	26.1
AWC-04	616584	7/22/09		7.13	22.5	587	26.2
AWC-04	616584	10/21/09		7.00	21.2	607	25.7
AWC-04	616584	2/3/10		7.35	19.3	438	16.3

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
AWC-04	616584	4/23/10		7.14	19.2	625	27.4
AWC-04	616584	7/20/10		7.02	24.1	600	26.6
AWC-04	616584	11/4/10		7.41	20.3	593.2	24
AWC-04	616584	1/19/11		8.15	20.5	690	26.2
AWC-04	616584	4/7/11		7.00	20.4	637.2	25.8
AWC-04	616584	7/13/11		6.88	20.4	610.1	25.7
AWC-04	616584	10/13/11		6.38	24.0	619.7	27.6
AWC-04	616584	2/2/12		6.97	20.1	637.6	27.2
AWC-04	616584	4/24/12		7.10	22.1	570	25.2
AWC-04	616584	7/5/12		7.03	21.6	568.0	28.2
AWC-04	616584	7/5/12	DUP	7.03	21.6	568.0	28.1
AWC-04	616584	10/18/12		7.20	20.8	606.7	26.6
AWC-04	616584	2/5/13		7.29	19.7	616.8	26.9
AWC-04	616584	4/11/13		7.38	21.7	595.4	26.2
AWC-04	616584	7/16/13		7.30	21.0	585.7	27.0
AWC-04	616584	10/9/13		7.36	20.4	588.6	24.6
AWC-04	616584	1/7/14		7.36	19.7	651.4	23.7
AWC-04	616584	5/14/14		7.38	19.8	674.2	22.7
AWC-04	616584	7/16/14		7.32	20.7	632.2	24.1
AWC-04	616584	7/16/14	DUP	7.32	20.7	632.2	22.9
AWC-04	616584	10/15/14		7.01	21.9	688	21.4
AWC-04	616584	1/29/15		7.20	21.0	687	22.9
AWC-04	616584	7/21/15		7.38	21.2	619.6	23.2
AWC-04	616584	1/13/16		7.42	19.2	556.6	27.0
AWC-04	616584	7/19/16		7.24	20.6	590.7	31.4
AWC-04	616584	1/19/17		7.06	19.6	658.6	22.9
AWC-04	616584	1/19/17	DUP	7.06	19.6	658.6	23.1
AWC-04	616584	9/6/17		7.17	19.8	571.0	25.8
AWC-04	616584	1/17/18		7.13	19.6	532.6	38.6
AWC-04	616584	7/25/18		6.99	19.3	663.1	24.3
AWC-04	616584	1/16/19		6.99	19.4	706.8	20.7
AWC-04	616584	7/23/19		7.06	19.5	591.8	24.2
AWC-04	616584	1/13/20		7.38	19.5	715.2	22.5
AWC-04	616584	8/3/20		6.92	20.0	731.5	23.2
AWC-04	616584	2/9/21		7.01	19.1	732.1	23.9
AWC-04	616584	2/9/21	DUP	7.01	19.1	732.1	23.3
AWC-04	616584	7/20/21		6.87	19.1	720.7	25.8
AWC-04	616584	1/31/22		6.98	18.9	756.6	24.9
AWC-04	616584	7/18/22		7.15	21.5	684.9	27.3
AWC-04	616584	1/30/23		7.16	20.1	690.6	24.2
AWC-04	616584	8/8/23		7.24	20.1	703.4	24.4
AWC-04	616584	1/22/24		7.13	18.5	755	22.8
AWC-04	616584	8/1/24		7.11	20.1	742.7	20.8
AWC-04	616584	1/29/25		7.05	19.1	930.1	23.1
AWC-04	616584	7/14/25		7.19	20.4	656	23.6
AWC-05	590620	2/4/08		ND	ND	ND	13
AWC-05	590620	4/7/08		ND	ND	ND	14
AWC-05	590620	6/2/08		ND	ND	ND	14.3
AWC-05	590620	8/12/08		6.74	23.3	425	14.9
AWC-05	590620	10/23/08		7.45	21.0	422	15.4
AWC-05	590620	3/11/09		7.31	22.1	398	16.5
AWC-05	590620	6/3/09		7.33	22.0	418	12.1
AWC-05	590620	7/22/09		7.49	24.4	423	14.1
AWC-05	590620	10/21/09		7.37	21.1	433	16.5

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
AWC-05	590620	2/3/10		7.35	19.3	438	16.3
AWC-05	590620	4/23/10		7.62	18.9	443	17.6
AWC-05	590620	7/20/10		7.62	24.2	440	19.1
AWC-05	590620	11/4/10		7.92	20.7	427.1	18.4
AWC-05	590620	1/19/11		7.64	20.3	420	17
AWC-05	590620	4/7/11		7.22	20.8	438.3	17.6
AWC-05	590620	7/13/11		6.52	22.9	419.8	17.9
AWC-05	590620	10/13/11		6.82	26.0	427.5	19
AWC-05	590620	2/2/12		7.35	21.4	427.9	19.5
AWC-05	590620	4/24/12		7.18	21.4	430	15.4
AWC-05	590620	7/5/12		7.24	22.6	432.1	19.1
AWC-05	590620	10/18/12		7.66	22.6	436.1	20.1
AWC-05	590620	2/5/13		7.57	20.2	437.7	20.1
AWC-05	590620	4/11/13		7.54	21.2	444.5	20.3
AWC-05	590620	7/16/13		7.56	21.3	454.5	18.0
AWC-05	590620	7/16/13	DUP	7.56	21.3	454.5	17.7
AWC-05	590620	10/9/13		7.58	21.3	455.3	15.4
AWC-05	590620	5/14/14		7.54	21.2	442.3	19.8
AWC-05	590620	7/16/14		7.60	22.6	470.9	20.3
AWC-05	590620	10/15/14		7.38	23	452	20.8
AWC-05	590620	1/29/15		7.64	19.6	443	18.0
AWC-05	590620	7/21/15		7.67	21.9	457.9	17.0
AWC-05	590620	1/13/16		7.69	19.9	444.4	14.4
AWC-05	590620	7/19/16		7.40	22.2	443.1	20.7
AWC-05	590620	1/19/17		7.45	21.4	436.7	21.9
AWC-05	590620	9/6/17		7.38	20.9	447.4	19.7
AWC-05	590620	9/6/17	DUP	7.38	20.9	447.4	20.5
AWC-05	590620	1/17/18		7.34	20.5	437.0	20.2
AWC-05	590620	7/25/18		7.35	20.4	456.9	17.9
AWC-05	590620	1/16/19		7.39	21.0	441.6	19.3
AWC-05	590620	1/13/20		7.81	18.8	448.2	20.2
AWC-05	590620	8/3/20		7.41	21.6	446.8	19.4
AWC-05	590620	1/4/21		7.41	21.2	456.6	18.7
AWC-05	590620	1/4/21	DUP	7.41	21.2	456.6	18.4
AWC-05	590620	7/20/21		7.28	20.6	448.6	23.3
AWC-05	590620	1/31/22		7.45	20.7	445.9	18.4
AWC-05	590620	7/18/22		7.57	23.4	448.9	23.2
AWC-05	590620	2/16/23		7.54	21.0	433.0	17.2
AWC-05	590620	8/8/23		7.63	21.9	438.5	23.6
AWC-05	590620	1/22/24		7.57	20.5	458	23.2
AWC-05	590620	8/1/24		7.63	21.8	449.8	23.3
AWC-05	590620	1/29/25		7.34	20.5	457.4	18.0
AWC-05	590620	7/14/25		7.42	21.1	462	21.5
BANKS 986	647986	2/27/08		7.53	21.8	980	44
BANKS 986	647986	5/12/08		7.40	22.1	1021	65.2
BANKS 986	647986	7/21/08		7.43	22.9	1034	82.2
BANKS 986	647986	10/13/08		7.28	21.7	980	53
BANKS 986	647986	1/21/09		7.66	21.6	872	164
BANKS 986	647986	4/8/09		7.56	22.7	933	47
BANKS 986	647986	7/9/09		7.59	23.1	871	70.9
BANKS 986	647986	10/7/09		7.50	22.2	838	67.7
BANKS 986	647986	2/25/10		7.56	21.1	1020	50.5
BANKS 986	647986	4/20/10		7.71	22.8	1013	53.9
BANKS 986	647986	7/20/10		7.70	23.2	828.3	71.5

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
BANKS 986	647986	10/20/10		7.60	22.4	948.7	73.4
BANKS 986	647986	1/17/11		7.73	20.6	1038	53.5
BANKS 986	647986	4/5/11		7.66	21.5	965.0	64.5
BANKS 986	647986	7/11/11		7.72	25.4	890.0	68.8
BANKS 986	647986	10/12/11		7.88	21.2	1551	172
BANKS 986	647986	1/31/12		7.69	20.2	1017	64.3
BANKS 986	647986	1/31/12	DUP	7.69	20.2	1017	64.9
BANKS 986	647986	4/11/12		7.77	22.0	1025	64.0
BANKS 986	647986	7/6/12		7.66	23.7	940	78.6
BANKS 986	647986	7/6/12	DUP	7.66	23.7	940	77.9
BANKS 986	647986	10/4/12		7.73	22.0	845.4	62.6
BANKS 986	647986	1/18/13		7.82	21.9	832.4	70.5
BANKS 986	647986	4/8/13		7.87	20.7	861.7	62.9
BANKS 986	647986	7/9/13		8.04	22.9	769.1	67.9
BANKS 986	647986	10/15/13		7.59	21.7	1158	79.6
BANKS 986	647986	1/14/14		7.77	20.9	967.4	75.2
BANKS 986	647986	4/8/14		7.47	21.4	1337	113
BANKS 986	647986	7/8/14		7.58	22.3	1175	107
BANKS 986	647986	7/8/14	DUP	7.58	22.3	1175	110
BANKS 986	647986	10/21/14		7.37	22.7	1158	91.3
BANKS 986	647986	7/24/15		7.67	22.6	1002	76.3
BANKS 986	647986	7/12/16		7.59	22.2	1029	68.7
BANKS 986	647986	7/26/17		7.45	20.9	1012	88.6
BANKS 986	647986	7/30/18		7.40	21.0	987.6	66.6
BANKS 986	647986	7/11/19		7.27	22.2	933.8	67.6
BANKS 986	647986	8/13/20		7.34	21.8	931.5	66.1
BANKS 986	647986	7/20/21		7.42	21.6	990.8	69.6
BANKS 986	647986	7/11/22		7.49	21.0	920.7	61.0
BANKS 986	647986	7/25/23		7.60	22.1	957.8	65.0
BANKS 986	647986	8/9/24		7.61	22.4	1058	50.6
BANKS 986	647986	7/9/25		7.49	22.6	1052	52.3
BF-01	539783	5/23/08		6.41	18.3	2698	1450
BF-01	539783	8/5/08		6.11	22.4	3095	1330
BF-01	539783	11/5/08		6.33	19.9	3027	1490
BF-01	539783	2/20/09		6.42	19.2	1477	1330
BF-01	539783	5/6/09		5.98	23.9	2632	1280
BF-01	539783	8/17/09		6.21	29.7	2948	1250
BF-01	539783	11/4/09		6.24	23.0	2846	1280
BF-01	539783	3/1/10		6.34	21.1	2945	1260
BF-01	539783	4/7/10		5.83	20.4	1853	1450
BF-01	539783	7/6/10		5.93	22.6	1403	1310
BF-01	539783	7/13/11		6.26	21.3	2960	1350
BF-01	539783	2/1/12		6.18	19.8	2910	1480
BF-01	539783	8/14/12		6.00	21.5	3000	1500
BIMA	577927	2/6/08		6.69	22.2	1335	210
BIMA	577927	4/25/08		6.37	23.1	1521	190
BIMA	577927	5/13/08		6.58	22.7	1489	195
BIMA	577927	6/23/08		6.30	23.3	1572	225
BIMA	577927	6/23/08	DUP	6.30	23.3	1572	196
BIMA	577927	7/29/08		6.44	23.0	1647	204
BIMA	577927	8/28/08		M	23.0	1776	256
BIMA	577927	9/23/08		6.29	23.0	1741	296
BIMA	577927	10/22/08		6.41	22.3	1801	285
BIMA	577927	1/20/09		6.40	21.7	1233	190

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
BIMA	577927	1/20/09	DUP	6.40	21.7	1233	200
BIMA	577927	4/7/09		6.45	23.4	1436	212
BIMA	577927	7/8/09		6.31	23.4	1483	189
BIMA	577927	10/5/09		6.34	22.7	1525	233
BIMA	577927	1/20/10		6.88	17.0	M	222
BIMA	577927	4/19/10		6.70	21.9	1533	256
BIMA	577927	7/12/10		6.70	24.0	1577	273
BIMA	577927	10/18/10		6.47	24.3	1702	296
BIMA	577927	1/19/11		6.65	21.2	1672	283
BIMA	577927	4/4/11		6.61	24.0	1643	282
BIMA	577927	8/25/11		6.27	25.9	1460	300
BIMA	577927	10/10/11		6.5	24.1	1520	322
BIMA	577927	2/3/12		6.48	18.5	1540	312
BIMA	577927	4/23/12		6.57	23.9	1790	303
BIMA	577927	7/10/12		6.06	23.7	1200	301
BIMA	577927	11/29/12		6.51	20.6	1664	310
BIMA	577927	3/13/13		7.29	19.8	1175	317
BIMA	577927	4/10/13		6.64	13.9	1569	308
BIMA	577927	7/8/13		6.62	28.0	1580	301
BIMA	577927	10/11/13		6.57	21.8	1749	301
BIMA	577927	1/10/14		6.63	10.7	1664	297
BIMA	577927	4/10/14		6.62	15.8	1685	300
BIMA	577927	7/8/14		6.56	21.6	1653	297
BIMA	577927	10/23/14		6.25	23.9	1704	227
BIMA	577927	7/23/15		6.87	26.2	1627	271
BIMA	577927	7/15/16		6.90	28.7	1602	271
BIMA	577927	7/27/17		6.84	25.4	1553	304
BIMA	577927	7/11/19		6.75	28.2	1514	240
BIMA	577927	7/20/21		6.93	24.5	1396	200
BIMA	577927	7/10/25		6.45	23.5	1589	256
BLOMMER	633472	2/5/08		7.43	20.2	714	206
BLOMMER	633472	4/21/08		7.06	21.9	753	201
BLOMMER	633472	5/15/08		7.16	22.2	845	211
BLOMMER	633472	6/23/08		6.93	21.5	903	193
BLOMMER	633472	7/29/08		7.21	22.2	921	203
BLOMMER	633472	8/27/08		7.12	22.1	864	189
BLOMMER	633472	9/23/08		7.16	22.3	818	193
BLOMMER	633472	10/22/08		7.17	21.3	873	200
BMO-2008-1G	909474	8/27/08		7.09	24.2	808	107
BMO-2008-1G	909474	11/11/08		7.00	20.8	721	143
BMO-2008-1G	909474	2/25/09		7.01	22.0	860	109
BMO-2008-1G	909474	4/28/09		7.04	22.2	762	198
BMO-2008-1G	909474	8/4/09		7.23	22.8	950	104
BMO-2008-1G	909474	10/27/09		7.11	21.9	922	103
BMO-2008-1G	909474	2/17/10		7.36	20.5	899.3	98.4
BMO-2008-1G	909474	4/15/10		7.04	22.2	711	95.2
BMO-2008-1G	909474	7/7/10		6.91	21.5	640	88.1
BMO-2008-1G	909474	7/7/10	DUP	6.91	21.5	640	87.1
BMO-2008-1G	909474	2/10/11		6.80	21.0	916	105
BMO-2008-1G	909474	7/12/11		7.2	26.6	1015	121
BMO-2008-1G	909474	2/8/12		7.02	20.2	869	116
BMO-2008-1G	909474	8/14/12		6.97	21.9	959	120
BMO-2008-1G	909474	2/14/13		7.09	21.2	986	112
BMO-2008-1G	909474	8/14/13		6.96	21.6	1009	120

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
BMO-2008-1G	909474	2/13/14		6.76	21.1	1010	114
BMO-2008-1G	909474	7/22/14		6.87	22.0	1010	117
BMO-2008-1G	909474	2/4/15		7.35	22.1	942	116
BMO-2008-1G	909474	9/10/15		7.21	21.8	953	109
BMO-2008-1G	909474	3/3/16		7.16	22.1	950	108
BMO-2008-1G	909474	8/17/16		7.05	22.2	986	121
BMO-2008-1G	909474	3/1/17		6.99	22.1	923	110
BMO-2008-1G	909474	7/24/17		7.11	22.2	925	112
BMO-2008-1G	909474	2/14/18		7.08	20.9	924	112
BMO-2008-1G	909474	7/10/18		7.24	22.2	920	115
BMO-2008-1G	909474	2/5/19		7.15	21.4	920	99.5
BMO-2008-1G	909474	7/31/19		7.15	22.2	907	100
BMO-2008-1G	909474	2/5/20		7.19	21.7	914	105
BMO-2008-1G	909474	8/12/20		7.26	22.1	897	93.2
BMO-2008-1G	909474	2/2/21		7.21	21.3	878	92.6
BMO-2008-1G	909474	7/14/21		7.18	21.9	875	91.7
BMO-2008-1G	909474	1/31/22		7.03	19	865	96.7
BMO-2008-1G	909474	7/14/22		7.11	21.9	887	96.5
BMO-2008-1G	909474	2/28/23		6.96	21.2	872	90.2
BMO-2008-1G	909474	8/1/23		7.14	21.7	1013	94.0
BMO-2008-1G	909474	3/12/24		7.26	21.2	830	94.7
BMO-2008-1G	909474	7/10/24		7.34	21.4	1133	93.6
BMO-2008-1G	909474	1/27/25		7.20	20.9	1058	97.4
BMO-2008-1G	909474	7/10/25		7.21	21.7	1175	104
BMO-2008-3B	909147	7/18/08		7.35	23.9	615	106
BMO-2008-3B	909147	11/4/08		7.36	21.4	599	179
BMO-2008-3B	909147	11/4/08	DUP	7.36	21.4	599	177
BMO-2008-3B	909147	2/19/09		7.24	21.4	664	155
BMO-2008-3B	909147	5/11/09		7.23	22.1	631	149
BMO-2008-3B	909147	8/6/09		7.33	21.4	718	151
BMO-2008-3B	909147	8/6/09	DUP	7.33	21.4	718	156
BMO-2008-3B	909147	10/26/09		7.32	21.8	684	153
BMO-2008-3B	909147	3/3/10		7.38	21.4	695	164
BMO-2008-3B	909147	4/8/10		6.47	21.3	585	162
BMO-2008-3B	909147	7/1/10		6.92	21.4	541	157
BMO-2008-3B	909147	2/14/11		6.98	20.6	698	169
BMO-2008-3B	909147	7/12/11		7.04	21.4	672	148
BMO-2008-3B	909147	2/23/12		6.92	21.0	695	173
BMO-2008-3B	909147	7/10/12		7.02	21.5	651	150
BMO-2008-3B	909147	2/15/13		6.63	20.4	692	163
BMO-2008-3B	909147	8/27/13		7.1	21.1	725	170
BMO-2008-3B	909147	2/11/14		7.01	20.7	729	162
BMO-2008-3B	909147	7/21/14		6.98	21.0	706	163
BMO-2008-3B	909147	2/5/15		7.11	21.2	652	145
BMO-2008-3B	909147	9/14/15		7.29	21.7	638	133
BMO-2008-3B	909147	3/3/16		7.29	21.8	637	136
BMO-2008-3B	909147	8/18/16		7.18	21.4	637	139
BMO-2008-3B	909147	3/1/17		6.99	21.0	618	135
BMO-2008-3B	909147	7/26/17		7.17	21.5	648	147
BMO-2008-3B	909147	2/8/18		7.46	21.0	653	150
BMO-2008-3B	909147	7/10/18		7.35	21.9	663	154
BMO-2008-3B	909147	2/5/19		7.41	21.2	703	169
BMO-2008-3B	909147	2/5/19	DUP	7.41	21.2	703	173
BMO-2008-3B	909147	8/6/19		7.29	22.2	727	165

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
BMO-2008-3B	909147	2/6/20		7.57	21.0	655	150
BMO-2008-3B	909147	8/12/20		7.39	21.6	647	132
BMO-2008-3B	909147	2/2/21		7.38	21.8	644	130
BMO-2008-3B	909147	7/27/21		7.29	21.6	670	147
BMO-2008-3B	909147	1/31/22		7.26	20.3	672	150
BMO-2008-3B	909147	8/1/22		7.30	21.9	735	181
BMO-2008-3B	909147	3/1/23		7.17	21.2	760	200
BMO-2008-3B	909147	8/29/23		7.39	21.3	814	209
BMO-2008-3B	909147	3/13/24		7.29	20.6	712	186
BMO-2008-3B	909147	7/31/24		7.37	21.7	959	206
BMO-2008-3B	909147	2/18/25		7.27	20.9	882	165
BMO-2008-3B	909147	8/6/25		7.36	21.4	842	189
BMO-2008-4B	910096	12/11/08		7.34	22.8	374	9.4
BMO-2008-4B	910096	2/18/09		7.17	23.2	370	13.4
BMO-2008-4B	910096	4/30/09		7.33	24.5	376	11.4
BMO-2008-4B	910096	4/30/09	DUP	7.33	24.5	376	11.8
BMO-2008-4B	910096	8/6/09		7.53	24.6	397	11.5
BMO-2008-4B	910096	10/27/09		7.53	23.7	379	11.2
BMO-2008-4B	910096	2/24/10		7.48	21.8	362	9.7
BMO-2008-4B	910096	4/16/10		7.70	23.4	330	9.73
BMO-2008-4B	910096	7/2/10		7.25	23.6	323	10.10
BMO-2008-4B	910096	2/15/11		7.65	22.2	362	8.90
BMO-2008-4B	910096	7/22/11		7.33	23.7	371	10.2
BMO-2008-4B	910096	2/23/12		7.21	22.3	354	10.5
BMO-2008-4B	910096	8/15/12		6.96	23.6	380	9.5
BMO-2008-4B	910096	1/15/13		7.63	22.7	370.2	10.3
BMO-2008-4B	910096	1/15/13	DUP	7.63	22.7	370.2	9.5
BMO-2008-4B	910096	4/15/13		7.75	23.0	368.2	11.2
BMO-2008-4B	910096	9/18/13		7.69	23.4	384.6	9.8
BMO-2008-4B	910096	1/9/14		7.81	22.2	371.4	11.1
BMO-2008-4B	910096	7/18/14		7.78	23.3	379.1	11.6
BMO-2008-4B	910096	9/30/17		7.43	22.6	392.5	9.88
BMO-2008-4B	910096	7/26/18		7.43	22.6	386.1	10.9
BMO-2008-4B	910096	7/22/19		7.53	22.8	377.1	11.2
BMO-2008-4B	910096	7/22/19	DUP	7.53	22.8	377.1	11.2
BMO-2008-4B	910096	8/11/20		7.50	23.5	372.9	10.7
BMO-2008-4B	910096	7/22/21		7.53	22.7	378.1	12.0
BMO-2008-4B	910096	8/1/22		7.61	23.2	381.2	17.0
BMO-2008-5B	909653	9/30/08		7.08	22.0	688	193
BMO-2008-5B	909653	2/18/09		7.03	21.5	691	192
BMO-2008-5B	909653	4/27/09		7.32	22.1	605	177
BMO-2008-5B	909653	8/4/09		7.35	22.3	724	174
BMO-2008-5B	909653	10/29/09		7.29	21.8	731	181
BMO-2008-5B	909653	10/29/09	DUP	7.29	21.8	731	185
BMO-2008-5B	909653	2/15/10		7.22	21.7	720	185
BMO-2008-5B	909653	4/15/10		7.21	23.0	571	194
BMO-2008-5B	909653	7/7/10		6.94	22.2	551	183
BMO-2008-5B	909653	10/5/10		6.85	22.3	722	201
BMO-2008-5B	909653	2/14/11		6.90	21.8	725	203
BMO-2008-5B	909653	5/12/11		7.06	21.5	722	195
BMO-2008-5B	909653	7/13/11		6.99	22.0	712	200
BMO-2008-5B	909653	12/7/11		6.95	19.9	730	213
BMO-2008-5B	909653	2/3/12		7.16	20.2	726	215
BMO-2008-5B	909653	4/18/12		6.96	21.7	712	192

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
BMO-2008-5B	909653	7/10/12		6.87	21.5	726	218
BMO-2008-5B	909653	10/16/12		6.69	21.4	712	207
BMO-2008-5B	909653	2/7/13		7.40	21.4	771.4	229
BMO-2008-5B	909653	2/12/13		6.49	20.7	752	227
BMO-2008-5B	909653	5/15/13		7.01	21.8	742	220
BMO-2008-5B	909653	8/20/13		7.00	21.7	792	226
BMO-2008-5B	909653	11/1/13		6.92	21.5	792	233
BMO-2008-5B	909653	2/11/14		6.88	21.5	804	230
BMO-2008-5B	909653	5/7/14		6.87	21.5	800	228
BMO-2008-5B	909653	8/19/14		6.99	21.6	795	221
BMO-2008-5B	909653	11/13/14		6.92	21.9	755	228
BMO-2008-5B	909653	2/3/15		7.05	21.8	755	227
BMO-2008-5B	909653	9/8/15		7.16	22.3	764	236
BMO-2008-5B	909653	3/14/16		7.06	21.5	774	237
BMO-2008-5B	909653	9/14/16		7.22	21.8	771	240
BMO-2008-5B	909653	3/1/17		7.07	21.5	756	243
BMO-2008-5B	909653	8/1/17		7.05	22	779	245
BMO-2008-5B	909653	2/8/18		7.28	21.4	798	267
BMO-2008-5B	909653	3/8/18		7.3	21.4	792	246
BMO-2008-5B	909653	3/8/18	DUP	7.3	21.4	792	246
BMO-2008-5B	909653	4/11/18		7.25	21.4	814	240
BMO-2008-5B	909653	5/29/18		7.31	22.1	811	262
BMO-2008-5B	909653	6/19/18		7.26	22.3	817	252
BMO-2008-5B	909653	7/25/18		7.02	23.0	794	250
BMO-2008-5B	909653	2/4/19		7.06	21.6	802	238
BMO-2008-5B	909653	8/7/19		7.09	22.3	814	239
BMO-2008-5B	909653	2/6/20		7.12	21.5	812	258
BMO-2008-5B	909653	8/11/20		7.07	23.0	785	240
BMO-2008-5B	909653	2/2/21		7.04	21.8	818	246
BMO-2008-5B	909653	7/12/21		7.12	22.2	849	257
BMO-2008-5B	909653	1/31/22		6.96	22.2	858	280
BMO-2008-5B	909653	7/11/22		6.92	22.2	844	288
BMO-2008-5B	909653	2/27/23		6.96	21.5	875	268
BMO-2008-5B	909653	7/31/23		7.21	21.6	986	275
BMO-2008-5B	909653	3/13/24		7.25	21.4	865	285
BMO-2008-5B	909653	7/15/24		7.05	22.8	1146	273
BMO-2008-5B	909653	2/17/25		7.21	21.2	1045	290
BMO-2008-5B	909653	8/4/25		7.07	21.9	1088	271
BMO-2008-5B	909653	8/4/25	DUP	7.07	21.9	1088	266
BMO-2008-5M	909552	10/2/08		7.13	23.6	551	107
BMO-2008-5M	909552	2/18/09		7.06	22.5	562	122
BMO-2008-5M	909552	4/27/09		7.50	22.9	501	111
BMO-2008-5M	909552	8/4/09		7.53	23.1	605	122
BMO-2008-5M	909552	10/29/09		7.35	22.4	610	123
BMO-2008-5M	909552	2/15/10		7.31	22.5	581	123
BMO-2008-5M	909552	4/16/10		7.28	22.6	509	125
BMO-2008-5M	909552	4/16/10	DUP	7.28	22.6	509	124
BMO-2008-5M	909552	7/7/10		7.02	23.5	482	123
BMO-2008-5M	909552	10/5/10		6.81	22.5	602	127
BMO-2008-5M	909552	2/14/11		6.95	22.2	591	124
BMO-2008-5M	909552	5/12/11		7.16	23.0	558	119
BMO-2008-5M	909552	7/12/11		7.22	22.7	590	126
BMO-2008-5M	909552	12/7/11		7.1	21.2	601	129
BMO-2008-5M	909552	2/3/12		6.99	21.5	589	130

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
BMO-2008-5M	909552	4/18/12		6.71	22.4	587	120
BMO-2008-5M	909552	7/10/12		6.82	22.4	592	135
BMO-2008-5M	909552	10/16/12		6.86	21.9	591	134
BMO-2008-5M	909552	2/12/13		6.65	21.6	610	139
BMO-2008-5M	909552	5/15/13		6.73	22.4	603	135
BMO-2008-5M	909552	8/20/13		7.18	22.5	640	138
BMO-2008-5M	909552	11/1/13		7.07	22.0	641	142
BMO-2008-5M	909552	2/11/14		6.84	22.1	646	138
BMO-2008-5M	909552	5/7/14		6.85	22.1	648	140
BMO-2008-5M	909552	8/19/14		6.97	22.1	645	143
BMO-2008-5M	909552	11/13/14		7.18	22.6	612	139
BMO-2008-5M	909552	2/3/15		7.26	22.5	612	143
BMO-2008-5M	909552	9/8/15		7.19	23.1	615	146
BMO-2008-5M	909552	3/14/16		7.26	22.5	618	142
BMO-2008-5M	909552	9/14/16		7.12	22.5	623	153
BMO-2008-5M	909552	3/1/17		6.97	22.4	621	157
BMO-2008-5M	909552	8/1/17		7.11	22.8	636	159
BMO-2008-5M	909552	2/8/18		7.26	22.4	646	168
BMO-2008-5M	909552	7/25/18		7.22	23.2	651	161
BMO-2008-5M	909552	2/4/19		7.40	22.1	654	155
BMO-2008-5M	909552	8/7/19		7.32	23.0	659	152
BMO-2008-5M	909552	2/6/20		7.32	22.2	662	169
BMO-2008-5M	909552	8/11/20		7.23	22.8	668	156
BMO-2008-5M	909552	2/2/21		7.17	22.6	672	164
BMO-2008-5M	909552	7/12/21		7.41	22.9	676	171
BMO-2008-5M	909552	1/31/22		7.13	22.8	699	184
BMO-2008-5M	909552	7/11/22		7.23	22.8	693	178
BMO-2008-5M	909552	2/27/23		7.12	22.3	702	173
BMO-2008-5M	909552	7/31/23		7.26	22.5	789	178
BMO-2008-5M	909552	3/13/24		7.32	22.3	716	188
BMO-2008-5M	909552	7/15/24		7.20	22.5	921	179
BMO-2008-5M	909552	2/17/25		7.19	22.1	894	187
BMO-2008-5M	909552	8/4/25		7.11	22.5	882	178
BMO-2008-6B	909146	7/16/08		7.36	24.1	475	53.3
BMO-2008-6B	909146	11/4/08		7.41	21.5	398	60.3
BMO-2008-6B	909146	2/19/09		7.23	21.1	444	54.3
BMO-2008-6B	909146	4/27/09		7.55	21.7	389	52.7
BMO-2008-6B	909146	8/4/09		7.48	23.4	470	48.5
BMO-2008-6B	909146	10/26/09		7.29	22.5	448	48.7
BMO-2008-6B	909146	2/15/10		7.53	21.2	391	33.5
BMO-2008-6B	909146	4/15/10		7.47	21.0	362	37.0
BMO-2008-6B	909146	7/1/10		7.24	22.2	361	40.1
BMO-2008-6B	909146	10/5/10		7.05	21.0	407	37.2
BMO-2008-6B	909146	2/14/11		7.27	21.8	397	40.2
BMO-2008-6B	909146	5/12/11		7.32	21.5	380	35.0
BMO-2008-6B	909146	7/12/11		7.27	21.1	390	37.8
BMO-2008-6B	909146	12/7/11		7.28	20.8	330	21.8
BMO-2008-6B	909146	2/3/12		7.28	20.1	346	23.0
BMO-2008-6B	909146	4/18/12		7.25	21.4	336	19.7
BMO-2008-6B	909146	7/10/12		6.86	21.2	328	21.9
BMO-2008-6B	909146	10/16/12		6.79	21.5	342	19.9
BMO-2008-6B	909146	2/12/13		6.87	20.7	339	16.2
BMO-2008-6B	909146	5/15/13		6.87	21.2	297	12.7
BMO-2008-6B	909146	8/20/13		7.36	21.5	310	10.6

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
BMO-2008-6B	909146	11/1/13		7.04	21.0	340	13.9
BMO-2008-6B	909146	2/11/14		7.38	21.6	290	20.1
BMO-2008-6B	909146	5/7/14		7.48	21.1	297	13.6
BMO-2008-6B	909146	8/19/14		7.08	21.6	298	13.4
BMO-2008-6B	909146	11/13/14		7.23	21.6	305	14.9
BMO-2008-6B	909146	2/3/15		7.24	20.6	272	12.1
BMO-2008-6B	909146	9/8/15		7.26	22.2	282	11.8
BMO-2008-6B	909146	3/14/16		7.47	21.9	267	12.4
BMO-2008-6B	909146	9/14/16		7.46	21.8	301	12.6
BMO-2008-6B	909146	3/1/17		7.37	21.4	271	12.1
BMO-2008-6B	909146	7/10/17		7.52	22.1	291	11.7
BMO-2008-6B	909146	2/8/18		7.26	20.9	284	13.3
BMO-2008-6B	909146	7/10/18		7.78	22.2	296	18.2
BMO-2008-6B	909146	2/4/19		7.38	21.6	280	10.7
BMO-2008-6B	909146	8/6/19		7.64	22.1	237	8.00
BMO-2008-6B	909146	2/3/20		7.25	21.3	264	8.60
BMO-2008-6B	909146	7/22/20		7.12	21.9	258	6.88
BMO-2008-6B	909146	2/2/21		7.39	21.6	264	<15.0
BMO-2008-6B	909146	7/12/21		7.22	22.0	282	7.55
BMO-2008-6B	909146	1/31/22		7.11	21.8	292	8.90
BMO-2008-6B	909146	7/11/22		7.09	22.2	290	10.20
BMO-2008-6B	909146	2/27/23		7.08	22.1	278	7.05
BMO-2008-6B	909146	7/31/23		7.54	21.5	312	6.51
BMO-2008-6B	909146	3/13/24		7.26	20.9	293	7.39
BMO-2008-6B	909146	7/15/24		7.24	22.0	362	5.63
BMO-2008-6B	909146	2/17/25		7.20	21.0	357	5.05
BMO-2008-6B	909146	8/4/25		7.20	22.2	362	3.03
BMO-2008-6M	909019	7/10/08		M	22.1	702	182
BMO-2008-6M	909019	11/4/08		7.33	21.8	621	199
BMO-2008-6M	909019	2/20/09		7.11	22.0	702	193
BMO-2008-6M	909019	4/28/09		7.34	22.4	595	119
BMO-2008-6M	909019	8/4/09		7.40	23.3	750	189
BMO-2008-6M	909019	10/26/09		7.18	22.4	727	187
BMO-2008-6M	909019	2/15/10		7.29	20.8	733	193
BMO-2008-6M	909019	4/15/10		7.36	20.2	619	208
BMO-2008-6M	909019	7/1/10		7.15	22.0	571	198
BMO-2008-6M	909019	10/5/10		6.87	21.3	720	202
BMO-2008-6M	909019	2/14/11		6.80	21.3	731	202
BMO-2008-6M	909019	5/12/11		7.12	21.9	709	189
BMO-2008-6M	909019	7/12/11		7.06	21.8	709	194
BMO-2008-6M	909019	12/7/11		6.94	21.3	710	200
BMO-2008-6M	909019	2/3/12		7.03	21.2	720	206
BMO-2008-6M	909019	4/18/12		7.01	21.4	701	188
BMO-2008-6M	909019	7/10/12		6.67	21.4	702	208
BMO-2008-6M	909019	10/16/12		6.89	21.8	708	207
BMO-2008-6M	909019	2/12/13		6.71	20.5	740	204
BMO-2008-6M	909019	5/8/13		7.01	21.9	726	212
BMO-2008-6M	909019	8/20/13		6.99	21.7	772	213
BMO-2008-6M	909019	11/1/13		6.83	21.5	773	223
BMO-2008-6M	909019	2/11/14		6.81	21.8	786	217
BMO-2008-6M	909019	5/7/14		6.77	21.3	788	220
BMO-2008-6M	909019	8/19/14		6.9	21.9	774	210
BMO-2008-6M	909019	11/13/14		7.14	22.0	740	218
BMO-2008-6M	909019	2/3/15		7.20	21.9	741	216

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
BMO-2008-6M	909019	9/8/15		7.09	23.0	750	222
BMO-2008-6M	909019	3/14/16		7.16	22.1	768	229
BMO-2008-6M	909019	9/14/16		7.06	22.2	760	229
BMO-2008-6M	909019	3/1/17		6.92	21.9	745	237
BMO-2008-6M	909019	7/10/17		7.04	22.6	742	218
BMO-2008-6M	909019	2/8/18		7.3	21.8	775	244
BMO-2008-6M	909019	7/10/18		7.26	22.1	761	234
BMO-2008-6M	909019	2/4/19		7.35	22.0	753	209
BMO-2008-6M	909019	8/6/19		7.18	22.4	755	199
BMO-2008-6M	909019	2/3/20		7.25	21.8	751	216
BMO-2008-6M	909019	7/22/20		7.22	22.1	752	206
BMO-2008-6M	909019	2/2/21		7.16	22.0	740	199
BMO-2008-6M	909019	7/12/21		7.16	22.2	740	204
BMO-2008-6M	909019	1/31/22		7.05	22.5	748	208
BMO-2008-6M	909019	7/11/22		7.09	22.5	754	207
BMO-2008-6M	909019	2/27/23		7.10	22.2	741	196
BMO-2008-6M	909019	7/31/23		7.33	22.0	828	196
BMO-2008-6M	909019	3/13/24		7.34	21.7	720	196
BMO-2008-6M	909019	7/15/24		7.27	22.1	932	184
BMO-2008-6M	909019	2/17/25		7.21	21.6	884	193
BMO-2008-6M	909019	8/4/25		7.16	22.0	875	170
BMO-2008-7M	908794	7/14/08		7.63	25.2	500	31.4
BMO-2008-7M	908794	11/6/08		7.53	22.6	380	34.5
BMO-2008-7M	908794	2/18/09		7.31	23.3	452	27.6
BMO-2008-7M	908794	5/11/09		7.43	24.4	426	26.0
BMO-2008-7M	908794	8/6/09		7.81	24.1	486	25.1
BMO-2008-7M	908794	10/27/09		7.53	23.0	470	26.1
BMO-2008-7M	908794	2/17/10		7.57	23.4	452	25.4
BMO-2008-7M	908794	2/17/10	DUP	7.57	23.4	452	25.0
BMO-2008-7M	908794	4/15/10		7.52	23.2	415	26.0
BMO-2008-7M	908794	7/6/10		7.28	23.5	391	22.8
BMO-2008-7M	908794	2/14/11		7.18	22.0	465	27.5
BMO-2008-7M	908794	2/14/11	DUP	7.18	22.0	465	26.4
BMO-2008-7M	908794	7/15/11		7.1	22.8	466	26.5
BMO-2008-7M	908794	1/30/12		7.16	22.0	454	26.4
BMO-2008-7M	908794	7/11/12		7.18	22.7	455	28.1
BMO-2008-7M	908794	2/15/13		7.23	21.8	471	25.8
BMO-2008-7M	908794	8/28/13		7.15	22.9	494	27.7
BMO-2008-7M	908794	8/28/13	DUP	7.15	22.9	494	27.8
BMO-2008-7M	908794	2/13/14		7.09	22.6	494	27.8
BMO-2008-7M	908794	7/22/14		7.13	23.2	488	27.3
BMO-2008-7M	908794	9/14/15		7.51	23.4	469	30.6
BMO-2008-7M	908794	8/18/16		7.43	23.3	457	30.0
BMO-2008-7M	908794	7/10/17		7.36	23.5	464	33.1
BMO-2008-7M	908794	7/23/18		7.36	23.5	464	34.7
BMO-2008-7M	908794	8/8/19		7.77	23.6	478	35.5
BMO-2008-7M	908794	8/8/19	DUP	7.77	23.6	478	35.1
BMO-2008-7M	908794	7/23/20		7.61	23.0	483	37.2
BMO-2008-7M	908794	8/2/21		7.53	23.1	487	36.9
BMO-2008-7M	908794	7/18/22		7.41	23.3	505	40.0
BMO-2008-7M	908794	9/5/23		7.60	22.9	553	39.6
BMO-2008-7M	908794	7/29/24		7.54	22.7	684	44.7
BMO-2008-7M	908794	8/25/25		7.38	22.8	678	48.5
BMO-2008-8B	910097	12/5/08		6.47	20.1	2480	1890

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
BMO-2008-8B	910097	2/19/09		6.19	21.0	2958	1570
BMO-2008-8B	910097	5/5/09		6.18	21.3	2888	1370
BMO-2008-8B	910097	8/10/09		6.42	21.5	2897	1250
BMO-2008-8B	910097	11/9/09		6.33	21.8	2889	1510
BMO-2008-8B	910097	11/9/09	DUP	6.33	21.8	2889	1520
BMO-2008-8B	910097	3/3/10		6.51	20.4	3016	1320
BMO-2008-8B	910097	4/16/10		6.06	21.4	1682	1470
BMO-2008-8B	910097	7/1/10		6.10	21.4	1594	1440
BMO-2008-8B	910097	7/15/11		6.21	21.2	2940	1380
BMO-2008-8B	910097	1/30/12		6.22	21.2	2880	1480
BMO-2008-8B	910097	1/30/12	DUP	6.22	21.2	2880	1480
BMO-2008-8B	910097	7/12/12		6.41	21.1	2860	1440
BMO-2008-8B	910097	2/13/13		6.25	20.7	2830	1330
BMO-2008-8B	910097	8/12/13		6.38	21.3	2780	1420
BMO-2008-8B	910097	7/24/14		6.26	21.2	2520	1380
BMO-2008-8B	910097	7/10/17		6.69	22.2	1540	1240
BMO-2008-8B	910097	8/8/19		6.50	22.2	2640	1130
BMO-2008-8B	910097	8/2/21		6.71	23.2	2550	1130
BMO-2008-8B	910097	9/6/23		6.71	23.3	2700	1140
BMO-2008-8B	910097	8/25/25		6.54	23.4	2540	1120
BMO-2008-8M	909711	12/9/08		7.16	23.4	852	197
BMO-2008-8M	909711	2/19/09		7.27	23.5	758	147
BMO-2008-8M	909711	2/19/09	DUP	7.27	23.5	758	149
BMO-2008-8M	909711	5/5/09		7.19	25.1	680	122
BMO-2008-8M	909711	8/10/09		7.49	24.8	673	107
BMO-2008-8M	909711	11/5/09		7.30	25.4	675	104
BMO-2008-8M	909711	3/3/10		7.70	24.1	641	99.5
BMO-2008-8M	909711	4/16/10		7.29	24.5	541	97.0
BMO-2008-8M	909711	7/1/10		6.99	25.0	502	94.7
BMO-2008-8M	909711	1/24/11		7.05	23.4	595	98.2
BMO-2008-8M	909711	7/15/11		6.89	22.1	590	79.9
BMO-2008-8M	909711	1/30/12		7.36	23.9	565	77.6
BMO-2008-8M	909711	7/12/12		7.15	24.2	554	73.1
BMO-2008-8M	909711	7/12/12	DUP	7.15	24.2	554	73.2
BMO-2008-8M	909711	2/14/13		7.1	24.3	565	64.9
BMO-2008-8M	909711	8/12/13		7.19	24.6	585	65.0
BMO-2008-8M	909711	2/19/14		7.07	24.3	579	63.3
BMO-2008-8M	909711	2/19/14	DUP	7.07	24.3	579	63.4
BMO-2008-8M	909711	7/24/14		7.07	24.7	569	66.8
BMO-2008-8M	909711	9/15/15		7.35	25.0	541	67.0
BMO-2008-8M	909711	9/15/16		7.52	24.6	535	63.5
BMO-2008-8M	909711	9/15/16	DUP	7.52	24.6	535	63.9
BMO-2008-8M	909711	7/10/17		7.28	24.7	542	74.1
BMO-2008-8M	909711	7/23/18		7.48	24.8	536	76.9
BMO-2008-8M	909711	7/23/18	DUP	7.48	24.8	536	74.5
BMO-2008-8M	909711	8/8/19		7.63	25.2	542	66.8
BMO-2008-8M	909711	7/23/20		7.48	24.8	547	74.3
BMO-2008-8M	909711	8/2/21		6.79	24.6	1908	795
BMO-2008-8M	909711	8/2/21	DUP	6.79	24.6	1908	797
BMO-2008-8M	909711	7/18/22		6.69	24.4	1310	1050
BMO-2008-8M	909711	9/6/23		6.70	23.6	2540	1030
BMO-2008-8M	909711	9/6/23	DUP	6.70	23.6	2540	1030
BMO-2008-8M	909711	9/18/24		6.67	23.5	2240	964
BMO-2008-8M	909711	8/21/25		6.58	23.8	1955	932

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
BMO-2008-9M	909255	8/8/08		7.72	25.7	415	47.3
BMO-2008-9M	909255	11/5/08		7.89	21.4	444	54.4
BMO-2008-9M	909255	2/26/09		7.71	24.5	482	28.8
BMO-2008-9M	909255	5/12/09		7.76	24.8	449	51.7
BMO-2008-9M	909255	8/17/09		7.76	25.6	534	53.4
BMO-2008-9M	909255	11/3/09		7.82	24.9	552	56.9
BMO-2008-9M	909255	3/4/10		8.07	22.4	520	58.6
BMO-2008-9M	909255	4/6/10		6.74	23.8	484	60.1
BMO-2008-9M	909255	7/1/10		7.40	24.6	425	61.0
BMO-2008-9M	909255	2/10/11		6.79	24.0	520	64.2
BMO-2008-9M	909255	7/15/11		7.56	24.3	516	67.0
BMO-2008-9M	909255	2/1/12		7.54	22.4	516	67.4
BMO-2008-9M	909255	7/12/12		7.68	24.2	513	68.9
BMO-2008-9M	909255	2/13/13		7.37	23.8	531	68.2
BMO-2008-9M	909255	8/12/13		7.47	24.2	553	71.1
BMO-2008-9M	909255	2/18/14		7.26	23.8	569	74.1
BMO-2008-9M	909255	7/24/14		7.36	24.4	571	74.2
BMO-2008-9M	909255	9/14/15		7.68	24.7	550	85.6
BMO-2008-9M	909255	9/15/16		7.64	24.4	571	86.7
BMO-2008-9M	909255	7/11/17		7.57	24.5	572	92.0
BMO-2008-9M	909255	7/26/18		7.66	24.4	584	97.2
BMO-2008-9M	909255	8/12/19		7.59	24.5	584	91.7
BMO-2008-9M	909255	7/20/20		7.68	24.7	602	97.0
BMO-2008-9M	909255	8/18/21		7.66	24.9	602	105
BMO-2008-9M	909255	7/18/22		7.78	24.6	616	108
BMO-2008-9M	909255	8/14/23		7.83	24.2	675	101
BMO-2008-9M	909255	8/14/23	DUP	7.83	24.2	675	101
BMO-2008-9M	909255	7/29/24		7.70	24.4	789	102
BMO-2008-9M	909255	7/10/25		7.65	24.3	766	94.2
BMO-2008-10GL	909435	8/20/08		6.22	29.5	2924	1320
BMO-2008-10GL	909435	11/5/08		6.47	25.3	2573	1290
BMO-2008-10GL	909435	2/25/09		6.34	26.8	2646	1180
BMO-2008-10GL	909435	5/12/09		6.35	26.2	2402	1120
BMO-2008-10GL	909435	8/11/09		6.52	27.3	2661	1030
BMO-2008-10GL	909435	11/2/09		6.52	26.7	2565	1100
BMO-2008-10GL	909435	3/4/10		6.76	24.1	2937	1080
BMO-2008-10GL	909435	4/8/10		6.03	25.6	1575	1260
BMO-2008-10GL	909435	7/2/10		6.16	26.3	1338	1020
BMO-2008-10GL	909435	7/13/11		6.32	24.8	1726	644
BMO-2008-10GL	909435	2/2/12		6.45	24.8	1600	624
BMO-2008-10GL	909435	7/13/12		6.71	25.7	1571	545
BMO-2008-10GL	909435	2/18/13		6.45	25.4	1530	498
BMO-2008-10GL	909435	2/18/13	DUP	6.45	25.4	1530	494
BMO-2008-10GL	909435	8/13/13		6.57	25.5	1586	520
BMO-2008-10GL	909435	8/7/14		6.56	25.8	1417	442
BMO-2008-10GL	909435	7/11/17		6.14	25.6	3790	1810
BMO-2008-10GL	909435	8/1/19		6.20	25.7	3860	1770
BMO-2008-10GL	909435	8/17/21		6.20	25.3	3870	1960
BMO-2008-10GL	909435	8/15/23		6.30	25.2	4270	1830
BMO-2008-10GL	909435	8/5/25		6.37	25.1	4110	1570
BMO-2008-10GU	909272	8/4/08		6.41	23.6	3660	2210
BMO-2008-10GU	909272	11/5/08		6.15	20.2	3343	1890
BMO-2008-10GU	909272	2/25/09		5.96	22.7	3426	1740
BMO-2008-10GU	909272	5/6/09		5.99	23.2	3359	1710

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
BMO-2008-10GU	909272	8/11/09		6.28	22.5	3348	1690
BMO-2008-10GU	909272	11/2/09		6.27	21.8	3157	1730
BMO-2008-10GU	909272	3/10/10		6.67	19.1	3951	1700
BMO-2008-10GU	909272	4/7/10		5.96	20.4	3210	1510
BMO-2008-10GU	909272	7/6/10		5.90	21.8	1610	1670
BMO-2008-10GU	909272	7/13/11		6.12	22.3	3890	1670
BMO-2008-10GU	909272	2/1/12		6.09	19.2	3820	1870
BMO-2008-10GU	909272	8/19/13		6.10	21.0	3630	1780
BMO-2008-10GU	909272	8/9/17		6.06	20.4	3860	1990
BMO-2008-10GU	909272	8/9/17	DUP	6.06	20.4	3860	1960
BMO-2008-10GU	909272	8/1/19		6.11	21.3	3900	1830
BMO-2008-10GU	909272	8/17/21		6.06	20.7	3920	2080
BMO-2008-10GU	909272	8/15/23		6.17	20.3	4320	1930
BMO-2008-10GU	909272	8/5/25		6.22	21.0	4590	2310
BMO-2008-11G	909434	8/22/08		8.02	28.2	359	14.2
BMO-2008-11G	909434	11/12/08		7.96	24.2	257	13.9
BMO-2008-11G	909434	2/26/09		7.92	25.1	319	12.3
BMO-2008-11G	909434	4/28/09		8.14	25.5	273	11.8
BMO-2008-11G	909434	8/12/09		8.24	25.3	365	11.2
BMO-2008-11G	909434	11/9/09		8.03	25.5	339	13.9
BMO-2008-11G	909434	3/1/10		8.37	23.2	338	13.0
BMO-2008-11G	909434	4/9/10		6.88	24.5	301	13.0
BMO-2008-11G	909434	7/1/10		6.97	25.4	298	12.3
BMO-2008-11G	909434	2/10/11		6.99	24.0	327	11.7
BMO-2008-11G	909434	7/22/11		7.26	24.6	331	12.1
BMO-2008-11G	909434	7/22/11	DUP	7.26	24.6	331	12.0
BMO-2008-11G	909434	1/31/12		7.41	24.1	328	11.9
BMO-2008-11G	909434	8/14/12		7.35	24.6	337	12.3
BMO-2008-11G	909434	2/13/13		7.54	24.2	343	11.9
BMO-2008-11G	909434	8/27/13		7.48	24.9	363	12.2
BMO-2008-11G	909434	2/19/14		7.51	24.2	363	12.2
BMO-2008-11G	909434	8/14/14		7.58	24.7	360	12.4
BMO-2008-11G	909434	2/5/15		7.87	24.8	334	12.5
BMO-2008-11G	909434	9/14/15		7.78	25.3	335	12.3
BMO-2008-11G	909434	9/14/15	DUP	7.78	25.3	335	12.4
BMO-2008-11G	909434	3/15/16		7.76	24.9	334	12.2
BMO-2008-11G	909434	8/17/16		7.96	25.6	332	12.6
BMO-2008-11G	909434	3/2/17		7.59	24.8	328	12.5
BMO-2008-11G	909434	7/11/17		7.85	25.4	333	12.4
BMO-2008-11G	909434	2/12/18		7.96	24.4	341	13.1
BMO-2008-11G	909434	7/12/18		7.89	25.4	339	13.3
BMO-2008-11G	909434	1/28/19		7.99	25.2	338	12.2
BMO-2008-11G	909434	8/6/19		7.88	25.4	338	12.2
BMO-2008-11G	909434	2/4/20		7.88	24.7	341	13.3
BMO-2008-11G	909434	8/13/20		7.92	25.3	340	11.9
BMO-2008-11G	909434	8/13/20	DUP	7.92	25.3	340	8.16
BMO-2008-11G	909434	2/2/21		7.91	24.7	338	12.5
BMO-2008-11G	909434	7/22/21		7.86	25.5	341	12.6
BMO-2008-11G	909434	2/1/22		7.81	24.8	348	13.2
BMO-2008-11G	909434	2/1/22	DUP	7.81	24.8	348	13.3
BMO-2008-11G	909434	8/1/22		7.88	25.6	351	12.7
BMO-2008-11G	909434	3/6/23		7.74	25.1	346	12.6
BMO-2008-11G	909434	8/10/23		7.97	25.2	392	12.6
BMO-2008-11G	909434	3/12/24		7.79	24.7	377	13.4

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
BMO-2008-11G	909434	7/17/24		7.89	25.1	479	12.9
BMO-2008-11G	909434	1/27/25		7.88	24.9	472	12.6
BMO-2008-11G	909434	8/7/25		7.79	25.2	459	12.7
BMO-2008-13B	909551	10/3/08		6.49	21.6	2180	980
BMO-2008-13B	909551	2/17/09		6.51	20.9	1941	1000
BMO-2008-13B	909551	5/6/09		6.55	22.0	1891	930
BMO-2008-13B	909551	8/5/09		6.63	21.5	2137	950
BMO-2008-13B	909551	10/28/09		6.81	19.7	2259	1010
BMO-2008-13B	909551	2/16/10		6.87	20.8	2093	997
BMO-2008-13B	909551	4/14/10		6.38	21.2	1346	974
BMO-2008-13B	909551	7/6/10		6.37	21.8	1208	972
BMO-2008-13B	909551	7/15/11		6.44	20.8	2160	1010
BMO-2008-13B	909551	2/9/12		6.68	20.3	2180	1060
BMO-2008-13B	909551	7/11/12		6.55	21.2	2190	1080
BMO-2008-13B	909551	2/27/13		6.54	20.3	2160	1090
BMO-2008-13B	909551	9/4/13		6.57	20.8	2070	1050
BMO-2008-13B	909551	8/19/14		6.63	21.2	1890	1070
BMO-2008-13B	909551	8/2/17		6.67	21.2	2130	1050
BMO-2008-13B	909551	8/20/19		6.68	21.5	2190	1050
BMO-2008-13B	909551	8/16/21		6.67	21.9	2220	1110
BMO-2008-13B	909551	9/11/23		6.88	21.2	1603	1100
BMO-2008-13B	909551	8/19/25		6.12	21.4	2030	1080
BMO-2008-13M	909760	12/3/08		7.73	24.1	1463	494
BMO-2008-13M	909760	2/17/09		8.21	22.7	1340	441
BMO-2008-13M	909760	4/29/09		8.04	24.8	1126	217
BMO-2008-13M	909760	8/5/09		8.04	25.4	1392	387
BMO-2008-13M	909760	10/28/09		8.12	21.4	1347	403
BMO-2008-13M	909760	2/16/10		8.07	24.9	1297	375
BMO-2008-13M	909760	4/13/10		8.06	23.2	1130	398
BMO-2008-13M	909760	7/2/10		8.30	23.9	1027	386
BMO-2008-13M	909760	7/15/11		8.4	23.4	1331	388
BMO-2008-13M	909760	2/6/12		8.47	23.2	1300	ND
BMO-2008-13M	909760	8/13/12		8.75	24.2	1311	397
BMO-2008-13M	909760	2/15/13		8.8	22.4	1280	383
BMO-2008-13M	909760	9/6/13		8.81	23.8	1300	402
BMO-2008-13M	909760	8/20/14		8.48	23.6	1362	410
BMO-2008-13M	909760	8/15/17		8.42	24.7	1305	386
BMO-2008-13M	909760	8/20/19		8.78	23.9	1299	388
BMO-2008-13M	909760	8/16/21		8.73	24.3	1326	418
BMO-2008-13M	909760	9/11/23		8.51	23.4	1310	424
BMO-2008-13M	909760	8/19/25		6.36	21.6	2130	1150
BMO-2010-1M	219957	9/9/10		7.82	24.6	727.0	150
BMO-2010-1M	219957	11/11/10		8.68	19.9	570	98
BMO-2010-1M	219957	2/11/11		8.15	20.8	589	138
BMO-2010-1M	219957	5/12/11		7.74	23.0	710	129
BMO-2010-1M	219957	8/31/11		7.74	23.2	562	154
BMO-2010-1M	219957	12/13/11		7.63	21.3	713	149
BMO-2010-1M	219957	2/8/12		7.69	22.0	605	158
BMO-2010-1M	219957	4/24/12		7.08	23.4	701	150
BMO-2010-1M	219957	7/9/12		6.37	24.3	715	161
BMO-2010-1M	219957	10/17/12		7.40	23.9	699	154
BMO-2010-1M	219957	2/13/13		7.09	22.2	712	152
BMO-2010-1M	219957	5/8/13		7.12	22.5	725	160
BMO-2010-1M	219957	8/15/13		7.39	23.5	767	156

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
BMO-2010-1M	219957	11/4/13		7.38	22.6	774	163
BMO-2010-1M	219957	2/12/14		8.33	22.0	672	161
BMO-2010-1M	219957	6/2/14		7.55	23.3	771	165
BMO-2010-1M	219957	8/4/14		7.38	23.8	772	179
BMO-2010-1M	219957	11/12/14		7.43	23.4	733	165
BMO-2010-1M	219957	9/9/15		7.59	24.2	729	170
BMO-2010-1M	219957	8/25/16		7.93	23.3	646	169
BMO-2010-1M	219957	7/12/17		7.70	24.0	715	180
BMO-2010-1M	219957	8/7/18		7.85	23.8	751	169
BMO-2010-1M	219957	7/30/19		7.54	24.0	7.32	173
BMO-2010-1M	219957	7/20/20		7.75	24.0	771	187
BMO-2010-1M	219957	7/15/21		7.68	24.0	762	183
BMO-2010-1M	219957	7/26/22		7.65	23.9	788	200
BMO-2010-1M	219957	8/7/23		7.75	23.6	886	192
BMO-2010-1M	219957	7/11/24		7.65	23.7	1997	189
BMO-2010-1M	219957	7/14/25		7.54	23.2	980	179
BMO-2010-2M	219958	9/15/10		6.66	22.6	2054	915
BMO-2010-2M	219958	11/11/10		6.97	20.6	1800	935
BMO-2010-2M	219958	2/10/11		6.53	20.8	2120	950
BMO-2010-2M	219958	5/13/11		6.54	21.1	2160	887
BMO-2010-2M	219958	7/14/11		6.62	21.5	2160	917
BMO-2010-2M	219958	12/13/11		6.59	20.3	2140	984
BMO-2010-2M	219958	1/30/12		6.41	21.4	2180	989
BMO-2010-2M	219958	4/18/12		6.48	21.2	2170	893
BMO-2010-2M	219958	7/9/12		6.41	21.8	2190	1030
BMO-2010-2M	219958	10/17/12		6.60	21.3	2200	998
BMO-2010-2M	219958	2/13/13		6.45	21.0	2190	962
BMO-2010-2M	219958	5/8/13		6.42	21.0	2160	996
BMO-2010-2M	219958	8/15/13		6.58	21.2	2157	978
BMO-2010-2M	219958	11/4/13		6.53	21.9	2120	998
BMO-2010-2M	219958	2/12/14		6.52	21.0	2160	1000
BMO-2010-2M	219958	5/8/14		6.46	21.0	1990	1010
BMO-2010-2M	219958	8/14/14		6.48	21.0	1940	1040
BMO-2010-2M	219958	8/14/14	DUP	6.48	21.0	1940	1030
BMO-2010-2M	219958	11/12/14		6.59	21.3	2210	939
BMO-2010-2M	219958	7/12/17		6.6	22.2	2160	967
BMO-2010-2M	219958	7/30/19		6.67	22.1	2190	894
BMO-2010-2M	219958	7/15/21		6.70	21.7	2150	927
BMO-2010-2M	219958	8/7/23		6.78	21.8	2400	888
BMO-2010-2M	219958	7/17/25		6.89	21.7	1842	725
BMO-2010-3B	219970	7/29/10		7.48	23.1	420	16.0
BMO-2010-3B	219970	11/10/10		7.43	21.2	370	14.9
BMO-2010-3B	219970	1/20/11		7.44	20.9	416.1	14.4
BMO-2010-3B	219970	4/7/11		7.38	20.1	424.6	14.9
BMO-2010-3B	219970	7/13/11		7.68	22.3	404.5	13.8
BMO-2010-3B	219970	10/13/11		7.63	23.4	411.2	15.9
BMO-2010-3B	219970	2/2/12		7.52	20.4	400.2	16.9
BMO-2010-3B	219970	2/2/12	DUP	7.52	20.4	400.2	17.1
BMO-2010-3B	219970	4/24/12		7.30	21.8	390	16.0
BMO-2010-3B	219970	7/5/12		7.51	22.4	419.1	15.7
BMO-2010-3B	219970	10/18/12		7.58	21.6	411.9	17.0
BMO-2010-3B	219970	1/16/13		7.58	20.8	420.5	17.4
BMO-2010-3B	219970	4/16/13		7.65	21.2	415.1	17.5
BMO-2010-3B	219970	7/23/13		7.67	21.8	420	19.8

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
BMO-2010-3B	219970	10/8/13		7.72	20.9	420.3	16.8
BMO-2010-3B	219970	1/15/14		7.65	20.2	431.2	18.8
BMO-2010-3B	219970	5/13/14		7.66	21.0	421.2	18.0
BMO-2010-3B	219970	5/13/14	DUP	7.66	21.0	421.2	18.0
BMO-2010-3B	219970	7/15/14		7.63	21.8	419.1	19.0
BMO-2010-3B	219970	10/14/14		7.48	22.6	395	17.4
BMO-2010-3B	219970	10/14/14	DUP	7.48	22.6	395	18.1
BMO-2010-3B	219970	1/28/15		7.59	22.2	420	19.2
BMO-2010-3B	219970	7/22/15		7.67	21.8	420	20.7
BMO-2010-3B	219970	2/2/16		7.67	18.9	407.5	16.1
BMO-2010-3B	219970	7/12/16		7.59	21.0	424.9	16.8
BMO-2010-3B	219970	1/18/17		7.45	20.5	413.9	18.8
BMO-2010-3B	219970	7/11/17		7.40	20.7	424.6	16.5
BMO-2010-3B	219970	1/8/18		7.42	20.4	415.7	21.8
BMO-2010-3B	219970	1/8/18	DUP	7.42	20.4	415.7	21.1
BMO-2010-3B	219970	7/10/18		7.44	20.5	428.1	16.0
BMO-2010-3B	219970	1/8/19		7.42	20.2	418.6	19.5
BMO-2010-3B	219970	7/16/19		7.41	20.5	424.5	26.0
BMO-2010-3B	219970	7/16/19	DUP	7.41	20.5	424.5	25.8
BMO-2010-3B	219970	1/6/20		7.67	20.2	425.7	21.0
BMO-2010-3B	219970	8/4/20		7.45	21.4	427.1	19.3
BMO-2010-3B	219970	1/5/21		7.48	20.8	425.4	22.9
BMO-2010-3B	219970	7/13/21		7.43	20.4	433.4	20.9
BMO-2010-3B	219970	7/13/21	DUP	7.43	20.4	433.4	21.2
BMO-2010-3B	219970	1/24/22		7.48	20.0	420.8	22.0
BMO-2010-3B	219970	7/19/22		7.41	22.2	430.0	20.1
BMO-2010-3B	219970	1/31/23		7.51	20.0	428.6	23.9
BMO-2010-3B	219970	8/1/23		7.55	21.3	430.2	19.9
BMO-2010-3B	219970	8/1/23	DUP	7.55	21.3	430.2	19.9
BMO-2010-3B	219970	1/31/24		7.57	19.1	424	21.4
BMO-2010-3B	219970	8/6/24		7.57	21.4	433.8	22.0
BMO-2010-3B	219970	1/30/25		7.59	20.6	436.2	26.0
BMO-2010-3B	219970	7/15/25		7.72	21.8	433	24.6
BMO-2010-3M	219969	7/31/10		7.73	24.3	390	14.8
BMO-2010-3M	219969	11/10/10		7.66	21.8	340	12.6
BMO-2010-3M	219969	11/10/10	DUP	7.66	21.8	340	12.7
BMO-2010-3M	219969	1/20/11		7.72	22.6	380.4	11.5
BMO-2010-3M	219969	4/7/11		7.38	23.5	376.5	12.3
BMO-2010-3M	219969	8/25/11		7.17	24.3	340	10.4
BMO-2010-3M	219969	10/13/11		7.73	23.6	375.8	10.5
BMO-2010-3M	219969	2/2/12		7.68	22.0	367.1	10.6
BMO-2010-3M	219969	4/24/12		7.49	23.9	370	10.1
BMO-2010-3M	219969	7/5/12		7.66	23.7	381.8	10.3
BMO-2010-3M	219969	10/18/12		7.71	23.3	379.9	10.4
BMO-2010-3M	219969	1/16/13		7.68	22.1	383.1	10.0
BMO-2010-3M	219969	4/16/13		7.83	22.3	383.7	10.2
BMO-2010-3M	219969	4/16/13	DUP	7.83	22.3	383.7	10.2
BMO-2010-3M	219969	7/23/13		7.80	23.4	386.0	10.7
BMO-2010-3M	219969	10/8/13		7.76	22.8	384.8	9.4
BMO-2010-3M	219969	1/15/14		7.76	22.1	389.8	9.1
BMO-2010-3M	219969	5/13/14		7.75	22.9	387.1	10.4
BMO-2010-3M	219969	7/15/14		7.74	23.1	386.9	10.2
BMO-2010-3M	219969	10/14/14		7.57	24.1	367.0	10.8
BMO-2010-3M	219969	1/28/15		7.70	24.1	391	10.6

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
BMO-2010-3M	219969	7/22/15		7.79	23.5	383.9	8.64
BMO-2010-3M	219969	7/22/15	DUP	7.79	23.5	383.9	9.25
BMO-2010-3M	219969	2/2/16		7.83	19.8	367.5	8.46
BMO-2010-3M	219969	7/12/16		7.75	22.7	383.3	10.1
BMO-2010-3M	219969	1/18/17		7.54	22.2	382.3	9.97
BMO-2010-3M	219969	7/11/17		7.52	22.6	384.8	8.97
BMO-2010-3M	219969	1/8/18		7.52	22.2	379.7	9.69
BMO-2010-3M	219969	7/10/18		7.55	22.1	389.2	9.17
BMO-2010-3M	219969	1/8/19		7.42	22.0	378.4	8.97
BMO-2010-3M	219969	7/16/19		7.53	22.4	385.6	8.97
BMO-2010-3M	219969	1/6/20		7.69	21.2	369.3	9.01
BMO-2010-3M	219969	1/6/20	DUP	7.69	21.2	369.3	9.07
BMO-2010-3M	219969	8/4/20		7.53	23.1	388.6	8.98
BMO-2010-3M	219969	1/5/21		7.54	22.7	384.1	9.23
BMO-2010-3M	219969	7/13/21		7.55	22.2	391.6	11.3
BMO-2010-3M	219969	7/13/21		7.55	22.2	391.6	9.50
BMO-2010-3M	219969	1/24/22		7.56	21.8	379.5	9.50
BMO-2010-3M	219969	7/19/22		7.53	25.8	391.0	9.41
BMO-2010-3M	219969	1/31/23		7.64	21.0	388.9	8.98
BMO-2010-3M	219969	8/1/23		7.68	22.8	390.5	9.87
BMO-2010-3M	219969	1/31/24		7.70	21.5	382	9.10
BMO-2010-3M	219969	1/31/24	DUP	7.70	21.5	382	9.63
BMO-2010-3M	219969	8/6/24		7.69	23.2	389.0	10.5
BMO-2010-3M	219969	1/30/25		7.65	22.2	393.7	9.71
BMO-2010-3M	219969	7/15/25		7.71	23.8	387	9.71
BMO-2012-1M	221388	11/13/12		7.55	21.3	933.7	231
BMO-2012-1M	221388	2/27/13		6.97	22.4	793	205
BMO-2012-1M	221388	5/8/13		6.77	22.9	814	197
BMO-2012-1M	221388	8/14/13		7.09	22.9	858	202
BMO-2012-1M	221388	11/1/13		6.98	22.4	850	210
BMO-2012-1M	221388	2/13/14		7.00	22.2	883	214
BMO-2012-1M	221388	5/8/14		6.90	22.9	875	207
BMO-2012-1M	221388	7/22/14		6.99	22.6	857	210
BMO-2012-1M	221388	11/13/14		7.10	22.6	839	208
BMO-2012-1M	221388	2/4/15		7.40	22.5	843	214
BMO-2012-1M	221388	9/10/15		7.29	23.3	862	216
BMO-2012-1M	221388	3/3/16		7.32	23.4	888	222
BMO-2012-1M	221388	8/17/16		7.15	23.3	928	222
BMO-2012-1M	221388	3/2/17		6.98	23.1	922	236
BMO-2012-1M	221388	3/2/17	DUP	6.98	23.1	922	228
BMO-2012-1M	221388	7/24/17		7.08	23.0	938	250
BMO-2012-1M	221388	8/21/17		7.14	22.8	944	221
BMO-2012-1M	221388	2/13/18		7.24	22.7	960	237
BMO-2012-1M	221388	7/16/18		7.33	23.4	960	236
BMO-2012-1M	221388	1/29/19		7.25	22.6	956	215
BMO-2012-1M	221388	7/31/19		7.22	23.3	959	213
BMO-2012-1M	221388	2/4/20		7.25	22.8	954	223
BMO-2012-1M	221388	7/21/20		7.22	23.1	960	217
BMO-2012-1M	221388	2/18/21		7.13	22.9	960	213
BMO-2012-1M	221388	7/14/21		7.19	23.3	964	221
BMO-2012-1M	221388	2/1/22		7.1	22.6	981	235
BMO-2012-1M	221388	7/19/22		7.14	23.5	992	235
BMO-2012-1M	221388	3/1/23		7.08	22.6	981	217
BMO-2012-1M	221388	8/2/23		7.08	23.1	1096	220

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
BMO-2012-1M	221388	3/12/24		7.28	22.5	930	228
BMO-2012-1M	221388	7/10/24		7.20	22.9	1226	217
BMO-2012-1M	221388	1/28/25		7.12	22.5	1148	216
BMO-2012-1M	221388	7/9/25		7.12	23.0	1165	201
BMO-2014-1BL	917394	11/7/14		7.21	24.2	716	160
BMO-2014-1BL	917394	1/29/15		7.46	22.2	686	167
BMO-2014-1BL	917394	4/15/15		7.43	21.9	695.0	167
BMO-2014-1BL	917394	7/29/15		7.57	22.8	695.0	149
BMO-2014-1BL	917394	10/7/15		7.55	21.6	685.9	156
BMO-2014-1BL	917394	10/7/15	DUP	7.55	21.6	685.9	156
BMO-2014-1BL	917394	2/4/16		7.66	20.2	675.4	146
BMO-2014-1BL	917394	4/6/16		7.43	21.7	696.3	152
BMO-2014-1BL	917394	7/14/16		7.47	21.9	690.7	151
BMO-2014-1BL	917394	11/2/16		7.28	21.6	689.9	143
BMO-2014-1BL	917394	1/24/17		7.29	21.4	684.6	156
BMO-2014-1BL	917394	7/13/17		7.26	21.6	687.5	158
BMO-2014-1BL	917394	1/10/18		7.24	21.5	685.3	159
BMO-2014-1BL	917394	7/12/18		7.25	21.7	693.4	163
BMO-2014-1BL	917394	1/10/19		7.15	21.8	683.6	158
BMO-2014-1BL	917394	7/18/19		7.15	22.5	691.5	150
BMO-2014-1BL	917394	1/8/20		7.52	23.9	701.7	163
BMO-2014-1BL	917394	3/9/21		7.3	21.8	719.3	160
BMO-2014-1BL	917394	7/15/21		7.29	21.2	721.0	178
BMO-2014-1BL	917394	1/26/22		7.26	21.0	726.1	164
BMO-2014-1BL	917394	7/21/22		7.29	22.2	739.3	132
BMO-2014-1BL	917394	2/15/23		7.30	21.1	708.1	173
BMO-2014-1BL	917394	8/7/23		7.52	20.7	730.9	182
BMO-2014-1BL	917394	2/6/24		7.60	20.4	713	178
BMO-2014-1BL	917394	8/8/24		7.38	22.3	728.9	177
BMO-2014-1BL	917394	2/6/25		7.43	21.9	723.0	169
BMO-2014-1BL	917393	8/21/25		7.28	21.1	734.3	174
BMO-2014-1BU	917393	11/13/14		21.8	22.1	571	84
BMO-2014-1BU	917393	1/28/15		7.45	21.6	694	170
BMO-2014-1BU	917393	4/15/15		7.40	21.3	735.2	189
BMO-2014-1BU	917393	7/29/15		7.55	22.3	729.7	165
BMO-2014-1BU	917393	10/7/15		7.51	20.9	728.8	182
BMO-2014-1BU	917393	2/4/16		7.51	20.1	715.7	163
BMO-2014-1BU	917393	4/6/16		7.47	21.0	733.5	172
BMO-2014-1BU	917393	7/14/16		7.45	21.6	724.8	170
BMO-2014-1BU	917393	7/14/16	DUP	7.45	21.6	724.8	169
BMO-2014-1BU	917393	11/2/16		7.29	20.9	719.5	155
BMO-2014-1BU	917393	1/24/17		7.28	20.5	722.8	178
BMO-2014-1BU	917393	7/13/17		7.27	20.8	736.4	184
BMO-2014-1BU	917393	1/10/18		7.25	20.5	694.3	158
BMO-2014-1BU	917393	7/12/18		7.24	20.7	730.3	181
BMO-2014-1BU	917393	1/10/19		7.16	20.4	729.9	172
BMO-2014-1BU	917393	1/10/19	DUP	7.16	20.4	729.9	175
BMO-2014-1BU	917393	7/18/19		7.15	20.5	717.9	170
BMO-2014-1BU	917393	1/8/20		7.36	19.2	703.5	169
BMO-2014-1BU	917393	8/6/20		7.23	21.2	732.1	168
BMO-2014-1BU	917393	1/7/21		7.24	21.0	718.1	185
BMO-2014-1BU	917393	7/15/21		7.30	20.2	733.1	161
BMO-2014-1BU	917393	1/26/22		7.25	20.1	741.6	170
BMO-2014-1BU	917393	7/21/22		7.38	21.5	737.8	165

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
BMO-2014-1BU	917393	7/21/22	DUP	7.38	21.5	737.8	163
BMO-2014-1BU	917393	2/15/23		7.31	20.8	729.1	175
BMO-2014-1BU	917393	8/7/23		7.33	21.0	777.7	192
BMO-2014-1BU	917393	2/6/24		7.47	20.2	760	196
BMO-2014-1BU	917393	8/8/24		7.22	23.8	804.5	210
BMO-2014-2BL	917452	11/20/14		7.34	22.8	804	210
BMO-2014-2BL	917452	1/29/15		7.36	20.8	1109	463
BMO-2014-2BL	917452	4/15/15		7.27	21.2	1169	463
BMO-2014-2BL	917452	7/29/15		7.34	22.5	1191	452
BMO-2014-2BL	917452	10/7/15		7.41	20.8	1180	467
BMO-2014-2BL	917452	2/4/16		7.38	19.7	1164	434
BMO-2014-2BL	917452	2/4/16	DUP	7.38	19.7	1164	428
BMO-2014-2BL	917452	4/6/16		7.43	21.2	1187	456
BMO-2014-2BL	917452	7/14/16		7.27	21.9	1182	437
BMO-2014-2BL	917452	11/2/16		7.18	20.8	1184	422
BMO-2014-2BL	917452	1/24/17		7.11	21.3	1170	453
BMO-2014-2BL	917452	9/6/17		7.08	20.7	1197	441
BMO-2014-2BL	917452	1/10/18		7.10	20.5	1167	448
BMO-2014-2BL	917452	7/12/18		7.12	20.4	1186	445
BMO-2014-2BL	917452	1/10/19		7.07	20.4	1168	470
BMO-2014-2BL	917452	7/18/19		7.01	20.4	1178	433
BMO-2014-2BL	917452	1/8/20		7.37	18.1	1147	454
BMO-2014-2BL	917452	8/6/20		7.08	21.1	1187	421
BMO-2014-2BL	917452	1/7/21		7.09	20.8	1154	481
BMO-2014-2BL	917452	7/15/21		7.15	20.3	1174	420
BMO-2014-2BL	917452	1/26/22		7.04	20.2	1161	397
BMO-2014-2BL	917452	7/21/22		7.20	21.3	1181	400
BMO-2014-2BL	917452	2/15/23		7.30	21.5	1132	422
BMO-2014-2BL	917452	8/7/23		7.34	21.2	1162	471
BMO-2014-2BL	917452	2/6/24		7.50	19.4	1152	453
BMO-2014-2BL	917452	8/8/24		7.18	23.3	1162	402
BMO-2014-2BL	917452	2/6/25		7.14	20.7	1158	377
BMO-2014-2BL	917452	8/21/25		7.07	20.1	1169	385
BMO-2014-2BU	917453	12/1/14		7.35	20.8	819.2	230
BMO-2014-2BU	917453	1/30/15		7.65	19.9	524	63.8
BMO-2014-2BU	917453	4/15/15		7.56	20.7	536.1	64.8
BMO-2014-2BU	917453	7/29/15		7.62	22.2	538.7	58.2
BMO-2014-2BU	917453	10/7/15		7.74	20.6	541.1	62.0
BMO-2014-2BU	917453	2/4/16		7.58	19.8	528.0	56.5
BMO-2014-2BU	917453	4/6/16		7.58	21.7	539.3	58.6
BMO-2014-2BU	917453	7/14/16		7.56	21.4	536.6	59.9
BMO-2014-2BU	917453	11/2/16		7.39	20.2	535.9	55.8
BMO-2014-2BU	917453	1/24/17		7.36	20.1	531.2	61.0
BMO-2014-2BU	917453	7/13/17		7.38	20.1	536.9	60.1
BMO-2014-2BU	917453	1/10/18		7.35	19.8	525.4	57.0
BMO-2014-2BU	917453	7/12/18		7.37	20.1	537.5	55.6
BMO-2014-2BU	917453	1/10/19		7.31	19.8	534.0	55.2
BMO-2014-2BU	917453	7/18/19		7.27	19.8	544.3	54.9
BMO-2014-2BU	917453	1/8/20		7.53	18.6	535.4	58.6
BMO-2014-2BU	917453	8/6/20		7.35	20.6	551.0	56.4
BMO-2014-2BU	917453	1/7/21		7.35	20.4	539.3	58.2
BMO-2014-2BU	917453	7/15/21		7.40	19.8	545.4	84.9
BMO-2014-2BU	917453	1/26/22		7.30	19.6	538.3	60.9
BMO-2014-2BU	917453	7/21/22		7.55	20.8	545.2	65.1

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
BMO-2014-2BU	917453	2/15/23		7.54	20.3	525.6	73.0
BMO-2014-2BU	917453	2/15/23	DUP	7.54	20.3	525.6	71.7
BMO-2014-2BU	917453	8/7/23		7.47	20.0	548.7	76.9
BMO-2014-2BU	917453	2/6/24		7.51	18.8	542	73.9
BMO-2014-2BU	917453	8/8/24		7.48	21.6	556.8	71.2
BMO-2014-2BU	917453	2/6/25		7.39	20.0	560.7	69.5
BMO-2014-2BU	917453	8/21/25		7.36	19.5	570.9	72.0
BMO-2014-3BL	917527	2/13/15		7.34	22.4	384	7.84
BMO-2014-3BL	917527	4/15/15		7.72	21.6	402.3	8.73
BMO-2014-3BL	917527	7/29/15		7.72	23.1	413.7	7.92
BMO-2014-3BL	917527	10/7/15		7.64	21.6	415.6	8.51
BMO-2014-3BL	917527	2/4/16		7.62	20.9	409.8	8.36
BMO-2014-3BL	917527	4/6/16		7.62	21.9	424.9	8.62
BMO-2014-3BL	917527	7/14/16		7.62	22.7	419.4	8.77
BMO-2014-3BL	917527	11/2/16		7.40	21.4	423.2	7.98
BMO-2014-3BL	917527	1/25/17		7.38	21.4	406.4	8.37
BMO-2014-3BL	917527	7/13/17		7.37	21.7	423.3	8.69
BMO-2014-3BL	917527	1/12/18		7.31	21.3	402.0	8.25
BMO-2014-3BL	917527	1/12/18		7.31	21.3	402.0	8.25
BMO-2014-3BL	917527	7/12/18		7.42	21.5	423.0	7.71
BMO-2014-3BL	917527	1/10/19		7.29	21.4	412.3	7.73
BMO-2014-3BL	917527	7/18/19		7.31	21.5	413.5	7.45
BMO-2014-3BL	917527	1/9/20		7.58	20.0	414.7	8.31
BMO-2014-3BL	917527	8/6/20		7.33	22.3	415.1	7.59
BMO-2014-3BL	917527	1/7/21		7.33	22.0	415.3	7.63
BMO-2014-3BL	917527	7/15/21		7.36	21.3	412.6	10.0
BMO-2014-3BL	917527	1/27/22		7.12	21.0	404.8	7.83
BMO-2014-3BL	917527	8/1/22		7.64	24.3	416.4	8.80
BMO-2014-3BL	917527	2/16/23		7.57	20.1	403.6	7.54
BMO-2014-3BL	917527	8/8/23		7.45	21.2	416.0	8.73
BMO-2014-3BL	917527	1/30/24		7.64	20.2	408	8.53
BMO-2014-3BL	917527	8/12/24		7.47	21.9	422.3	9.20
BMO-2014-3BL	917527	8/12/24	DUP	7.47	21.9	422.3	9.24
BMO-2014-3BL	917527	2/6/25		7.55	22.2	417.7	9.01
BMO-2014-3BL	917527	8/21/25		7.50	21.3	425.9	8.42
BMO-2014-3BL	917527	8/21/25	DUP	7.50	21.3	425.9	8.52
BMO-2014-3BU	917494	2/24/15		7.64	18.2	471.4	8.22
BMO-2014-3BU	917494	4/15/15		7.67	20.4	469.5	8.71
BMO-2014-3BU	917494	7/29/15		7.62	21.9	471.9	7.46
BMO-2014-3BU	917494	10/7/15		7.62	20.4	467.9	7.82
BMO-2014-3BU	917494	2/4/16		7.64	19.7	466.4	7.68
BMO-2014-3BU	917494	4/6/16		7.53	20.9	473.2	8.25
BMO-2014-3BU	917494	7/14/16		7.56	21.3	465.9	8.57
BMO-2014-3BU	917494	11/2/16		7.40	20.0	471.1	7.79
BMO-2014-3BU	917494	1/25/17		7.36	20.0	458.1	8.06
BMO-2014-3BU	917494	7/13/17		7.34	20.2	472.9	8.55
BMO-2014-3BU	917494	1/12/18		7.28	20.0	457.5	8.06
BMO-2014-3BU	917494	7/12/18		7.35	20.0	470.0	7.95
BMO-2014-3BU	917494	1/10/19		7.28	19.9	470.2	7.54
BMO-2014-3BU	917494	7/18/19		7.28	20.0	474.2	7.63
BMO-2014-3BU	917494	1/9/20		7.57	17.8	471.2	8.00
BMO-2014-3BU	917494	8/6/20		7.31	20.7	478.8	7.18
BMO-2014-3BU	917494	1/7/21		7.31	20.6	478.1	7.04
BMO-2014-3BU	917494	7/15/21		7.35	19.9	477.1	9.35

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
BMO-2014-3BU	917494	1/27/22		7.12	19.8	466.9	7.08
BMO-2014-3BU	917494	8/1/22		7.63	21.3	481.7	8.16
BMO-2014-3BU	917494	2/16/23		7.55	19.6	464.8	6.74
BMO-2014-3BU	917494	8/8/23		7.57	21.6	477.4	8.16
BMO-2014-3BU	917494	1/30/24		7.63	19.2	468	7.77
BMO-2014-3BU	917494	8/12/24		7.56	20.8	483.4	8.30
BMO-2014-3BU	917494	2/6/25		7.62	20.7	478.4	8.60
BMO-2014-3BU	917494	2/6/25	DUP	7.62	20.7	478.4	8.53
BMO-2014-3BU	917494	8/21/25		7.49	20.0	489.4	8.07
BMO-2014-4B	917620	3/4/15		7.68	20.3	524.0	64.7
BMO-2014-4B	917620	4/14/15		7.61	20.9	494.7	61.7
BMO-2014-4B	917620	7/23/15		7.60	21.7	493.7	57.2
BMO-2014-4B	917620	10/6/15		7.70	20.5	481.9	52.7
BMO-2014-4B	917620	2/3/16		7.74	19.8	491.1	58.2
BMO-2014-4B	917620	4/5/16		7.61	20.9	491.9	53.2
BMO-2014-4B	917620	7/13/16		7.55	21.3	478.3	48.0
BMO-2014-4B	917620	7/13/16	DUP	7.55	21.3	478.3	48.3
BMO-2014-4B	917620	11/1/16		7.58	20.6	472.7	42.5
BMO-2014-4B	917620	11/1/16	DUP	7.58	20.6	472.7	42.1
BMO-2014-4B	917620	1/23/17		7.42	20.4	493.0	63.6
BMO-2014-4B	917620	7/12/17		7.41	20.5	483.0	56.7
BMO-2014-4B	917620	1/9/18		7.39	20.3	490.9	64.7
BMO-2014-4B	917620	7/11/18		7.38	20.3	467.7	47.4
BMO-2014-4B	917620	1/9/19		7.36	20.2	490.2	62.1
BMO-2014-4B	917620	7/17/19		7.36	20.3	494.9	62.8
BMO-2014-4B	917620	1/7/20		7.66	18.1	492.5	63.9
BMO-2014-4B	917620	8/5/20		7.26	21.2	487.7	56.2
BMO-2014-4B	917620	1/6/21		7.44	20.9	484.0	54.3
BMO-2014-4B	917620	7/14/21		7.38	20.2	472.9	80.1
BMO-2014-4B	917620	1/25/22		7.42	20.0	479.1	49.8
BMO-2014-4B	917620	7/20/22		7.44	23.5	476.2	53.4
BMO-2014-4B	917620	2/2/23		7.52	20.4	493.3	67.6
BMO-2014-4B	917620	8/3/23		7.56	21.6	490.5	67.3
BMO-2014-4B	917620	2/1/24		7.83	19.7	484	53.9
BMO-2014-4B	917620	8/7/24		7.59	21.8	508.4	87.0
BMO-2014-4B	917620	2/3/25		7.47	21.1	516.2	72.1
BMO-2014-4B	917620	8/19/25		7.45	20.1	521.7	75.6
BMO-2014-4BL	917619	3/1/15		7.63	21.1	671.9	165
BMO-2014-4BL	917619	4/14/15		7.63	21.4	665.1	184
BMO-2014-4BL	917619	7/23/15		7.66	21.9	669.7	185
BMO-2014-4BL	917619	7/23/15	DUP	7.66	21.9	669.7	169
BMO-2014-4BL	917619	10/6/15		7.71	20.9	660.4	176
BMO-2014-4BL	917619	2/3/16		7.69	20.1	660.2	165
BMO-2014-4BL	917619	4/5/16		7.53	21.2	671.7	171
BMO-2014-4BL	917619	7/13/16		7.51	21.5	653.5	165
BMO-2014-4BL	917619	11/1/16		7.47	20.9	665.8	160
BMO-2014-4BL	917619	1/23/17		7.37	20.6	672.1	182
BMO-2014-4BL	917619	7/12/17		7.42	20.7	674.4	178
BMO-2014-4BL	917619	1/9/18		7.36	20.5	681.5	183
BMO-2014-4BL	917619	7/11/18		7.32	20.6	687.8	187
BMO-2014-4BL	917619	1/9/19		7.36	20.4	701.1	193
BMO-2014-4BL	917619	7/17/19		7.30	20.5	720.3	192
BMO-2014-4BL	917619	1/7/20		7.61	19.1	725.6	206
BMO-2014-4BL	917619	8/5/20		7.21	21.4	687.8	166

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
BMO-2014-4BL	917619	1/6/21		7.39	21.1	642.0	153
BMO-2014-4BL	917619	7/14/21		7.34	20.3	612.8	182
BMO-2014-4BL	917619	1/25/22		7.39	20.3	615.3	135
BMO-2014-4BL	917619	7/20/22		7.46	22.8	606.9	132
BMO-2014-4BL	917619	2/2/23		7.45	21.2	618.0	127
BMO-2014-4BL	917619	8/3/23		7.59	22.1	612.4	130
BMO-2014-4BL	917619	2/1/24		7.59	19.9	595	123
BMO-2014-4BL	917619	8/7/24		7.54	21.9	591.1	123
BMO-2014-4BL	917619	2/6/25		7.45	21.4	587.8	120
BMO-2014-4BL	917619	8/19/25		7.47	20.6	603.6	127
BMO-2015-1B	917622	3/15/15		8.11	20.2	676.3	175
BMO-2015-1B	917622	4/14/15		7.59	20.9	680.1	187
BMO-2015-1B	917622	7/23/15		7.68	21.7	690.7	201
BMO-2015-1B	917622	10/6/15		7.66	20.6	681.9	190
BMO-2015-1B	917622	2/3/16		7.64	19.8	678.5	173
BMO-2015-1B	917622	4/5/16		7.57	20.5	691.4	181
BMO-2015-1B	917622	7/13/16		7.52	21.2	675.3	172
BMO-2015-1B	917622	11/1/16		7.44	20.4	683.6	163
BMO-2015-1B	917622	1/23/17		7.43	20.4	692.6	193
BMO-2015-1B	917622	7/12/17		7.44	20.5	697.6	190
BMO-2015-1B	917622	1/9/18		7.36	20.3	703.1	203
BMO-2015-1B	917622	7/11/18		7.39	20.3	705.9	194
BMO-2015-1B	917622	1/9/19		7.32	20.3	711.9	208
BMO-2015-1B	917622	7/17/19		7.32	20.3	726.4	203
BMO-2015-1B	917622	1/7/20		7.45	18.3	719.8	210
BMO-2015-1B	917622	8/5/20		7.34	21.0	725.0	206
BMO-2015-1B	917622	1/6/21		7.33	20.7	718.2	213
BMO-2015-1B	917622	7/14/21		7.36	20.0	728.2	192
BMO-2015-1B	917622	1/25/22		7.35	19.5	721.3	193
BMO-2015-1B	917622	7/20/22		7.56	21.3	733.7	196
BMO-2015-1B	917622	2/2/23		7.35	20.5	725.6	199
BMO-2015-1B	917622	8/3/23		7.49	21.1	706.4	194
BMO-2015-1B	917622	2/1/24		7.51	19.2	727	177
BMO-2015-1B	917622	8/7/24		7.48	21.2	741.7	195
BMO-2015-1B	917622	2/3/25		7.41	21.0	739.4	186
BMO-2015-1B	917622	8/19/25		7.40	20.1	738.4	198
BMO-2015-1BL	917621	3/12/15		7.70	20.8	708.2	221
BMO-2015-1BL	917621	4/14/15		7.55	20.7	733.4	239
BMO-2015-1BL	917621	7/23/15		7.62	22.3	747.3	259
BMO-2015-1BL	917621	10/6/15		7.74	20.8	747.3	232
BMO-2015-1BL	917621	2/3/16		7.71	19.2	736.1	219
BMO-2015-1BL	917621	2/3/16	DUP	7.71	19.2	736.1	215
BMO-2015-1BL	917621	4/5/16		7.58	21.0	767.1	231
BMO-2015-1BL	917621	7/13/16		7.49	21.6	763.8	231
BMO-2015-1BL	917621	11/1/16		7.41	20.6	770.0	221
BMO-2015-1BL	917621	1/23/17		7.39	20.5	769.1	249
BMO-2015-1BL	917621	7/12/17		7.37	20.6	780.5	253
BMO-2015-1BL	917621	1/9/18		7.38	20.5	784.5	251
BMO-2015-1BL	917621	7/11/18		7.35	20.5	791.5	253
BMO-2015-1BL	917621	1/9/19		7.30	20.4	800.5	259
BMO-2015-1BL	917621	7/17/19		7.29	20.4	797.7	255
BMO-2015-1BL	917621	1/7/20		7.38	19.6	787.0	261
BMO-2015-1BL	917621	8/5/20		7.31	21.2	820.1	266
BMO-2015-1BL	917621	1/6/21		7.30	21.7	818.6	277

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
BMO-2015-1BL	917621	3/9/21		7.35	20.8	839.6	260
BMO-2015-1BL	917621	7/14/21		7.32	20.2	840.4	268
BMO-2015-1BL	917621	1/25/22		7.26	20.0	824.8	262
BMO-2015-1BL	917621	7/20/22		7.48	21.4	845.9	255
BMO-2015-1BL	917621	2/2/23		7.48	20.4	832.9	277
BMO-2015-1BL	917621	8/3/23		7.52	21.5	825.0	274
BMO-2015-1BL	917621	2/1/24		7.61	19.3	850	252
BMO-2015-1BL	917621	8/7/24		7.42	21.2	872.6	289
BMO-2015-1BL	917621	2/3/25		7.44	21.0	864.2	271
BMO-2015-1BL	917621	8/19/25		7.38	20.0	878.2	281
BMO-2015-2B	917827	3/19/15		7.43	20.0	795.2	288
BMO-2015-2B	917827	4/14/15		7.41	20.7	832.4	271
BMO-2015-2B	917827	7/23/15		7.47	22.2	847.5	292
BMO-2015-2B	917827	10/6/15		7.60	20.9	844.3	262
BMO-2015-2B	917827	2/3/16		7.48	20.4	823.2	247
BMO-2015-2B	917827	4/5/16		7.44	21.4	849.8	258
BMO-2015-2B	917827	7/13/16		7.33	21.8	837.2	250
BMO-2015-2B	917827	11/1/16		7.26	20.6	848.1	247
BMO-2015-2B	917827	1/23/17		7.26	20.5	849.6	268
BMO-2015-2B	917827	7/12/17		7.27	20.4	847.9	273
BMO-2015-2B	917827	1/9/18		7.25	20.2	841.9	276
BMO-2015-2B	917827	7/11/18		7.17	20.4	856.9	261
BMO-2015-2B	917827	1/9/19		7.19	20.1	873.3	277
BMO-2015-2B	917827	7/17/19		7.16	20.3	875.0	270
BMO-2015-2B	917827	1/7/20		7.45	17.4	864.6	277
BMO-2015-2B	917827	8/5/20		7.22	21.1	884.1	299
BMO-2015-2B	917827	1/6/21		7.18	20.7	877.4	289
BMO-2015-2B	917827	7/14/21		7.15	20.1	895.6	270
BMO-2015-2B	917827	1/25/22		7.18	19.9	898.3	266
BMO-2015-2B	917827	1/25/22	DUP	7.18	19.9	898.3	273
BMO-2015-2B	917827	7/20/22		7.33	21.0	916.2	274
BMO-2015-2B	917827	2/2/23		7.35	19.9	889.2	282
BMO-2015-2B	917827	8/3/23		7.42	20.3	901.5	288
BMO-2015-2B	917827	1/23/24		7.49	19.1	923	280
BMO-2015-2B	917827	8/5/24		7.31	21.6	923.1	292
BMO-2015-2B	917827	8/5/24	DUP	7.31	21.6	923.1	289
BMO-2015-2B	917827	2/3/25		7.29	20.8	944.5	281
BMO-2015-2B	917827	8/19/25		7.17	19.9	965.1	285
BMO-2015-2BL	917828	3/26/15		7.29	22.3	887.1	280
BMO-2015-2BL	917828	4/14/15		7.38	20.9	860.0	305
BMO-2015-2BL	917828	7/23/15		7.43	22.1	902.3	323
BMO-2015-2BL	917828	10/6/15		7.54	21.2	890.3	304
BMO-2015-2BL	917828	2/3/16		7.45	20.5	884.7	278
BMO-2015-2BL	917828	4/5/16		7.42	21.3	903.9	296
BMO-2015-2BL	917828	4/5/16	DUP	7.42	21.3	903.9	292
BMO-2015-2BL	917828	7/13/16		7.33	21.8	903.7	296
BMO-2015-2BL	917828	11/1/16		7.24	20.8	905.7	282
BMO-2015-2BL	917828	1/23/17		7.25	20.6	909.8	315
BMO-2015-2BL	917828	7/12/17		7.23	20.7	921.0	317
BMO-2015-2BL	917828	1/9/18		7.19	20.5	915.5	320
BMO-2015-2BL	917828	7/11/18		7.14	20.5	923.8	307
BMO-2015-2BL	917828	1/9/19		7.15	20.3	924.6	320
BMO-2015-2BL	917828	7/17/19		7.11	20.5	942.6	318
BMO-2015-2BL	917828	1/7/20		7.14	17.1	918.0	323

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
BMO-2015-2BL	917828	8/5/20		7.13	21.2	946.2	327
BMO-2015-2BL	917828	8/5/20	DUP	7.13	21.2	946.2	333
BMO-2015-2BL	917828	1/6/21		7.13	20.9	941.5	336
BMO-2015-2BL	917828	7/14/21		7.11	20.3	957.5	307
BMO-2015-2BL	917828	1/25/22		7.11	20.1	944.2	309
BMO-2015-2BL	917828	7/20/22		7.30	21.8	980.3	311
BMO-2015-2BL	917828	2/2/23		7.27	19.9	965.9	337
BMO-2015-2BL	917828	2/2/23	DUP	7.27	19.9	965.9	342
BMO-2015-2BL	917828	8/3/23		7.30	20.8	961.8	328
BMO-2015-2BL	917828	1/23/24		7.45	19.2	992	322
BMO-2015-2BL	917828	8/5/24		7.27	22.0	981.8	335
BMO-2015-2BL	917828	2/3/25		7.38	21.2	1004	320
BMO-2015-2BL	917828	8/19/25		7.12	20.0	1035	329
BOOTH	914931	1/5/13		7.67	18.5	574.3	91.4
BOOTH	914931	6/14/13		7.61	51.1	604.2	95
BOOTH	914931	6/14/13	DUP	7.61	51.1	604.2	92.5
BOOTH	914931	7/17/13		7.75	23.2	497.6	75
BOOTH	914931	10/18/13		7.66	19.3	597.6	92.6
BOOTH	914931	8/2/23		7.70	21.9	662.8	150
BOOTH	914931	1/26/24		7.53	16.9	688	156
BOOTH	914931						
BURKE	212268	2/7/08		7.17	23.0	411	29.5
BURKE	212268	4/22/08		7.13	27.0	423	26
BURKE	212268	8/5/08		7.06	26.8	496	21.9
BURKE	212268	10/20/08		7.57	26.0	466	20.5
BURKE	212268	2/11/09		7.23	25.0	363	23.9
BURKE	212268	4/28/09		7.16	26.1	369	24.2
BURKE	212268	8/19/09		7.36	26.7	486	22.5
BURKE	212268	12/16/09		7.28	25.7	488	26
BURKE	212268	3/2/10		7.56	12.3	432	23.8
BURKE	212268	4/22/10		7.49	16.4	452	24.8
BURKE	212268	7/21/10		7.56	25.6	423.7	33.1
BURKE	212268	10/10/13		7.87	21.9	469.6	27.5
BURKE	212268	1/8/14		8.17	10.9	464.9	28.6
BURKE	212268	4/16/14		7.80	21.1	471.0	28.3
BURKE	212268	7/21/14		8.19	27.8	448.8	29.6
BURKE	212268	10/21/14		8.06	22.2	456.0	29.1
BURKE	212268	8/3/15		7.72	27.4	479.3	27.2
BURKE	212268	7/21/16		7.98	26.4	478.0	28.6
BURKE	212268	7/21/16	DUP	7.98	26.4	478.0	28.5
BURKE	212268	7/25/17		7.91	23.5	475.3	31.7
BURKE	212268	7/26/18		7.51	27.4	480.8	30.5
BURKE	212268	7/9/19		7.48	26.2	487.1	30.8
BURKE	212268	8/11/20		7.57	28.0	491.2	34.3
BURKE	212268	7/29/21		7.77	23.8	483.3	31.5
BURKE	212268	7/7/22		7.77	27.1	478.5	30.6
BURKE	212268	7/19/23		7.83	27.9	486.5	32.9
BURKE	212268	7/31/24		7.85	26.0	479.7	29.3
BURKE	212268	7/18/25		7.84	27.0	498.6	32.6
CHAMBERS	629807	3/6/08		7.73	17.8	408	7.7
CHAMBERS	629807	5/5/08		7.15	22.1	421	6
CHAMBERS	629807	7/14/08		7.43	23.2	434	5.8
CHAMBERS	629807	10/15/08		7.41	22.5	420	4
CHAMBERS	629807	1/27/09		7.57	21.5	312	5.3

APPENDIX C
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Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
CHAMBERS	629807	4/14/09		7.42	22.4	384	6.8
CHAMBERS	629807	7/15/09		7.83	23.4	414	4.3
CHAMBERS	629807	10/13/09		7.41	22.6	410	6.5
CHAMBERS	629807	1/26/10		7.31	21.3	416	5.7
CHAMBERS	629807	4/23/10		7.47	20.9	427.5	8.34
CHAMBERS	629807	7/21/10		7.49	23.1	430	7.75
CHAMBERS	629807	10/19/10		8.00	23.0	440	7.04
CHAMBERS	629807	1/18/11		7.47	22.4	390	7.30
CHAMBERS	629807	4/11/11		7.18	22.0	427.3	7.74
CHAMBERS	629807	7/18/11		7.18	23.8	420.2	8.18
CHAMBERS	629807	10/12/11		7.33	22.6	425.8	7.8
CHAMBERS	629807	2/6/12		7.43	21.8	434.6	9.08
CHAMBERS	629807	4/23/12		7.46	22.7	460	8.84
CHAMBERS	629807	7/17/12		7.31	22.4	410	8.41
CHAMBERS	629807	10/8/12		7.44	22.4	430.0	10.1
CHAMBERS	629807	1/10/13		7.57	21.5	440.8	9.64
CHAMBERS	629807	4/18/13		7.49	21.7	434.1	9.78
CHAMBERS	629807	7/15/13		7.40	22.7	434.6	9.81
CHAMBERS	629807	7/15/13	DUP	7.40	22.7	434.6	10.2
CHAMBERS	629807	10/10/13		7.51	21.8	439.7	10.3
CHAMBERS	629807	1/13/14		7.56	21.0	431.3	10.7
CHAMBERS	629807	4/14/14		7.48	22.2	435.9	10.9
CHAMBERS	629807	7/10/14		7.50	22.9	436.4	11.0
CHAMBERS	629807	10/17/14		7.31	22.5	456.0	10.8
CHAMBERS	629807	7/21/15		7.48	22.7	447.7	11.4
CHAMBERS	629807	7/14/16		7.49	22.8	459.8	13.2
CHAMBERS	629807	7/25/17		7.34	21.3	450.4	13.2
CHAMBERS	629807	7/10/19		7.27	28.0	417.7	6.88
COB MW-1	903992	2/22/08		6.93	21.2	1401	720
COB MW-1	903992	5/20/08		6.88	22.0	2050	980
COB MW-1	903992	7/30/08		6.88	21.7	1780	730
COB MW-1	903992	10/23/08		6.95	21.2	1690	750
COB MW-1	903992	2/12/09		6.92	21.1	1313	750
COB MW-1	903992	4/21/09		7.15	22.7	1366	720
COB MW-1	903992	7/22/09		6.94	21.6	1570	680
COB MW-1	903992	7/22/09	DUP	6.94	21.6	1570	730
COB MW-1	903992	10/22/09		6.81	22.3	1582	820
COB MW-1	903992	2/4/10		7.04	21.1	1653	680
COB MW-1	903992	4/20/10		6.92	21.8	1836	783
COB MW-1	903992	7/13/10		7.02	22.3	2004	919
COB MW-1	903992	7/14/11		6.78	21.4	1924	927
COB MW-1	903992	7/12/12		6.74	23.4	1760	805
COB MW-1	903992	2/5/13		6.95	21.5	1773	877
COB MW-1	903992	7/11/13		7.17	21.4	1858	842
COB MW-1	903992	7/9/14		6.95	21.5	2000	1000
COB MW-1	903992	7/9/14	DUP	6.95	21.5	2000	1020
COB MW-1	903992	7/27/15		6.96	21.6	1993	902
COB MW-1B	225906	7/20/16		6.63	21.8	2405	1210
COB MW-1B	225906	7/19/17		6.51	20.9	2474	1160
COB MW-1B	225906	7/24/19		6.70	20.6	1793	827
COB MW-1B	225906	7/21/21		6.75	20.8	1790	918
COB MW-1B	225906	7/21/21	DUP	6.75	20.8	1790	844
COB MW-1B	225906	8/3/22		6.96	22.3	1808	804
COB MW-1B	225906	8/2/23		6.82	21.8	1851	1050

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
COB MW-1B	225906	8/25/25		6.81	21.1	2059	1060
COB MW-2	903984	5/20/08		7.32	21.2	490	40.5
COB MW-2	903984	7/30/08		7.34	20.8	511	37.6
COB MW-2	903984	10/23/08		7.36	20.3	498	34.9
COB MW-2	903984	2/12/09		7.35	20.2	379	35.6
COB MW-2	903984	4/23/09		7.33	21.8	431	34
COB MW-2	903984	7/22/09		7.36	21.3	483	33.5
COB MW-2	903984	10/22/09		7.24	21.0	454	32.2
COB MW-2	903984	3/3/10		7.55	19.7	450	33.5
COB MW-2	903984	4/26/10		7.28	21.3	479.6	34.8
COB MW-2	903984	7/13/10		6.91	21.2	479.5	30.4
COB MW-2	903984	7/13/10	DUP	6.91	21.2	479.5	30.6
COB MW-2	903984	1/20/11		7.47	20.7	440	29.6
COB MW-2	903984	7/14/11		7.11	21.1	472.6	29.8
COB MW-2	903984	1/31/12		7.53	20.3	466.6	30.0
COB MW-2	903984	7/12/12		7.36	21.2	630	29.2
COB MW-2	903984	1/9/13		7.48	20.0	473.5	35.8
COB MW-2	903984	7/25/13		7.34	20.9	485.4	40.6
COB MW-2	903984	1/6/14		7.58	19.9	487.8	40.5
COB MW-2	903984	7/9/14		7.52	20.5	503.5	43.7
COB MW-2	903984	2/4/15		7.38	20.3	619	40.5
COB MW-2	903984	7/27/15		7.57	20.8	514.6	40.3
COB MW-2	903984	7/27/15	DUP	7.57	20.8	514.6	41.6
COB MW-2	903984	1/11/16		7.54	19.5	510.6	41.2
COB MW-2	903984	7/20/16		7.52	20.0	523.7	41.6
COB MW-2	903984	1/19/17		7.40	19.5	525.8	41.5
COB MW-2	903984	7/19/17		7.29	19.5	548.6	39.6
COB MW-2	903984	1/11/18		7.26	19.3	552.3	36.1
COB MW-2	903984	7/17/18		7.28	19.4	572.5	32.6
COB MW-2	903984	1/15/19		7.26	19.2	578.3	26.0
COB MW-2	903984	7/24/19		7.19	19.2	598.4	24.6
COB MW-2	903984	1/14/20		7.53	18.7	578.3	24.8
COB MW-2	903984	8/11/20		7.25	19.9	600.6	23.2
COB MW-2	903984	1/12/21		7.21	19.7	591.2	23.6
COB MW-2	903984	7/21/21		7.15	19.3	599.7	26.4
COB MW-2	903984	2/8/22		7.34	19.1	610.6	21.6
COB MW-2	903984	8/3/22		7.42	20.2	618.0	23.5
COB MW-2	903984	2/1/23		7.44	18.8	630.7	23.4
COB MW-2	903984	8/2/23		7.33	20.2	633.2	23.5
COB MW-2	903984	2/14/24		7.42	18.6	600	24.5
COB MW-2	903984	8/14/24		7.22	19.9	585.4	25.9
COB MW-2	903984	2/12/25		7.35	19.4	573.9	26.0
COB MW-2	903984	8/20/25		7.20	18.8	586.4	26.2
COB MW-3	906823	2/28/08		7.39	21.0	416	57.8
COB MW-3	906823	3/27/08		ND	ND	ND	57.7
COB MW-3	906823	4/30/08		ND	ND	ND	37
COB MW-3	906823	5/20/08		7.56	22.3	473	35.8
COB MW-3	906823	7/24/08		ND	ND	ND	64.9
COB MW-3	906823	7/30/08		7.64	22.3	541	67.3
COB MW-3	906823	10/9/08		ND	ND	ND	52.5
COB MW-3	906823	10/23/08		7.43	20.8	507	76.6
COB MW-3	906823	2/12/09		7.35	21.1	432	112
COB MW-3	906823	4/23/09		7.35	22.6	407	43.7
COB MW-3	906823	7/22/09		7.38	21.5	460	52.3

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
COB MW-3	906823	10/22/09		7.40	21.3	466	74.2
COB MW-3	906823	10/22/09	DUP	7.40	21.3	466	73.9
COB MW-3	906823	3/3/10		7.36	21.1	480	102
COB MW-3	906823	4/26/10		7.35	22.0	497.9	77.6
COB MW-3	906823	7/13/10		7.41	21.7	456.7	46.5
COB MW-3	906823	7/14/11		7.19	21.8	440.0	40.1
COB MW-3	906823	7/12/12		7.34	21.4	450	39.5
COB MW-3	906823	2/5/13		7.60	20.4	476.4	65.1
COB MW-3	906823	2/5/13	DUP	7.60	20.4	476.4	64.7
COB MW-3	906823	7/25/13		7.42	21.4	485.0	66.6
COB MW-3	906823	7/9/14		7.61	21.4	525.3	90.9
COB MW-3	906823	7/27/15		7.56	21.6	560.3	105
COB MW-3	906823	7/20/16		7.48	20.4	507.4	72.7
COB MW-3	906823	7/19/17		7.34	20.2	529.5	84.1
COB MW-3	906823	7/17/18		7.37	20.0	528.5	92.7
COB MW-3	906823	7/24/19		7.38	19.7	498.8	68.5
COB MW-3	906823	8/11/20		7.48	20.4	485.8	59.0
COB MW-3	906823	7/21/21		7.33	19.7	534.5	95.8
COB MW-3	906823	8/3/22		7.50	20.8	555.4	91.3
COB MW-3	906823	8/3/23		7.55	19.8	495.5	61.8
COB MW-3	906832	8/14/24		7.45	20.3	455.2	58.0
COB MW-3	906832	8/14/24	DUP	7.45	20.3	455.2	57.9
COB MW-3	906832	8/20/25		7.32	19.4	541.7	83.9
COB WL	593116	2/22/08		6.99	20.6	919	90
COB WL	593116	3/24/08		ND	ND	ND	98.2
COB WL	593116	4/28/08		ND	ND	ND	98.7
COB WL	593116	5/20/08		7.30	21.9	1053	98
COB WL	593116	7/30/08		7.17	22.0	1098	97.1
COB WL	593116	7/30/08		ND	ND	ND	100
COB WL	593116	10/15/08		ND	ND	ND	107
COB WL	593116	10/23/08		7.23	21.4	1075	104
COB WL	593116	2/12/09		6.98	20.6	814	94
COB WL	593116	4/23/09		7.29	22.2	923	98
COB WL	593116	7/22/09		7.17	22.5	1037	97.3
COB WL	593116	10/22/09		7.17	22.4	988	96.1
COB WL	593116	3/3/10		7.48	21.1	1030	97.1
COB WL	593116	4/26/10		7.36	21.9	1038	97.7
COB WL	593116	4/26/10	DUP	7.36	21.9	1038	97.9
COB WL	593116	7/13/10		7.18	22.3	1013	88.7
COB WL	593116	7/14/11		6.91	21.6	1019	87.3
COB WL	593116	7/12/12		7.07	23.2	1060	92.0
COB WL	593116	2/5/13		7.91	21.5	1057	98.3
COB WL	593116	7/25/13		7.23	22.7	1074	97.6
COB WL	593116	7/9/14		7.42	21.8	1132	81.5
COB WL	593116	2/4/15		6.90	23.3	1488	73.7
COB WL	593116	7/27/15		7.25	22.9	1221	69.6
COB WL	593116	1/11/16		7.25	20.4	1195	73.5
COB WL	593116	7/20/16		7.12	22.5	1184	74.4
COB WL	593116	1/25/17		7.07	21.5	1167	79.8
COB WL	593116	7/14/17		7.07	21.9	1162	80.4
COB WL	593116	1/11/18		7.07	21.7	1169	77.3
COB WL	593116	7/9/18		7.21	21.8	1165	73.0
COB WL	593116	7/9/18	DUP	7.21	21.8	1165	74.5
COB WL	593116	1/7/19		6.97	21.5	1163	73.1

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
COB WL	593116	1/7/19	DUP	6.97	21.5	1163	74.0
COB WL	593116	7/15/19		7.10	22.2	1154	71.2
COB WL	593116	1/7/20		7.21	20.5	1122	76.1
COB WL	593116	8/4/20		7.06	23.4	1108	84.8
COB WL	593116	1/6/21		7.09	22.8	1102	77.0
COB WL	593116	7/12/21		7.13	22.7	1082	89.9
COB WL	593116	8/3/22		7.02	21.7	1068	72.8
COB WL	593116	2/1/23		7.11	20.1	1048	78.3
COB WL	593116	8/10/23		7.00	20.2	1027	71.6
COB WL	593116	8/10/23	DUP	7.00	20.2	1027	72.1
COB WL	593116	2/14/24		7.39	19.3	1017	69.9
COB WL	593116	8/14/24		6.99	20.7	1036	73.7
COB WL	593116	2/12/25		7.13	20.3	996.6	67.1
COLLINS	565260	2/12/08		6.88	21.6	1470	520
COLLINS	565260	5/29/08		7.01	22.0	1459	520
COLLINS	565260	7/31/08		6.86	21.6	1502	536
COLLINS	565260	10/20/08		8.44	24.7	1510	518
COLLINS	565260	2/11/09		6.68	21.4	1147	567
COLLINS	565260	4/21/09		6.92	22.5	1150	499
COLLINS	565260	7/22/09		7.00	22.4	1413	460
COLLINS	565260	10/20/09		6.60	21.9	1432	513
COLLINS	565260	2/2/10		6.98	21.2	1439	471
COLLINS	565260	4/23/10		6.99	20.6	1472	561
COLLINS	565260	7/20/10		6.69	25.0	1420	569
COLLINS	565260	7/17/13		6.97	21.6	1409	519
COOPER	623564	2/14/08		7.02	20.8	371	33
COOPER	623564	5/14/08		8.08	22.1	419	34.2
COOPER	623564	7/31/08		7.81	28.4	455	33.7
COOPER	623564	10/20/08		8.44	24.7	448	31.2
COOPER	623564	2/11/09		7.32	19.2	333	34.3
COOPER	623564	4/21/09		8.19	24.9	346	33.4
COOPER	623564	7/20/09		8.45	29.8	430	32.3
COOPER	623564	10/14/09		7.85	24.6	423	33.6
COOPER	623564	2/1/10		7.83	13.6	433	32.4
COOPER	623564	4/22/10		7.82	17.9	433	34.5
COOPER	623564	7/19/10		7.98	29.3	420	35.0
COOPER	623564	10/18/10		7.12	73.1	450	33.1
COOPER	623564	1/19/11		8.83	18.4	410	32.1
COOPER	623564	4/11/11		7.65	21.0	442.6	34.3
COOPER	623564	7/11/11		7.45	24.2	426.5	32.1
COOPER	623564	11/22/11		7.86	20.6	426.1	33.7
COOPER	623564	2/1/12		7.97	21.8	429.2	34.1
COOPER	623564	4/10/12		7.41	22.4	426.8	32.5
COOPER	623564	7/18/12		7.45	22.9	430	33.4
COOPER	623564	10/9/12		7.70	22.1	432.8	34.3
COOPER	623564	1/11/13		7.76	21.5	434.1	32.7
COOPER	623564	4/10/13		7.72	21.1	427.5	31
COOPER	623564	7/11/13		7.65	23.2	432.5	31.9
COOPER	623564	10/7/13		7.68	22.7	430.5	31.4
COOPER	623564	1/16/14		7.65	21.6	431.7	30.8
COOPER	623564	4/10/14		7.66	22.3	433.1	31.5
COOPER	623564	7/10/14		7.68	22.4	428.8	32.2
COOPER	623564	10/8/14		7.37	23.5	408	31.1
COOPER	623564	1/27/15		7.67	20.5	411	29.8

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
COOPER	623564	8/3/15		7.67	22.7	421.3	27.1
COOPER	623564	3/31/16		7.52	22.4	410	28.8
COOPER	623564	7/25/16		7.62	22.4	420.2	27.3
COOPER	623564	1/25/17		7.56	20.8	412.8	26.2
COOPER	623564	7/17/17		7.48	21.6	417.1	35.6
COOPER	623564	1/16/18		7.45	20.8	402.8	26.1
COOPER	623564	7/16/18		7.45	21.8	415.8	25.5
COOPER	623564	1/16/19		7.45	20.5	412.0	23.7
COOPER	623564	7/8/19		7.50	22.3	417.1	23.4
COOPER	623564	1/21/20		7.08	21.2	418.9	20.9
COOPER	623564	1/21/20	DUP	7.08	21.2	418.9	21.2
COOPER 988	232988	7/16/21		7.97	24.1	414.0	18.5
COOPER 988	232988	7/16/21	DUP	7.97	24.1	414.0	18.5
COOPER 988	232988	1/28/22		7.79	14.9	397.5	16.3
COOPER 988	232988	7/8/22		8.03	28.1	417.2	17.1
COOPER 988	232988	7/8/22	DUP	8.03	28.1	417.2	17.1
COOPER 988	232988	1/24/23		8.06	12.9	401.6	17.6
COOPER 988	232988	7/19/23		8.07	28.6	406.9	17.3
COOPER 988	232988	1/22/24		8.23	13.3	400	17.7
COOPER 988	232988	8/5/24		8.27	27.9	415.6	17.8
COOPER 988	232988	2/5/25		8.07	18.5	405.0	17.6
COOPER 988	232988	7/11/25		7.99	26.7	411.3	17.5
COOPER C	637069	3/20/08		6.93	21.3	2081	880
COOPER C	637069	5/5/08		6.78	22.4	2139	990
COOPER C	637069	7/15/08		6.86	22.3	2162	1040
COOPER C	637069	7/15/08	DUP	6.86	22.3	2162	960
COOPER C	637069	10/16/08		6.80	21.4	2078	1020
COOPER C	637069	1/27/09		6.92	20.5	1489	950
COOPER C	637069	4/14/09		6.85	21.6	1833	930
COOPER C	637069	7/14/09		6.75	22.1	1972	910
COOPER C	637069	10/12/09		6.70	21.8	1858	830
COOPER C	637069	1/27/10		7.27	19.6	1930	620
COOPER C	637069	4/22/10		6.76	19.5	1921	884
COOPER C	637069	7/21/10		6.84	22.9	1761	921
COOPER C	637069	10/20/10		7.16	20.9	1980	829
COOPER C	637069	1/17/11		6.95	20.5	1880	756
COOPER C	637069	4/11/11		6.82	21.0	1942	834
COOPER C	637069	8/26/11		6.84	21.8	1800	847
COOPER C	637069	2/1/12		7.13	20.5	2024	867
COOPER C	637069	4/25/12		6.83	21.5	1960	817
COOPER C	637069	7/11/12		6.48	22.8	2030	834
COOPER C	637069	10/10/12		6.98	21.2	1985	863
COOPER C	637069	2/27/13		6.58	20.9	1805	821
COOPER C	637069	5/8/13		6.41	20.7	1744	798
COOPER C	637069	8/13/13		6.69	21.2	1739	756
COOPER C	637069	11/1/13		6.61	21.2	1624	738
COOPER C	637069	2/10/14		6.69	21.6	1616	715
COOPER C	637069	5/7/14		6.48	22.5	1612	686
COOPER C	637069	7/21/14		6.63	23.1	1548	671
COOPER C	637069	11/13/14		6.87	22.4	1520	638
COOPER C	637069	9/10/15		6.84	22.8	1997	641
COOPER C	637069	8/18/16		6.92	25.2	1468	647
COOPER C	637069	7/13/17		6.99	23.0	1461	639
COOPER C	637069	7/25/18		6.95	22.2	1545	661

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
COOPER C	637069	8/19/19		7.01	21.3	1568	623
COOPER C	637069	8/17/20		6.97	21.9	1546	599
COOPER C	637069	7/27/21		6.88	22.5	1523	657
COOPER C	637069	7/25/22		6.93	24.8	1511	674
COOPER C	637069	9/12/23		6.94	24.4	1375	725
DODSON	644927	2/20/08		7.61	17.3	857	54
DODSON	644927	5/12/08		7.11	21.1	1118	34.2
DODSON	644927	7/24/08		7.25	21.6	1233	49.3
DODSON	644927	10/13/08		7.15	20.5	1095	56.9
DODSON	644927	1/22/09		7.20	20.4	892	51.8
DODSON	644927	4/9/09		7.09	21.4	1103	50.1
DODSON	644927	7/8/09		7.18	21.1	1153	55.9
DODSON	644927	10/6/09		7.07	21.1	1140	49.3
DODSON	644927	1/21/10		7.15	18.9	1227	44.6
DODSON	644927	4/19/10		7.46	19.9	1261	48.8
DODSON	644927	4/19/10	DUP	7.46	19.9	1261	48.6
DODSON	644927	7/20/10		7.16	22.7	1260	47.5
DODSON	644927	10/18/10		6.43	21.2	1260	49.3
DODSON	644927	1/19/11		7.88	19.5	1120	57.9
DODSON	644927	4/5/11		7.03	20.9	1300	49.0
DODSON	644927	7/12/11		6.86	23.7	1352	52.9
DODSON	644927	10/10/11		6.79	20.9	1280	50.9
DODSON	644927	10/10/11	DUP	6.79	20.9	1280	49.6
DODSON	644927	1/31/12		7.17	20.3	1454	50.4
DODSON	644927	4/12/12		7.06	20.6	1492	45.4
DODSON	644927	7/11/12		7.10	21.5	1790	54.0
DODSON	644927	10/4/12		7.27	20.6	1626	48.7
DODSON	644927	1/18/13		7.27	20.2	1743	51.8
DODSON	644927	1/18/13	DUP	7.27	20.2	1743	51.6
DODSON	644927	4/9/13		7.33	19.6	1886	74.4
DODSON	644927	7/9/13		7.39	21.0	1825	53.6
DODSON	644927	10/9/13		7.24	20.2	1612	63.3
DODSON	644927	1/9/14		7.31	19.7	1586	61.4
DODSON	644927	4/15/14		7.24	20.7	1636	58.5
DODSON	644927	7/14/14		7.27	21.9	1651	54.4
DODSON	644927	10/16/14		7.12	21.3	1706	53.2
DODSON	644927	1/26/15		7.46	20.2	1650	59.5
DODSON	644927	1/26/15	DUP	7.46	20.2	1650	59.9
DODSON	644927	7/23/15		7.34	21.1	1716	60.8
DODSON	644927	1/12/16		7.41	18.6	1749	49.2
DODSON	644927	7/18/16		7.28	20.7	2233	49.1
DODSON	644927	1/26/17		7.06	19.8	2049	45.9
DODSON	644927	7/17/17		7.07	19.9	1920	46.1
DODSON	644927	1/17/18		7.01	19.6	1922	45.4
DODSON	644927	7/30/18		7.05	19.4	2408	39.1
DODSON	644927	1/15/19		6.49	19.5	2322	38.9
DODSON	644927	7/9/19		6.94	20.8	2362	35.3
DODSON	644927	1/15/20		7.27	19.1	2275	42.3
DODSON	644927	8/13/20		6.87	20.6	2215	45.2
DODSON	644927	1/11/21		7.07	20.2	2153	48.7
DODSON	644927	7/21/21		7.07	20.7	2101	48.4
DODSON	644927	1/28/22		7.33	18.7	2131	45.4
DODSON	644927	7/8/22		7.14	22.2	2117	63.7
DODSON	644927	1/23/23		7.23	17.9	1895	48.2

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
DODSON	644927	7/25/23		7.18	21.5	2026	56.4
DODSON	644927	1/17/24		7.29	19.3	1985	45.1
DODSON	644927	1/17/24	DUP	7.29	19.3	1985	69.9
DODSON	644927	7/30/24		7.12	21.0	1972	46.9
DODSON	644927	2/6/25		7.17	20.6	1980	48.7
DODSON	644927	7/16/25		7.09	21.4	1989	49.2
DURAZO	NR	2/10/09		7.22	18.8	848	386
DURAZO	NR	4/20/09		7.37	22.7	901	367
DURAZO	NR	7/15/09		7.57	22.8	1102	332
DURAZO	NR	10/14/09		7.17	21.9	1048	377
DURAZO	NR	2/1/10		7.30	21.1	1105	344
DURAZO	NR	4/26/10		7.22	23.1	1099	388
DURAZO	NR	7/20/10		7.28	23.0	1070	405
DURAZO	NR	10/19/10		7.28	21.9	1112	398
DURAZO	NR	1/19/11		7.94	21.6	1050	360
DURAZO	NR	4/4/11		7.20	21.9	1119	383
DURAZO	NR	7/14/11		7.01	23.6	1101	409
DURAZO	NR	10/12/11		7.23	24.9	1000	396
DURAZO	NR	2/7/12		7.26	25.3	1152	404
DURAZO	NR	4/12/12		7.41	21.8	1101	407
EAST	599796	2/8/08		7.45	19.9	423	10.6
EAST	599796	5/14/08		7.31	20.9	595	14.8
EAST	599796	7/23/08		7.34	20.8	605	11.8
EAST	599796	10/14/08		7.33	20.3	531	8.9
EAST	599796	1/20/09		7.33	20.0	482	12.5
EAST	599796	4/8/09		7.32	20.6	555	15.9
EAST	599796	7/13/09		7.33	21.2	613	13.8
EAST	599796	10/8/09		7.29	20.8	593	13.4
EAST	599796	1/25/10		7.08	19.0	585	10.7
EAST	599796	4/21/10		7.42	20.5	616	14.4
EAST	599796	4/21/10	DUP	7.42	20.5	616	13.9
EAST	599796	7/14/10		7.45	22.2	577.1	12.1
EAST	599796	10/20/10		7.64	21.2	650	12.1
EAST	599796	1/18/11		7.44	21.0	615.9	13.1
EAST	599796	4/5/11		7.19	20.8	612.5	13.8
EAST	599796	7/12/11		7.23	21.7	595.1	12.7
EAST	599796	10/12/11		7.31	21.4	599.7	15.1
EAST	599796	10/12/11	DUP	7.31	21.4	599.7	15.1
EAST	599796	1/31/12		7.24	20.0	610	12.8
EAST	599796	4/11/12		7.53	20.6	609.3	14.6
EAST	599796	7/9/12		7.20	21.1	580	14.2
EAST	599796	10/4/12		7.49	20.4	623.8	15.0
EAST	599796	1/17/13		7.46	20.0	613.0	13.1
EAST	599796	4/9/13		7.54	19.6	597.7	12.2
EAST	599796	7/9/13		7.46	21.2	603.6	12.1
EAST	599796	10/15/13		7.51	20.2	622.6	17.2
EAST	599796	1/14/14		7.54	20.2	632.2	15.5
EAST	599796	1/14/14	DUP	7.54	20.2	632.2	15.5
EAST	599796	4/8/14		7.44	20.5	634.7	15.3
EAST	599796	7/8/14		7.43	20.7	618.8	13.1
EAST	599796	10/22/14		7.23	22.8	601.0	20.7
EAST	599796	7/24/15		7.5	21.0	626.5	13.1
EAST	599796	7/12/16		7.30	21.3	615.9	14.7
EAST	599796	7/27/17		7.22	19.8	620.9	14.2

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
EAST	599796	7/30/18		7.26	19.8	605.9	12.4
EAST	599796	7/17/19		7.25	19.6	603.8	11.8
EAST	599796	8/13/20		7.17	20.3	612.3	12.2
EAST	599796	7/23/21		7.22	20.6	603.0	12.7
EAST	599796	7/7/22		7.54	19.6	619.1	11.9
EAST	599796	7/27/23		7.34	21.2	600.8	11.6
EAST	599796	7/31/24		7.34	20.9	609.6	11.6
EAST	599796	8/22/25		7.37	19.8	630.8	13.2
ECHAVE	219449	2/1/12		7.39	20.7	390.0	26.7
ECHAVE	219449	4/23/12		7.50	22.5	440.0	26.4
ECHAVE	219449	7/17/12		7.44	22.2	430	26.1
ECHAVE	219449	10/9/12		7.69	21.9	404.7	26.1
ECHAVE	219449	10/9/12	DUP	7.69	21.9	404.7	26.0
ECHAVE	219449	1/18/13		7.61	21.7	408.5	25.4
ECHAVE	219449	5/14/13		7.74	22.2	400.2	25.2
ECHAVE	219449	7/17/13		7.81	22.1	406.4	24.3
ECHAVE	219449	10/8/13		7.66	21.4	404.3	24.5
ECHAVE	219449	1/13/14		7.68	21.0	412.4	25.7
ECHAVE	219449	4/10/14		7.67	21.4	409.3	26.4
ECHAVE	219449	7/17/14		7.68	21.6	405.0	26.7
ECHAVE	219449	10/22/14		7.43	21.4	406.0	25.9
ECHAVE	219449	8/3/15		7.88	28.7	406.8	24.6
ECHAVE	219449	7/22/16		7.86	27.5	391.5	24.7
ECHAVE	219449	7/28/17		7.59	25.1	403.2	25.7
ECHAVE	219449	7/17/18		7.68	24.3	397.5	24.1
ECHAVE	219449	7/23/19		7.54	26.3	398.3	23.0
ECHAVE	219449	8/10/20		7.74	30.4	397.0	22.2
ECHAVE	219449	7/21/21		7.70	26.1	390.3	22.7
ECHAVE	219449	7/12/22		7.73	27.2	392.8	19.5
ECHAVE	219449	7/21/23		7.67	28.7	391.6	18.9
ECHAVE	219449	7/25/24		7.75	27.3	387	18.1
ECHAVE	219449	7/10/25		7.75	30.8	389.3	17.2
EPPELE 641	805641	3/11/08		7.98	21.4	646	21.7
EPPELE 641	805641	5/12/08		7.21	21.7	667	24.7
EPPELE 641	805641	7/21/08		7.49	23.9	605	19
EPPELE 641	805641	10/14/08		7.56	20.4	642	21.8
EPPELE 641	805641	1/21/09		7.60	21.1	500	22.7
EPPELE 641	805641	4/8/09		7.56	22.4	538	19.7
EPPELE 641	805641	7/9/09		7.43	24.3	550	17.5
EPPELE 641	805641	7/20/10		7.58	23.3	529.2	21.1
EPPELE 641	805641	10/20/10		7.66	21.0	572.1	17.2
EPPELE 641	805641	1/17/11		7.43	21.0	576.4	17.3
EPPELE 641	805641	4/5/11		7.43	21.5	569.2	16.7
EPPELE 641	805641	7/11/11		7.27	23.5	563.1	18.6
EPPELE 641	805641	7/11/11	DUP	7.27	23.5	563.1	18.3
EPPELE 641	805641	10/12/11		7.38	20.9	500.0	19.6
EPPELE 641	805641	1/31/12		7.68	19.9	560.8	18.2
EPPELE 641	805641	4/11/12		7.74	20.6	563.8	19.5
EPPELE 641	805641	4/11/12	DUP	7.74	20.6	563.8	19.6
EPPELE 641	805641	7/6/12		7.60	21.7	560	18.8
EPPELE 641	805641	10/3/12		7.84	20.7	558.8	19.5
EPPELE 641	805641	1/17/13		7.76	19.1	559.6	18.8
EPPELE 641	805641	4/8/13		7.71	20.4	564.1	17.5
EPPELE 641	805641	4/8/13	DUP	7.71	20.4	564.1	17.4

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
EPPELE 641	805641	7/9/13		7.66	21.9	570.1	17.5
EPPELE 641	805641	10/15/13		7.86	21.1	682.5	31.9
EPPELE 641	805641	1/14/14		7.97	19.1	602.8	29.0
EPPELE 641	805641	4/8/14		7.60	19.4	600.2	21.5
EPPELE 641	805641	7/8/14		7.65	21.0	596.9	21.6
EPPELE 641	805641	10/21/14		7.22	22.2	659	32.2
EPPELE 641	805641	7/24/15		7.60	21.2	638.1	22.6
EPPELE 641	805641	7/12/16		7.84	24.6	576.6	18.9
EPPELE 641	805641	7/12/16	DUP	7.84	24.6	576.6	18.9
EPPELE 641	805641	7/27/17		7.70	21.4	563.1	18.8
EPPELE 641	805641	7/31/18		7.78	21.6	558.9	17.8
EPPELE 641	805641	2/8/22		7.45	20.1	582.0	20.8
EPPELE 641	805641	1/11/23		ND	20.7	556.8	21.0
FLEMING	218386	7/15/10		6.98	24.2	1390	573
FRANCO 101	500101	2/6/08		7.47	19.6	1301	670
FRANCO 101	500101	5/5/08		6.93	23.1	1557	680
FRANCO 101	500101	7/14/08		7.00	22.7	1586	680
FRANCO 101	500101	10/15/08		7.20	20.5	1560	680
FRANCO 101	500101	1/22/09		7.19	20.1	1178	740
FRANCO 101	500101	4/14/09		7.24	23.1	1416	690
FRANCO 101	500101	7/13/09		7.30	27.3	1532	670
FRANCO 101	500101	10/12/09		7.16	24.2	1493	650
FRANCO 101	500101	1/26/10		6.91	18.5	1529	640
FRANCO 101	500101	4/23/10		7.43	15.8	1559	699
FRANCO 101	500101	7/13/10		7.48	28.6	901.6	188
FRANCO 383	221383	9/13/12		7.66	25.0	1005	318
FRANCO 383	221383	10/5/12		7.63	24.4	1002	324
FRANCO 383	221383	11/13/12		7.67	19.8	988.2	349
FRANCO 383	221383	12/3/12		7.54	19.4	1001	332
FRANCO 383	221383	1/15/13		7.52	13.5	1010	333
FRANCO 383	221383	2/6/13		7.55	18.9	1004	353
FRANCO 383	221383	3/7/13		7.4	20.5	979.9	338
FRANCO 383	221383	4/10/13		7.7	20.4	1000	335
FRANCO 383	221383	7/10/13		7.69	25.7	1018	335
FRANCO 383	221383	10/16/13		7.63	21.9	1018	350
FRANCO 383	221383	1/14/14		7.68	20.1	1039	345
FRANCO 383	221383	4/8/14		7.68	24.3	1044	351
FRANCO 383	221383	4/8/14	DUP	7.68	24.3	1044	330
FRANCO 383	221383	7/14/14		7.63	26.5	1030	349
FRANCO 383	221383	10/8/14		7.47	23.5	954	335
FRANCO 383	221383	7/27/15		7.68	27.3	1047	322
FRANCO 383	221383	7/18/16		7.63	26.0	1040	339
FRANCO 383	221383	7/20/17		7.36	24.9	1056	337
FRANCO 383	221383	7/27/18		7.42	25.8	1063	371
FRANCO 383	221383	7/24/19		7.42	24.9	1085	349
FRANCO 383	221383	8/12/20		7.40	26.5	1105	367
FRANCO 383	221383	7/22/21		7.36	26.3	1101	392
FRANCO 383	221383	7/7/22		7.59	28.2	1077	367
FRANCO 383	221383	7/27/23		7.61	28.5	1119	458
FRANCO 383	221383	8/15/24		7.57	26.5	1148	388
FRANCO 383	221383	7/16/25		7.45	26.3	1149	375
FULTZ	212447	2/27/08		6.76	21.1	1827	152
FULTZ	212447	4/21/08		6.74	22.0	1739	137
FULTZ	212447	5/14/08		6.88	22.3	1532	131

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
FULTZ	212447	6/23/08		6.74	22.0	1788	111
FULTZ	212447	7/29/08		6.74	22.2	1989	152
FULTZ	212447	8/28/08		M	21.6	1889	137
FULTZ	212447	9/23/08		6.82	21.9	1821	137
FULTZ	212447	10/22/08	DUP	6.80	21.4	1940	145
FULTZ	212447	1/21/09		6.74	21.2	1481	82
FULTZ	212447	4/9/09		6.78	21.5	1695	138
FULTZ	212447	7/13/09		7.04	23.4	1452	81
FULTZ	212447	10/8/09		7.00	21.6	1262	72
FULTZ	212447	10/8/09	DUP	7.00	21.6	1262	71.8
FULTZ	212447	1/25/10		7.11	21.8	1282	66.7
FULTZ	212447	4/20/10		7.32	21.2	1202	68.3
FULTZ	212447	7/14/10		7.75	22.2	1132	57.0
FULTZ	212447	10/20/10		7.27	20.5	1091	54.7
FULTZ	212447	1/18/11		7.23	20.4	1136	56.9
FULTZ	212447	4/5/11		7.08	22.1	1082	49.5
FULTZ	212447	4/5/11	DUP	7.08	22.1	1082	51.7
FULTZ	212447	8/25/11		6.45	23.3	940	50.6
FULTZ	212447	10/12/11		7.22	21.7	870	48.5
FULTZ	212447	7/11/22		7.39	21.3	808.2	49.8
FULTZ	212447	9/11/24		7.45	21.6	852.1	74.5
FULTZ	212447	8/18/25		7.41	20.7	794.6	57.4
GALLANT	502527	2/11/08		7.46	20.2	604	17.9
GALLANT	502527	7/23/08		7.26	21.2	925	20.9
GARNER 635	587635	2/4/08		7.61	22.7	479	37.8
GARNER 635	587635	5/5/08		7.26	24.9	468	35.8
GARNER 635	587635	7/15/08		7.63	25.6	480	37.4
GARNER 635	587635	10/15/08		7.65	24.1	472	36
GARNER 635	587635	1/28/09		7.69	23.4	368	37.4
GARNER 635	587635	4/15/09		7.83	24.1	412	36.9
GARNER 635	587635	7/16/09		7.56	25.1	445	35.7
GARNER 635	587635	10/14/09		7.58	25.2	446	36.1
GARNER 635	587635	2/2/10		7.79	22.8	465	35.1
GARNER 635	587635	4/22/10		7.84	23.7	464.1	36.9
GARNER 635	587635	7/20/10		7.57	25.3	458.2	38.8
GARNER 635	587635	10/19/10		8.23	25.4	510	37.9
GARNER 635	587635	1/19/11		7.82	24.1	463.4	35.7
GARNER 635	587635	1/19/11	DUP	7.82	24.1	463.4	35.7
GARNER 635	587635	4/6/11		7.76	23.4	467.4	35.8
GARNER 635	587635	7/15/11		7.19	25.0	457.40	37.7
GARNER 635	587635	10/11/11		7.57	24.2	400.0	38
GARNER 635	587635	2/2/12		7.38	22.7	469.5	39.2
GARNER 635	587635	4/13/12		7.62	24.0	460.0	33.5
GARNER 635	587635	7/11/12		7.52	24.9	520	37.7
GARNER 635	587635	7/11/12	DUP	7.52	24.9	520	37.2
GARNER 635	587635	10/5/12		8.09	23.1	472.9	39.1
GARNER 635	587635	1/11/13		7.83	23.7	470.8	38.7
GARNER 635	587635	4/15/13		7.79	23.4	471.5	40
GARNER 635	587635	7/10/13		7.9	25.0	469.5	36.7
GARNER 635	587635	10/11/13		7.78	24.0	476.7	38.8
GARNER 635	587635	1/17/14		7.81	23.2	473.6	41
GARNER 635	587635	4/15/14		7.74	23.7	470.7	40.4
GARNER 635	587635	7/26/17		7.46	23.4	474.1	40.6
GARNER 635	587635	7/24/18		7.48	23.9	468.1	41.7

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
GARNER 635	587635	7/15/19		7.49	23.4	473.6	41.2
GARNER 635	587635	8/6/20		7.51	24.2	473.6	36.3
GARNER 635	587635	7/21/21		7.52	24.1	471.9	38.0
GARNER 635	587635	7/12/22		7.62	25.9	468.6	37.2
GARNER 635	587635	7/24/23		7.63	25.5	472.4	37.3
GARNER 635	587635	7/31/24		7.57	24.0	472.6	31.8
GARNER 635	587635	7/7/25		7.70	25.5	454.2	36.5
GARNER 635	587635	7/7/25	DUP	7.70	25.5	454.2	36.5
GGOOSE 547	628547	5/21/08		7.08	22.7	856	199
GGOOSE 547	628547	8/15/08		7.02	24.8	915	178
GGOOSE 547	628547	10/29/08		7.27	22.6	897	216
GGOOSE 547	628547	2/24/09		7.06	23.8	851	186
GGOOSE 547	628547	5/14/09		7.15	23.9	743	174
GGOOSE 547	628547	8/19/09		7.20	23.8	887	175
GGOOSE 547	628547	11/11/09		7.15	23.1	897	188
GL-03	539782	3/4/08		7.43	25.7	417	20.3
GL-03	539782	5/22/08		7.06	25.3	647	43.3
GL-03	539782	8/4/08		7.10	26.8	673	36.1
GL-03	539782	11/12/08		7.21	25.2	478	34.9
GL-03	539782	2/26/09		7.05	26.5	603	54.8
GL-03	539782	5/5/09		6.91	28.1	682	43.9
GL-03	539782	8/1/09		7.12	27.4	768	43.1
GL-03	539782	11/10/09		6.96	27.0	692	49
GL-03	539782	3/2/10		7.36	24.9	693	43.4
GL-03	539782	3/2/10	DUP	7.36	24.9	693	45.1
GL-03	539782	4/9/10		6.17	25.6	556	48.1
GL-03	539782	7/7/10		6.48	26.3	546	44.4
GL-03	539782	2/1/12		6.57	24.1	559	42.0
HARDT	NR	2/5/13		7.15	17.5	670.6	17.7
HOBAN	805290	2/27/08		6.93	22.1	1359	510
HOBAN	805290	5/7/08		6.88	22.3	1532	670
HOBAN	805290	7/14/08		6.88	23.1	1719	690
HOBAN	805290	10/16/08		6.98	22.4	1624	692
HOBAN	805290	1/28/09		6.82	21.3	1220	580
HOBAN	805290	4/15/09		7.07	21.7	1423	700
HOBAN	805290	7/14/09		6.78	22.6	1551	670
HOBAN	805290	10/15/09		6.75	22.7	1487	670
HOBAN	805290	10/15/09	DUP	6.75	22.7	1487	780
HOBAN	805290	3/2/10		7.12	19.8	1575	580
HOBAN	805290	8/31/11		6.64	22.3	1772	893
HOBAN	805290	12/14/11		6.68	20.2	1870	944
HOBAN	805290	2/1/12		6.74	20.9	1900	993
HOBAN	805290	4/19/12		6.81	21.5	1805	868
HOBAN	805290	7/11/12		6.86	21.4	1906	1110
HOBAN	805290	10/17/12		6.74	22.0	1846	1040
HOBAN	805290	2/15/13		6.64	20.7	1934	954
HOBAN	805290	5/8/13		6.6	21.4	1903	1060
HOBAN	805290	8/13/13		6.85	21.6	1925	1030
HOBAN	805290	11/1/13		6.74	21.0	1920	1070
HOBAN	805290	2/10/14		6.64	21.0	1950	991
HOBAN	805290	5/7/14		6.69	21.1	1958	1030
HOBAN	805290	7/21/14		6.69	21.6	1903	1030
HOBAN	805290	11/13/14		6.88	21.7	1965	1020
HOBAN	805290	9/10/15		6.82	22.1	1922	1030

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
HOBAN	805290	8/18/16		6.77	22.0	1922	1050
HOBAN	805290	7/13/17		6.77	21.7	1924	1270
HOBAN	805290	7/13/17	DUP	6.77	21.7	1924	1050
HOBAN	805290	7/25/18		7.01	22.2	1907	998
HOBAN	805290	8/7/19		6.90	22.2	1798	923
HOBAN	805290	9/8/20		7.15	24.4	1487	637
HOBAN	805290	9/20/21		6.91	21.7	1182	477
HOBAN	805290	7/25/22		7.19	22.1	868	309
HOBAN	805290	7/25/22	DUP	7.19	22.1	868	310
HOBAN	805290	9/12/23		7.37	21.6	744	334
HOBAN	805290	8/28/24		7.16	21.8	1065	213
HOBAN	805290	9/2/25		7.19	21.8	1109	496
HOWARD 312	221312	8/14/12		8.35	26.3	629.3	69.2
HOWARD 312	221312	10/16/12		8.18	26.6	648.3	68.1
HOWARD 312	221312	2/6/13		8.18	24.1	650.3	71.9
HOWARD 312	221312	4/9/13		8.2	24.3	621	67.5
HOWARD 312	221312	7/12/13		8.25	26.8	624.9	67.9
HOWARD 312	221312	10/16/13		8.12	25.6	623.7	70.2
HOWARD 312	221312	1/8/14		8.22	24.8	620.1	70.8
HOWARD 312	221312	4/10/14		8.14	26	621.7	66.1
HOWARD 312	221312	4/10/14	DUP	8.14	26	621.7	68.2
HOWARD 312	221312	7/14/14		8.16	26.6	618.3	69.1
HOWARD 312	221312	10/10/14		7.99	26.4	621.0	66.8
HOWARD 312	221312	7/31/15		8.17	27.4	618.8	67.5
HOWARD 312	221312	7/27/16		8.12	26.3	612.6	67.9
HOWARD 312	221312	7/21/17		8.00	26.0	616.4	65.8
HOWARD 312	221312	7/23/18		8.05	26.1	614.7	70.7
HOWARD 312	221312	7/9/19		7.96	25.9	607.8	65.6
HOWARD 312	221312	7/21/20		8.07	26.7	611.7	75.7
HOWARD 312	221312	7/21/20	DUP	8.07	26.7	611.7	73.1
HOWARD 312	221312	7/28/21		7.97	25.9	609.2	63.1
HOWARD 312	221312	7/13/22		8.04	25.5	614.9	65.3
HOWARD 312	221312	7/26/23		8.11	26.4	610.5	70.3
HOWARD 312	221312	8/7/24		8.14	26.6	621.7	67.1
HOWARD 312	221312	7/14/25		8.20	27.2	618.4	66.7
HOWARD NR	NR	3/4/08		7.06	20.4	1280	571
HOWARD NR	NR	5/8/08		6.95	21.0	1494	673
HOWARD NR	NR	7/14/08		7.00	21.1	1566	610
HOWARD NR	NR	10/15/08		7.00	20.6	1598	683
HOWARD NR	NR	1/28/09		6.82	21.0	1203	640
HOWARD NR	NR	1/28/09	DUP	6.82	21.0	1203	640
HOWARD NR	NR	4/15/09		7.02	21.5	1397	620
HOWARD NR	NR	7/15/09		7.16	21.5	1539	640
HOWARD NR	NR	10/12/09		6.89	21.4	1414	600
HOWARD NR	NR	1/27/10		7.35	20.0	1714	440
HOWARD NR	NR	1/27/10	DUP	7.35	20.0	1714	520
HOWARD NR	NR	4/21/10		7.16	20.8	1490	710
HOWARD NR	NR	7/19/10		6.94	24.6	1350	548
HOWARD NR	NR	10/18/10		6.47	21.4	1420	568
HOWARD NR	NR	1/17/11		7.12	19.8	1370	520
HOWARD NR	NR	4/11/11		7.20	20.6	1489	616
HOWARD NR	NR	8/26/11		7.11	23.2	1160	498
HOWARD NR	NR	10/11/11		7.1	21.0	1220	545
HOWARD NR	NR	10/11/11	DUP	7.1	21.0	1220	538

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
HOWARD NR	NR	2/1/12		7.29	20.6	1367	630
HOWARD NR	NR	4/13/12		6.99	21.2	1508	632
HOWARD NR	NR	9/13/12		7.12	21.9	1576	699
HOWARD NR	NR	10/16/12		7.06	21.1	1417	576
HOWARD NR	NR	2/6/13		7.06	20.3	1499	679
HOWARD NR	NR	4/9/13		7.38	19.4	1319	521
HOWARD NR	NR	7/12/13		7.40	21.6	1430	590
HOWARD NR	NR	10/16/13		7.15	20.3	1319	522
HOWARD NR	NR	1/8/14		7.24	20.3	1267	462
HOWARD NR	NR	4/10/14		7.23	20.6	1262	471
HOWARD NR	NR	7/14/14		7.18	21.1	1300	496
HOWARD NR	NR	7/14/14	DUP	7.18	21.1	1300	495
HOWARD NR	NR	10/10/14		6.93	23.2	1339	413
HOWARD NR	NR	7/31/15		7.16	21.9	1316	484
HOWARD NR	NR	7/21/17		6.98	20.1	1278	447
HOWARD NR	NR	7/9/19		6.90	20.1	1304	480
HOWARD NR	NR	7/28/21		6.98	19.9	1238	496
HOWARD NR	NR	7/25/23		7.05	21.2	1368	544
HOWARD NR	NR	7/14/25		8.08	28.1	622.6	67.0
KEEFER	209744	2/6/08		7.70	19.0	378	6.8
KEEFER	209744	5/6/08		7.19	20.3	512	9
KEEFER	209744	7/16/08		7.21	21.4	539	8
KEEFER	209744	10/28/08		7.32	20.1	534	21.2
KEEFER	209744	1/28/09		7.42	19.5	356	6.1
KEEFER	209744	4/16/09		7.29	20.0	452	7.7
KEEFER	209744	7/14/09		7.35	22.1	533	7
KEEFER	209744	10/13/09		7.24	20.7	516	8.7
KEEFER	209744	1/26/10		7.15	18.8	483	7.3
KEEFER	209744	4/20/10		7.44	20.5	540.9	8.77
KEEFER	209744	7/15/10		7.50	22.2	535.8	8.84
KEEFER	209744	10/19/10		6.72	20.2	470	7.89
KEEFER	209744	1/18/11		7.45	20.6	450	7.24
KEEFER	209744	4/6/11		7.48	19.1	546.2	8.04
KEEFER	209744	7/18/11		7.19	23.2	492.3	7.79
KEEFER	209744	10/11/11		7.39	20.7	486.9	7.98
KEEFER	209744	2/6/12		7.36	20.3	482.0	6.84
KEEFER	209744	4/23/12		7.23	21.6	500	7.14
KEEFER	209744	7/17/12		7.40	21.0	500	7.29
KEEFER	209744	10/9/12		7.58	20.1	506.6	8.47
KEEFER	209744	1/10/13		7.55	19.3	466.3	6.37
KEEFER	209744	4/18/13		7.58	20	475.9	7.3
KEEFER	209744	7/11/13		7.67	20.8	485.1	7.23
KEEFER	209744	7/11/13	DUP	7.67	20.8	485.1	7.24
KEEFER	209744	10/7/13		7.53	20.6	458.9	6.39
KEEFER	209744	1/7/14		7.61	19.7	464.8	6.54
KEEFER	209744	4/9/14		7.59	20.2	473.3	6.61
KEEFER	209744	7/10/14		7.49	21.6	460.5	6.66
KEEFER	209744	10/8/14		7.32	22.3	429	6.35
KEEFER	209744	7/21/15		7.62	22.1	462.2	6.09
KEEFER	209744	7/25/16		7.42	22.2	477.9	6.81
KEEFER	209744	7/25/17		7.31	19.4	499.5	7.23
KEEFER	209744	2/23/18		7.31	19.5	472.7	6.60
KEEFER	209744	7/9/18		7.35	19.9	494.4	6.25
KEEFER	209744	1/11/19		7.26	18.4	466.2	6.59

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
KEEFER	209744	7/10/19		7.23	19.4	495.1	7.03
KEEFER	209744	1/17/20		7.56	18.0	486.5	7.07
KEEFER	209744	7/22/20		7.35	20.2	496.3	7.19
KEEFER	209744	1/12/21		7.30	20.1	495.8	7.04
KEEFER	209744	7/13/21		7.30	20.4	505.3	9.24
KEEFER	209744	1/25/22		7.34	18.5	500.5	7.32
KEEFER	209744	7/7/22		7.47	20.8	510.2	7.42
KEEFER	209744	7/7/22	DUP	7.47	20.8	510.2	7.41
KEEFER	209744	1/24/23		7.44	19.5	477.4	7.93
KEEFER	209744	7/19/23		7.39	20.0	515.7	6.78
KEEFER	209744	1/17/24		7.50	18.6	507.9	8.00
KEEFER	209744	7/25/24		7.68	24.5	513	8.10
KEEFER	209744	2/4/25		7.39	20.0	502.2	8.44
KEEFER	209744	7/8/25		7.55	21.4	501.8	8.12
LAIR	236750	1/31/23		7.83	14.8	534.0	11.2
LAIR	236750	7/27/23		7.50	27.7	556.0	11.3
LAIR	236750	9/11/24		7.68	24.7	549.6	12.2
LAIR	643436	7/10/25		7.66	28.8	558.9	12.1
MARCELL	NR	8/26/11		7.12	25.1	1390	669
MARCELL	NR	9/26/11		6.63	22.1	1502	638
MARCELL	NR	11/22/11		7.29	21.0	1536	687
MARCELL	NR	2/1/12		7.42	20.8	1557	705
MARCELL	NR	4/13/12		7.15	21.8	1560	668
MARCELL	NR	7/13/12		6.86	22.3	1730	650
MARCELL	NR	10/17/12		7.18	21.3	1546	660
MARCELL	NR	10/17/12	DUP	7.18	21.3	1546	657
MARCELL	NR	2/6/13		7.25	19.8	1553	714
MARCELL	NR	2/6/13	DUP	7.25	19.8	1553	714
MARCELL	NR	4/10/13		7.07	19.9	1578	695
MARCELL	NR	7/15/13		7.09	21.4	1617	724
MCCONNELL 265	539265	2/20/08		7.21	21.1	1435	720
MCCONNELL 265	539265	5/6/08		6.77	21.6	1668	737
MCCONNELL 265	539265	7/15/08		6.91	22.3	1775	700
MCCONNELL 265	539265	10/15/08		6.82	21.3	1686	703
MCCONNELL 265	539265	1/28/09		6.85	21	1274	660
MCCONNELL 265	539265	4/15/09		7.04	21.3	1472	657
MCCONNELL 265	539265	7/15/09		7.01	22.2	1607	662
MCCONNELL 265	539265	10/12/09		6.77	21.7	1594	666
MCCONNELL 265	539265	1/26/10		6.71	21.5	1641	685
MCCONNELL 265	539265	4/22/10		6.95	20.1	1691	811
MCCONNELL 265	539265	7/21/10		6.86	23.5	1560	805
MCCONNELL 265	539265	10/18/10		6.97	22.0	1704	775
MCCONNELL 265	539265	1/19/11		7.38	20.6	1610	711
MCCONNELL 265	539265	4/8/11		7.04	19.8	1775	810
MCCONNELL 265	539265	7/12/11		6.60	23.7	1702	790
MCCONNELL 265	539265	10/11/11		7.18	21.8	1590	845
MCCONNELL 265	539265	2/7/12		7.14	20.6	1842	847
MCCONNELL 265	539265	4/11/12		6.82	21.4	1781	833
MCCONNELL 265	539265	7/6/12		6.88	22.4	1827	851
MCCONNELL 265	539265	10/8/12		7.07	20.9	1862	934
MCCONNELL 265	539265	1/10/13		6.89	20.9	1854	902
MCCONNELL 265	539265	1/10/13	DUP	6.89	20.9	1854	889
MCCONNELL 265	539265	4/18/13		7.11	20.4	1889	884
MCCONNELL 265	539265	7/10/13		7.14	22.1	1897	898

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
MCCONNELL 265	539265	10/14/13		7.00	21.0	1911	908
MCCONNELL 265	539265	1/8/14		7.23	20.9	1942	985
MCCONNELL 265	539265	4/14/14		6.99	20.7	1913	963
MCCONNELL 265	539265	7/14/14		6.95	21.8	1941	975
MCCONNELL 265	539265	10/7/14		6.84	22.2	1976	968
MCCONNELL 265	539265	7/31/15		7.04	21.9	1970	949
MCCONNELL 265	539265	7/20/17		6.73	20.6	1964	905
MCCONNELL 459	221459	7/27/12		8.25	26.5	510.0	41
MCCONNELL 459	221459	10/8/12		8.12	25.3	517.3	43.4
MCCONNELL 459	221459	1/15/13		8.06	24.5	512.6	37.4
MCCONNELL 459	221459	4/10/13		8.14	23.5	487.0	35.5
MCCONNELL 459	221459	7/10/13		8.10	25.5	480.7	34.5
MCCONNELL 459	221459	10/14/13		8.04	24.9	486.7	34.6
MCCONNELL 459	221459	1/8/14		8.20	23.7	489.4	37.1
MCCONNELL 459	221459	4/14/14		8.08	24.6	474.3	35.9
MCCONNELL 459	221459	9/9/14		8.12	25.1	465.7	33.0
MCCONNELL 459	221459	10/7/14		7.94	25.7	478.0	34.1
MCCONNELL 459	221459	7/31/15		8.13	25.9	453.6	28.5
MCCONNELL 459	221459	7/26/16		8.08	25.6	455.3	30.4
MCCONNELL 459	221459	7/20/17		7.93	24.9	449.8	32.3
MCCONNELL 459	221459	7/17/18		7.93	24.8	446.7	28.6
MCCONNELL 459	221459	7/10/19		7.90	25.0	447.9	27.2
MCCONNELL 459	221459	8/10/20		8.01	25.5	450.9	28.6
MCCONNELL 459	221459	7/27/21		7.92	24.7	447.2	28.1
MCCONNELL 459	221459	7/12/22		8.03	25.7	450.0	28.6
MCCONNELL 459	221459	8/4/23		8.19	24.2	448.5	27.7
MCCONNELL 459	221459	8/1/24		7.97	25.3	458.3	27.5
MCCONNELL 459	221459	7/8/25		8.06	26.4	452.3	29.1
METZLER	35-71891	3/5/08		7.27	21.6	1055	317
METZLER	35-71891	5/15/08		7.12	22.8	1051	329
METZLER	35-71891	7/31/08		7.16	22.5	1078	317
METZLER	35-71891	10/20/08		7.24	22.2	1080	305
METZLER	35-71891	10/20/08	DUP	7.24	22.2	1080	326
METZLER	35-71891	2/11/09		7.12	21.3	818	321
METZLER	35-71891	4/20/09		7.22	23.2	845	313
METZLER	35-71891	7/15/09		7.41	22.9	1031	293
METZLER	35-71891	7/15/09	DUP	7.41	22.9	1031	309
METZLER	35-71891	10/14/09		7.1	22.7	989	315
METZLER	35-71891	2/1/10		7.22	21.7	1021	286
METZLER	35-71891	5/18/10		7.56	21.0	1053	330
METZLER	35-71891	7/16/10		7.20	24.1	1007	330
METZLER	35-71891	10/19/10		7.15	22.6	1006	319
METZLER	35-71891	1/19/11		7.55	21.1	930	298
METZLER	35-71891	4/4/11		7.03	23.3	1018	323
METZLER	35-71891	7/12/11		7.07	22.3	993.0	312
METZLER	35-71891	10/12/11		7.27	22.1	910	301
METZLER	35-71891	2/7/12		7.36	21.5	1019	326
METZLER	35-71891	4/12/12		7.34	21.1	1009	320
MOORE	538847	2/20/08		7.69	22.2	362	7.1
MOORE	538847	5/8/08		7.09	22.4	432	7.5
MOORE	538847	7/16/08		7.34	23.0	482	9.8
MOORE	538847	10/29/08		7.32	22.4	452	19.2
MOORE	538847	1/29/09		7.11	21.7	328	6.6
MOORE	538847	4/16/09		7.40	22.1	374	6.4

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
MOORE	538847	7/15/09		7.44	23.3	439	5.8
MOORE	538847	10/13/09		7.36	22.6	429	7.1
MOORE	538847	1/26/10		7.54	19.6	423	6.3
MOORE	538847	4/22/10		7.47	20.6	433	7.40
MOORE	538847	7/15/10		7.44	24.1	431.3	7.54
MOORE	538847	7/15/10	DUP	7.44	24.1	431.3	7.11
MOORE	538847	10/19/10		6.79	22.1	430	7.14
MOORE	538847	1/18/11		7.48	21.1	390	6.42
MOORE	538847	4/6/11		7.39	21.4	426.3	6.70
MOORE	538847	7/13/11		6.91	23.2	423.4	7.62
MOORE	538847	10/11/11		7.31	22.5	419.0	7.31
MOORE	538847	1/31/12		7.35	21.7	430	7.21
MOORE	538847	4/23/12		7.34	22.8	470	6.99
MOORE	538847	4/23/12	DUP	7.34	22.8	470	7.05
MOORE	538847	7/17/12		7.36	22.9	430	7.01
MOORE	538847	7/17/12	DUP	7.36	22.9	430	6.99
MOORE	538847	10/8/12		7.64	21.4	433.2	7.51
MOORE	538847	1/10/13		7.50	20.8	439.9	7.16
MOORE	538847	4/19/13		7.68	21.6	434.7	7.25
MOORE	538847	7/11/13		7.56	22.9	442.2	7.14
MOORE	538847	10/7/13		7.59	21.5	431.8	6.99
MOORE	538847	10/13/14		7.47	22.0	433	6.72
MOORE	538847	8/3/15		7.61	22.9	446.7	7.12
MOORE	538847	7/14/16		7.55	23.0	445.8	7.86
MOORE	538847	7/25/17		7.28	21.1	455.5	7.98
MOORE	538847	8/1/18		7.24	26.9	436.8	8.10
MOORE	538847	7/9/19		6.97	22.7	443.9	6.26
MOORE	538847	7/22/20		7.35	21.9	447.0	8.03
MOORE	538847	7/28/21		7.31	21.1	445.6	8.51
MOORE	538847	7/7/22		7.39	21.5	449.4	7.96
MOORE	538847	8/4/23		7.65	21.9	445.1	8.24
MOORE	538847	8/16/24		7.43	21.9	446.9	8.68
MOORE	538847	7/10/25		7.38	22.6	452.4	8.44
NESS	509127	7/24/08		7.35	26.5	563	50.2
NESS	509127	10/16/08		7.47	21.4	542	48.9
NESS	509127	1/26/09		7.39	17.2	422	52.3
NESS	509127	5/11/09		7.52	28.8	472	45.9
NESS	509127	8/11/09		7.56	28.7	525	39.8
NESS	509127	11/12/09		7.53	24.5	537	51.3
NESS	509127	2/2/10		7.67	19.7	535	48.7
NESS	509127	4/21/10		7.70	23.5	518.9	42.1
NESS	509127	7/19/10		7.58	28.9	524.7	48.1
NESS	509127	1/18/11		7.49	21.8	536.6	50.1
NESS	509127	7/12/11		7.48	26.3	520.0	43.5
NESS	509127	2/3/12		7.58	21.1	538.2	49.0
NESS	509127	7/10/12		7.20	26.8	380	40.1
NESS	509127	7/10/12	DUP	7.20	26.8	380	39.2
NESS	509127	1/9/13		7.57	19.1	549.6	53.9
NESS	509127	7/8/13		7.84	27.9	539.2	46.8
NESS	509127	1/6/14		7.61	20.3	542.4	53.4
NESS	509127	7/7/14		7.60	25.3	536.6	48.3
NESS	509127	7/20/15		7.75	27.4	560.8	54.3
NESS	509127	7/11/16		7.60	28.5	545.2	49.6
NESS	509127	7/27/17		7.39	26.4	545.8	55.2

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
NESS	509127	7/31/18		7.42	26.4	550.7	54.1
NESS	509127	7/11/19		7.03	27.1	517.3	30.5
NESS	509127	8/14/20		7.73	28.0	538.1	46.5
NESS	509127	7/19/21		7.82	26.8	583.1	47.9
NESS	509127	7/14/22		7.68	29.8	554.2	49.8
NESS	509127	7/27/23		7.85	29.5	523.0	39.9
NESS	509127	7/31/24		7.60	24.7	542.3	40.1
NESS	509127	7/17/25		8.10	25.2	565	47.3
NOTEMAN	212483	2/5/08		6.70	19.9	1317	310
NOTEMAN	212483	5/13/08		6.67	23.0	1445	272
NOTEMAN	212483	7/24/08		6.68	24.2	1539	274
NOTEMAN	212483	10/23/08		6.57	23.2	1643	356
NOTEMAN	212483	1/19/09		6.38	22.9	1098	322
NOTEMAN	212483	4/7/09		6.56	23.8	1375	303
NOTEMAN	212483	7/8/09		6.55	24.6	1405	260
NOTEMAN	212483	10/5/09		6.48	24.1	1442	281
NOTEMAN	212483	1/20/10		6.79	20.3	1450	289
NOTEMAN	212483	4/19/10		6.81	22.4	1446	307
NOTEMAN	212483	7/19/10		6.77	24.6	1438	309
NOTEMAN	212483	10/18/10		6.08	24.6	1430	280
NOTEMAN	212483	1/19/11		6.84	22.3	1446	266
NOTEMAN	212483	4/4/11		6.72	22.9	1446	276
NOTEMAN	212483	4/4/11	DUP	6.72	22.9	1446	279
NOTEMAN	212483	7/11/11		6.78	23.9	1406	272
NOTEMAN	212483	10/11/11		6.96	23.4	1250	286
NOTEMAN	212483	2/3/12		6.68	21.3	1370	301
NOTEMAN	212483	4/23/12		6.68	24.0	1580	291
NOTEMAN	212483	7/9/12		6.57	24.7	1360	265
NOTEMAN	212483	7/9/12	DUP	6.57	24.7	1360	265
NOTEMAN	212483	10/4/12		6.80	23.6	1412	287
NOTEMAN	212483	1/17/13		6.69	23.3	1417	288
NOTEMAN	212483	4/8/13		6.90	22.3	1409	280
NOTEMAN	212483	7/9/13		6.89	24.3	1400	278
NOTEMAN	212483	10/14/13		6.75	23.2	1528	355
NOTEMAN	212483	1/10/14		6.83	22.2	1440	311
NOTEMAN	212483	41739		6.84	23.2	1426	301
NOTEMAN	212483	7/7/14		6.80	23.2	1423	289
NOTEMAN	212483	12/10/14		6.66	22.8	1528	366
NOTEMAN	212483	7/23/15		6.87	24.1	1424	287
NOTEMAN	212483	7/15/16		6.79	23.9	1412	257
NOTEMAN	212483	7/27/17		6.57	22.9	1383	265
NOTEMAN	212483	7/24/19		6.61	22.6	1359	235
NOTEMAN	212483	7/20/21		6.53	23.5	1328	211
NOTEMAN	212483	7/27/23		6.86	23.2	1327	188
NOTEMAN	212483	7/17/25		6.83	23.9	1326	193
NOTEMAN HOUSE	212483	2/3/12		7.06	13.5	1520	324
NSD-02	527587	2/5/08		ND	ND	ND	43
NSD-02	527587	7/7/08		8.02	21.0	609.00	44
NSD-03	527586	2/5/08		ND	ND	ND	70.7
NSD-03	527586	7/7/08		7.64	21.0	570.00	58.9
NWC-02	562944	10/27/08		7.47	22.2	438	5.1
NWC-02	562944	2/12/09		7.58	21.6	330	6.6
NWC-02	562944	4/23/09		7.39	23.8	373	6.4
NWC-02	562944	7/21/09		7.62	23.9	408	5

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
NWC-02	562944	10/21/09		7.32	22.6	436	6.8
NWC-02	562944	2/3/10		7.68	19.6	423	8.5
NWC-02	562944	4/21/10		7.57	22.1	413	7.26
NWC-02	562944	7/20/10		7.36	23.7	412.5	6.87
NWC-02	562944	10/19/10		7.42	22.5	416.2	7.39
NWC-02	562944	1/18/11		7.47	23.2	390	6.43
NWC-02	562944	4/6/11		7.27	22.9	413.5	6.4
NWC-02	562944	7/15/11		7.03	22.5	416.3	7.24
NWC-02	562944	10/13/11		7.45	21.9	370	7.31
NWC-02	562944	1/30/12		7.39	21.2	431.3	7.78
NWC-02	562944	4/25/12		7.42	22.4	370	8.42
NWC-02	562944	7/18/12		7.33	22.5	430	6.99
NWC-02	562944	10/10/12		7.58	21.7	423.9	7.46
NWC-02	562944	1/10/13		7.58	21.8	396.4	9.02
NWC-02	562944	4/17/13		7.64	21.2	426.2	7.52
NWC-02	562944	7/12/13		7.65	22.0	429.3	6.91
NWC-02	562944	10/10/13		7.49	21.2	433.4	7.05
NWC-02	562944	10/10/13	DUP	7.49	21.2	433.4	7.14
NWC-02	562944	1/13/14		7.6	21.2	426.7	7.03
NWC-02	562944	4/7/14		7.59	21.3	432.9	7.34
NWC-02	562944	7/10/14		7.57	22.0	431.6	7.65
NWC-02	562944	10/13/14		7.48	23.1	424	7.04
NWC-02	562944	2/12/15		7.42	21.0	436	7.11
NWC-02	562944	7/30/15		7.62	22.2	436.2	6.31
NWC-02	562944	1/12/16		7.81	20.2	421.5	6.17
NWC-02	562944	7/26/16		7.54	21.4	434.4	6.81
NWC-02	562944	1/26/17		7.41	21.0	421.2	6.81
NWC-02	562944	7/18/17		7.29	21.0	435.8	7.15
NWC-02	562944	1/16/18		7.39	20.8	427.3	6.76
NWC-02	562944	7/18/18		7.34	20.7	435.3	6.50
NWC-02	562944	1/7/19		7.39	20.6	430.6	7.07
NWC-02	562944	7/9/19		7.14	21.4	442.2	5.75
NWC-02	562944	1/16/20		7.55	20.5	430.6	7.83
NWC-02	562944	7/22/20		7.47	21.3	437.9	8.15
NWC-02	562944	1/12/21		7.42	21.3	422.1	8.55
NWC-02	562944	7/22/21		7.36	20.6	442.6	9.64
NWC-02	562944	2/1/22		7.31	20.3	432.1	8.48
NWC-02	562944	7/14/22		7.51	26.0	422.2	9.04
NWC-02	562944	2/2/23		7.38	20.9	449.4	8.30
NWC-02	562944	8/9/23		7.73	21.2	473.1	9.22
NWC-02	562944	1/26/24		7.51	19.2	454	9.31
NWC-02	562944	8/9/24		7.49	21.6	449.2	9.42
NWC-02	562944	2/7/25		7.55	20.9	454.1	9.13
NWC-02	562944	7/18/25		7.50	21.5	443	8.88
NWC-03	203321	3/4/08		ND	ND	ND	560
NWC-03	203321	6/9/08		ND	ND	ND	524
NWC-03	203321	10/27/08		7.07	21.9	1374	489
NWC-03	203321	2/12/09		7.06	20.2	1023	412
NWC-03	203321	4/23/09		6.98	21.9	1129	466
NWC-03	203321	4/23/09	DUP	6.98	21.9	1129	460
NWC-03	203321	7/21/09		7.21	22.9	1194	458
NWC-03	203321	10/21/09		6.94	21.8	1224	444
NWC-03	203321	2/3/10		7.24	20.7	1214	444
NWC-03	203321	4/21/10		7.22	21.6	1178	433

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
NWC-03	203321	7/20/10		7.04	22.8	1229	477
NWC-03	203321	10/19/10		7.22	21.3	1172	432
NWC-03	203321	1/18/11		7.09	22.8	1120	386
NWC-03	203321	4/6/11		7.19	21.7	1114	361
NWC-03	203321	7/15/11		6.91	21.8	1094	386
NWC-03	203321	10/13/11		7.23	21.6	960	353
NWC-03	203321	1/30/12		7.15	21.5	1061	379
NWC-03	203321	4/25/12		7.17	21.6	920	346
NWC-03	203321	4/25/12	DUP	7.17	21.6	920	347
NWC-03	203321	7/18/12		7.05	22.1	1080	354
NWC-03	203321	10/10/12		7.31	21.1	1029	354
NWC-03	203321	10/10/12	DUP	7.31	21.1	1029	353
NWC-03	203321	1/10/13		7.18	20.8	1051	370
NWC-04	551849	3/4/08		ND	ND	ND	240
NWC-04	551849	6/9/08		ND	ND	ND	231
NWC-04	551849	10/27/08		7.32	25.0	856	162
NWC-04	551849	1/22/09		7.23	22.9	688	184
NWC-04	551849	2/12/09		7.20	19.8	699	181
NWC-04	551849	2/12/09	DUP	7.20	19.8	699	198
NWC-04	551849	3/11/09		7.15	23.4	846	197
NWC-04	551849	4/23/09		7.21	24.1	797	188
NWC-04	551849	5/28/09		7.01	24.1	933	210
NWC-04	551849	6/24/09		6.93	25.6	792	169
NWC-04	551849	7/21/09		7.48	24.3	859	193
NWC-04	551849	8/19/09		7.12	24.5	906	183
NWC-04	551849	9/23/09		7.16	23.8	953	202
NWC-04	551849	10/21/09		7.18	24.3	875	191
NWC-04	551849	11/18/09		7.24	22.9	909	191
NWC-04	551849	12/16/09		7.28	22.3	926	193
NWC-04	551849	2/3/10		7.49	22.3	844	167
NWC-04	551849	3/8/10		7.33	22.5	880	182
NWC-04	551849	4/21/10		7.34	22.8	913	218
NWC-04	551849	5/18/10		7.68	25.8	901.3	210
NWC-04	551849	6/15/10		7.31	24.5	917.5	212
NWC-04	551849	7/20/10		7.28	28.3	873.2	188
NWC-04	551849	8/25/10		7.55	24.8	820.9	196
NWC-04	551849	9/29/10		7.38	24.5	920.2	205
NWC-04	551849	10/19/10		7.34	23.6	870.2	195
NWC-04	551849	11/4/10		7.53	23.9	853.2	197
NWC-04	551849	12/14/10		7.41	23.6	856.8	182
NWC-04	551849	1/18/11		7.31	24.1	860	194
NWC-04	551849	2/17/11		7.46	22.3	848.6	169
NWC-04	551849	3/17/11		7.44	24.1	888.1	182
NWC-04	551849	4/5/11		7.32	23.4	878.7	196
NWC-04	551849	5/11/11		7.32	23.1	868.1	175
NWC-04	551849	6/17/11		7.28	23.7	856.3	204
NWC-04	551849	7/15/11		7.06	23.5	875.1	202
NWC-04	551849	8/25/11		7.32	25.1	780	195
NWC-04	551849	9/26/11		6.56	26.2	875.4	198
NWC-04	551849	9/26/11	DUP	6.56	26.2	875.4	199
NWC-04	551849	10/13/11		7.46	23.3	770	198
NWC-04	551849	11/22/11		7.36	22.9	853.5	201
NWC-04	551849	12/8/11		7.33	22.3	872.2	207
NWC-04	551849	1/30/12		7.34	23.4	914.4	217

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
NWC-04	551849	2/17/12		7.45	22.9	898.1	203
NWC-04	551849	3/15/12		7.39	23.9	888.2	207
NWC-04	551849	4/25/12		7.16	23.4	870	204
NWC-04	551849	5/22/12		7.25	23.9	970	178
NWC-04	551849	5/22/12		7.25	23.9	970	178
NWC-04	551849	6/6/12		7.27	24.4	1040	195
NWC-04	551849	7/18/12		7.25	23.7	880	205
NWC-04	551849	8/28/12		7.49	24.2	893.3	208
NWC-04	551849	9/13/12		7.40	23.9	883.7	205
NWC-04	551849	10/10/12		7.48	23.2	883.6	207
NWC-04	551849	11/13/12		7.56	21.7	849.8	211
NWC-04	551849	12/3/12		7.40	23.0	898.6	208
NWC-04	551849	1/10/13		7.37	22.2	903.1	210
NWC-04	551849	2/7/13		7.54	23.0	917.5	228
NWC-04	551849	3/7/13		7.49	22.4	892.4	222
NWC-04	551849	4/17/13		7.43	22.6	903.8	223
NWC-04	551849	5/14/13		7.53	23.2	881.7	214
NWC-04	551849	6/5/13		7.29	33.9	862.7	201
NWC-04	551849	7/12/13		7.29	23.5	897.2	211
NWC-04	551849	7/12/13	DUP	7.29	23.5	897.2	200
NWC-04	551849	8/9/13		7.43	23.5	898.6	207
NWC-04	551849	9/5/13		7.56	23.8	893.6	214
NWC-04	551849	10/10/13		7.39	22.6	873.7	197
NWC-04	551849	11/6/13		7.58	21.8	852.3	202
NWC-04	551849	12/3/13		7.50	23.1	843.4	199
NWC-04	551849	1/13/14		7.12	21.9	885.6	197
NWC-04	551849	2/5/14		7.46	22.4	833.3	198
NWC-04	551849	3/5/14		7.59	22.8	813.3	168
NWC-04	551849	4/7/14		7.49	22.9	834.2	187
NWC-04	551849	5/13/14		7.56	23.4	819.8	186
NWC-04	551849	6/23/14		7.62	24.5	806.7	188
NWC-04	551849	7/10/14		7.57	23.8	826.2	187
NWC-04	551849	8/11/14		7.59	23.5	824.0	187
NWC-04	551849	9/9/14		7.50	24.0	789.5	163
NWC-04	551849	10/13/14		7.39	24.5	802	175
NWC-04	551849	11/14/14		7.46	22.9	835.4	183
NWC-04	551849	12/10/14		7.33	23.3	840.7	189
NWC-04	551849	2/12/15		7.81	20.3	856.4	177
NWC-04	551849	4/9/15		7.41	24.6	823.2	182
NWC-04	551849	7/30/15		7.60	24.5	935.6	195
NWC-04	551849	10/6/15		7.54	23.2	866.8	225
NWC-04	551849	1/12/16		7.57	22.7	811.2	188
NWC-04	551849	4/5/16		7.47	23.9	847.7	192
NWC-04	551849	7/26/16		7.45	23.8	907.3	187
NWC-04	551849	11/2/16		7.32	23.0	900.6	181
NWC-04	551849	1/26/17		7.41	23.1	851.9	195
NWC-04	551849	4/6/17		7.33	23.2	846.8	176
NWC-04	551849	7/18/17		7.23	23.9	844.7	201
NWC-04	551849	11/14/17		7.31	23.3	860.1	193
NWC-04	551849	1/16/18		7.30	23.4	809.6	181
NWC-04	551849	5/2/18		7.41	23.7	854.1	192
NWC-04	551849	7/18/18		7.32	23.2	863.5	195
NWC-04	551849	10/16/18		7.40	23.6	850.1	210
NWC-04	551849	10/16/18	DUP	7.40	23.6	850.1	210

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
NWC-04	551849	1/7/19		7.38	24.0	848.3	196
NWC-04	551849	5/14/19		7.39	23.9	845.5	190
NWC-04	551849	5/14/19	DUP	7.39	23.9	845.5	190
NWC-04	551849	7/9/19		7.06	24.9	857.2	195
NWC-04	551849	10/15/19		7.38	24.3	855.4	195
NWC-04	551849	1/16/20		7.59	23.3	863.1	199
NWC-04	551849	7/22/20		7.34	25.0	861.3	200
NWC-04	551849	11/23/20		7.49	24.1	913.5	182
NWC-04	551849	1/12/21		7.41	24.2	840.4	198
NWC-04	551849	4/1/21		7.38	23.6	839.3	194
NWC-04	551849	7/22/21		7.29	23.5	862.5	190
NWC-04	551849	12/14/21		7.34	23.6	864.3	195
NWC-04	551849	2/1/22		7.22	23.7	839.5	181
NWC-04	551849	5/3/22		7.47	24.1	850.7	170
NWC-04	551849	7/14/22		7.42	25.5	819.9	189
NWC-04	551849	12/30/22		7.79	13.6	978.6	181
NWC-04	551849	2/2/23		7.19	21.2	985.3	181
NWC-04	551849	4/25/23		7.20	23.8	931.7	199
NWC-04	551849	8/9/23		7.53	21.8	899.9	174
NWC-04	551849	11/28/23		7.48	23.2	881.2	187
NWC-04	551849	1/26/24		7.44	22.1	875	188
NWC-04	551849	4/19/24		7.33	24.5	868.1	188
NWC-04	551849	4/19/24	DUP	7.33	24.5	868.1	189
NWC-04	551849	8/9/24		7.18	25.1	887.1	185
NWC-04	551849	12/5/24		7.29	23.8	871.1	171
NWC-04	551849	2/7/25		7.37	23.6	864.4	167
NWC-04	551849	7/18/25		7.40	24.4	850	165
NWC-06	575700	6/9/08		ND	ND	ND	7.2
NWC-06	575700	10/27/08		7.35	23.3	414	6.4
NWC-06	575700	2/12/09		7.54	21.8	306	8
NWC-06	575700	4/23/09		7.30	24.5	354	7.3
NWC-06	575700	7/21/09		7.63	23.5	388	6.4
NWC-06	575700	10/21/09		7.26	23.2	413	8
NWC-06	575700	2/3/10		7.61	20.5	404	7.5
NWC-06	575700	2/3/10	DUP	7.61	20.5	404	7.4
NWC-06	575700	4/21/10		7.54	22.4	387	8.49
NWC-06	575700	7/20/10		7.33	26.0	388.6	8.59
NWC-06	575700	10/19/10		7.49	22.7	394.5	8.32
NWC-06	575700	1/18/11		7.45	23.4	380	8.24
NWC-06	575700	4/6/11		7.42	23.1	388.3	7.76
NWC-06	575700	4/6/11	DUP	7.42	23.1	388.3	7.73
NWC-06	575700	7/15/11		7.09	22.9	394.3	8.36
NWC-06	575700	10/13/11		7.51	22.3	340	8.48
NWC-06	575700	1/30/12		7.47	22.1	402.7	8.44
NWC-06	575700	4/25/12		7.34	22.5	410	7.11
NWC-06	575700	7/18/12		7.39	22.8	380	8.60
NWC-06	575700	10/10/12		7.62	21.9	393.6	9.33
NWC-06	575700	1/10/13		7.47	21.3	429.2	7.55
NWC-06	575700	4/17/13		7.66	21.1	404.1	8.82
NWC-06	575700	7/12/13		7.59	22.4	404.1	8.40
NWC-06	575700	10/10/13		7.56	21.6	403.3	8.38
NWC-06	575700	1/13/14		7.64	21.3	401.8	8.78
NWC-06	575700	4/7/14		7.65	21.7	403.7	8.62
NWC-06	575700	7/10/14		7.68	22.4	405.9	8.97

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
NWC-06	575700	7/10/14	DUP	7.68	22.4	405.9	8.99
NWC-06	575700	10/13/14		7.59	23.4	393	8.51
NWC-06	575700	2/12/15		7.60	21.2	405	8.12
NWC-06	575700	2/12/15	DUP	7.60	21.2	405	8.09
NWC-06	575700	7/30/15		7.66	22.6	406.5	8.20
NWC-06	575700	1/12/16		7.74	20.7	397.5	8.50
NWC-06	575700	7/26/16		7.58	21.8	409.1	8.69
NWC-06	575700	1/26/17		7.42	21.3	394.0	8.64
NWC-06	575700	7/18/17		7.35	21.4	405.6	8.35
NWC-06	575700	1/16/18		7.45	21.1	400.4	8.85
NWC-06	575700	7/18/18		7.38	21.2	407.2	8.35
NWC-06	575700	1/7/19		7.42	21.0	405.1	8.54
NWC-06	575700	7/9/19		7.09	22.0	411.3	6.99
NWC-06	575700	1/16/20		7.51	20.8	403.5	8.74
NWC-06	575700	7/22/20		7.47	21.9	412.0	8.75
NWC-06	575700	1/12/21		7.40	21.7	374.9	8.83
NWC-06	575700	7/22/21		7.35	21.1	412.0	9.46
NWC-06	575700	2/1/22		7.35	20.8	400.4	8.37
NWC-06	575700	7/14/22		7.45	22.8	391.4	9.02
NWC-06	575700	7/14/22	DUP	7.45	22.8	391.4	9.06
NWC-06	575700	2/2/23		7.46	21.7	414.4	8.26
NWC-06	575700	8/9/23		7.54	21.4	411.3	9.38
NWC-06	575700	1/26/24		7.55	18.7	409.7	9.45
NWC-06	575700	8/9/24		7.56	21.8	417.0	9.59
NWC-06	575700	2/7/25		7.58	21.4	414.8	9.59
NWC-06	575700	7/18/25		7.32	21.8	408	9.56
OLMOS	224745	1/13/16		7.61	20.4	421.0	8.04
OLMOS	224745	7/14/16		7.58	22.5	445.9	7.97
OLMOS	224745	7/25/17		7.29	20.6	434.7	8.25
OLMOS	224745	7/13/18		7.31	20.6	446.1	7.58
OLMOS	224745	7/13/18	DUP	7.31	20.6	446.1	7.46
OLMOS	224745	7/8/19		7.07	21.5	429.7	6.55
OLMOS	224745	7/8/19	DUP	7.07	21.5	429.7	7.78
OLMOS	224745	8/5/20		7.20	21.3	438.3	7.52
OLMOS	224745	7/29/21		7.35	20.4	428.1	7.93
OLMOS	224745	7/12/22		7.39	20.5	441.3	8.32
OLMOS	224745	8/1/23		7.36	21.9	429.9	8.51
OLMOS	224745	8/12/24		7.53	21.3	427.7	9.59
OLMOS	224745	7/10/25		7.49	22.3	435.7	8.97
OSBORN	643436	2/25/08		7.35	22.4	508	16.4
OSBORN	643436	5/13/08		7.22	22.2	576	17.2
OSBORN	643436	7/22/08		7.24	22.9	618	17.7
OSBORN	643436	7/22/08	DUP	7.24	22.9	618	17.5
OSBORN	643436	10/16/08		7.39	22.4	595	15.9
OSBORN	643436	1/20/09		7.33	22.4	469	16
OSBORN	643436	4/7/09		7.25	24.0	542	17
OSBORN	643436	8/18/09		7.16	24.6	643	17.4
OSBORN	643436	10/5/09		7.14	22.9	599	17.9
OSBORN	643436	1/21/10		7.47	19.5	591	15.6
OSBORN	643436	4/19/10		7.60	21.5	601.9	19.3
OSBORN	643436	7/12/10		7.69	24.2	594.0	18.4
OSBORN	643436	7/12/11		7.87	29.8	575.9	19.5
OSBORN	643436	2/3/12		8.15	15.3	390	19.2
OSBORN	643436	1/8/13		7.88	10.5	544.4	20.4

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
OSBORN	643436	7/8/13		7.56	39.2	510.3	19.2
OSBORN	643436	1/10/14		7.89	18.1	580.5	18.7
OSBORN	643436	7/7/14		7.84	29.2	496.3	18.0
OSBORN	643436	7/11/16		7.56	37.8	515.4	18.6
OSBORN	643436	7/31/17		7.74	25.6	548.4	19.3
OSBORN	643436	7/31/17	DUP	7.74	25.6	548.4	18.7
PALMER	578819	2/14/08		7.91	17.5	435	15.9
PALMER	578819	5/13/08		7.92	22.9	508	16.6
PALMER	578819	7/22/08		7.64	25.8	548	16.2
PALMER	578819	10/16/08		7.61	17.0	527	15.9
PALMER	578819	1/20/09		7.33	19.4	441	14.3
PALMER	578819	4/8/09		7.65	19.1	475	15.4
PALMER	578819	7/8/09		7.47	27.2	521	14.3
PALMER	578819	10/5/09		7.81	22.2	538	16.2
PALMER	578819	1/20/10		7.72	11.9	510	13.8
PALMER	578819	4/22/10		7.97	13.6	520	16.7
PALMER	578819	7/12/10		7.62	30.2	518.8	15.7
PALMER	578819	10/18/10		8.13	22.1	511.9	16.5
PALMER	578819	1/18/11		7.24	17.1	517.0	15.7
PALMER	578819	4/5/11		8.04	19.0	499.2	15.8
PALMER	578819	7/12/11		7.65	26.6	517.6	16.4
PALMER	578819	10/11/11		7.85	22.0	510.4	17
PALMER	578819	2/3/12		7.94	10.0	521.4	17.1
PALMER	578819	4/11/12		7.52	18.7	519.8	17.3
PALMER	578819	7/10/12		7.30	27.9	390	16.6
PALMER	578819	10/3/12		8.09	25.7	526.7	17.6
PALMER	578819	10/3/12	DUP	8.09	25.7	526.7	17.5
PALMER	578819	1/9/13		7.9	17.5	532.8	16.8
PALMER	578819	4/8/13		8.07	18.4	534.1	17
PALMER	578819	7/17/13		7.74	22.3	531.0	17.2
PALMER	578819	10/14/13		8.03	20.1	533.1	16.9
PALMER	578819	1/6/14		7.82	11.9	517.4	17.4
PALMER	578819	4/7/14		7.96	18.3	534.8	17.3
PALMER	578819	7/7/14		8.07	23.9	534.4	18.3
PALMER	578819	10/23/14		7.86	19.6	536.0	17.5
PALMER	578819	7/20/15		7.95	25.9	540.1	17.6
PALMER	578819	7/31/18		7.65	29.6	534.8	17.1
PALMER	578819	7/11/19		8.16	28.0	538.6	16.7
PALMER	578819	8/14/20		7.75	26.5	534.8	16.3
PALMER	578819	8/14/20	DUP	7.75	26.5	534.8	16.3
PALMER	578819	7/20/21		8.41	27.2	488.7	16.8
PALMER	578819	7/8/22		7.85	27.6	534.6	15.5
PALMER	578819	7/27/23		8.23	29.2	510.5	16.0
PALMER	578819	7/31/24		7.90	25.7	509.6	14.5
PALMER	578819	8/18/25		8.01	30.2	527.5	16.0
PANAGAKOS	35-76413	4/21/08		6.80	20.5	1228	410
PANAGAKOS	35-76413	7/21/08		6.95	21.9	1390	444
PANAGAKOS	35-76413	10/13/08		6.86	21.2	1386	480
PANAGAKOS	35-76413	10/13/08	DUP	6.86	21.2	1386	500
PANAGAKOS	35-76413	1/22/09		6.92	19.7	997	397
PANAGAKOS	35-76413	4/9/09		6.81	21.7	1228	431
PANAGAKOS	35-76413	4/9/09	DUP	6.81	21.7	1228	426
PANAGAKOS	35-76413	7/9/09		6.89	22.3	1469	490
PANAGAKOS	35-76413	10/6/09		6.83	21.1	1328	472

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
PANAGAKOS	35-76413	1/21/10		7.06	18.8	1291	318
PANAGAKOS	35-76413	4/20/10		7.25	21.0	1528	608
PANAGAKOS	35-76413	7/20/10		6.90	24.0	1560	706
PANAGAKOS	35-76413	10/18/10		6.38	22.1	1530	568
PANAGAKOS	35-76413	7/14/11		6.93	23.3	1070	223
PANAGAKOS	35-76413	8/25/11		7.17	23.4	1170	222
PANAGAKOS	35-76413	2/6/12		6.98	20.8	1017	166
PANAGAKOS	35-76413	2/29/12		7.09	20.3	1080	362
PANAGAKOS	35-76413	3/15/12		7.02	21.4	1138	282
PANAGAKOS	35-76413	4/12/12		6.90	20.9	1265	346
PANAGAKOS	35-76413	4/12/12	DUP	6.90	20.9	1265	352
PANAGAKOS	35-76413	7/9/12		6.82	22.2	1140	292
PANAGAKOS	35-76413	11/27/12		7.51	20.1	1164	274
PANAGAKOS	35-76413	2/6/13		7.05	19.9	1054	212
PANAGAKOS	35-76413	4/9/13		7.24	19.7	1105	232
PANAGAKOS	35-76413	7/10/13		7.26	21.4	1218	329
PANAGAKOS	35-76413	10/15/13		7.14	20.5	1109	240
PANAGAKOS	35-76413	1/10/14		7.23	19.6	1079	227
PANAGAKOS	35-76413	4/16/14		7.17	20.4	1103	228
PANAGAKOS	35-76413	7/17/14		7.13	21.4	1357	467
PANAGAKOS	35-76413	10/16/14		6.9	22.1	1104	193
PANAGAKOS	35-76413	1/26/15		7.11	19.6	1349	428
PANAGAKOS	35-76413	7/27/15		7.03	22.2	1445	469
PANAGAKOS	35-76413	1/11/16		7.18	18.9	1402	443
PANAGAKOS	35-76413	1/11/16	DUP	7.18	18.9	1402	452
PANAGAKOS	35-76413	2/24/17		7.19	19.1	1270	218
PANAGAKOS	35-76413	2/24/17	DUP	7.19	19.1	1270	217
PANAGAKOS	35-76413	7/17/17		7.13	20.2	1219	232
PANAGAKOS	35-76413	1/18/18		7.08	19.0	1151	223
PANAGAKOS	35-76413	1/18/18	DUP	7.08	19.0	1151	226
PANAGAKOS	35-76413	7/30/18		6.96	20.5	1389	384
PANAGAKOS	35-76413	1/15/19		6.91	18.5	1464	444
PANAGAKOS	35-76413	7/8/19		6.90	21.4	1480	467
PANAGAKOS	35-76413	7/8/19	DUP	6.90	21.4	1480	476
PANAGAKOS	35-76413	1/14/20		7.29	17.7	1450	457
PANAGAKOS	35-76413	1/14/20	DUP	7.29	17.7	1450	461
PANAGAKOS	35-76413	8/13/20		7.21	20.6	1254	231
PANAGAKOS	35-76413	1/11/21		7.20	20.2	1189	227
PANAGAKOS	35-76413	7/22/21		7.12	21.4	1126	185
PANAGAKOS	35-76413	1/31/22		7.23	19.5	1173	245
PANAGAKOS	35-76413	7/7/22		7.02	22.4	1408	463
PANAGAKOS	35-76413	2/3/23		7.20	17.8	1490	548
PANAGAKOS	35-76413	7/25/23		7.36	21.7	1194	244
PANAGAKOS	35-76413	1/17/24		7.33	18.4	1094	193
PANAGAKOS	35-76413	7/31/24		7.52	20.7	1082	174
PANAGAKOS	35-76413	1/30/25		7.44	18.6	1144	205
PANAGAKOS	35-76413	7/17/25		7.31	21.5	1090	258
PARRA	576415	2/11/08		7.08	21.8	1067	360
PARRA	576415	5/15/08		7.10	21.8	1200	405
PARRA	576415	7/31/08		7.00	22.4	1248	423
PARRA	576415	7/31/08	DUP	7.00	22.4	1248	404
PARRA	576415	10/20/08		7.07	22.9	1246	387
PARRA	576415	2/13/09		7.24	22.1	965	405
PARRA	576415	4/20/09		7.10	22.6	971	372

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
PARRA	576415	7/20/09		7.17	23.9	1174	375
PARRA	576415	10/20/09		6.80	22.5	1188	388
PARRA	576415	2/1/10		7.07	21.5	1197	353
PARRA	576415	4/22/10		6.91	20.3	1219	417
PARRA	576415	7/14/10		7.13	22.2	1201	403
PARRA	576415	7/14/10	DUP	7.13	22.2	1201	391
PARRA	576415	10/20/10		7.51	21.4	1270	411
PARRA	576415	1/19/11		7.49	20.8	1130	391
PARRA	576415	4/4/11		6.90	22.6	1207	382
PARRA	576415	7/12/11		6.76	23.7	1156	404
PARRA	576415	10/12/11		7.44	22.3	1070	406
PARRA	576415	2/7/12		7.64	21.4	1212	428
PARRA	576415	4/13/12		7.49	21.1	1204	402
PARRA	576415	4/13/12	DUP	7.49	21.1	1204	390
PARRA	576415	7/18/12		7.03	22.6	1210	418
PARRA	576415	7/18/12	DUP	7.03	22.6	1210	419
PARRA	576415	10/9/12		7.30	21.3	1209	428
PARRA	576415	1/11/13		7.64	20.3	1217	413
PARRA	576415	4/11/13		7.29	21.2	1206	427
PARRA	576415	7/17/13		7.21	21.9	1212	411
PARRA	576415	10/18/13		7.18	21.3	1212	406
PARRA	576415	1/8/14		7.21	20.8	1221	437
PARRA	576415	4/15/14		7.18	21.5	1213	416
PARRA	576415	7/21/14		7.30	22.4	1193	432
PARRA	576415	10/6/14		7.12	21.5	1133	413
PARRA	576415	8/3/15		7.24	22.3	1193	391
PARRA	576415	7/22/16		7.17	22.6	1151	392
PARRA	576415	7/25/17		6.98	20.9	1194	426
PARRA	576415	7/10/19		6.83	21.6	1170	382
PARRA	576415	7/22/21		7.00	21.2	1137	360
PARRA	576415	7/28/23		7.26	22.1	1083	329
PARRA	576415	7/18/25		7.24	21.9	1082	312
PIONKE 395	613395	2/6/08		7.53	19.9	910	394
PIONKE 395	613395	5/7/08		7.08	21.4	1100	391
PIONKE 395	613395	7/17/08		6.99	21.9	1209	420
PIONKE 395	613395	10/27/08		7.03	20.8	1175	460
PIONKE 395	613395	1/29/09		7.13	19.9	847	385
PIONKE 395	613395	4/14/09		7.58	20.7	1053	411
PIONKE 395	613395	7/13/09		7.35	21.5	1165	472
PIONKE 395	613395	10/7/09		7.43	21.1	1100	403
PIONKE 395	613395	3/8/10		7.72	18.6	1201	406
PIONKE 395	613395	4/26/10		7.22	21.9	1224	438
PIONKE 395	613395	7/15/10		7.32	22.3	1158	474
PIONKE 395	613395	10/18/10		7.33	21.3	1277	473
PIONKE 395	613395	10/18/10	DUP	7.33	21.3	1277	487
PIONKE 395	613395	1/19/11		7.32	19.9	1222	471
PIONKE 395	613395	4/8/11		7.13	19.2	1232	467
PIONKE 395	613395	7/12/11		7.30	23.8	1226	500
PIONKE 395	613395	10/11/11		6.98	20.8	1100	502
PIONKE 395	613395	2/1/12		7.25	17.5	1230	481
PIONKE 395	613395	2/1/12	DUP	7.25	17.5	1230	495
PIONKE 395	613395	4/12/12		7.17	22.1	1218	508
PIONKE 395	613395	7/11/12		6.59	22.9	1280	439
PIONKE 395	613395	10/17/12		7.16	22.3	1136	419

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
PIONKE 517	221517	9/18/12		7.91	23.4	395.8	14
PIONKE 517	221517	10/11/12		7.75	22.8	394.7	14.9
PIONKE 517	221517	1/9/13		7.79	22.6	389.9	14.3
PIONKE 517	221517	4/17/13		7.74	22.1	391.9	14.6
PIONKE 517	221517	7/16/13		7.84	22.9	391.5	13.9
PIONKE 517	221517	10/17/13		7.73	22.7	391.5	13.8
PIONKE 517	221517	2/5/14		7.75	21.5	394.2	14.9
PIONKE 517	221517	4/9/14		7.71	22.9	400.9	14.0
PIONKE 517	221517	7/11/14		7.76	23.7	388.9	14.6
PIONKE 517	221517	10/7/14		7.46	25.8	406	14.0
PIONKE 517	221517	7/22/15		7.79	23.3	392.1	13.9
PIONKE 517	221517	7/26/16		7.67	23.2	389.2	14.1
PIONKE 517	221517	7/18/17		7.44	22.5	388.7	13.2
PIONKE 517	221517	7/24/18		7.53	22.3	385.7	13.4
PIONKE 517	221517	7/11/19		7.19	23.0	393.7	13.4
PIONKE 517	221517	8/12/20		7.48	22.8	393.1	13.2
PIONKE 517	221517	7/23/21		7.46	22.0	388.9	14.7
PIONKE 517	221517	7/12/22		7.49	25.5	379.0	13.6
PIONKE 517	221517	7/21/23		7.87	23.8	384.4	12.9
PIONKE 517	221517	7/24/24		7.61	24.5	388	13.6
PIONKE 517	221517	7/15/25		7.64	23.9	389.8	14.4
POOL	509518	2/20/08		7.95	20.9	497	134
POOL	509518	5/19/08		7.40	22.2	585	122
POOL	509518	7/31/08		7.47	22.3	599	117
POOL	509518	10/21/08		7.51	21.4	598	120
POOL	509518	2/13/09		7.62	20.8	473	141
POOL	509518	4/21/09		7.73	22.6	470	124
POOL	509518	7/20/09		7.76	22.9	579	122
POOL	509518	10/20/09		7.22	21.2	577	122
POOL	509518	2/24/10		7.56	22.4	577	110
POOL	509518	4/22/10		7.75	20.2	606.5	130
POOL	509518	7/14/10		7.38	21.7	580.9	117
POOL	509518	10/20/10		7.79	21.3	620	115
POOL	509518	1/20/11		7.71	20.5	530	112
POOL	509518	1/20/11	DUP	7.71	20.5	530	114
POOL	509518	4/6/11		7.37	21.6	567.4	114
POOL	509518	8/1/18		7.47	24.2	580.9	113
POOL	509518	7/10/19		6.78	29.1	588.6	118
POOL	509518	8/10/20		7.40	25.6	581.5	108
POOL	509518	7/20/21		7.55	24.2	562.8	109
POOL	509518	8/9/23		7.53	21.9	559.6	107
POOL	509518	8/16/24		7.45	22.0	552.0	99.7
POOL	509518	8/25/25		7.38	20.7	543.4	90.2
POWER	624535	2/12/08		7.11	18.9	428	15.5
POWER	624535	7/22/08		7.10	21.7	795	20.2
POWER 639	222639	1/16/14		7.38	20.9	1004	234
POWER 639	222639	2/5/14		7.35	20.8	1004	328
POWER 639	222639	3/5/14		7.39	21.3	991.4	187
POWER 639	222639	4/15/14		7.38	21.6	999.4	249
POWER 639	222639	5/13/14		7.40	21.4	990.9	206
POWER 639	222639	6/23/14		7.44	21.9	886.4	117
POWER 639	222639	7/17/14		7.40	22.1	861.3	168
POWER 639	222639	8/11/14		7.50	21.8	864.9	136
POWER 639	222639	9/9/14		7.49	21.7	850.4	105

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
POWER 639	222639	1/27/15		7.27	22.0	922	291
POWER 639	222639	3/10/15		7.35	21.9	1032	265
POWER 639	222639	4/28/15		7.43	20.6	1002	308
POWER 639	222639	5/14/15		7.32	21.3	991.4	269
POWER 639	222639	6/11/15		7.26	22.0	1019	308
POWER 639	222639	7/30/15		7.33	22.3	1014	287
POWER 639	222639	1/14/16		7.46	19.7	985.7	298
POWER 639	222639	7/27/16		7.27	22.2	992.0	301
POWER 639	222639	1/26/17		7.14	20.9	989.9	317
POWER 639	222639	7/12/17		7.16	20.8	1010	244
POWER 639	222639	1/10/18		7.25	20.7	856.9	191
POWER 639	222639	7/25/18		7.35	20.8	814.9	205
POWER 639	222639	1/14/19		7.20	20.6	828.4	174
POWER 639	222639	7/12/19		7.16	21.7	510.4	90.8
POWER 639	222639	1/15/20		7.47	20.5	748.9	180
POWER 639	222639	8/13/20		7.37	21.7	753.5	173
POWER 639	222639	1/13/21		7.29	21.4	836.8	218
POWER 639	222639	7/19/21		7.35	20.7	807.2	185
POWER 639	222639	1/31/22		7.64	19.8	773.5	159
POWER 639	222639	7/7/22		7.38	24.0	828.4	188
POWER 639	222639	1/25/23		7.37	19.6	824.2	215
POWER 639	222639	7/20/23		7.51	22.5	810.8	200
POWER 639	222639	1/16/24		7.57	20.6	791.3	171
POWER 639	222639	8/13/24		7.57	21.9	781.9	217
POWER 639	222639	8/13/24	DUP	7.57	21.9	781.9	160
POWER 639	222639	1/27/25		7.51	21.2	725.2	182
POWER 639	222639	1/27/25	DUP	7.51	21.2	725.2	168
POWER 639	222639	8/18/25		7.51	20.6	712.1	167
POWER 639	222639	8/18/25	DUP	7.51	20.6	712.1	167
RAMIREZ	216425	2/4/08		7.47	21.7	408	7.6
RAMIREZ	216425	5/6/08		7.19	22.7	405	8.3
RAMIREZ	216425	7/17/08		7.32	24.5	439	8.8
RAMIREZ	216425	10/27/08		7.41	22.2	412	7.3
RAMIREZ	216425	1/29/09		7.24	22.2	301	8.3
RAMIREZ	216425	4/16/09		7.49	22.4	344	7.6
RAMIREZ	216425	7/10/09		7.52	23.9	411	6.4
RAMIREZ	216425	10/6/09		7.30	23.8	388	8.4
RAMIREZ	216425	1/25/10		7.48	22.4	390	7.8
RAMIREZ	216425	4/21/10		7.45	22.6	397	9.04
RAMIREZ	216425	7/21/10		7.38	25.1	420	8.98
RAMIREZ	216425	10/19/10		7.91	23.7	450	10.8
RAMIREZ	216425	1/18/11		7.52	23.1	380	8.18
RAMIREZ	216425	4/11/11		7.24	23.2	408.5	8.65
RAMIREZ	216425	7/18/11		7.27	25.4	402.6	8.44
RAMIREZ	216425	10/12/11		7.40	23.3	412.7	8.55
RAMIREZ	216425	1/30/12		7.38	22.3	412.2	8.80
RAMIREZ	216425	4/10/12		7.40	23.2	404.5	8.70
RAMIREZ	216425	7/6/12		7.32	24.2	415.7	8.97
RAMIREZ	216425	10/8/12		7.61	22.5	412.0	9.14
RAMIREZ	216425	10/8/12	DUP	7.61	22.5	412.0	9.07
RAMIREZ	216425	1/17/13		7.52	22.2	409.6	8.82
RAMIREZ	216425	4/19/13		7.6	22.1	413.9	8.63
RAMIREZ	216425	7/15/13		7.58	23.6	416.2	8.19
RAMIREZ	216425	10/7/13		7.68	22.6	412.7	8.37

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
RAMIREZ	216425	1/13/14		7.63	21.9	409.8	8.79
RAMIREZ	216425	4/14/14		7.55	22.2	417.5	8.67
RAMIREZ	216425	7/10/14		7.58	23.2	413.5	8.92
RAMIREZ	216425	10/17/14		7.36	23	422.0	8.67
RAMIREZ	216425	7/21/15		7.54	23.7	414.6	8.46
RAMIREZ	216425	7/14/16		7.55	23.6	420.5	8.57
RAMIREZ	216425	7/26/17		7.37	22.0	414.5	9.00
RAMIREZ	216425	7/25/18		7.35	22.1	420.2	8.35
RAMIREZ	216425	7/9/19		6.95	22.8	432.8	6.67
RAMIREZ	216425	8/6/20		7.31	22.6	423.1	7.96
RAMIREZ	216425	7/29/21		7.30	21.6	409.2	8.82
RAMIREZ	216425	7/29/21	DUP	7.30	21.6	409.2	8.68
RAMIREZ	216425	7/7/22		7.55	21.8	405.8	9.12
RAMIREZ	216425	7/21/23		7.49	21.7	424.4	7.75
RAMIREZ	216425	8/5/24		7.50	23.1	420.3	9.30
RAMIREZ	216425	7/9/25		7.48	23.8	426.1	8.85
RAY	803772	2/15/08		7.30	19.1	1540	159
RAY	803772	4/21/08		6.92	21.3	1418	125
RAY	803772	5/13/08		7.05	20.9	1418	123
RAY	803772	6/23/08		6.87	21.1	1593	130
RAY	803772	7/29/08		6.98	21.8	1411	120
RAY	803772	8/28/08		M	21.1	1519	129
RAY	803772	9/23/08		6.90	22.2	1519	125
RAY	803772	10/22/08		6.96	20.8	1604	145
RAY	803772	1/20/09		6.92	20.6	1355	88
RAY	803772	4/8/09		6.85	21.4	1759	178
RAY	803772	7/9/09		6.93	22.3	1434	126
RAY	803772	10/7/09		6.98	21.3	1288	127
RAY	803772	1/26/10		6.82	20.6	1352	125
RAY	803772	4/20/10		7.14	21.5	1318	134
RAY	803772	7/14/10		7.11	23.8	1313	137
RAY	803772	10/20/10		7.14	19.6	1368	127
RAY	803772	1/17/11		7.04	20.8	1451	132
RAY	803772	1/17/11	DUP	7.04	20.8	1451	125
RAY	803772	4/5/11		7.03	20.8	1387	132
RAY	803772	7/11/11		7.07	22.8	1345	126
RAY	803772	10/12/11		7.06	21.6	1250	130
RAY	803772	1/31/12		7.28	20.5	1360	131
RAY	803772	4/11/12		7.03	20.6	1359	131
RAY	803772	7/6/12		7.11	22.1	1430	129
RAY	803772	10/3/12		7.12	21.1	1464	130
RAY	803772	1/17/13		7.05	19.5	1527	126
RAY	803772	1/17/13	DUP	7.05	19.5	1527	140
RAY	803772	4/8/13		7.32	20	1476	131
RAY	803772	7/9/13		7.18	21.4	1451	128
RAY	803772	10/15/13		7.13	20.8	1487	135
RAY	803772	1/14/14		7.25	19.2	1433	133
RAY	803772	4/8/14		7.09	20.8	1502	146
RAY	803772	7/8/14		7.14	21.4	1409	147
RAY	803772	10/22/14		6.88	21.6	1422	147
RAY	803772	8/3/15		7.22	21.4	1360	133
RAY	803772	7/12/16		7.03	21.6	1419	133
RAY	803772	7/26/17		6.93	19.8	1288	142
RAY	803772	7/31/18		6.89	19.8	1493	138

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
RAY	803772	7/31/18	DUP	6.89	19.8	1493	139
RAY	803772	7/19/19		6.86	19.7	1465	132
RAY	803772	8/13/20		6.80	20.5	1362	136
RAY	803772	7/23/21		6.88	20.5	1701	209
RAY	803772	7/23/21	DUP	6.88	20.5	1701	209
RAY	803772	7/6/22		7.17	21.4	1509	146
RAY	803772	7/26/23		6.95	21.5	1577	148
RAY	803772	7/25/24		6.98	21.7	1458	138
RAY	803772	7/17/25		7.19	21.3	1534	139
ROGERS 596	573596	10/19/09		6.89	23.3	1360	590
ROGERS 596	573596	11/5/09		6.79	21.9	1418	540
ROGERS 596	573596	2/25/10		6.99	19.6	1603	520
ROGERS 596	573596	4/22/10		7.21	18.2	1641	710
ROGERS 596	573596	1/18/18		6.85	18.9	1431	655
ROGERS 596	573596	7/26/18		6.85	22.9	1644	735
ROGERS 596	573596	1/14/19		6.83	17.9	1651	757
ROGERS 596	573596	7/22/19		6.84	25.9	1714	835
ROGERS 596	573596	1/22/20		6.68	19.4	1621	831
ROGERS 596	573596	8/11/20		6.86	23.1	1518	666
ROGERS 596	573596	7/22/21		6.90	22.3	1439	651
ROGERS 596	573596	2/1/22		6.93	17.9	1537	663
ROGERS 596	573596	7/8/22		6.96	23.0	1386	541
ROGERS 596	573596	1/13/23		ND	18.3	1497	621
ROGERS 596	573596	7/20/23		6.89	27.8	1487	807
ROGERS 596	573596	1/15/24		7.07	16.1	1458	581
ROGERS 596	573596	7/26/24		6.91	25.5	1408	521
ROGERS 596	573596	1/28/25		6.82	19.0	1419	499
ROGERS 596	573596	7/9/25		6.89	26.4	1390	535
ROGERS 803	641803	2/7/08		7.45	18.6	601	138
ROGERS 803	641803	4/21/08		7.32	21.4	552	128
ROGERS 803	641803	5/8/08		7.14	21.2	622	141
ROGERS 803	641803	6/23/08		7.06	22.9	660	129
ROGERS 803	641803	7/29/08		6.78	23.1	339	134
ROGERS 803	641803	8/28/08		7.18	21.6	635	128
ROGERS 803	641803	9/23/08		7.24	21.9	599	133
ROGERS 803	641803	10/22/08		7.36	21.3	650	144
ROGERS 803	641803	2/10/09		7.42	17.9	475	141
ROGERS 803	641803	4/29/09		7.52	21.9	506	211
ROGERS 803	641803	8/3/09		7.39	24.2	674	150
ROGERS 803	641803	7/16/10		7.46	23.9	643.4	169
ROGERS 803	641803	10/19/10		7.32	21.1	643.8	154
ROGERS 803	641803	10/19/10	DUP	7.32	21.1	643.8	154
ROGERS 803	641803	1/20/11		7.44	18.1	610	143
ROGERS 803	641803	4/8/11		7.30	20.2	658.2	160
ROGERS 803	641803	7/14/11		7.12	23.5	653.5	166
ROGERS 803	641803	10/12/11		7.41	21.8	665.3	175
ROGERS 803	641803	1/30/12		7.40	20.0	580	171
ROGERS 803	641803	4/23/12		7.32	23.9	720	166
ROGERS 803	641803	7/13/12		7.26	24.0	820	171
ROGERS 803	641803	7/13/12	DUP	7.26	24.0	820	166
ROGERS 803	641803	10/10/12		7.41	24.3	671.4	177
ROGERS 803	641803	1/15/13		7.37	16.9	681.1	174
ROGERS 803	641803	4/15/13		7.57	23.8	698	190
ROGERS 803	641803	7/15/13		7.39	23.6	697.8	184

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
ROGERS 803	641803	10/16/13		7.47	25.4	710.6	185
ROGERS 803	641803	1/9/14		7.46	21.4	701.8	190
ROGERS 803	641803	4/11/14		7.52	26.1	711.3	190
ROGERS 803	641803	7/18/14		7.48	24.9	709.2	192
ROGERS 803	641803	9/30/17		7.03	21.5	1396	621
ROGERS E	216018	2/4/08		7.40	21.0	435	4.6
ROGERS E	216018	5/7/08		7.18	22.2	415	5.9
ROGERS E	216018	7/17/08		7.28	23.0	446	7.1
ROGERS E	216018	10/27/08		7.38	21.4	434	15.7
ROGERS E	216018	2/10/09		7.51	20.7	322	5.4
ROGERS E	216018	4/16/09		7.48	22.0	361	4.9
ROGERS E	216018	7/13/09		7.34	22.6	420	3.8
ROGERS E	216018	10/6/09		7.31	22.3	407	5.8
ROGERS E	216018	1/25/10		7.52	20.6	414	5.1
ROGERS E	216018	4/21/10		7.44	21.1	421	6.04
ROGERS E	216018	7/21/10		7.37	23.8	430	6.47
ROGERS E	216018	10/19/10		7.80	22.8	460	5.92
ROGERS E	216018	1/18/11		7.39	21.5	390	5.50
ROGERS E	216018	4/11/11		7.19	22.7	427.2	6.13
ROGERS E	216018	7/18/11		7.12	24.3	418.5	6.00
ROGERS E	216018	10/13/11		7.52	22.2	370	5.99
ROGERS E	216018	1/30/12		7.38	20.8	427.2	6.22
ROGERS E	216018	4/10/12		7.37	22.1	421.8	6.31
ROGERS E	216018	7/17/12		7.32	22.7	420	5.85
ROGERS E	216018	10/17/12		7.55	21.7	429.0	6.04
ROGERS E	216018	1/17/13		7.46	21.5	431.5	6.01
ROGERS E	216018	4/18/13		7.63	21.3	433.5	6.26
ROGERS E	216018	7/17/13		7.59	22.1	427.7	6.05
ROGERS E	216018	7/17/13	DUP	7.59	22.1	427.7	6.28
ROGERS E	216018	10/10/13		7.51	21.9	436.9	5.8
ROGERS E	216018	1/7/14		7.49	21.0	434.0	6.24
ROGERS E	216018	4/14/14		7.59	21.4	431.2	6.11
ROGERS E	216018	7/10/14		7.54	22.4	428.5	6.41
ROGERS E	216018	10/17/14		7.31	22.6	452	5.81
ROGERS E	216018	7/30/15		7.57	22.9	430.3	5.90
ROGERS E	216018	7/14/16		7.58	22.7	430.2	6.71
ROGERS E	216018	7/26/17		7.31	21.3	429.3	6.86
ROGERS E	216018	2/23/18		7.32	21.0	423.0	6.20
ROGERS E	216018	7/13/18		7.33	20.8	430.3	6.32
ROGERS E	216018	1/11/19		7.27	20.6	418.5	6.51
ROGERS E	216018	7/12/19		7.31	20.8	429.5	6.76
ROGERS E	216018	1/20/20		6.77	21.1	432.8	6.30
ROGERS E	216018	8/7/20		7.35	21.5	431.2	6.62
ROGERS E	216018	1/12/21		7.33	21.3	437.8	6.79
ROGERS E	216018	7/14/21		7.34	20.6	446.7	8.94
ROGERS E	216018	2/1/22		7.46	20.4	455.1	7.65
ROGERS E	216018	7/11/22		7.43	22.0	470.3	8.65
ROGERS E	216018	1/24/23		7.42	20.0	501.8	9.61
ROGERS E	216018	7/21/23		7.54	22.3	486.0	8.58
ROGERS E	216018	1/18/24		7.44	20.3	480.8	9.60
ROGERS E	216018	8/6/24		7.47	21.4	476.6	10.8
ROGERS E	216018	8/6/24	DUP	7.47	21.4	476.6	10.7
ROGERS E	216018	1/27/25		7.31	20.5	454.0	9.87
ROGERS E	216018	7/17/25		7.41	22.4	475.1	10.7

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
RUIZ	531770	2/5/08		7.73	18.2	445	263
RUIZ	531770	5/15/08		7.23	25.9	965	265
RUIZ	531770	7/30/08		6.99	22.1	999	243
RUIZ	531770	10/20/08		7.04	22.0	995	238
RUIZ	531770	2/12/09		6.94	20.9	748	254
RUIZ	531770	4/21/09		7.18	22.3	759	227
RUIZ	531770	8/3/09		7.05	22.9	1029	221
RUIZ	531770	10/28/09		7.09	20.6	920	227
RUIZ	531770	2/1/10		7.08	20.9	934	236
RUIZ	531770	4/26/10		7.01	22.5	920.1	240
RUIZ	531770	7/20/10		7.08	22.5	880	240
RUIZ	531770	10/20/10		7.52	20.7	970	231
RUIZ	531770	1/18/11		7.19	20.2	860	213
RUIZ	531770	4/8/11		7.09	19.8	923.3	236
RUIZ	531770	8/26/11		6.85	22.6	800	220
RUIZ	531770	10/13/11		7.19	21.5	810	230
RUIZ	531770	2/7/12		7.28	20.7	915.6	230
RUIZ	531770	2/7/12	DUP	7.28	20.7	915.6	228
RUIZ	531770	4/13/12		7.04	21.1	896.5	203
RUIZ	531770	7/18/12		6.87	21.6	900	214
RUIZ	531770	10/9/12		7.18	21.4	890.6	229
RUIZ	531770	1/11/13		7.21	20.7	895.8	219
RUIZ	531770	1/11/13	DUP	7.21	20.7	895.8	211
RUIZ	531770	4/11/13		7.26	21.9	876.8	229
RUIZ	531770	7/25/13		7.13	21.4	887.3	228
RUIZ	531770	10/17/13		7.23	20.8	891.9	210
RUIZ	531770	1/8/14		7.32	20.5	886.8	220
RUIZ	531770	4/15/14		7.26	21.2	873.5	215
RUIZ	531770	8/11/14		7.32	21.2	869.2	221
RUIZ	531770	10/21/14		7.09	21.4	886	209
RUIZ	531770	10/21/14	DUP	7.09	21.4	886	212
RUIZ	531770	1/27/15		7.14	21.4	853	215
RUIZ	531770	7/30/15		7.2	21.9	865.8	191
RUIZ	531770	1/12/16		7.29	19.9	831.3	190
RUIZ	531770	7/25/16		7.17	21.2	854.5	183
RUIZ	531770	1/26/17		7.09	20.4	844.2	194
RUIZ	531770	7/25/17		7.06	20.5	850.8	190
RUIZ	531770	1/16/18		7.03	20.1	829.4	185
RUIZ	531770	7/24/18		7.02	20.7	827.2	180
RUIZ	531770	1/15/19		7.00	19.8	824.6	170
RUIZ	531770	7/10/19		6.86	20.9	828.4	169
RUIZ	531770	1/16/20		7.20	19.6	809.9	176
RUIZ 146	232146	8/12/20		7.12	22.1	673.5	117
RUIZ 146	232146	1/12/21		7.22	21.1	632.6	103
RUIZ 146	232146	7/21/21		7.29	20.9	635.0	102
RUIZ 146	232146	2/1/22		7.32	20.4	618.3	89.7
RUIZ 146	232146	7/12/22		7.27	23.0	620.1	94.1
RUIZ 146	232146	1/13/23		ND	21.0	623.5	92.5
RUIZ 146	232146	7/21/23		7.35	20.9	629.0	93.4
RUIZ 146	232146	1/16/24		7.40	19.9	609.8	77.7
RUIZ 146	232146	8/6/24		7.32	21.3	636.3	104
RUIZ 146	232146	2/4/25		7.25	20.7	585.9	70.6
RUIZ 146	232146	2/4/25	DUP	7.25	20.7	585.9	70.0
RUIZ 146	232146	7/17/25		7.28	22.1	627.7	81.4

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
SCHWARTZ	210865	2/8/08		7.52	21.5	506	158
SCHWARTZ	210865	4/21/08		7.23	21.7	563	122
SCHWARTZ	210865	5/19/08		7.38	22.4	629	130
SCHWARTZ	210865	6/23/08		7.02	22.1	674	129
SCHWARTZ	210865	7/29/08		7.25	22.4	955	245
SCHWARTZ	210865	8/28/08		M	22.3	669	131
SCHWARTZ	210865	9/23/08		7.27	22.2	607	124
SCHWARTZ	210865	10/22/08		7.31	22.0	653	135
SCHWARTZ	210865	11/19/08		7.38	21.1	612	140
SCHWARTZ	210865	12/17/08		6.78	21.6	472	144
SCHWARTZ	210865	1/29/09		7.08	22.0	475	124
SCHWARTZ	210865	2/23/09		7.33	22.1	610	123
SCHWARTZ	210865	4/17/09		7.46	22.2	520	120
SCHWARTZ	210865	7/10/09		7.52	22.8	651	116
SCHWARTZ	210865	7/10/09	DUP	7.52	22.8	651	117
SCHWARTZ	210865	10/6/09		7.27	22.5	613	120
SCHWARTZ	210865	1/22/10		7.79	19.5	664	133
SCHWARTZ	210865	4/21/10		7.50	20.9	638	129
SCHWARTZ	210865	7/21/10		7.43	22.0	650	134
SCHWARTZ	210865	10/19/10		7.76	21.2	710	147
SCHWARTZ	210865	1/17/11		7.15	21.2	620	116
SCHWARTZ	210865	4/11/11		7.20	21.5	656.9	128
SCHWARTZ	210865	7/18/11		7.36	23.7	612.4	116
SCHWARTZ	210865	10/12/11		7.35	22.4	635.8	124
SCHWARTZ	210865	2/6/12		7.32	21.3	629.7	116
SCHWARTZ	210865	2/6/12	DUP	7.32	21.3	629.7	114
SCHWARTZ	210865	4/10/12		7.48	21.6	626.1	120
SCHWARTZ	210865	7/16/12		7.31	21.9	710	117
SCHWARTZ	210865	10/17/12		7.48	21.6	645	121
SCHWARTZ	210865	3/13/13		7.57	20.7	623.6	118
SCHWARTZ	210865	5/14/13		7.61	21.5	629.7	112
SCHWARTZ	210865	7/15/13		7.49	22.1	770.2	198
SCHWARTZ	210865	10/14/13		7.55	20.9	633.3	109
SCHWARTZ	210865	1/13/14		7.61	20.6	663.1	125
SCHWARTZ	210865	4/9/14		7.48	21.5	635.9	110
SCHWARTZ	210865	7/18/14		7.45	21.8	790.5	216
SCHWARTZ	210865	10/22/14		7.28	22	646.0	119
SCHWARTZ	210865	2/3/15		7.35	22.4	714	125
SCHWARTZ	210865	2/3/15	DUP	7.35	22.4	714	126
SCHWARTZ	210865	8/4/15		7.49	22.5	641.8	109
SCHWARTZ	210865	1/14/16		7.55	20.6	678.3	134
SCHWARTZ	210865	7/27/16		7.51	22.3	621.3	103
SCHWARTZ	210865	7/27/16	DUP	7.51	22.3	621.3	102
SCHWARTZ	210865	1/24/17		7.33	20.3	650.6	120
SCHWARTZ	210865	7/11/17		7.29	20.6	627.0	103
SCHWARTZ	210865	7/11/17	DUP	7.29	20.6	627.0	102
SCHWARTZ	210865	1/9/18		7.26	20.5	619.5	97.2
SCHWARTZ	210865	7/11/18		7.33	20.4	622.9	96.2
SCHWARTZ	210865	1/9/19		7.24	20.4	671.2	131
SCHWARTZ	210865	1/22/20		6.86	21.0	721.7	155
SCHWARTZ	210865	7/22/20		7.26	21.2	686.1	138
SCHWARTZ	210865	1/8/21		7.28	21.0	709.3	156
SCHWARTZ	210865	1/8/21	DUP	7.28	21.0	709.3	148
SCHWARTZ	210865	7/20/21		7.30	20.4	726.5	156

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
SCHWARTZ	210865	2/1/22		7.38	17.3	732.7	162
SCHWARTZ	210865	7/13/22		7.35	22.8	715.2	145
SCHWARTZ	210865	1/13/23		ND	21.1	733.3	161
SCHWARTZ	210865	1/13/23	DUP	ND	21.1	733.3	159
SCHWARTZ	210865	7/20/23		7.33	23.7	659.6	113
SCHWARTZ	210865	7/20/23	DUP	7.33	23.7	659.6	115
SCHWARTZ	210865	1/16/24		7.46	20.0	690.0	127
SCHWARTZ	210865	7/25/24		7.40	24.8	703	141
SCHWARTZ	210865	2/4/25		7.19	21.2	776.9	185
SCHWARTZ	210865	7/17/25		7.33	22.5	725.1	154
SRC	211345	4/23/08		7.57	25.8	380	19
SRC	211345	8/5/08		7.40	27.2	452	15.4
SWAN	NR	2/13/08		7.28	20.7	467	24.1
SWAN	NR	5/14/08		7.24	21.2	479	23.7
SWAN	NR	7/24/08		7.35	22.4	506	18
SWAN	NR	10/16/08		7.32	20.7	488	19
SWAN	NR	1/20/09		7.05	20.4	391	19.8
SWAN	NR	4/7/09		7.21	21.5	447	19.9
SWAN	NR	7/8/09		7.18	23.1	473	18.5
SWAN	NR	10/5/09		7.18	21.4	496	19.7
SWAN	NR	1/21/10		7.49	19.5	501	18.4
SWAN	NR	4/21/10		7.42	20.3	512.1	20.9
SWAN	NR	7/19/10		7.13	23.8	518.6	22.2
SWAN	NR	1/18/11		7.19	17.8	483.6	18.7
SWAN	NR	7/12/11		7.05	22.4	478.2	19.1
SWAN	NR	2/3/12		7.40	20.5	484.5	20.1
SWAN	NR	2/3/12	DUP	7.40	20.5	484.5	19.5
SWAN	NR	7/10/12		7.00	22.7	370	19.4
SWAN	NR	1/11/13		7.38	20.0	489.0	19.3
SWAN	NR	7/8/13		7.45	22.8	489.7	19.4
SWAN	NR	1/10/14		7.65	19.7	428.6	19.2
SWAN	NR	7/7/14	DUP	7.44	21.8	464.7	19.4
SWAN	NR	7/20/15		7.45	23.0	491.2	18.8
SWAN	NR	7/20/15	DUP	7.45	23.0	491.2	18.9
SWAN	NR	7/11/16		7.30	22.6	504.7	18.6
SWAN	NR	7/27/17		7.13	20.9	500.8	18.5
SWAN	NR	7/31/18		7.10	20.9	557.7	20.1
TERRY	229470	3/18/19		7.46	20.6	419.4	6.63
TERRY	229470	7/19/19		7.31	20.1	447.3	6.25
TERRY	229470	8/13/20		7.38	21.6	453.6	6.76
TERRY	229470	7/28/21		7.38	20.0	457.8	7.08
TERRY 101	234101	9/3/21		7.41	20.6	413.0	10.7
TERRY 101	234101	7/27/23		7.58	22.6	412.3	9.62
TERRY 101	234101	8/2/24		7.52	21.5	415.4	10.5
THOMPSON 341	218341	5/29/13		7.22	24.4	415.9	7.32
THOMPSON 341	218341	8/9/13		7.57	22.2	420.0	7.62
THOMPSON 341	218341	10/9/13		7.49	21.6	425.2	7.54
THOMPSON 341	218341	1/16/14		7.53	21.5	432.7	7.48
THOMPSON 341	218341	4/14/14		7.50	21.6	425.8	7.68
THOMPSON 341	218341	7/21/14		7.48	22.3	414.2	8.02
THOMPSON 341	218341	10/22/14		7.23	22.3	430	8.02
THOMPSON 341	218341	8/3/15		7.50	23.1	425.7	7.52
THOMPSON 341	218341	7/15/16		7.45	22.4	420.8	8.46
THOMPSON 341	218341	7/28/17		7.24	21.2	422.4	8.33

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
THOMPSON 341	218341	7/26/18		7.34	21.0	420.6	8.27
THOMPSON 341	218341	7/10/19		7.15	21.7	418.3	6.44
THOMPSON 341	218341	8/12/20		7.29	21.6	420.3	7.85
THOMPSON 341	218341	7/29/21		7.23	20.8	417.6	8.21
THOMPSON 341	218341	7/7/22		7.38	21.5	419.3	8.24
THOMPSON 341	218341	8/23/23		7.39	21.2	418.9	9.39
THOMPSON 341	218341	8/15/24		7.34	23.6	429.1	9.31
THOMPSON 341	218341	7/15/25		7.42	22.4	418.3	9.28
TM-02A	522574	3/4/08		8.67	22.6	302	12.3
TM-02A	522574	5/23/08		7.75	22.9	321	14.7
TM-02A	522574	8/15/08		7.84	26.4	369	14.4
TM-02A	522574	10/30/08		8.07	23.9	375	21.9
TM-02A	522574	2/24/09		8.10	24.8	340	20.3
TM-02A	522574	5/6/09		8.06	26.7	320	18.7
TM-02A	522574	8/12/09		8.34	26.9	398	20
TM-02A	522574	11/4/09		8.16	26.3	381	21.8
TM-02A	522574	3/10/10		8.13	25.2	351	21.4
TM-02A	522574	3/10/10	DUP	8.13	25.2	351	21.3
TM-02A	522574	4/6/10		6.96	24.6	363	25.6
TM-02A	522574	7/6/10		7.38	24.6	343	22.1
TM-02A	522574	2/10/11		6.93	20.2	359	22.9
TM-02A	522574	7/13/11		7.92	24.8	349	22.5
TM-02A	522574	2/2/12		7.89	22.2	360	23.0
TM-02A	522574	8/14/12		7.65	24.6	366	23.4
TM-02A	522574	2/15/13		7.72	22.2	369	22.1
TM-02A	522574	8/27/13		7.72	24.7	414	23.5
TM-02A	522574	2/18/14		7.54	24.3	388	24.5
TM-02A	522574	8/12/14		7.62	24.7	395	25.6
TM-02A	522574	8/1/17		7.84	24.7	333	21.5
TM-02A	522574	8/8/19		8.02	24.4	359	19.4
TM-02A	522574	7/15/21		8.14	24.9	359	20.1
TM-02A	522574	8/22/23		8.19	24.3	414	20.5
TM-02A	522574	8/27/25		7.80	24.0	480	19.6
TM-03	522575	5/20/08		7.51	22.2	778	110
TM-03	522575	8/6/08		7.08	21.6	828	97
TM-03	522575	11/12/08		7.47	20.5	590	128
TM-03	522575	2/26/09		7.21	21.8	737	107
TM-03	522575	2/26/09	DUP	7.21	21.8	737	102
TM-03	522575	5/13/09		7.47	22.2	695	109
TM-03	522575	8/18/09		7.48	22.4	822	98
TM-03	522575	11/10/09		7.55	21.8	761	106
TM-03	522575	3/2/10		7.56	21.6	748	99
TM-03	522575	4/14/10		7.55	20.6	635	103
TM-03	522575	7/7/10		7.19	21.4	566	103
TM-03	522575	2/1/12		7.48	21.1	744	112
TM-06 MILLER	522695	2/27/08		7.44	19.6	457	13.9
TM-06 MILLER	522695	5/20/08		7.50	20.7	506	32.7
TM-06 MILLER	522695	8/4/08		7.41	20.7	529	31.3
TM-06 MILLER	522695	10/29/08		7.55	20.2	531	34.5
TM-06 MILLER	522695	2/26/09		7.18	20.4	574	32.7
TM-06 MILLER	522695	5/13/09		7.35	20.9	465	30.6
TM-06 MILLER	522695	8/18/09		7.50	20.9	560	30.9
TM-06 MILLER	522695	8/18/09	DUP	7.50	20.9	560	29.9
TM-06 MILLER	522695	11/12/09		7.53	20.4	530	31.1

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
TM-06 MILLER	522695	4/14/10		7.35	19.4	461	29.0
TM-06 MILLER	522695	7/2/10		7.24	20.1	438	29.8
TM-06 MILLER	522695	7/21/11		7.1	20.1	516	31.7
TM-06 MILLER	522695	7/9/12		6.82	20.8	505	33.5
TM-06 MILLER	522695	2/14/13		6.92	19.6	527	31.1
TM-06 MILLER	522695	8/19/13		7.21	19.9	556	32.5
TM-06 MILLER	522695	7/21/14		7.17	19.9	551	33.0
TM-06 MILLER	522695	7/26/17		7.27	20.4	521	34.5
TM-06 MILLER	522695	7/31/19		7.40	20.5	531	35.6
TM-06 MILLER	522695	7/21/21		7.49	20.5	536	37.3
TM-06 MILLER	522695	8/7/23		7.29	20.5	626	37.6
TM-06 MILLER	522695	7/17/25		7.24	20.2	721	34.9
TM-07	522576	3/6/08		7.54	20.8	726	22.5
TM-07	522576	5/22/08		6.96	20.1	385	22.9
TM-07	522576	8/6/08		7.04	22.8	519	22.2
TM-07	522576	11/4/08		7.76	20.6	347	31.2
TM-07	522576	2/20/09		7.77	19.9	376	22.5
TM-07	522576	5/13/09		7.30	22.9	559	130
TM-07	522576	8/17/09		7.60	22.6	442	134
TM-07	522576	11/3/09		7.85	21.8	441	134
TM-07	522576	3/2/10		7.67	21.6	422	124
TM-07	522576	5/25/10		7.77	21.2	398	42.6
TM-07	522576	7/6/10		7.58	22.0	350	44.7
TM-07	522576	2/11/11		6.87	20.1	393	24.9
TM-07	522576	7/21/11		6.90	21.4	402	41.7
TM-07	522576	2/9/12		7.15	23.0	670	171
TM-07	522576	8/13/12		6.83	21.7	415	25.4
TM-07	522576	2/27/13		6.81	19.9	380	25.6
TM-07	522576	8/28/13		7.36	21.2	369	25.0
TM-07	522576	2/13/14		6.99	20.4	372	27.4
TM-07	522576	8/21/14		7.35	20.6	358	48.5
TM-07	522576	2/4/15		7.58	21.0	375	102
TM-07	522576	9/15/15		7.36	21.5	411	91.3
TM-07	522576	3/14/16		7.46	21.4	419	130
TM-07	522576	9/15/16		7.47	21.2	638	123
TM-07	522576	3/1/17		7.59	20.8	581	129
TM-07	522576	8/2/17		7.56	21.5	563	129
TM-07	522576	2/12/18		7.78	20.4	544	133
TM-07	522576	8/6/18		7.52	21.8	586	116
TM-07	522576	2/5/19		7.71	20.7	568	114
TM-07	522576	8/19/19		7.50	21.1	619	94.1
TM-07	522576	2/10/20		7.61	20.8	614	117
TM-07	522576	3/17/21		7.39	20.8	621	109
TM-07	522576	8/16/21		7.32	22.0	612	114
TM-07	522576	2/1/22		7.26	20.7	618	113
TM-07	522576	8/1/22		7.30	22.1	624	114
TM-07	522576	3/6/23		7.32	20.7	618	101
TM-07	522576	9/6/23		7.55	21.0	662	102
TM-07	522576	3/12/24		7.50	21.2	620	101
TM-07	522576	8/28/24		7.48	21.3	768	97.2
TM-07	522576	2/18/25		7.42	20.8	750	94.7
TM-07	522576	9/3/25		7.46	21.1	590	91.6
TM-08 SWAN	522817	2/13/08		7.63	24.1	511	24.1
TM-08 SWAN	522817	5/14/08		7.44	24.4	480	12.6

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
TM-08 SWAN	522817	7/23/08		7.76	28.1	522	12.6
TM-10 USBP	522696	12/8/11		6.95	19.6	381	16.8
TM-10 USBP	522696	3/15/12		7.85	20.2	382.3	15.1
TM-10 USBP	522696	4/24/12		7.88	21.0	280	13.4
TM-10 USBP	522696	4/24/12	DUP	7.88	21.0	280	13.3
TM-10 USBP	522696	9/13/12		8.09	21.1	407	13.3
TM-10 USBP	522696	10/19/12		8.17	21.0	428.2	12.8
TM-10 USBP	522696	3/7/13		8.33	21.2	415.1	12.7
TM-10 USBP	522696	4/17/13		8.27	20.3	423.9	12.8
TM-10 USBP	522696	7/23/13		8.16	21.4	426.1	13.2
TM-10 USBP	522696	11/6/13		7.90	21.3	386.5	4.81
TM-10 USBP	522696	11/6/13	DUP	7.90	21.3	386.5	4.64
TM-10 USBP	522696	1/15/14		7.91	21.1	424.4	3.98
TM-10 USBP	522696	5/15/14		7.98	20.4	410.6	5.12
TM-10 USBP	522696	7/15/14		7.86	21.4	421.9	5.46
TM-10 USBP	522696	10/16/14		7.51	22.0	439	4.16
TM-10 USBP	522696	1/28/15		7.75	23.0	413	3.96
TM-10 USBP	522696	7/24/15		7.87	22.6	478.8	4.38
TM-10 USBP	522696	2/2/16		7.95	19.8	493.5	5.32
TM-10 USBP	522696	7/13/16		7.73	22.0	514.9	6.67
TM-10 USBP	522696	1/27/17		7.75	21.3	418.4	4.81
TM-10 USBP	522696	7/17/17		7.77	23.5	409.5	8.01
TM-10 USBP	522696	1/8/18		7.60	20.8	387.3	6.80
TM-10 USBP	522696	7/9/18		7.92	23.5	391.4	8.65
TM-10 USBP	522696	1/8/19		7.54	20.6	381.8	12.8
TM-10 USBP	522696	7/16/19		7.67	21.5	378.6	15.0
TM-10 USBP	522696	1/6/20		7.78	20.1	376.0	14.9
TM-10 USBP	522696	8/3/20		7.62	21.4	374.5	14.1
TM-10 USBP	522696	1/5/21		7.75	22.5	369.5	14.5
TM-10 USBP	522696	7/12/21		7.66	20.5	365.5	15.6
TM-10 USBP	522696	1/24/22		7.72	20.7	363.0	13.2
TM-10 USBP	522696	7/19/22		7.96	23.5	361.2	13.5
TM-10 USBP	522696	2/1/23		7.77	20.7	361.3	12.1
TM-10 USBP	522696	8/3/23		7.90	21.2	360.6	12.3
TM-10 USBP	522696	1/26/24		7.81	19.7	353	11.5
TM-10 USBP	522696	8/9/24		7.63	21.7	354.9	11.3
TM-10 USBP	522696	1/31/25		7.68	20.9	344.1	10.1
TM-10 USBP	522696	8/22/25		7.74	19.7	352.3	10.8
TM-15 MILLER	522699	2/27/08		7.66	21.9	344	14
TM-15 MILLER	522699	5/23/08		7.54	22.1	371	14.4
TM-15 MILLER	522699	8/5/08		7.42	23.3	413	13.7
TM-15 MILLER	522699	10/28/08		7.63	22.6	387	18.6
TM-15 MILLER	522699	10/28/08	DUP	7.63	22.6	387	18.8
TM-15 MILLER	522699	2/26/09		7.57	22.0	373	14.6
TM-15 MILLER	522699	5/13/09		7.61	23.1	344	13.7
TM-15 MILLER	522699	8/17/09		7.73	23.2	398	14.2
TM-15 MILLER	522699	11/3/09		7.73	23.4	414	14.8
TM-15 MILLER	522699	2/24/10		7.66	22.8	381	14.4
TM-15 MILLER	522699	4/27/10		7.71	23.0	383.6	14.9
TM-15 MILLER	522699	7/20/10		7.77	23.0	324	14.3
TM-15 MILLER	522699	7/12/11		7.36	23.2	380	14.2
TM-15 MILLER	522699	7/10/12		7.04	23.7	379	14.9
TM-15 MILLER	522699	2/12/13		6.96	21.7	393	14.6
TM-15 MILLER	522699	9/4/13		7.2	22.8	412	14.8

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
TM-15 MILLER	522699	7/22/14		7.18	23.2	407	14.6
TM-15 MILLER	522699	9/8/15		7.19	23.0	411	14.7
TM-15 MILLER	522699	9/14/16		7.45	23.1	381	14.5
TM-15 MILLER	522699	8/1/17		7.38	22.9	384	14.8
TM-15 MILLER	522699	7/18/18		7.46	23.1	386	14.8
TM-15 MILLER	522699	8/19/19		7.59	22.7	387	14.6
TM-15 MILLER	522699	8/24/20		7.61	22.9	386	14.9
TM-15 MILLER	522699	7/12/21		7.73	23.3	387	14.8
TM-15 MILLER	522699	7/25/22		7.53	22.9	396	16.1
TM-15 MILLER	522699	8/3/23		7.64	22.2	443	14.7
TM-15 MILLER	522699	7/31/24		7.51	22.3	529	15.0
TM-15 MILLER	522699	7/31/24	DUP	7.51	22.3	529	15.0
TM-15 MILLER	522699	8/18/25		7.50	22.5	524	14.8
TM-16	522578	3/5/08		7.17	20.6	1351	497
TM-16	522578	5/22/08		7.05	20.5	1304	522
TM-16	522578	8/6/08		6.67	20.9	1410	466
TM-16	522578	11/5/08		7.14	19.8	1162	547
TM-16	522578	2/20/09		6.90	21.1	1292	492
TM-16	522578	5/13/09		6.93	21.1	1179	484
TM-16	522578	8/19/09		7.08	21.2	1354	468
TM-16	522578	11/10/09		7.02	21.0	1310	505
TM-16	522578	3/2/10		7.13	20.4	1313	451
TM-16	522578	4/14/10		6.90	19.9	987	484
TM-16	522578	7/2/10		6.81	20.8	858	474
TM-16	522578	7/14/11		6.97	20.5	1285	511
TM-16	522578	7/16/11		6.97	20.5	1285	513
TM-16	522578	7/9/12		6.95	21.0	1292	544
TM-16	522578	8/15/13		6.86	20.3	1374	539
TM-16	522578	8/4/14		6.79	20.6	1368	550
TM-16	522578	7/12/17		6.87	20.9	1321	536
TM-16	522578	7/30/19		7.15	21.0	1310	479
TM-16	522578	7/15/21		7.06	21.2	1302	499
TM-16	522578	8/7/23		7.20	20.8	1430	481
TM-16	522578	7/14/25		6.92	20.8	1455	479
TM-19A	522581	3/6/08		8.02	22.2	240	56.1
TM-19A	522581	5/22/08		7.36	24.0	501	64.5
TM-19A	522581	8/6/08		7.32	22.6	494	55.3
TM-19A	522581	11/18/08		7.79	24.3	365	66.3
TM-19A	522581	3/3/09		7.41	24.5	489	66.2
TM-19A	522581	4/22/09		7.44	24.3	494	62.5
TM-19A	522581	8/12/09		7.61	24.4	554	61.3
TM-19A	522581	11/4/09		7.47	24.2	522	63
TM-19A	522581	3/10/10		7.54	22.9	511	60.6
TM-19A	522581	4/9/10		6.49	23.0	435	66.5
TM-19A	522581	7/7/10		6.93	23.8	428	63.2
TM-19A	522581	2/14/11		6.69	21.4	511	61.9
TM-19A	522581	7/15/11		7.11	24.1	499	62.1
TM-19A	522581	2/2/12		7.13	22.5	498	62.2
TM-19A	522581	7/10/12		7.12	23.5	505	63.7
TM-19A	522581	2/15/13		6.74	23.2	522	60.1
TM-19A	522581	9/4/13		7.11	23.8	538	61.3
TM-19A	522581	2/12/14		6.93	23.6	548	62.8
TM-19A	522581	7/21/14		7.06	24.2	542	63.3
TM-19A	522581	42257		7.31	24.0	502	61.4

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
TM-19A	522581	8/18/16		7.27	24.1	505	64.7
TM-19A	522581	42942		7.27	24.1	505	64.6
TM-19A	522581	7/25/18		7.49	24.3	511	71.4
TM-19A	522581	43684		7.41	24.1	510	56.6
TM-19A	522581	44060		7.52	23.5	515	59.2
TM-19A	522581	44426		7.47	24.1	504	62.0
TM-19A	522581	44767		7.42	24.2	519	63.3
TM-19A	522581	45167		7.49	23.7	577	67.9
TM-19A	522581	45539		7.49	23.4	689	65.2
TM-19A	522580	45875		7.40	23.4	648	58.0
TM-42	562554	39512		7.10	20.8	1342	482
TM-42	562554	5/22/08		7.05	21.4	1270	483
TM-42	562554	8/6/08		6.69	22.0	1388	467
TM-42	562554	11/6/08		6.90	21.0	1025	477
TM-42	562554	2/18/09		6.72	22.3	1245	429
TM-42	562554	5/7/09		6.88	24.5	1155	430
TM-42	562554	5/7/09	DUP	6.88	24.5	1155	445
TM-42	562554	8/18/09		7.04	24.4	1336	428
TM-42	562554	11/3/09		7.07	23.1	1266	430
TM-42	562554	2/24/10		7.13	22.7	1236	390
TM-42	562554	4/19/10		6.87	21.5	985	444
TM-42	562554	7/2/10		6.81	23.9	827	407
TM-42	562554	7/12/11		6.83	22.0	1205	441
TM-42	562554	2/9/12		6.76	20.5	1172	444
TM-42	562554	7/11/12		6.72	21.1	1155	449
TM-42	562554	2/12/13		6.69	20.2	1185	400
TM-42	562554	8/28/13		6.89	21.3	1212	416
TM-42	562554	7/21/14		6.85	21.4	1205	418
TM-42	562554	7/26/17		6.98	21.6	1234	485
TM-42	562554	8/7/19		6.99	21.7	1371	527
TM-42	562554	7/21/21		6.93	21.8	1500	676
TM-42	562554	8/29/23		7.10	21.3	1630	750
TM-42	562554	8/6/25		7.05	21.4	1540	644
TM-43	564729	3/3/08		8.57	21.0	341	2.1
TM-43	564729	8/4/08		8.14	25.7	436	<5
TM-43A	564726	3/3/08		6.17	19.9	2788	1420
TM-43A	564726	8/4/08		6.03	21.6	3149	1320
TM-43B	565004	3/3/08		6.79	20.6	514	0.7
TM-43B	565004	8/5/08		6.89	21.0	507	31.8
TM-43B	565004	8/5/08	DUP	6.89	21.0	507	32.5
TVI 236	802236	3/20/08		7.48	20.0	488	31.3
TVI 236	802236	5/7/08		7.13	20.4	494	32.6
TVI 236	802236	7/15/08		7.39	21.9	532	37.6
TVI 236	802236	10/15/08		7.45	22.3	490	36.6
TVI 236	802236	2/11/09		7.32	20.1	391	27.6
TVI 236	802236	4/17/09		7.36	19.3	418	28.1
TVI 236	802236	4/17/09	DUP	7.36	19.3	418	28.3
TVI 236	802236	7/21/09		7.59	22.9	484	31.3
TVI 236	802236	10/19/09		7.31	22.1	513	33.2
TVI 236	802236	2/2/10		7.39	20.4	497	26
TVI 236	802236	4/23/10		7.46	20.0	504.6	30.9
TVI 236	802236	7/15/10		7.37	21.5	499.4	39.3
TVI 236	802236	7/15/11		6.80	22.4	499.6	42.9
TVI 236	802236	7/16/12		7.30	21.1	500	36.3
TVI 236	802236	10/9/12		7.56	20.4	513.7	40.9
TVI 236	802236	7/18/13		7.38	20.9	514.4	42.4
TVI 236	802236	7/16/14		7.41	21.1	517.3	43.9

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
TVI 236	802236	7/30/15		7.43	20.5	529.1	16.5
TVI 236	802236	1/12/16		7.57	19.5	505.8	44.1
TVI 236	802236	9/26/16		7.42	19.0	511.4	15.1
TVI 236	802236	1/27/17		7.32	19.3	519.5	47.0
TVI 236	802236	7/31/17		7.04	19.0	532.5	15.8
TVI 236	802236	1/17/18		7.30	18.6	531.3	29.5
TVI 236	802236	7/27/18		7.22	19.3	535.8	17.5
TVI 236	802236	1/16/19		7.41	18.5	530.8	29.0
TVI 236	802236	2/21/24		7.51	18.2	617.0	23.4
TVI 236	802236	8/16/24		7.45	19.7	507.5	30.2
TVI 236	802236	1/25/25		7.42	19.2	480.1	28.9
TVI 236	802236	7/15/25		7.56	20.4	508.1	35.0
TVI 236	802236	7/15/25	DUP	7.56	20.4	508.1	35.1
TVI 875	568875	2/21/08		7.28	21.1	739	244
TVI 875	568875	5/7/08		7.09	21.2	833	250
TVI 875	568875	7/15/08		7.27	22.4	925	274
TVI 875	568875	10/15/08		7.26	22.1	878	245
TVI 875	568875	2/11/09		7.20	20.7	738	312
TVI 875	568875	4/17/09		7.31	21.5	690	251
TVI 875	568875	7/21/09		7.47	22.2	812	236
TVI 875	568875	10/19/09		7.23	21.9	822	247
TVI 875	568875	2/2/10		7.32	20.8	939	250
TVI 875	568875	4/23/10		7.34	20.2	930.4	294
TVI 875	568875	7/15/10		7.46	21.8	842.5	262
TVI 875	568875	10/20/10		7.79	21.9	890	242
TVI 875	568875	1/20/11		7.39	21.0	780	226
TVI 875	568875	4/11/11		7.20	21.1	820.6	235
TVI 875	568875	7/15/11		6.75	22.2	791.9	239
TVI 875	568875	10/12/11		7.35	22.7	868.5	262
TVI 875	568875	2/3/12		7.20	20.5	850	299
TVI 875	568875	4/25/12		7.19	21.3	840	267
TVI 875	568875	7/16/12		7.13	22.2	860	261
TVI 875	568875	7/16/12	DUP	7.13	22.2	860	267
TVI 875	568875	10/9/12		7.39	20.9	882.8	281
TVI 875	568875	2/6/13		7.23	20.8	946.1	335
TVI 875	568875	4/10/13		7.35	20.9	907.6	296
TVI 875	568875	7/18/13		7.31	21.4	994.2	355
TVI 875	568875	10/8/13		7.35	21.0	894.6	275
TVI 875	568875	1/9/14		7.23	20.3	917.4	305
TVI 875	568875	4/9/14		7.31	20.9	910.7	296
TVI 875	568875	7/16/14		7.30	21.6	940.2	328
TVI 875	568875	10/9/14		7.12	21.2	963	245
TVI 875	568875	7/30/15		7.35	22.1	915.4	277
TVI 875	568875	7/14/16		7.28	21.6	919.1	271
TVI 875	568875	7/13/17		7.19	20.1	920.0	303
TVI 875	568875	7/12/18		7.16	20.0	928.8	309
TVI 875	568875	7/18/19		7.09	19.8	972.2	325
WALKER	200393	2/13/08		7.05	20.2	650	20
WALKER	200393	7/23/08		7.25	20.7	740	45.4
WEED	544535	2/14/08		7.74	21.7	323	11.1
WEED	544535	5/15/08		7.22	22.7	365	12.6
WEED	544535	7/30/08		7.42	32.0	407	11.5
WEED	544535	10/20/08		8.10	31.6	405	10.2
WEED	544535	2/13/09		7.66	21.0	303	12.6
WEED	544535	4/22/09		7.46	22.2	368	11.6
WEED	544535	7/16/09		7.50	21.9	365	10.8
WEED	544535	10/20/09		7.34	21.6	381	12.7
WEED	544535	2/1/10		7.60	20.8	382	12.2

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
WEED	544535	4/26/10		7.69	22.1	366	13.4
WEED	544535	7/21/10		7.36	22.1	354.9	13.6
WEED	544535	7/21/10	DUP	7.36	22.1	354.9	13.5
WEED	544535	10/19/10		7.63	21.2	378.8	11.7
WEED	544535	1/19/11		7.62	21.1	383.6	12.2
WEED	544535	4/11/11		7.44	21.5	386.6	13
WEED	544535	7/18/11		7.56	22.0	379.3	12.7
WEED	544535	10/12/11		7.02	21.7	382.8	13.3
WEED	544535	2/6/12		7.60	21.4	385.0	13.5
WEED	544535	4/25/12		7.60	22.1	360	12.7
WEED	544535	7/5/12		7.64	21.7	385.8	12.9
WEED	544535	10/9/12		7.66	21.5	385.1	14.0
WEED	544535	2/7/13		7.7	21.4	389.7	14.0
WEED	544535	2/7/13	DUP	7.7	21.4	389.7	13.2
WEED	544535	4/10/13		7.76	20.6	383.9	13.0
WEED	544535	7/19/13		7.63	21.3	386.6	14.2
WEED	544535	10/18/13		7.72	21.1	387.3	13.1
WEED	544535	1/15/14		7.73	20.7	388.4	13.4
WEED	544535	4/10/14		7.85	21.5	387.1	13.5
WEED	544535	7/18/14		7.79	21.4	386.7	14.1
WEED	544535	10/22/14		7.5	22.7	394	13.7
WEED	544535	1/30/15		7.81	20.7	381	14.2
WEED	544535	8/4/15		7.72	22	386.7	13.1
WEED	544535	1/14/16		7.79	20.2	376.9	13.7
WEED	544535	7/22/16		7.89	22.9	376.2	13.2
WEED	544535	1/23/17		7.58	20.4	387.5	13.3
WEED	544535	7/24/17		7.52	20.5	386.8	13.9
WEED	544535	1/16/18		7.51	20.3	384.2	14.0
WEED	544535	7/16/18		7.49	20.4	385.1	13.3
WEED	544535	1/8/19		7.52	20.3	388.2	13.1
WEED	544535	7/8/19		7.02	21.3	393.5	11.1
WEED	544535	1/22/20		7.10	20.8	387.1	13.5
WEED	544535	7/21/20		7.63	21.2	384.2	13.7
WEED	544535	1/7/21		7.55	21.2	383.1	12.8
WEED	544535	7/21/21		7.63	20.2	384.3	14.7
WEED	544535	2/1/22		7.62	20.1	377.2	12.6
WEED	544535	7/6/22		7.73	21.3	379.7	12.9
WEED	544535	1/12/23		ND	20.3	381.7	13.7
WEED	544535	7/24/23		7.71	20.6	387.7	13.0
WEED	544535	1/16/24		8.14	18.7	380.3	12.5
WEED	544535	8/8/24		7.69	20.8	399.4	13.8
WEED	544535	1/27/25		7.60	19.8	379.2	13.7
WEED	544535	7/8/25		7.76	21.8	395.7	13.4
WEISKOPF 802	641802	2/15/08		7.48	20.0	1072	500
WEISKOPF 802	641802	5/7/08		7.10	21.8	1251	483
WEISKOPF 802	641802	7/16/08		7.07	22.2	1399	560
WEISKOPF 802	641802	10/28/08		6.98	20.8	1401	602
WEISKOPF 802	641802	1/29/09		6.79	20.7	1014	503
WEISKOPF 802	641802	4/15/09		7.53	21.1	1164	503
WEISKOPF 802	641802	7/15/09		7.84	22.1	1317	486
WEISKOPF 802	641802	10/15/09		6.89	21.4	1216	484
WEISKOPF 802	641802	2/2/10		7.22	20.4	1319	451
WEISKOPF 802	641802	4/22/10		7.30	19.3	1329	572
WEISKOPF 802	641802	7/19/10		7.06	23.1	1330	573
WEISKOPF 802	641802	10/20/10		7.64	21.6	1360	515
WEISKOPF 802	641802	10/20/10	DUP	7.64	21.6	1360	529
WEISKOPF 802	641802	1/17/11		7.16	22.0	1270	481
WEISKOPF 802	641802	4/11/11		6.88	22.4	1365	557

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
WEISKOPF 802	641802	8/26/11		6.83	23.5	1200	549
WEISKOPF 802	641802	10/13/11		7.07	22.8	1299	539
WEISKOPF 802	641802	2/3/12		7.35	21.5	1363	583
WEISKOPF 802	641802	4/25/12		7.07	23.5	1300	575
WEISKOPF 802	641802	7/13/12		6.83	22.2	1530	552
WEISKOPF 802	641802	10/11/12		7.26	21.3	1369	572
WEISKOPF 802	641802	10/11/12	DUP	7.26	21.3	1369	577
WEISKOPF 802	641802	1/16/13		7.14	20.5	1298	523
WEISKOPF 802	641802	4/17/13		7.22	20.1	1337	558
WEISKOPF 802	641802	7/18/13		7.45	21.3	1131	420
WEISKOPF 802	641802	10/17/13		7.29	22.5	1131	437
WEISKOPF 802	641802	1/16/14		7.28	22.7	1323	563
WEISKOPF 802	641802	4/11/14		7.29	23.0	1304	558
WEISKOPF 802	641802	7/18/14		7.17	23.3	1375	608
WEISKOPF 802	641802	10/9/14		7.08	24.5	1094	405
WEISKOPF 802	641802	8/4/15		7.07	24.5	1571	699
WEISKOPF 802	641802	8/4/15	DUP	7.07	24.5	1571	701
WEISKOPF 802	641802	7/26/16		7.00	22.8	1483	702
WEISKOPF 802	641802	7/24/17		6.85	22.8	1524	698
WEISKOPF 802	641802	7/23/19		6.90	21.8	1520	657
WEISKOPF 897	220897	12/6/12		7.93	23.6	398.3	18.5
WEISKOPF 897	220897	1/16/13		7.88	23.1	398.9	18.2
WEISKOPF 897	220897	1/16/13	DUP	7.88	23.1	398.9	18.2
WEISKOPF 897	220897	4/17/13		7.86	22.6	394.4	19.0
WEISKOPF 897	220897	7/18/13		7.84	24.3	393.2	18.0
WEISKOPF 897	220897	10/17/13		7.90	23.3	392.2	18.3
WEISKOPF 897	220897	1/16/14		7.90	23	395.8	18.4
WEISKOPF 897	220897	4/11/14		7.92	23.5	390.5	17.9
WEISKOPF 897	220897	7/18/14		7.87	23.9	387.4	18.4
WEISKOPF 897	220897	10/9/14		7.69	22.8	392	17.7
WEISKOPF 897	220897	8/4/15		7.89	24.9	385.7	17.3
WEISKOPF 897	220897	7/26/16		7.81	23.8	387.0	17.8
WEISKOPF 897	220897	7/24/17		7.58	23.1	386.7	17.0
WEISKOPF 897	220897	7/16/18		7.60	22.9	383.3	16.7
WEISKOPF 897	220897	7/23/19		7.57	22.9	383.1	16.1
WEISKOPF 897	220897	7/23/20		7.59	23.7	381.5	16.9
WEISKOPF 897	220897	7/26/21		7.57	22.9	380.8	16.5
WEISKOPF 897	220897	7/13/22		7.71	25.8	394.3	16.7
WEISKOPF 897	220897	7/26/23		8.01	24.7	381.8	15.9
WEISKOPF 897	220897	7/26/24		7.58	23.3	384	16.6
WEISKOPF 897	220897	7/16/25		7.65	24.3	385.2	17.0
WMD-2011-03M	913037	2/2/12		6.66	22.0	1190	391
ZANDER	205126	2/4/08		7.24	19.7	392	5.7
ZANDER	205126	5/6/08		7.26	21.2	404	6.3
ZANDER	205126	7/16/08		6.92	22.9	441	6.9
ZANDER	205126	10/28/08		7.40	21.2	415	15
ZANDER	205126	2/10/09		7.50	20.4	317	6
ZANDER	205126	4/16/09		7.47	21.7	352	5.5
ZANDER	205126	7/14/09		7.36	22.9	418	4.5
ZANDER	205126	10/13/09		7.41	21.7	407	6.3
ZANDER	205126	1/26/10		7.49	20.3	411	5.7
ZANDER	205126	4/2/10		7.55	20.0	416	6.70
ZANDER	205126	7/21/10		7.38	22.7	388.2	6.78
ZANDER	205126	10/19/10		6.78	21.3	430	6.56
ZANDER	205126	1/18/11		7.59	18.9	380	6.14
ZANDER	205126	1/18/11	DUP	7.59	18.9	380	6.06
ZANDER	205126	4/6/11		7.20	19.7	425.8	6.12
ZANDER	205126	7/13/11		7.29	22.9	410.1	6.43

APPENDIX C
Compilation of Analytical Results For Sulfate and Field Parameters

Well Name	ADWR 55 Registry Number	Sample Date	Duplicate	pH (SU)	Temp (deg C)	SC (µS/cm)	Sulfate, dissolved (mg/L)
ZANDER	205126	10/12/11		7.35	22.2	426.2	6.38
ZANDER	205126	1/31/12		7.29	20.3	420	6.59
ZANDER	205126	4/10/12		7.49	21.9	420.1	6.90
ZANDER	205126	4/10/12	DUP	7.49	21.9	420.1	6.65
ZANDER	205126	7/17/12		7.34	22.2	430	6.38
ZANDER	205126	10/8/12		7.58	20.8	431.4	7.03
ZANDER	205126	1/10/13		7.58	20.7	436.1	6.52
ZANDER	205126	4/18/13		7.65	20.8	436.7	6.66
ZANDER	205126	7/15/13		7.55	21.8	431.1	6.49
ZANDER	205126	10/7/13		7.59	21.5	430.2	6.41
ZANDER	205126	1/7/14		7.50	20.9	435.4	6.77
ZANDER	205126	4/9/14		7.57	21.5	434.4	6.57
ZANDER	205126	7/17/14		7.61	21.5	432.0	6.99
ZANDER	205126	10/13/14		7.52	23.8	422.0	6.24
ZANDER	205126	8/3/15		7.61	22.5	430.3	6.54
ZANDER	205126	7/15/16		7.53	22.4	434.1	7.12
ZANDER	205126	7/24/17		7.26	20.5	430.2	7.21
ZANDER	205126	7/24/18		7.28	20.7	427.0	7.12
ZANDER	205126	7/16/19		7.23	20.4	426.5	6.49
ZANDER	205126	8/11/20		7.29	21.2	426.3	6.99
ZANDER	205126	7/27/21		7.37	20.4	423.8	7.96
ZANDER	205126	7/14/22		7.43	20.8	419.7	7.67
ZANDER	205126	7/28/23		7.55	21.8	420.4	6.83

Notes:
35-71891 = ADWR 35 Database
ADWR = Arizona Department of Water Resources
deg C = degrees Celsius
DUP = blind duplicate
M = Multi-Meter Malfunction
mg/L = milligrams per liter
ND = no data
NR = no record
SC = specific conductance
SU = standard units
µS/cm = microsiemens per centimeter

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
ANDERSON 396	613396	601134.729	3468816.065	4588.51	3/20/08	145.46	4443.05
ANDERSON 396	613396	601134.729	3468816.065	4588.51	5/5/08	145.84	4442.67
ANDERSON 396	613396	601134.729	3468816.065	4588.51	7/14/08	146.16	4442.35
ANDERSON 396	613396	601134.729	3468816.065	4588.51	10/15/08	146.21	4442.30
ANDERSON 396	613396	601134.729	3468816.065	4588.51	1/27/09	145.97	4442.54
ANDERSON 396	613396	601134.729	3468816.065	4588.51	4/14/09	146.21	4442.30
ANDERSON 396	613396	601134.729	3468816.065	4588.51	7/14/09	146.88	4441.63
ANDERSON 396	613396	601134.729	3468816.065	4588.51	10/12/09	147.31	4441.20
ANDERSON 396	613396	601134.729	3468816.065	4588.51	1/27/10	147.31	4441.20
ANDERSON 396	613396	601134.729	3468816.065	4588.51	4/21/10	147.57	4440.94
ANDERSON 396	613396	601134.729	3468816.065	4588.51	7/19/10	148.34	4440.17
ANDERSON 396	613396	601134.729	3468816.065	4588.51	10/19/10	147.75	4440.76
ANDERSON 396	613396	601134.729	3468816.065	4588.51	1/17/11	148.63	4439.88
ANDERSON 396	613396	601134.729	3468816.065	4588.51	4/11/11	149.46	4439.05
ANDERSON 396	613396	601134.729	3468816.065	4588.51	7/14/11	149.92	4438.59
ANDERSON 396	613396	601134.729	3468816.065	4588.51	10/11/11	150.19	4438.32
ANDERSON 396	613396	601134.729	3468816.065	4588.51	2/1/12	150.19	4438.32
ANDERSON 396	613396	601134.729	3468816.065	4588.51	4/25/12	150.69	4437.82
ANDERSON 396	613396	601134.729	3468816.065	4588.51	7/12/12	151.34	4437.17
ANDERSON 396	613396	601134.729	3468816.065	4588.51	10/10/12	151.50	4437.01
ANDERSON 396	613396	601134.729	3468816.065	4588.51	1/17/13	151.24	4437.27
ANDERSON 396	613396	601134.729	3468816.065	4588.51	4/15/13	152.08	4436.43
ANDERSON 396	613396	601134.729	3468816.065	4588.51	7/18/13	152.19	4436.32
ANDERSON 396	613396	601134.729	3468816.065	4588.51	10/16/13	152.41	4436.10
ANDERSON 396	613396	601134.729	3468816.065	4588.51	1/9/14	152.14	4436.37
ANDERSON 396	613396	601134.729	3468816.065	4588.51	4/7/14	152.56	4435.95
ANDERSON 396	613396	601134.729	3468816.065	4588.51	7/11/14	152.02	4436.49
ANDERSON 396	613396	601134.729	3468816.065	4588.51	10/6/14	152.70	4435.81
ANDERSON 396	613396	601134.729	3468816.065	4588.51	2/2/15	152.09	4436.42
ANDERSON 396	613396	601134.729	3468816.065	4588.51	5/18/15	152.22	4436.29
ANDERSON 396	613396	601134.729	3468816.065	4588.51	7/22/15	152.63	4435.88
ANDERSON 396	613396	601134.729	3468816.065	4588.51	10/8/15	152.39	4436.12
ANDERSON 396	613396	601134.729	3468816.065	4588.51	1/12/16	152.00	4436.51
ANDERSON 396	613396	601134.729	3468816.065	4588.51	7/19/16	154.43	4434.08
ANDERSON 396	613396	601134.729	3468816.065	4588.51	1/16/17	153.34	4435.17
ANDERSON 396	613396	601134.729	3468816.065	4588.51	7/18/17	153.99	4434.52
ANDERSON 396	613396	601134.729	3468816.065	4588.51	1/16/18	153.89	4434.62
ANDERSON 396	613396	601134.729	3468816.065	4588.51	7/18/18	154.61	4433.90
ANDERSON 396	613396	601134.729	3468816.065	4588.51	1/7/19	155.18	4433.33
ANDERSON 396	613396	601134.729	3468816.065	4588.51	7/11/19	155.70	4432.81
ANDERSON 396	613396	601134.729	3468816.065	4588.51	1/6/20	155.94	4432.57
ANDERSON 396	613396	601134.729	3468816.065	4588.51	7/22/20	156.05	4432.46
ANDERSON 396	613396	601134.729	3468816.065	4588.51	1/5/21	156.67	4431.84
ANDERSON 396	613396	601134.729	3468816.065	4588.51	7/27/21	157.41	4431.10
ANDERSON 396	613396	601134.729	3468816.065	4588.51	1/27/22	157.98	4430.53
ANDERSON 396	613396	601134.729	3468816.065	4588.51	7/11/22	158.29	4430.22
ANDERSON 396	613396	601134.729	3468816.065	4588.51	1/11/23	158.55	4429.96
ANDERSON 396	613396	601134.729	3468816.065	4588.51	7/26/23	158.91	4429.60
ANDERSON 396	613396	601134.729	3468816.065	4588.51	1/18/24	159.68	4428.83
ANDERSON 396	613396	601134.729	3468816.065	4588.51	8/13/24	160.38	4428.13
ANDERSON 396	613396	601134.729	3468816.065	4588.51	2/5/25	161.11	4427.40
ANDERSON 396	613396	601134.729	3468816.065	4588.51	7/7/25	161.66	4426.85
ANDERSON 458	221458	601118.831	3468825.541	4585.37	9/7/12	173.76	4411.61
ANDERSON 458	221458	601118.831	3468825.541	4585.37	10/10/12	151.82	4433.55

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
ANDERSON 458	221458	601118.831	3468825.541	4585.37	1/17/13	152.17	4433.20
ANDERSON 458	221458	601118.831	3468825.541	4585.37	4/15/13	158.42	4426.95
ANDERSON 458	221458	601118.831	3468825.541	4585.37	7/18/13	157.56	4427.81
ANDERSON 458	221458	601118.831	3468825.541	4585.37	10/16/13	156.24	4429.13
ANDERSON 458	221458	601118.831	3468825.541	4585.37	1/9/14	152.58	4432.79
ANDERSON 458	221458	601118.831	3468825.541	4585.37	4/7/14	153.54	4431.83
ANDERSON 458	221458	601118.831	3468825.541	4585.37	7/11/14	156.66	4428.71
ANDERSON 458	221458	601118.831	3468825.541	4585.37	10/6/14	157.31	4428.06
ANDERSON 458	221458	601118.831	3468825.541	4585.37	5/18/15	156.79	4428.58
ANDERSON 458	221458	601118.831	3468825.541	4585.37	7/22/15	157.03	4428.34
ANDERSON 458	221458	601118.831	3468825.541	4585.37	7/19/16	153.02	4432.35
ANDERSON 458	221458	601118.831	3468825.541	4585.37	7/18/17	155.93	4429.44
ANDERSON 458	221458	601118.831	3468825.541	4585.37	7/18/18	158.55	4426.82
ANDERSON 458	221458	601118.8306	3468825.541	4585.37	7/11/19	185.21	4400.16
ANDERSON 458	221458	601118.831	3468825.541	4585.37	7/22/20	178.36	4407.01
ANDERSON 458	221458	601118.831	3468825.541	4585.37	7/27/21	161.26	4424.11
ANDERSON 458	221458	601118.831	3468825.541	4585.37	7/11/22	170.67	4414.70
ANDERSON 458	221458	601118.831	3468825.541	4585.37	7/26/23	162.7	4422.67
ANDERSON 458	221458	601118.831	3468825.541	4585.37	8/13/24	162.49	4422.88
ANDERSON 458	221458	601118.831	3468825.541	4585.37	2/5/25	161.93	4423.44
ANDERSON 458	221458	601118.831	3468825.541	4585.37	7/7/25	165.39	4419.98
ASLD 435	616435	593503.215	3468886.141	4471.34	6/27/13	250.85	4220.49
ASLD 435	616435	593503.215	3468886.141	4471.34	9/24/13	250.85	4220.49
ASLD 435	616435	593503.215	3468886.141	4471.34	12/3/13	250.79	4220.55
ASLD 435	616435	593503.215	3468886.141	4471.34	2/25/14	250.75	4220.59
ASLD 435	616435	593503.215	3468886.141	4471.34	6/4/14	250.93	4220.41
ASLD 435	616435	593503.215	3468886.141	4471.34	9/10/14	250.97	4220.37
ASLD 435	616435	593503.215	3468886.141	4471.34	11/20/14	250.66	4220.68
ASLD 435	616435	593503.215	3468886.141	4471.34	3/24/15	250.25	4221.09
ASLD 435	616435	593503.215	3468886.141	4471.34	9/17/15	250.17	4221.17
ASLD 435	616435	593503.215	3468886.141	4471.34	3/24/16	250.17	4221.17
ASLD 435	616435	593503.215	3468886.141	4471.34	9/28/16	250.21	4221.13
ASLD 435	616435	593503.215	3468886.141	4471.34	3/20/17	250.55	4220.79
ASLD 435	616435	593503.215	3468886.141	4471.34	8/10/17	250.94	4220.40
ASLD 435	616435	593503.215	3468886.141	4471.34	3/8/18	251.30	4220.04
ASLD 435	616435	593503.215	3468886.141	4471.34	8/22/18	251.57	4219.77
ASLD 435	616435	593503.215	3468886.141	4471.34	2/14/19	251.93	4219.41
ASLD 435	616435	593503.215	3468886.141	4471.34	9/9/19	252.42	4218.92
ASLD 435	616435	593503.215	3468886.141	4471.34	2/27/20	252.73	4218.61
ASLD 435	616435	593503.215	3468886.141	4471.34	8/25/20	253.10	4218.24
ASLD 435	616435	593503.215	3468886.141	4471.34	3/23/21	253.47	4217.87
ASLD 435	616435	593503.215	3468886.141	4471.34	9/20/21	253.99	4217.35
ASLD 435	616435	593503.215	3468886.141	4471.34	3/14/22	254.27	4217.07
ASLD 435	616435	593503.215	3468886.141	4471.34	9/22/22	254.47	4216.87
ASLD 435	616435	593503.215	3468886.141	4471.34	3/14/23	254.42	4216.92
ASLD 435	616435	593503.215	3468886.141	4471.34	9/19/23	253.94	4217.40
ASLD 435	616435	593503.215	3468886.141	4471.34	3/20/24	254.03	4217.31
ASLD 435	616435	593503.215	3468886.141	4471.34	9/26/24	254.4	4216.94
ASLD 435	616435	593503.215	3468886.141	4471.34	3/6/25	254.41	4216.93
ASLD 435	616435	593503.215	3468886.141	4471.34	9/17/25	254.80	4216.54
AWC-02	616586	598907.911	3468565.912	4547.64	4/8/08	116	4431.64
AWC-02	616586	598907.911	3468565.912	4547.64	8/27/08	121.12	4426.52
AWC-02	616586	598907.911	3468565.912	4547.64	10/23/08	115	4432.64
AWC-02	616586	598907.911	3468565.912	4547.64	4/22/09	118	4429.64

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
AWC-02	616586	598907.911	3468565.912	4547.64	10/9/09	117	4430.64
AWC-02	616586	598907.911	3468565.912	4547.64	4/23/10	119	4428.64
AWC-02	616586	598907.911	3468565.912	4547.64	4/11/13	127.64	4420.00
AWC-02	616586	598907.911	3468565.912	4547.64	7/25/13	128.89	4418.75
AWC-02	616586	598907.911	3468565.912	4547.64	10/7/13	125.00	4422.64
AWC-02	616586	598907.911	3468565.912	4547.64	1/7/14	125.36	4422.28
AWC-02	616586	598907.911	3468565.912	4547.64	5/14/14	124.89	4422.75
AWC-02	616586	598907.911	3468565.912	4547.64	7/16/14	124.49	4423.15
AWC-02	616586	598907.911	3468565.912	4547.64	10/15/14	122.52	4425.12
AWC-02	616586	598907.911	3468565.912	4547.64	1/29/15	120.00	4427.64
AWC-02	616586	598907.911	3468565.912	4547.64	5/18/15	162.60	4385.04
AWC-02	616586	598907.911	3468565.912	4547.64	7/21/15	129.08	4418.56
AWC-02	616586	598907.911	3468565.912	4547.64	10/1/15	128.00	4419.64
AWC-02	616586	598907.911	3468565.912	4547.64	1/13/16	128.80	4418.84
AWC-02	616586	598907.911	3468565.912	4547.64	7/19/16	125.40	4422.24
AWC-02	616586	598907.911	3468565.912	4547.64	1/19/17	119.69	4427.95
AWC-02	616586	598907.911	3468565.912	4547.64	9/6/17	131.56	4416.08
AWC-02	616586	598907.911	3468565.912	4547.64	1/17/18	131.93	4415.71
AWC-02	616586	598907.911	3468565.912	4547.64	7/25/18	129.03	4418.61
AWC-02	616586	598907.911	3468565.912	4547.64	1/16/19	121.92	4425.72
AWC-02	616586	598907.911	3468565.912	4547.64	7/23/19	130.58	4417.06
AWC-02	616586	598907.911	3468565.912	4547.64	1/13/20	123.78	4423.86
AWC-02	616586	598907.911	3468565.912	4547.64	8/3/20	128.44	4419.20
AWC-02	616586	598907.911	3468565.912	4547.64	1/4/21	128.06	4419.58
AWC-02	616586	598907.911	3468565.912	4547.64	7/20/21	129.77	4417.87
AWC-02	616586	598907.911	3468565.912	4547.64	1/31/22	129.15	4418.49
AWC-02	616586	598907.911	3468565.912	4547.64	7/18/22	131.38	4416.26
AWC-02	616586	598907.911	3468565.912	4547.64	1/30/23	130.77	4416.87
AWC-02	616586	598907.911	3468565.912	4547.64	8/8/23	129.02	4418.62
AWC-02	616586	598907.911	3468565.912	4547.64	1/22/24	126.93	4420.71
AWC-02	616586	598907.911	3468565.912	4547.64	8/1/24	129.08	4418.56
AWC-02	616586	598907.911	3468565.912	4547.64	2/12/25	134.84	4412.80
AWC-02	616586	598907.911	3468565.912	4547.64	7/14/25	138.31	4409.33
AWC-03	616585	599090.322	3468659.578	4539.52	4/8/08	112	4427.52
AWC-03	616585	599090.322	3468659.578	4539.52	8/27/08	119.40	4420.12
AWC-03	616585	599090.322	3468659.578	4539.52	10/23/08	106	4433.52
AWC-03	616585	599090.322	3468659.578	4539.52	4/22/09	114	4425.52
AWC-03	616585	599090.322	3468659.578	4539.52	10/9/09	116	4423.52
AWC-03	616585	599090.322	3468659.578	4539.52	4/23/10	116	4423.52
AWC-03	616585	599090.322	3468659.578	4539.52	4/11/13	125	4414.52
AWC-03	616585	599090.322	3468659.578	4539.52	7/16/13	126	4413.52
AWC-03	616585	599090.322	3468659.578	4539.52	10/7/13	122	4417.52
AWC-03	616585	599090.322	3468659.578	4539.52	1/7/14	121	4418.60
AWC-03	616585	599090.322	3468659.578	4539.52	5/14/14	121.50	4418.02
AWC-03	616585	599090.322	3468659.578	4539.52	7/16/14	123.50	4416.02
AWC-03	616585	599090.322	3468659.578	4539.52	10/15/14	119.60	4419.92
AWC-03	616585	599090.322	3468659.578	4539.52	1/29/15	120.20	4419.32
AWC-03	616585	599090.322	3468659.578	4539.52	5/19/15	186.20	4353.32
AWC-03	616585	599090.322	3468659.578	4539.52	7/21/15	118.00	4421.52
AWC-03	616585	599090.322	3468659.578	4539.52	10/1/15	115.00	4424.52
AWC-03	616585	599090.322	3468659.578	4539.52	1/13/16	118.00	4421.52
AWC-03	616585	599090.322	3468659.578	4539.52	7/19/16	125.50	4414.02
AWC-03	616585	599090.322	3468659.578	4539.52	1/19/17	123.00	4416.52
AWC-03	616585	599090.322	3468659.578	4539.52	9/6/17	121.30	4418.22

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
AWC-03	616585	599090.322	3468659.578	4539.52	1/17/18	113.60	4425.92
AWC-03	616585	599090.322	3468659.578	4539.52	7/25/18	125.7	4413.82
AWC-03	616585	599090.322	3468659.578	4539.52	1/16/19	123.0	4416.52
AWC-03	616585	599090.322	3468659.578	4539.52	7/23/19	126.50	4413.02
AWC-03	616585	599090.322	3468659.578	4539.52	1/13/20	123.50	4416.02
AWC-03	616585	599090.322	3468659.578	4539.52	8/3/20	129.00	4410.52
AWC-03	616585	599090.322	3468659.578	4539.52	1/4/21	126.50	4413.02
AWC-03	616585	599090.322	3468659.578	4539.52	7/20/21	129.00	4410.52
AWC-03	616585	599090.322	3468659.578	4539.52	1/31/22	127.00	4412.52
AWC-03	616585	599090.322	3468659.578	4539.52	7/18/22	122.00	4417.52
AWC-03	616585	599090.322	3468659.578	4539.52	1/30/23	162.28	4377.24
AWC-03	616585	599090.322	3468659.578	4539.52	8/8/23	128.60	4410.92
AWC-03	616585	599090.322	3468659.578	4539.52	1/22/24	134.10	4405.42
AWC-03	616585	599090.322	3468659.578	4539.52	August-24	132.50	4407.02
AWC-03	616585	599090.322	3468659.578	4539.52	2/12/25	126.2	4413.32
AWC-03	616585	599090.322	3468659.578	4539.52	7/14/25	132.00	4407.52
AWC-04	616584	598949.929	3468717.084	4540.48	4/8/08	108	4432.48
AWC-04	616584	598949.929	3468717.084	4540.48	8/27/08	112.56	4427.92
AWC-04	616584	598949.929	3468717.084	4540.48	10/23/08	111.31	4429.17
AWC-04	616584	598949.929	3468717.084	4540.48	4/22/09	110	4430.48
AWC-04	616584	598949.929	3468717.084	4540.48	10/9/09	110	4430.48
AWC-04	616584	598949.929	3468717.084	4540.48	4/23/10	109	4431.48
AWC-04	616584	598949.929	3468717.084	4540.48	4/11/13	120.93	4419.55
AWC-04	616584	598949.929	3468717.084	4540.48	7/16/13	123.76	4416.72
AWC-04	616584	598949.929	3468717.084	4540.48	10/7/13	116.00	4424.48
AWC-04	616584	598949.929	3468717.084	4540.48	1/7/14	115.98	4424.50
AWC-04	616584	598949.929	3468717.084	4540.48	5/14/14	115.32	4425.16
AWC-04	616584	598949.929	3468717.084	4540.48	7/16/14	118.44	4422.04
AWC-04	616584	598949.929	3468717.084	4540.48	10/15/14	114.29	4426.19
AWC-04	616584	598949.929	3468717.084	4540.48	1/29/15	112.20	4428.28
AWC-04	616584	598949.929	3468717.084	4540.48	5/19/15	113.90	4426.58
AWC-04	616584	598949.929	3468717.084	4540.48	7/21/15	131.70	4408.78
AWC-04	616584	598949.929	3468717.084	4540.48	10/1/15	129	4411.48
AWC-04	616584	598949.929	3468717.084	4540.48	1/13/16	130.33	4410.15
AWC-04	616584	598949.929	3468717.084	4540.48	7/19/16	119.70	4420.78
AWC-04	616584	598949.929	3468717.084	4540.48	1/19/17	113.15	4427.33
AWC-04	616584	598949.929	3468717.084	4540.48	9/6/17	127.92	4412.56
AWC-04	616584	598949.929	3468717.084	4540.48	1/17/18	125.86	4414.62
AWC-04	616584	598949.929	3468717.084	4540.48	7/25/18	120.27	4420.21
AWC-04	616584	598949.929	3468717.084	4540.48	1/16/19	115.33	4425.15
AWC-04	616584	598949.929	3468717.084	4540.48	7/23/19	126.48	4414.00
AWC-04	616584	598949.929	3468717.084	4540.48	1/13/20	115.84	4424.64
AWC-04	616584	598949.929	3468717.084	4540.48	8/3/20	119.42	4421.06
AWC-04	616584	598949.929	3468717.084	4540.48	2/9/21	118.99	4421.49
AWC-04	616584	598949.929	3468717.084	4540.48	7/20/21	121.31	4419.17
AWC-04	616584	598949.929	3468717.084	4540.48	1/31/22	119.33	4421.15
AWC-04	616584	598949.929	3468717.084	4540.48	7/18/22	123.88	4416.60
AWC-04	616584	598949.929	3468717.084	4540.48	1/30/23	122.49	4417.99
AWC-04	616584	598949.929	3468717.084	4540.48	8/8/23	124.33	4416.15
AWC-04	616584	598949.929	3468717.084	4540.48	1/22/24	118.83	4421.65
AWC-04	616584	598949.929	3468717.084	4540.48	8/1/24	122.48	4418.00
AWC-04	616584	598949.929	3468717.084	4540.48	2/12/25	129.10	4411.38
AWC-04	616584	598949.929	3468717.084	4540.48	7/14/25	148.08	4392.40
AWC-05	590620	599269.904	3468541.692	4542.51	4/8/08	284	4258.51

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
AWC-05	590620	599269.904	3468541.692	4542.51	8/27/08	299.65	4242.86
AWC-05	590620	599269.904	3468541.692	4542.51	10/23/08	284	4258.51
AWC-05	590620	599269.904	3468541.692	4542.51	4/22/09	286	4256.51
AWC-05	590620	599269.904	3468541.692	4542.51	6/3/09	125	4417.51
AWC-05	590620	599269.904	3468541.692	4542.51	10/9/09	289	4253.51
AWC-05	590620	599269.904	3468541.692	4542.51	4/23/10	278	4264.51
AWC-05	590620	599269.904	3468541.692	4542.51	4/11/13	229.56	4312.95
AWC-05	590620	599269.904	3468541.692	4542.51	7/16/13	203.17	4339.34
AWC-05	590620	599269.904	3468541.692	4542.51	10/7/13	142.00	4400.51
AWC-05	590620	599269.904	3468541.692	4542.51	1/7/14	123.09	4419.42
AWC-05	590620	599269.904	3468541.692	4542.51	5/14/14	346.75	4195.76
AWC-05	590620	599269.904	3468541.692	4542.51	7/16/14	346.34	4196.17
AWC-05	590620	599269.904	3468541.692	4542.51	10/15/14	316.16	4226.35
AWC-05	590620	599269.904	3468541.692	4542.51	1/29/15	133.98	4408.53
AWC-05	590620	599269.904	3468541.692	4542.51	5/18/15	148.05	4394.46
AWC-05	590620	599269.904	3468541.692	4542.51	7/21/15	120.84	4421.67
AWC-05	590620	599269.904	3468541.692	4542.51	10/1/15	116	4426.51
AWC-05	590620	599269.904	3468541.692	4542.51	1/13/16	116.22	4426.29
AWC-05	590620	599269.904	3468541.692	4542.51	7/19/16	329.30	4213.21
AWC-05	590620	599269.904	3468541.692	4542.51	1/19/17	318.24	4224.27
AWC-05	590620	599269.904	3468541.692	4542.51	9/6/17	322.50	4220.01
AWC-05	590620	599269.904	3468541.692	4542.51	1/17/18	194.14	4348.37
AWC-05	590620	599269.904	3468541.692	4542.51	7/25/18	132.92	4409.59
AWC-05	590620	599269.904	3468541.692	4542.51	1/16/19	147.85	4394.66
AWC-05	590620	599269.904	3468541.692	4542.51	7/23/19	195.46	4347.05
AWC-05	590620	599269.904	3468541.692	4542.51	1/13/20	143.20	4399.31
AWC-05	590620	599269.904	3468541.692	4542.51	8/3/20	156.45	4386.06
AWC-05	590620	599269.904	3468541.692	4542.51	1/4/21	140.31	4402.20
AWC-05	590620	599269.904	3468541.692	4542.51	7/20/21	188.07	4354.44
AWC-05	590620	599269.904	3468541.692	4542.51	1/31/22	158.80	4383.71
AWC-05	590620	599269.904	3468541.692	4542.51	7/18/22	190.84	4351.67
AWC-05	590620	599269.904	3468541.692	4542.51	2/16/23	179.00	4363.51
AWC-05	590620	599269.904	3468541.692	4542.51	1/22/24	278.29	4264.22
AWC-05	590620	599269.904	3468541.692	4542.51	8/1/24	279.64	4262.87
AWC-05	590620	599269.904	3468541.692	4542.51	2/12/25	292.49	4250.02
AWC-05	590620	599269.904	3468541.692	4542.51	7/14/25	175.50	4367.01
BANKS 987	647987	606981.912	3469206.194	4648.18	2/27/08	208.00	4440.18
BANKS 987	647987	606981.912	3469206.194	4648.18	5/12/08	216.30	4431.88
BANKS 987	647987	606981.912	3469206.194	4648.18	7/21/08	228.95	4419.23
BANKS 987	647987	606981.912	3469206.194	4648.18	10/13/08	228.20	4419.98
BANKS 987	647987	606981.912	3469206.194	4648.18	1/21/09	206.64	4441.54
BANKS 987	647987	606981.912	3469206.194	4648.18	4/8/09	205.50	4442.68
BANKS 987	647987	606981.912	3469206.194	4648.18	7/9/09	235.68	4412.50
BANKS 987	647987	606981.912	3469206.194	4648.18	10/7/09	236.71	4411.47
BANKS 987	647987	606981.912	3469206.194	4648.18	2/25/10	216.98	4431.20
BANKS 987	647987	606981.912	3469206.194	4648.18	4/20/10	219.35	4428.83
BANKS 987	647987	606981.912	3469206.194	4648.18	7/20/10	235.60	4412.58
BANKS 987	647987	606981.912	3469206.194	4648.18	10/20/10	230.24	4417.94
BANKS 987	647987	606981.912	3469206.194	4648.18	1/17/11	215.28	4432.90
BANKS 987	647987	606981.912	3469206.194	4648.18	4/5/11	221.68	4426.50
BANKS 987	647987	606981.912	3469206.194	4648.18	7/11/11	237.39	4410.79
BANKS 987	647987	606981.912	3469206.194	4648.18	10/12/11	237.34	4410.84
BANKS 987	647987	606981.912	3469206.194	4648.18	1/31/12	228.95	4419.23
BANKS 987	647987	606981.912	3469206.194	4648.18	4/11/12	219.39	4428.79

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
BANKS 987	647987	606981.912	3469206.194	4648.18	7/6/12	232.59	4415.59
BANKS 987	647987	606981.912	3469206.194	4648.18	10/4/12	237.16	4411.02
BANKS 987	647987	606981.912	3469206.194	4648.18	1/18/13	237.81	4410.37
BANKS 987	647987	606981.912	3469206.194	4648.18	4/8/13	237.92	4410.26
BANKS 987	647987	606981.912	3469206.194	4648.18	7/9/13	238.32	4409.86
BANKS 987	647987	606981.912	3469206.194	4648.18	10/15/13	239.48	4408.70
BANKS 987	647987	606981.912	3469206.194	4648.18	1/14/14	239.53	4408.65
BANKS 987	647987	606981.912	3469206.194	4648.18	4/8/14	231.49	4416.69
BANKS 987	647987	606981.912	3469206.194	4648.18	7/8/14	228.85	4419.33
BANKS 987	647987	606981.912	3469206.194	4648.18	10/21/14	233.96	4414.22
BANKS 987	647987	606981.912	3469206.194	4648.18	1/26/15	230.87	4417.31
BANKS 987	647987	606981.912	3469206.194	4648.18	7/24/15	237.53	4410.65
BANKS 987	647987	606981.912	3469206.194	4648.18	1/11/16	237.42	4410.76
BANKS 987	647987	606981.912	3469206.194	4648.18	7/12/16	232.54	4415.64
BANKS 987	647987	606981.912	3469206.194	4648.18	1/17/17	221.90	4426.28
BANKS 987	647987	606981.912	3469206.194	4648.18	7/26/17	233.25	4414.93
BANKS 987	647987	606981.912	3469206.194	4648.18	1/15/18	237.31	4410.87
BANKS 987	647987	606981.912	3469206.194	4648.18	7/30/18	237.12	4411.06
BANKS 987	647987	606981.912	3469206.194	4648.18	1/15/19	237.21	4410.97
BANKS 987	647987	606981.912	3469206.194	4648.18	7/11/19	237.42	4410.76
BANKS 987	647987	606981.912	3469206.194	4648.18	1/14/20	237.42	4410.76
BANKS 987	647987	606981.912	3469206.194	4648.18	8/13/20	237.29	4410.89
BANKS 987	647987	606981.912	3469206.194	4648.18	1/13/21	235.12	4413.06
BANKS 987	647987	606981.912	3469206.194	4648.18	7/20/21	237.31	4410.87
BANKS 987	647987	606981.912	3469206.194	4648.18	1/28/22	237.32	4410.86
BANKS 987	647987	606981.912	3469206.194	4648.18	7/11/22	237.28	4410.90
BANKS 987	647987	606981.912	3469206.194	4648.18	1/11/23	237.30	4410.88
BANKS 987	647987	606981.912	3469206.194	4648.18	7/25/23	237.30	4410.88
BANKS 987	647987	606981.912	3469206.194	4648.18	1/17/24	238.05	4410.13
BANKS 987	647987	606981.912	3469206.194	4648.18	8/9/24	225.02	4423.16
BANKS 987	647987	606981.912	3469206.194	4648.18	1/31/25	220.51	4427.67
BANKS 987	647987	606981.912	3469206.194	4648.18	7/9/25	218.31	4429.87
BARTON 919	644919	606243.85	3469076.689	4692.36	5/12/08	113.71	4578.65
BARTON 919	644919	606243.85	3469076.689	4692.36	7/23/08	113.56	4578.80
BARTON 919	644919	606243.850	3469076.689	4692.36	10/16/08	113.20	4579.16
BARTON 919	644919	606243.850	3469076.689	4692.36	3/11/09	112.92	4579.44
BARTON 919	644919	606243.850	3469076.689	4692.36	4/10/09	112.89	4579.47
BARTON 919	644919	606243.850	3469076.689	4692.36	7/7/09	112.86	4579.50
BARTON 919	644919	606243.850	3469076.689	4692.36	7/17/13	114.18	4578.18
BARTON 919	644919	606243.850	3469076.689	4692.36	1/14/14	113.96	4578.40
BARTON 919	644919	606243.850	3469076.689	4692.36	7/17/14	113.42	4578.94
BARTON 919	644919	606243.850	3469076.689	4692.36	7/20/15	113.22	4579.14
BARTON 919	644919	606243.850	3469076.689	4692.36	1/11/16	113.33	4579.03
BARTON 919	644919	606243.850	3469076.689	4692.36	7/19/16	113.35	4579.01
BARTON 919	644919	606243.850	3469076.689	4692.36	1/17/17	113.47	4578.89
BARTON 919	644919	606243.850	3469076.689	4692.36	7/14/17	113.52	4578.84
BARTON 919	644919	606243.850	3469076.689	4692.36	1/15/18	113.88	4578.48
BARTON 919	644919	606243.850	3469076.689	4692.36	7/17/18	113.95	4578.41
BARTON 919	644919	606243.850	3469076.689	4692.36	1/15/19	114.27	4578.09
BARTON 919	644919	606243.850	3469076.689	4692.36	7/11/19	113.72	4578.64
BARTON 919	644919	606243.850	3469076.689	4692.36	1/21/20	113.72	4578.64
BF-01	539783	604169.077	3472151.593	4835.23	3/4/08	348.99	4486.24
BF-01	539783	604169.077	3472151.593	4835.23	5/23/08	348.80	4486.43
BF-01	539783	604169.077	3472151.593	4835.23	8/5/08	348.66	4486.57

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
BF-01	539783	604169.077	3472151.593	4835.23	11/5/08	348.94	4486.29
BF-01	539783	604169.077	3472151.593	4835.23	2/20/09	348.78	4486.45
BF-01	539783	604169.077	3472151.593	4835.23	5/6/09	348.73	4486.50
BF-01	539783	604169.077	3472151.593	4835.23	8/17/09	348.73	4486.50
BF-01	539783	604169.077	3472151.593	4835.23	11/4/09	348.65	4486.58
BF-01	539783	604169.077	3472151.593	4835.23	3/1/10	348.84	4486.39
BF-01	539783	604169.077	3472151.593	4835.23	4/7/10	348.70	4486.53
BF-01	539783	604169.077	3472151.593	4835.23	7/6/10	348.69	4486.54
BF-01	539783	604169.077	3472151.593	4835.23	7/13/11	348.67	4486.56
BF-01	539783	604169.077	3472151.593	4835.23	2/1/12	347.84	4487.39
BF-01	539783	604169.077	3472151.593	4835.23	8/13/12	343.95	4491.28
BIMA	577927	606001.245	3471852.804	4802.05	5/13/08	367.31	4434.74
BIMA	577927	606001.245	3471852.804	4802.05	8/18/08	370.24	4431.81
BIMA	577927	606001.245	3471852.804	4802.05	10/23/08	353.96	4448.09
BIMA	577927	606001.245	3471852.804	4802.05	1/20/09	353.07	4448.98
BIMA	577927	606001.245	3471852.804	4802.05	4/7/09	357.76	4444.29
BIMA	577927	606001.245	3471852.804	4802.05	7/8/09	365.44	4436.61
BIMA	577927	606001.245	3471852.804	4802.05	10/5/09	370.11	4431.94
BIMA	577927	606001.245	3471852.804	4802.05	4/19/10	382.25	4419.80
BIMA	577927	606001.245	3471852.804	4802.05	7/21/10	386.89	4415.16
BIMA	577927	606001.245	3471852.804	4802.05	10/18/10	387.39	4414.66
BIMA	577927	606001.245	3471852.804	4802.05	1/19/11	391.47	4410.58
BIMA	577927	606001.245	3471852.804	4802.05	4/4/11	395.22	4406.83
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	8/27/08	62.05	4743.05
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	11/11/08	60.95	4744.15
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	2/25/09	61.43	4743.67
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	4/28/09	62.01	4743.09
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	8/4/09	62.96	4742.14
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	10/27/09	63.61	4741.49
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	2/17/10	64.51	4740.59
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	4/15/10	65.05	4740.05
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	7/7/10	65.83	4739.27
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	2/10/11	67.74	4737.36
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	7/12/11	69.37	4735.73
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	2/8/12	70.33	4734.77
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	8/14/12	71.73	4733.37
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	2/14/13	72.95	4732.15
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	8/14/13	73.82	4731.28
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	2/13/14	73.79	4731.31
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	7/22/14	74.14	4730.96
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	2/4/15	73.70	4731.40
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	9/10/15	74.12	4730.98
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	3/3/16	74.30	4730.80
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	8/17/16	75.02	4730.08
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	3/1/17	75.62	4729.48
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	7/24/17	76.16	4728.94
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	2/14/18	76.97	4728.13
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	7/10/18	77.70	4727.40
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	2/5/19	78.44	4726.66
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	7/31/19	78.42	4726.68
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	2/5/20	77.75	4727.35
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	8/12/20	76.38	4728.72
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	2/3/21	76.88	4728.22
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	7/14/21	78.06	4727.04

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	1/31/22	78.97	4726.13
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	7/14/22	79.60	4725.50
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	2/28/23	80.29	4724.81
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	8/1/23	80.83	4724.27
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	3/12/24	81.73	4723.37
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	7/10/24	82.09	4723.01
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	1/27/25	82.86	4722.24
BMO-2008-1G	909474	606467.681	3471723.644	4805.10	7/10/25	83.97	4721.13
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	7/18/08	138.05	4445.92
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	11/4/08	137.95	4446.02
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	2/19/09	138.19	4445.78
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	5/11/09	138.46	4445.51
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	8/6/09	139.02	4444.95
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	10/26/09	139.60	4444.37
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	3/3/10	140.03	4443.94
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	4/8/10	140.07	4443.90
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	7/1/10	140.70	4443.27
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	2/14/11	141.41	4442.56
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	7/12/11	142.21	4441.76
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	2/23/12	143.90	4440.07
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	7/10/12	143.70	4440.27
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	2/15/13	144.53	4439.44
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	8/27/13	145.10	4438.87
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	2/11/14	145.08	4438.89
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	7/21/14	145.36	4438.61
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	2/5/15	144.79	4439.18
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	5/28/15	144.90	4439.07
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	9/14/15	145.24	4438.73
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	10/21/15	145.39	4438.58
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	3/3/16	145.18	4438.79
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	8/18/16	145.94	4438.03
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	3/1/17	146.32	4437.65
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	7/26/17	146.84	4437.13
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	2/8/18	147.16	4436.81
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	7/10/18	147.92	4436.05
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	2/5/19	148.88	4435.09
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	8/6/19	149.47	4434.50
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	2/6/20	149.99	4433.98
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	8/12/20	150.17	4433.80
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	2/3/21	151.16	4432.81
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	7/27/21	151.74	4432.23
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	1/31/22	152.30	4431.67
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	8/1/22	152.68	4431.29
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	3/1/23	152.52	4431.45
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	8/29/23	152.97	4431.00
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	3/13/24	154.02	4429.95
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	7/31/24	154.03	4429.94
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	2/18/25	155.74	4428.23
BMO-2008-3B	909147	602012.923	3467919.582	4583.97	8/6/25	156.11	4427.86
BMO-2008-4B	910096	601099.405	3468383.430	4573.17	12/11/08	130.77	4442.40
BMO-2008-4B	910096	601099.405	3468383.430	4573.17	2/18/09	130.58	4442.59
BMO-2008-4B	910096	601099.405	3468383.430	4573.17	4/30/09	131.24	4441.93
BMO-2008-4B	910096	601099.405	3468383.430	4573.17	8/6/09	131.96	4441.21
BMO-2008-4B	910096	601099.405	3468383.430	4573.17	10/27/09	132.04	4441.13

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Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	2/24/10	131.82	4441.35
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	4/16/10	132.65	4440.52
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	7/2/10	133.20	4439.97
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	2/15/11	133.78	4439.39
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	7/22/11	134.80	4438.37
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	2/23/12	134.64	4438.53
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	9/17/12	136.15	4437.02
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	1/15/13	136.13	4437.04
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	4/15/13	136.78	4436.39
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	9/18/13	137.04	4436.13
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	1/9/14	136.96	4436.21
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	7/18/14	137.49	4435.68
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	1/12/16	136.54	4436.63
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	9/30/17	138.68	4434.49
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	1/18/18	138.71	4434.46
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	7/26/18	139.42	4433.75
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	1/14/19	139.96	4433.21
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	7/22/19	140.40	4432.77
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	1/22/20	140.66	4432.51
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	8/11/20	140.89	4432.28
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	7/22/21	142.25	4430.92
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	2/1/22	142.71	4430.46
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	8/1/22	143.09	4430.08
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	1/12/23	143.45	4429.72
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	7/20/23	143.49	4429.68
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	1/15/24	144.43	4428.74
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	7/26/24	145.18	4427.99
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	8/15/24	145.02	4428.15
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	9/11/24	145.30	4427.87
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	1/28/25	145.93	4427.24
BMO-2008-4B	910096	601099.405	3468383.43	4573.17	7/9/25	146.58	4426.59
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	9/30/08	145.10	4440.00
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	2/18/09	144.35	4440.75
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	4/27/09	144.78	4440.32
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	8/4/09	145.36	4439.74
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	10/29/09	145.88	4439.22
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	2/15/10	145.42	4439.68
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	4/15/10	145.80	4439.30
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	7/7/10	146.59	4438.51
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	10/5/10	147.00	4438.10
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	2/14/11	147.56	4437.54
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	5/12/11	148.04	4437.06
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	7/13/11	148.31	4436.79
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	12/7/11	148.45	4436.65
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	2/3/12	148.47	4436.63
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	4/18/12	149.02	4436.08
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	7/10/12	148.65	4436.45
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	10/16/12	149.91	4435.19
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	2/7/13	149.94	4435.16
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	2/12/13	150.06	4435.04
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	5/15/13	150.55	4434.55
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	8/20/13	150.82	4434.28
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	11/1/13	150.77	4434.33
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	2/11/14	150.33	4434.77

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	5/7/14	150.83	4434.27
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	8/19/14	151.13	4433.97
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	11/13/14	150.78	4434.32
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	2/3/15	150.10	4435.00
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	5/28/15	150.47	4434.63
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	9/8/15	150.38	4434.72
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	10/21/15	150.23	4434.87
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	3/14/16	149.76	4435.34
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	9/14/16	151.31	4433.79
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	3/1/17	151.56	4433.54
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	8/1/17	151.95	4433.15
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	2/8/18	151.97	4433.13
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	3/8/18	152.04	4433.06
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	4/11/18	152.27	4432.83
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	5/29/18	152.32	4432.78
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	6/19/18	152.74	4432.36
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	7/25/18	152.96	4432.14
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	2/4/19	153.41	4431.69
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	8/7/19	153.76	4431.34
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	2/6/20	153.99	4431.11
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	8/11/20	154.37	4430.73
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	2/2/21	155.00	4430.10
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	7/12/21	155.61	4429.49
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	1/31/22	155.98	4429.12
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	7/11/22	156.37	4428.73
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	2/27/23	156.52	4428.58
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	7/31/23	157.14	4427.96
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	3/13/24	157.95	4427.15
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	7/15/24	158.57	4426.53
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	2/17/25	159.25	4425.85
BMO-2008-5B	909653	600438.159	3468994.715	4585.10	8/4/25	159.98	4425.12
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	10/2/08	146.65	4438.37
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	2/18/09	145.97	4439.05
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	4/27/09	146.46	4438.56
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	8/4/09	147.13	4437.89
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	10/29/09	147.68	4437.34
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	2/15/10	147.07	4437.95
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	4/16/10	147.34	4437.68
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	7/7/10	148.28	4436.74
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	10/5/10	148.68	4436.34
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	2/14/11	148.74	4436.28
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	5/12/11	149.66	4435.36
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	7/12/11	150.20	4434.82
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	12/7/11	150.30	4434.72
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	2/3/12	150.05	4434.97
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	4/18/12	150.70	4434.32
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	7/10/12	151.65	4433.37
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	10/16/12	151.77	4433.25
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	2/12/13	152.00	4433.02
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	5/15/13	152.42	4432.60
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	8/20/13	152.76	4432.26
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	11/1/13	152.53	4432.49
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	2/11/14	151.78	4433.24
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	5/7/14	152.26	4432.76

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	8/19/14	152.78	4432.24
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	11/13/14	152.27	4432.75
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	2/3/15	151.61	4433.41
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	5/19/15	151.58	4433.44
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	9/8/15	151.63	4433.39
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	3/14/16	150.87	4434.15
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	9/14/16	152.68	4432.34
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	3/1/17	152.84	4432.18
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	8/1/17	153.27	4431.75
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	2/8/18	153.03	4431.99
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	7/25/18	154.19	4430.83
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	2/4/19	154.54	4430.48
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	8/7/19	155.00	4430.02
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	2/6/20	155.20	4429.82
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	8/11/20	155.85	4429.17
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	2/2/21	156.20	4428.82
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	7/12/21	157.05	4427.97
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	1/31/22	157.21	4427.81
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	7/11/22	157.72	4427.30
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	2/27/23	157.67	4427.35
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	7/31/23	158.48	4426.54
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	3/13/24	159.32	4425.70
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	7/15/24	160.01	4425.01
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	2/17/25	160.46	4424.56
BMO-2008-5M	909552	600445.071	3468994.282	4585.02	8/4/25	161.33	4423.69
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	7/16/08	190.13	4437.31
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	11/4/08	190.23	4437.21
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	2/19/09	189.71	4437.73
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	4/27/09	189.99	4437.45
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	8/4/09	190.80	4436.64
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	10/26/09	191.04	4436.40
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	2/15/10	190.82	4436.62
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	4/15/10	190.75	4436.69
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	7/1/10	191.43	4436.01
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	10/5/10	192.50	4434.94
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	2/14/11	192.19	4435.25
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	5/12/11	192.70	4434.74
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	7/12/11	193.30	4434.14
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	12/7/11	193.85	4433.59
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	2/3/12	193.60	4433.84
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	4/18/12	193.90	4433.54
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	7/10/12	194.75	4432.69
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	10/16/12	195.71	4431.73
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	2/12/13	195.42	4432.02
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	5/15/13	195.91	4431.53
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	8/20/13	196.23	4431.21
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	11/1/13	195.77	4431.67
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	2/11/14	195.24	4432.20
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	5/7/14	195.47	4431.97
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	8/19/14	196.36	4431.08
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	11/13/14	195.74	4431.70
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	2/3/15	195.12	4432.32
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	5/19/15	195.00	4432.44
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	9/8/15	195.48	4431.96

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Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	10/21/15	195.37	4432.07
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	3/14/16	195.00	4432.44
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	9/14/16	196.36	4431.08
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	3/1/17	196.33	4431.11
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	7/10/17	196.88	4430.56
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	2/8/18	197	4430.44
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	7/10/18	197.57	4429.87
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	2/4/19	197.89	4429.55
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	8/6/19	198.57	4428.87
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	2/3/20	198.70	4428.74
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	7/22/20	199.04	4428.40
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	2/2/21	199.74	4427.70
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	7/12/21	200.29	4427.15
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	1/31/22	200.78	4426.66
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	7/11/22	201.19	4426.25
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	2/27/23	201.24	4426.20
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	7/31/23	201.96	4425.48
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	3/13/24	202.72	4424.72
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	7/15/24	203.30	4424.14
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	2/17/25	203.93	4423.51
BMO-2008-6B	909146	600366.523	3469820.644	4627.44	8/4/25	204.67	4422.77
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	7/10/08	191.63	4435.27
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	11/4/08	190.25	4436.65
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	2/20/09	190.70	4436.20
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	4/28/09	190.98	4435.92
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	8/4/09	191.77	4435.13
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	10/26/09	192.14	4434.76
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	2/15/10	191.78	4435.12
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	4/15/10	191.64	4435.26
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	7/1/10	192.53	4434.37
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	10/5/10	192.96	4433.94
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	2/14/11	193.14	4433.76
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	5/12/11	193.68	4433.22
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	7/12/11	194.47	4432.43
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	12/7/11	194.92	4431.98
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	2/3/12	194.65	4432.25
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	4/18/12	195.00	4431.90
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	7/10/12	196.10	4430.80
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	10/16/12	196.53	4430.37
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	2/12/13	196.45	4430.45
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	5/15/13	196.90	4430.00
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	8/20/13	197.43	4429.47
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	11/1/13	196.53	4430.37
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	2/11/14	196.18	4430.72
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	5/7/14	196.33	4430.57
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	8/19/14	197.40	4429.50
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	11/13/14	196.32	4430.58
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	2/3/15	195.90	4431.00
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	5/19/15	195.64	4431.26
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	9/8/15	196.32	4430.58
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	3/14/16	195.87	4431.03
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	9/14/16	197.37	4429.53
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	3/1/17	197.24	4429.66
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	7/10/17	197.92	4428.98

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	2/8/18	197.96	4428.94
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	7/10/18	198.63	4428.27
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	2/4/19	198.78	4428.12
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	8/6/19	199.61	4427.29
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	2/3/20	199.52	4427.38
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	7/22/20	200.02	4426.88
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	2/2/21	200.75	4426.15
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	7/12/21	201.43	4425.47
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	1/31/22	201.70	4425.20
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	7/11/22	200.38	4426.52
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	2/27/23	202.15	4424.75
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	7/31/23	203.14	4423.76
BMO-2008-6M	909019	600367.943	3469813.885	4626.90	3/13/24	203.98	4422.92
BMO-2008-6M	909019	600367.943	3469813.885	4646.90	7/15/24	204.63	4442.27
BMO-2008-6M	909019	600367.943	3469813.885	4646.90	2/17/25	205.27	4441.63
BMO-2008-6M	909019	600367.943	3469813.885	4646.90	8/4/25	206.22	4440.68
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	7/14/08	238.31	4450.02
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	11/6/08	239.69	4448.64
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	2/18/09	238.90	4449.43
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	5/11/09	239.03	4449.30
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	8/6/09	239.17	4449.16
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	10/27/09	239.55	4448.78
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	2/17/10	239.98	4448.35
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	4/15/10	240.13	4448.20
BMO-2008-7M	908794	603099.165	3470029.280	4688.33	7/6/10	240.28	4448.05
BMO-2008-7M	908794	603099.165	3470029.280	4688.33	2/14/11	241.26	4447.07
BMO-2008-7M	908794	603099.165	3470029.280	4688.33	7/15/11	241.81	4446.52
BMO-2008-7M	908794	603099.165	3470029.280	4688.33	1/30/12	242.44	4445.89
BMO-2008-7M	908794	603099.165	3470029.280	4688.33	7/11/12	243.0	4445.33
BMO-2008-7M	908794	603099.165	3470029.280	4688.33	2/15/13	243.8	4444.53
BMO-2008-7M	908794	603099.165	3470029.280	4688.33	8/28/13	244.32	4444.01
BMO-2008-7M	908794	603099.165	3470029.280	4688.33	2/13/14	244.31	4444.02
BMO-2008-7M	908794	603099.165	3470029.280	4688.33	7/22/14	244.66	4443.67
BMO-2008-7M	908794	603099.165	3470029.280	4688.33	2/5/15	243.91	4444.42
BMO-2008-7M	908794	603099.165	3470029.280	4688.33	9/14/15	244.59	4443.74
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	3/16/16	244.91	4443.42
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	8/18/16	245.23	4443.10
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	3/7/17	245.44	4442.89
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	7/10/17	245.73	4442.60
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	2/1/18	245.82	4442.51
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	7/23/18	246.18	4442.15
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	2/11/19	246.46	4441.87
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	8/8/19	246.80	4441.53
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	2/18/20	247.28	4441.05
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	7/23/20	247.68	4440.65
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	3/17/21	248.40	4439.93
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	8/2/21	248.81	4439.52
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	3/10/22	249.53	4438.80
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	7/18/22	249.92	4438.41
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	3/13/23	250.58	4437.75
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	9/5/23	251.0	4437.33
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	3/19/24	251.47	4436.86
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	7/29/24	252.03	4436.30
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	2/26/25	252.49	4435.84

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
BMO-2008-7M	908794	603099.165	3470029.28	4688.33	8/25/25	253.08	4435.25
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	12/5/08	297.94	4455.31
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	2/19/09	297.63	4455.62
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	5/5/09	297.37	4455.88
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	8/10/09	297.53	4455.72
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	11/9/09	297.85	4455.40
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	3/3/10	298.37	4454.88
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	4/16/10	298.46	4454.79
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	7/1/10	298.64	4454.61
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	2/11/11	299.56	4453.69
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	5/13/11	299.78	4453.47
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	7/15/11	300.00	4453.25
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	1/30/12	300.52	4452.73
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	7/12/12	301.15	4452.10
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	2/13/13	302.05	4451.20
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	8/12/13	302.48	4450.77
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	7/24/14	301.86	4451.39
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	2/5/15	299.56	4453.69
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	9/15/15	300.14	4453.11
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	3/16/16	300.76	4452.49
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	9/15/16	301.26	4451.99
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	3/7/17	301.61	4451.64
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	7/10/17	301.89	4451.36
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	2/1/18	301.83	4451.42
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	7/23/18	302.83	4450.42
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	2/11/19	302.84	4450.41
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	8/8/19	303.42	4449.83
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	2/18/20	304.19	4449.06
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	7/23/20	304.74	4448.51
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	3/17/21	305.47	4447.78
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	8/2/21	306.10	4447.15
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	3/10/22	307.15	4446.10
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	7/18/22	307.74	4445.51
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	3/13/23	308.44	4444.81
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	9/6/23	309.06	4444.19
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	3/19/24	309.67	4443.58
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	9/9/24	310.10	4443.15
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	2/26/25	310.80	4442.45
BMO-2008-8B	910097	604171.347	3471141.719	4753.25	8/25/25	311.37	4441.88
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	12/9/08	299.79	4452.66
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	2/19/09	298.32	4454.13
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	5/5/09	298.27	4454.18
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	8/10/09	298.57	4453.88
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	11/5/09	298.81	4453.64
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	3/3/10	299.18	4453.27
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	4/16/10	299.42	4453.03
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	7/1/10	299.70	4452.75
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	1/24/11	300.46	4451.99
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	5/13/11	301.00	4451.45
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	7/15/11	300.96	4451.49
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	1/30/12	301.60	4450.85
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	7/12/12	302.45	4450.00
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	2/14/13	303.07	4449.38
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	8/12/13	303.60	4448.85

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Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	2/19/14	303.11	4449.34
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	7/24/14	303.48	4448.97
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	2/5/15	301.98	4450.47
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	9/15/15	302.46	4449.99
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	3/16/16	303.19	4449.26
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	9/15/16	303.43	4449.02
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	3/7/17	303.85	4448.60
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	7/10/17	304.09	4448.36
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	2/1/18	303.94	4448.51
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	7/23/18	304.20	4448.25
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	2/11/19	304.09	4448.36
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	8/8/19	304.8	4447.65
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	2/18/20	304.90	4447.55
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	7/23/20	305.42	4447.03
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	3/17/21	306.51	4445.94
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	8/2/21	302.32	4450.13
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	3/10/22	302.88	4449.57
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	7/18/22	303.76	4448.69
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	3/13/23	304.53	4447.92
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	9/6/23	305.05	4447.40
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	3/19/24	305.82	4446.63
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	9/18/24	306.73	4445.72
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	2/26/25	307.22	4445.23
BMO-2008-8M	909711	604167.912	3471127.902	4752.45	8/21/25	307.96	4444.49
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	8/8/08	287.17	4475.44
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	11/5/08	287.65	4474.96
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	2/26/09	285.65	4476.96
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	5/12/09	285.28	4477.33
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	8/17/09	286.09	4476.52
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	11/3/09	286.55	4476.06
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	3/4/10	287.45	4475.16
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	4/6/10	287.81	4474.80
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	7/1/10	288.26	4474.35
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	2/10/11	289.77	4472.84
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	5/13/11	290.47	4472.14
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	7/15/11	290.95	4471.66
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	2/1/12	293.44	4469.17
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	7/12/12	294.65	4467.96
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	2/13/13	296.67	4465.94
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	8/12/13	297.63	4464.98
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	2/18/14	293.68	4468.93
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	7/24/14	293.53	4469.08
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	2/5/15	286.01	4476.60
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	9/14/15	286.34	4476.27
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	3/16/16	287.22	4475.39
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	9/15/16	289.35	4473.26
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	3/7/17	289.83	4472.78
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	7/11/17	291.03	4471.58
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	2/1/18	289.66	4472.95
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	7/26/18	291.78	4470.83
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	2/11/19	291.42	4471.19
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	8/12/19	292.67	4469.94
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	2/20/20	290.43	4472.18
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	7/20/20	288.57	4474.04

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	3/17/21	291.21	4471.40
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	8/18/21	293.59	4469.02
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	3/10/22	294.78	4467.83
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	7/18/22	296.39	4466.22
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	3/13/23	297.45	4465.16
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	8/14/23	298.64	4463.97
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	3/19/24	300.29	4462.32
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	7/29/24	301.46	4461.15
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	2/26/25	302.79	4459.82
BMO-2008-9M	909255	604668.669	3471121.675	4762.61	7/10/25	304.10	4458.51
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	8/20/08	521.75	4270.46
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	11/5/08	520.50	4271.71
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	2/25/09	516.72	4275.49
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	5/12/09	514.68	4277.53
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	8/11/09	513.23	4278.98
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	11/2/09	509.43	4282.78
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	3/4/10	510.88	4281.33
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	4/8/10	506.31	4285.90
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	7/2/10	511.80	4280.41
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	7/13/11	512.16	4280.05
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	2/2/12	511.34	4280.87
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	7/13/12	510.90	4281.31
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	2/18/13	509.91	4282.30
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	8/13/13	509.32	4282.89
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	8/7/14	507.21	4285.00
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	2/10/15	463.22	4328.99
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	9/14/15	439.93	4352.28
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	3/16/16	364.33	4427.88
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	8/17/16	337.26	4454.95
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	3/7/17	332.86	4459.35
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	7/11/17	337.89	4454.32
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	2/1/18	337.84	4454.37
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	7/26/18	333.28	4458.93
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	1/28/19	326.80	4465.41
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	8/1/19	316.92	4475.29
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	2/17/20	324.94	4467.27
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	7/20/20	298.10	4494.11
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	3/16/21	260.36	4531.85
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	8/17/21	262.84	4529.37
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	3/9/22	284.78	4507.43
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	9/7/22	291.06	4501.15
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	3/13/23	301.37	4490.84
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	8/15/23	313.55	4478.66
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	3/19/24	335.82	4456.39
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	8/28/24	350.11	4442.10
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	2/24/25	362.12	4430.09
BMO-2008-10GL	909435	605264.072	3471702.043	4792.21	8/5/25	364.37	4427.84
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	8/4/08	299.28	4494.17
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	11/5/08	295.89	4497.56
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	2/25/09	289.84	4503.61
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	5/6/09	289.35	4504.10
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	8/11/09	289.09	4504.36
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	11/2/09	289.77	4503.68
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	3/10/10	289.58	4503.87

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	4/7/10	289.5	4503.95
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	7/6/10	288.93	4504.52
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	7/13/11	301.02	4492.43
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	2/1/12	326.51	4466.94
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	7/13/12	328.7	4464.75
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	8/19/13	283.97	4509.48
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	2/10/15	207.58	4585.87
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	9/14/15	200.36	4593.09
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	3/16/16	195.53	4597.92
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	8/17/16	201.47	4591.98
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	3/7/17	210.83	4582.62
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	8/9/17	201.50	4591.95
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	2/1/18	201.09	4592.36
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	7/26/18	200.53	4592.92
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	1/28/19	201.56	4591.89
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	8/1/19	200.43	4593.02
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	2/17/20	201.74	4591.71
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	7/20/20	196.63	4596.82
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	3/16/21	192.68	4600.77
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	8/17/21	197.91	4595.54
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	3/9/22	200.31	4593.14
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	9/7/22	206.21	4587.24
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	3/13/23	217.39	4576.06
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	8/15/23	216.19	4577.26
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	3/19/24	224.91	4568.54
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	8/28/24	224.06	4569.39
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	2/24/25	229.12	4564.33
BMO-2008-10GU	909272	605267.551	3471731.866	4793.45	8/5/25	232.60	4560.85
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	8/22/08	577.76	4266.91
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	11/12/08	576.80	4267.87
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	2/26/09	575.91	4268.76
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	4/8/09	575.46	4269.21
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	8/12/09	574.84	4269.83
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	11/9/09	573.41	4271.26
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	3/1/10	573.68	4270.99
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	4/9/10	573.56	4271.11
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	7/1/10	572.97	4271.70
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	2/10/11	571.61	4273.06
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	7/22/11	571.20	4273.47
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	1/31/12	569.83	4274.84
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	8/14/12	569.70	4274.97
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	2/13/13	568.75	4275.92
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	8/27/13	566.50	4278.17
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	2/19/14	564.68	4279.99
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	8/14/14	564.24	4280.43
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	2/5/15	560.60	4284.07
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	9/14/15	557.84	4286.83
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	3/15/16	556.04	4288.63
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	8/17/16	554.94	4289.73
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	3/2/17	554.27	4290.40
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	7/11/17	554.02	4290.65
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	2/12/18	552.11	4292.56
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	7/12/18	552.20	4292.47
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	1/28/19	550.72	4293.95

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	8/6/19	550.89	4293.78
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	2/4/20	548.35	4296.32
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	8/13/20	546.77	4297.90
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	2/3/21	546.25	4298.42
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	7/22/21	546.07	4298.60
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	2/1/22	543.17	4301.50
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	8/1/22	543.22	4301.45
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	3/6/23	539.98	4304.69
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	8/10/23	540.15	4304.52
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	3/12/24	540.17	4304.50
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	7/17/24	540.60	4304.07
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	1/27/25	540.86	4303.81
BMO-2008-11G	909434	603800.995	3472626.482	4844.67	8/7/25	541.40	4303.27
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	10/3/08	206.42	4442.79
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	2/17/09	206.11	4443.10
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	5/6/09	206.32	4442.89
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	8/5/09	206.79	4442.42
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	10/28/09	207.08	4442.13
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	2/16/10	207.26	4441.95
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	4/14/10	207.27	4441.94
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	7/6/10	207.68	4441.53
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	2/10/11	208.51	4440.70
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	5/13/11	208.95	4440.26
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	7/15/11	209.36	4439.85
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	2/9/12	209.78	4439.43
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	7/11/12	210.60	4438.61
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	2/27/13	211.40	4437.81
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	9/4/13	212.15	4437.06
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	8/19/14	212.68	4436.53
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	2/4/15	212.28	4436.93
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	9/15/15	212.37	4436.84
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	3/16/16	211.95	4437.26
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	9/21/16	212.84	4436.37
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	3/7/17	213.15	4436.06
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	8/2/17	213.57	4435.64
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	2/1/18	213.6	4435.61
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	8/6/18	214.22	4434.99
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	2/11/19	214.79	4434.42
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	8/20/19	215.16	4434.05
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	2/20/20	215.46	4433.75
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	8/5/20	215.70	4433.51
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	3/15/21	216.27	4432.94
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	8/16/21	216.85	4432.36
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	3/9/22	217.35	4431.86
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	9/6/22	217.94	4431.27
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	3/13/23	218.11	4431.10
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	9/11/23	218.64	4430.57
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	3/19/24	219.18	4430.03
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	9/9/24	219.85	4429.36
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	2/26/25	220.40	4428.81
BMO-2008-13B	909551	601657.612	3470076.358	4649.21	8/19/25	220.38	4428.83
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	12/3/08	206.00	4441.15
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	2/17/09	208.74	4438.41
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	4/29/09	208.53	4438.62

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Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	8/5/09	208.85	4438.30
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	10/28/09	208.91	4438.24
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	2/16/10	209.16	4437.99
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	4/13/10	209.20	4437.95
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	7/2/10	209.30	4437.85
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	2/10/11	210.36	4436.79
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	5/13/11	210.50	4436.65
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	7/15/11	210.67	4436.48
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	2/6/12	210.90	4436.25
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	8/13/12	211.42	4435.73
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	2/15/13	212.13	4435.02
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	9/6/13	212.52	4434.63
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	8/20/14	213.14	4434.01
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	2/4/15	212.97	4434.18
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	9/15/15	212.91	4434.24
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	3/16/16	212.76	4434.39
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	9/21/16	213.22	4433.93
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	3/7/17	213.6	4433.55
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	8/15/17	213.71	4433.44
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	2/1/18	214.09	4433.06
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	8/6/18	214.37	4432.78
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	2/11/19	214.57	4432.58
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	8/20/19	215.1	4432.05
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	2/20/20	215.46	4431.69
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	8/5/20	215.73	4431.42
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	3/15/21	216.14	4431.01
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	8/16/21	216.39	4430.76
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	3/9/22	216.96	4430.19
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	9/6/22	217.54	4429.61
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	3/13/23	217.85	4429.30
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	9/11/23	218.21	4428.94
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	3/19/24	218.68	4428.47
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	9/9/24	219.22	4427.93
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	2/26/25	219.58	4427.57
BMO-2008-13M	909760	601650.495	3470040.455	4647.15	8/19/25	220.17	4426.98
BMO-2010-1M	219957	605581.263	3469935.75	4718.55	9/7/10	224.13	4494.42
BMO-2010-1M	219957	605581.263	3469935.75	4718.55	11/10/10	222.97	4495.58
BMO-2010-1M	219957	605581.263	3469935.75	4718.55	2/11/11	222.01	4496.54
BMO-2010-1M	219957	605581.263	3469935.75	4718.55	5/12/11	223.08	4495.47
BMO-2010-1M	219957	605581.263	3469935.75	4718.55	8/31/11	224.38	4494.17
BMO-2010-1M	219957	605581.263	3469935.75	4718.55	12/13/11	222.86	4495.69
BMO-2010-1M	219957	605581.263	3469935.75	4718.55	2/8/12	222.97	4495.58
BMO-2010-1M	219957	605581.263	3469935.75	4718.55	4/24/12	223.87	4494.68
BMO-2010-1M	219957	605581.263	3469935.75	4718.55	7/9/12	225.05	4493.50
BMO-2010-1M	219957	605581.263	3469935.75	4718.55	10/17/12	225.63	4492.92
BMO-2010-1M	219957	605581.263	3469935.75	4718.55	2/13/13	226.85	4491.70
BMO-2010-1M	219957	605581.263	3469935.75	4718.55	5/8/13	227.45	4491.10
BMO-2010-1M	219957	605581.263	3469935.75	4718.55	8/15/13	228.10	4490.45
BMO-2010-1M	219957	605581.263	3469935.750	4718.55	11/4/13	224.41	4494.14
BMO-2010-1M	219957	605581.263	3469935.750	4718.55	2/12/14	222.90	4495.65
BMO-2010-1M	219957	605581.263	3469935.750	4718.55	6/2/14	222.80	4495.75
BMO-2010-1M	219957	605581.263	3469935.750	4718.55	8/4/14	223.14	4495.41
BMO-2010-1M	219957	605581.263	3469935.750	4718.55	11/12/14	219.47	4499.08
BMO-2010-1M	219957	605581.263	3469935.750	4718.55	2/5/15	214.19	4504.36

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
BMO-2010-1M	219957	605581.263	3469935.750	4718.55	9/9/15	211.68	4506.87
BMO-2010-1M	219957	605581.263	3469935.750	4718.55	3/16/16	210.91	4507.64
BMO-2010-1M	219957	605581.263	3469935.750	4718.55	8/25/16	212.23	4506.32
BMO-2010-1M	219957	605581.263	3469935.750	4718.55	3/7/17	212.69	4505.86
BMO-2010-1M	219957	605581.263	3469935.750	4718.55	7/12/17	214.02	4504.53
BMO-2010-1M	219957	605581.263	3469935.750	4718.55	2/1/18	213.31	4505.24
BMO-2010-1M	219957	605581.263	3469935.750	4718.55	8/7/18	214.94	4503.61
BMO-2010-1M	219957	605581.263	3469935.750	4718.55	2/11/19	213.87	4504.68
BMO-2010-1M	219957	605581.263	3469935.750	4718.55	7/30/19	214.78	4503.77
BMO-2010-1M	219957	605581.263	3469935.750	4718.55	2/5/20	213.19	4505.36
BMO-2010-1M	219957	605581.263	3469935.750	4718.55	7/20/20	211.73	4506.82
BMO-2010-1M	219957	605581.263	3469935.750	4718.55	2/2/21	212.26	4506.29
BMO-2010-1M	219957	605581.263	3469935.750	4718.55	7/15/21	214.84	4503.71
BMO-2010-1M	219957	605581.263	3469935.750	4718.55	3/10/22	215.92	4502.63
BMO-2010-1M	219957	605581.263	3469935.750	4718.55	7/26/22	218.04	4500.51
BMO-2010-1M	219957	605581.263	3469935.750	4718.55	3/13/23	219.33	4499.22
BMO-2010-1M	219957	605581.263	3469935.750	4718.55	8/7/23	221.05	4497.50
BMO-2010-1M	219957	605581.263	3469935.750	4718.55	3/19/24	223.62	4494.93
BMO-2010-1M	219957	605581.263	3469935.750	4718.55	7/11/24	225.02	4493.53
BMO-2010-1M	219957	605581.263	3469935.75	4718.55	2/27/25	227.80	4490.75
BMO-2010-1M	219957	605581.263	3469935.75	4718.55	7/14/25	229.12	4489.43
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	9/7/10	264.13	4482.03
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	11/11/10	263.94	4482.22
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	2/10/11	264.13	4482.03
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	5/13/11	266.97	4479.19
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	7/14/11	268.05	4478.11
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	12/13/11	270.98	4475.18
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	1/30/12	271.50	4474.66
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	4/18/12	272.31	4473.85
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	7/9/12	273.20	4472.96
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	10/17/12	274.27	4471.89
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	2/13/13	275.52	4470.64
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	5/8/13	276.05	4470.11
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	8/15/13	278.76	4467.40
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	11/4/13	273.26	4472.90
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	2/12/14	271.44	4474.72
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	5/8/14	270.65	4475.51
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	8/14/14	270.78	4475.38
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	11/12/14	263.19	4482.97
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	2/5/15	259.84	4486.32
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	9/14/15	260.92	4485.24
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	3/16/16	261.81	4484.35
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	9/13/16	264.66	4481.50
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	3/7/17	265.47	4480.69
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	7/12/17	267.14	4479.02
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	2/1/18	266.24	4479.92
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	8/7/18	268.92	4477.24
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	2/11/19	268.25	4477.91
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	7/30/19	269.21	4476.95
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	2/20/20	265.12	4481.04
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	7/21/20	262.38	4483.78
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	2/2/21	265.71	4480.45
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	7/15/21	268.91	4477.25
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	3/10/22	271.46	4474.70

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	7/26/22	273.45	4472.71
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	3/13/23	274.66	4471.50
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	8/7/23	276.34	4469.82
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	3/19/24	278.05	4468.11
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	7/11/24	279.18	4466.98
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	2/27/25	281.15	4465.01
BMO-2010-2M	219958	605685.549	3470564.646	4746.16	7/17/25	282.48	4463.68
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	7/28/10	115.38	4435.21
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	11/10/10	115.80	4434.79
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	1/20/11	115.46	4435.13
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	4/7/11	116.11	4434.48
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	7/13/11	117.30	4433.29
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	10/13/11	117.72	4432.87
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	2/2/12	117.18	4433.41
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	4/24/12	117.92	4432.67
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	7/5/12	118.84	4431.75
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	10/18/12	119.13	4431.46
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	1/16/13	118.89	4431.70
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	4/16/13	119.36	4431.23
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	7/23/13	120.02	4430.57
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	10/8/13	119.63	4430.96
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	1/15/14	118.96	4431.63
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	5/13/14	119.40	4431.19
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	7/15/14	120.06	4430.53
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	10/14/14	119.16	4431.43
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	1/28/15	118.46	4432.13
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	5/18/15	118.49	4432.10
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	7/22/15	118.81	4431.78
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	10/6/15	118.06	4432.53
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	2/2/16	117.39	4433.20
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	7/12/16	119.21	4431.38
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	1/18/17	119.89	4430.70
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	7/11/17	120.51	4430.08
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	1/8/18	119.84	4430.75
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	7/10/18	121.45	4429.14
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	1/8/19	121.92	4428.67
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	7/16/19	122.49	4428.10
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	1/6/20	122.64	4427.95
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	8/4/20	123.25	4427.34
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	1/5/21	123.76	4426.83
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	7/13/21	124.56	4426.03
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	1/24/22	124.89	4425.70
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	7/19/22	125.32	4425.27
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	1/31/23	125.11	4425.48
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	8/1/23	126.22	4424.37
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	1/31/24	127.00	4423.59
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	8/6/24	128.84	4421.75
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	1/30/25	128.16	4422.43
BMO-2010-3B	219970	599977.962	3468347.363	4550.59	7/15/25	129.05	4421.54
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	7/30/10	118.63	4431.90
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	11/10/10	118.75	4431.78
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	1/20/11	118.32	4432.21
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	4/7/11	119.09	4431.44
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	8/25/11	120.74	4429.79

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Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	10/13/11	120.67	4429.86
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	2/2/12	119.91	4430.62
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	4/24/12	120.93	4429.60
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	7/5/12	122.05	4428.48
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	10/18/12	122.06	4428.47
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	1/16/13	121.86	4428.67
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	4/16/13	122.26	4428.27
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	7/23/13	122.97	4427.56
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	10/8/13	121.91	4428.62
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	1/15/14	120.91	4429.62
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	5/13/14	121.90	4428.63
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	7/15/14	121.92	4428.61
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	10/14/14	121.87	4428.66
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	1/28/15	120.63	4429.90
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	5/18/15	120.48	4430.05
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	7/22/15	120.42	4430.11
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	10/6/15	119.44	4431.09
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	2/2/16	118.65	4431.88
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	7/12/16	121.56	4428.97
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	1/18/17	122.27	4428.26
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	7/11/17	122.85	4427.68
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	1/8/18	121.24	4429.29
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	7/10/18	124.08	4426.45
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	1/8/19	123.97	4426.56
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	7/16/19	124.81	4425.72
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	1/6/20	124.82	4425.71
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	8/4/20	125.96	4424.57
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	1/5/21	125.98	4424.55
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	7/13/21	127.39	4423.14
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	1/24/22	127.02	4423.51
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	7/19/22	127.97	4422.56
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	1/31/23	126.97	4423.56
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	8/1/23	129.36	4421.17
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	1/31/24	129.63	4420.90
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	8/6/24	131.07	4419.46
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	1/30/25	130.36	4420.17
BMO-2010-3M	219969	599970.801	3468353.543	4550.53	7/15/25	131.87	4418.66
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	11/13/12	231.90	4487.86
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	2/27/13	233.20	4486.56
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	5/8/13	233.97	4485.79
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	8/14/13	233.96	4485.80
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	11/1/13	230.44	4489.32
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	2/13/14	229.85	4489.91
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	5/8/14	229.89	4489.87
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	7/22/14	229.94	4489.82
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	11/13/14	225.37	4494.39
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	2/4/15	222.57	4497.19
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	9/10/15	221.60	4498.16
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	3/3/16	214.86	4504.90
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	8/17/16	215.57	4504.19
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	3/2/17	216.10	4503.66
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	7/24/17	217.59	4502.17
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	8/21/17	217.55	4502.21
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	2/13/18	217.58	4502.18

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	7/16/18	219.60	4500.16
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	1/29/19	218.63	4501.13
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	7/31/19	220.01	4499.75
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	2/4/20	218.70	4501.06
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	7/21/20	216.17	4503.59
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	2/2/21	216.78	4502.98
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	7/14/21	218.46	4501.30
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	2/1/22	219.48	4500.28
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	7/19/22	221.98	4497.78
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	3/1/23	222.51	4497.25
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	8/2/23	224.32	4495.44
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	3/12/24	226.62	4493.14
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	7/10/24	228.03	4491.73
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	1/28/25	229.88	4489.88
BMO-2012-1M	221388	606097.384	3469746.741	4719.76	7/9/25	231.94	4487.82
BMO-2014-1BL	917394	600570.805	3468231.44	4557.18	11/7/14	123.03	4434.15
BMO-2014-1BL	917394	600570.805	3468231.44	4558.45	1/29/15	123.53	4434.92
BMO-2014-1BL	917394	600570.805	3468231.44	4558.45	4/15/15	123.45	4435.00
BMO-2014-1BL	917394	600570.805	3468231.44	4558.45	5/18/15	123.93	4434.52
BMO-2014-1BL	917394	600570.805	3468231.440	4558.45	7/29/15	124.22	4434.23
BMO-2014-1BL	917394	600570.805	3468231.440	4558.45	10/7/15	123.58	4434.87
BMO-2014-1BL	917394	600570.805	3468231.440	4558.45	2/4/16	123.17	4435.28
BMO-2014-1BL	917394	600570.805	3468231.440	4558.45	4/6/16	123.61	4434.84
BMO-2014-1BL	917394	600570.805	3468231.440	4558.45	7/14/16	124.85	4433.60
BMO-2014-1BL	917394	600570.805	3468231.440	4558.45	11/2/16	124.93	4433.52
BMO-2014-1BL	917394	600570.805	3468231.440	4558.45	1/24/17	124.57	4433.88
BMO-2014-1BL	917394	600570.805	3468231.440	4558.45	7/13/17	126.19	4432.26
BMO-2014-1BL	917394	600570.805	3468231.440	4558.45	1/10/18	125.47	4432.98
BMO-2014-1BL	917394	600570.805	3468231.440	4558.45	7/12/18	127.11	4431.34
BMO-2014-1BL	917394	600570.805	3468231.440	4558.45	1/10/19	126.62	4431.83
BMO-2014-1BL	917394	600570.805	3468231.44	4558.45	7/18/19	127.19	4431.26
BMO-2014-1BL	917394	600570.805	3468231.44	4558.45	1/8/20	127.10	4431.35
BMO-2014-1BL	917394	600570.805	3468231.44	4558.45	8/6/20	127.50	4430.95
BMO-2014-1BL	917394	600570.805	3468231.44	4558.45	1/7/21	128.23	4430.22
BMO-2014-1BL	917394	600570.805	3468231.44	4558.45	3/9/21	128.36	4430.09
BMO-2014-1BL	917394	600570.805	3468231.44	4558.45	7/15/21	128.88	4429.57
BMO-2014-1BL	917394	600570.805	3468231.44	4558.45	1/26/22	129.55	4428.90
BMO-2014-1BL	917394	600570.805	3468231.44	4558.45	7/21/22	129.72	4428.73
BMO-2014-1BL	917394	600570.805	3468231.44	4558.45	2/15/23	130.09	4428.36
BMO-2014-1BL	917394	600570.805	3468231.44	4558.45	8/7/23	130.47	4427.98
BMO-2014-1BL	917394	600570.805	3468231.44	4558.45	2/6/24	131.30	4427.15
BMO-2014-1BL	917394	600570.805	3468231.44	4558.45	8/8/24	131.84	4426.61
BMO-2014-1BL	917394	600570.805	3468231.44	4558.45	2/6/25	132.80	4425.65
BMO-2014-1BL	917394	600570.805	3468231.440	4558.45	8/21/25	133.52	4424.93
BMO-2014-1BU	917393	600563.194	3468234.798	4557.18	11/13/14	123.51	4433.67
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	1/28/15	123.74	4434.80
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	4/15/15	123.90	4434.64
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	5/18/15	124.42	4434.12
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	7/29/15	124.65	4433.89
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	10/7/15	123.97	4434.57
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	2/4/16	123.43	4435.11
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	4/6/16	123.90	4434.64
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	7/14/16	125.23	4433.31
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	11/2/16	125.32	4433.22

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Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	1/24/17	124.86	4433.68
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	7/13/17	126.42	4432.12
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	1/10/18	125.73	4432.81
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	7/12/18	127.19	4431.35
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	1/10/19	126.86	4431.68
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	7/18/19	127.48	4431.06
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	1/8/20	127.39	4431.15
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	8/6/20	127.73	4430.81
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	1/7/21	128.49	4430.05
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	7/15/21	129.12	4429.42
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	1/26/22	129.77	4428.77
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	7/21/22	129.93	4428.61
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	2/15/23	130.32	4428.22
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	8/7/23	130.67	4427.87
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	2/6/24	131.69	4426.85
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	8/8/24	132.04	4426.50
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	2/6/25	132.98	4425.56
BMO-2014-1BU	917393	600563.194	3468234.798	4558.54	8/21/25	133.81	4424.73
BMO-2014-2BL	917452	600784.872	3468183.921	4560.31	11/20/14	126.15	4434.16
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	1/29/15	126.74	4435.06
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	4/15/15	126.70	4435.10
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	5/18/15	127.18	4434.62
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	7/29/15	127.43	4434.37
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	10/7/15	126.90	4434.90
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	2/4/16	126.68	4435.12
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	4/6/16	126.77	4435.03
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	7/14/16	127.85	4433.95
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	11/2/16	128.39	4433.41
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	1/24/17	127.73	4434.07
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	9/6/17	128.56	4433.24
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	1/10/18	129.09	4432.71
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	7/12/18	129.61	4432.19
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	1/10/19	129.96	4431.84
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	7/18/19	130.42	4431.38
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	1/8/20	130.43	4431.37
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	8/6/20	130.73	4431.07
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	1/7/21	131.50	4430.30
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	7/15/21	132.10	4429.70
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	1/26/22	132.83	4428.97
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	7/21/22	132.96	4428.84
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	2/15/23	133.30	4428.50
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	8/7/23	133.67	4428.13
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	2/6/24	134.81	4426.99
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	8/8/24	135.06	4426.74
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	2/6/25	135.95	4425.85
BMO-2014-2BL	917452	600784.872	3468183.921	4561.80	8/21/25	136.72	4425.08
BMO-2014-2BU	917453	600788.52	3468192.762	4560.31	12/1/14	126.73	4433.58
BMO-2014-2BU	917453	600788.52	3468192.762	4561.85	1/30/15	126.73	4435.12
BMO-2014-2BU	917453	600788.52	3468192.762	4561.85	4/15/15	126.65	4435.20
BMO-2014-2BU	917453	600788.52	3468192.762	4561.85	5/18/15	127.21	4434.64
BMO-2014-2BU	917453	600788.52	3468192.762	4561.85	7/29/15	127.49	4434.36
BMO-2014-2BU	917453	600788.52	3468192.762	4561.85	10/7/15	126.94	4434.91
BMO-2014-2BU	917453	600788.52	3468192.762	4561.85	2/4/16	126.56	4435.29
BMO-2014-2BU	917453	600788.52	3468192.762	4561.85	4/6/16	126.81	4435.04

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Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
BMO-2014-2BU	917453	600788.52	3468192.762	4561.85	7/14/16	127.93	4433.92
BMO-2014-2BU	917453	600788.52	3468192.762	4561.85	11/2/16	128.37	4433.48
BMO-2014-2BU	917453	600788.52	3468192.762	4561.85	1/24/17	127.75	4434.10
BMO-2014-2BU	917453	600788.52	3468192.762	4561.85	7/13/17	129.07	4432.78
BMO-2014-2BU	917453	600788.520	3468192.762	4561.85	1/10/18	129.01	4432.84
BMO-2014-2BU	917453	600788.520	3468192.762	4561.85	7/12/18	129.67	4432.18
BMO-2014-2BU	917453	600788.520	3468192.762	4561.85	1/10/19	129.99	4431.86
BMO-2014-2BU	917453	600788.520	3468192.762	4561.85	7/18/19	130.46	4431.39
BMO-2014-2BU	917453	600788.520	3468192.762	4561.85	1/8/20	130.35	4431.50
BMO-2014-2BU	917453	600788.520	3468192.762	4561.85	8/6/20	130.75	4431.10
BMO-2014-2BU	917453	600788.520	3468192.762	4561.85	1/7/21	131.51	4430.34
BMO-2014-2BU	917453	600788.520	3468192.762	4561.85	7/15/21	132.12	4429.73
BMO-2014-2BU	917453	600788.520	3468192.762	4561.85	1/26/22	132.81	4429.04
BMO-2014-2BU	917453	600788.520	3468192.762	4561.85	7/21/22	133.00	4428.85
BMO-2014-2BU	917453	600788.520	3468192.762	4561.85	2/15/23	133.27	4428.58
BMO-2014-2BU	917453	600788.52	3468192.762	4561.85	8/7/23	133.66	4428.19
BMO-2014-2BU	917453	600788.52	3468192.762	4561.85	2/6/24	134.76	4427.09
BMO-2014-2BU	917453	600788.52	3468192.762	4561.85	8/8/24	135.00	4426.85
BMO-2014-2BU	917453	600788.52	3468192.762	4561.85	2/6/25	135.97	4425.88
BMO-2014-2BU	917453	600788.52	3468192.762	4561.85	8/21/25	136.66	4425.19
BMO-2014-3BL	917527	600824.0155	3467793.1	4572.213	2/13/15	136.57	4435.64
BMO-2014-3BL	917527	600824.0155	3467793.1	4573.765	4/15/15	138.35	4435.42
BMO-2014-3BL	917527	600824.0155	3467793.1	4573.765	5/18/15	138.64	4435.13
BMO-2014-3BL	917527	600824.0155	3467793.1	4573.765	7/29/15	138.86	4434.91
BMO-2014-3BL	917527	600824.0155	3467793.1	4573.765	10/7/15	138.51	4435.26
BMO-2014-3BL	917527	600824.0155	3467793.1	4573.765	2/4/16	138.14	4435.63
BMO-2014-3BL	917527	600824.0155	3467793.1	4573.765	4/6/16	138.39	4435.38
BMO-2014-3BL	917527	600824.0155	3467793.1	4573.765	7/14/16	139.44	4434.33
BMO-2014-3BL	917527	600824.015	3467793.100	4573.765	11/2/16	139.66	4434.11
BMO-2014-3BL	917527	600824.015	3467793.100	4573.765	1/25/17	139.54	4434.23
BMO-2014-3BL	917527	600824.015	3467793.100	4573.765	7/13/17	140.74	4433.03
BMO-2014-3BL	917527	600824.015	3467793.100	4573.765	1/11/18	140.48	4433.29
BMO-2014-3BL	917527	600824.015	3467793.100	4573.765	1/12/18	140.56	4433.21
BMO-2014-3BL	917527	600824.015	3467793.100	4573.765	7/12/18	141.74	4432.03
BMO-2014-3BL	917527	600824.015	3467793.100	4573.765	1/10/19	142.01	4431.76
BMO-2014-3BL	917527	600824.015	3467793.100	4573.765	7/18/19	142.49	4431.28
BMO-2014-3BL	917527	600824.015	3467793.100	4573.765	1/9/20	142.76	4431.01
BMO-2014-3BL	917527	600824.015	3467793.100	4573.765	8/6/20	142.99	4430.78
BMO-2014-3BL	917527	600824.015	3467793.100	4573.765	1/7/21	143.90	4429.87
BMO-2014-3BL	917527	600824.0155	3467793.1	4573.765	7/15/21	144.45	4429.32
BMO-2014-3BL	917527	600824.0155	3467793.1	4573.765	1/27/22	145.15	4428.62
BMO-2014-3BL	917527	600824.0155	3467793.1	4573.765	8/1/22	145.37	4428.40
BMO-2014-3BL	917527	600824.0155	3467793.1	4573.765	2/16/23	145.48	4428.29
BMO-2014-3BL	917527	600824.0155	3467793.1	4573.765	8/8/23	145.93	4427.84
BMO-2014-3BL	917527	600824.0155	3467793.1	4573.765	1/30/24	147.09	4426.68
BMO-2014-3BL	917527	600824.0155	3467793.1	4573.765	8/12/24	147.39	4426.38
BMO-2014-3BL	917527	600824.0155	3467793.1	4573.765	2/6/25	148.35	4425.42
BMO-2014-3BL	917527	600824.0155	3467793.1	4573.765	8/21/25	149.22	4424.55
BMO-2014-3BU	917494	600813.4285	3467793.102	4572.213	2/24/15	137.91	4434.30
BMO-2014-3BU	917494	600813.4285	3467793.102	4574.887	4/15/15	139.45	4435.44
BMO-2014-3BU	917494	600813.4285	3467793.102	4574.887	5/18/15	139.74	4435.15
BMO-2014-3BU	917494	600813.429	3467793.102	4574.887	7/29/15	140.03	4434.86
BMO-2014-3BU	917494	600813.429	3467793.102	4574.887	10/7/15	139.64	4435.25
BMO-2014-3BU	917494	600813.429	3467793.102	4574.887	2/4/16	139.20	4435.69

APPENDIX C
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Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
BMO-2014-3BU	917494	600813.429	3467793.102	4574.887	4/6/16	139.48	4435.41
BMO-2014-3BU	917494	600813.429	3467793.102	4574.887	7/14/16	140.55	4434.34
BMO-2014-3BU	917494	600813.429	3467793.102	4574.887	11/2/16	140.83	4434.06
BMO-2014-3BU	917494	600813.429	3467793.102	4574.887	1/25/17	140.66	4434.23
BMO-2014-3BU	917494	600813.429	3467793.102	4574.887	7/13/17	140.80	4434.09
BMO-2014-3BU	917494	600813.429	3467793.102	4574.887	1/11/18	141.50	4433.39
BMO-2014-3BU	917494	600813.429	3467793.102	4574.887	1/12/18	141.52	4433.37
BMO-2014-3BU	917494	600813.429	3467793.102	4574.887	7/12/18	141.65	4433.24
BMO-2014-3BU	917494	600813.4285	3467793.102	4574.887	1/10/19	143.12	4431.77
BMO-2014-3BU	917494	600813.4285	3467793.102	4574.887	7/18/19	143.56	4431.33
BMO-2014-3BU	917494	600813.4285	3467793.102	4574.887	1/9/20	143.84	4431.05
BMO-2014-3BU	917494	600813.4285	3467793.102	4574.887	8/6/20	144.08	4430.81
BMO-2014-3BU	917494	600813.4285	3467793.102	4574.887	1/7/21	144.99	4429.90
BMO-2014-3BU	917494	600813.4285	3467793.102	4574.887	7/15/21	145.56	4429.33
BMO-2014-3BU	917494	600813.4285	3467793.102	4574.887	1/27/22	146.24	4428.65
BMO-2014-3BU	917494	600813.4285	3467793.102	4574.887	8/1/22	146.58	4428.31
BMO-2014-3BU	917494	600813.4285	3467793.102	4574.887	2/16/23	146.59	4428.30
BMO-2014-3BU	917494	600813.4285	3467793.102	4574.887	8/8/23	147.01	4427.88
BMO-2014-3BU	917494	600813.4285	3467793.102	4574.887	1/30/24	148.21	4426.68
BMO-2014-3BU	917494	600813.4285	3467793.102	4574.887	8/12/24	148.51	4426.38
BMO-2014-3BU	917494	600813.429	3467793.102	4574.887	2/6/25	149.61	4425.28
BMO-2014-3BU	917494	600813.429	3467793.102	4574.887	8/21/25	150.31	4424.58
BMO-2014-4B	917620	600508.904	3468579.814	4566.453	3/4/15	132.43	4434.02
BMO-2014-4B	917620	600508.904	3468579.814	4567.672	4/14/15	133.60	4434.07
BMO-2014-4B	917620	600508.904	3468579.814	4567.672	5/18/15	133.85	4433.82
BMO-2014-4B	917620	600508.904	3468579.814	4567.672	7/23/15	134.27	4433.40
BMO-2014-4B	917620	600508.904	3468579.814	4567.672	10/6/15	133.74	4433.93
BMO-2014-4B	917620	600508.904	3468579.814	4567.672	2/3/16	133.04	4434.63
BMO-2014-4B	917620	600508.904	3468579.814	4567.672	4/5/16	133.25	4434.42
BMO-2014-4B	917620	600508.904	3468579.814	4567.672	7/13/16	134.64	4433.03
BMO-2014-4B	917620	600508.904	3468579.814	4567.672	11/1/16	134.87	4432.80
BMO-2014-4B	917620	600508.904	3468579.814	4567.672	1/23/17	134.41	4433.26
BMO-2014-4B	917620	600508.904	3468579.814	4567.672	7/12/17	135.68	4431.99
BMO-2014-4B	917620	600508.904	3468579.814	4567.672	1/9/18	135.05	4432.62
BMO-2014-4B	917620	600508.904	3468579.814	4567.672	7/11/18	136.51	4431.16
BMO-2014-4B	917620	600508.904	3468579.814	4567.672	1/9/19	136.53	4431.14
BMO-2014-4B	917620	600508.904	3468579.814	4567.672	7/17/19	137.00	4430.67
BMO-2014-4B	917620	600508.904	3468579.814	4567.672	1/7/20	137.04	4430.63
BMO-2014-4B	917620	600508.9041	3468579.814	4567.672	8/5/20	137.37	4430.30
BMO-2014-4B	917620	600508.9041	3468579.814	4567.672	1/6/21	138.09	4429.58
BMO-2014-4B	917620	600508.9041	3468579.814	4567.672	7/14/21	138.73	4428.94
BMO-2014-4B	917620	600508.9041	3468579.814	4567.672	1/25/22	139.30	4428.37
BMO-2014-4B	917620	600508.9041	3468579.814	4567.672	7/20/22	139.63	4428.04
BMO-2014-4B	917620	600508.9041	3468579.814	4567.672	2/2/23	139.42	4428.25
BMO-2014-4B	917620	600508.9041	3468579.814	4567.672	8/3/23	140.34	4427.33
BMO-2014-4B	917620	600508.9041	3468579.814	4567.672	2/1/24	141.12	4426.55
BMO-2014-4B	917620	600508.9041	3468579.814	4567.672	8/7/24	141.71	4425.96
BMO-2014-4B	917620	600508.9041	3468579.814	4567.672	2/3/25	142.38	4425.29
BMO-2014-4B	917620	600508.9041	3468579.814	4567.672	8/19/25	143.31	4424.36
BMO-2014-4BL	917619	600498.0157	3468566.049	4566.453	3/1/15	131.89	4434.56
BMO-2014-4BL	917619	600498.0157	3468566.049	4567.045	4/14/15	132.95	4434.10
BMO-2014-4BL	917619	600498.0157	3468566.049	4567.045	5/18/15	133.23	4433.82
BMO-2014-4BL	917619	600498.0157	3468566.049	4567.045	7/23/15	133.67	4433.38
BMO-2014-4BL	917619	600498.0157	3468566.049	4567.045	10/6/15	133.16	4433.89

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Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
BMO-2014-4BL	917619	600498.0157	3468566.049	4567.045	2/3/16	132.43	4434.62
BMO-2014-4BL	917619	600498.0157	3468566.049	4567.045	4/5/16	132.67	4434.38
BMO-2014-4BL	917619	600498.0157	3468566.049	4567.045	8/25/16	133.82	4433.23
BMO-2014-4BL	917619	600498.0157	3468566.049	4567.045	11/1/16	134.30	4432.75
BMO-2014-4BL	917619	600498.016	3468566.049	4567.045	1/23/17	133.85	4433.20
BMO-2014-4BL	917619	600498.016	3468566.049	4567.045	7/12/17	135.10	4431.95
BMO-2014-4BL	917619	600498.016	3468566.049	4567.045	1/9/18	134.47	4432.58
BMO-2014-4BL	917619	600498.016	3468566.049	4567.045	7/11/18	136.07	4430.98
BMO-2014-4BL	917619	600498.016	3468566.049	4567.045	1/9/19	135.95	4431.10
BMO-2014-4BL	917619	600498.016	3468566.049	4567.045	7/17/19	136.44	4430.61
BMO-2014-4BL	917619	600498.016	3468566.049	4567.045	1/7/20	136.46	4430.59
BMO-2014-4BL	917619	600498.016	3468566.049	4567.045	8/5/20	136.86	4430.19
BMO-2014-4BL	917619	600498.016	3468566.049	4567.045	1/6/21	137.55	4429.50
BMO-2014-4BL	917619	600498.016	3468566.049	4567.045	7/14/21	138.15	4428.90
BMO-2014-4BL	917619	600498.016	3468566.049	4567.045	1/25/22	138.74	4428.31
BMO-2014-4BL	917619	600498.016	3468566.049	4567.045	7/20/22	138.98	4428.07
BMO-2014-4BL	917619	600498.016	3468566.049	4567.045	2/2/23	139.33	4427.72
BMO-2014-4BL	917619	600498.016	3468566.049	4567.045	8/3/23	139.76	4427.29
BMO-2014-4BL	917619	600498.016	3468566.049	4567.045	2/1/24	140.55	4426.50
BMO-2014-4BL	917619	600498.016	3468566.049	4567.045	8/7/24	141.11	4425.94
BMO-2014-4BL	917619	600498.016	3468566.049	4567.045	2/3/25	141.86	4425.19
BMO-2014-4BL	917619	600498.016	3468566.049	4567.045	8/19/25	142.79	4424.26
BMO-2015-1B	917622	600270.854	3468568.778	4561.382	3/15/15	128.05	4433.33
BMO-2015-1B	917622	600270.854	3468568.778	4562.063	4/14/15	129.10	4432.96
BMO-2015-1B	917622	600270.854	3468568.778	4562.063	5/18/15	129.24	4432.82
BMO-2015-1B	917622	600270.854	3468568.778	4562.063	7/23/15	129.62	4432.44
BMO-2015-1B	917622	600270.854	3468568.778	4562.063	10/6/15	129.02	4433.04
BMO-2015-1B	917622	600270.854	3468568.778	4562.063	2/3/16	128.41	4433.65
BMO-2015-1B	917622	600270.854	3468568.778	4562.063	4/5/16	128.45	4433.61
BMO-2015-1B	917622	600270.854	3468568.778	4562.063	8/25/16	130.05	4432.01
BMO-2015-1B	917622	600270.854	3468568.778	4562.063	11/1/16	130.38	4431.68
BMO-2015-1B	917622	600270.854	3468568.778	4562.063	1/23/17	130.28	4431.78
BMO-2015-1B	917622	600270.854	3468568.778	4562.063	7/12/17	131.14	4430.92
BMO-2015-1B	917622	600270.854	3468568.778	4562.063	1/9/18	130.50	4431.56
BMO-2015-1B	917622	600270.854	3468568.778	4562.063	7/11/18	131.87	4430.19
BMO-2015-1B	917622	600270.854	3468568.778	4562.063	1/9/19	132.24	4429.82
BMO-2015-1B	917622	600270.854	3468568.778	4562.063	7/17/19	132.79	4429.27
BMO-2015-1B	917622	600270.854	3468568.778	4562.063	1/7/20	132.91	4429.15
BMO-2015-1B	917622	600270.854	3468568.778	4562.063	8/5/20	133.35	4428.71
BMO-2015-1B	917622	600270.854	3468568.778	4562.063	1/6/21	133.95	4428.11
BMO-2015-1B	917622	600270.854	3468568.778	4562.063	7/14/21	134.63	4427.43
BMO-2015-1B	917622	600270.854	3468568.778	4562.063	1/25/22	135.13	4426.93
BMO-2015-1B	917622	600270.854	3468568.778	4562.063	7/20/22	135.50	4426.56
BMO-2015-1B	917622	600270.854	3468568.778	4562.063	2/2/23	135.37	4426.69
BMO-2015-1B	917622	600270.854	3468568.778	4562.063	8/3/23	136.23	4425.83
BMO-2015-1B	917622	600270.854	3468568.778	4562.063	2/1/24	137.09	4424.97
BMO-2015-1B	917622	600270.854	3468568.778	4562.063	8/7/24	137.80	4424.26
BMO-2015-1B	917622	600270.854	3468568.778	4562.063	2/3/25	138.32	4423.74
BMO-2015-1B	917622	600270.854	3468568.778	4562.063	8/19/25	139.33	4422.73
BMO-2015-1BL	917621	600280.379	3468583.066	4561.382	3/12/15	129.10	4432.28
BMO-2015-1BL	917621	600280.379	3468583.066	4563.402	4/14/15	130.45	4432.95
BMO-2015-1BL	917621	600280.379	3468583.066	4563.402	5/18/15	130.59	4432.81
BMO-2015-1BL	917621	600280.379	3468583.066	4563.402	7/23/15	130.98	4432.42
BMO-2015-1BL	917621	600280.379	3468583.066	4563.402	10/6/15	130.30	4433.10

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Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
BMO-2015-1BL	917621	600280.379	3468583.066	4563.402	2/3/16	129.75	4433.65
BMO-2015-1BL	917621	600280.379	3468583.066	4563.402	4/5/16	129.81	4433.59
BMO-2015-1BL	917621	600280.379	3468583.066	4563.402	7/13/16	131.31	4432.09
BMO-2015-1BL	917621	600280.379	3468583.066	4563.402	11/1/16	131.66	4431.74
BMO-2015-1BL	917621	600280.379	3468583.066	4563.402	1/23/17	131.58	4431.82
BMO-2015-1BL	917621	600280.379	3468583.066	4563.402	7/12/17	132.46	4430.94
BMO-2015-1BL	917621	600280.379	3468583.066	4563.402	1/9/18	131.79	4431.61
BMO-2015-1BL	917621	600280.379	3468583.066	4563.402	7/11/18	133.21	4430.19
BMO-2015-1BL	917621	600280.379	3468583.066	4563.402	1/9/19	133.52	4429.88
BMO-2015-1BL	917621	600280.379	3468583.066	4563.402	7/17/19	134.09	4429.31
BMO-2015-1BL	917621	600280.379	3468583.066	4563.402	1/7/20	134.18	4429.22
BMO-2015-1BL	917621	600280.379	3468583.066	4563.402	8/5/20	134.62	4428.78
BMO-2015-1BL	917621	600280.379	3468583.066	4563.402	1/6/21	135.25	4428.15
BMO-2015-1BL	917621	600280.379	3468583.066	4563.402	3/9/21	135.21	4428.19
BMO-2015-1BL	917621	600280.379	3468583.066	4563.402	7/14/21	135.90	4427.50
BMO-2015-1BL	917621	600280.379	3468583.066	4563.402	1/25/22	136.41	4426.99
BMO-2015-1BL	917621	600280.379	3468583.066	4563.402	7/20/22	136.82	4426.58
BMO-2015-1BL	917621	600280.379	3468583.066	4563.402	2/2/23	136.92	4426.48
BMO-2015-1BL	917621	600280.379	3468583.066	4563.402	8/3/23	137.51	4425.89
BMO-2015-1BL	917621	600280.379	3468583.066	4563.402	2/1/24	138.31	4425.09
BMO-2015-1BL	917621	600280.379	3468583.066	4563.402	8/7/24	139.06	4424.34
BMO-2015-1BL	917621	600280.379	3468583.066	4563.402	2/3/25	139.53	4423.87
BMO-2015-1BL	917621	600280.379	3468583.066	4563.402	8/19/25	140.60	4422.80
BMO-2015-2B	917827	600261.329	3468985.498	4579.624	3/19/15	147.17	4432.45
BMO-2015-2B	917827	600261.329	3468985.498	4582.082	4/14/15	149.05	4433.03
BMO-2015-2B	917827	600261.329	3468985.498	4582.082	5/18/15	149.18	4432.90
BMO-2015-2B	917827	600261.329	3468985.498	4582.082	7/23/15	149.47	4432.61
BMO-2015-2B	917827	600261.329	3468985.498	4582.082	10/6/15	148.94	4433.14
BMO-2015-2B	917827	600261.329	3468985.498	4582.082	2/3/16	148.45	4433.63
BMO-2015-2B	917827	600261.329	3468985.498	4582.082	4/5/16	148.37	4433.71
BMO-2015-2B	917827	600261.329	3468985.498	4582.082	7/13/16	149.88	4432.20
BMO-2015-2B	917827	600261.329	3468985.498	4582.082	11/1/16	150.30	4431.78
BMO-2015-2B	917827	600261.329	3468985.498	4582.082	1/23/17	150.12	4431.96
BMO-2015-2B	917827	600261.329	3468985.498	4582.082	7/12/17	150.99	4431.09
BMO-2015-2B	917827	600261.329	3468985.498	4582.082	1/9/18	150.43	4431.65
BMO-2015-2B	917827	600261.329	3468985.498	4582.082	7/11/18	151.72	4430.36
BMO-2015-2B	917827	600261.329	3468985.498	4582.082	1/9/19	152.10	4429.98
BMO-2015-2B	917827	600261.329	3468985.498	4582.082	7/17/19	152.71	4429.37
BMO-2015-2B	917827	600261.329	3468985.498	4582.082	1/7/20	152.82	4429.26
BMO-2015-2B	917827	600261.329	3468985.498	4582.082	8/5/20	153.31	4428.77
BMO-2015-2B	917827	600261.329	3468985.498	4582.082	1/6/21	153.83	4428.25
BMO-2015-2B	917827	600261.329	3468985.498	4582.082	7/14/21	154.56	4427.52
BMO-2015-2B	917827	600261.329	3468985.498	4582.082	1/25/22	154.95	4427.13
BMO-2015-2B	917827	600261.329	3468985.498	4582.082	7/20/22	155.38	4426.70
BMO-2015-2B	917827	600261.329	3468985.498	4582.082	2/2/23	155.48	4426.60
BMO-2015-2B	917827	600261.329	3468985.498	4582.082	8/3/23	156.15	4425.93
BMO-2015-2B	917827	600261.329	3468985.498	4582.082	1/23/24	156.84	4425.24
BMO-2015-2B	917827	600261.329	3468985.498	4582.082	8/5/24	157.76	4424.32
BMO-2015-2B	917827	600261.329	3468985.498	4582.082	2/3/25	158.10	4423.98
BMO-2015-2B	917827	600261.329	3468985.498	4582.082	8/19/25	159.18	4422.90
BMO-2015-2BL	917828	600268.4728	3468999.785	4579.624	3/26/15	146.43	4433.19
BMO-2015-2BL	917828	600268.4728	3468999.785	4580.644	4/14/15	147.60	4433.04
BMO-2015-2BL	917828	600268.4728	3468999.785	4580.644	5/18/15	147.82	4432.82
BMO-2015-2BL	917828	600268.4728	3468999.785	4580.644	7/23/15	148.12	4432.52

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
BMO-2015-2BL	917828	600268.4728	3468999.785	4580.644	10/6/15	147.56	4433.08
BMO-2015-2BL	917828	600268.4728	3468999.785	4580.644	2/3/16	147.06	4433.58
BMO-2015-2BL	917828	600268.4728	3468999.785	4580.644	4/5/16	146.99	4433.65
BMO-2015-2BL	917828	600268.4728	3468999.785	4580.644	7/13/16	148.52	4432.12
BMO-2015-2BL	917828	600268.473	3468999.785	4580.644	11/1/16	149.00	4431.64
BMO-2015-2BL	917828	600268.473	3468999.785	4580.644	1/23/17	148.80	4431.84
BMO-2015-2BL	917828	600268.473	3468999.785	4580.644	7/12/17	149.64	4431.00
BMO-2015-2BL	917828	600268.473	3468999.785	4580.644	1/9/18	149.09	4431.55
BMO-2015-2BL	917828	600268.473	3468999.785	4580.644	7/11/18	150.39	4430.25
BMO-2015-2BL	917828	600268.473	3468999.785	4580.644	1/9/19	150.76	4429.88
BMO-2015-2BL	917828	600268.473	3468999.785	4580.644	7/17/19	151.37	4429.27
BMO-2015-2BL	917828	600268.473	3468999.785	4580.644	1/7/20	151.49	4429.15
BMO-2015-2BL	917828	600268.473	3468999.785	4580.644	8/5/20	151.95	4428.69
BMO-2015-2BL	917828	600268.473	3468999.785	4580.644	1/6/21	152.54	4428.10
BMO-2015-2BL	917828	600268.473	3468999.785	4580.644	7/14/21	153.24	4427.40
BMO-2015-2BL	917828	600268.473	3468999.785	4580.644	1/25/22	153.64	4427.00
BMO-2015-2BL	917828	600268.473	3468999.785	4580.644	7/20/22	154.10	4426.54
BMO-2015-2BL	917828	600268.473	3468999.785	4580.644	2/2/23	154.16	4426.48
BMO-2015-2BL	917828	600268.4728	3468999.785	4580.644	8/3/23	154.92	4425.72
BMO-2015-2BL	917828	600268.473	3468999.785	4580.644	1/23/24	155.53	4425.11
BMO-2015-2BL	917828	600268.473	3468999.785	4580.644	8/5/24	156.43	4424.21
BMO-2015-2BL	917828	600268.473	3468999.785	4580.644	2/3/25	156.79	4423.85
BMO-2015-2BL	917828	600268.473	3468999.785	4580.644	8/17/25	157.92	4422.72
BOOTH	914931	601132.585	3468049.038	4568.21	1/15/13	131.47	4436.74
BOOTH	914931	601132.585	3468049.038	4568.21	4/19/13	132.04	4436.17
BOOTH	914931	601132.585	3468049.038	4568.21	10/18/13	132.56	4435.65
BOOTH	914931	601132.585	3468049.038	4568.21	8/2/23	139.19	4429.02
BOOTH	914931	601132.585	3468049.038	4568.21	1/26/24	140.32	4427.89
BOOTH	914931	601132.585	3468049.038	4568.21	9/11/24	140.99	4427.22
BOOTH	914931	601132.585	3468049.038	4568.21	1/27/25	141.68	4426.53
BURKE	212268	602230.086	3473029.835	4856.30	4/22/08	606.55	4249.75
BURKE	212268	602230.086	3473029.835	4856.30	8/5/08	605.86	4250.44
BURKE	212268	602230.086	3473029.835	4856.30	10/28/08	604.88	4251.42
BURKE	212268	602230.086	3473029.835	4856.30	2/19/09	603.91	4252.39
BURKE	212268	602230.086	3473029.835	4856.30	4/28/09	603.70	4252.60
BURKE	212268	602230.086	3473029.835	4856.30	8/19/09	602.66	4253.64
BURKE	212268	602230.086	3473029.835	4856.30	10/10/13	601.06	4255.24
BURKE	212268	602230.086	3473029.835	4856.30	1/8/14	592.90	4263.40
BURKE	212268	602230.086	3473029.835	4856.30	4/16/14	592.51	4263.79
BURKE	212268	602230.086	3473029.835	4856.30	7/21/14	592.35	4263.95
BURKE	212268	602230.086	3473029.835	4856.30	10/21/14	594.68	4261.62
BURKE	212268	602230.086	3473029.835	4856.30	8/3/15	587.06	4269.24
COB MW-1	903992	603153.259	3469889.889	4683.26	2/22/08	232.47	4450.79
COB MW-1	903992	603153.259	3469889.889	4683.26	5/20/08	233.12	4450.14
COB MW-1	903992	603153.259	3469889.889	4683.26	7/30/08	233.37	4449.89
COB MW-1	903992	603153.259	3469889.889	4683.26	10/23/08	233.62	4449.64
COB MW-1	903992	603153.259	3469889.889	4683.26	2/12/09	234.05	4449.21
COB MW-1	903992	603153.259	3469889.889	4683.26	4/21/09	234.99	4448.27
COB MW-1	903992	603153.259	3469889.889	4683.26	7/22/09	234.34	4448.92
COB MW-1	903992	603153.259	3469889.889	4683.26	10/22/09	234.69	4448.57
COB MW-1	903992	603153.259	3469889.889	4683.26	2/4/10	235.15	4448.11
COB MW-1	903992	603153.259	3469889.889	4683.26	4/20/10	235.47	4447.79
COB MW-1	903992	603153.259	3469889.889	4683.26	7/13/10	235.68	4447.58
COB MW-1	903992	603153.259	3469889.889	4683.26	7/14/11	236.98	4446.28

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
COB MW-1	903992	603153.259	3469889.889	4683.26	7/12/12	238.24	4445.02
COB MW-1	903992	603153.259	3469889.889	4683.26	2/5/13	239.11	4444.15
COB MW-1	903992	603153.259	3469889.889	4683.26	7/11/13	239.67	4443.59
COB MW-1	903992	603153.259	3469889.889	4683.26	7/9/14	240.03	4443.23
COB MW-1	903992	603153.259	3469889.889	4683.26	2/4/15	239.46	4443.80
COB MW-1	903992	603153.259	3469889.889	4683.26	7/27/15	239.83	4443.43
COB MW-1B	225906	603155.541	3469877.441	4683.26 2	7/20/16	240.06	4443.20
COB MW-1B	225906	603155.541	3469877.441	4683.26 2	1/19/17	239.90	4443.36
COB MW-1B	225906	603155.541	3469877.441	4683.26 2	7/19/17	240.27	4442.99
COB MW-1B	225906	603155.541	3469877.441	4683.26	8/14/24	246.66	4436.60
COB MW-2	903984	600973.253	3468114.871	4566.21	2/22/08	122.85	4443.36
COB MW-2	903984	600973.253	3468114.871	4566.21	5/20/08	123.00	4443.21
COB MW-2	903984	600973.253	3468114.871	4566.21	7/30/08	123.53	4442.68
COB MW-2	903984	600973.253	3468114.871	4566.21	10/23/08	124.02	4442.19
COB MW-2	903984	600973.253	3468114.871	4566.21	2/12/09	123.39	4442.82
COB MW-2	903984	600973.253	3468114.871	4566.21	4/23/09	124.16	4442.05
COB MW-2	903984	600973.253	3468114.871	4566.21	7/22/09	124.91	4441.30
COB MW-2	903984	600973.253	3468114.871	4566.21	10/22/09	125.33	4440.88
COB MW-2	903984	600973.253	3468114.871	4566.21	3/3/10	124.93	4441.28
COB MW-2	903984	600973.253	3468114.871	4566.21	4/26/10	125.47	4440.74
COB MW-2	903984	600973.253	3468114.871	4566.21	7/13/10	126.54	4439.67
COB MW-2	903984	600973.253	3468114.871	4566.21	1/20/11	126.46	4439.75
COB MW-2	903984	600973.253	3468114.871	4566.21	7/14/11	128.17	4438.04
COB MW-2	903984	600973.253	3468114.871	4566.21	1/31/12	128.04	4438.17
COB MW-2	903984	600973.253	3468114.871	4566.21	7/12/12	129.58	4436.63
COB MW-2	903984	600973.253	3468114.871	4566.21	1/9/13	129.28	4436.93
COB MW-2	903984	600973.253	3468114.871	4566.21	7/25/13	130.21	4436.00
COB MW-2	903984	600973.253	3468114.871	4566.21	1/6/14	130.11	4436.10
COB MW-2	903984	600973.253	3468114.871	4566.21	7/9/14	131.32	4434.89
COB MW-2	903984	600973.253	3468114.871	4566.21	2/4/15	126.60	4439.61
COB MW-2	903984	600973.253	3468114.871	4566.21	5/28/15	130.39	4435.82
COB MW-2	903984	600973.253	3468114.871	4566.21	7/27/15	130.32	4435.89
COB MW-2	903984	600973.253	3468114.871	4566.21	10/7/15	129.96	4436.25
COB MW-2	903984	600973.253	3468114.871	4566.21	1/11/16	129.56	4436.65
COB MW-2	903984	600973.253	3468114.871	4566.21	7/20/16	130.90	4435.31
COB MW-2	903984	600973.253	3468114.871	4566.21	1/19/17	130.99	4435.22
COB MW-2	903984	600973.253	3468114.871	4566.21	7/19/17	131.90	4434.31
COB MW-2	903984	600973.253	3468114.871	4566.21	1/11/18	131.72	4434.49
COB MW-2	903984	600973.253	3468114.871	4566.21	7/17/18	132.56	4433.65
COB MW-2	903984	600973.253	3468114.871	4566.21	1/15/19	133.13	4433.08
COB MW-2	903984	600973.253	3468114.871	4566.21	7/24/19	133.54	4432.67
COB MW-2	903984	600973.253	3468114.871	4566.21	1/14/20	133.82	4432.39
COB MW-2	903984	600973.253	3468114.871	4566.21	8/11/20	134.02	4432.19
COB MW-2	903984	600973.253	3468114.871	4566.21	1/12/21	134.86	4431.35
COB MW-2	903984	600973.253	3468114.871	4566.21	7/21/21	135.43	4430.78
COB MW-2	903984	600973.253	3468114.871	4566.21	2/8/22	135.5	4430.71
COB MW-2	903984	600973.253	3468114.871	4566.21	8/3/22	136	4430
COB MW-2	903984	600973.253	3468114.871	4566.21	2/1/23	136.51	4429.70
COB MW-2	903984	600973.253	3468114.871	4566.21	8/2/23	136.80	4429.41
COB MW-2	903984	600973.253	3468114.871	4566.21	2/14/24	138.09	4428.12
COB MW-2	903984	600973.253	3468114.871	4566.21	8/14/24	138.37	4427.84
COB MW-2	903984	600973.253	3468114.871	4566.21	2/12/25	139.33	4426.88
COB MW-2	903984	600973.253	3468114.871	4566.21	8/20/25	140.11	4426.10
COB MW-3	906823	599169.255	3468726.057	4538.63	2/28/08	120.84	4417.79

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
COB MW-3	906823	599169.255	3468726.057	4538.63	5/20/08	125.00	4413.63
COB MW-3	906823	599169.255	3468726.057	4538.63	7/30/08	118.50	4420.13
COB MW-3	906823	599169.255	3468726.057	4538.63	10/23/08	117.93	4420.70
COB MW-3	906823	599169.255	3468726.057	4538.63	2/12/09	110.91	4427.72
COB MW-3	906823	599169.255	3468726.057	4538.63	4/23/09	125.13	4413.50
COB MW-3	906823	599169.255	3468726.057	4538.63	7/22/09	124.09	4414.54
COB MW-3	906823	599169.255	3468726.057	4538.63	10/22/09	118.03	4420.60
COB MW-3	906823	599169.255	3468726.057	4538.63	3/3/10	120.14	4418.49
COB MW-3	906823	599169.255	3468726.057	4538.63	4/26/10	123.12	4415.51
COB MW-3	906823	599169.255	3468726.057	4538.63	7/13/10	128.60	4410.03
COB MW-3	906823	599169.255	3468726.057	4538.63	7/14/11	132.41	4406.22
COB MW-3	906823	599169.255	3468726.057	4538.63	7/12/12	133.89	4404.74
COB MW-3	906823	599169.255	3468726.057	4538.63	2/5/13	123.68	4414.95
COB MW-3	906823	599169.255	3468726.057	4538.63	7/25/13	129.05	4409.58
COB MW-3	906823	599169.255	3468726.057	4538.63	1/6/14	127.52	4411.11
COB MW-3	906823	599169.255	3468726.057	4538.63	7/9/14	124.19	4414.44
COB MW-3	906823	599169.255	3468726.057	4538.63	2/4/15	115.11	4423.52
COB MW-3	906823	599169.255	3468726.057	4538.63	7/27/15	118.39	4420.24
COB MW-3	906823	599169.255	3468726.057	4538.63	10/7/15	114.37	4424.26
COB MW-3	906823	599169.255	3468726.057	4538.63	1/11/16	112.93	4425.70
COB MW-3	906823	599169.255	3468726.057	4538.63	7/20/16	120.25	4418.38
COB MW-3	906823	599169.255	3468726.057	4538.63	1/27/17	126.14	4412.49
COB MW-3	906823	599169.255	3468726.057	4538.63	7/19/17	120.70	4417.93
COB MW-3	906823	599169.255	3468726.057	4538.63	1/11/18	116.02	4422.61
COB MW-3	906823	599169.255	3468726.057	4538.63	7/17/18	125.77	4412.86
COB MW-3	906823	599169.255	3468726.057	4538.63	1/15/19	125.53	4413.10
COB MW-3	906823	599169.255	3468726.057	4538.63	7/24/19	127.73	4410.90
COB MW-3	906823	599169.255	3468726.057	4538.63	1/14/20	123.27	4415.36
COB MW-3	906823	599169.255	3468726.057	4538.63	8/11/20	137.35	4401.28
COB MW-3	906823	599169.255	3468726.057	4538.63	1/12/21	134.66	4403.97
COB MW-3	906823	599169.255	3468726.057	4538.63	7/21/21	136.83	4401.80
COB MW-3	906823	599169.255	3468726.057	4538.63	2/8/22	134.67	4403.96
COB MW-3	906823	599169.255	3468726.057	4538.63	8/3/22	132	4407
COB MW-3	906823	599169.255	3468726.057	4538.63	2/1/23	134.42	4404.21
COB MW-3	906823	599169.255	3468726.057	4538.63	8/3/23	140.46	4398.17
COB MW-3	906823	599169.255	3468726.057	4538.61	2/14/24	130.94	4407.67
COB MW-3	906823	599169.255	3468726.057	4538.61	8/14/24	143.04	4395.57
COB MW-3	906823	599169.255	3468726.057	4538.61	2/12/25	127.25	4411.36
COB MW-3	906823	599169.255	3468726.057	4538.61	8/20/25	142.95	4395.66
COB WL	593116	606357.499	3472502.035	4832.06	2/22/08	56.50	4775.56
COB WL	593116	606357.499	3472502.035	4832.06	5/20/08	57.50	4774.56
COB WL	593116	606357.499	3472502.035	4832.06	7/30/08	58.64	4773.42
COB WL	593116	606357.499	3472502.035	4832.06	10/23/08	58.76	4773.30
COB WL	593116	606357.499	3472502.035	4832.06	2/12/09	58.89	4773.17
COB WL	593116	606357.499	3472502.035	4832.06	4/23/09	59.73	4772.33
COB WL	593116	606357.499	3472502.035	4832.06	7/22/09	61.27	4770.79
COB WL	593116	606357.499	3472502.035	4832.06	10/22/09	62.82	4769.24
COB WL	593116	606357.499	3472502.035	4832.06	3/3/10	65.24	4766.82
COB WL	593116	606357.499	3472502.035	4832.06	4/26/10	66.13	4765.93
COB WL	593116	606357.499	3472502.035	4832.06	7/13/10	67.52	4764.54
COB WL	593116	606357.499	3472502.035	4832.06	7/14/11	73.86	4758.20
COB WL	593116	606357.499	3472502.035	4832.06	7/12/12	78.85	4753.21
COB WL	593116	606357.499	3472502.035	4832.06	2/5/13	82.41	4749.65
COB WL	593116	606357.499	3472502.035	4832.06	7/25/13	81.36	4750.70

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Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
COB WL	593116	606357.499	3472502.035	4832.06	7/9/14	78.12	4753.94
COB WL	593116	606357.499	3472502.035	4832.06	2/4/15	58.14	4773.92
COB WL	593116	606357.499	3472502.035	4832.06	7/27/15	80.09	4751.97
COB WL	593116	606357.499	3472502.035	4832.06	1/11/16	81.72	4750.34
COB WL	593116	606357.499	3472502.035	4832.06	7/20/16	84.80	4747.26
COB WL	593116	606357.499	3472502.035	4832.06	1/25/17	87.06	4745.00
COB WL	593116	606357.499	3472502.035	4832.06	7/14/17	89.96	4742.10
COB WL	593116	606357.499	3472502.035	4832.06	1/11/18	89.87	4742.19
COB WL	593116	606357.499	3472502.035	4832.06	7/9/18	91.48	4740.58
COB WL	593116	606357.499	3472502.035	4832.06	1/7/19	91.73	4740.33
COB WL	593116	606357.499	3472502.035	4832.06	7/15/19	92.89	4739.17
COB WL	593116	606357.499	3472502.035	4832.06	1/7/20	93.72	4738.34
COB WL	593116	606357.499	3472502.035	4832.06	8/4/20	94.79	4737.27
COB WL	593116	606357.499	3472502.035	4832.06	1/6/21	95.93	4736.13
COB WL	593116	606357.499	3472502.035	4832.06	7/12/21	97.54	4734.52
COB WL	593116	606357.499	3472502.035	4832.06	8/3/22	98.70	4733.36
COB WL	593116	606357.499	3472502.035	4832.06	2/1/23	101.62	4730.44
COB WL	593116	606357.499	3472502.035	4832.06	8/10/23	103.21	4728.85
COB WL	593116	606357.499	3472502.035	4832.06	2/14/24	105.63	4726.43
COB WL	593116	606357.499	3472502.035	4832.06	8/14/24	107	4725.06
COB WL	593116	606357.499	3472502.035	4832.06	2/12/25	108.56	4723.50
COB WL	593116	606357.499	3472502.035	4832.06	8/20/25	110.08	4721.98
COLLINS	565260	602551.283	3471341.357	4733.72	2/12/08	289.47	4444.25
COLLINS	565260	602551.283	3471341.357	4733.72	5/29/08	288.53	4445.19
COLLINS	565260	602551.283	3471341.357	4733.72	7/31/08	290.08	4443.64
COLLINS	565260	602551.283	3471341.357	4733.72	10/20/08	290.15	4443.57
COLLINS	565260	602551.283	3471341.357	4733.72	4/21/09	290.66	4443.06
COLLINS	565260	602551.283	3471341.357	4733.72	7/20/09	290.78	4442.94
COLLINS	565260	602551.283	3471341.357	4733.72	10/20/09	290.52	4443.20
COLLINS	565260	602551.283	3471341.357	4733.72	2/2/10	291.64	4442.08
COLLINS	565260	602551.283	3471341.357	4733.72	4/23/10	291.96	4441.76
COLLINS	565260	602551.283	3471341.357	4733.72	7/20/10	292.21	4441.51
COOPER 988	232988	602200.984	3471719.987	4748.95	7/16/21	326.57	4422.38
COOPER 988	232988	602200.984	3471719.987	4748.95	1/28/22	326.10	4422.85
COOPER 988	232988	602200.984	3471719.987	4748.95	7/8/22	327.23	4421.72
COOPER 988	232988	602200.984	3471719.987	4748.95	1/24/23	328.44	4420.51
COOPER 988	232988	602200.984	3471719.987	4748.95	7/19/23	327.83	4421.12
COOPER 988	232988	602201	3471720	4748.95	1/22/24	328.13	4420.82
COOPER 988	232988	602201	3471720	4748.95	8/5/24	328.94	4420.01
COOPER 988	232988	602201	3471720	4748.95	2/5/25	329.18	4419.77
COOPER 988	232988	602201	3471720	4748.95	7/11/25	353.61	4395.34
COOPER C	637069	601350	3468913	4599.14	3/4/08	155.08	4444.06
COOPER C	637069	601350	3468913	4599.14	5/5/08	155.34	4443.80
COOPER C	637069	601350	3468913	4599.14	7/15/08	156.01	4443.13
COOPER C	637069	601350	3468913	4599.14	10/16/08	155.85	4443.29
COOPER C	637069	601350	3468913	4599.14	1/27/09	155.62	4443.52
COOPER C	637069	601350	3468913	4599.14	4/14/09	155.86	4443.28
COOPER C	637069	601350	3468913	4599.14	7/14/09	156.50	4442.64
COOPER C	637069	601350	3468913	4599.14	10/12/09	156.89	4442.25
COOPER C	637069	601350	3468913	4599.14	1/27/10	157.03	4442.11
COOPER C	637069	601349.985	3468913.044	4599.14	4/22/10	157.31	4441.83
COOPER C	637069	601349.985	3468913.044	4599.14	7/21/10	158.00	4441.14
COOPER C	637069	601349.985	3468913.044	4599.14	10/20/10	158.41	4440.73
COOPER C	637069	601349.985	3468913.044	4599.14	1/17/11	158.37	4440.77

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Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
COOPER C	637069	601349.985	3468913.044	4599.14	4/11/11	158.74	4440.40
COOPER C	637069	601349.985	3468913.044	4599.14	8/26/11	159.51	4439.63
COOPER C	637069	601349.985	3468913.044	4599.14	10/13/11	159.81	4439.33
COOPER C	637069	601349.985	3468913.044	4599.14	2/1/12	159.80	4439.34
COOPER C	637069	601349.985	3468913.044	4599.14	4/25/12	160.26	4438.88
COOPER C	637069	601349.985	3468913.044	4599.14	7/12/12	160.88	4438.26
COOPER C	637069	601349.985	3468913.044	4599.14	10/10/12	161.10	4438.04
COOPER C	637069	601349.985	3468913.044	4599.14	2/27/13	161.40	4437.74
COOPER C	637069	601349.985	3468913.044	4599.14	5/8/13	161.70	4437.44
COOPER C	637069	601349.985	3468913.044	4599.14	8/13/13	162.07	4437.07
COOPER C	637069	601349.985	3468913.044	4599.14	11/1/13	162.23	4436.91
COOPER C	637069	601349.985	3468913.044	4599.14	2/10/14	161.90	4437.24
COOPER C	637069	601349.985	3468913.044	4599.14	5/7/14	162.63	4436.51
COOPER C	637069	601349.985	3468913.044	4599.14	7/21/14	162.67	4436.47
COOPER C	637069	601349.985	3468913.044	4599.14	11/13/14	162.48	4436.66
COOPER C	637069	601349.985	3468913.044	4599.14	5/19/15	162.14	4437.00
COOPER C	637069	601349.985	3468913.044	4599.14	9/10/15	162.14	4437.00
COOPER C	637069	601349.985	3468913.044	4599.14	10/21/15	162.17	4436.97
COOPER C	637069	601349.985	3468913.044	4599.14	3/16/16	161.76	4437.38
COOPER C	637069	601349.985	3468913.044	4599.14	8/18/16	162.78	4436.36
COOPER C	637069	601349.985	3468913.044	4599.14	7/13/17	162.68	4436.46
COOPER C	637069	601349.985	3468913.044	4599.14	2/5/18	163.66	4435.48
COOPER C	637069	601349.985	3468913.044	4599.14	7/25/18	164.42	4434.72
COOPER C	637069	601349.985	3468913.044	4599.14	1/28/19	164.72	4434.42
COOPER C	637069	601349.985	3468913.044	4599.14	8/19/19	165.43	4433.71
COOPER C	637069	601349.985	3468913.044	4599.14	8/17/20	165.98	4433.16
COOPER C	637069	601349.985	3468913.044	4599.14	3/15/21	166.65	4432.49
COOPER C	637069	601349.985	3468913.044	4599.14	7/27/21	167.22	4431.92
COOPER C	637069	601349.985	3468913.044	4599.14	3/9/22	167.82	4431.32
COOPER C	637069	601349.985	3468913.044	4599.14	7/25/22	168.15	4430.99
COOPER C	637069	601349.985	3468913.044	4599.14	9/12/23	168.79	4430.35
COOPER C	637069	601349.985	3468913.044	4599.14	3/19/24	169.61	4429.53
COOPER C	637069	601349.985	3468913.044	4599.14	8/28/24	DRY	DRY
COOPER C	637069	601349.985	3468913.044	4599.14	9/2/25	DRY	DRY
DODSON	644927	605594.56	3469063.772	4686.34	5/12/08	81.38	4604.96
DODSON	644927	605594.56	3469063.772	4686.34	7/24/08	82.20	4604.14
DODSON	644927	605594.56	3469063.772	4686.34	10/13/08	81.82	4604.52
DODSON	644927	605594.56	3469063.772	4686.34	1/22/09	82.33	4604.01
DODSON	644927	605594.56	3469063.772	4686.34	4/9/09	82.84	4603.50
DODSON	644927	605594.56	3469063.772	4686.34	7/8/09	86.88	4599.46
DODSON	644927	605594.56	3469063.772	4686.34	10/6/09	87.27	4599.07
DODSON	644927	605594.56	3469063.772	4686.34	1/21/10	88.54	4597.80
DODSON	644927	605594.56	3469063.772	4686.34	4/19/10	89.53	4596.81
DODSON	644927	605594.56	3469063.772	4686.34	7/20/10	90.79	4595.55
DODSON	644927	605594.56	3469063.772	4686.34	10/18/10	90.33	4596.01
DODSON	644927	605594.56	3469063.772	4686.34	1/19/11	90.34	4596.00
DODSON	644927	605594.56	3469063.772	4686.34	4/5/11	91.05	4595.29
DODSON	644927	605594.56	3469063.772	4686.34	7/12/11	92.07	4594.27
DODSON	644927	605594.56	3469063.772	4686.34	10/10/11	93.11	4593.23
DODSON	644927	605594.56	3469063.772	4686.34	1/31/12	93.68	4592.66
DODSON	644927	605594.56	3469063.772	4686.34	4/12/12	94.19	4592.15
DODSON	644927	605594.56	3469063.772	4686.34	10/4/12	97.80	4588.54
DODSON	644927	605594.560	3469063.772	4686.34	1/18/13	99.73	4586.61
DODSON	644927	605594.560	3469063.772	4686.34	4/9/13	98.09	4588.25

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Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
DODSON	644927	605594.560	3469063.772	4686.34	7/9/13	98.38	4587.96
DODSON	644927	605594.560	3469063.772	4686.34	10/9/13	92.69	4593.65
DODSON	644927	605594.560	3469063.772	4686.34	1/9/14	93.21	4593.13
DODSON	644927	605594.560	3469063.772	4686.34	4/15/14	94.64	4591.70
DODSON	644927	605594.560	3469063.772	4686.34	7/14/14	95.43	4590.91
DODSON	644927	605594.560	3469063.772	4686.34	10/16/14	97.22	4589.12
DODSON	644927	605594.560	3469063.772	4686.34	1/26/15	95.81	4590.53
DODSON	644927	605594.560	3469063.772	4686.34	7/23/15	97.32	4589.02
DODSON	644927	605594.560	3469063.772	4686.34	1/12/16	99.34	4587.00
DODSON	644927	605594.560	3469063.772	4686.34	7/18/16	103.91	4582.43
DODSON	644927	605594.560	3469063.772	4686.34	7/17/17	103.07	4583.27
DODSON	644927	605594.560	3469063.772	4686.34	1/17/18	101.44	4584.90
DODSON	644927	605594.560	3469063.772	4686.34	7/30/18	117.18	4569.16
DODSON	644927	605594.560	3469063.772	4686.34	1/15/19	105.08	4581.26
DODSON	644927	605594.560	3469063.772	4686.34	7/9/19	104.16	4582.18
DODSON	644927	605594.560	3469063.772	4686.34	1/15/20	101.82	4584.52
DODSON	644927	605594.560	3469063.772	4686.34	8/13/20	99.10	4587.24
DODSON	644927	605594.560	3469063.772	4686.34	1/11/21	99.72	4586.62
DODSON	644927	605594.560	3469063.772	4686.34	7/21/21	101.04	4585.30
DODSON	644927	605594.560	3469063.772	4686.34	1/28/22	99.68	4586.66
DODSON	644927	605594.560	3469063.772	4686.34	7/6/22	99.22	4587.12
DODSON	644927	605594.560	3469063.772	4686.34	1/23/23	102.36	4583.98
DODSON	644927	605594.560	3469063.772	4686.34	7/25/23	100.47	4585.87
DODSON	644927	605594.560	3469063.772	4686.34	1/17/24	99.69	4586.65
DODSON	644927	605594.560	3469063.772	4686.34	7/30/24	98.54	4587.80
DODSON	644927	605594.560	3469063.772	4686.34	2/6/25	99.50	4586.84
DODSON	644927	605594.560	3469063.772	4686.34	7/16/25	100.98	4585.36
DOUGLASS 791	592791	607632.990	3470222.695	4703.27	2/13/08	22.11	4681.16
DOUGLASS 791	592791	607632.990	3470222.695	4703.27	5/13/08	24.60	4678.67
DOUGLASS 791	592791	607632.990	3470222.695	4703.27	7/22/08	27.00	4676.27
DOUGLASS 791	592791	607632.990	3470222.695	4703.27	10/16/08	23.60	4679.67
DOUGLASS 791	592791	607632.990	3470222.695	4703.27	1/19/09	26.51	4676.76
DOUGLASS 791	592791	607632.990	3470222.695	4703.27	4/8/09	28.53	4674.74
DOUGLASS 791	592791	607632.990	3470222.695	4703.27	7/7/09	31.04	4672.23
DOUGLASS 791	592791	607632.990	3470222.695	4703.27	10/5/09	31.49	4671.78
DOUGLASS 791	592791	607632.990	3470222.695	4703.27	1/21/10	34.55	4668.72
DOUGLASS 791	592791	607632.990	3470222.695	4703.27	4/19/10	36.40	4666.87
DOUGLASS 791	592791	607632.990	3470222.695	4703.27	7/12/10	36.74	4666.53
DOUGLASS 791	592791	607632.990	3470222.695	4703.27	1/18/11	25.96	4677.31
DOUGLASS 791	592791	607632.990	3470222.695	4703.27	1/30/12	27.72	4675.55
DOUGLASS 791	592791	607632.990	3470222.695	4703.27	4/11/12	29.99	4673.28
DOUGLASS 791	592791	607632.990	3470222.695	4703.27	7/5/12	32.67	4670.60
DOUGLASS 791	592791	607632.990	3470222.695	4703.27	1/9/13	27.24	4676.03
DOUGLASS 791	592791	607632.990	3470222.695	4703.27	7/8/13	32.70	4670.57
DOUGLASS 791	592791	607632.990	3470222.695	4703.27	1/6/14	23.56	4679.71
DOUGLASS 791	592791	607632.990	3470222.695	4703.27	7/7/14	28.22	4675.05
DOUGLASS 791	592791	607632.990	3470222.695	4703.27	7/20/15	30.86	4672.41
DOUGLASS 791	592791	607632.990	3470222.695	4703.27	7/11/16	32.09	4671.18
DOUGLASS 791	592791	607632.990	3470222.695	4703.27	7/13/17	31.58	4671.69
DOUGLASS 791	592791	607632.990	3470222.695	4703.27	8/1/18	36.48	4666.79
DOUGLASS 791	592791	607632.990	3470222.695	4703.27	7/11/19	27.35	4675.92
DOUGLASS 791	592791	607632.990	3470222.695	4703.27	8/14/20	27.69	4675.58
DOUGLASS 791	592791	607632.990	3470222.695	4703.27	7/19/21	32.38	4670.89
DOUGLASS 791	592791	607632.990	3470222.695	4703.27	7/8/22	37.92	4665.35

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Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	2/13/08	87.76	4593.97
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	5/13/08	87.21	4594.52
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	7/22/08	86.90	4594.83
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	10/16/08	86.45	4595.28
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	1/20/09	86.26	4595.47
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	4/8/09	86.04	4595.69
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	7/7/09	86.16	4595.57
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	10/5/09	86.19	4595.54
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	1/21/10	86.45	4595.28
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	4/19/10	87.19	4594.54
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	7/12/10	87.55	4594.18
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	1/18/11	87.8	4593.93
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	7/12/11	88.38	4593.35
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	1/30/12	88.92	4592.81
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	4/11/12	89.18	4592.55
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	7/5/12	95.64	4586.09
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	1/9/13	82.60	4599.13
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	7/8/13	83.66	4598.07
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	1/6/14	83.55	4598.18
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	7/7/14	82.43	4599.30
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	7/20/15	82.57	4599.16
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	7/11/16	83.48	4598.25
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	7/13/17	84.43	4597.30
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	8/1/18	85.76	4595.97
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	7/11/19	85.39	4596.34
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	8/14/20	85.28	4596.45
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	7/19/21	86.15	4595.58
DOUGLASS 792	592792	607607.536	3469829.130	4681.73	7/8/22	87.30	4594.43
EAST	599796	607076.362	3468712.227	4626.01	2/8/08	50.20	4575.81
EAST	599796	607076.362	3468712.227	4626.01	5/14/08	52.45	4573.56
EAST	599796	607076.362	3468712.227	4626.01	7/23/08	52.16	4573.85
EAST	599796	607076.362	3468712.227	4626.01	10/14/08	52.19	4573.82
EAST	599796	607076.362	3468712.227	4626.01	1/20/09	50.52	4575.49
EAST	599796	607076.362	3468712.227	4626.01	4/8/09	51.91	4574.10
EAST	599796	607076.362	3468712.227	4626.01	7/13/09	56.93	4569.08
EAST	599796	607076.362	3468712.227	4626.01	10/8/09	60.95	4565.06
EAST	599796	607076.362	3468712.227	4626.01	1/25/10	59.35	4566.66
EAST	599796	607076.362	3468712.227	4626.01	4/21/10	58.88	4567.13
EAST	599796	607076.362	3468712.227	4626.01	7/14/10	61.86	4564.15
EAST	599796	607076.362	3468712.227	4626.01	10/20/10	61.20	4564.81
EAST	599796	607076.362	3468712.227	4626.01	1/18/11	59.79	4566.22
EAST	599796	607076.362	3468712.227	4626.01	4/5/11	59.73	4566.28
EAST	599796	607076.362	3468712.227	4626.01	7/12/11	63.79	4562.22
EAST	599796	607076.362	3468712.227	4626.01	10/12/11	63.64	4562.37
EAST	599796	607076.362	3468712.227	4626.01	1/31/12	63.82	4562.19
EAST	599796	607076.362	3468712.227	4626.01	4/11/12	65.72	4560.29
EAST	599796	607076.362	3468712.227	4626.01	7/9/12	70.50	4555.51
EAST	599796	607076.362	3468712.227	4626.01	10/4/12	73.34	4552.67
EAST	599796	607076.362	3468712.227	4626.01	1/17/13	75.04	4550.97
EAST	599796	607076.362	3468712.227	4626.01	4/9/13	78.05	4547.96
EAST	599796	607076.362	3468712.227	4626.01	7/9/13	78.37	4547.64
EAST	599796	607076.362	3468712.227	4626.01	10/15/13	72.38	4553.63
EAST	599796	607076.362	3468712.227	4626.01	1/14/14	71.88	4554.13
EAST	599796	607076.362	3468712.227	4626.01	4/8/14	71.03	4554.98

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
EAST	599796	607076.362	3468712.227	4626.01	7/8/14	72.03	4553.98
EAST	599796	607076.362	3468712.227	4626.01	10/22/14	67.75	4558.26
EAST	599796	607076.362	3468712.227	4626.01	7/24/15	74.64	4551.37
EAST	599796	607076.362	3468712.227	4626.01	7/12/16	65.02	4560.99
EAST	599796	607076.362	3468712.227	4626.01	7/27/17	67.11	4558.90
EAST	599796	607076.362	3468712.227	4626.01	7/30/18	77.95	4548.06
EAST	599796	607076.362	3468712.227	4626.01	7/17/19	79.28	4546.73
EAST	599796	607076.362	3468712.227	4626.01	8/13/20	77.26	4548.75
EAST	599796	607076.362	3468712.227	4626.01	7/23/21	78.88	4547.13
EAST	599796	607076.362	3468712.227	4626.01	7/7/22	78.45	4547.56
EAST	599796	607076.362	3468712.227	4626.01	7/27/23	78.60	4547.41
EAST	599796	607076.362	3468712.227	4626.01	7/31/24	79.53	4546.48
EAST	599796	607076.362	3468712.227	4626.01	8/22/25	85.85	4540.16
ECHAVE	219449	599700.997	3470167.092	4648	2/1/12	216.71	4431.29
ECHAVE	219449	599700.997	3470167.092	4648	1/18/13	218.41	4429.59
ECHAVE	219449	599700.997	3470167.092	4648	7/28/17	220.49	4427.51
ECHAVE	219449	599700.997	3470167.092	4648	2/23/18	219.94	4428.06
ECHAVE	219449	599700.997	3470167.092	4648	7/17/18	220.37	4427.63
ECHAVE	219449	599700.997	3470167.092	4648	1/15/19	220.49	4427.51
ECHAVE	219449	599700.997	3470167.092	4648	7/23/19	220.93	4427.07
ECHAVE	219449	599700.997	3470167.092	4648	1/21/20	221.16	4426.84
ECHAVE	219449	599700.997	3470167.092	4648	8/10/20	221.50	4426.50
ECHAVE	219449	599700.997	3470167.092	4648	1/5/21	222.04	4425.96
ECHAVE	219449	599700.997	3470167.092	4648	7/21/21	222.59	4425.41
ECHAVE	219449	599700.997	3470167.092	4648	1/26/22	222.93	4425.07
ECHAVE	219449	599700.997	3470167.092	4648	7/21/23	224.03	4423.97
ECHAVE	219449	599700.997	3470167.092	4648	1/18/24	224.84	4423.16
ECHAVE	219449	599700.997	3470167.092	4648	7/25/24	225.55	4422.45
ECHAVE	219449	599700.997	3470167.092	4648	1/27/25	226.15	4421.85
ECHAVE	219449	599700.997	3470167.092	4648	7/10/25	226.76	4421.24
EPPELE 641	805641	607165.347	3469229.956	4642.86	3/11/08	29.52	4613.34
EPPELE 641	805641	607165.347	3469229.956	4642.86	5/12/08	30.64	4612.22
EPPELE 641	805641	607165.347	3469229.956	4642.86	7/21/08	25.59	4617.27
EPPELE 641	805641	607165.347	3469229.956	4642.86	10/14/08	24.53	4618.33
EPPELE 641	805641	607165.347	3469229.956	4642.86	1/21/09	27.35	4615.51
EPPELE 641	805641	607165.347	3469229.956	4642.86	4/8/09	29.08	4613.78
EPPELE 641	805641	607165.347	3469229.956	4642.86	7/9/09	31.51	4611.35
EPPELE 641	805641	607165.347	3469229.956	4642.86	10/7/09	29.92	4612.94
EPPELE 641	805641	607165.347	3469229.956	4642.86	7/20/10	50.38	4592.48
EPPELE 641	805641	607165.347	3469229.956	4642.86	10/20/10	48.88	4593.98
EPPELE 641	805641	607165.347	3469229.956	4642.86	1/17/11	51.13	4591.73
EPPELE 641	805641	607165.347	3469229.956	4642.86	4/5/11	53.81	4589.05
EPPELE 641	805641	607165.347	3469229.956	4642.86	7/11/11	56.82	4586.04
EPPELE 641	805641	607165.347	3469229.956	4642.86	10/12/11	37.62	4605.24
EPPELE 641	805641	607165.347	3469229.956	4642.86	1/31/12	46.80	4596.06
EPPELE 641	805641	607165.347	3469229.956	4642.86	4/11/12	52.07	4590.79
EPPELE 641	805641	607165.347	3469229.956	4642.86	7/6/12	62.39	4580.47
EPPELE 641	805641	607165.347	3469229.956	4642.86	10/3/12	71.66	4571.20
EPPELE 641	805641	607165.347	3469229.956	4642.86	1/17/13	59.73	4583.13
EPPELE 641	805641	607165.347	3469229.956	4642.86	4/8/13	83.98	4558.88
EPPELE 641	805641	607165.347	3469229.956	4642.86	7/9/13	92.84	4550.02
EPPELE 641	805641	607165.347	3469229.956	4642.86	10/15/13	28.50	4614.36
EPPELE 641	805641	607165.347	3469229.956	4642.86	1/14/14	49.32	4593.54
EPPELE 641	805641	607165.347	3469229.956	4642.86	4/8/14	52.03	4590.83

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
EPPELE 641	805641	607165.347	3469229.956	4642.86	7/8/14	66.62	4576.24
EPPELE 641	805641	607165.347	3469229.956	4642.86	10/21/14	24.56	4618.30
EPPELE 641	805641	607165.347	3469229.956	4642.86	7/24/15	41.32	4601.54
EPPELE 641	805641	607165.347	3469229.956	4642.86	7/12/16	38.41	4604.45
EPPELE 641	805641	607165.347	3469229.956	4642.86	7/27/17	48.58	4594.28
EPPELE 641	805641	607165.347	3469229.956	4642.86	7/31/18	62.29	4580.57
EPPELE 641	805641	607165.347	3469229.956	4642.86	7/19/19	29.30	4613.56
EPPELE 641	805641	607165.347	3469229.956	4642.86	2/8/22	28.02	4614.84
EPPELE 641	805641	607165.347	3469229.956	4642.86	1/11/23	25.48	4617.38
FRANCO 101	500101	602849.902	3468835.683	4636.75	4/10/13	196.05	4440.70
FRANCO 101	500101	602849.902	3468835.683	4636.75	7/10/13	196.19	4440.56
FRANCO 101	500101	602849.9021	3468835.683	4636.75	10/16/13	196.65	4440.10
FRANCO 101	500101	602849.9021	3468835.683	4636.75	1/14/14	196.77	4439.98
FRANCO 101	500101	602849.9021	3468835.683	4636.75	4/8/14	196.86	4439.89
FRANCO 101	500101	602849.9021	3468835.683	4636.75	7/14/14	197.08	4439.67
FRANCO 101	500101	602849.9021	3468835.683	4636.75	10/8/14	197.91	4438.84
FRANCO 383	221383	602817.854	3468831.563	4636.88	9/13/12	195.19	4441.69
FRANCO 383	221383	602817.854	3468831.563	4636.88	10/5/12	195.00	4441.88
FRANCO 383	221383	602817.854	3468831.563	4636.88	12/3/12	196.70	4440.18
FRANCO 383	221383	602817.854	3468831.563	4636.88	1/15/13	196.30	4440.58
FRANCO 383	221383	602817.854	3468831.563	4636.88	2/6/13	195.62	4441.26
FRANCO 383	221383	602817.854	3468831.563	4636.88	3/7/13	196.20	4440.68
FRANCO 383	221383	602817.854	3468831.563	4636.88	4/10/13	196.25	4440.63
FRANCO 383	221383	602817.854	3468831.563	4636.88	7/10/13	196.13	4440.75
FRANCO 383	221383	602817.854	3468831.563	4636.88	10/16/13	196.30	4440.58
FRANCO 383	221383	602817.854	3468831.563	4636.88	1/14/14	196.46	4440.42
FRANCO 383	221383	602817.854	3468831.563	4636.88	4/8/14	196.89	4439.99
FRANCO 383	221383	602817.854	3468831.563	4636.88	7/14/14	196.87	4440.01
FRANCO 383	221383	602817.854	3468831.563	4636.88	10/8/14	196.86	4440.02
FRANCO 383	221383	602817.854	3468831.563	4636.88	7/27/15	198.11	4438.77
FRANCO 383	221383	602817.854	3468831.563	4636.88	7/18/16	197.32	4439.56
FRANCO 383	221383	602817.854	3468831.563	4636.88	7/20/17	198.37	4438.51
FRANCO 383	221383	602817.854	3468831.563	4636.88	7/27/18	198.73	4438.15
FRANCO 383	221383	602817.854	3468831.563	4635.79	7/24/19	199.56	4436.23
FRANCO 383	221383	602817.854	3468831.563	4635.79	8/12/20	200.58	4435.21
FRANCO 383	221383	602817.854	3468831.563	4635.79	7/22/21	200.62	4435.17
FRANCO 383	221383	602817.854	3468831.563	4635.79	7/7/22	203.32	4432.47
FRANCO 383	221383	602817.854	3468831.563	4635.79	7/27/23	202.65	4433.14
FRANCO 383	221383	602817.854	3468831.563	4635.79	7/16/25	204.45	4431.34
FULTZ	212447	607153.306	3469063.892	4642.92	10/22/08	40.59	4602.33
FULTZ	212447	607153.306	3469063.892	4642.92	1/21/09	40.66	4602.26
FULTZ	212447	607153.306	3469063.892	4642.92	4/9/09	42.88	4600.04
FULTZ	212447	607153.306	3469063.892	4642.92	7/13/09	54.94	4587.98
FULTZ	212447	607153.306	3469063.892	4642.92	10/8/09	56.16	4586.76
FULTZ	212447	607153.306	3469063.892	4642.92	1/25/10	53.45	4589.47
FULTZ	212447	607153.306	3469063.892	4642.92	4/20/10	63.82	4579.10
FULTZ	212447	607153.306	3469063.892	4642.92	7/14/10	119.86	4523.06
FULTZ	212447	607153.306	3469063.892	4642.92	9/11/24	250.11	4392.81
GARNER 557	558557	602693.516	3468974.152	4638.45	2/21/08	191.05	4447.40
GARNER 557	558557	602693.516	3468974.152	4638.45	5/5/08	191.28	4447.17
GARNER 557	558557	602693.5162	3468974.152	4638.45	7/15/08	191.44	4447.01
GARNER 557	558557	602693.5162	3468974.152	4638.45	10/16/08	191.83	4446.62
GARNER 557	558557	602693.5162	3468974.152	4638.45	1/28/09	191.92	4446.53
GARNER 557	558557	602693.5162	3468974.152	4638.45	4/15/09	192.09	4446.36

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
GARNER 557	558557	602693.5162	3468974.152	4638.45	7/16/09	192.52	4445.93
GARNER 557	558557	602693.5162	3468974.152	4638.45	10/14/09	192.82	4445.63
GARNER 557	558557	602693.5162	3468974.152	4638.45	2/2/10	193.33	4445.12
GARNER 557	558557	602693.5162	3468974.152	4638.45	4/22/10	193.49	4444.96
GARNER 557	558557	602693.5162	3468974.152	4638.45	7/20/10	193.93	4444.52
GARNER 557	558557	602693.516	3468974.152	4638.45	10/19/10	194.29	4444.16
GARNER 557	558557	602693.516	3468974.152	4638.45	1/19/11	194.61	4443.84
GARNER 557	558557	602693.516	3468974.152	4638.45	4/6/11	194.86	4443.59
GARNER 557	558557	602693.516	3468974.152	4638.45	7/15/11	195.25	4443.20
GARNER 557	558557	602693.516	3468974.152	4638.45	10/11/11	195.72	4442.73
GARNER 557	558557	602693.516	3468974.152	4638.45	2/2/12	196.09	4442.36
GARNER 557	558557	602693.516	3468974.152	4638.45	4/13/12	196.30	4442.15
GARNER 557	558557	602693.516	3468974.152	4638.45	7/11/12	196.72	4441.73
GARNER 557	558557	602693.516	3468974.152	4638.45	10/5/12	197.08	4441.37
GARNER 557	558557	602693.516	3468974.152	4638.45	1/11/13	197.51	4440.94
GARNER 557	558557	602693.516	3468974.152	4638.45	4/15/13	197.76	4440.69
GARNER 557	558557	602693.516	3468974.152	4638.45	7/10/13	197.87	4440.58
GARNER 557	558557	602693.516	3468974.152	4638.45	10/11/13	198.27	4440.18
GARNER 557	558557	602693.516	3468974.152	4638.45	1/17/14	198.46	4439.99
GARNER 557	558557	602693.516	3468974.152	4638.45	4/15/14	198.58	4439.87
GARNER 557	558557	602693.516	3468974.152	4638.45	8/6/20	202.36	4436.09
GARNER 557	558557	602693.516	3468974.152	4638.45	1/11/21	202.85	4435.60
GARNER 557	558557	602693.516	3468974.152	4638.45	7/21/21	203.52	4434.93
GARNER 557	558557	602693.516	3468974.152	4638.45	2/1/22	204.16	4434.29
GARNER 557	558557	602693.516	3468974.152	4638.45	7/12/22	204.56	4433.89
GARNER 557	558557	602693.516	3468974.152	4638.45	1/13/23	204.94	4433.51
GARNER 557	558557	602693.516	3468974.152	4638.45	7/24/23	215.23	4423.22
GARNER 557	558557	602693.516	3468974.152	4638.45	1/17/24	205.77	4432.68
GARNER 557	558557	602693.516	3468974.152	4638.45	7/31/24	206.56	4431.89
GARNER 557	558557	602693.516	3468974.152	4638.45	1/29/25	207.15	4431.30
GARNER 557	558557	602693.516	3468974.152	4638.45	7/7/25	207.71	4430.74
GARNER 635	587635	602665.346	3468967.931	4640.74	2/4/08	193.20	4447.54
GARNER 635	587635	602665.346	3468967.931	4640.74	5/5/08	195.90	4444.84
GARNER 635	587635	602665.346	3468967.931	4640.74	7/15/08	193.58	4447.16
GARNER 635	587635	602665.346	3468967.931	4640.74	10/15/08	194.35	4446.39
GARNER 635	587635	602665.346	3468967.931	4640.74	1/28/09	194.80	4445.94
GARNER 635	587635	602665.346	3468967.931	4640.74	4/15/09	195.54	4445.20
GARNER 635	587635	602665.346	3468967.931	4640.74	7/16/09	194.88	4445.86
GARNER 635	587635	602665.346	3468967.931	4640.74	10/14/09	196.36	4444.38
GARNER 635	587635	602665.346	3468967.931	4640.74	2/2/10	195.32	4445.42
GARNER 635	587635	602665.346	3468967.931	4640.74	4/22/10	196.01	4444.73
GARNER 635	587635	602665.346	3468967.931	4640.74	8/25/10	195.57	4445.17
GARNER 635	587635	602665.346	3468967.931	4640.74	10/19/10	225.83	4414.91
GARNER 635	587635	602665.346	3468967.931	4640.74	1/19/11	196.89	4443.85
GARNER 635	587635	602665.346	3468967.931	4640.74	4/6/11	197.40	4443.34
GARNER 635	587635	602665.346	3468967.931	4640.74	7/15/11	198.07	4442.67
GARNER 635	587635	602665.346	3468967.931	4640.74	10/11/11	197.75	4442.99
GARNER 635	587635	602665.346	3468967.931	4640.74	2/2/12	199.50	4441.24
GARNER 635	587635	602665.346	3468967.931	4640.74	4/13/12	200.40	4440.34
GARNER 635	587635	602665.346	3468967.931	4640.74	7/11/12	199.15	4441.59
GARNER 635	587635	602665.346	3468967.931	4640.74	10/5/12	202.71	4438.03
GARNER 635	587635	602665.346	3468967.931	4640.74	1/11/13	199.38	4441.36
GARNER 635	587635	602665.346	3468967.931	4640.74	4/15/13	200.53	4440.21
GARNER 635	587635	602665.346	3468967.931	4640.74	7/10/13	200.13	4440.61

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
GARNER 635	587635	602665.346	3468967.931	4640.74	10/11/13	200.27	4440.47
GARNER 635	587635	602665.346	3468967.931	4640.74	1/17/14	201.83	4438.91
GARNER 635	587635	602665.346	3468967.931	4640.74	4/15/14	200.67	4440.07
GARNER 635	587635	602665.346	3468967.931	4640.74	7/26/17	202.02	4438.72
GARNER 635	587635	602665.346	3468967.931	4640.74	1/16/18	202.07	4438.67
GARNER 635	587635	602665.346	3468967.931	4640.74	7/24/18	205.65	4435.09
GARNER 635	587635	602665.346	3468967.931	4640.74	1/15/19	203.03	4437.71
GARNER 635	587635	602665.346	3468967.931	4640.74	7/15/19	208.66	4432.08
GARNER 635	587635	602665.346	3468967.931	4640.74	8/6/20	204.32	4436.42
GARNER 635	587635	602665.346	3468967.931	4640.74	7/21/21	206.36	4434.38
GARNER 635	587635	602665.346	3468967.931	4640.74	2/1/22	206.06	4434.68
GARNER 635	587635	602665.346	3468967.931	4640.74	7/12/22	206.52	4434.22
GARNER 635	587635	602665.346	3468967.931	4640.74	7/24/23	207.19	4433.55
GARNER 635	587635	602665.346	3468967.931	4640.74	7/31/24	207.43	4433.31
GARNER 635	587635	602665.346	3468967.931	4640.74	1/29/25	209.82	4430.92
GARNER 635	587635	602665.346	3468967.931	4640.74	7/7/25	209.62	4431.12
GGOOSE 547	628547	606256.651	3469820.279	4717.11	5/21/08	220.91	4496.20
GGOOSE 547	628547	606256.651	3469820.279	4717.11	8/15/08	238.48	4478.63
GGOOSE 547	628547	606256.651	3469820.279	4717.11	10/29/08	235.90	4481.21
GGOOSE 547	628547	606256.651	3469820.279	4717.11	2/24/09	236.13	4480.98
GGOOSE 547	628547	606256.651	3469820.279	4717.11	5/14/09	236.17	4480.94
GGOOSE 547	628547	606256.651	3469820.279	4717.11	8/19/09	236.01	4481.10
GGOOSE 547	628547	606256.651	3469820.279	4717.11	8/19/09	236.01	4481.10
GGOOSE 547	628547	606256.651	3469820.279	4717.11	11/11/09	237.66	4479.45
GGOOSE 547	628547	606256.651	3469820.279	4717.11	3/9/10	238.84	4478.27
GGOOSE 547	628547	606256.651	3469820.279	4717.11	4/27/10	239.17	4477.94
GL-03	539782	604386.940	3473747.943	4924.31	5/22/08	660.15	4264.16
GL-03	539782	604386.940	3473747.943	4924.31	8/4/08	659.79	4264.52
GL-03	539782	604386.940	3473747.943	4924.31	12/2/08	658.25	4266.06
GL-03	539782	604386.940	3473747.943	4924.31	2/26/09	658.62	4265.69
GL-03	539782	604386.940	3473747.943	4924.31	5/5/09	657.23	4267.08
GL-03	539782	604386.940	3473747.943	4924.31	8/12/09	656.56	4267.75
GL-03	539782	604386.940	3473747.943	4924.31	8/12/09	656.56	4267.75
GL-03	539782	604386.940	3473747.943	4924.31	11/10/09	655.31	4269.00
GL-03	539782	604386.940	3473747.943	4924.31	3/2/10	655.52	4268.79
GL-03	539782	604386.940	3473747.943	4924.31	4/9/10	655.35	4268.96
GL-03	539782	604386.940	3473747.943	4924.31	7/7/10	655.05	4269.26
GL-03	539782	604386.940	3473747.943	4924.31	2/1/12	651.72	4272.59
GOAR RANCH	610695	602454.751	3468892.471	4631.13	2/21/08	183.90	4447.23
GOAR RANCH	610695	602454.751	3468892.471	4631.13	5/5/08	188.11	4443.02
GOAR RANCH	610695	602454.751	3468892.471	4631.13	7/16/08	184.41	4446.72
GOAR RANCH	610695	602454.751	3468892.471	4631.13	10/22/08	184.68	4446.45
GOAR RANCH	610695	602454.751	3468892.471	4631.13	1/27/09	184.87	4446.26
GOAR RANCH	610695	602454.751	3468892.471	4631.13	4/15/09	184.96	4446.17
GOAR RANCH	610695	602454.751	3468892.471	4631.13	7/7/09	185.36	4445.77
GOAR RANCH	610695	602454.751	3468892.471	4631.13	10/12/09	185.72	4445.41
GOAR RANCH	610695	602454.751	3468892.471	4631.13	2/2/10	186.25	4444.88
GOAR RANCH	610695	602454.751	3468892.471	4631.13	4/22/10	186.44	4444.69
GOAR RANCH	610695	602454.751	3468892.471	4631.13	7/13/10	186.76	4444.37
GOAR RANCH	610695	602454.751	3468892.471	4631.13	1/19/11	187.52	4443.61
GOAR RANCH	610695	602454.751	3468892.471	4631.13	7/12/11	188.24	4442.89
GOAR RANCH	610695	602454.751	3468892.471	4631.13	2/6/12	189.02	4442.11
GOAR RANCH	610695	602454.751	3468892.471	4631.13	9/13/12	190.08	4441.05
GOAR RANCH	610695	602454.751	3468892.471	4631.13	1/11/13	190.48	4440.65

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
GOAR RANCH	610695	602454.751	3468892.471	4631.13	9/18/13	191.21	4439.92
GOAR RANCH	610695	602454.751	3468892.471	4631.13	1/17/14	191.48	4439.65
GOAR RANCH	610695	602454.751	3468892.471	4631.13	7/21/14	191.73	4439.40
GOAR RANCH	610695	602454.751	3468892.471	4631.13	2/2/15	191.44	4439.69
GOAR RANCH	610695	602454.751	3468892.471	4631.13	8/4/15	191.74	4439.39
GOAR RANCH	610695	602454.751	3468892.471	4631.13	1/11/16	191.68	4439.45
GOAR RANCH	610695	602454.751	3468892.471	4631.13	7/25/16	191.83	4439.30
GOAR RANCH	610695	602454.751	3468892.471	4631.13	1/17/17	192.43	4438.70
GOAR RANCH	610695	602454.751	3468892.471	4631.13	7/12/17	192.84	4438.29
GOAR RANCH	610695	602454.751	3468892.471	4631.13	1/15/18	193.12	4438.01
GOAR RANCH	610695	602454.751	3468892.471	4631.13	7/17/18	193.56	4437.57
GOAR RANCH	610695	602454.751	3468892.471	4631.13	1/7/19	194.16	4436.97
GOAR RANCH	610695	602454.751	3468892.471	4631.13	7/8/19	194.68	4436.45
GOAR RANCH	610695	602454.751	3468892.471	4631.13	1/21/20	195.19	4435.94
GOAR RANCH	610695	602454.751	3468892.471	4631.13	7/20/20	195.34	4435.79
GOAR RANCH	610695	602454.751	3468892.471	4631.13	1/5/21	195.91	4435.22
GOAR RANCH	610695	602454.751	3468892.471	4631.13	7/12/21	196.50	4434.63
GOAR RANCH	610695	602454.751	3468892.471	4631.13	1/27/22	197.19	4433.94
GOAR RANCH	610695	602454.751	3468892.471	4631.13	7/11/22	197.51	4433.62
GOAR RANCH	610695	602454.751	3468892.471	4631.13	1/24/23	198.05	4433.08
GOAR RANCH	610695	602454.751	3468892.471	4631.13	7/24/23	198.21	4432.92
GOAR RANCH	610695	602454.751	3468892.471	4631.13	1/17/24	198.94	4432.19
GOAR RANCH	610695	602454.751	3468892.471	4631.13	7/30/24	199.54	4431.59
GOAR RANCH	610695	602454.751	3468892.471	4631.13	2/5/25	200.23	4430.90
GOAR RANCH	610695	602454.751	3468892.471	4631.13	7/17/25	200.67	4430.46
HOBAN	805290	601705.844	3468880.359	4607.60	2/27/08	163.05	4444.55
HOBAN	805290	601705.844	3468880.359	4607.60	5/7/08	163.28	4444.32
HOBAN	805290	601705.844	3468880.359	4607.60	7/14/08	163.87	4443.73
HOBAN	805290	601705.844	3468880.359	4607.60	10/16/08	163.95	4443.65
HOBAN	805290	601705.844	3468880.359	4607.60	1/28/09	163.82	4443.78
HOBAN	805290	601705.844	3468880.359	4607.60	4/15/09	164.16	4443.44
HOBAN	805290	601705.844	3468880.359	4607.60	7/14/09	164.59	4443.01
HOBAN	805290	601705.844	3468880.359	4607.60	10/15/09	165.00	4442.60
HOBAN	805290	601705.844	3468880.359	4607.60	3/2/10	165.32	4442.28
HOBAN	805290	601705.844	3468880.359	4607.60	5/18/10	165.71	4441.89
HOBAN	805290	601705.844	3468880.359	4607.60	7/20/10	166.17	4441.43
HOBAN	805290	601705.844	3468880.359	4607.60	10/19/10	166.45	4441.15
HOBAN	805290	601705.844	3468880.359	4607.60	8/31/11	167.76	4439.84
HOBAN	805290	601705.844	3468880.359	4607.60	12/14/11	168.13	4439.47
HOBAN	805290	601705.844	3468880.359	4607.60	2/1/12	168.09	4439.51
HOBAN	805290	601705.844	3468880.359	4607.60	4/19/12	168.32	4439.28
HOBAN	805290	601705.844	3468880.359	4607.60	7/11/12	169.10	4438.50
HOBAN	805290	601705.844	3468880.359	4607.60	10/17/12	169.40	4438.20
HOBAN	805290	601705.844	3468880.359	4607.60	2/15/13	169.70	4437.90
HOBAN	805290	601705.844	3468880.359	4607.60	5/8/13	169.95	4437.65
HOBAN	805290	601705.844	3468880.359	4607.60	8/13/13	170.31	4437.29
HOBAN	805290	601705.844	3468880.359	4607.60	11/1/13	170.54	4437.06
HOBAN	805290	601705.844	3468880.359	4607.60	2/10/14	170.22	4437.38
HOBAN	805290	601705.844	3468880.359	4607.60	5/7/14	170.61	4436.99
HOBAN	805290	601705.844	3468880.359	4607.60	7/21/14	170.90	4436.70
HOBAN	805290	601705.844	3468880.359	4607.60	11/13/14	170.81	4436.79
HOBAN	805290	601705.844	3468880.359	4607.60	2/4/15	170.26	4437.34
HOBAN	805290	601705.844	3468880.359	4607.60	5/19/15	170.37	4437.23
HOBAN	805290	601705.844	3468880.359	4607.60	9/10/15	170.57	4437.03

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
HOBAN	805290	601705.844	3468880.359	4607.60	10/21/15	170.58	4437.02
HOBAN	805290	601705.844	3468880.359	4607.60	3/16/16	170.33	4437.27
HOBAN	805290	601705.844	3468880.359	4607.60	8/18/16	171.05	4436.55
HOBAN	805290	601705.844	3468880.359	4607.60	3/7/17	171.41	4436.19
HOBAN	805290	601705.844	3468880.359	4607.60	7/13/17	172.00	4435.60
HOBAN	805290	601705.844	3468880.359	4607.60	2/5/18	172.12	4435.48
HOBAN	805290	601705.844	3468880.359	4607.60	7/25/18	172.74	4434.86
HOBAN	805290	601705.844	3468880.359	4607.60	1/28/19	173.29	4434.31
HOBAN	805290	601705.844	3468880.359	4607.60	8/7/19	173.88	4433.72
HOBAN	805290	601705.844	3468880.359	4607.60	2/20/20	174.29	4433.31
HOBAN	805290	601705.844	3468880.359	4607.60	9/8/20	174.47	4433.13
HOBAN	805290	601705.844	3468880.359	4607.60	3/15/21	175.10	4432.50
HOBAN	805290	601705.844	3468880.359	4607.60	3/9/22	176.25	4431.35
HOBAN	805290	601705.844	3468880.359	4607.60	7/25/22	176.56	4431.04
HOBAN	805290	601705.844	3468880.359	4607.60	3/14/23	176.93	4430.67
HOBAN	805290	601705.844	3468880.359	4607.60	9/12/23	177.31	4430.29
HOBAN	805290	601705.844	3468880.359	4607.60	3/19/24	178.00	4429.60
HOBAN	805290	601705.844	3468880.359	4607.60	8/28/24	178.63	4428.97
HOBAN	805290	601705.844	3468880.359	4607.60	3/3/25	179.30	4428.30
HOBAN	805290	601705.844	3468880.359	4607.60	9/2/25	180.08	4427.52
HOWARD 312	221312	601308.536	3468772.743	4594.9356	8/14/12	188.36	4406.58
HOWARD 312	221312	601308.536	3468772.743	4594.9356	10/16/12	193.33	4401.61
HOWARD 312	221312	601308.536	3468772.743	4594.9356	2/6/13	193.74	4401.20
HOWARD 312	221312	601308.536	3468772.743	4594.9356	4/9/13	195.30	4399.64
HOWARD 312	221312	601308.536	3468772.743	4594.9356	7/12/13	198.27	4396.67
HOWARD 312	221312	601308.536	3468772.743	4594.9356	10/16/13	201.08	4393.86
HOWARD 312	221312	601308.536	3468772.743	4594.9356	1/8/14	202.61	4392.33
HOWARD 312	221312	601308.536	3468772.743	4594.9356	4/10/14	204.64	4390.30
HOWARD 312	221312	601308.536	3468772.743	4594.9356	7/14/14	206.97	4387.97
HOWARD 312	221312	601308.536	3468772.743	4594.9356	10/10/14	206.36	4388.58
HOWARD 312	221312	601308.536	3468772.743	4594.9356	5/19/15	208.08	4386.86
HOWARD 312	221312	601308.536	3468772.743	4594.9356	7/31/15	210.54	4384.40
HOWARD 312	221312	601308.536	3468772.743	4594.9356	7/27/16	207.89	4387.05
HOWARD 312	221312	601308.536	3468772.743	4594.9356	7/21/17	207.54	4387.40
HOWARD 312	221312	601308.536	3468772.743	4594.9356	7/23/18	204.95	4389.99
HOWARD 312	221312	601308.536	3468772.743	4594.9356	7/9/19	206.58	4388.36
HOWARD 312	221312	601308.536	3468772.743	4594.9356	7/21/20	205.37	4389.57
HOWARD 312	221312	601308.536	3468772.743	4594.9356	7/28/21	214.78	4380.16
HOWARD 312	221312	601308.536	3468772.743	4594.9356	7/13/22	206.32	4388.62
HOWARD 312	221312	601308.536	3468772.743	4594.9356	7/26/23	222.72	4372.22
HOWARD 312	221312	601308.536	3468772.743	4594.9356	8/7/24	236.32	4358.62
HOWARD 312	221312	601308.536	3468772.743	4594.9356	1/28/25	232.69	4362.25
HOWARD 312	221312	601308.536	3468772.743	4594.9356	7/14/25	239.38	4355.56
HOWARD NR	NR	601281.932	3468768.655	4593.91	3/4/08	150.10	4443.81
HOWARD NR	NR	601281.932	3468768.655	4593.91	5/8/08	150.70	4443.21
HOWARD NR	NR	601281.932	3468768.655	4593.91	7/14/08	150.91	4443.00
HOWARD NR	NR	601281.932	3468768.655	4593.91	10/15/08	150.67	4443.24
HOWARD NR	NR	601281.932	3468768.655	4593.91	1/28/09	150.67	4443.24
HOWARD NR	NR	601281.932	3468768.655	4593.91	4/15/09	151.15	4442.76
HOWARD NR	NR	601281.932	3468768.655	4593.91	7/15/09	151.76	4442.15
HOWARD NR	NR	601281.932	3468768.655	4593.91	10/12/09	152.08	4441.83
HOWARD NR	NR	601281.932	3468768.655	4593.91	1/27/10	152.20	4441.71
HOWARD NR	NR	601281.932	3468768.655	4593.91	4/21/10	152.30	4441.61
HOWARD NR	NR	601281.932	3468768.655	4593.91	7/19/10	153.16	4440.75

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
HOWARD NR	NR	601281.932	3468768.655	4593.91	10/18/10	153.53	4440.38
HOWARD NR	NR	601281.932	3468768.655	4593.91	1/17/11	153.51	4440.40
HOWARD NR	NR	601281.932	3468768.655	4593.91	4/11/11	154.24	4439.67
HOWARD NR	NR	601281.932	3468768.655	4593.91	8/26/11	154.79	4439.12
HOWARD NR	NR	601281.932	3468768.655	4593.91	10/11/11	155.02	4438.89
HOWARD NR	NR	601281.932	3468768.655	4593.91	2/1/12	155.08	4438.83
HOWARD NR	NR	601281.932	3468768.655	4593.91	4/13/12	155.40	4438.51
HOWARD NR	NR	601281.932	3468768.655	4593.91	9/13/12	156.29	4437.62
HOWARD NR	NR	601281.932	3468768.655	4593.91	10/16/12	156.43	4437.48
HOWARD NR	NR	601281.932	3468768.655	4593.91	2/6/13	156.27	4437.64
HOWARD NR	NR	601281.932	3468768.655	4593.91	4/9/13	156.71	4437.20
HOWARD NR	NR	601281.932	3468768.655	4593.91	7/12/13	157.18	4436.73
HOWARD NR	NR	601281.932	3468768.655	4593.91	10/16/13	157.52	4436.39
HOWARD NR	NR	601281.932	3468768.655	4593.91	1/8/14	157.16	4436.75
HOWARD NR	NR	601281.932	3468768.655	4593.91	4/10/14	157.55	4436.36
HOWARD NR	NR	601281.932	3468768.655	4593.91	7/14/14	157.92	4435.99
HOWARD NR	NR	601281.932	3468768.655	4593.91	10/10/14	157.68	4436.23
HOWARD NR	NR	601281.932	3468768.655	4593.91	2/2/15	157.11	4436.80
HOWARD NR	NR	601281.932	3468768.655	4593.91	5/19/15	157.31	4436.60
HOWARD NR	NR	601281.932	3468768.655	4593.91	7/31/15	157.58	4436.33
HOWARD NR	NR	601281.932	3468768.655	4593.91	10/8/15	157.36	4436.55
HOWARD NR	NR	601281.932	3468768.655	4593.91	1/12/16	157.01	4436.90
HOWARD NR	NR	601281.932	3468768.655	4593.91	7/27/16	157.93	4435.98
HOWARD NR	NR	601281.932	3468768.655	4593.91	1/16/17	158.23	4435.68
HOWARD NR	NR	601281.932	3468768.655	4593.91	7/21/17	158.84	4435.07
HOWARD NR	NR	601281.932	3468768.655	4593.91	1/15/18	158.86	4435.05
HOWARD NR	NR	601281.932	3468768.655	4593.91	7/23/18	159.64	4434.27
HOWARD NR	NR	601281.932	3468768.655	4593.91	1/14/19	160.18	4433.73
HOWARD NR	NR	601281.932	3468768.655	4593.91	7/9/19	160.66	4433.25
HOWARD NR	NR	601281.932	3468768.655	4593.91	1/17/20	160.96	4432.95
HOWARD NR	NR	601281.932	3468768.655	4593.91	7/21/20	161.07	4432.84
HOWARD NR	NR	601281.932	3468768.655	4593.91	1/4/21	161.71	4432.20
HOWARD NR	NR	601281.932	3468768.655	4593.91	7/28/21	162.43	4431.48
HOWARD NR	NR	601281.932	3468768.655	4593.91	1/27/22	163.01	4430.90
HOWARD NR	NR	601281.932	3468768.655	4593.91	7/13/22	163.37	4430.54
HOWARD NR	NR	601281.932	3468768.655	4593.91	1/11/23	163.60	4430.31
HOWARD NR	NR	601281.932	3468768.655	4593.91	7/25/23	163.82	4430.09
HOWARD NR	NR	601281.932	3468768.655	4593.91	1/18/24	164.69	4429.22
KEEFER	209744	599879.177	3468119.056	4572.03	2/6/08	134.67	4437.36
KEEFER	209744	599879.177	3468119.056	4572.03	5/6/08	135.28	4436.75
KEEFER	209744	599879.177	3468119.056	4572.03	7/16/08	136.24	4435.79
KEEFER	209744	599879.177	3468119.056	4572.03	10/28/08	135.87	4436.16
KEEFER	209744	599879.177	3468119.056	4572.03	1/28/09	134.88	4437.15
KEEFER	209744	599879.177	3468119.056	4572.03	4/16/09	135.00	4437.03
KEEFER	209744	599879.177	3468119.056	4572.03	7/14/09	136.07	4435.96
KEEFER	209744	599879.177	3468119.056	4572.03	10/13/09	136.67	4435.36
KEEFER	209744	599879.177	3468119.056	4572.03	1/26/10	136.26	4435.77
KEEFER	209744	599879.177	3468119.056	4572.03	4/20/10	136.26	4435.77
KEEFER	209744	599879.177	3468119.056	4572.03	7/15/10	137.29	4434.74
KEEFER	209744	599879.177	3468119.056	4572.03	10/19/10	137.68	4434.35
KEEFER	209744	599879.177	3468119.056	4572.03	1/18/11	137.42	4434.61
KEEFER	209744	599879.177	3468119.056	4572.03	4/6/11	137.91	4434.12
KEEFER	209744	599879.177	3468119.056	4572.03	7/18/11	140.39	4431.64
KEEFER	209744	599879.177	3468119.056	4572.03	10/11/11	141.68	4430.35

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
KEEFER	209744	599879.177	3468119.056	4572.03	2/6/12	139.27	4432.76
KEEFER	209744	599879.177	3468119.056	4572.03	4/23/12	139.76	4432.27
KEEFER	209744	599879.177	3468119.056	4572.03	7/17/12	140.69	4431.34
KEEFER	209744	599879.177	3468119.056	4572.03	10/9/12	141.00	4431.03
KEEFER	209744	599879.177	3468119.056	4572.03	1/10/13	140.80	4431.23
KEEFER	209744	599879.177	3468119.056	4572.03	4/8/13	141.32	4430.71
KEEFER	209744	599879.177	3468119.056	4572.03	7/11/13	141.81	4430.22
KEEFER	209744	599879.177	3468119.056	4572.03	10/7/13	141.63	4430.40
KEEFER	209744	599879.177	3468119.056	4572.03	1/7/14	141.10	4430.93
KEEFER	209744	599879.177	3468119.056	4572.03	4/9/14	140.91	4431.12
KEEFER	209744	599879.177	3468119.056	4572.03	7/10/14	141.97	4430.06
KEEFER	209744	599879.177	3468119.056	4572.03	10/8/14	141.45	4430.58
KEEFER	209744	599879.177	3468119.056	4572.03	5/19/15	140.47	4431.56
KEEFER	209744	599879.177	3468119.056	4572.03	7/21/15	140.80	4431.23
KEEFER	209744	599879.177	3468119.056	4572.03	10/8/15	140.21	4431.82
KEEFER	209744	599879.177	3468119.056	4572.03	1/14/16	139.54	4432.49
KEEFER	209744	599879.177	3468119.056	4572.03	7/25/16	143.37	4428.66
KEEFER	209744	599879.177	3468119.056	4572.03	7/25/17	142.64	4429.39
KEEFER	209744	599879.177	3468119.056	4572.03	2/23/18	142.25	4429.78
KEEFER	209744	599879.177	3468119.056	4572.03	7/9/18	143.46	4428.57
KEEFER	209744	599879.177	3468119.056	4572.03	1/11/19	144.10	4427.93
KEEFER	209744	599879.177	3468119.056	4572.03	7/10/19	144.82	4427.21
KEEFER	209744	599879.177	3468119.056	4572.03	1/17/20	144.79	4427.24
KEEFER	209744	599879.177	3468119.056	4572.03	7/22/20	145.42	4426.61
KEEFER	209744	599879.177	3468119.056	4572.03	1/12/21	146.11	4425.92
KEEFER	209744	599879.177	3468119.056	4572.03	7/13/21	146.78	4425.25
KEEFER	209744	599879.177	3468119.056	4572.03	1/25/22	147.14	4424.89
KEEFER	209744	599879.177	3468119.056	4572.03	7/7/22	147.47	4424.56
KEEFER	209744	599879.177	3468119.056	4572.03	1/24/23	147.49	4424.54
KEEFER	209744	599879.177	3468119.056	4572.03	7/19/23	148.30	4423.73
KEEFER	209744	599879.177	3468119.056	4572.03	1/17/24	149.45	4422.58
KEEFER	209744	599879.177	3468119.056	4572.03	7/25/24	150.06	4421.97
KEEFER	209744	599879.177	3468119.056	4572.03	2/4/25	150.52	4421.51
KEEFER	209744	599879.177	3468119.056	4572.03	7/8/25	151.41	4420.62
LADD 251	520251	594788.933	3470348.534	4443.83	3/22/13	221.32	4222.51
LADD 251	520251	594788.933	3470348.534	4443.83	6/14/13	221.78	4222.05
LADD 251	520251	594788.933	3470348.534	4443.83	9/24/13	219.6	4224.23
LADD 251	520251	594788.933	3470348.534	4443.83	12/3/13	217.44	4226.39
LADD 251	520251	594788.933	3470348.534	4443.83	2/25/14	217.59	4226.24
LADD 251	520251	594788.933	3470348.534	4443.83	6/4/14	218.27	4225.56
LADD 251	520251	594788.933	3470348.534	4443.83	9/10/14	219.04	4224.79
LADD 251	520251	594788.933	3470348.534	4443.83	11/20/14	213.58	4230.25
LADD 251	520251	594788.933	3470348.534	4443.83	3/24/15	214.18	4229.65
LADD 251	520251	594788.933	3470348.534	4443.83	9/17/15	216.39	4227.44
LADD 251	520251	594788.933	3470348.534	4443.83	3/24/16	217.85	4225.98
LADD 251	520251	594788.933	3470348.534	4443.83	9/28/16	219.8	4224.03
LADD 251	520251	594788.933	3470348.534	4443.83	3/20/17	220.91	4222.92
LADD 251	520251	594788.9331	3470348.534	4443.83	8/10/17	222.12	4221.71
LADD 251	520251	594788.933	3470348.534	4443.83	3/8/18	222.94	4220.89
LADD 251	520251	594788.933	3470348.534	4443.83	8/22/18	223.64	4220.19
LADD 251	520251	594788.933	3470348.534	4443.83	2/14/19	224.29	4219.54
LADD 251	520251	594788.933	3470348.534	4443.83	9/9/19	225.05	4218.78
LADD 251	520251	594788.933	3470348.534	4443.83	2/27/20	225.45	4218.38
LADD 251	520251	594788.933	3470348.534	4443.83	8/25/20	225.33	4218.50

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
LADD 251	520251	594788.933	3470348.534	4443.83	3/23/21	225.80	4218.03
LADD 251	520251	594788.933	3470348.534	4443.83	9/20/21	226.48	4217.35
LADD 251	520251	594788.933	3470348.534	4443.83	3/14/22	225.62	4218.21
LADD 251	520251	594788.933	3470348.534	4443.83	9/22/22	225.65	4218.18
LADD 251	520251	594788.933	3470348.534	4443.83	3/14/23	222.70	4221.13
LADD 251	520251	594788.933	3470348.534	4443.83	9/19/23	222.32	4221.51
LADD 251	520251	594788.933	3470348.534	4443.83	3/20/24	222.92	4220.91
LADD 251	520251	594788.933	3470348.534	4443.83	9/26/24	223.95	4219.88
LADD 251	520251	594788.933	3470348.534	4443.83	3/6/25	224.55	4219.28
LADD 251	520251	594788.933	3470348.534	4443.83	9/17/25	225.65	4218.18
LADD 538	505538	596791.294	3469634.882	4527.05	2/9/10	253.10	4273.95
LADD 538	505538	596791.294	3469634.882	4527.05	4/28/10	253.83	4273.22
LADD 538	505538	596791.294	3469634.882	4527.05	7/28/10	254.05	4273.00
LADD 538	505538	596791.294	3469634.882	4527.05	12/8/10	252.87	4274.18
LADD 538	505538	596791.294	3469634.882	4527.05	3/17/11	252.76	4274.29
LADD 538	505538	596791.294	3469634.882	4527.05	6/24/11	288.00	4239.05
LADD 538	505538	596791.294	3469634.882	4527.05	9/29/11	276.58	4250.47
LADD 538	505538	596791.294	3469634.882	4527.05	12/16/11	250.68	4276.37
LADD 538	505538	596791.294	3469634.882	4527.05	2/15/12	253.80	4273.25
LADD 538	505538	596791.294	3469634.882	4527.05	6/11/12	258.90	4268.15
LADD 538	505538	596791.294	3469634.882	4527.05	9/26/12	255.76	4271.29
LADD 538	505538	596791.294	3469634.882	4527.05	12/19/12	249.43	4277.62
LADD 538	505538	596791.294	3469634.882	4527.05	3/22/13	250.51	4276.54
LADD 538	505538	596791.294	3469634.882	4527.05	6/27/13	270.00	4257.05
LADD 538	505538	596791.2941	3469634.882	4527.05	9/24/13	250.80	4276.25
LADD 538	505538	596791.2941	3469634.882	4527.05	12/3/13	251.36	4275.69
LADD 538	505538	596791.2941	3469634.882	4527.05	2/25/14	253.36	4273.69
LADD 538	505538	596791.2941	3469634.882	4527.05	6/4/14	259.63	4267.42
LADD 538	505538	596791.2941	3469634.882	4527.05	9/10/14	248.68	4278.37
LADD 538	505538	596791.2941	3469634.882	4527.05	11/20/14	268.66	4258.39
LADD 538	505538	596791.2941	3469634.882	4527.05	3/24/15	248.46	4278.59
LADD 538	505538	596791.2941	3469634.882	4527.05	9/17/15	243.05	4284.00
LADD 538	505538	596791.2941	3469634.882	4527.05	3/24/16	266.62	4260.43
LADD 538	505538	596791.2941	3469634.882	4527.05	9/28/16	246.14	4280.91
LADD 538	505538	596791.2941	3469634.882	4527.05	3/20/17	232.53	4294.52
LADD 538	505538	596791.2941	3469634.882	4527.05	8/10/17	227.4	4299.65
LADD 538	505538	596791.2941	3469634.882	4527.05	3/8/18	222.4	4304.65
LADD 538	505538	596791.2941	3469634.882	4527.05	8/22/18	219.90	4307.15
LADD 538	505538	596791.2941	3469634.882	4527.05	2/14/19	217.80	4309.25
LADD 538	505538	596791.2941	3469634.882	4527.05	9/9/19	216.22	4310.83
LADD 538	505538	596791.2941	3469634.882	4527.05	2/27/20	215.26	4311.79
LADD 538	505538	596791.2941	3469634.882	4527.05	8/25/20	213.80	4313.25
LADD 538	505538	596791.2941	3469634.882	4527.05	3/23/21	212.10	4314.95
LADD 538	505538	596791.2941	3469634.882	4527.05	9/20/21	211.29	4315.76
LADD 538	505538	596791.2941	3469634.882	4527.05	3/14/22	210.27	4316.78
LADD 538	505538	596791.2941	3469634.882	4527.05	9/22/22	209.33	4317.72
LADD 538	505538	596791.294	3469634.882	4527.05	3/14/23	207.93	4319.12
LADD 538	505538	596791.294	3469634.882	4527.05	9/19/23	206.74	4320.31
LADD 538	505538	596791.294	3469634.882	4527.05	3/20/24	206.12	4320.93
LADD 538	505538	596791.294	3469634.882	4527.05	9/26/24	205.72	4321.33
LADD 538	505538	596791.294	3469634.882	4527.05	3/6/25	205.35	4321.70
LADD 538	505538	596791.294	3469634.882	4527.05	9/17/25	205.64	4321.41
LADD 635	224635	598724.834	3467541.096	4598.99	7/18/15	169.31	4429.68
LADD 635	224635	598724.834	3467541.096	4598.99	12/17/15	169.54	4429.45

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
LADD 635	224635	598724.834	3467541.096	4598.99	3/31/16	169.56	4429.43
LADD 635	224635	598724.834	3467541.096	4598.99	9/28/16	170.21	4428.78
LADD 635	224635	598724.834	3467541.096	4598.99	11/22/16	170.90	4428.09
LADD 635	224635	598724.834	3467541.096	4598.99	3/20/17	184.94	4414.05
LADD 635	224635	598724.834	3467541.096	4598.99	8/24/17	172.09	4426.90
LADD 635	224635	598724.834	3467541.096	4598.99	3/8/18	172.22	4426.77
LADD 635	224635	598724.834	3467541.096	4598.99	8/22/18	173.07	4425.92
LADD 635	224635	598724.834	3467541.096	4598.99	2/14/19	173.20	4425.79
LADD 635	224635	598724.834	3467541.096	4598.99	9/9/19	174.03	4424.96
LADD 635	224635	598724.834	3467541.096	4598.99	2/27/20	173.85	4425.14
LADD 635	224635	598724.834	3467541.096	4598.99	8/25/20	186.34	4412.65
LADD 635	224635	598724.834	3467541.096	4598.99	3/20/23	176.72	4422.27
LADD 635	224635	598724.834	3467541.096	4598.99	9/19/23	177.96	4421.03
LADD 635	224635	598724.834	3467541.096	4598.99	3/20/24	178.63	4420.36
LADD 635	224635	598724.834	3467541.096	4598.99	9/26/24	179.62	4419.37
LADD 635	224635	598724.834	3467541.096	4598.99	3/6/25	180.12	4418.87
LADD 635	224635	598724.834	3467541.096	4598.99	9/17/25	181.23	4417.76
LADD 837	519837	594758.280	3470816.773	4470.11	2/9/10	262.80	4207.31
LADD 837	519837	594758.280	3470816.773	4470.11	4/28/10	262.65	4207.46
LADD 837	519837	594758.280	3470816.773	4470.11	7/28/10	265.75	4204.36
LADD 837	519837	594758.280	3470816.773	4470.11	12/8/10	262.38	4207.73
LADD 837	519837	594758.280	3470816.773	4470.11	3/17/11	262.65	4207.46
LADD 837	519837	594758.280	3470816.773	4470.11	6/24/11	262.51	4207.60
LADD 837	519837	594758.280	3470816.773	4470.11	9/29/11	262.28	4207.83
LADD 837	519837	594758.280	3470816.773	4470.11	12/16/11	264.32	4205.79
LADD 837	519837	594758.280	3470816.773	4470.11	2/15/12	262.24	4207.87
LADD 837	519837	594758.280	3470816.773	4470.11	6/11/12	264.04	4206.07
LADD 837	519837	594758.280	3470816.773	4470.11	9/26/12	261.75	4208.36
LADD 837	519837	594758.280	3470816.773	4470.11	12/19/12	261.94	4208.17
LADD 837	519837	594758.280	3470816.773	4470.11	3/27/13	266.68	4203.43
LADD 837	519837	594758.280	3470816.773	4470.11	6/14/13	261.51	4208.60
LADD 837	519837	594758.280	3470816.773	4470.11	9/24/13	261.38	4208.73
LADD 837	519837	594758.280	3470816.773	4470.11	12/3/13	260.85	4209.26
LADD 837	519837	594758.280	3470816.773	4470.11	2/25/14	261.04	4209.07
LADD 837	519837	594758.280	3470816.773	4470.11	6/4/14	262.53	4207.58
LADD 837	519837	594758.280	3470816.773	4470.11	9/10/14	263.68	4206.43
LADD 837	519837	594758.280	3470816.773	4470.11	11/20/14	261.18	4208.93
LADD 837	519837	594758.280	3470816.773	4470.11	3/24/15	261.44	4208.67
LADD 837	519837	594758.280	3470816.773	4470.11	9/17/15	264.32	4205.79
LADD 837	519837	594758.280	3470816.773	4470.11	3/24/16	261.79	4208.32
LADD 837	519837	594758.28	3470816.773	4470.11	9/28/16	262.8	4207.31
LADD 837	519837	594758.28	3470816.773	4470.11	3/20/17	261.3	4208.81
LADD 837	519837	594758.28	3470816.773	4470.11	8/10/17	262.0	4208.11
LADD 837	519837	594758.28	3470816.773	4470.11	3/8/18	283.2	4186.90
LADD 837	519837	594758.28	3470816.773	4470.11	8/22/18	281.46	4188.65
LADD 837	519837	594758.28	3470816.773	4470.11	2/14/19	341.04	4129.07
LADD 837	519837	594758.28	3470816.773	4470.11	9/9/19	295.40	4174.71
LADD 837	519837	594758.28	3470816.773	4470.11	2/27/20	304.30	4165.81
LADD 837	519837	594758.28	3470816.773	4470.11	8/25/20	299.29	4170.82
LADD 837	519837	594758.28	3470816.773	4470.11	3/23/21	317.23	4152.88
LADD 837	519837	594758.28	3470816.773	4470.11	9/20/21	295.30	4174.81
LADD 837	519837	594758.28	3470816.773	4470.11	3/14/22	294.03	4176.08
LADD 837	519837	594758.28	3470816.773	4470.11	9/22/22	295.82	4174.29
LADD 837	519837	594758.28	3470816.773	4470.11	3/14/23	296.53	4173.58

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
LADD 837	519837	594758.28	3470816.773	4470.11	9/19/23	384.83	4085.28
LADD 837	519837	594758.28	3470816.773	4470.11	3/20/24	385.11	4085.00
LADD 837	519837	594758.28	3470816.773	4470.11	9/26/24	321.35	4148.76
LADD 837	519837	594758.28	3470816.773	4470.11	3/6/25	346.27	4123.84
LADD 837	519837	594758.280	3470816.773	4470.11	9/17/25	323.10	4147.01
LADD 977	642977	597617.002	3468712.523	4513.40	3/17/11	82.32	4431.08
LADD 977	642977	597617.002	3468712.523	4513.40	6/24/11	84.00	4429.40
LADD 977	642977	597617.002	3468712.523	4513.40	9/29/11	83.62	4429.78
LADD 977	642977	597617.002	3468712.523	4513.40	12/16/11	84.8	4428.60
LADD 977	642977	597617.002	3468712.523	4513.40	2/15/12	84.67	4428.73
LADD 977	642977	597617.002	3468712.523	4513.40	6/11/12	85.7	4427.70
LADD 977	642977	597617.002	3468712.523	4513.40	9/26/12	84.96	4428.44
LADD 977	642977	597617.002	3468712.523	4513.40	12/19/12	86.27	4427.13
LADD 977	642977	597617.002	3468712.523	4513.40	3/22/13	85.18	4428.22
LADD 977	642977	597617.002	3468712.523	4513.40	6/14/13	86.54	4426.86
LADD 977	642977	597617.002	3468712.523	4513.40	9/24/13	82.66	4430.74
LADD 977	642977	597617.002	3468712.523	4513.40	12/3/13	84.48	4428.92
LADD 977	642977	597617.002	3468712.523	4513.40	2/25/14	85.27	4428.13
LADD 977	642977	597617.002	3468712.523	4513.40	6/4/14	85.88	4427.52
LADD 977	642977	597617.002	3468712.523	4513.40	9/10/14	86.15	4427.25
LADD 977	642977	597617.002	3468712.523	4513.40	11/20/14	80.95	4432.45
LADD 977	642977	597617.002	3468712.523	4513.40	3/24/15	83.73	4429.67
LADD 977	642977	597617.002	3468712.523	4513.40	5/19/15	84.28	4429.12
LADD 977	642977	597617.002	3468712.523	4513.40	9/17/15	86.44	4426.96
LADD 977	642977	597617.002	3468712.523	4513.40	12/17/15	86.81	4426.59
LADD 977	642977	597617.002	3468712.523	4513.40	3/24/16	87.22	4426.18
LADD 977	642977	597617.002	3468712.523	4513.40	9/28/16	86.11	4427.29
LADD 977	642977	597617.002	3468712.523	4513.40	3/20/17	86.55	4426.85
LADD 977	642977	597617.002	3468712.523	4513.40	8/10/17	87.9	4425.50
LADD 977	642977	597617.002	3468712.523	4513.40	3/8/18	87.92	4425.48
LADD 977	642977	597617.002	3468712.523	4513.40	8/22/18	88.92	4424.48
LADD 977	642977	597617.002	3468712.523	4513.40	2/14/19	87.5	4425.90
LADD 977	642977	597617.002	3468712.523	4513.40	9/9/19	89.27	4424.13
LADD 977	642977	597617.002	3468712.523	4513.40	2/27/20	87.47	4425.93
LADD 977	642977	597617.002	3468712.523	4513.40	8/25/20	89.28	4424.12
LADD 977	642977	597617.002	3468712.523	4513.40	3/23/21	90.20	4423.20
LADD 977	642977	597617.002	3468712.523	4513.40	9/20/21	88.60	4424.80
LADD 977	642977	597617.002	3468712.523	4513.40	3/14/22	90.74	4422.66
LADD 977	642977	597617.002	3468712.523	4513.40	9/22/22	88.76	4424.64
LADD 977	642977	597617.002	3468712.523	4513.40	3/14/23	90.31	4423.09
LADD 977	642977	597617.002	3468712.523	4513.40	9/19/23	92.02	4421.38
LADD 977	642977	597617.002	3468712.523	4513.40	3/20/24	92.12	4421.28
LADD 977	642977	597617.002	3468712.523	4513.40	9/26/24	93.07	4420.33
LADD 977	642977	597617.002	3468712.523	4513.40	3/6/25	93.81	4419.59
LADD 977	642977	597617.002	3468712.523	4513.40	9/17/25	95.50	4417.90
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	2/20/08	156.15	4444.55
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	5/6/08	156.40	4444.30
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	7/15/08	157.07	4443.63
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	11/19/08	157.17	4443.53
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	1/28/09	156.70	4444.00
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	4/15/09	157.22	4443.48
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	7/15/09	157.59	4443.11
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	10/12/09	158.13	4442.57
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	1/26/10	158.35	4442.35

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	4/22/10	158.68	4442.02
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	7/21/10	159.37	4441.33
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	10/18/10	159.63	4441.07
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	1/19/11	159.69	4441.01
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	4/8/11	159.10	4441.60
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	7/12/11	160.77	4439.93
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	10/11/11	161.17	4439.53
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	2/7/12	161.31	4439.39
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	4/11/12	161.57	4439.13
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	7/6/12	162.36	4438.34
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	10/8/12	162.43	4438.27
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	1/10/13	162.57	4438.13
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	4/18/13	163.08	4437.62
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	10/14/13	163.61	4437.09
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	1/8/14	163.42	4437.28
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	4/14/14	163.79	4436.91
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	7/14/14	164.03	4436.67
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	10/7/14	163.89	4436.81
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	2/2/15	163.32	4437.38
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	5/19/15	163.54	4437.16
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	7/31/15	163.83	4436.87
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	10/8/15	163.64	4437.06
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	1/11/16	163.36	4437.34
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	7/26/16	167.70	4433.00
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	1/16/17	164.46	4436.24
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	7/20/17	165.09	4435.61
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	1/15/18	165.10	4435.60
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	7/17/18	165.09	4435.61
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	1/9/19	166.29	4434.41
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	7/10/19	166.91	4433.79
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	1/16/20	167.28	4433.42
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	8/10/20	167.46	4433.24
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	1/5/21	167.96	4432.74
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	7/27/21	168.73	4431.97
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	1/27/22	169.37	4431.33
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	7/12/22	169.66	4431.04
MCCONNELL 265	539265	601463.091	3468840.174	4600.70	1/12/23	170.03	4430.67
MCCONNELL 459	221459	601471.745	3468840.235	4601.55	7/27/12	170.50	4431.05
MCCONNELL 459	221459	601471.745	3468840.235	4601.55	10/8/12	166.81	4434.74
MCCONNELL 459	221459	601471.745	3468840.235	4601.55	1/15/13	166.32	4435.23
MCCONNELL 459	221459	601471.7449	3468840.235	4601.55	4/10/13	166.79	4434.76
MCCONNELL 459	221459	601471.7449	3468840.235	4601.55	7/19/13	167.53	4434.02
MCCONNELL 459	221459	601471.7449	3468840.235	4601.55	10/14/13	167.13	4434.42
MCCONNELL 459	221459	601471.7449	3468840.235	4601.55	1/8/14	167.90	4433.65
MCCONNELL 459	221459	601471.745	3468840.235	4601.55	4/14/14	167.28	4434.27
MCCONNELL 459	221459	601471.745	3468840.235	4601.55	9/9/14	167.37	4434.18
MCCONNELL 459	221459	601471.745	3468840.235	4601.55	10/7/14	167.24	4434.31
MCCONNELL 459	221459	601471.745	3468840.235	4601.55	5/19/15	168.03	4433.52
MCCONNELL 459	221459	601471.745	3468840.235	4601.55	7/31/15	170.86	4430.69
MCCONNELL 459	221459	601471.7449	3468840.235	4601.55	7/26/16	167.13	4434.42
MCCONNELL 459	221459	601471.7449	3468840.235	4601.55	7/20/17	168.58	4432.97
MCCONNELL 459	221459	601471.7449	3468840.235	4601.55	7/17/18	169.08	4432.47
MCCONNELL 459	221459	601471.7449	3468840.235	4601.55	7/10/19	170.81	4430.74
MCCONNELL 459	221459	601471.7449	3468840.235	4601.55	8/10/20	171.11	4430.44

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
MCCONNELL 459	221459	601471.7449	3468840.235	4601.55	7/27/21	171.67	4429.88
MCCONNELL 459	221459	601471.7449	3468840.235	4601.55	7/12/22	179.50	4422.05
MCCONNELL 459	221459	601471.7449	3468840.235	4601.55	8/4/23	173.51	4428.04
MCCONNELL 459	221459	601471.7449	3468840.235	4601.55	8/1/24	174.45	4427.10
MCCONNELL 459	221459	601471.7449	3468840.235	4601.55	7/8/25	179.88	4421.67
METZLER	35-71891	602091.309	3471381.2	4728.53	3/5/08	288.30	4440.23
METZLER	35-71891	602091.309	3471381.2	4728.53	5/15/08	286.53	4442.00
METZLER	35-71891	602091.309	3471381.2	4728.53	7/31/08	286.82	4441.71
METZLER	35-71891	602091.309	3471381.2	4728.53	10/20/08	287.09	4441.44
METZLER	35-71891	602091.309	3471381.2	4728.53	2/11/09	287.74	4440.79
METZLER	35-71891	602091.309	3471381.2	4728.53	4/20/09	287.47	4441.06
METZLER	35-71891	602091.309	3471381.2	4728.53	7/15/09	287.58	4440.95
METZLER	35-71891	602091.309	3471381.2	4728.53	10/14/09	287.99	4440.54
METZLER	35-71891	602091.309	3471381.2	4728.53	2/1/10	288.38	4440.15
METZLER	35-71891	602091.309	3471381.2	4728.53	5/18/10	288.65	4439.88
METZLER	35-71891	602091.309	3471381.2	4728.53	7/16/10	288.88	4439.65
METZLER	35-71891	602091.309	3471381.2	4728.53	10/19/10	289.09	4439.44
METZLER	35-71891	602091.309	3471381.2	4728.53	1/19/11	289.54	4438.99
METZLER	35-71891	602091.309	3471381.2	4728.53	4/4/11	289.87	4438.66
METZLER	35-71891	602091.309	3471381.2	4728.53	7/12/11	289.98	4438.55
METZLER	35-71891	602091.309	3471381.2	4728.53	10/12/11	290.47	4438.06
METZLER	35-71891	602091.309	3471381.2	4728.53	2/7/12	290.92	4437.61
METZLER	35-71891	602091.309	3471381.2	4728.53	4/12/12	291.15	4437.38
METZLER	35-71891	602091.309	3471381.2	4728.53	7/18/12	291.37	4437.16
METZLER	35-71891	602091.309	3471381.2	4728.53	10/4/12	291.63	4436.90
METZLER	35-71891	602091.309	3471381.2	4728.53	1/11/13	292.15	4436.38
METZLER	35-71891	602091.309	3471381.2	4728.53	4/11/13	292.29	4436.24
METZLER	35-71891	602091.309	3471381.2	4728.53	7/17/13	292.43	4436.10
METZLER	35-71891	602091.309	3471381.2	4728.53	10/17/13	292.86	4435.67
METZLER	35-71891	602091.309	3471381.2	4728.53	1/16/14	293.20	4435.33
METZLER	35-71891	602091.309	3471381.2	4728.53	4/15/14	293.20	4435.33
METZLER	35-71891	602091.309	3471381.200	4728.53	7/21/14	293.45	4435.08
METZLER	35-71891	602091.309	3471381.200	4728.53	10/8/14	293.62	4434.91
METZLER	35-71891	602091.309	3471381.200	4728.53	1/27/15	293.36	4435.17
METZLER	35-71891	602091.309	3471381.200	4728.53	8/3/15	293.54	4434.99
METZLER	35-71891	602091.309	3471381.200	4728.53	1/12/16	293.69	4434.84
METZLER	35-71891	602091.309	3471381.200	4728.53	7/25/16	293.40	4435.13
METZLER	35-71891	602091.309	3471381.200	4728.53	1/17/17	294.09	4434.44
METZLER	35-71891	602091.309	3471381.200	4728.53	7/14/17	294.38	4434.15
METZLER	35-71891	602091.309	3471381.200	4728.53	1/15/18	294.51	4434.02
METZLER	35-71891	602091.309	3471381.200	4728.53	7/17/18	294.94	4433.59
METZLER	35-71891	602091.309	3471381.200	4728.53	1/14/19	295.08	4433.45
METZLER	35-71891	602091.309	3471381.200	4728.53	7/12/19	295.54	4432.99
METZLER	35-71891	602091.309	3471381.200	4728.53	1/15/20	295.76	4432.77
METZLER	35-71891	602091.309	3471381.200	4728.53	8/11/20	295.97	4432.56
METZLER	35-71891	602091.309	3471381.200	4728.53	1/7/21	296.41	4432.12
METZLER	35-71891	602091.309	3471381.200	4728.53	7/19/21	297.02	4431.51
METZLER	35-71891	602091.309	3471381.200	4728.53	1/31/22	297.64	4430.89
METZLER	35-71891	602091.309	3471381.200	4728.53	7/7/22	298.22	4430.31
METZLER	35-71891	602091.309	3471381.200	4728.53	1/12/23	298.59	4429.94
METZLER	35-71891	602091.309	3471381.200	4728.53	7/20/23	299.08	4429.45
METZLER	35-71891	602091.309	3471381.200	4728.53	1/16/24	299.56	4428.97
METZLER	35-71891	602091.309	3471381.200	4728.53	8/13/24	300.10	4428.43
METZLER	35-71891	602091.309	3471381.200	4728.53	1/27/25	300.52	4428.01

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Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
METZLER	35-71891	602091.309	3471381.200	4728.53	7/18/25	301.10	4427.43
MOORE	538847	599557.021	3467843.686	4568.49	8/1/18	155.64	4412.85
MOORE	538847	599557.021	3467843.686	4568.49	7/9/19	157.43	4411.06
MOORE	538847	599557.021	3467843.686	4568.49	7/22/20	157.32	4411.17
MOORE	538847	599557.021	3467843.686	4568.49	7/28/21	158.86	4409.63
MOORE	538847	599557.021	3467843.686	4568.49	7/7/22	159.46	4409.03
MOORE	538847	599557.021	3467843.686	4568.49	8/4/23	160.52	4407.97
MOORE	538847	599557.021	3467843.686	4568.49	8/16/24	162.30	4406.19
MOORE	538847	599557.021	3467843.686	4568.49	7/10/25	164.72	4403.77
NESS	509127	607866.391	3471419.494	4761.23	7/24/08	557.90	4203.33
NESS	509127	607866.391	3471419.494	4761.23	10/16/08	549.30	4211.93
NESS	509127	607866.391	3471419.494	4761.23	2/25/09	536.40	4224.83
NESS	509127	607866.391	3471419.494	4761.23	5/11/09	544.64	4216.59
NESS	509127	607866.391	3471419.494	4761.23	8/11/09	566.87	4194.36
NESS	509127	607866.391	3471419.494	4761.23	11/12/09	537.34	4223.89
NESS	509127	607866.391	3471419.494	4761.23	2/2/10	531.85	4229.38
NESS	509127	607866.391	3471419.494	4761.23	4/21/10	568.11	4193.12
NESS	509127	607866.391	3471419.494	4761.23	7/19/10	573.02	4188.21
NESS	509127	607866.391	3471419.494	4761.23	1/18/11	541.80	4219.43
NESS	509127	607866.391	3471419.494	4761.23	7/12/11	597.71	4163.52
NESS	509127	607866.391	3471419.494	4761.23	2/3/12	591.24	4169.99
NESS	509127	607866.391	3471419.494	4761.23	1/9/13	551.35	4209.88
NESS	509127	607866.391	3471419.494	4761.23	1/6/14	538.84	4222.39
NESS	509127	607866.391	3471419.494	4761.23	7/7/14	594.42	4166.81
NESS	509127	607866.391	3471419.494	4761.23	7/20/15	553.54	4207.69
NESS	509127	607866.391	3471419.494	4761.23	7/11/16	556.90	4204.33
NESS	509127	607866.391	3471419.494	4761.23	7/27/17	550.36	4210.87
NESS	509127	607866.391	3471419.494	4761.23	7/31/18	538.72	4222.51
NESS	509127	607866.391	3471419.494	4761.23	7/11/19	575.06	4186.17
NESS	509127	607866.391	3471419.494	4761.23	8/14/20	584.34	4176.89
NESS	509127	607866.391	3471419.494	4761.23	7/19/21	610.72	4150.51
NESS	509127	607866.391	3471419.494	4761.23	7/27/23	537.34	4223.89
NESS	509127	607866.391	3471419.494	4761.23	7/31/24	554.96	4206.27
NOTEMAN	212483	606053.795	3471576.420	4800.68	5/13/08	339.77	4460.91
NOTEMAN	212483	606053.795	3471576.420	4800.68	8/27/08	344.34	4456.34
NOTEMAN	212483	606053.795	3471576.420	4800.68	11/22/08	322.26	4478.42
NOTEMAN	212483	606053.795	3471576.420	4800.68	2/25/09	327.54	4473.14
NOTEMAN	212483	606053.795	3471576.420	4800.68	7/27/23	371.17	4429.51
NSD-02	527587	598820.394	3468819.128	4531.38	10/7/09	101.17	4430.21
NSD-02	527587	598820.394	3468819.128	4531.38	3/16/10	99.43	4431.95
NSD-02	527587	598820.394	3468819.128	4531.38	5/25/10	101.63	4429.75
NSD-02	527587	598820.394	3468819.128	4531.38	8/25/10	102.38	4429.00
NSD-02	527587	598820.394	3468819.128	4531.38	3/17/11	102.68	4428.70
NSD-02	527587	598820.394	3468819.128	4531.38	6/17/11	109.29	4422.09
NSD-02	527587	598820.394	3468819.128	4531.38	12/7/11	104.41	4426.97
NSD-02	527587	598820.394	3468819.128	4531.38	3/6/12	104.30	4427.08
NSD-02	527587	598820.394	3468819.128	4531.38	12/14/12	107.24	4424.14
NSD-02	527587	598820.394	3468819.128	4531.38	3/22/13	107.20	4424.18
NSD-02	527587	598820.394	3468819.128	4531.38	6/24/13	113.50	4417.88
NSD-02	527587	598820.394	3468819.128	4531.38	9/23/13	105.00	4426.38
NSD-02	527587	598820.394	3468819.128	4531.38	12/19/13	103.45	4427.93
NSD-02	527587	598820.394	3468819.128	4531.38	3/24/14	103.12	4428.26
NSD-02	527587	598820.394	3468819.128	4531.38	6/23/14	107.06	4424.32
NSD-02	527587	598820.394	3468819.128	4531.38	9/23/14	104.77	4426.61

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
NSD-02	527587	598820.394	3468819.128	4531.38	12/22/14	101.30	4430.08
NSD-02	527587	598820.394	3468819.128	4531.38	3/23/15	101.56	4429.82
NSD-02	527587	598820.394	3468819.128	4531.38	6/22/15	104.33	4427.05
NSD-02	527587	598820.394	3468819.128	4531.38	9/28/15	113.64	4417.74
NSD-02	527587	598820.394	3468819.128	4531.38	12/21/15	112.43	4418.95
NSD-02	527587	598820.394	3468819.128	4531.38	3/21/16	113.42	4417.96
NSD-02	527587	598820.394	3468819.128	4531.38	6/20/16	114.78	4416.60
NSD-02	527587	598820.394	3468819.128	4531.38	9/29/16	103.99	4427.39
NSD-02	527587	598820.394	3468819.128	4531.38	3/16/17	105.44	4425.94
NSD-02	527587	598820.394	3468819.128	4531.38	9/30/17	108.89	4422.49
NSD-02	527587	598820.394	3468819.128	4531.38	3/26/18	106.02	4425.36
NSD-02	527587	598820.394	3468819.128	4531.38	9/24/18	106.13	4425.25
NSD-02	527587	598820.394	3468819.128	4531.38	3/18/19	105.00	4426.38
NSD-02	527587	598820.394	3468819.128	4531.38	7/30/19	112.53	4418.85
NSD-02	527587	598820.394	3468819.128	4531.38	1/30/20	105.28	4426.10
NSD-02	527587	598820.394	3468819.128	4531.38	7/30/20	108.14	4423.24
NSD-02	527587	598820.394	3468819.128	4531.38	2/9/21	107.95	4423.43
NSD-02	527587	598820.3944	3468819.128	4531.38	7/28/21	109.64	4421.74
NSD-02	527587	598820.3944	3468819.128	4531.38	1/26/22	108.39	4422.99
NSD-02	527587	598820.3944	3468819.128	4531.38	7/28/22	111.65	4419.73
NSD-02	527587	598820.3944	3468819.128	4531.38	1/31/23	109.86	4421.52
NSD-02	527587	598820.3944	3468819.128	4531.38	8/10/23	111.27	4420.11
NSD-02	527587	598820.3944	3468819.128	4531.38	1/30/24	119.18	4412.20
NSD-02	527587	598820.3944	3468819.128	4531.38	8/15/24	111.43	4419.95
NSD-02	527587	598820.3944	3468819.128	4531.38	2/12/25	114.92	4416.46
NSD-02	527587	598820.3944	3468819.128	4531.38	7/15/25	117.11	4414.27
NSD-03	527586	598071.7944	3468691.276	4518.28	10/7/09	85.62	4432.66
NSD-03	527586	598071.7944	3468691.276	4518.28	3/16/10	83.51	4434.77
NSD-03	527586	598071.7944	3468691.276	4518.28	5/25/10	84.49	4433.79
NSD-03	527586	598071.7944	3468691.276	4518.28	8/25/10	85.70	4432.58
NSD-03	527586	598071.794	3468691.276	4518.28	3/17/11	86.76	4431.52
NSD-03	527586	598071.794	3468691.276	4518.28	6/17/11	88.76	4429.52
NSD-03	527586	598071.794	3468691.276	4518.28	12/7/11	89.30	4428.98
NSD-03	527586	598071.794	3468691.276	4518.28	3/6/12	89.24	4429.04
NSD-03	527586	598071.794	3468691.276	4518.28	12/14/12	90.83	4427.45
NSD-03	527586	598071.794	3468691.276	4518.28	3/22/13	88.65	4429.63
NSD-03	527586	598071.794	3468691.276	4518.28	6/24/13	91.70	4426.58
NSD-03	527586	598071.794	3468691.276	4518.28	9/23/13	86.88	4431.40
NSD-03	527586	598071.794	3468691.276	4518.28	12/19/13	89.11	4429.17
NSD-03	527586	598071.794	3468691.276	4518.28	3/24/14	89.48	4428.80
NSD-03	527586	598071.794	3468691.276	4518.28	6/23/14	90.77	4427.51
NSD-03	527586	598071.794	3468691.276	4518.28	9/23/14	89.10	4429.18
NSD-03	527586	598071.794	3468691.276	4518.28	12/22/14	86.80	4431.48
NSD-03	527586	598071.794	3468691.276	4518.28	3/23/15	87.68	4430.60
NSD-03	527586	598071.794	3468691.276	4518.28	6/22/15	89.40	4428.88
NSD-03	527586	598071.794	3468691.276	4518.28	9/28/15	90.65	4427.63
NSD-03	527586	598071.794	3468691.276	4518.28	12/21/15	90.97	4427.31
NSD-03	527586	598071.794	3468691.276	4518.28	3/21/16	91.30	4426.98
NSD-03	527586	598071.794	3468691.276	4518.28	6/20/16	92.16	4426.12
NSD-03	527586	598071.7944	3468691.276	4518.28	9/29/16	89.50	4428.78
NSD-03	527586	598071.794	3468691.276	4518.28	3/16/17	89.81	4428.47
NSD-03	527586	598071.794	3468691.276	4518.28	9/30/17	90.71	4427.57
NSD-03	527586	598071.794	3468691.276	4518.28	3/26/18	91.28	4427.00
NSD-03	527586	598071.794	3468691.276	4518.28	9/24/18	92.22	4426.06

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
NSD-03	527586	598071.794	3468691.276	4518.28	3/18/19	91.01	4427.27
NSD-03	527586	598071.794	3468691.276	4518.28	7/30/19	93.64	4424.64
NSD-03	527586	598071.794	3468691.276	4518.28	1/30/20	90.87	4427.41
NSD-03	527586	598071.794	3468691.276	4518.28	7/30/20	93.51	4424.77
NSD-03	527586	598071.794	3468691.276	4518.28	2/9/21	93.94	4424.34
NSD-03	527586	598071.794	3468691.276	4518.28	7/28/21	94.33	4423.95
NSD-03	527586	598071.794	3468691.276	4518.28	1/26/22	93.66	4424.62
NSD-03	527586	598071.794	3468691.276	4518.28	1/31/23	93.41	4424.87
NSD-03	527586	598071.794	3468691.276	4518.28	8/10/23	DRY	DRY
NSD-03	527586	598071.794	3468691.276	4518.28	1/30/24	DRY	DRY
NSD-03	527586	598071.794	3468691.276	4518.28	8/15/24	DRY	DRY
NWC-02	562944	600181.593	3467461.037	4600.44	10/27/08	160.51	4439.93
NWC-02	562944	600181.593	3467461.037	4600.44	4/29/09	160.5	4439.94
NWC-02	562944	600181.593	3467461.037	4600.44	9/10/09	155	4445.44
NWC-02	562944	600181.593	3467461.037	4600.44	4/1/10	131	4469.44
NWC-02	562944	600181.593	3467461.037	4600.44	3/1/13	131	4469.44
NWC-02	562944	600181.593	3467461.037	4600.44	2/12/15	165.02	4435.42
NWC-02	562944	600181.593	3467461.037	4600.44	7/30/15	166.36	4434.08
NWC-02	562944	600181.593	3467461.037	4600.44	10/6/15	165.92	4434.52
NWC-02	562944	600181.593	3467461.037	4600.44	1/12/16	166.36	4434.08
NWC-02	562944	600181.593	3467461.037	4600.44	7/26/16	167.43	4433.01
NWC-02	562944	600181.593	3467461.037	4600.44	1/26/17	167.49	4432.95
NWC-02	562944	600181.593	3467461.037	4600.44	7/18/17	168.60	4431.84
NWC-02	562944	600181.593	3467461.037	4600.44	1/16/18	168.50	4431.94
NWC-02	562944	600181.593	3467461.037	4600.44	7/18/18	169.35	4431.09
NWC-02	562944	600181.593	3467461.037	4600.44	1/7/19	170.50	4429.94
NWC-02	562944	600181.593	3467461.037	4600.44	7/9/19	170.59	4429.85
NWC-02	562944	600181.593	3467461.037	4600.44	1/16/20	171.98	4428.46
NWC-02	562944	600181.593	3467461.037	4600.44	7/22/20	171.19	4429.25
NWC-02	562944	600181.593	3467461.037	4600.44	1/12/21	172.33	4428.11
NWC-02	562944	600181.593	3467461.037	4600.44	7/22/21	173.15	4427.29
NWC-02	562944	600181.593	3467461.037	4600.44	2/1/22	173.42	4427.02
NWC-02	562944	600181.5932	3467461.037	4600.44	1/24/23	174.10	4426.34
NWC-02	562944	600181.5932	3467461.037	4600.44	2/2/23	173.93	4426.51
NWC-02	562944	600181.5932	3467461.037	4600.44	8/9/23	174.55	4425.89
NWC-02	562944	600181.5932	3467461.037	4600.44	8/9/24	176.08	4424.36
NWC-02	562944	600181.5932	3467461.037	4600.44	2/7/25	177.15	4423.29
NWC-02	562944	600181.5932	3467461.037	4600.44	7/18/25	178.11	4422.33
NWC-03	203321	601153.857	3468350.838	4574.99	11/3/08	131.48	4443.51
NWC-03	203321	601153.857	3468350.838	4574.99	4/29/09	130	4444.99
NWC-03	203321	601153.857	3468350.838	4574.99	9/10/09	126	4448.99
NWC-03	203321	601153.857	3468350.838	4574.99	10/9/09	125	4449.99
NWC-04	551849	605829.808	3469071.959	4690.77	12/2/08	352.11	4338.66
NWC-04	551849	605829.808	3469071.959	4690.77	4/29/09	328	4362.77
NWC-04	551849	605829.808	3469071.959	4690.77	9/10/09	324	4366.77
NWC-04	551849	605829.808	3469071.959	4690.77	4/1/10	216	4474.77
NWC-04	551849	605829.808	3469071.959	4690.77	3/1/13	216	4474.77
NWC-04	551849	605829.808	3469071.959	4690.77	7/18/25	570.61	4120.16
NWC-06	575700	599822.821	3467749.954	4592.50	4/29/09	156	4436.50
NWC-06	575700	599822.821	3467749.954	4592.50	9/10/09	155	4437.50
NWC-06	575700	599822.821	3467749.954	4592.50	10/9/09	148	4444.50
NWC-06	575700	599822.821	3467749.954	4592.50	4/1/10	140	4452.50
NWC-06	575700	599822.821	3467749.954	4592.50	3/1/13	140	4452.50
NWC-06	575700	599822.821	3467749.954	4592.50	7/30/15	160.95	4431.55

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
NWC-06	575700	599822.821	3467749.954	4592.50	10/6/15	160.48	4432.02
NWC-06	575700	599822.821	3467749.954	4592.50	1/12/16	168.81	4423.69
NWC-06	575700	599822.821	3467749.954	4592.50	7/26/16	167.73	4424.77
NWC-06	575700	599822.821	3467749.954	4592.50	1/26/17	162.26	4430.24
NWC-06	575700	599822.821	3467749.954	4592.50	7/18/17	162.80	4429.70
NWC-06	575700	599822.821	3467749.954	4592.50	1/16/18	162.78	4429.72
NWC-06	575700	599822.821	3467749.954	4592.50	7/18/18	163.77	4428.73
NWC-06	575700	599822.821	3467749.954	4592.50	1/7/19	164.68	4427.82
NWC-06	575700	599822.821	3467749.954	4592.50	7/9/19	165.28	4427.22
NWC-06	575700	599822.821	3467749.954	4592.50	1/16/20	165.12	4427.38
NWC-06	575700	599822.821	3467749.954	4592.50	7/22/20	165.81	4426.69
NWC-06	575700	599822.821	3467749.954	4592.50	1/12/21	166.51	4425.99
NWC-06	575700	599822.821	3467749.954	4592.50	7/22/21	167.26	4425.24
NWC-06	575700	599822.821	3467749.954	4592.50	2/1/22	167.67	4424.83
NWC-06	575700	599822.821	3467749.954	4592.50	7/14/22	175.62	4416.88
NWC-06	575700	599822.821	3467749.954	4592.50	2/2/23	168.13	4424.37
NWC-06	575700	599822.821	3467749.954	4592.50	8/9/23	169.11	4423.39
NWC-06	575700	599822.821	3467749.954	4592.50	8/9/24	178.20	4414.30
NWC-06	575700	599822.821	3467749.954	4592.50	2/7/25	178.85	4413.65
NWC-06	575700	599822.821	3467749.954	4592.50	7/18/25	172.19	4420.31
OLMOS	224745	599641.5055	3468055.337	4576.92	1/13/16	145.84	4431.08
OLMOS	224745	599641.5055	3468055.337	4576.92	1/15/18	148.47	4428.45
OLMOS	224745	599641.5055	3468055.337	4576.92	7/13/18	150.28	4426.64
OLMOS	224745	599641.5055	3468055.337	4576.92	1/14/19	150.75	4426.17
OLMOS	224745	599641.5055	3468055.337	4576.92	7/8/19	151.52	4425.40
OLMOS	224745	599641.5055	3468055.337	4576.92	1/17/20	151.52	4425.40
OLMOS	224745	599641.5055	3468055.337	4576.92	8/5/20	152.38	4424.54
OLMOS	224745	599641.5055	3468055.337	4576.92	1/8/21	152.98	4423.94
OLMOS	224745	599641.5055	3468055.337	4576.92	7/29/21	153.85	4423.07
OLMOS	224745	599641.506	3468055.337	4576.92	1/26/22	153.97	4422.95
OLMOS	224745	599641.506	3468055.337	4576.92	7/12/22	153.29	4423.63
OLMOS	224745	599641.506	3468055.337	4576.92	1/11/23	154.17	4422.75
OLMOS	224745	599641.506	3468055.337	4576.92	8/1/23	155.79	4421.13
OLMOS	224745	599641.506	3468055.337	4576.92	1/17/24	156.09	4420.83
OLMOS	224745	599641.506	3468055.337	4576.92	8/12/24	157.51	4419.41
OLMOS	224745	599641.506	3468055.337	4576.92	1/31/25	157.36	4419.56
OLMOS	224745	599641.506	3468055.337	4576.92	7/10/25	158.40	4418.52
OSBORN	643436	607031.823	3470270.548	4711.95	5/13/08	68.65	4643.30
OSBORN	643436	607031.823	3470270.548	4711.95	8/5/08	69.53	4642.42
OSBORN	643436	607031.823	3470270.548	4711.95	10/16/08	69.83	4642.12
OSBORN	643436	607031.823	3470270.548	4711.95	1/20/09	69.23	4642.72
OSBORN	643436	607031.823	3470270.548	4711.95	4/7/09	69.60	4642.35
OSBORN	643436	607031.823	3470270.548	4711.95	7/8/09	96.61	4615.34
OSBORN	643436	607031.823	3470270.548	4711.95	10/5/09	75.09	4636.86
OSBORN	643436	607031.823	3470270.548	4711.95	1/21/10	75.37	4636.58
OSBORN	643436	607031.823	3470270.548	4711.95	4/19/10	81.59	4630.36
OSBORN	643436	607031.823	3470270.548	4711.95	7/12/10	83.00	4628.95
OSBORN	643436	607031.823	3470270.548	4711.95	7/12/11	74.60	4637.35
OSBORN	643436	607031.823	3470270.548	4711.95	2/3/12	74.57	4637.38
OSBORN	643436	607031.823	3470270.548	4711.95	7/9/12	74.63	4637.32
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	1/22/09	155.28	4536.12
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	4/9/09	156.15	4535.25
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	7/9/09	161.61	4529.79
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	10/6/09	167.20	4524.20

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	1/21/10	166.92	4524.48
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	4/20/10	167.11	4524.29
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	7/20/10	171.78	4519.62
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	10/18/10	176.39	4515.01
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	7/14/11	173.78	4517.62
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	8/25/11	172.89	4518.51
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	2/6/12	169.09	4522.31
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	2/29/12	169.32	4522.08
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	3/15/12	169.64	4521.76
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	4/12/12	168.85	4522.55
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	7/9/12	170.38	4521.02
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	11/27/12	169.82	4521.58
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	1/18/13	169.12	4522.28
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	2/6/13	168.76	4522.64
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	4/9/13	167.79	4523.61
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	7/10/13	168.51	4522.89
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	10/15/13	164.49	4526.91
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	1/10/14	160.32	4531.08
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	4/16/14	158.75	4532.65
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	7/17/14	159.69	4531.71
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	10/16/14	159.28	4532.12
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	1/26/15	158.02	4533.38
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	7/27/15	160.04	4531.36
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	1/11/16	160.50	4530.90
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	2/24/17	162.64	4528.76
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	7/17/17	160.37	4531.03
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	1/18/18	160.12	4531.28
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	7/30/18	161.94	4529.46
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	1/15/19	167.97	4523.43
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	7/8/19	166.86	4524.54
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	1/14/20	166.69	4524.71
PANAGAKOS	35-76413	605311.681	3469320.987	4691.40	8/13/20	163.46	4527.94
PANAGAKOS	35-76413	605311.6809	3469320.987	4691.40	1/11/21	162.45	4528.95
PANAGAKOS	35-76413	605311.6809	3469320.987	4691.40	7/22/21	162.18	4529.22
PANAGAKOS	35-76413	605311.6809	3469320.987	4691.40	1/31/22	164.40	4527.00
PANAGAKOS	35-76413	605311.6809	3469320.987	4691.40	7/7/22	168.09	4523.31
PANAGAKOS	35-76413	605311.6809	3469320.987	4691.40	2/3/23	187.21	4504.19
PANAGAKOS	35-76413	605311.6809	3469320.987	4691.40	7/25/23	173.92	4517.48
PANAGAKOS	35-76413	605311.6809	3469320.987	4691.40	1/17/24	170.31	4521.09
PANAGAKOS	35-76413	605311.6809	3469320.987	4691.40	7/31/24	178.52	4512.88
PANAGAKOS	35-76413	605311.6809	3469320.987	4691.40	1/30/25	167.13	4524.27
PARRA	576415	602170.711	3471263.571	4727.21	5/15/08	279.78	4447.43
PARRA	576415	602170.711	3471263.571	4727.21	8/18/08	280.06	4447.15
PARRA	576415	602170.711	3471263.571	4727.21	11/3/08	280.39	4446.82
PARRA	576415	602170.711	3471263.571	4727.21	2/13/09	280.75	4446.46
PARRA	576415	602170.711	3471263.571	4727.21	4/28/09	280.88	4446.33
PARRA	576415	602170.711	3471263.571	4727.21	7/20/09	280.99	4446.22
PIONKE 395	613395	601041.378	3468961.642	4592.13	7/17/08	149.88	4442.25
PIONKE 395	613395	601041.378	3468961.642	4592.13	11/3/08	150.99	4441.14
PIONKE 395	613395	601041.378	3468961.642	4592.13	2/25/09	149.68	4442.45
PIONKE 395	613395	601041.378	3468961.642	4592.13	4/14/09	150.01	4442.12
PIONKE 395	613395	601041.378	3468961.642	4592.13	7/13/09	150.47	4441.66
PIONKE 395	613395	601041.378	3468961.642	4592.13	10/7/09	150.96	4441.17
PIONKE 395	613395	601041.378	3468961.642	4592.13	3/8/10	151.11	4441.02

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
PIONKE 395	613395	601041.378	3468961.642	4592.13	4/26/10	151.32	4440.81
PIONKE 395	613395	601041.378	3468961.642	4592.13	7/15/10	151.90	4440.23
PIONKE 395	613395	601041.378	3468961.642	4592.13	10/18/10	152.38	4439.75
PIONKE 395	613395	601041.378	3468961.642	4592.13	1/19/11	152.38	4439.75
PIONKE 395	613395	601041.378	3468961.642	4592.13	4/8/11	153.04	4439.09
PIONKE 395	613395	601041.378	3468961.642	4592.13	7/12/11	153.57	4438.56
PIONKE 395	613395	601041.378	3468961.642	4592.13	10/11/11	153.87	4438.26
PIONKE 395	613395	601041.378	3468961.642	4592.13	2/1/12	153.92	4438.21
PIONKE 395	613395	601041.378	3468961.642	4592.13	4/12/12	154.35	4437.78
PIONKE 395	613395	601041.378	3468961.642	4592.13	7/11/12	154.97	4437.16
PIONKE 395	613395	601041.378	3468961.642	4592.13	10/17/12	155.31	4436.82
PIONKE 395	613395	601041.378	3468961.642	4592.13	1/9/13	155.25	4436.88
PIONKE 395	613395	601041.378	3468961.642	4592.13	4/17/13	155.76	4436.37
PIONKE 395	613395	601041.378	3468961.642	4592.13	7/18/13	156.09	4436.04
PIONKE 395	613395	601041.378	3468961.642	4592.13	10/17/13	156.39	4435.74
PIONKE 395	613395	601041.378	3468961.642	4592.13	2/5/14	155.84	4436.29
PIONKE 395	613395	601041.378	3468961.642	4592.13	4/9/14	156.21	4435.92
PIONKE 395	613395	601041.378	3468961.642	4592.13	7/11/14	156.66	4435.47
PIONKE 395	613395	601041.378	3468961.642	4592.13	10/7/14	156.47	4435.66
PIONKE 395	613395	601041.378	3468961.642	4592.13	2/2/15	155.81	4436.32
PIONKE 395	613395	601041.378	3468961.642	4592.13	5/18/15	155.97	4436.16
PIONKE 395	613395	601041.378	3468961.642	4592.13	7/22/15	156.29	4435.84
PIONKE 395	613395	601041.378	3468961.642	4592.13	10/8/15	156.03	4436.10
PIONKE 395	613395	601041.378	3468961.642	4592.13	1/11/16	155.64	4436.49
PIONKE 395	613395	601041.378	3468961.642	4592.13	7/26/16	156.55	4435.58
PIONKE 395	613395	601041.378	3468961.642	4592.13	1/16/17	156.92	4435.21
PIONKE 395	613395	601041.378	3468961.642	4592.13	9/30/17	157.63	4434.50
PIONKE 395	613395	601041.378	3468961.642	4592.13	1/15/18	157.42	4434.71
PIONKE 395	613395	601041.378	3468961.642	4592.13	7/24/18	158.37	4433.76
PIONKE 395	613395	601041.378	3468961.642	4592.13	1/7/19	158.89	4433.24
PIONKE 395	613395	601041.378	3468961.642	4592.13	7/11/19	159.32	4432.81
PIONKE 395	613395	601041.378	3468961.642	4592.13	1/8/20	159.43	4432.70
PIONKE 395	613395	601041.378	3468961.642	4592.13	8/12/20	159.73	4432.40
PIONKE 395	613395	601041.378	3468961.642	4592.13	1/5/21	160.22	4431.91
PIONKE 395	613395	601041.378	3468961.642	4592.13	7/23/21	160.98	4431.15
PIONKE 395	613395	601041.378	3468961.642	4592.13	1/26/22	161.55	4430.58
PIONKE 395	613395	601041.378	3468961.642	4592.13	7/12/22	161.90	4430.23
PIONKE 395	613395	601041.378	3468961.642	4592.13	1/12/23	162.13	4430.00
PIONKE 395	613395	601041.378	3468961.642	4592.13	7/21/23	162.48	4429.65
PIONKE 395	613395	601041.378	3468961.642	4592.13	1/16/24	163.19	4428.94
PIONKE 395	613395	601041.378	3468961.642	4592.13	7/24/24	163.96	4428.17
PIONKE 395	613395	601041.378	3468961.642	4592.13	1/28/25	164.52	4427.61
PIONKE 395	613395	601041.378	3468961.642	4592.13	7/15/25	165.32	4426.81
PIONKE 517	221517	600908.160	3468864.610	4587.20792	9/18/12	152.00	4435.21
PIONKE 517	221517	600908.160	3468864.610	4587.20792	10/11/12	152.15	4435.06
PIONKE 517	221517	600908.160	3468864.610	4587.20792	1/9/13	152.23	4434.98
PIONKE 517	221517	600908.160	3468864.610	4587.20792	4/17/13	152.58	4434.63
PIONKE 517	221517	600908.160	3468864.610	4587.20792	7/16/13	153.11	4434.10
PIONKE 517	221517	600908.160	3468864.610	4587.20792	10/17/13	153.27	4433.94
PIONKE 517	221517	600908.160	3468864.610	4587.20792	3/5/14	153.24	4433.97
PIONKE 517	221517	600908.160	3468864.610	4587.20792	4/9/14	153.07	4434.14
PIONKE 517	221517	600908.160	3468864.610	4587.20792	7/11/14	153.56	4433.65
PIONKE 517	221517	600908.160	3468864.610	4587.20792	10/7/14	153.31	4433.90
PIONKE 517	221517	600908.160	3468864.610	4587.20792	5/18/15	152.76	4434.45

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
PIONKE 517	221517	600908.160	3468864.610	4587.20792	7/22/15	153.12	4434.09
PIONKE 517	221517	600908.160	3468864.610	4587.20792	7/26/16	153.32	4433.89
PIONKE 517	221517	600908.160	3468864.610	4587.20792	7/18/17	154.44	4432.77
PIONKE 517	221517	600908.160	3468864.610	4587.20792	7/24/18	155.18	4432.03
PIONKE 517	221517	600908.160	3468864.610	4587.20792	7/11/19	156.16	4431.05
PIONKE 517	221517	600908.160	3468864.610	4587.20792	8/12/20	156.55	4430.66
PIONKE 517	221517	600908.160	3468864.610	4587.20792	7/23/21	157.77	4429.44
PIONKE 517	221517	600908.160	3468864.610	4587.20792	7/12/22	158.65	4428.56
PIONKE 517	221517	600908.160	3468864.610	4587.20792	7/21/23	159.30	4427.91
PIONKE 517	221517	600908.160	3468864.610	4587.20792	7/24/24	161.90	4425.31
PIONKE 517	221517	600908.160	3468864.610	4587.20792	1/28/25	161.28	4425.93
PIONKE 517	221517	600908.160	3468864.610	4587.20792	7/15/25	162.09	4425.12
POOL	509518	599683.615	3470013.855	4639.09	2/20/08	204.22	4434.87
POOL	509518	599683.615	3470013.855	4639.09	5/19/08	204.72	4434.37
POOL	509518	599683.615	3470013.855	4639.09	7/31/08	205.56	4433.53
POOL	509518	599683.615	3470013.855	4639.09	10/21/08	205.06	4434.03
POOL	509518	599683.615	3470013.855	4639.09	2/13/09	204.74	4434.35
POOL	509518	599683.615	3470013.855	4639.09	4/21/09	204.87	4434.22
POOL	509518	599683.615	3470013.855	4639.09	7/20/09	205.69	4433.40
POOL	509518	599683.615	3470013.855	4639.09	10/20/09	206.06	4433.03
POOL	509518	599683.615	3470013.855	4639.09	2/24/10	205.59	4433.50
POOL	509518	599683.615	3470013.855	4639.09	4/22/10	205.48	4433.61
POOL	509518	599683.615	3470013.855	4639.09	7/14/10	206.58	4432.51
POOL	509518	599683.615	3470013.855	4639.09	10/20/10	206.74	4432.35
POOL	509518	599683.615	3470013.855	4639.09	3/21/16	209.98	4429.11
POOL	509518	599683.615	3470013.855	4639.09	8/1/18	212.45	4426.64
POOL	509518	599683.615	3470013.855	4639.09	7/10/19	212.88	4426.21
POOL	509518	599683.615	3470013.855	4639.09	8/10/20	213.56	4425.53
POOL	509518	599683.615	3470013.855	4639.09	7/20/21	214.78	4424.31
POOL	509518	599683.615	3470013.855	4639.09	8/25/25	219.65	4419.44
POWER 639	222639	602146.123	3471373.655	4734.38	1/16/14	294.07	4440.31
POWER 639	222639	602146.123	3471373.655	4734.38	2/5/14	294.07	4440.31
POWER 639	222639	602146.123	3471373.655	4734.38	3/5/14	294.20	4440.18
POWER 639	222639	602146.123	3471373.655	4734.38	4/15/14	294.14	4440.24
POWER 639	222639	602146.123	3471373.655	4734.38	5/13/14	294.25	4440.13
POWER 639	222639	602146.123	3471373.655	4734.38	6/23/14	294.28	4440.10
POWER 639	222639	602146.123	3471373.655	4734.38	7/17/14	294.32	4440.06
POWER 639	222639	602146.123	3471373.655	4734.38	8/11/14	294.44	4439.94
POWER 639	222639	602146.123	3471373.655	4734.38	9/9/14	294.47	4439.91
POWER 639	222639	602146.123	3471373.655	4734.38	10/8/14	294.49	4439.89
POWER 639	222639	602146.123	3471373.655	4734.38	1/27/15	294.24	4440.14
POWER 639	222639	602146.123	3471373.655	4734.38	3/10/15	294.19	4440.19
POWER 639	222639	602146.123	3471373.655	4734.38	4/28/15	294.17	4440.21
POWER 639	222639	602146.123	3471373.655	4734.38	5/14/15	249.23	4485.15
POWER 639	222639	602146.123	3471373.655	4734.38	6/11/15	294.29	4440.09
POWER 639	222639	602146.123	3471373.655	4734.38	7/30/15	294.38	4440.00
POWER 639	222639	602146.123	3471373.655	4734.38	1/14/16	294.65	4439.73
POWER 639	222639	602146.123	3471373.655	4734.38	7/27/16	294.81	4439.57
POWER 639	222639	602146.123	3471373.655	4734.38	1/26/17	295.05	4439.33
POWER 639	222639	602146.123	3471373.655	4734.38	7/12/17	295.25	4439.13
POWER 639	222639	602146.123	3471373.655	4734.38	1/10/18	295.47	4438.91
POWER 639	222639	602146.123	3471373.655	4734.38	7/25/18	295.75	4438.63
POWER 639	222639	602146.123	3471373.655	4734.38	1/14/19	295.96	4438.42
POWER 639	222639	602146.123	3471373.655	4734.38	7/12/19	296.56	4437.82

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
POWER 639	222639	602146.123	3471373.655	4734.38	1/15/20	296.68	4437.70
POWER 639	222639	602146.123	3471373.655	4734.38	8/13/20	296.98	4437.40
POWER 639	222639	602146.123	3471373.655	4734.38	1/13/21	297.41	4436.97
POWER 639	222639	602146.123	3471373.655	4734.38	7/19/21	297.92	4436.46
POWER 639	222639	602146.123	3471373.655	4734.38	1/31/22	298.54	4435.84
POWER 639	222639	602146.123	3471373.655	4734.38	7/7/22	299.06	4435.32
POWER 639	222639	602146.123	3471373.655	4734.38	1/25/23	299.52	4434.86
POWER 639	222639	602146.123	3471373.655	4734.38	7/20/23	299.94	4434.44
POWER 639	222639	602146.123	3471373.655	4734.38	1/16/24	300.40	4433.98
POWER 639	222639	602146.123	3471373.655	4734.38	8/13/24	301.02	4433.36
POWER 639	222639	602146.123	3471373.655	4734.38	1/27/25	301.46	4432.92
POWER 639	222639	602146.123	3471373.655	4734.38	8/18/25	302.15	4432.23
RAMIREZ	216425	599730.649	3467584.363	4596.61	10/27/08	159.45	4437.16
RAMIREZ	216425	599730.649	3467584.363	4596.61	1/29/09	158.74	4437.87
RAMIREZ	216425	599730.649	3467584.363	4596.61	4/16/09	158.66	4437.95
RAMIREZ	216425	599730.649	3467584.363	4596.61	7/10/09	159.64	4436.97
RAMIREZ	216425	599730.649	3467584.363	4596.61	10/6/09	160.36	4436.25
RAMIREZ	216425	599730.649	3467584.363	4596.61	1/25/10	160.10	4436.51
RAMIREZ	216425	599730.649	3467584.363	4596.61	4/21/10	159.96	4436.65
RAMIREZ	216425	599730.649	3467584.363	4596.61	7/21/10	161.05	4435.56
RAMIREZ	216425	599730.649	3467584.363	4596.61	10/19/10	161.23	4435.38
RAMIREZ	216425	599730.649	3467584.363	4596.61	1/18/11	161.22	4435.39
RAMIREZ	216425	599730.649	3467584.363	4596.61	4/11/11	161.48	4435.13
RAMIREZ	216425	599730.649	3467584.363	4596.61	7/18/11	162.39	4434.22
RAMIREZ	216425	599730.649	3467584.363	4596.61	10/12/11	163.04	4433.57
RAMIREZ	216425	599730.649	3467584.363	4596.61	4/10/12	163.22	4433.39
RAMIREZ	216425	599730.649	3467584.363	4596.61	7/6/12	163.85	4432.76
RAMIREZ	216425	599730.649	3467584.363	4596.61	10/8/12	164.38	4432.23
RAMIREZ	216425	599730.649	3467584.363	4596.61	4/19/13	164.96	4431.65
RAMIREZ	216425	599730.649	3467584.363	4596.61	1/13/14	165.26	4431.35
RAMIREZ	216425	599730.649	3467584.363	4596.61	4/14/14	164.85	4431.76
RAMIREZ	216425	599730.649	3467584.363	4596.61	2/2/15	164.33	4432.28
RAMIREZ	216425	599730.649	3467584.363	4596.61	5/28/15	164.39	4432.22
RAMIREZ	216425	599730.649	3467584.363	4596.61	7/21/15	164.65	4431.96
RAMIREZ	216425	599730.649	3467584.363	4596.61	10/8/15	164.72	4431.89
RAMIREZ	216425	599730.649	3467584.363	4596.61	1/14/16	164.15	4432.46
RAMIREZ	216425	599730.649	3467584.363	4596.61	7/14/16	165.52	4431.09
RAMIREZ	216425	599730.649	3467584.363	4596.61	7/26/17	166.81	4429.80
RAMIREZ	216425	599730.649	3467584.363	4596.61	1/15/18	167.59	4429.02
RAMIREZ	216425	599730.649	3467584.363	4596.61	7/25/18	167.71	4428.90
RAMIREZ	216425	599730.649	3467584.363	4596.61	1/14/19	168.26	4428.35
RAMIREZ	216425	599730.649	3467584.363	4596.61	7/9/19	189.06	4407.55
RAMIREZ	216425	599730.649	3467584.363	4596.61	7/30/19	168.94	4427.67
RAMIREZ	216425	599730.649	3467584.363	4596.61	1/13/20	169.12	4427.49
RAMIREZ	216425	599730.649	3467584.363	4596.61	8/6/20	169.88	4426.73
RAMIREZ	216425	599730.649	3467584.363	4596.61	1/8/21	170.56	4426.05
RAMIREZ	216425	599730.649	3467584.363	4596.61	7/29/21	171.34	4425.27
RAMIREZ	216425	599730.649	3467584.363	4596.61	1/27/22	171.82	4424.79
RAMIREZ	216425	599730.649	3467584.363	4596.61	7/7/22	171.94	4424.67
RAMIREZ	216425	599730.649	3467584.363	4596.61	1/11/23	172.13	4424.48
RAMIREZ	216425	599730.649	3467584.363	4596.61	7/21/23	172.78	4423.83
RAMIREZ	216425	599730.649	3467584.363	4596.61	1/17/24	173.59	4423.02
RAMIREZ	216425	599730.649	3467584.363	4596.61	8/5/24	174.49	4422.12
RAMIREZ	216425	599730.649	3467584.363	4596.61	1/28/25	175.49	4421.12

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
RAMIREZ	216425	599730.649	3467584.363	4596.61	7/9/25	176.29	4420.32
RAY	803772	607083.416	3469195.163	4647.91	2/15/08	40.85	4607.06
RAY	803772	607083.416	3469195.163	4647.91	5/13/08	43.82	4604.09
RAY	803772	607083.416	3469195.163	4647.91	7/29/08	45.25	4602.66
RAY	803772	607083.416	3469195.163	4647.91	10/22/08	44.54	4603.37
RAY	803772	607083.416	3469195.163	4647.91	1/20/09	44.31	4603.60
RAY	803772	607083.416	3469195.163	4647.91	4/8/09	44.68	4603.23
RAY	803772	607083.416	3469195.163	4647.91	7/9/09	48.99	4598.92
RAY	803772	607083.416	3469195.163	4647.91	10/7/09	49.87	4598.04
RAY	803772	607083.416	3469195.163	4647.91	1/26/10	47.61	4600.30
RAY	803772	607083.416	3469195.163	4647.91	4/20/10	49.78	4598.13
RAY	803772	607083.416	3469195.163	4647.91	7/14/10	51.36	4596.55
RAY	803772	607083.416	3469195.163	4647.91	10/20/10	49.85	4598.06
RAY	803772	607083.416	3469195.163	4647.91	1/17/11	50.51	4597.40
RAY	803772	607083.416	3469195.163	4647.91	4/5/11	51.84	4596.07
RAY	803772	607083.416	3469195.163	4647.91	7/11/11	55.74	4592.17
RAY	803772	607083.416	3469195.163	4647.91	10/12/11	53.63	4594.28
RAY	803772	607083.416	3469195.163	4647.91	1/31/12	53.21	4594.70
RAY	803772	607083.416	3469195.163	4647.91	4/11/12	54.50	4593.41
RAY	803772	607083.416	3469195.163	4647.91	7/6/12	58.75	4589.16
RAY	803772	607083.416	3469195.163	4647.91	10/3/12	60.98	4586.93
RAY	803772	607083.416	3469195.163	4647.91	1/17/13	56.57	4591.34
RAY	803772	607083.416	3469195.163	4647.91	4/18/13	56.32	4591.59
RAY	803772	607083.416	3469195.163	4647.91	7/9/13	60.30	4587.61
RAY	803772	607083.416	3469195.163	4647.91	10/15/13	44.33	4603.58
RAY	803772	607083.416	3469195.163	4647.91	1/14/14	34.50	4613.41
RAY	803772	607083.416	3469195.163	4647.91	4/8/14	36.72	4611.19
RAY	803772	607083.416	3469195.163	4647.91	7/8/14	43.38	4604.53
RAY	803772	607083.416	3469195.163	4647.91	10/22/14	44.65	4603.26
RAY	803772	607083.416	3469195.163	4647.91	8/4/15	48.31	4599.60
RAY	803772	607083.416	3469195.163	4647.91	7/12/16	53.50	4594.41
RAY	803772	607083.416	3469195.163	4647.91	7/26/17	57.61	4590.30
RAY	803772	607083.416	3469195.163	4647.91	7/31/18	54.96	4592.95
RAY	803772	607083.416	3469195.163	4647.91	7/19/19	55.48	4592.43
RAY	803772	607083.416	3469195.163	4647.91	8/13/20	60.56	4587.35
RAY	803772	607083.416	3469195.163	4647.91	7/23/21	48.66	4599.25
RAY	803772	607083.416	3469195.163	4647.91	7/6/22	52.28	4595.63
RAY	803772	607083.416	3469195.163	4647.91	7/26/23	49.30	4598.61
RAY	803772	607083.416	3469195.163	4647.91	7/25/24	52.39	4595.52
RAY	803772	607083.416	3469195.163	4647.91	7/17/25	53.69	4594.22
ROGERS 596	573596	601001.972	3468490.803	4577.35	11/11/09	135.46	4441.89
ROGERS 596	573596	601001.972	3468490.803	4577.35	2/25/10	135.89	4441.46
ROGERS 596	573596	601001.972	3468490.803	4577.35	4/22/10	135.62	4441.73
ROGERS 596	573596	601001.972	3468490.803	4577.35	7/16/10	136.63	4440.72
ROGERS 596	573596	601001.972	3468490.803	4577.35	10/19/10	136.61	4440.74
ROGERS 596	573596	601001.972	3468490.803	4577.35	1/20/11	134.21	4443.14
ROGERS 596	573596	601001.972	3468490.803	4577.35	4/8/11	137.68	4439.67
ROGERS 596	573596	601001.972	3468490.803	4577.35	7/14/11	138.09	4439.26
ROGERS 596	573596	601001.972	3468490.803	4577.35	10/12/11	138.09	4439.26
ROGERS 596	573596	601001.972	3468490.803	4577.35	1/30/12	137.91	4439.44
ROGERS 596	573596	601001.972	3468490.803	4577.35	4/23/12	138.61	4438.74
ROGERS 596	573596	601001.972	3468490.803	4577.35	7/13/12	139.65	4437.70
ROGERS 596	573596	601001.972	3468490.803	4577.35	10/10/12	139.55	4437.80
ROGERS 596	573596	601001.972	3468490.803	4577.35	1/15/13	139.23	4438.12

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
ROGERS 596	573596	601001.972	3468490.803	4577.35	4/15/13	139.97	4437.38
ROGERS 596	573596	601001.972	3468490.803	4577.35	7/15/13	139.94	4437.41
ROGERS 596	573596	601001.972	3468490.803	4577.35	10/16/13	140.50	4436.85
ROGERS 596	573596	601001.972	3468490.803	4577.35	1/9/14	140.12	4437.23
ROGERS 596	573596	601001.972	3468490.803	4577.35	4/11/14	140.56	4436.79
ROGERS 596	573596	601001.972	3468490.803	4577.35	7/18/14	140.64	4436.71
ROGERS 596	573596	601001.972	3468490.803	4577.35	1/12/16	139.57	4437.78
ROGERS 596	573596	601001.972	3468490.803	4577.35	9/30/17	141.86	4435.49
ROGERS 596	573596	601001.972	3468490.803	4577.35	1/18/18	141.88	4435.47
ROGERS 596	573596	601001.972	3468490.803	4577.35	7/26/18	142.57	4434.78
ROGERS 596	573596	601001.972	3468490.803	4577.35	1/14/19	142.75	4434.60
ROGERS 596	573596	601001.972	3468490.803	4577.35	7/22/19	143.54	4433.81
ROGERS 596	573596	601001.9724	3468490.803	4577.35	1/22/20	143.75	4433.60
ROGERS 596	573596	601001.9724	3468490.803	4577.35	7/22/21	145.37	4431.98
ROGERS 596	573596	601001.9724	3468490.803	4577.35	2/1/22	145.57	4431.78
ROGERS 596	573596	601001.9724	3468490.803	4577.35	7/8/22	146.20	4431.15
ROGERS 596	573596	601001.9724	3468490.803	4577.35	1/13/23	146.50	4430.85
ROGERS 596	573596	601001.9724	3468490.803	4577.35	7/20/23	146.64	4430.71
ROGERS 596	573596	601001.9724	3468490.803	4577.35	1/15/24	147.51	4429.84
ROGERS 596	573596	601001.9724	3468490.803	4577.35	7/26/24	148.21	4429.14
ROGERS 596	573596	601001.9724	3468490.803	4577.35	1/28/25	149.02	4428.33
ROGERS 596	573596	601001.9724	3468490.803	4577.35	7/9/25	149.64	4427.71
ROGERS 803	641803	601003.2737	3468480.392	4576.16	9/30/17	138.83	4437.33
ROGERS 803	641803	601003.2737	3468480.392	4576.16	1/18/18	138.90	4437.26
ROGERS 803	641803	601003.2737	3468480.392	4576.16	7/26/18	139.62	4436.54
ROGERS 803	641803	601003.2737	3468480.392	4576.16	1/14/19	139.92	4436.24
ROGERS 803	641803	601003.2737	3468480.392	4576.16	7/22/19	140.39	4435.77
ROGERS 803	641803	601003.2737	3468480.392	4576.16	1/22/20	140.60	4435.56
ROGERS 803	641803	601003.2737	3468480.392	4576.16	8/11/20	140.82	4435.34
ROGERS 803	641803	601003.2737	3468480.392	4576.16	1/15/24	DRY	DRY
ROGERS 803	641803	601003.2737	3468480.392	4576.16	7/26/24	DRY	DRY
ROGERS 803	641803	601003.2737	3468480.392	4576.16	1/28/25	DRY	DRY
ROGERS 803	641803	601003.2737	3468480.392	4576.16	7/9/25	DRY	DRY
ROGERS E	216018	600449.648	3467636.029	4590.66	7/17/08	149.65	4441.01
ROGERS E	216018	600449.648	3467636.029	4590.66	11/3/08	150.15	4440.51
ROGERS E	216018	600449.648	3467636.029	4590.66	2/10/09	149.02	4441.64
ROGERS E	216018	600449.648	3467636.029	4590.66	4/16/09	149.53	4441.13
ROGERS E	216018	600449.648	3467636.029	4590.66	7/13/09	150.31	4440.35
ROGERS E	216018	600449.648	3467636.029	4590.66	10/6/09	150.76	4439.90
ROGERS E	216018	600449.648	3467636.029	4590.66	1/25/10	150.64	4440.02
ROGERS E	216018	600449.648	3467636.029	4590.66	4/21/10	150.97	4439.69
ROGERS E	216018	600449.648	3467636.029	4590.66	8/25/10	151.15	4439.51
ROGERS E	216018	600449.648	3467636.029	4590.66	10/19/10	151.57	4439.09
ROGERS E	216018	600449.648	3467636.029	4590.66	10/13/11	153.79	4436.87
ROGERS E	216018	600449.648	3467636.029	4590.66	1/30/12	153.56	4437.10
ROGERS E	216018	600449.648	3467636.029	4590.66	4/10/12	154.13	4436.53
ROGERS E	216018	600449.648	3467636.029	4590.66	7/17/12	155.10	4435.56
ROGERS E	216018	600449.648	3467636.029	4590.66	1/17/13	154.56	4436.10
ROGERS E	216018	600449.648	3467636.029	4590.66	4/18/13	155.66	4435.00
ROGERS E	216018	600449.648	3467636.029	4590.66	7/17/13	155.71	4434.95
ROGERS E	216018	600449.648	3467636.029	4590.66	4/14/14	155.97	4434.69
ROGERS E	216018	600449.648	3467636.029	4590.66	7/30/15	155.91	4434.75
ROGERS E	216018	600449.648	3467636.029	4590.66	10/8/15	155.55	4435.11
ROGERS E	216018	600449.648	3467636.029	4590.66	7/26/17	157.46	4433.20

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
ROGERS E	216018	600449.648	3467636.029	4590.66	2/23/18	157.28	4433.38
ROGERS E	216018	600449.648	3467636.029	4590.66	7/13/18	158.53	4432.13
ROGERS E	216018	600449.648	3467636.029	4590.66	1/11/19	159.10	4431.56
ROGERS E	216018	600449.648	3467636.029	4590.66	7/12/19	159.66	4431.00
ROGERS E	216018	600449.648	3467636.029	4590.66	1/21/20	159.76	4430.90
ROGERS E	216018	600449.648	3467636.029	4590.66	8/7/20	160.14	4430.52
ROGERS E	216018	600449.648	3467636.029	4590.66	1/12/21	161.12	4429.54
ROGERS E	216018	600449.648	3467636.029	4590.66	7/14/21	161.68	4428.98
ROGERS E	216018	600449.648	3467636.029	4590.66	2/1/22	162.24	4428.42
ROGERS E	216018	600449.648	3467636.029	4590.66	7/11/22	162.58	4428.08
ROGERS E	216018	600449.648	3467636.029	4590.66	1/24/23	162.73	4427.93
ROGERS E	216018	600449.648	3467636.029	4590.66	7/21/23	163.00	4427.66
ROGERS E	216018	600449.648	3467636.029	4590.66	1/18/24	164.09	4426.57
ROGERS E	216018	600449.648	3467636.029	4590.66	1/27/25	165.67	4424.99
ROGERS E	216018	600449.648	3467636.029	4590.66	7/17/25	166.40	4424.26
RUIZ	531770	602851.84	3471407.239	4735.18	2/5/08	293.29	4441.89
RUIZ	531770	602851.84	3471407.239	4735.18	5/15/08	293.57	4441.61
RUIZ	531770	602851.84	3471407.239	4735.18	7/30/08	293.86	4441.32
RUIZ	531770	602851.84	3471407.239	4735.18	10/20/08	294.18	4441.00
RUIZ	531770	602851.84	3471407.239	4735.18	2/12/09	294.62	4440.56
RUIZ	531770	602851.84	3471407.239	4735.18	4/21/09	294.66	4440.52
RUIZ	531770	602851.84	3471407.239	4735.18	8/3/09	294.98	4440.20
RUIZ	531770	602851.84	3471407.239	4735.18	10/28/09	295.33	4439.85
RUIZ	531770	602851.84	3471407.239	4735.18	2/1/10	295.70	4439.48
RUIZ	531770	602851.84	3471407.239	4735.18	4/26/10	295.96	4439.22
RUIZ	531770	602851.84	3471407.239	4735.18	4/8/11	297.20	4437.98
RUIZ	531770	602851.84	3471407.239	4735.18	4/13/12	298.47	4436.71
RUIZ	531770	602851.84	3471407.239	4735.18	1/11/13	299.39	4435.79
RUIZ	531770	602851.84	3471407.239	4735.18	4/11/13	299.72	4435.46
RUIZ	531770	602851.84	3471407.239	4735.18	7/25/13	300.06	4435.12
RUIZ	531770	602851.84	3471407.239	4735.18	10/17/13	300.07	4435.11
RUIZ	531770	602851.84	3471407.239	4735.18	1/8/14	300.19	4434.99
RUIZ	531770	602851.84	3471407.239	4735.18	4/15/14	300.31	4434.87
RUIZ	531770	602851.84	3471407.239	4735.18	10/21/14	300.38	4434.80
RUIZ	531770	602851.840	3471407.239	4735.18	1/27/15	299.76	4435.42
RUIZ	531770	602851.840	3471407.239	4735.18	7/30/15	299.74	4435.44
RUIZ	531770	602851.840	3471407.239	4735.18	1/12/16	300.20	4434.98
RUIZ	531770	602851.840	3471407.239	4735.18	7/24/18	301.45	4433.73
RUIZ	531770	602851.840	3471407.239	4735.18	1/15/19	301.74	4433.44
RUIZ	531770	602851.840	3471407.239	4735.18	7/10/19	302.08	4433.10
RUIZ 146	232146	602871.368	3471442.508	4731.23	8/12/20	301.12	4430.11
RUIZ 146	232146	602871.368	3471442.508	4731.23	1/12/21	301.48	4429.75
RUIZ 146	232146	602871.368	3471442.508	4731.23	7/21/21	301.91	4429.32
RUIZ 146	232146	602871.368	3471442.508	4731.23	2/1/22	302.53	4428.70
RUIZ 146	232146	602871.368	3471442.508	4731.23	7/12/22	303.12	4428.11
RUIZ 146	232146	602871.368	3471442.508	4731.23	1/13/23	303.68	4427.55
RUIZ 146	232146	602871.368	3471442.508	4731.23	7/21/23	304.21	4427.02
RUIZ 146	232146	602871.368	3471442.508	4731.23	1/16/24	304.73	4426.50
RUIZ 146	232146	602871.3684	3471442.508	4731.23	8/6/24	305.24	4425.99
RUIZ 146	232146	602871.3684	3471442.508	4731.23	2/4/25	305.85	4425.38
RUIZ 146	232146	602871.3684	3471442.508	4731.23	7/17/25	306.31	4424.92
SCHWARTZ	210865	600811.525	3468268.094	4564.49	2/8/08	121.80	4442.69
SCHWARTZ	210865	600811.525	3468268.094	4564.49	5/19/08	123.49	4441.00
SCHWARTZ	210865	600811.525	3468268.094	4564.49	7/29/08	122.64	4441.85

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
SCHWARTZ	210865	600811.525	3468268.094	4564.49	10/22/08	123.39	4441.10
SCHWARTZ	210865	600811.525	3468268.094	4564.49	1/29/09	122.87	4441.62
SCHWARTZ	210865	600811.525	3468268.094	4564.49	4/17/09	123.53	4440.96
SCHWARTZ	210865	600811.525	3468268.094	4564.49	7/10/09	124.15	4440.34
SCHWARTZ	210865	600811.525	3468268.094	4564.49	10/6/09	124.55	4439.94
SCHWARTZ	210865	600811.525	3468268.094	4564.49	1/22/10	124.32	4440.17
SCHWARTZ	210865	600811.525	3468268.094	4564.49	4/21/10	124.65	4439.84
SCHWARTZ	210865	600811.525	3468268.094	4564.49	7/21/10	125.80	4438.69
SCHWARTZ	210865	600811.525	3468268.094	4564.49	10/19/10	126.30	4438.19
SCHWARTZ	210865	600811.525	3468268.094	4564.49	1/17/11	125.35	4439.14
SCHWARTZ	210865	600811.525	3468268.094	4564.49	4/11/11	127.50	4436.99
SCHWARTZ	210865	600811.525	3468268.094	4564.49	7/18/11	127.67	4436.82
SCHWARTZ	210865	600811.525	3468268.094	4564.49	10/12/11	127.51	4436.98
SCHWARTZ	210865	600811.525	3468268.094	4564.49	2/6/12	127.34	4437.15
SCHWARTZ	210865	600811.525	3468268.094	4564.49	4/10/12	127.78	4436.71
SCHWARTZ	210865	600811.525	3468268.094	4564.49	7/16/12	128.84	4435.65
SCHWARTZ	210865	600811.525	3468268.094	4564.49	10/17/12	128.98	4435.51
SCHWARTZ	210865	600811.525	3468268.094	4564.49	3/13/13	128.81	4435.68
SCHWARTZ	210865	600811.525	3468268.094	4564.49	5/14/13	129.60	4434.89
SCHWARTZ	210865	600811.525	3468268.094	4564.49	7/15/13	129.05	4435.44
SCHWARTZ	210865	600811.525	3468268.094	4564.49	10/14/13	130.15	4434.34
SCHWARTZ	210865	600811.525	3468268.094	4564.49	4/9/14	129.77	4434.72
SCHWARTZ	210865	600811.525	3468268.094	4564.49	7/18/14	129.81	4434.68
SCHWARTZ	210865	600811.525	3468268.094	4564.49	10/22/14	129.66	4434.83
SCHWARTZ	210865	600811.525	3468268.094	4564.49	2/3/15	128.66	4435.83
SCHWARTZ	210865	600811.525	3468268.094	4564.49	5/18/15	129.30	4435.19
SCHWARTZ	210865	600811.525	3468268.094	4564.49	8/4/15	129.51	4434.98
SCHWARTZ	210865	600811.525	3468268.094	4564.49	10/8/15	129.34	4435.15
SCHWARTZ	210865	600811.525	3468268.094	4564.49	1/14/16	128.32	4436.17
SCHWARTZ	210865	600811.525	3468268.094	4564.49	7/27/16	130.01	4434.48
SCHWARTZ	210865	600811.525	3468268.094	4564.49	1/24/17	129.86	4434.63
SCHWARTZ	210865	600811.525	3468268.094	4564.49	7/11/17	131.21	4433.28
SCHWARTZ	210865	600811.525	3468268.094	4564.49	1/9/18	130.46	4434.03
SCHWARTZ	210865	600811.525	3468268.094	4564.49	7/11/18	131.96	4432.53
SCHWARTZ	210865	600811.525	3468268.094	4564.49	1/9/19	131.50	4432.99
SCHWARTZ	210865	600811.525	3468268.094	4564.49	1/22/20	132.54	4431.95
SCHWARTZ	210865	600811.525	3468268.094	4564.49	7/22/20	132.76	4431.73
SCHWARTZ	210865	600811.525	3468268.094	4564.49	1/8/21	133.62	4430.87
SCHWARTZ	210865	600811.525	3468268.094	4564.49	7/20/21	134.17	4430.32
SCHWARTZ	210865	600811.525	3468268.094	4564.49	2/1/22	134.83	4429.66
SCHWARTZ	210865	600811.525	3468268.094	4564.49	7/13/22	135.16	4429.33
SCHWARTZ	210865	600811.525	3468268.094	4564.49	1/13/23	135.33	4429.16
SCHWARTZ	210865	600811.525	3468268.094	4564.49	7/20/23	135.60	4428.89
SCHWARTZ	210865	600811.525	3468268.094	4564.49	1/16/24	136.54	4427.95
SCHWARTZ	210865	600811.525	3468268.094	4564.49	7/25/24	137.13	4427.36
SCHWARTZ	210865	600811.525	3468268.094	4564.49	2/4/25	138.06	4426.43
SCHWARTZ	210865	600811.525	3468268.094	4564.49	7/17/25	138.61	4425.88
STEPHENS	808560	606981.7737	3469069.337	4651.22	5/13/08	44.94	4606.28
STEPHENS	808560	606981.7737	3469069.337	4651.22	8/5/08	46.61	4604.61
STEPHENS	808560	606981.7737	3469069.337	4651.22	10/16/08	46.60	4604.62
STEPHENS	808560	606981.7737	3469069.337	4651.22	1/21/09	47.19	4604.03
STEPHENS	808560	606981.774	3469069.337	4651.22	4/8/09	48.45	4602.77
STEPHENS	808560	606981.774	3469069.337	4651.22	7/7/09	49.41	4601.81
STEPHENS	808560	606981.774	3469069.337	4651.22	10/7/09	50.33	4600.89

APPENDIX C
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Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
STEPHENS	808560	606981.774	3469069.337	4651.22	1/26/10	51.13	4600.09
STEPHENS	808560	606981.774	3469069.337	4651.22	4/20/10	51.24	4599.98
STEPHENS	808560	606981.774	3469069.337	4651.22	7/14/10	51.91	4599.31
STEPHENS	808560	606981.774	3469069.337	4651.22	1/18/11	52.98	4598.24
STEPHENS	808560	606981.774	3469069.337	4651.22	7/11/11	54.44	4596.78
STEPHENS	808560	606981.774	3469069.337	4651.22	1/31/12	55.65	4595.57
STEPHENS	808560	606981.774	3469069.337	4651.22	7/9/12	10.69	4640.53
STEPHENS	808560	606981.774	3469069.337	4651.22	1/18/13	10.50	4640.72
STEPHENS	808560	606981.774	3469069.337	4651.22	7/10/13	58.16	4593.06
STEPHENS	808560	606981.774	3469069.337	4651.22	1/14/14	45.51	4605.71
STEPHENS	808560	606981.7737	3469069.337	4651.22	7/8/14	45.39	4605.83
STEPHENS	808560	606981.7737	3469069.337	4651.22	1/26/15	47.91	4603.31
STEPHENS	808560	606981.7737	3469069.337	4651.22	7/24/15	49.71	4601.51
STEPHENS	808560	606981.7737	3469069.337	4651.22	1/11/16	50.88	4600.34
STEPHENS	808560	606981.7737	3469069.337	4651.22	7/12/16	52.64	4598.58
STEPHENS	808560	606981.7737	3469069.337	4651.22	1/17/17	53.09	4598.13
STEPHENS	808560	606981.7737	3469069.337	4651.22	7/14/17	54.15	4597.07
STEPHENS	808560	606981.7737	3469069.337	4651.22	1/15/18	55.74	4595.48
STEPHENS	808560	606981.7737	3469069.337	4651.22	7/30/18	56.02	4595.20
STEPHENS	808560	606981.7737	3469069.337	4651.22	1/15/19	55.85	4595.37
STEPHENS	808560	606981.7737	3469069.337	4651.22	7/11/19	56.20	4595.02
STEPHENS	808560	606981.7737	3469069.337	4651.22	1/14/20	54.02	4597.20
STEPHENS	808560	606981.7737	3469069.337	4651.22	7/20/20	53.58	4597.64
STEPHENS	808560	606981.7737	3469069.337	4651.22	1/13/21	54.94	4596.28
STEPHENS	808560	606981.7737	3469069.337	4651.22	7/21/21	54.09	4597.13
STEPHENS	808560	606981.7737	3469069.337	4651.22	1/28/22	54.90	4596.32
STEPHENS	808560	606981.774	3469069.337	4651.22	7/6/22	55.80	4595.42
STEPHENS	808560	606981.774	3469069.337	4651.22	1/11/23	53.33	4597.89
STEPHENS	808560	606981.774	3469069.337	4651.22	7/25/23	53.37	4597.85
STEPHENS	808560	606981.774	3469069.337	4651.22	1/17/24	54.82	4596.40
STEPHENS	808560	606981.774	3469069.337	4651.22	7/30/24	57.96	4593.26
STEPHENS	808560	606981.774	3469069.337	4651.22	1/31/25	56.84	4594.38
SUNBELT	201531	605998.246	3471735.171	4806.52	2/6/08	352.10	4454.42
SUNBELT	201531	605998.246	3471735.171	4806.52	5/15/08	358.97	4447.55
SUNBELT	201531	605998.246	3471735.171	4806.52	8/5/08	Dry	<4426
SUNBELT	201531	605998.246	3471735.171	4806.52	10/16/08	347.00	4459.52
SUNBELT	201531	605998.246	3471735.171	4806.52	1/21/09	344.78	4461.74
SUNBELT	201531	605998.246	3471735.171	4806.52	4/10/09	349.64	4456.88
SUNBELT	201531	605998.246	3471735.171	4806.52	7/8/09	356.99	4449.53
SUNBELT	201531	605998.246	3471735.171	4806.52	10/5/09	Dry	<4426
SUNBELT	201531	605998.246	3471735.171	4806.52	1/21/10	Dry	<4426
SUNBELT	201531	605998.246	3471735.171	4806.52	4/19/10	Dry	<4426
SUNBELT	201531	605998.246	3471735.171	4806.52	7/12/10	Dry	<4426
SUNBELT	201531	605998.246	3471735.171	4806.52	1/19/11	Dry	<4426
SUNBELT	201531	605998.246	3471735.171	4806.52	8/25/11	Dry	<4426
SUNBELT	201531	605998.246	3471735.171	4806.52	2/3/12	Dry	<4426
SUNBELT	201531	605998.246	3471735.171	4806.52	7/9/12	Dry	<4426
SUNBELT	201531	605998.246	3471735.171	4806.52	9/13/12	Dry	<4426
SUNBELT	201531	605998.246	3471735.171	4806.52	1/17/13	Dry	<4426
SUNBELT	201531	605998.246	3471735.171	4806.52	7/9/13	Dry	<4426
SUNBELT	201531	605998.246	3471735.171	4806.52	1/10/14	Dry	<4426
SUNBELT	201531	605998.246	3471735.171	4806.52	7/8/14	Dry	<4426
TERRY 101	234101	599642.742	3468084.786	4562.55	9/3/21	153.21	4409.34
THOMPSON 151	612151	599543.5606	3467387.294	4597.62	8/9/13	167.86	4429.76

APPENDIX C
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Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
THOMPSON 151	612151	599543.5606	3467387.294	4597.62	10/10/13	167.68	4429.94
THOMPSON 151	612151	599543.5606	3467387.294	4597.62	1/16/14	167.19	4430.43
THOMPSON 151	612151	599543.5606	3467387.294	4597.62	4/14/14	166.98	4430.64
THOMPSON 151	612151	599543.5606	3467387.294	4597.62	7/21/14	167.78	4429.84
THOMPSON 151	612151	599543.5606	3467387.294	4597.62	10/22/14	167.56	4430.06
THOMPSON 151	612151	599543.5606	3467387.294	4597.62	2/2/15	166.56	4431.06
THOMPSON 151	612151	599543.561	3467387.294	4597.62	5/19/15	166.51	4431.11
THOMPSON 151	612151	599543.561	3467387.294	4597.62	8/3/15	167.09	4430.53
THOMPSON 151	612151	599543.561	3467387.294	4597.62	2/4/25	DRY	DRY
THOMPSON 151	612151	599543.561	3467387.294	4597.62	7/15/25	DRY	DRY
THOMPSON 341	218341	599532.241	3467396.849	4596.73	7/28/17	168.34	4428.39
THOMPSON 341	218341	599532.241	3467396.849	4596.73	1/16/18	168.22	4428.51
THOMPSON 341	218341	599532.241	3467396.849	4596.73	7/26/18	169.23	4427.50
THOMPSON 341	218341	599532.241	3467396.849	4596.73	1/11/19	169.81	4426.92
THOMPSON 341	218341	599532.241	3467396.849	4596.73	7/10/19	170.29	4426.44
THOMPSON 341	218341	599532.241	3467396.849	4596.73	1/15/20	170.62	4426.11
THOMPSON 341	218341	599532.241	3467396.849	4596.73	8/12/20	171.37	4425.36
THOMPSON 341	218341	599532.241	3467396.849	4596.73	1/8/21	172.08	4424.65
THOMPSON 341	218341	599532.241	3467396.849	4596.73	7/29/21	172.82	4423.91
THOMPSON 341	218341	599532.241	3467396.849	4596.73	1/31/22	173.19	4423.54
THOMPSON 341	218341	599532.241	3467396.849	4596.73	7/7/22	173.44	4423.29
THOMPSON 341	218341	599532.241	3467396.849	4596.73	8/23/23	174.49	4422.24
THOMPSON 341	218341	599532.241	3467396.849	4596.73	8/15/24	176.05	4420.68
THOMPSON 341	218341	599532.241	3467396.849	4596.73	2/4/25	176.86	4419.87
THOMPSON 341	218341	599532.241	3467396.849	4596.73	7/15/25	177.56	4419.17
TM-02A	522574	604152.059	3472008.794	4808.43	3/4/08	346.62	4461.81
TM-02A	522574	604152.059	3472008.794	4808.43	5/23/08	346.16	4462.27
TM-02A	522574	604152.059	3472008.794	4808.43	8/15/08	353.91	4454.52
TM-02A	522574	604152.059	3472008.794	4808.43	10/30/08	349.45	4458.98
TM-02A	522574	604152.059	3472008.794	4808.43	2/24/09	348.64	4459.79
TM-02A	522574	604152.059	3472008.794	4808.43	5/6/09	349.38	4459.05
TM-02A	522574	604152.059	3472008.794	4808.43	8/12/09	349.13	4459.30
TM-02A	522574	604152.059	3472008.794	4808.43	11/4/09	348.97	4459.46
TM-02A	522574	604152.059	3472008.794	4808.43	3/10/10	348.19	4460.24
TM-02A	522574	604152.059	3472008.794	4808.43	4/6/10	353.86	4454.57
TM-02A	522574	604152.059	3472008.794	4808.43	7/6/10	349.20	4459.23
TM-02A	522574	604152.059	3472008.794	4808.43	2/10/11	347.60	4460.83
TM-02A	522574	604152.059	3472008.794	4808.43	7/13/11	348.14	4460.29
TM-02A	522574	604152.059	3472008.794	4808.43	2/2/12	346.94	4461.49
TM-02A	522574	604152.059	3472008.794	4808.43	8/13/12	344.53	4463.90
TM-02A	522574	604152.059	3472008.794	4808.43	2/14/13	343.50	4464.93
TM-02A	522574	604152.059	3472008.794	4808.43	8/27/13	343.84	4464.59
TM-02A	522574	604152.059	3472008.794	4808.43	2/18/14	341.47	4466.96
TM-02A	522574	604152.059	3472008.794	4808.43	8/12/14	338.50	4469.93
TM-02A	522574	604152.059	3472008.794	4808.43	2/5/15	336.02	4472.41
TM-02A	522574	604152.059	3472008.794	4808.43	9/14/15	334.23	4474.20
TM-02A	522574	604152.059	3472008.794	4808.43	3/16/16	333.52	4474.91
TM-02A	522574	604152.059	3472008.794	4808.43	8/17/16	333.90	4474.53
TM-02A	522574	604152.059	3472008.794	4808.43	3/7/17	335.30	4473.13
TM-02A	522574	604152.059	3472008.794	4808.43	8/1/17	336.32	4472.11
TM-02A	522574	604152.059	3472008.794	4808.43	2/1/18	337.14	4471.29
TM-02A	522574	604152.059	3472008.794	4808.43	7/26/18	337.17	4471.26
TM-02A	522574	604152.059	3472008.794	4808.43	2/11/19	337.53	4470.90
TM-02A	522574	604152.059	3472008.794	4808.43	8/5/19	338.84	4469.59

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
TM-02A	522574	604152.059	3472008.794	4808.43	2/20/20	338.42	4470.01
TM-02A	522574	604152.059	3472008.794	4808.43	7/20/20	337.15	4471.28
TM-02A	522574	604152.059	3472008.794	4808.43	3/17/21	336.28	4472.15
TM-02A	522574	604152.059	3472008.794	4808.43	7/13/21	336.80	4471.63
TM-02A	522574	604152.059	3472008.794	4808.43	3/10/22	338.70	4469.73
TM-02A	522574	604152.059	3472008.794	4808.43	7/26/22	339.34	4469.09
TM-02A	522574	604152.059	3472008.794	4808.43	3/13/23	340.53	4467.90
TM-02A	522574	604152.059	3472008.794	4808.43	8/21/23	341.63	4466.80
TM-02A	522574	604152.059	3472008.794	4808.43	3/19/24	342.52	4465.91
TM-02A	522574	604152.059	3472008.794	4808.43	9/9/24	343.70	4464.73
TM-02A	522574	604152.059	3472008.794	4808.43	2/26/25	344.77	4463.66
TM-02A	522574	604152.059	3472008.794	4808.43	8/26/25	345.90	4462.53
TM-03	522575	606366.13	3473711.046	4897.85	3/12/08	127.14	4770.71
TM-03	522575	606366.13	3473711.046	4897.85	5/20/08	127.40	4770.45
TM-03	522575	606366.13	3473711.046	4897.85	8/6/08	128.02	4769.83
TM-03	522575	606366.13	3473711.046	4897.85	11/12/08	128.00	4769.85
TM-03	522575	606366.13	3473711.046	4897.85	2/26/09	126.94	4770.91
TM-03	522575	606366.13	3473711.046	4897.85	5/13/09	113.86	4783.99
TM-03	522575	606366.13	3473711.046	4897.85	8/18/09	128.80	4769.05
TM-03	522575	606366.13	3473711.046	4897.85	11/10/09	125.38	4772.47
TM-03	522575	606366.13	3473711.046	4897.85	3/2/10	128.02	4769.83
TM-03	522575	606366.13	3473711.046	4897.85	4/14/10	130.56	4767.29
TM-03	522575	606366.13	3473711.046	4897.85	7/7/10	131.25	4766.60
TM-03	522575	606366.13	3473711.046	4897.85	2/1/12	135.04	4762.81
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	2/26/08	158.78	4549.10
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	5/20/08	158.76	4549.12
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	8/4/08	158.80	4549.08
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	10/29/08	158.85	4549.03
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	2/16/09	159.28	4548.60
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	5/13/09	158.81	4549.07
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	8/18/09	158.91	4548.97
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	11/12/09	158.96	4548.92
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	3/8/10	158.99	4548.89
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	4/14/10	159.02	4548.86
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	7/2/10	159.13	4548.75
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	7/21/11	159.88	4548.00
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	7/9/12	161.40	4546.48
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	2/14/13	161.05	4546.83
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	8/19/13	161.30	4546.58
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	7/21/14	162.60	4545.28
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	2/5/15	162.36	4545.52
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	9/10/15	162.94	4544.94
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	3/16/16	162.14	4545.74
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	9/21/16	163.08	4544.80
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	3/7/17	162.83	4545.05
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	7/26/17	163.47	4544.41
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	2/5/18	163.46	4544.42
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	7/16/18	163.96	4543.92
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	1/29/19	162.32	4545.56
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	7/31/19	164.23	4543.65
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	2/20/20	163.15	4544.73
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	8/10/20	166.27	4541.61
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	3/15/21	164.10	4543.78
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	7/21/21	164.61	4543.27

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	3/10/22	163.86	4544.02
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	9/7/22	163.16	4544.72
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	3/14/23	163.44	4544.44
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	8/7/23	164.63	4543.25
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	3/19/24	163.51	4544.37
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	7/11/24	164.30	4543.58
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	3/4/25	165.12	4542.76
TM-06 MILLER	522695	606055.975	3468376.658	4707.88	7/17/25	164.43	4543.45
TM-07	522576	603007.461	3471919.441	4769.20	3/17/21	338.20	4431.00
TM-07	522576	603007.461	3471919.441	4769.20	8/16/21	338.58	4430.62
TM-07	522576	603007.461	3471919.441	4769.20	2/1/22	338.91	4430.29
TM-07	522576	603007.461	3471919.441	4769.20	8/1/22	339.74	4429.46
TM-07	522576	603007.461	3471919.441	4769.20	3/6/23	340.58	4428.62
TM-07	522576	603007.461	3471919.441	4769.20	9/6/23	341.08	4428.12
TM-07	522576	603007.461	3471919.441	4769.20	3/12/24	341.50	4427.70
TM-07	522576	603007.461	3471919.441	4769.20	8/28/24	341.88	4427.32
TM-07	522576	603007.461	3471919.441	4769.20	2/18/25	342.28	4426.92
TM-07	522576	603007.461	3471919.441	4769.20	9/3/25	343.07	4426.13
TM-10 USBP	522696	601586.2685	3471816.397	4741.18	3/15/12	279.30	4461.88
TM-10 USBP	522696	601586.2685	3471816.397	4741.18	4/24/12	279.03	4462.15
TM-10 USBP	522696	601586.2685	3471816.397	4741.18	9/13/12	278.30	4462.88
TM-10 USBP	522696	601586.2685	3471816.397	4741.18	10/19/12	277.45	4463.73
TM-10 USBP	522696	601586.2685	3471816.397	4741.18	3/7/13	276.55	4464.63
TM-10 USBP	522696	601586.2685	3471816.397	4741.18	4/17/13	276.42	4464.76
TM-10 USBP	522696	601586.2685	3471816.397	4741.18	7/23/13	275.99	4465.19
TM-10 USBP	522696	601586.2685	3471816.397	4741.18	11/6/13	254.20	4486.98
TM-10 USBP	522696	601586.2685	3471816.397	4741.18	1/15/14	262.00	4479.18
TM-10 USBP	522696	601586.2685	3471816.397	4741.18	5/15/14	269.39	4471.79
TM-10 USBP	522696	601586.2685	3471816.397	4741.18	7/15/14	271.03	4470.15
TM-10 USBP	522696	601586.268	3471816.397	4741.18	10/16/14	235.11	4506.07
TM-10 USBP	522696	601586.268	3471816.397	4741.18	1/28/15	252.47	4488.71
TM-10 USBP	522696	601586.268	3471816.397	4741.18	7/24/15	264.53	4476.65
TM-10 USBP	522696	601586.268	3471816.397	4741.18	2/2/16	262.66	4478.52
TM-10 USBP	522696	601586.268	3471816.397	4741.18	7/13/16	269.35	4471.83
TM-10 USBP	522696	601586.268	3471816.397	4741.18	1/27/17	259.58	4481.60
TM-10 USBP	522696	601586.268	3471816.397	4741.18	7/17/17	267.41	4473.77
TM-10 USBP	522696	601586.268	3471816.397	4741.18	1/8/18	255.19	4485.99
TM-10 USBP	522696	601586.268	3471816.397	4741.18	7/9/18	266.18	4475.00
TM-10 USBP	522696	601586.268	3471816.397	4741.18	1/8/19	247.36	4493.82
TM-10 USBP	522696	601586.2685	3471816.397	4741.18	7/16/19	259.23	4481.95
TM-10 USBP	522696	601586.2685	3471816.397	4741.18	1/6/20	239.32	4501.86
TM-10 USBP	522696	601586.2685	3471816.397	4741.18	8/3/20	256.07	4485.11
TM-10 USBP	522696	601586.2685	3471816.397	4741.18	1/5/21	261.10	4480.08
TM-10 USBP	522696	601586.2685	3471816.397	4741.18	7/12/21	267.17	4474.01
TM-10 USBP	522696	601586.2685	3471816.397	4741.18	1/24/22	258.46	4482.72
TM-10 USBP	522696	601586.2685	3471816.397	4741.18	7/19/22	267.02	4474.16
TM-10 USBP	522696	601586.2685	3471816.397	4741.18	2/1/23	252.90	4488.28
TM-10 USBP	522696	601586.2685	3471816.397	4741.18	8/3/23	263.80	4477.38
TM-10 USBP	522696	601586.268	3471816.397	4741.18	1/26/24	257.16	4484.02
TM-10 USBP	522696	601586.268	3471816.397	4741.18	8/9/24	253.53	4487.65
TM-10 USBP	522696	601586.268	3471816.397	4741.18	1/31/25	258.65	4482.53
TM-10 USBP	522696	601586.268	3471816.397	4741.18	8/22/25	269.48	4471.70
TM-15 MILLER	522699	599617.331	3471427.504	4729.25	3/20/17	300.54	4428.71
TM-15 MILLER	522699	599617.331	3471427.504	4729.25	8/1/17	300.76	4428.49

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
TM-15 MILLER	522699	599617.331	3471427.504	4729.25	7/18/18	301.32	4427.93
TM-15 MILLER	522699	599617.331	3471427.504	4729.25	8/19/19	301.92	4427.33
TM-15 MILLER	522699	599617.331	3471427.504	4729.25	8/24/20	302.43	4426.82
TM-15 MILLER	522699	599617.331	3471427.504	4729.25	7/12/21	303.14	4426.11
TM-15 MILLER	522699	599617.331	3471427.504	4729.25	7/25/22	303.95	4425.30
TM-15 MILLER	522699	599617.331	3471427.504	4729.25	8/3/23	304.53	4424.72
TM-15 MILLER	522699	599617.331	3471427.504	4729.25	7/31/24	305.49	4423.76
TM-15 MILLER	522699	599617.331	3471427.504	4729.25	8/18/25	306.29	4422.96
TM-16	522578	605588.075	3469842.199	4717.71	3/5/08	81.00	4636.71
TM-16	522578	605588.075	3469842.199	4717.71	5/22/08	81.24	4636.47
TM-16	522578	605588.075	3469842.199	4717.71	8/6/08	81.65	4636.06
TM-16	522578	605588.075	3469842.199	4717.71	11/5/08	81.75	4635.96
TM-16	522578	605588.075	3469842.199	4717.71	2/26/09	81.88	4635.83
TM-16	522578	605588.075	3469842.199	4717.71	5/13/09	82.01	4635.70
TM-16	522578	605588.075	3469842.199	4717.71	8/19/09	82.37	4635.34
TM-16	522578	605588.075	3469842.199	4717.71	11/10/09	82.83	4634.88
TM-16	522578	605588.075	3469842.199	4717.71	3/2/10	83.09	4634.62
TM-16	522578	605588.075	3469842.199	4717.71	4/14/10	83.22	4634.49
TM-16	522578	605588.075	3469842.199	4717.71	7/2/10	83.51	4634.20
TM-16	522578	605588.075	3469842.199	4717.71	7/14/11	80.41	4637.30
TM-16	522578	605588.075	3469842.199	4717.71	7/9/12	72.55	4645.16
TM-16	522578	605588.075	3469842.199	4717.71	8/15/13	61.42	4656.29
TM-16	522578	605588.075	3469842.199	4717.71	8/4/14	62.55	4655.16
TM-16	522578	605588.075	3469842.199	4717.71	2/5/15	58.80	4658.91
TM-16	522578	605588.075	3469842.199	4717.71	9/9/15	60.06	4657.65
TM-16	522578	605588.075	3469842.199	4717.71	3/16/16	60.43	4657.28
TM-16	522578	605588.075	3469842.199	4717.71	8/25/16	59.24	4658.47
TM-16	522578	605588.075	3469842.199	4717.71	3/7/17	61.08	4656.63
TM-16	522578	605588.075	3469842.199	4717.71	7/12/17	62.59	4655.12
TM-16	522578	605588.075	3469842.199	4717.71	2/1/18	60.18	4657.53
TM-16	522578	605588.075	3469842.199	4717.71	8/7/18	62.44	4655.27
TM-16	522578	605588.075	3469842.199	4717.71	2/11/19	58.90	4658.81
TM-16	522578	605588.075	3469842.199	4717.71	7/30/19	61.35	4656.36
TM-16	522578	605588.075	3469842.199	4717.71	2/20/20	58.16	4659.55
TM-16	522578	605588.075	3469842.199	4717.71	7/20/20	60.72	4656.99
TM-16	522578	605588.075	3469842.199	4717.71	2/2/21	61.37	4656.34
TM-16	522578	605588.075	3469842.199	4717.71	7/15/21	63.20	4654.51
TM-16	522578	605588.075	3469842.199	4717.71	3/10/22	61.19	4656.52
TM-16	522578	605588.075	3469842.199	4717.71	7/26/22	60.99	4656.72
TM-16	522578	605588.075	3469842.199	4717.71	3/13/23	60.15	4657.56
TM-16	522578	605588.075	3469842.199	4717.71	8/7/23	61.93	4655.78
TM-16	522578	605588.075	3469842.199	4717.71	3/19/24	61.19	4656.52
TM-16	522578	605588.075	3469842.199	4717.71	7/11/24	62.56	4655.15
TM-16	522578	605588.075	3469842.199	4717.71	2/27/25	62.81	4654.90
TM-16	522578	605588.075	3469842.199	4717.71	7/14/25	64.36	4653.35
TM-42	562554	603698.271	3469104.903	4666.67	3/5/08	211.04	4455.63
TM-42	562554	603698.271	3469104.903	4666.67	5/22/08	210.98	4455.69
TM-42	562554	603698.271	3469104.903	4666.67	8/6/08	211.55	4455.12
TM-42	562554	603698.271	3469104.903	4666.67	11/6/08	207.05	4459.62
TM-42	562554	603698.271	3469104.903	4666.67	2/18/09	212.31	4454.36
TM-42	562554	603698.271	3469104.903	4666.67	5/7/09	212.37	4454.30
TM-42	562554	603698.271	3469104.903	4666.67	8/18/09	212.77	4453.90
TM-42	562554	603698.271	3469104.903	4666.67	11/3/09	213.05	4453.62
TM-42	562554	603698.271	3469104.903	4666.67	2/24/10	213.36	4453.31

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
TM-42	562554	603698.271	3469104.903	4666.67	4/19/10	213.51	4453.16
TM-42	562554	603698.271	3469104.903	4666.67	7/2/10	213.52	4453.15
TM-42	562554	603698.271	3469104.903	4666.67	7/12/11	214.62	4452.05
TM-42	562554	603698.271	3469104.903	4666.67	7/11/12	216.10	4450.57
TM-42	562554	603698.271	3469104.903	4666.67	2/12/13	216.55	4450.12
TM-42	562554	603698.271	3469104.903	4666.67	8/28/13	217.38	4449.29
TM-42	562554	603698.271	3469104.903	4666.67	7/21/14	218.33	4448.34
TM-42	562554	603698.271	3469104.903	4666.67	2/4/15	218.87	4447.80
TM-42	562554	603698.271	3469104.903	4666.67	9/10/15	219.31	4447.36
TM-42	562554	603698.271	3469104.903	4666.67	3/16/16	219.55	4447.12
TM-42	562554	603698.271	3469104.903	4666.67	8/18/16	219.89	4446.78
TM-42	562554	603698.271	3469104.903	4666.67	3/7/17	220.35	4446.32
TM-42	562554	603698.271	3469104.903	4666.67	7/26/17	220.54	4446.13
TM-42	562554	603698.271	3469104.903	4666.67	2/5/18	220.81	4445.86
TM-42	562554	603698.271	3469104.903	4666.67	8/6/18	221.12	4445.55
TM-42	562554	603698.271	3469104.903	4666.67	1/29/19	221.36	4445.31
TM-42	562554	603698.271	3469104.903	4666.67	8/7/19	221.71	4444.96
TM-42	562554	603698.271	3469104.903	4666.67	2/20/20	222.15	4444.52
TM-42	562554	603698.271	3469104.903	4666.67	8/10/20	222.31	4444.36
TM-42	562554	603698.271	3469104.903	4666.67	3/15/21	222.60	4444.07
TM-42	562554	603698.271	3469104.903	4666.67	7/21/21	222.82	4443.85
TM-42	562554	603698.271	3469104.903	4666.67	3/10/22	223.20	4443.47
TM-42	562554	603698.271	3469104.903	4666.67	9/7/22	223.93	4442.74
TM-42	562554	603698.271	3469104.903	4666.67	3/14/23	224.26	4442.41
TM-42	562554	603698.271	3469104.903	4666.67	8/29/23	224.46	4442.21
TM-42	562554	603698.271	3469104.903	4666.67	3/19/24	224.81	4441.86
TM-42	562554	603698.271	3469104.903	4666.67	7/11/24	225.20	4441.47
TM-42	562554	603698.271	3469104.903	4666.67	3/4/25	225.66	4441.01
TM-42	562554	603698.271	3469104.903	4666.67	8/6/25	225.75	4440.92
TVI 236	802236	600552.215	3467978.431	4561.98	5/7/08	123.30	4438.68
TVI 236	802236	600552.215	3467978.431	4561.98	7/15/08	121.55	4440.43
TVI 236	802236	600552.215	3467978.431	4561.98	10/15/08	122.35	4439.63
TVI 236	802236	600552.215	3467978.431	4561.98	2/11/09	121.28	4440.70
TVI 236	802236	600552.215	3467978.431	4561.98	4/17/09	122.73	4439.25
TVI 236	802236	600552.215	3467978.431	4561.98	7/21/09	123.96	4438.02
TVI 236	802236	600552.215	3467978.431	4561.98	10/19/09	123.88	4438.10
TVI 236	802236	600552.215	3467978.431	4561.98	2/2/10	122.26	4439.72
TVI 236	802236	600552.215	3467978.431	4561.98	4/23/10	122.70	4439.28
TVI 236	802236	600552.215	3467978.431	4561.98	7/15/10	125.08	4436.90
TVI 236	802236	600552.215	3467978.431	4561.98	7/15/11	127.23	4434.75
TVI 236	802236	600552.215	3467978.431	4561.98	7/16/12	127.81	4434.17
TVI 236	802236	600552.215	3467978.431	4561.98	10/9/12	128.45	4433.53
TVI 236	802236	600552.215	3467978.431	4561.98	7/18/13	127.38	4434.60
TVI 236	802236	600552.215	3467978.431	4561.98	7/16/14	129.24	4432.74
TVI 236	802236	600552.215	3467978.431	4561.98	2/2/15	126.81	4435.17
TVI 236	802236	600552.215	3467978.431	4561.98	5/19/15	128.38	4433.60
TVI 236	802236	600552.215	3467978.431	4561.98	7/30/15	128.31	4433.67
TVI 236	802236	600552.215	3467978.431	4561.98	10/7/15	127.26	4434.72
TVI 236	802236	600552.215	3467978.431	4561.98	1/12/16	126.49	4435.49
TVI 236	802236	600552.215	3467978.431	4561.98	7/20/16	128.90	4433.08
TVI 236	802236	600552.215	3467978.431	4561.98	9/26/16	128.26	4433.72
TVI 236	802236	600552.215	3467978.431	4561.98	1/27/17	128.57	4433.41
TVI 236	802236	600552.215	3467978.431	4561.98	7/31/17	128.59	4433.39
TVI 236	802236	600552.215	3467978.431	4561.98	1/17/18	129.66	4432.32

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
TVI 236	802236	600552.215	3467978.431	4561.98	7/27/18	130.16	4431.82
TVI 236	802236	600552.215	3467978.431	4561.98	1/16/19	130.67	4431.31
TVI 236	802236	600552.215	3467978.431	4561.98	7/24/19	130.87	4431.11
TVI 236	802236	600552.215	3467978.431	4561.98	1/21/20	130.92	4431.06
TVI 236	802236	600552.215	3467978.431	4561.98	8/11/20	131.43	4430.55
TVI 236	802236	600552.215	3467978.431	4561.98	1/12/21	132.30	4429.68
TVI 236	802236	600552.215	3467978.431	4561.98	7/21/21	132.88	4429.10
TVI 236	802236	600552.215	3467978.431	4561.98	2/1/22	133.47	4428.51
TVI 236	802236	600552.215	3467978.431	4561.98	8/3/22	133.75	4428.23
TVI 236	802236	600552.215	3467978.431	4561.98	2/16/23	133.93	4428.05
TVI 236	802236	600552.215	3467978.431	4561.98	8/8/23	133.42	4428.56
TVI 236	802236	600552.215	3467978.431	4561.98	2/21/24	135.26	4426.72
TVI 236	802236	600552.215	3467978.431	4561.98	8/16/24	135.84	4426.14
TVI 236	802236	600552.215	3467978.431	4561.98	1/28/25	136.73	4425.25
TVI 236	802236	600552.215	3467978.431	4561.98	7/15/25	137.45	4424.53
TVI 713	567713	600729.095	3468412.946	4567.22	5/7/08	127.10	4440.12
TVI 713	567713	600729.095	3468412.946	4567.22	7/14/08	126.30	4440.92
TVI 713	567713	600729.095	3468412.946	4567.22	10/15/08	130.00	4437.22
TVI 713	567713	600729.095	3468412.946	4567.22	2/11/09	149.87	4417.35
TVI 713	567713	600729.095	3468412.946	4567.22	4/17/09	126.73	4440.49
TVI 713	567713	600729.095	3468412.946	4567.22	7/21/09	127.36	4439.86
TVI 713	567713	600729.095	3468412.946	4567.22	10/19/09	127.79	4439.43
TVI 713	567713	600729.095	3468412.946	4567.22	2/2/10	126.71	4440.51
TVI 713	567713	600729.095	3468412.946	4567.22	4/23/10	127.53	4439.69
TVI 713	567713	600729.095	3468412.946	4567.22	7/15/10	129.14	4438.08
TVI 713	567713	600729.095	3468412.946	4567.22	10/20/10	130.84	4436.38
TVI 713	567713	600729.095	3468412.946	4567.22	1/20/11	134.36	4432.86
TVI 713	567713	600729.095	3468412.946	4567.22	4/11/11	135.72	4431.50
TVI 713	567713	600729.095	3468412.946	4567.22	7/15/11	131.61	4435.61
TVI 713	567713	600729.095	3468412.946	4567.22	10/12/11	130.33	4436.89
TVI 713	567713	600729.095	3468412.946	4567.22	2/3/12	130.01	4437.21
TVI 713	567713	600729.095	3468412.946	4567.22	4/25/12	131.33	4435.89
TVI 713	567713	600729.095	3468412.946	4567.22	7/16/12	131.97	4435.25
TVI 713	567713	600729.095	3468412.946	4567.22	10/9/12	132.16	4435.06
TVI 713	567713	600729.095	3468412.946	4567.22	2/6/13	131.14	4436.08
TVI 713	567713	600729.095	3468412.946	4567.22	4/10/13	132.08	4435.14
TVI 713	567713	600729.095	3468412.946	4567.22	7/18/13	131.72	4435.50
TVI 713	567713	600729.095	3468412.946	4567.22	10/8/13	133.10	4434.12
TVI 713	567713	600729.095	3468412.946	4567.22	1/9/14	132.37	4434.85
TVI 713	567713	600729.095	3468412.946	4567.22	4/9/14	132.93	4434.29
TVI 713	567713	600729.095	3468412.946	4567.22	7/16/14	132.57	4434.65
TVI 713	567713	600729.095	3468412.946	4567.22	10/9/14	132.29	4434.93
TVI 713	567713	600729.095	3468412.946	4567.22	1/29/15	132.01	4435.21
TVI 713	567713	600729.095	3468412.946	4567.22	5/18/15	132.34	4434.88
TVI 713	567713	600729.095	3468412.946	4567.22	7/30/15	132.71	4434.51
TVI 713	567713	600729.095	3468412.946	4567.22	10/7/15	132.00	4435.22
TVI 713	567713	600729.095	3468412.946	4567.22	1/12/16	131.34	4435.88
TVI 713	567713	600729.095	3468412.946	4567.22	7/14/16	133.11	4434.11
TVI 713	567713	600729.095	3468412.946	4567.22	1/27/17	132.88	4434.34
TVI 713	567713	600729.095	3468412.946	4567.22	7/13/17	134.08	4433.14
TVI 713	567713	600729.095	3468412.946	4567.22	1/10/18	134.24	4432.98
TVI 713	567713	600729.095	3468412.946	4567.22	7/12/18	134.83	4432.39
TVI 713	567713	600729.095	3468412.946	4567.22	1/10/19	134.87	4432.35
TVI 713	567713	600729.095	3468412.946	4567.22	7/18/19	135.59	4431.63

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
TVI 713	567713	600729.095	3468412.946	4567.22	3/23/20	135.43	4431.79
TVI 713	567713	600729.095	3468412.946	4567.22	8/6/20	135.81	4431.41
TVI 713	567713	600729.095	3468412.946	4567.22	1/7/21	136.57	4430.65
TVI 713	567713	600729.095	3468412.946	4567.22	7/15/21	137.15	4430.07
TVI 713	567713	600729.095	3468412.946	4567.22	1/26/22	137.84	4429.38
TVI 713	567713	600729.095	3468412.946	4567.22	8/1/22	138.07	4429.15
TVI 713	567713	600729.095	3468412.946	4567.22	2/15/23	138.38	4428.84
TVI 713	567713	600729.095	3468412.946	4567.22	8/7/23	138.64	4428.58
TVI 713	567713	600729.095	3468412.946	4567.22	2/7/24	139.61	4427.61
TVI 713	567713	600729.095	3468412.946	4567.22	8/8/24	140.11	4427.11
TVI 713	567713	600729.095	3468412.946	4567.22	2/6/25	140.99	4426.23
TVI 713	567713	600729.095	3468412.946	4567.22	8/21/25	141.70	4425.52
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	2/15/08	143.31	4443.58
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	5/7/08	143.90	4442.99
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	7/16/08	144.22	4442.67
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	10/28/08	145.81	4441.08
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	1/29/09	143.99	4442.90
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	4/15/09	144.38	4442.51
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	7/15/09	144.99	4441.90
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	10/15/09	145.66	4441.23
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	2/2/10	145.28	4441.61
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	4/22/10	145.72	4441.17
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	7/19/10	146.46	4440.43
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	10/20/10	147.11	4439.78
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	1/17/11	146.72	4440.17
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	4/11/11	146.31	4440.58
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	8/26/11	148.06	4438.83
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	10/13/11	148.30	4438.59
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	2/1/12	148.23	4438.66
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	4/25/12	148.82	4438.07
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	7/13/12	149.79	4437.10
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	10/11/12	149.73	4437.16
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	1/16/13	149.49	4437.40
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	4/17/13	150.16	4436.73
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	7/18/13	150.24	4436.65
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	10/17/13	150.69	4436.20
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	1/16/14	150.08	4436.81
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	4/11/14	150.75	4436.14
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	7/18/14	150.85	4436.04
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	10/9/14	150.89	4436.00
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	2/2/15	150.01	4436.88
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	5/18/15	150.25	4436.64
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	8/4/15	150.72	4436.17
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	10/8/15	150.47	4436.42
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	1/12/16	151.01	4435.88
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	7/26/16	150.95	4435.94
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	1/16/17	151.31	4435.58
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	7/24/17	151.59	4435.30
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	1/12/18	152.06	4434.83
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	7/16/18	152.74	4434.15
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	1/14/19	153.39	4433.50
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	7/23/19	153.77	4433.12
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	1/16/20	154.08	4432.81
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	7/23/20	154.23	4432.66

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	1/11/21	154.86	4432.03
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	7/26/21	155.57	4431.32
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	1/28/22	156.25	4430.64
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	7/13/22	156.48	4430.41
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	2/1/23	156.76	4430.13
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	7/26/23	156.91	4429.98
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	1/18/24	156.30	4430.59
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	7/26/24	158.48	4428.41
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	1/28/25	159.17	4427.72
WEISKOPF 802	641802	601154.951	3468658.855	4586.89	7/16/25	159.88	4427.01
WEISKOPF 897	220897	601096.787	3468647.350	4585.70	12/6/12	149.27	4436.43
WEISKOPF 897	220897	601096.787	3468647.350	4585.70	1/16/13	148.70	4437.00
WEISKOPF 897	220897	601096.787	3468647.350	4585.70	4/17/13	149.80	4435.90
WEISKOPF 897	220897	601096.787	3468647.350	4585.70	7/18/13	150.15	4435.55
WEISKOPF 897	220897	601096.787	3468647.350	4585.70	10/17/13	150.38	4435.32
WEISKOPF 897	220897	601096.787	3468647.350	4585.70	1/16/14	149.78	4435.92
WEISKOPF 897	220897	601096.787	3468647.350	4585.70	4/11/14	150.50	4435.20
WEISKOPF 897	220897	601096.787	3468647.350	4585.70	7/18/14	150.55	4435.15
WEISKOPF 897	220897	601096.787	3468647.350	4585.70	10/9/14	150.34	4435.36
WEISKOPF 897	220897	601096.787	3468647.350	4585.70	5/18/15	149.95	4435.75
WEISKOPF 897	220897	601096.787	3468647.350	4585.70	8/4/15	150.31	4435.39
WEISKOPF 897	220897	601096.787	3468647.350	4585.70	7/26/16	150.63	4435.07
WEISKOPF 897	220897	601096.787	3468647.350	4585.70	7/24/17	151.52	4434.18
WEISKOPF 897	220897	601096.787	3468647.350	4585.70	7/16/18	152.37	4433.33
WEISKOPF 897	220897	601096.787	3468647.350	4585.70	7/23/19	153.41	4432.29
WEISKOPF 897	220897	601096.787	3468647.350	4585.70	7/23/20	154.84	4430.86
WEISKOPF 897	220897	601096.787	3468647.350	4585.70	7/26/21	155.25	4430.45
WEISKOPF 897	220897	601096.787	3468647.350	4585.70	7/13/22	156.16	4429.54
WEISKOPF 897	220897	601096.787	3468647.350	4585.70	7/26/23	156.61	4429.09
WEISKOPF 897	220897	601096.787	3468647.350	4585.70	7/26/24	158.41	4427.29
WEISKOPF 897	220897	601096.787	3468647.350	4585.70	1/28/25	158.77	4426.93
WEISKOPF 897	220897	601096.787	3468647.350	4585.70	7/16/25	159.49	4426.21
ZANDER	205126	599678.884	3467998.533	4580.94	2/4/08	144.85	4436.09
ZANDER	205126	599678.884	3467998.533	4580.94	5/6/08	145.33	4435.61
ZANDER	205126	599678.884	3467998.533	4580.94	7/16/08	146.40	4434.54
ZANDER	205126	599678.884	3467998.533	4580.94	10/28/08	146.01	4434.93
ZANDER	205126	599678.884	3467998.533	4580.94	2/10/09	144.83	4436.11
ZANDER	205126	599678.884	3467998.533	4580.94	4/16/09	144.94	4436.00
ZANDER	205126	599678.884	3467998.533	4580.94	7/14/09	146.14	4434.80
ZANDER	205126	599678.884	3467998.533	4580.94	10/13/09	146.77	4434.17
ZANDER	205126	599678.884	3467998.533	4580.94	1/26/10	146.34	4434.60
ZANDER	205126	599678.884	3467998.533	4580.94	4/22/10	146.27	4434.67
ZANDER	205126	599678.884	3467998.533	4580.94	7/21/10	147.81	4433.13
ZANDER	205126	599678.884	3467998.533	4580.94	10/19/10	147.80	4433.14
ZANDER	205126	599678.884	3467998.533	4580.94	1/18/11	147.52	4433.42
ZANDER	205126	599678.884	3467998.533	4580.94	4/6/11	147.84	4433.10
ZANDER	205126	599678.884	3467998.533	4580.94	7/13/11	148.91	4432.03
ZANDER	205126	599678.884	3467998.533	4580.94	10/12/11	149.50	4431.44
ZANDER	205126	599678.884	3467998.533	4580.94	1/31/12	149.31	4431.63
ZANDER	205126	599678.884	3467998.533	4580.94	4/10/12	149.64	4431.30
ZANDER	205126	599678.884	3467998.533	4580.94	7/17/12	150.63	4430.31
ZANDER	205126	599678.884	3467998.533	4580.94	10/8/12	150.92	4430.02
ZANDER	205126	599678.884	3467998.533	4580.94	1/10/13	150.89	4430.05
ZANDER	205126	599678.884	3467998.533	4580.94	4/18/13	151.36	4429.58

APPENDIX C
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	UTM East (meters)	UTM North (meters)	Measuring Point Elevation (ft amsl)	Date	Depth To Water (feet)	Groundwater Elevation (ft amsl)
ZANDER	205126	599678.884	3467998.533	4580.94	7/15/13	152.14	4428.80
ZANDER	205126	599678.884	3467998.533	4580.94	10/7/13	151.65	4429.29
ZANDER	205126	599678.884	3467998.533	4580.94	1/7/14	151.10	4429.84
ZANDER	205126	599678.884	3467998.533	4580.94	4/9/14	150.81	4430.13
ZANDER	205126	599678.884	3467998.533	4580.94	7/17/14	152.02	4428.92
ZANDER	205126	599678.884	3467998.533	4580.94	8/3/15	150.65	4430.29
ZANDER	205126	599678.884	3467998.533	4580.94	10/8/15	150.10	4430.84
ZANDER	205126	599678.884	3467998.533	4580.94	1/12/16	149.46	4431.48
ZANDER	205126	599678.884	3467998.533	4580.94	7/15/16	151.25	4429.69
ZANDER	205126	599678.884	3467998.533	4580.94	1/27/17	152.14	4428.80
ZANDER	205126	599678.884	3467998.533	4580.94	7/24/17	152.63	4428.31
ZANDER	205126	599678.884	3467998.533	4580.94	1/16/18	152.03	4428.91
ZANDER	205126	599678.884	3467998.533	4580.94	7/24/18	153.67	4427.27
ZANDER	205126	599678.884	3467998.533	4580.94	1/11/19	154.15	4426.79
ZANDER	205126	599678.884	3467998.533	4580.94	7/16/19	154.82	4426.12
ZANDER	205126	599678.884	3467998.533	4580.94	1/17/20	154.93	4426.01
ZANDER	205126	599678.884	3467998.533	4580.94	8/11/20	155.71	4425.23
ZANDER	205126	599678.884	3467998.533	4580.94	1/12/21	156.33	4424.61
ZANDER	205126	599678.884	3467998.533	4580.94	7/27/21	157.15	4423.79
ZANDER	205126	599678.884	3467998.533	4580.94	1/28/22	157.46	4423.48
ZANDER	205126	599678.884	3467998.533	4580.94	7/14/22	157.74	4423.20
ZANDER	205126	599678.884	3467998.533	4580.94	1/12/23	157.72	4423.22

Notes:

35-71891 = ADWR 35 Database

ADWR = Arizona Department of Water Resources

ft amsl = feet above mean sea level

NR = no record

UTM = Universal Transverse Mercator Zone 12, North American Datum 1983 (NAD83)

Appendix D

Data Verification Report

CLEAR CREEK ASSOCIATES

Appendix D
Data Verification Report
Annual Groundwater Monitoring Report for Report for 2025

Prepared for

Freeport Minerals Corporation
Copper Queen Branch
Bisbee, Arizona

Prepared by

CLEAR CREEK ASSOCIATES

a Geo-Logic Company

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Project # CC18.1080.00

March 18, 2026

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1. Introduction

This report summarizes the data verification review of field measurements, groundwater sampling, and laboratory analyses conducted during 2025 by Clear Creek Associates and Freeport Minerals Corporation, Copper Queen Branch (CQB) pursuant to Mitigation Order on Consent Docket No. P-121-07 (ADEQ, 2007). Clear Creek Associates and CQB collected groundwater samples according to the groundwater monitoring program described by the Mitigation Plan (Clear Creek Associates, 2015) and subsequent modifications recommended by the 2018 Mitigation Performance Review (Clear Creek Associates, 2019) and the 2023 Mitigation Performance Review (Clear Creek Associates, 2024). Analytical results for groundwater samples collected for this project during 2025 were reported to Clear Creek Associates by SVL Analytical, Inc. (SVL) of Kellogg, Idaho and Turner Laboratories, Inc. (Turner) of Tucson, Arizona. Clear Creek Associates compiled and evaluated the analytical results for preparation of this report.

Quality assurance (QA) and quality control (QC) procedures for groundwater monitoring are specified in the Quality Assurance Project Plan for Aquifer Characterization Plan (QAPP) (Appendix F of Hydro Geo Chem, Inc., 2008), including water level measurement, groundwater sampling, chain-of-custody (COC) documentation, laboratory analysis, and reporting. This report reviews field sampling procedures for samples collected by Clear Creek Associates and CQB. Additionally, sample handling and laboratory QA/QC data are evaluated according to the data quality indicators (DQIs) in the QAPP.

The laboratory reports for the 2025 groundwater samples are in Appendix B of this annual report, including COC forms, laboratory correspondence, QC summaries, data qualifiers, and internal QA/QC tests performed by the laboratory. Based on the results of laboratory control samples, matrix spike/recovery and blank spikes, neither SVL nor Turner advised any modifications regarding the usability and data validation status of the laboratory results. The analytical results for 155 samples collected by Clear Creek Associates and CQB in 2025 are contained in 16 reports with the SVL and Turner laboratory identification numbers listed in the following tables.

LAB ID	Q1 WELLS REPORTED
Number of wells sampled: 43 Number of well samples collected (including duplicates and multiple samples from one well): 46 Number of duplicate samples collected: 3 Number of field and equipment blanks collected: 6 Total number of samples collected: 52	
25A0728	DUP20250127, FB20250127, EQB20250127, POWER 639, WEED, ROGERS E, TVI 236, ROGERS 596, AWC-05, AWC-03, AWC-02, AWC-04, BMO-2010-3B, BMO-2010-3M, PANAGAKOS, TM-10-USBP
25B0213	BMO-2015-2B, BMO-2015-2BL, BMO-2015-1BL, BMO-2015-1B, BMO-2014-4B, BMO-2014-4BL, DUP20250204, RUIZ 146, FB20250204, EQB20250204, SCHWARTZ, KEEFER, COOPER 988, DUP20250206, BMO-2014-2BU, BMO-2014-2BL, BMO-2014-1BL, FB20150206, EQB20150206, BMO-2014-3BU, BMO-2014-3BL, DODSON, NWC-06, NWC-02, NWC-04
25B0349	COB MW-2, COB WL
X5A0363	BMO-2008-11G, BMO-2008-1G, BMO-2012-1M
X5B0260	BMO-2008-6M, BMO-2008-6B, BMO-2008-5M, BMO-2008-5B, BMO-2008-3B, TM-7
LAB ID	**Q2 WELLS REPORTED**
Number of wells sampled: 1 Number of well samples collected (including duplicates and multiple samples from one well): 1 Number of duplicate samples collected: 0 Number of field and equipment blanks collected: 0 Total number of samples collected: 1	
25D0530	NWC-04
LAB ID	**Q3 WELLS REPORTED**
Number of wells sampled: 86 Number of well samples collected (including duplicates and multiple samples from one well): 91 Number of duplicate samples collected: 5 Number of field and equipment blanks collected: 10 Total number of samples collected: 101	
25G0370	GARNER 635, DUP250707, EQB250707, FB250707, ANDERSON 438, MCCONNELL, KEEFER, WEED, BANKS 986, ROGERS 596, RAMIREZ, OLMOS, MOORE, ECHAVE, BIMA, LAIR, COOPER 988
X5G0301	BMO-2008-1G, BMO-2008-9M, BMO-2012-1M, TM-16, BMO-2010-1M, BMO-2010-2M, TM-6
25G0584	AWC-04, AWC-03, AWC-05, AWC-02, BMO-2010-3B, BMO-2010-3M, RAY, NESS, NOTEMAN, NWC-04, NWC-02, NWC-06
25G0568	HOWARD 312, HOWARD NR, DUP250715, TVI236, FB250715, EQB250715, PIONKE 517, THOMPSON 341, WEISKOPF 897, FRANCO 383, DODSON, RUIZ 146, ROGERS E, PANAGAKOS, SCHWARTZ, BURKE, PARRA
X5H0198	BMO-2008-6M, BMO-2008-6B, BMO-2008-5M, BMO-2008-5B, DUP-080425, BMO-2008-10GU, BMO-2008-10GL, TM-42, TM-19A, BMO-2008-3B, BMO-2008-11G
X5H0527	TM-15, BMO-2008-13B, BMO-2008-13M, BMO-2008-8M, BMO-2008-7M, BMO-2008-8B, TM-2A
X510119	HOBAN, TM-7, EQB-090325, FB-090325
25H0629	DUP250818, FB250818, EQB250818, POWER639, PALMER, FULTZ, BMO-2015-2B, BMO-2015-2BL, BMO-2015-1BL, BMO-2015-1B, BMO-2014-4B, BMO-2014-4BL, COB MW-3, COB MW-2, BMO-2014-2BL, BMO-2014-2BU, BMO-2014-1BL, DUP250821, FB250821, EQB250821,BMO-2014-3BL, BMO-2014-3BU, TM-10 USBP, EAST
25H0670	COB MW-1B, POOL
LAB ID	**Q4 WELLS REPORTED**
Number of wells sampled: 1 Number of well samples collected (including duplicates and multiple samples from one well): 1 Number of duplicate samples collected: 0 Number of field and equipment blanks collected: 0 Total number of samples collected: 1	
25J0538	NWC-04

2. Operations

Field operations for this project consisted of the following for all wells sampled by Clear Creek Associates and CQB:

- Static water level measurement, if possible,
- Well purging, if needed,
- Collection of water quality field parameters (pH in standard units [SU], specific conductance [SC] in microSiemens per centimeter [µS/cm], and temperature in degrees Celsius [°C]),
- Collection of groundwater samples for water quality analysis,
- Collection of groundwater QA and QC samples per requirements in the QAPP, and
- Equipment decontamination.

Field notebook entries and sampling forms were evaluated for quality assurance and met the documentation requirements stated in the QAPP.

2.1 Water Level Monitoring

Static water level measurements were attempted at each well that was sampled (where there are no known obstructions or lack of wellhead access to prevent static water level measurement) and at all wells where water level only monitoring was conducted. Water levels at pumping wells were measured while the well pump was off whenever possible. Because it is not always possible to ascertain how long the pump had been off prior to the water level measurement, some water levels may be affected by residual drawdown. If a well was pumping during the water level measurement, the pumping status of the well was noted on the field sheet. Before measuring the water level at each well, the battery on the water level indicator was checked and the sensitivity level was adjusted, if necessary. Depth to water below a surveyed measuring point was measured to the nearest 0.01 feet. Water levels collected by field staff were verified by measuring the depth to water multiple times in order to obtain a consistent reading and accurate measurement.

2.2 Groundwater Sampling

Groundwater samples were collected from operable and accessible wells designated for water quality sampling under the Mitigation Plan (Clear Creek Associates, 2015) and the 2018 and 2023 Mitigation Performance Reviews (Clear Creek, 2019 and 2023). All wells sampled contained

dedicated submersible pumps. Location information for the wells sampled for water quality and water level measurements is listed in Appendix C of the main text.

2.2.1 Pre-Sampling Field Activities

The pH[1] and SC[2] multipurpose meters were calibrated on each day of sampling. In addition, the water level indicator was checked for a signal, which indicates a working meter and sufficient battery strength. On each day where sampling extended for more than half a day, a mid-day calibration check was performed on the pH and SC meters. In addition to calibrating the instruments daily, measures were taken to 1) properly decontaminate field equipment, 2) ensure the appropriate storage and transport temperature of the samples, and 3) document activities related to the collection of groundwater samples as part of this project. These objectives were met by 1) replenishing or obtaining supplies of distilled water and ice daily, 2) use of the proper preservative and sample collection containers, 3) properly packing the samples on ice during field activities, 4) using distilled water to properly decontaminate field equipment prior to the start of sampling each day and after sampling at each well, and 5) obtaining the appropriate field notebook in order to document field activities related to the groundwater monitoring program.

2.2.2 Well Purging, Field Measurements, and Sample Collection

Three wetted casing volumes were purged from each well prior to sampling, when possible. However, when three casing volumes could not be purged, this information was noted on the groundwater sampling form (Appendix A of the annual report). Purge water was discharged to the ground surface.

Field measurements of pH, temperature, and specific conductance were collected at varying intervals during well purging at each well where a water quality sample was collected. If possible, field parameters were monitored until the measurements stabilized within 0.3 SU for pH, 2° C for temperature and 100 µS/cm for specific conductance as described in Section 4.2.1.2 of the QAPP.

In 2025, 139 groundwater samples (duplicate and multiple samples included) were collected for analysis from 87 wells. Groundwater samples were collected by filtering the sample into a 250-milliliter bottle using a clean filtration apparatus and one disposable 0.45-micron filter. Samples were labelled with the site name, date, time collected, sampler's initials, and the required analysis on the bottle. All bottles were provided by the laboratories and maintained in a clean and secure work area until used in the field.

[1] Field pH meters were calibrated using a three-point calibration.
[2] Field SC meters were calibrated using standard stock solutions.

2.2.3 Post-Sampling Field Activities

Post-sampling field activities consisted of equipment decontamination, sample storage, and sample shipping. Field equipment that came into contact with the sample was decontaminated using Alconox® detergent and distilled water. After washing, the equipment was rinsed with distilled water. After sample collection, samples from each well were placed into a plastic bag to prevent the label from becoming illegible and stored on ice until they could be packed securely for shipping to the laboratory. The chain of custody was filled out prior to shipping or delivery to the laboratory, signed by the sampler, and then placed in a plastic bag along with the samples.

3. Sample Handling

All 2025 samples collected by Clear Creek Associates and CQB were shipped to SVL or hand-delivered to Turner for analysis. COC documentation accompanied all samples submitted and included the sample name, collection date, and time. Laboratory reports include the date the samples were received by SVL or Turner. As noted on the laboratory reports from SVL and Turner, all of the sample bottles were received intact, properly preserved, and in good condition. The samples were shipped overnight delivery to SVL or delivered to Turner. The samples were collected, shipped or delivered, and received by SVL or Turner within the established holding time for dissolved sulfate analysis in accordance with United States Environmental Protection Agency (EPA) Method 300.0.

4. Laboratory Quality Control

As specified in the QAPP, laboratory QC was maintained for all analyses through the use of licensed laboratories, approved analytical methods, QC measurements, appropriate turnaround time for analysis (timeliness), method detection limits (MDLs), reporting limits (RLs), and practical quantitation limits (PQLs). Each of these controls is discussed in the following subsections.

The review of laboratory QC included identification of any qualified data and an assessment of their significance. Additionally, the laboratory QC summaries were reviewed to verify that results met QA criteria.

4.1 Licensure

SVL is licensed with the Arizona Department of Health Services (license number AZ0538) and is accredited in accordance with the National Environmental Laboratory Accreditation Conference. Turner is also licensed with the Arizona Department of Health Services (license number AZ0066).

4.2 Analytical Method

EPA method 300.0 was used for dissolved sulfate analysis during this monitoring period.

4.3 Method Detection Limit, Reporting Limit, and Practical Quantitation Limit

The MDLs, RLs, and PQLs change based on dilution of the samples. The MDLs, RLs, and PQLs of an undiluted sample as reported by SVL and Turner are shown in the following table:

Lab	Method	MDL (mg/L)	RL/PQL (mg/L)	Target MDL[1] (mg/L)
SVL	EPA 300.0	0.18	0.30	10
Turner	EPA 300.0	0.484	5.00	10

mg/L = milligrams per liter
[1]Target MDL from table F.2 of QAPP

The SVL and Turner-reported MDLs are equal to or less than the target MDL identified in the QAPP. The PQL is the amount of a constituent that can be consistently quantified with acceptable precision and accuracy (QAPP Section 3.3.7). The PQL for an undiluted sample reported by Turner is 5.00. The RL is used by SVL and is the smallest concentration the laboratory will report for a constituent. The RL of an undiluted sample reported by SVL is 0.30 mg/L. The Turner PQL and SVL RL are lower than the target MDL of 10 mg/L from the QAPP. Samples with higher range

concentrations of sulfate required dilution, which increases the PQL and RL. In all cases of an RL or PQL greater than 10 mg/L sulfate, the laboratory analysis yielded a detected quantity. Thus, detection sensitivity of the analyses is adequate to be consistent with the target MDL.

4.4 Timeliness

All samples submitted for sulfate analysis were analyzed within the twenty-eight day holding time specified by EPA Method 300.0.

4.5 Quality Control Measurements

The following QC samples were prepared and analyzed:

- Calibration blanks and calibration verification standards
- Analytical spike and analytical spike duplicate samples
- Laboratory control samples
- Laboratory duplicate samples
- Field blank samples

4.5.1 Calibration Blanks and Calibration Verification Standards

Results from the analyses of the initial calibration blanks and initial calibration verification standards conducted by EPA Method 300.0 were reviewed. The results of each initial calibration blank analyzed showed results below the RL or PQL. All analytical results for the initial calibration verification standards and laboratory-fortified blanks showed percent recoveries that were within the acceptance criteria specified by the SVL and Turner QA Plans.

4.5.2 Analytical Spike

Analytical spike and spike duplicate samples were analyzed by the laboratories for 10 percent of the samples analyzed. The spike samples were prepared by adding a sulfate spike to one randomly chosen sample out of every ten samples analyzed.

Flags are used in instances in which analytical spike recoveries were high ("M1"), low ("M2"), or unusable ("M3" and "M4"). The "M1", "M2", and "M3" flags were not used in an SVL report in 2025. The "M4" flag was used in reports X5B0260 and X5G0301. For those reports, the laboratory control sample recoveries were checked by SVL to ensure that they were acceptable within the criteria

specified by their QA Plan. The laboratory control samples were prepared by adding a sulfate spike to deionized water.

Spike recoveries for samples analyzed by Turner were between 80 and 120 percent except in cases where a qualifier was used. There were no "M1", "M3", or "M4" flags reported by Turner in 2025. The "M2" flag was used in reports 25A0728, 25B0213, 25B0349, 25G0568, and 24L0180. In the cases for which a qualifier was used, the laboratory control sample recovery was checked by Turner to ensure that it was acceptable within the criteria specified by their QA Plan. The laboratory control samples were prepared by adding a sulfate spike to de-ionized water.

4.5.3 Laboratory Duplicate Samples

Analyses of laboratory duplicate samples were reviewed as part of this data verification report. In all cases where the relative percent difference (RPD) could be calculated for laboratory duplicate samples, the RPD was within 10 or 20 percent, which are the tolerance ranges set by Turner and SVL, respectively. The results met QA criteria and demonstrate an appropriate level of precision in laboratory analysis of these samples. Field duplicate samples are discussed in Section 5.1.

4.5.4 Sample Re-Analysis

Clear Creek compared 2025 groundwater sample results from Turner and SVL with historical results. During 2025, no groundwater samples were re-analyzed by Turner or SVL based on this comparison.

4.5.5 Blank Samples

Field and equipment blank samples were collected in accordance with procedures described in Section 4.2.1.5 of the QAPP. Field and equipment blank samples were collected and submitted along with other samples to evaluate the potential for contaminant introduction under field conditions. Section 4.2.1.5 of the QAPP requires the collection of a minimum of one field blank and one equipment blank sample for every twenty samples.

During 2025, 16 blank samples were collected, including eight field blanks (FB20250127, FB20250204, FB20150206, FB250707, FB250715, FB-090325, FB250818, and FB250821) and eight field equipment blanks (EQB20250127, EQB20250204, EQB20150206, EQB250707, EQB250715, EQB-090325, EQB250818, and EQB250821). None of the blank samples collected in 2025 had sulfate concentrations above the SVL RL of 0.30 mg/L, or the Turner PQL of 5.0 mg/L. The collection of eight field blanks and eight equipment blanks in 2025 meets the requirement for the collection of one of each type of blank for every 20 groundwater samples collected not including duplicate or blank samples.

5. Data Quality Indicators

The QAPP provides several DQIs for assessing the overall quality of the data. These DQIs include the following:

- Precision
- Bias
- Accuracy
- Representativeness
- Comparability
- Completeness
- Sensitivity

Each of these DQIs is discussed below in relation to the groundwater sampling and analysis conducted in 2025.

5.1 Precision

Precision indicates how well a measurement can be reproduced. Precision is quantified by calculating the RPD between sulfate analyses of duplicate samples and by measuring the water level multiple times before recording the result.

For the QA/QC of analytical data, precision was quantified by calculating the RPDs between duplicates among the following groups of duplicate samples:

- Laboratory duplicate samples
- Field duplicate samples

As discussed in Section 4.5.3 there were no exceedances of RPD QA criteria for any laboratory duplicates. In 2025, eight field-filtered duplicate samples (DUP20250127, DUP20250204, DUP20250206, DUP250707, DUP250715, DUP-080425, DUP250818, and DUP250821) were collected for analysis. The collection of eight duplicate samples meets the QA/QC method and quantity goal stated in Section 4.2.1.5 of the QAPP.

Sulfate results for the field duplicate samples collected are provided in the table below. The range of RPD values was between 0.00 and 8.00 percent, all within the 20 percent acceptance criteria for field duplicates, as stated in Section 3.3.1 of the QAPP. Overall, the DQI for precision is met for the analytical data.

Turner/SVL Project No.	Well ID	Duplicate ID	Sample (mg/l)	Duplicate (mg/l)	RPD
25A0728	POWER 639	DUP20250127	182	168	8.00%
25B0213	RUIZ-146	DUP20250204	70.6	70.0	0.85%
25B0213	BMO-2014-3BU	DUP20250206	8.60	8.53	0.82%
25G0370	GARNER 635	DUP250707	36.5	36.5	0.00%
25G0568	TVI 236	DUP250715	35.0	35.1	0.29%
X5H0198	BMO-2008-5B	DUP-080425	271	266	1.86%
25H0629	POWER 639	DUP250818	167	167	0.00%
25H0629	BMO-2014-3BL	DUP250821	8.42	8.52	1.18%

mg/L = milligrams per liter
RPD = Relative Percent Difference

Precision for water level monitoring was met by measuring the water level repeatedly until readings were within 0.03 feet of one another. Readings within that range were obtained from all wells where groundwater measurements were collected by Clear Creek and CQB field staff; meeting the DQI for precision.

5.2 Bias

Bias is a systematic distortion of measurements causing consistent errors in one direction. Bias is managed in this data set by the consistent application of standardized sample collection and analysis procedures. As discussed in Section 4.5.5, none of the blank samples had measurable concentrations of sulfate above the PQL indicating that the sampling collection and analysis procedures did not contribute sulfate to the results.

5.3 Accuracy

Accuracy is a measure of the agreement of a measurement to a known value and is measured using the recoveries from laboratory control samples. As discussed in Sections 4.5.1, 4.5.2, and 4.5.3 there were no significant exceedances of the recovery QA criteria for any of the calibration

standards, analytical spikes, or laboratory duplicates, respectively. As discussed in Section 4.5.5, none of the blank samples had sulfate detections above the target MDL indicating that the sampling collection and analysis procedures did not significantly contribute sulfate to the results.

The accuracy of water level measurements was evaluated by comparing measurements to prior measurements to ensure consistency. Based on this information, the overall accuracy of the data is judged sufficient for the purpose of aquifer characterization.

5.4 Representativeness

All water level measurements and samples were taken from locations identified in the Mitigation Plan following standard sampling procedures and QA/QC guidelines specified in the QAPP. Moreover, results are expected to be representative of groundwater quality at the sampled locations because sulfate was not detected above the PQL in the field or equipment blanks.

5.5 Comparability

All samples were collected using standardized procedures (HGC, 2008) and were analyzed by SVL and Turner using standardized methods. Insofar as standardized sample collection and analytical methods are adhered to, the sample results should be comparable.

5.6 Completeness

All samples collected and subsequently analyzed and reported by SVL and Turner satisfy the QA/QC criteria for this project. The completeness of analytical results is 100 percent, which exceeds the minimum 90 percent completeness DQI in Section 3.3.6 of the QAPP.

5.7 Sensitivity

The analytical methods used to analyze the samples meet the MDL requirements specified in Table F.2 of the QAPP. The water level sounder used by Clear Creek and CQB field staff was accurate to 0.01 feet as specified in Section 4 of the QAPP. Therefore, the analytical sensitivity is considered acceptable for use in aquifer characterization.

5.8 Reliability

After analyzing the results of all samples, comparing results to historical data, and carefully reviewing the field and laboratory methods used, the data reported here are judged to provide a reliable representation of groundwater conditions at the sampled locations for 2025.

References

Arizona Department of Environmental Quality (ADEQ). 2007. Mitigation Order on Consent Docket No. P-121-07, In the Matter of: Phelps Dodge Corporation, Copper Queen Branch, located at 36 West Highway 92, Bisbee, Arizona, ADEQ Identification Number 100531. November 14, 2007.

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Hydro Geo Chem, Inc. 2008. Revision 1, Work Plan to Characterize and Mitigate Sulfate with Respect to Drinking Water Supplies in the Vicinity of the Concentrator Tailing Storage Area, Cochise County, Arizona. July 3, 2008.

Appendix E

Well Records Registry Review

CLEAR CREEK ASSOCIATES

Appendix E
Well Records Registry Review
Annual Groundwater Monitoring Report for 2025

Prepared for

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E.1 Well Records Review Summary

Appendix

E.1 Imaged Records

1. Introduction

1.1 Scope and Objectives

This report describes a review of the Arizona Department of Water Resources (ADWR) 55 Well Registry Database (WRD) to identify new registered wells installed since January 2025 within one mile of the groundwater sulfate plume near the Freeport Minerals Corporation, Copper Queen Branch (CQB) Concentrator Tailing Storage Area (CTSA) (Figure E.1). The well registry records review is a requirement of the Mitigation Plan (Clear Creek Associates, 2015) submitted to Arizona Department of Environmental Quality (ADEQ) in 2015 pursuant to Mitigation Order (MO) on Consent Docket No. P-121-07 between CQB and ADEQ.

The well registry records review is conducted pursuant to Section 2.4 of the Mitigation Plan which states the following.

> *"The ADWR well registry records will be reviewed annually to identify new existing wells installed within one mile of the plume. Water use at new wells will be determined from the ADWR registry record and by inquiry with the well owner."*

An initial inventory of wells within one mile of the plume was submitted to ADEQ in 2008 (Hydro Geo Chem, Inc., 2008). A well inventory update conducted using WRD information available as of April 2012 was submitted to ADEQ in 2014 (Clear Creek Associates, 2014). Annual well records reviews were submitted as part of the Annual Groundwater Monitoring Reports for each year from 2015 to 2024 (Clear Creek Associates, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024 and 2025). The last well records review (Clear Creek Associates, 2024) used WRD information available as of January 2025.

The well records review reported herein discusses only new WRD records added to the WRD between January 2025 and January 2026. The WRD was downloaded from the ADWR website on January 20, 2026 as a shapefile for use with ESRI ArcMap software. The website indicated that the shapefile was last updated on January 20, 2026.

1.2 Monitoring of Drinking Water Supplies

The MO set the action level for the sulfate concentration in drinking water supplies at 250 milligrams per liter (mg/L). The edge of the sulfate plume is defined as the 250 mg/L sulfate

concentration contour estimated based on the results of groundwater monitoring. CQB conducts groundwater sampling for sulfate at drinking water supply and monitoring wells according to the long-term plume monitoring and expanded groundwater monitoring programs described in the Mitigation Plan (CCA, 2015). Public drinking water supplies and private drinking water supplies within 2,000 feet of the plume are sampled semiannually. Annual sampling is performed at private drinking water supplies between 2,000 feet and one mile of the plume, and at drinking water supply wells installed below the plume as mitigation actions. New drinking water supply wells within a mile of the plume are added to the long-term plume monitoring program as they are identified, contingent on well owner approval.

2. Methodology

Figures E.1 and E.2 show the sulfate plume based on groundwater monitoring data for the third quarter of 2025. The January 2026 WRD and Geographic Information Systems (GIS) software were used to identify registered wells installed within 1 mile of the sulfate plume. The database was imported into the GIS software and a shapefile was created to encompass the area 1 mile from the edge of the sulfate plume plus a safety factor of 0.1 miles. The safety factor accounts for uncertainty in the exact position of wells because the WRD contains only cadastral coordinates accurate to approximately 470 feet. Figure E.2 shows the outline of the search area 1.1 miles from the sulfate plume. The list of wells within the January 2026 search area was compared to the list of wells reported in the Well Records Review for 2024 to identify new records.

3. Results

3.1 New Records Identified

The well records review identified three new records within 1.1 mile of the plume, Table D.1 lists the new records and the locations of the new well records are shown on Figure E.2. The well registry numbers for the new records are 55-242869, 55-483165, and 55-301893. The ADWR imaged records for the well records for 55-242869 and 55-483165 are attached as Appendix E.1. An ADWR imaged record for 55-301893 was not available at time of the WRD download.

The well record for 55-242869 was a Notification of Intent (NOI) to drill a new exempt well, approved by ADWR on April 22, 2025. The cadastral location for the well provided in the NOI form is Section 17 of Township 24 and Range 24, which is within the sulfate plume (Figure E.2). The well address provided in the NOI is 3313 W. Puzzi Ranch Rd, Douglas, Arizona, which is over 15 miles east of the sulfate plume. The Cochise County tax parcel information and well coordinates provided in the NOI are consistent with the Douglas address. The well, if installed, is outside the plume and will not be considered for Mitigation Order sampling.

The well record for 55-483165 was a Notice of Intent to Abandon (NOIA) an exempt well, approved by ADWR on April 7, 2025. The well is located on Camp Naco on Newell Street in Naco, Arizona. The well registry ID was not in versions of the ADWR database as late as December 2024 and was not identified in the 2008 Well Inventory (HGC, 2008) or in the 2014 Well Inventory Update (Clear Creek, 2014). It is assumed that the well ID was created upon submittal of the NOIA. The contractor for the well abandonment is Triple L Well and Pump Service, LLC of Huachuca City, Arizona. There is no Well Abandonment Completion Report in the ADWR imaged record so it is unknown if the well is abandoned.

Well ID 55-301893 was listed in the WRD shapefile download; however, there is no imaged record on file with ADWR. The WRD shows an application date of January 9, 2026 for a nonexempt well and the plotted location is within 1.1 miles of the sulfate plume. The WRD did not contain any information about the well owner, well address, usage, or drilling contractor. If the well is installed in 2026, Clear Creek will contact the well owner to confirm usage and add the well to the semiannual sampling schedule pursuant to the Mitigation Plan (Clear Creek, 2015).

References

Clear Creek Associates. 2014. Well Inventory Update, Task 1 of Aquifer Characterization Plan for Mitigation Order on Consent Docket No. P-121-07, Cochise County, Arizona. June 30, 2014.

Clear Creek Associates. 2015. Mitigation Plan for Sulfate with Respect for Drinking Water Supplies, Mitigation Order on Consent Docket No. P-121-07, Cochise County, Arizona. March 6, 2015.

Clear Creek Associates. 2016. Annual Groundwater Monitoring Report for 2015, Mitigation Order on Consent Docket No. P-121-07, Cochise County, Arizona. March 1, 2016.

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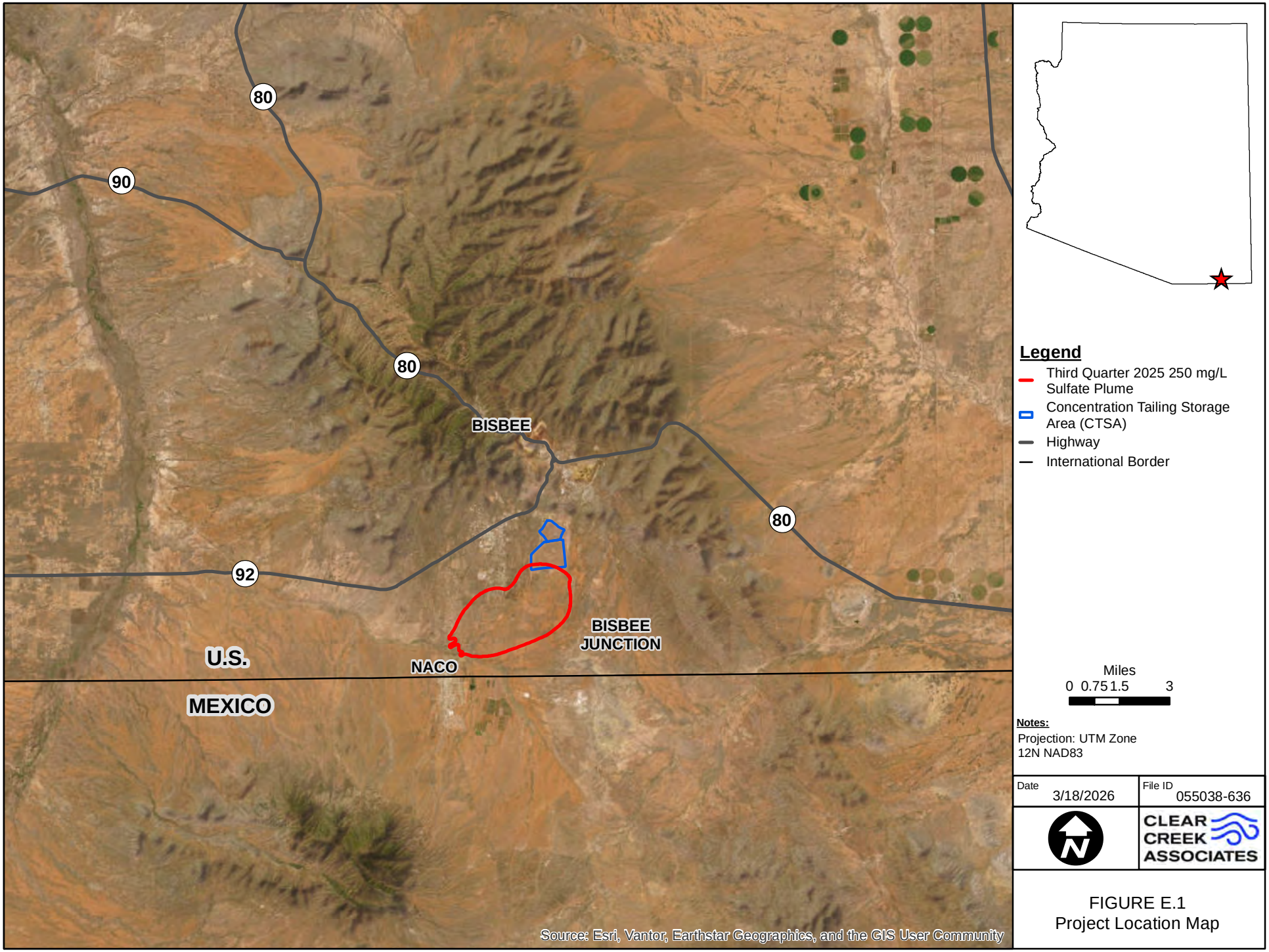
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Figures

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Legend

- Third Quarter 2025 250 mg/L Sulfate Plume
- Concentration Tailing Storage Area (CTSA)
- Highway
- International Border

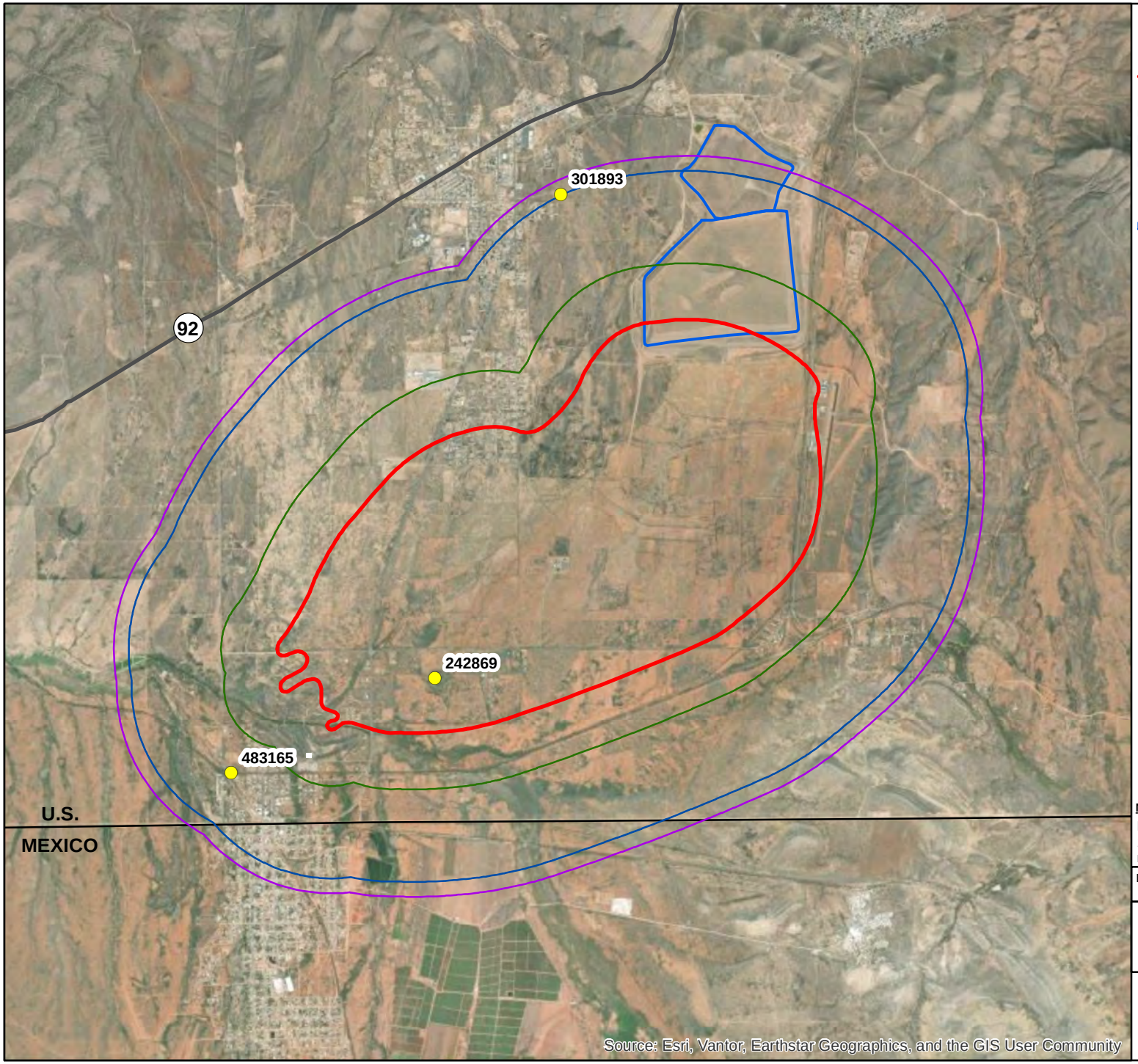
Miles
0 0.75 1.5 3

Notes:
Projection: UTM Zone 12N NAD83

Date	File ID
3/18/2026	055038-636

CLEAR CREEK ASSOCIATES

FIGURE E.1
Project Location Map



Legend

- Third Quarter 2025 250 mg/L Sulfate Plume
- 2,000 Foot Buffer
- 1 Mile Buffer
- 1.1 Mile Buffer
- New Well Record
- Concentration Tailing Storage Area (CTSA)

Feet
0 2,000 4,000 8,000

Notes:

Projection: UTM Zone 12N NAD83
mg/L = milligrams per liter

Date	File ID
3/18/2026	055038-637

CLEAR CREEK ASSOCIATES

FIGURE E.2
Well Search Area
and New Well Record

Table

CLEAR CREEK ASSOCIATES

TABLE E.1.
Well Record Review Summary

Well Registry Number	Owner Name	Well Name	Category	Mitigation Order Groundwater Monitoring Frequency	Operational	Usage
55-242869	LAURIE OLDIE	None	Domestic	NA	Unknown	Domestic Supply
55-483165	CITY OF BISBEE	None	Abandoned	Abandoned	Abandoned	Abandoned
55-301893	Unknown	Unknown	Domestic	Semiannual if Installed	Unknown	Unknown

Appendix E.1

Imaged Records

CLEAR CREEK ASSOCIATES

Original upload for Registry: 55-242869

Record updated: **4/22/2025**

--- The document starts on the next page. ---

Run Date: 04/22/2025

AZ DEPARTMENT OF WATER RESOURCES

WELL REGISTRY REPORT - WELLS55

Location D 24.0 24.0 17 B A D

Well Reg.No
55 - 242869

AMA NOT WITHIN ANY AMA OR INA

Registered Name LAURIE OLDIE
303 E. 16TH ST. #32
DOUGLAS AZ 85607

File Type NEW WELLS (INTENTS OR APPLICATIONS)
Application/Issue Date 04/21/2025

Owner OWNER
Driller No. 14
Driller Name ALLEN'S WELL SERVICE, LLC
Driller Phone 520-642-3775
County COCHISE
Parcel No. 408-33-007D
Intended Capacity GPM 0.00

Well Type EXEMPT
SubBasin SIERRA VISTA
Watershed SAN PEDRO RIVER
Registered Water Uses DOMESTIC
Registered Well Uses WATER PRODUCTION
Discharge Method NO DISCHARGE METHOD LISTED
Power NO POWER CODE LISTED

Well Depth	0.00	**Case Diam**	0.00	**Tested Cap**	0.00
Pump Cap.	0.00	**Case Depth**	0.00	**CRT**	
Draw Down	0.00	**Water Level**	0.00	**Log**	
		Acres Irrig	0.00	**Finish**	NO CASING CODE LISTED

Contamination Site: NO - NOT IN ANY REMEDIAL ACTION SITE

Tribe: GRIC Maintenance area

Comments

55-242869

Places Of Use

D 24 0 24 0 17 B A D

Current Action

4/22/2025 415 LEGAL APPLICATION REVIEW COMPLETE
Action Comment: RM

Action History

4/22/2025 360 APP SENT TO LEGAL FOR REVIEW
Action Comment: RM

4/22/2025 555 DRILLER & OWNER PACKETS MAILED
Action Comment: RM

4/22/2025 550 DRILLING AUTHORITY ISSUED
Action Comment: RM

4/21/2025 150 NOI RECEIVED FOR A NEW PRODUCTION WELL
Action Comment: rm

ARIZONA DEPARTMENT of WATER RESOURCES
1110 W. Washington St. Suite 310
Phoenix, AZ 85007
602-771-8500
azwater.gov

April 22, 2025

LAURIE OLDIE
303 E. 16TH ST. #32
DOUGLAS, AZ 85607

KATIE M. HOBBS
Governor

THOMAS BUSCHATZKE
Director

Registration No. 55- 242869
File Number: D(24-24) 17 BAD

Dear Well Applicant:

Enclosed is a copy of the Notice of Intention to Drill (NOI) a well which you or your driller recently filed with the Department of Water Resources. This letter is to inform you that the Department has approved the NOI and has mailed, or made available for download, a drilling authorization card to your designated well drilling contractor. The driller may not begin drilling until he/she has received the authorization, and must keep it in their possession at the well site during drilling. Although the issuance of this drill card authorizes you to drill the proposed well under state law, the drilling of the well may be subject to restrictions or regulations imposed by other entities.

Well drilling activities must be completed within one year after the date the NOI was filed with the Department. If drilling is not completed within one year, a new NOI must be filed and authorization from this Department received before proceeding with drilling. If the well cannot be successfully completed as initially intended (dry hole, cave in, lost tools, etc.), the well must be properly abandoned and a Well Abandonment Completion Report must be filed by your driller [as required by A.A.C. R12-15-816(F)].

If you change drillers, you must notify the Department of the new driller's identity on a Request to Change Well Drilling Contractor (form 55-71B). Please ensure that the new driller is licensed by the Department to drill the type of well you require. A new driller may not begin drilling until he/she receives a new drilling authorization card from the Department. Forms may be obtained by contacting the Department, or online at: https://new.azwater.gov/permitting-wells/well-forms-and-applications.

If you find it necessary to change the location of the proposed well(s), you may not proceed with drilling until you file an amended NOI with the Department. An amended drilling authorization card will then be issued to the well drilling contractor, which must be in their possession before drilling begins.

Arizona statute [A.R.S. § 45-600] requires registered well owners to file a Pump Installation Completion Report (form 55-56) with the Department within 30 days after the installation of pumping equipment, if authorized. A blank report is enclosed for your convenience. State statute also requires the driller to file a complete and accurate Well Drillers Report and Well Log (form 55-55) within 30 days after completion of drilling. A blank report form was provided to your driller with the drilling authorization card. You should insist and ensure that all of the required reports are accurately completed and timely filed with the Department.

Please be advised that Arizona statute [A.R.S. § 45-593(C)] requires a registered well owner to notify the Department of a change in ownership of the well and/or information pertaining to the physical characteristics of the well in order to keep this well registration file current and accurate. Any change in well information must be filed on a Request to Change Well Information form (form 55-71A). Forms may be obtained by contacting the Department, or online at: https://new.azwater.gov/permitting-wells/well-forms-and-applications.

Sincerely,

Rafael Martinez

Groundwater Permitting and Wells Section

ARIZONA DEPARTMENT OF WATER RESOURCES
1110 W. Washington St. Suite 310
Phoenix, Arizona 85007

ANY DEVIATION IN WELL LOCATION FROM THE PLOT PLAN APPROVED FROM THE COUNTY OR LOCAL HEALTH AUTHORITY MUST BE RE-SUBMITTED FOR APPROVAL

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILLING OPERATIONS

WELL REGISTRATION NO: **55-242869**

AUTHORIZED DRILLER: **ALLEN'S WELL SERVICE, LLC** LICENSE NO: **14**

NOTICE OF INTENTION TO DRILL EXEMPT WELL(S) HAS BEEN FILED WITH THE DEPARTMENT BY:

WELL OWNER: **LAURIE OLDIE 303 E. 16TH ST. #32 DOUGLAS, AZ, 85607**

THE WELL(S) IS/ARE TO BE LOCATED IN THE:

SE 1/4 of the **NE** 1/4 of the **NW** 1/4 Section **17** Township **24.0 SOUTH** Range **24.0 EAST**

NO. OF WELLS IN THIS PROJECT: ASSESSOR'S PARCEL NO: **408-33-007D**

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF **April 22, 2026**

Stella Murillo

GROUNDWATER PERMITTING AND WELLS

THE DRILLER MUST FILE A LOG OF THE WELL WITHIN 30 DAYS OF COMPLETION OF DRILLING.

NOTICE! The Authorization to drill this well **DOES NOT constitute or guarantee an approval to use the well** for the purpose of withdrawing groundwater **for transportation to an Active Management Area (AMA)** pursuant to A.R.S. § 45-552, 45-553, 45-554 or 45-555(A) **without official prior approval from the Department.**

ARIZONA DEPARTMENT of WATER RESOURCES
1110 W. Washington St. Suite 310
Engineering and Permits Division
Phoenix, AZ 85007
602-771-8500

NOTICE TO WELL DRILLERS

This is a reminder that a valid drill card must be present for the drilling of each and every well constructed on a site. During the construction of a well, if an unexpected problem occurs; the hole collapses, the hole is dry, or a drill bit is lost and can't be recovered, or any number of other situations where the driller feels they need to move over and start another well. Please be aware drillers do not have the authority to start another well without first obtaining drilling authority for the new well. Please note the following statutes and regulations pertaining to well drilling and construction:

ARIZONA REVISED STATUTE (A.R.S.)

A.R.S. § 45-592.A.

A person may construct, replace or deepen a well in this state only pursuant to this article and section 45-834.01. The drilling of a well may not begin until all requirements of this article and section 45-834.01, as applicable, are met.

***

A.R.S. § 594.A.

The director shall adopt rules establishing construction standards for new wells and replacement wells, the deepening and abandonment of existing wells and the capping of open wells.

***

A.R.S. § 600.A

A well driller shall maintain a complete and accurate log of each well drilled.

ARIZONA ADMINISTRATIVE CODE (A.A.C.)

A.A.C. R12-15-803.A.
A person shall not drill or abandon a well, or cause a well to be drilled or abandoned, in a manner which is not in compliance with A.R.S. Title 45, Chapter 2, Article 10, and the rules adopted thereunder.

***

A.A.C. R12-15-810.A.
A well drilling contractor or single well licensee may commence drilling a well only if the well drilling contractor or licensee has possession of a drilling card at the well site issued by the Director in the name of the well drilling contractor or licensee, authorizing the drilling of the specific well in the specific location.

***

A.A.C. R12-15-816.F.
In the course of drilling a new well, the well may be abandoned without first filing a notice of intent to abandon and without an abandonment card.

*** THIS REQUIREMENT DOES NOT PERTAIN TO THE DRILLING OF MINERAL EXPLORATION, GEOTECHNICAL OR HEAT PUMP BOREHOLES**

ADWR

Arizona Department of Water Resources
Groundwater Permitting and Wells Section
1802 W Jackson St. Box 79, Phoenix, AZ 85007
(602) 771-8527 • www.azwater.gov

APR 21 2025

Received

Notice of Intention to Drill, Deepen, Replace or Modify a Well

(except a Non-Exempt Well in an Active Management Area)

$150 or $100 FEE

- Review instructions prior to completing form in black or blue ink.
- You must include with your Notice:
  - Check or money order in the amount of the appropriate filing fee.
  - For a well located within an AMA or INA, the fee is $150.00.
  - For a well not located within an AMA or INA, the fee is $100.00 if the well will be used solely for domestic purposes (see page 2 and instructions) and will have a pump with a maximum capacity of not more than 35 gallons per minute. Otherwise, the fee is $150.00.
- Shared wells: While Arizona water law governs how a well subject to a well sharing agreement is to be drilled and located, it DOES NOT govern the operation or management of a well sharing agreement.
- Authority for fee: A.R.S. § 45-596 and A.A.C. R12-15-104.

TO BE COMPLETED BY ADWR

AMA/INA	B	SB	FILE NUMBER
—	USP	76	DC24-2417BAD
RECEIVED DATE: 04/21/2025	WS: 11		WELL REGISTRATION NUMBER: 55- 242869
ISSUED DATE: 04/22/2025	REMEDIAL ACTION SITE		
LEGAL REVIEW IF APP: KB app	REASONING: Not in I.Z.		

☐ FILING MANUALLY

☐ FILING ELECTRONICALLY *(driller's email required)*

SECTION 1. COUNTY OR LOCAL HEALTH AUTHORITY APPROVAL *(if applicable)*

If water from the proposed well will be used for domestic purposes on a parcel of land of 5 or fewer acres, the applicable county or local health authority must endorse all items in Section 1 within one year before submission to the Department of Water Resources. You must also attach a site plan (pg. 3).

CHECK ONE

☐ County or Local Health Authority Recommends Approval (pursuant to A.R.S. § 45-596 (G) and (F))
- ☐ Field Inspection Performed
- ☐ Site Plan Review Only

☐ Insufficient Information to Make a Determination – If checked, please submit supplemental form 55-40C. A.R.S. § 45-596 (G) and (F)

Official County or Local Seal or Stamp

COUNTY OR LOCAL AUTHORITY NAME AND TITLE

TELEPHONE NUMBER | DATE | COUNTY OR LOCAL AUTHORITY SIGNATURE

SECTION 2. REGISTRY INFORMATION

To determine the place of water use and location of well, please refer to the Well Registry Maps and Google Earth at: (https://azwatermaps.azwater.gov/wellreg) and (http://www.earthpoint.us/townships.aspx)

Well Type

CHECK ONE

☑ Exempt
(Pump has a maximum capacity of not more than 35 gpm and water is not used for irrigation purposes inside an AMA.) *(See instructions)*

☐ Non-Exempt
(Pump has a maximum capacity of more than 35 gpm and the well is located outside an AMA.) *(See instructions)*

DESIGN PUMP CAPACITY: 15 Gallons Per Minute

Proposed Action

CHECK ONE

☑ Drill New Well
☐ Deepen
☐ Replace
☐ Modify

If Deepening, Replacing or Modifying:

ORIGINAL WELL REGISTRATION NUMBER: 55-

MAXIMUM CAPACITY OF ORIGINAL WELL: Gallons Per Minute

DISTANCE & DIRECTION FROM ORIGINAL WELL: Feet

Location of Well

WELL LOCATION ADDRESS (IF ANY): 8313 W Puzzi Ranch Rd

COUNTY WHERE WELL IS LOCATED: Cochise

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
24S	24E	17	B ¼	A ¼	D ¼

COUNTY ASSESSOR'S PARCEL ID NUMBER

BOOK	MAP	PARCEL	# OF ACRES
408	33	007D	10

EXPECTED LATITUDE			EXPECTED LONGITUDE		
31 ° Degrees	20 ' Minutes	52 " N Seconds	109 ° Degrees	37 ' Minutes	21 " W Seconds

Place of Water Use *(Mandatory information, see instructions)*

Is the groundwater basin where the well will be drilled the same as the place where the water will be used? Yes ☑ No ☐

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
24S	24E	17	B ¼	A ¼	D ¼

SECTION 3. OWNER INFORMATION

Land Owner

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL: LAURIE Odie

MAILING ADDRESS: 303 E 16th St # 32

CITY / STATE / ZIP CODE: Douglas AZ 85607

CONTACT PERSON NAME AND TITLE: S/A

TELEPHONE NUMBER: 660-238-0126 | EMAIL:

Well Owner *(check this box if Land Owner and Well Owner are same ☑)*

FULL NAME OF COMPANY, GOVERNMENT AGENCY, OR INDIVIDUAL:

MAILING ADDRESS:

CITY / STATE / ZIP CODE:

CONTACT PERSON NAME AND TITLE:

TELEPHONE NUMBER | EMAIL:

RM

ADWR

APR 21 2025

Received

Arizona Department of Water Resources
Groundwater Permitting and Wells Section
1802 W Jackson St. Box 79, Phoenix, AZ 85007
(602) 771-8527 • www.azwater.gov

Notice of Intention to Drill, Deepen, Replace or Modify a Well
(except a Non-Exempt Well in an Active Management Area)

$150 or $100 FEE

- Review instructions prior to completing form in black or blue ink.
- You must include with your Notice:
  - Check or money order in the amount of the appropriate filing fee.
  - For a well located within an AMA or INA, the fee is $150.00.
  - For a well not located within an AMA or INA, the fee is $100.00 if the well will be used solely for domestic purposes (see page 2 and instructions) and will have a pump with a maximum capacity of not more than 35 gallons per minute. Otherwise, the fee is $150.00.
- Shared wells: While Arizona water law governs how a well subject to a well sharing agreement is to be drilled and located, it DOES NOT govern the operation or management of a well sharing agreement.
- Authority for fee: A.R.S. § 45-596 and A.A.C. R12-15-104.

TO BE COMPLETED BY ADWR			
AMA/INA	B	SB	FILE NUMBER
RECEIVED DATE	WS		WELL REGISTRATION NUMBER 55- 242869
ISSUED DATE	REMEDIAL ACTION SITE		
LEGAL REVIEW IF APP	REASONING		

☐ FILING MANUALLY

☐ FILING ELECTRONICALLY *(driller's email required)*

SECTION 1. COUNTY OR LOCAL HEALTH AUTHORITY APPROVAL *(if applicable)*

If water from the proposed well will be used for domestic purposes on a parcel of land of 5 or fewer acres, the applicable county or local health authority must endorse all items in Section 1 within one year before submission to the Department of Water Resources. You must also attach a site plan (pg. 3).

CHECK ONE

☐ County or Local Health Authority Recommends Approval (pursuant to A.R.S. § 45-596 (G) and (F))
- ☐ Field Inspection Performed
- ☐ Site Plan Review Only

☐ Insufficient Information to Make a Determination – If checked, please submit supplemental form 55-40C. A.R.S. § 45-596 (G) and (F)

Official County or Local Seal or Stamp

COUNTY OR LOCAL AUTHORITY NAME AND TITLE

TELEPHONE NUMBER | DATE | COUNTY OR LOCAL AUTHORITY SIGNATURE

SECTION 2. REGISTRY INFORMATION

To determine the place of water use and location of well, please refer to the Well Registry Maps and Google Earth at: (https://azwatermaps.azwater.gov/wellreg) and (http://www.earthpoint.us/townships.aspx)

Well Type

CHECK ONE

☑ Exempt
(Pump has a maximum capacity of not more than 35 gpm and water is not used for irrigation purposes inside an AMA.) *(See instructions)*

☐ Non-Exempt
(Pump has a maximum capacity of more than 35 gpm and the well is located outside an AMA.) *(See instructions)*

DESIGN PUMP CAPACITY: 15 Gallons Per Minute

Proposed Action

CHECK ONE

☑ Drill New Well
☐ Deepen
☐ Replace
☐ Modify

If Deepening, Replacing or Modifying:

ORIGINAL WELL REGISTRATION NUMBER: 55 -

MAXIMUM CAPACITY OF ORIGINAL WELL: Gallons Per Minute

DISTANCE & DIRECTION FROM ORIGINAL WELL: Feet

Location of Well

WELL LOCATION ADDRESS (IF ANY): 3313 W Puzzi Ranch Rd

COUNTY WHERE WELL IS LOCATED: Cochise

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
24S	24E	17	B ¼	A ¼	D ¼

COUNTY ASSESSOR'S PARCEL ID NUMBER

BOOK	MAP	PARCEL	# OF ACRES
408	33	007D	10

EXPECTED LATITUDE			EXPECTED LONGITUDE		
31 ° Degrees	20 ' Minutes	52 " N Seconds	109 ° Degrees	37 ' Minutes	21 " W Seconds

Place of Water Use *(Mandatory information, see instructions)*

Is the groundwater basin where the well will be drilled the same as the place where the water will be used? Yes ☑ No ☐

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
24S	24E	17	B ¼	A ¼	D ¼

SECTION 3. OWNER INFORMATION

Land Owner

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL: LAURIE Odle

MAILING ADDRESS: 303 E 16th St # 32

CITY / STATE / ZIP CODE: Douglas Az 85607

CONTACT PERSON NAME AND TITLE: S/A

TELEPHONE NUMBER: 660-238-0126 | EMAIL:

Well Owner *(check this box if Land Owner and Well Owner are same ☑)*

FULL NAME OF COMPANY, GOVERNMENT AGENCY, OR INDIVIDUAL:

MAILING ADDRESS:

CITY / STATE / ZIP CODE:

CONTACT PERSON NAME AND TITLE:

TELEPHONE NUMBER | EMAIL:

RM

Notice of Intent to Drill, Deepen, Replace or Modify a Well

WELL REGISTRATION NUMBER
55 - 242869

SECTION 4.

Questions	Yes	No	If Yes:
1. Is the proposed well site within 100 feet of a septic tank system, sewer disposal area, landfill, hazardous materials or petroleum storage area or tank?	☐	☑	You must also request a variance *(A.A.C. R12-15-818).*
2. Is there another well name or identification number associated with this well *(e.g., Lot 35 Well, Smith Well, etc.)*?	☐	☑	*(please state)*
3. Is the proposed well a NEW well to be located within an Active Management Area? *(See instructions)*	☑	☐	You must also file a supplemental form 55-40A, unless the well is a replacement well and the total number of operable exempt wells on the land is not increasing. *A.R.S. § 45-454(C) & (D)*
4. Is the proposed well the second exempt well on this parcel for the same use?	☐	☑	You must also file a supplemental form 55-40B, if the proposed well is in an Active Management Area. A.R.S. § 45-454(I)

SECTION 5. DRILLING AUTHORIZATION

Drilling Firm

NAME	Allen's Well Service LLC		
DWR LICENSE NUMBER	14	ROC LICENSE CATEGORY	C-53 R-53
TELEPHONE NUMBER	520-642-3775	~~FAX~~ Cell NUMBER	520-904-6319
MAILING ADDRESS	5509 W Gleeson Rd		
CITY / STATE / ZIP CODE	Elfrida AZ 85610		
DRILLERS EMAIL	allenswell@gmail.com		
DATE CONSTRUCTION IS SCHEDULED TO BEGIN	May 2025		

SECTION 6. WATER / SITE INFORMATION

Principal Use of Water (CHECK ONE)	Other Uses of Water (CHECK ALL THAT APPLY)
☐ Irrigation*	☐ Irrigation
☐ Commercial	☐ Commercial
☑ Domestic	☐ Domestic
☐ Municipal	☐ Municipal
☐ Industrial	☐ Industrial
☐ Stock	☐ Stock
☐ Remediation	☐ Remediation
☐ Dewatering	☐ Dewatering
☐ Other *(please specify):*	☐ Other *(please specify):*

**Pursuant to ARS § 45-402(23) Irrigation is defined as applying water to two or more acres of land to produce plants or parts of plants for sale or human consumption, or for use as feed for livestock, range livestock or poultry.*

NOTE: If this is a Notice of Intent to construct a new well that will be used for the purpose of withdrawing groundwater for transportation to an Active Management Area *(AMA)* pursuant to A.R.S. § 45-552, 45-553, 45-554 or 45-555(A), the authorization to drill the well issued in association with this Notice **shall not be considered the approval to transport groundwater to an AMA.** *(See instructions)*

SECTION 7. PROPOSED WELL CONSTRUCTION DESIGN *(attach separate sheet if needed)*

Borehole			Casing													
DEPTH FROM SURFACE			DEPTH FROM SURFACE			MATERIAL TYPE (T)				PERFORATION TYPE (T)						
FROM *(feet)*	TO *(feet)*	BOREHOLE DIAMETER *(inches)*	FROM *(feet)*	TO *(feet)*	OUTER DIAMETER *(inches)*	STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE	GROUTING MATERIAL
0	20	12¼	+1	20	8⅝	X*										CEMENT
20	300	7⅞	0	300	6⅝	✓										
			200	300	perfs								✓			

** ADWR well construction standards require a surface seal consisting of a minimum of 20 feet of steel casing. Cement grout must be used to fill the annular space between the surface casing and the borehole. (A.A.C. R12-15-811(B))*

The Department's issuance of an authorization to drill a well is not a determination of whether water withdrawn from the well is legally surface water or groundwater. The legal nature of the water withdrawn from the well may be the subject of court action in the future as part of a determination of surface water rights in your area. If there are court proceedings that could affect your well, you will be notified and be given the opportunity to participate. If you have questions regarding the legal nature of the water to be withdrawn from your proposed well, please consult with an experienced civil engineer, hydrologist or water rights attorney.

For the purposes of determining appropriate fees outside AMAs or INAs, "domestic purposes" is defined as "uses related to the supply, service and activities of households and private residences and includes the application of water to less than 2 acres of land to produce plants or parts of plants for sale or human consumption, or for use as feed for livestock, range livestock or poultry, as such terms are defined in A.R.S. § 3-1201."

Notice of Intent to Drill, Deepen, Replace or Modify a Well

WELL REGISTRATION NUMBER
55 - 242869

SECTION 8. PERMISSION TO ACCESS

☐ By checking this box, I hereby provide ADWR permission to enter the property for the purpose of taking water level measurements at this well. Advance notice can be provided. *(See instructions)*

SECTION 9. WELL SITE PLAN

- If this well will be a domestic well on 5 acres or less, please draw the following: (1) the boundaries of your property; (2) the proposed well location; (3) the locations of all septic tank systems and sewer systems on the property or within 100 feet of the well location, even if on neighboring properties; and (4) any permanent structures on the property that may aid in locating the well. If the parcel is vacant land or lacks a septic tank or sewer system, please indicate this.
- Indicate the distance between the proposed well location and any septic tank system or sewer system.

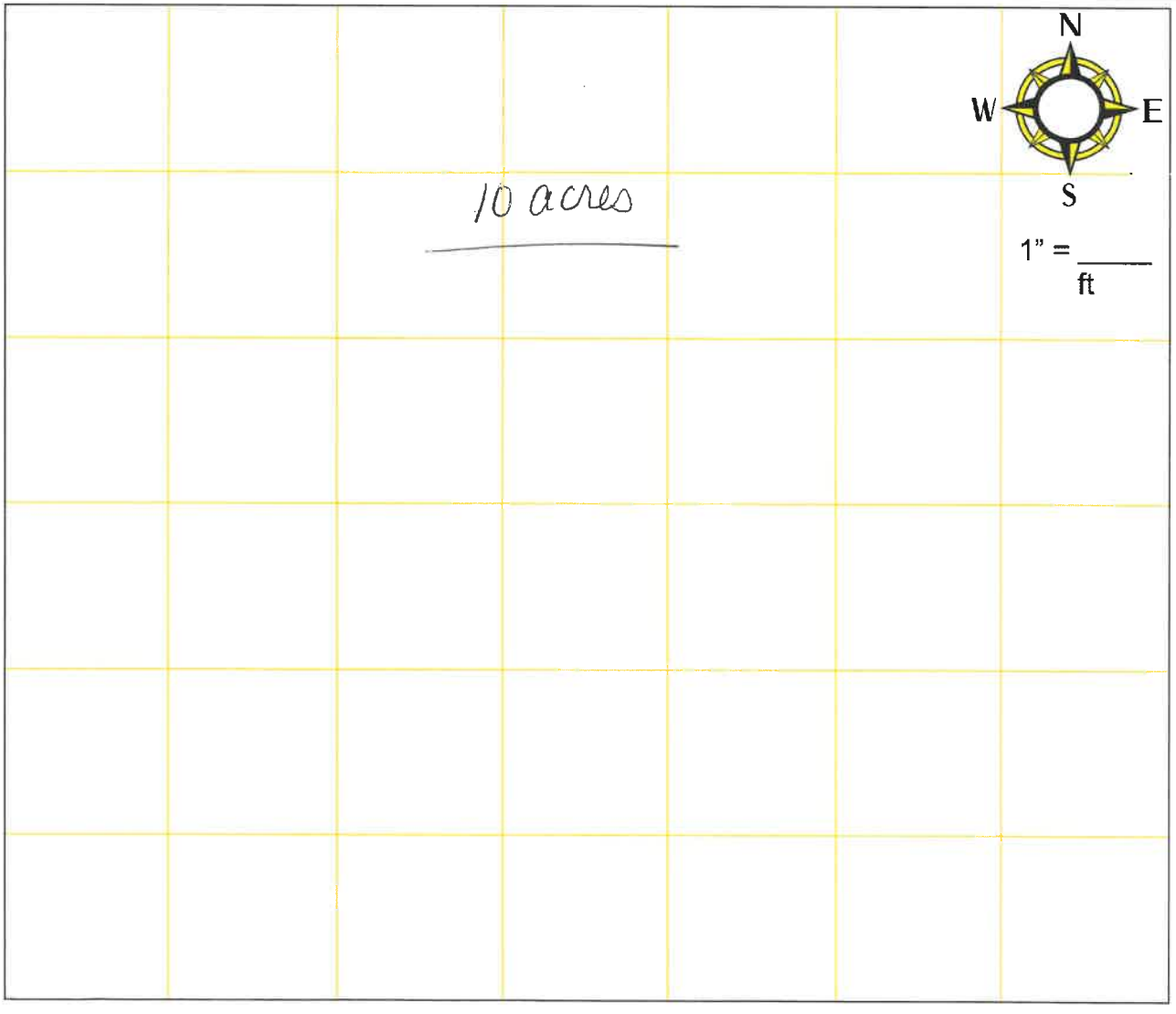
County Assessor's ID# _____ - _____ - _____

COUNTY OR LOCAL HEALTH AUTHORITY APPROVAL CODE	COUNTY APPROVAL CODE
If applicant is filing this NOI electronically via the ADWR website and County approval is required, please indicate approval by providing a County Approval Code.	

SECTION 10. LAND OWNER AND WELL OWNER SIGNATURE

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

Land Owner	Well Owner *(if different from Land Owner; See instructions)*
PRINT NAME AND TITLE: LAURIE Odle	PRINT NAME AND TITLE
SIGNATURE OF LAND OWNER: Laurie Odle	SIGNATURE OF WELL OWNER
DATE: 4-16-25	DATE
☐ By checking this box, you agree to allow ADWR to contact you via electronic mail.	☐ By checking this box, you agree to allow ADWR to contact you via electronic mail.
EMAIL ADDRESS	EMAIL ADDRESS



Arizona Department of Water Resources
Groundwater Permitting and Wells Section
1802 W Jackson St. Box 79, Phoenix, AZ 85007
(602) 771-8527 • www.azwater.gov

Certification to the Notice of Intention to Drill an Exempt Well within an Active Management Area Pursuant to A.R.S. § 45-454(C) & (D)

FILE NUMBER
DC24-2017BAD
WELL REGISTRATION NUMBER
55 - 242869

Exempt Well Certification of Compliance with A.R.S. § 45-454(C) or Request for Exemption Pursuant to A.R.S. § 45-454(D)

Effective January 1, 2006, Arizona Revised Statute (A.R.S.) § 45-454(C) prohibits the drilling of an exempt well (a well that has a maximum pump capacity of not more than thirty-five gallons per minute and that is used only for non-irrigation purposes) on land if any part of the land is within 100 feet of the operating water distribution system of a municipal water provider that has an assured water supply designation (designated water provider) within the boundaries of an Active Management Area (AMA) as shown on a digitized service area map provided to the Director by the municipal provider and updated by the municipal provider as specified by the Director. A.R.S. § 45-454(D) provides that the Director shall provide an exemption from this prohibition if one of the following applies:

1. The landowner submitted a written request for service to the municipal provider that operates the distribution system and the municipal provider did not provide written verification to the landowner within thirty calendar days after receipt of the request that water service is available to the landowner after payment of any applicable fee to the municipal provider.
2. The total capital cost and fees for connecting to the operating water distribution system exceed the total capital cost and fees for drilling and fully equipping the exempt well.
3. If the applicant must obtain an easement across other land to connect to the water distribution system of the municipal provider, the applicant sent the owner of the land a request for the easement by certified mail, return receipt requested, and either the applicant did not receive a response to the request within thirty calendar days of mailing the request or the request was denied.
4. The landowner does not qualify for an exemption pursuant to 1, 2 or 3 above and the landowner provides written verification from the municipal provider that the landowner shall not receive or request water service from the municipal provider while the exempt well is operational. The exemption for the well is revoked if the landowner or any subsequent landowner receives water service from the municipal provider. **In determining whether to approve or reject an application to drill a non-exempt well under A.R.S. § 45-599, the director shall not consider any impacts the proposed non-exempt well may have on the exempt well drilled pursuant to this paragraph.**

In order to obtain authority to drill an exempt well within an AMA, you must fill out the appropriate box below certifying compliance with A.R.S. § 45-454(C) or requesting an exemption pursuant to A.R.S. § 45-454(D).

CERTIFICATION OF COMPLIANCE WITH A.R.S. § 45-454(C)

☑ I certify that no portion of the land on which the proposed exempt well is to be drilled is within one hundred feet of the operating water distribution system of a municipal water provider with an assured water supply designation as shown on the provider's most recent digitized service area map on file with the Arizona Department of Water Resources. I understand that this condition may change prior to the commencement of well drilling and that if, at the time drilling is to commence, the land is within one hundred feet of the operating water distribution system of a municipal water provider with an assured water supply designation as shown on the provider's most recent digitized service area map on file with the Department, the well may not be drilled unless I apply for and am granted an exemption pursuant to A.R.S. § 45-454(D). *(If your exempt well falls into this category, skip to and complete "Signature" on the reverse side)*

REQUEST FOR EXEMPTION PURSUANT TO A.R.S. § 45-454(D)

The land on which the proposed exempt well is to be drilled is within one hundred feet of the operating water distribution system of a municipal water provider with an assured water supply designation as shown on the most recent service area map provided by the municipal provider to the Director of the Arizona Department of Water Resources. Name of municipal provider: _____.

In accordance with A.R.S. § 45-454(D), I am:

☐ Requesting exemption pursuant to A.R.S. § 45-454(D)(1), (2) or (3) as applicable. I certify that I meet the requirements for the exemption. **(Check One)**

NOTE: If you check the box requesting exemption #1, 2, or 3, you must attach to this form evidence of the applicability of the exemption as follows:

☐ Exemption #1: A copy of the letter you sent to the designated water provider requesting water service and a copy of any written response from the provider.

☐ Exemption #2: A cost comparison of the capital cost and fees associated with drilling and equipping the exempt well versus the capital cost and fees associated with connecting to the designated water provider's operating water distribution system. Please list the name of drilling firm that provided the cost estimate for drilling and equipping the well.

☐ Exemption #3: A copy of the letter sent to the landowner from whom an easement must be obtained, a copy of the receipt showing that the letter was received by the landowner and a copy of any written response received from the landowner.

☐ Requesting exemption #4 pursuant to A.R.S. § 45-454(D)(4), with the **understanding that in determining whether to approve or reject an application to drill a non-exempt well under A.R.S. § 45-599 (applicable to wells designed to pump greater than 35 GPM and located within an AMA) the director shall not consider any impacts the proposed non-exempt well may have on the exempt well for which this exemption is granted.**

NOTE: If you checked this box requesting exemption #4, please demonstrate the applicability of the exemption by attaching to this form written verification from the municipal provider that you shall not receive or request water service from the municipal provider while the exempt well is operational.

SIGNATURE

TYPE OR PRINT NAME OF LANDOWNER	
LAURIE Odle	
SIGNATURE OF LANDOWNER	DATE SIGNED
Laurie Odle	4-16-25

NOTE: A current listing of designated water providers can be downloaded **HERE:** https://www.azwater.gov/sites/default/files/2024-05/List_of_Designated_Providers_20240503.pdf

Property Records Inquiry

Revise Search | Print This Page

General Information

2022

Property Address

3313 W PUZZI RANCH RD
DOUGLAS, 85607

Owner Name & Address

Primary Owner
RENDON JOE
7304 6075 RD
OLATHE, CO 81425-9404
100.00%

Legal Description

Subdivision: **Lot:** **Block:**

Section: 17, **Township:** 24, **Range:** 27

Extended Legal: THE E2 OF THE E2 OF THE NE NW4 SEC 17-24-24 10AC AFFIXED/ 2004 - 2000 28X68 PALM HARBOR PH1902017U&X

Property Information

Parcel Number: 40833007D
Account Number: R000119558
Tax District: 2700
Current Mill Levy: 0
Square Feet: 435,600.00
Total Acres: 10.00

Sales Information

Reception #	Sale Price	Deed Type	SaleDate	Grantor	Grantee
2024-15213	$0	QUIT CLAIM	09/10/2024	COBB JAMES; BRANT JERRY	ODLE LAURIE A; COBB JAMES
2022-18954	$135,000	QUIT CLAIM	08/08/2022	RENDON JOE	COBB JAMES, BRANT JERRY
2020-11015	$50,000	QUIT CLAIM	06/04/2020	POWER KENT KEITH	RENDON JOE
20060031242	$105,000	WARRANTY DEED	08/18/2006	RICHARD L PUZZI JR	KENT K & JENNIFER A POWER

Value Information

Approach: Cost

Abstract Code/Description	Value Type	Appraised Value	Assessed Value	Taxable Value
0401I Non-Primary Residence	Improvement	$36,511	$3,651	$3,651
0401L Non-Primary Residence	Land	$13,500	$1,350	$1,350
	Totals:	**$50,011**	**$5,001**	**$5,001**

Limited Property Value (LPV)

Abstract Code/Description	Value Type	LPV Actual	LPV Assessed	LPV Taxable Value
0401I Non-Primary Residence	Improvement	$35,936	$3,594	$3,594
0401L Non-Primary Residence	Land	$13,287	$1,329	$1,329
	Totals:	**$49,223**	**$4,923**	**$4,923**

Account Flags

Flag Type	Flag Description	Unit Count

Property Attributes & Descriptions

Attribute	Attribute Description
The Parcel has the following Exemptions:	
A2 X Physically Unchanged Improved Land AZ 5 Percent Rule	

Building ID 1.00

Occupancy Description	Mobile Home Yard Improvements	**Rooms**	0
Built As	Mobile Home Yard Improvements	**Bedrooms**	0
Exterior		**Baths**	0
HVAC	None	**Year Built**	2001

[BuildingImage]

Detail Type	Detail Description	Units
Add On	SITE PREPARATION - BC	1760.0000
Add On	MOBILE HOME, WATER AND SEPTIC - MHA	1.0000
Add On	MOBILE HOME, ELECTRIC SERVICE - MHE	1.0000
Add On	MOBILE HOME, GAS SERVICE - MHG	1.0000

Building ID 2.00

Occupancy Description	Residential Yard Improvements	**Rooms**	0
Built As	Residential Yard Improvements	**Bedrooms**	0
Exterior		**Baths**	0
HVAC	None	**Year Built**	2001

[BuildingImage]

Detail Type	Detail Description	Units
Add On	SEPTIC TANK - ISX	1.0000
Add On	STORAGE BUILDING, MIN. GRADE - STXM	192.0000

Building ID 3.00

Occupancy Description	Affixed Mobile Home	**Rooms**	0
Built As	Double Wide	**Bedrooms**	0
Exterior	Hardboard Sheet	**Baths**	0
HVAC	Forced Air	**Year Built**	2000

[BuildingImage]

« Return to Results



PARCEL INQUIRY
- TAX SUMMARY
- TAX YEAR DUE
- PAYMENT HISTORY
- APPLIED INT/FEES
- VALUATIONS
- OWNER HISTORY
- SPLIT HISTORY
- UPDATE ADDRESS
- TAX BILL ESTIMATOR
- VIEW PARCEL MAP

PAYMENTS
- PAYMENT OPTIONS
- PAY ONLINE

REPORTS
- TAX BILL/PMT COUPON
- PAYMENT RECEIPT
- TAX RECEIPT
- TAX STATEMENT

Owner History

Ownership information is provided by the Cochise County Assessors office. Clicking the link below will direct you to their website where you can request a change to the current owner mailing address information.

Update Mailing Address Information

Effective Date	Owner Name & Address
09/24/2024	ODLE LAURIE A COBB JAMES 303 E 16TH ST 32 DOUGLAS, AZ 85607
10/20/2023	COBB JAMES BRANT JERRY 303 E 16TH ST # 205 DOUGLAS, AZ 85607
09/30/2022	COBB JAMES BRANT JERRY 4900 W TWIN BUTTES LOOP DOUGLAS, AZ 85607
06/16/2020	RENDON JOE 7304 6075 RD OLATHE, CO 81425
10/15/2007	POWER KENT KEITH 3313 W PUZZI RANCH RD DOUGLAS, AZ 85607
09/29/2006	PUZZI RICHARD L JR NA C 8195 S PLACITA DEL PARQUE TUCSON, AZ 85747
09/16/2004	PUZZI RICHARD L JR NA C 1240 23RD STREET DOUGLAS, AZ 85607
09/19/2002	PUZZI RICHARD L JR NA C 1240 E 23RD ST DOUGLAS, AZ 85607

1 | 20 Items per page | 1 - 8 of 8 Items

© Cochise County

2024-15213
Page 1 of 1
David W. Stevens - Recorder
Cochise County , AZ
Requested By: Laurie A. Odle
09-10-2024 12:39 PM Recording Fee $30.00

When recorded, mail to: LAURIE A Odle
303 E 16th ST #32
DOUGLAS AZ 85607

QUIT CLAIM DEED

ARS 11-1134A7

For the consideration of Ten Dollars, and other valuable consideration, I or we,

Jerry E. Brant

hereby quit-claim to LAURIE A. Odle

all right, title, or interest in the following real property situated in Cochise County, Arizona:

The east half of the east half of the Northeast quarter of the North West quarter of Section 17, township 24 south, Range 27 east of the Gila And salt river base and Meridian, Cochise County, Arizona.

Dated this 10 day of September, 2024

Jerry Brant

Laurie A. Odle

STATE OF ARIZONA }
ss.
COUNTY OF COCHISE }

NORA ADRIANA GARDNER
NOTARY PUBLIC - ARIZONA
COCHISE COUNTY
COMMISSION # 583690
MY COMMISSION EXPIRES
OCTOBER 14, 2024

This instrument was acknowledged before me this 10 day of September, 2024

Nora Gardner
Notary Public

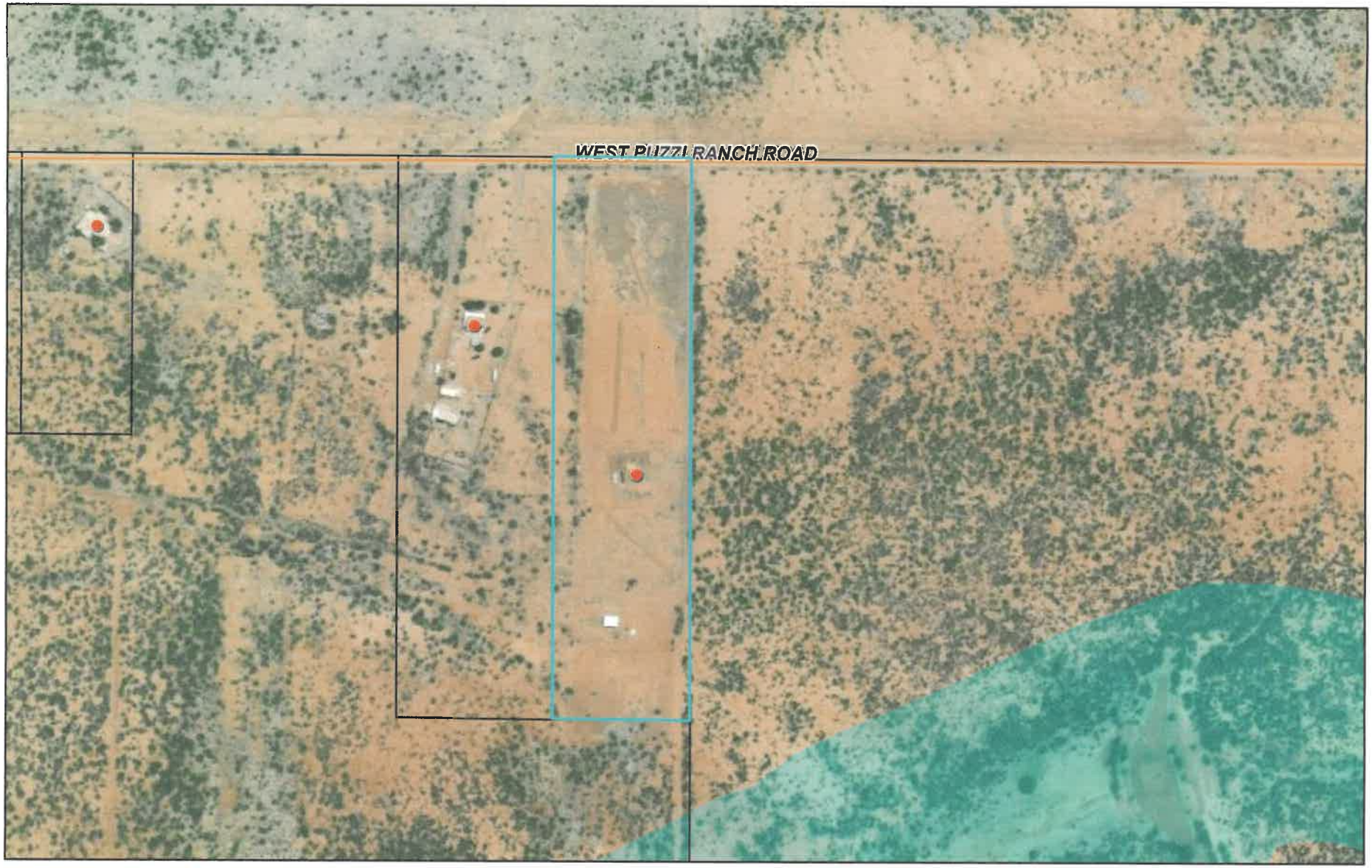
My Commission will expire: 10/14/2024

STATE OF ARIZONA }

This instrument was acknowledged before me

UNOFFICIAL DOCUMENT

ArcGIS Web Map



4/22/2025, 10:55:01 AM

Address

County Maintained Road

Road

Taxable Parcel

NFHL - National Flood Hazard Layer - Flood Hazard Zones

1% Annual Chance Flood Hazard

1:4,514

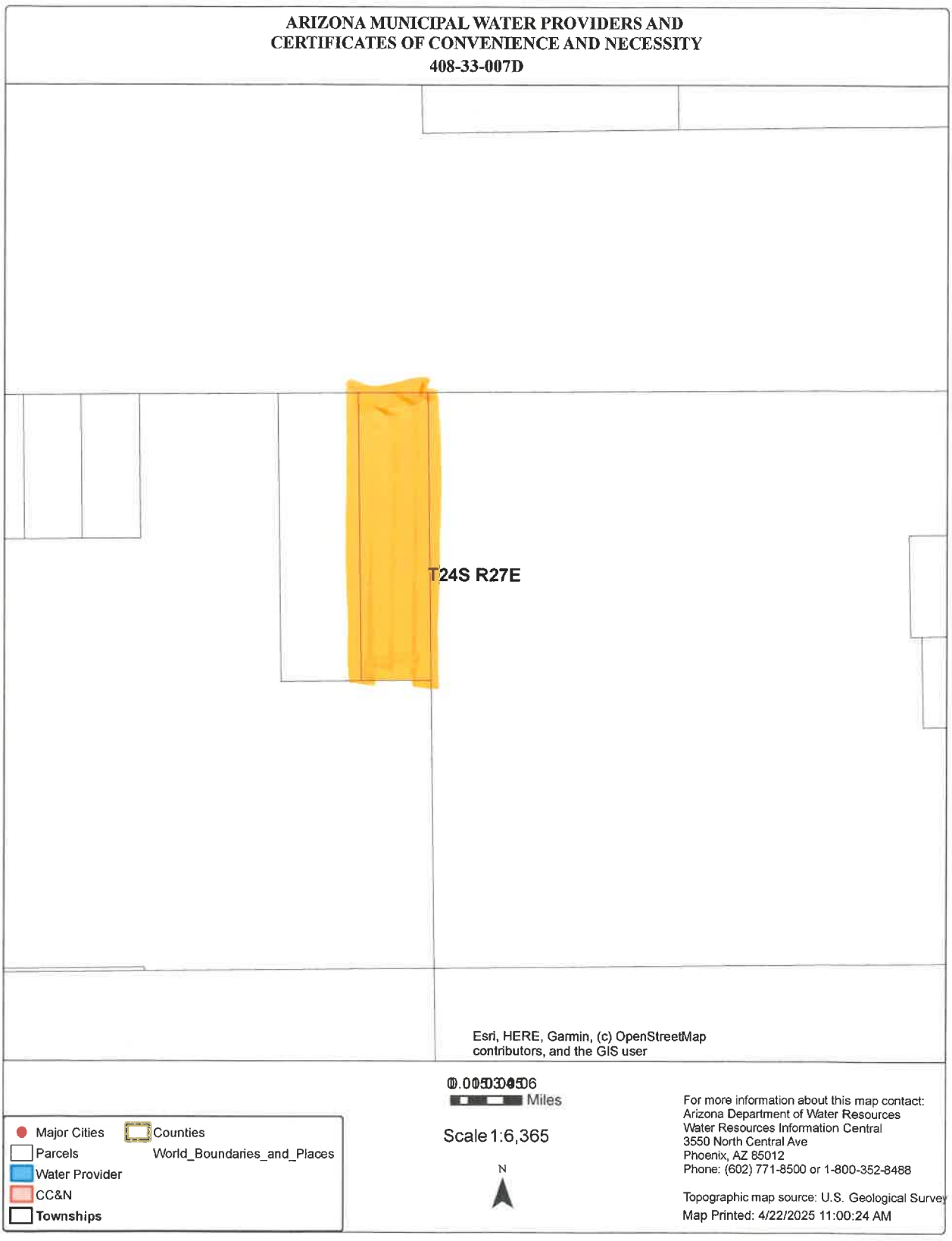
0 0.03 0.07 0.13 mi

0 0.05 0.1 0.2 km

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Web AppBuilder for ArcGIS

ARIZONA MUNICIPAL WATER PROVIDERS AND CERTIFICATES OF CONVENIENCE AND NECESSITY
408-33-007D



For more information about this map contact:
Arizona Department of Water Resources
Water Resources Information Central
3550 North Central Ave
Phoenix, AZ 85012
Phone: (602) 771-8500 or 1-800-352-8488

Topographic map source: U.S. Geological Survey
Map Printed: 4/22/2025 11:00:24 AM



ADWR 55 Well Finder

408-33-007D

Scale 1:4,729

Miles

0 0.08 0.16 0.24 0.32

N

Map Printed: 4/22/2025 10:57:59 AM

Legend

- Cochise
- Active Mgt. Areas
- INAs
- Arizona
- Cadastral Q
- County
- Townships
- Sections

2007 State of Arizona, Department of Water Resources
For more information about this map contact:
Arizona Department of Water Resources
Water Resources Information Central
3550 North Central Ave
Phoenix, AZ 85012
Phone: (602) 771-8500 or 1-800-352-8488

U:\Workspaces\Hydrology\GIS\Projects\PMFProjects\
\Maps\PMF_ArcReader\WellFinder.PMF

Topographic map source: U.S. Geological Survey

Printed: 4/21/2025 2:02:19 PM

Arizona Department of Water Resources

1110 West Washington Street, Suite 310
Phoenix AZ 85007

Customer:
ALVA D OR LAURIE A ODLE
540 E YOUNG AVE STE A #253
WARRENSBURG, MO 64093-7553

Receipt #: 25-113951
Office: MAIN OFFICE
Receipt Date: 04/21/2025
Sale Type: IN_PERSON
Cashier: Susan Montoya

Item No.	Function Code	AOBJ	Description	Ref ID	Qty	Unit Price	Ext Price
67488	122221	4439-TT	Notice of intention to drill a well other than a well described in subsection (A)(1)(h) of this Section	242869	1	150.00	150.00
					RECEIPT TOTAL:		**150.00**

Payment type: CHECK
Amount Paid: $150.00
Payment Received Date: 04/21/2025

Check # 5679

Notes: FROM TTA.

No refund without valid receipt

Arizona Department of Water Resources
Groundwater Permitting and Wells
1802 W Jackson St. Box #79
Phoenix, Arizona 85007
(602) 771-8527 • www.azwater.gov

Well Driller Report and Well Log

THIS REPORT MUST BE FILED WITHIN 30 DAYS OF COMPLETING THE WELL. PURSUANT TO ARIZONA REVISED STATUTE 45-600 AND A.A.C. RULE R12-15-808.

FILE NUMBER: **D(24-24) 17 BAD**
WELL REGISTRATION NUMBER: **55 - 242869**
PERMIT NUMBER (IF ISSUED):

WELL DRILLER LOGS AND REPORTS CAN ALSO BE DONE ONLINE AT:
http://www.azwater.gov/eForms/Forms/DL/DWR_DL.aspx

SECTION 1. DRILLING AUTHORIZATION

Drilling Firm

Mail To:

NAME	DWR LICENSE NUMBER
ALLEN'S WELL SERVICE, LLC	14
ADDRESS	**TELEPHONE NUMBER**
5509 W GLEESON RD	520-642-3775
CITY / STATE / ZIP	**FAX**
ELFRIDA, AZ, 85610-9050	

SECTION 2. REGISTRY INFORMATION

Well Owner

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL: OLDIE, LAURIE

MAILING ADDRESS: 303 E. 16TH ST. #32

CITY / STATE / ZIP: DOUGLAS, AZ, 85607

CONTACT PERSON NAME AND TITLE:

TELEPHONE NUMBER: 660 2380126

FAX:

WELL NAME (e.g., MW-1, PZ-3, lot 25 Well, Smith Well, etc.):

COUNTY: COCHISE

ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)

BOOK	MAP	PARCEL
408	33	007D

Location of Well

WELL LOCATION ADDRESS (IF ANY):

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE 1/4	40 ACRE 1/4	10 ACRE 1/4

LATITUDE			LONGITUDE		
° DEGREES	' MINUTES	"N SECONDS	° DEGREES	' MINUTES	"W SECONDS

METHOD OF LATITUDE/LONGITUDE (CHECK ONE)
☐ *GPS: Hand-Held ☐ *GPS: Survey-Grade ☐ TOPO

*LATITUDE/LONGITUDE DATUM, GPS (CHECK ONE)
☐ NAD83 ☐ NAD27 ☐ WGS84 ☐ Other _____

METHOD OF ELEVATION (CHECK ONE)
☐ *GPS: Hand-Held ☐ *GPS: Survey-Grade ☐ TOPO

LAND SURFACE ELEVATION AT WELL
ELEVATION _____ Feet Above Sea Level

*ELEVATION DATUM (CHECK ONE)
☐ NAVD88 ☐ NGVD29 ☐ OTHER _____

SECTION 3. WELL CONSTRUCTION DETAILS

Drilling Method

CHECK ONE
☐ Air Rotary
☐ Bored or Augered
☐ Cable Tool
☐ Dual Rotary
☐ Mud Rotary
☐ Reverse Circulation
☐ Driven
☐ Jetted
☐ Air Percussion / Odex Tubing
☐ Other (please specify)

Method of Well Development

CHECK ONE
☐ Airlift
☐ Bail
☐ Surge Block
☐ Surge Pump
☐ Other (please specify)

Condition of Well

CHECK ONE
☐ Capped ☐ Abandoned
☐ Pump Installed ☐ **Not Drilled**

Method of Sealing at Reduction Points

CHECK ONE
☐ None
☐ Packed
☐ Swedged
☐ Welded
☐ Other (please specify)

Construction Dates

DATE WELL CONSTRUCTION STARTED

DATE WELL CONSTRUCTION COMPLETED

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

SIGNATURE OF QUALIFYING PARTY	DATE

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 242869

SECTION 4. WELL CONSTRUCTION DESIGN (AS BUILD) (attach additional page if needed)

Depth

DEPTH OF BORING (Feet Below Land Surface)	DEPTH OF COMPLETED WELL (Feet Below Land Surface)

Water Level Information

STATIC WATER LEVEL (Feet Below Land Surface)	DATE MEASURED	TIME MEASURED	IF FLOWING WELL, METHOD OF FLOW REGULATION
			☐ Valve ☐ Other:

Borehole

DEPTH FROM SURFACE FROM (feet)	DEPTH FROM SURFACE TO (feet)	BOREHOLE DIAMETER (inches)

Installed Casing

DEPTH FROM SURFACE FROM (feet)	DEPTH FROM SURFACE TO (feet)	OUTER (inches)	MATERIAL TYPE (X) STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	PERFORATION TYPE (X) BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE	SLOT SIZE (inches)

Installed Annular Material

DEPTH FROM SURFACE FROM (feet)	DEPTH FROM SURFACE TO (feet)	ANNULAR MATERIAL TYPE (X) NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE GROUT	BENTONITE CHIPS	BENTONITE PELLETS	IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	FILTER PACK SAND	FILTER PACK GRAVEL	FILTER PACK SIZE

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 242869

SECTION 5. GEOLOGIC LOG OF WELL

DEPTH FROM SURFACE FROM (feet)	DEPTH FROM SURFACE TO (feet)	**Description** Describe material, grain size, color, etc.	Check (X) every interval where water was encountered (if known)

Well Driller Report and Well Log

WELL REGISTRATION NUMBER
55 - 242869

SECTION 6. WELL SITE PLAN

NAME OF WELL OWNER	COUNTY ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)		
	BOOK	MAP	PARCEL
OLDIE, LAURIE	408	33	007D

- Required for all wells, please draw the following: (1) the boundaries of property on which the well was located; (2) the well location; (3) the locations of all septic tank systems and sewer systems on the property or within 100 feet of the well location, even if on neighboring properties; and (4) any permanent structures on the property that may aid in locating the well.
- Please indicate the distance between the well location and any septic tank system or sewer system.

N
W E
S

1" = _____ ft

Please place an "X" where the well will be located



Form 55-55 Instructions

Well Driller Report and Well Log

Introduction

These instructions are a guide to filling out Form DWR 55-55 (Rev. 06/15/2010), entitled "Well Driller Report and Well Log." Please review the instructions prior to completing the form in black or blue ink. Forms may be obtained at any Arizona Department of Water Resources (ADWR) office and at ADWR's web site, http://www.azwater.gov. For information about the form or these instructions, contact Groundwater Permitting & Wells at (602) 771-8500. There is no fee for filing this form.

When Form DWR 55-55 Must be Filed

Within 30 days after completion of the drilling, deepening or modification of a well, the licensed well driller who performed the work must file a Well Driller Report and Log with ADWR. Because the information in the report describes the well as it was actually constructed, and comes from the person who constructed the well, the information is very valuable to ADWR. For that reason, it is very important to fill out the report with the most accurate information possible.

Instructions for Filling out the Form

Well Registration and Permit Numbers

Fill in the registration number of the well and any ADWR permit number associated with the well in the upper right-hand corner of the first page. Also fill in the well registration number in the upper right-hand corner of all other pages so that the well information on those pages can be identified when the pages are separated during computer imaging.

Section 1 - Drilling Authorization

Fill in the name, address, DWR license number and telephone and fax numbers of the drilling firm filing the report.

Section 2 - Registry Information

Well Owner

Fill in the name, mailing address, telephone number and fax number (if available) of the well owner. If the well owner is a corporation, governmental unit or other entity, provide the name of a contact person.

Location of Well

Fill in the following information relating to the location of the well:

- The street address of the property where the well is located. For monitor wells or other wells associated with contaminant investigations or remedial projects, this will usually be the same as the facility address.
- The legal description of the well site. The legal description is the township, range, section, and in decreasing order, the quarters of that section so that the well location falls in a 10-acre block within that section. Normally, the legal description will be the same as that given in the original Notice of Intent to drill the well, but occasionally a more accurate description is discovered after the Notice is filed.
- The latitude and longitude (in degrees-minutes-seconds format) and land surface elevation at the well, and the method used to determine these data. **Please note this information is mandatory.** Use of a Global Positioning System (GPS) receiver is the only method accepted by the Department. The GPS unit should be adjusted to use the NAD-83 datum. Please indicate if the geographic coordinate datum used was NAD-83, and if not, which datum was used.
- The name of the county and the tax assessor's parcel identification number for the land where the well is located. This information can normally be taken from the original Notice of Intent to drill the well, and may also be obtained from the county tax assessor's office. Federal or State land will not have a parcel identification number.

Section 3 - Well Construction Details

Section 3 requires details on the construction of the well. Indicate the drill method by checking the appropriate box. If the drill method is not listed, check the "Other" box and describe the method. To the right of that, indicate the method of well development by checking the

appropriate box. Next, indicate the method of sealing at reduction points. If the method used is not listed, check "Other" and provide a brief explanation. Under *Well Driller Completion Report and Well Log* Form 55-55 Instructions (Rev. 06/2010) Page 2

Condition of Well, indicate whether the well was capped, or a pump was installed, when you left it. Then fill in the date when well construction started, and the date when well construction was completed.

Signature Block

The form must be signed and dated by the qualifying party of the drilling firm.

Section 4 - Well Construction Design (As Built)

Section 4 contains tables to fill in information on the existing borehole, the installed casing and the installed annular material. The tables are broken down by depth interval.

In the first set of boxes, fill in the depth of the boring and the depth of the completed well, as measured in feet below the land surface.

Under **Water Level Information** please indicate the static water level in the well, as measured in feet below the land surface, and the date and time the water level was measured. If the well is a flowing well, include the method by which the artesian flow is regulated.

In the **Borehole** table, fill in the diameter of the borehole in inches, and indicate the depth interval for each change in diameter. In the **Installed Casing** table, fill in the outer diameter of the casing in inches, check the appropriate boxes indicating the type of casing material and the type of perforations, and fill in the slot size of any perforations. Fill in the depth interval for each change in information. Please note that not every interval will be perforated. Check the "Blank or None" box for non-perforated depth intervals. If the type of casing material or perforations is not listed, describe the type in the appropriate box.

In the **Installed Annular Material** table, check the appropriate boxes indicating the type of annular material or filter pack installed at each depth interval. Fill in the size of the filter pack used. Provide the depth interval for each change in information. If the type of annular material is not listed, describe the material in the appropriate box.

Section 5 - Geologic Log of Well

Section 5 requires the geologic or lithologic log of the well. Describe the various units encountered during drilling. Provide as much description as possible. The log description must be broken down by depth intervals below ground surface, and every interval where groundwater, including perched groundwater, was encountered must be checked. If a consulting firm was involved with the well construction, the consultant's lithologic log may be submitted in lieu of completing Section 5.

Section 6 - Well Site Plan

In the boxes at the top of Section 6, fill in the name of the well owner and the county tax assessor's parcel identification number for the land where the well is located. Below that, provide a scale drawing of where the well was actually constructed on the parcel, illustrating the property boundaries, the well location and any structures on the property. The drawing must also show the location of any septic tank or sewer systems on the property or within 100 feet of the well, even if on neighboring property, and the distance between the well and the septic tank or sewer system. The drawing should closely match the drawing on the original Notice of Intent to drill the well, but the purpose of this drawing is to show where the well was actually drilled, especially if the location is different than originally planned. This information will be shared with the county.

Where to File Form

Completed forms may be mailed to ADWR at the following address:

Arizona Department of Water Resources
Groundwater Permitting and Wells
1802 W Jackson St. Box #79
Phoenix, AZ 85007

Completed forms may also be submitted to ADWR's main office at 1110 W. Washington St. Suite 310., Phoenix, AZ 85007.

The completed form must be legible and of good quality when received by ADWR so that it can be scanned into ADWR's permanent records.

Arizona Department of Water Resources
Information Management Unit
1802 W Jackson St. Box #79
Phoenix, AZ 85007
(602) 771-8527 • www.azwater.gov

Pump Installation Completion Report

- Review instructions prior to completing form in black or blue ink.
- The registered well owner shoud file this report with the Department within 30 days following installation of pump equipment.

FILE NUMBER
D(24-24) 17 BAD
WELL REGISTRATION NUMBER
55 - 242869

** PLEASE PRINT CLEARLY **

SECTION 1. REGISTRY INFORMATION

Well Owner

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL
OLDIE, LAURIE

MAILING ADDRESS
303 E. 16TH ST. #32

CITY / STATE / ZIP
DOUGLAS, AZ, 85607

CONTACT PERSON NAME AND TITLE

TELEPHONE NUMBER
660 2380126

FAX

Location of Well

WELL LOCATION ADDRESS (IF ANY)

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
			1/4	1/4	1/4

COUNTY ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)

BOOK	MAP	PARCEL
408	33	007D

COUNTY WHERE WELL IS LOCATED

SECTION 2. EQUIPMENT INSTALLED

DATE PUMP INSTALLED

Pump Type

CHECK ONE

- ☐ Air Lift
- ☐ Bucket
- ☐ Centrifugal
- ☐ Jet
- ☐ Piston
- ☐ Rotary
- ☐ Submersible
- ☐ Turbine
- ☐ Other *(Please Specify):*

RATED PUMP CAPACITY
Gallons Per Minute

Pitless Adaptor

CHECK ONE *(SEE INSTRUCTIONS FOR DEFINITION)*

Was a pitless adaptor installed? ☐ Yes ☐ No

IF YES, DEPTH BELOW GROUND LEVEL THE DEVICE WAS INSTALLED
Feet

Power Type

CHECK ONE

- ☐ Diesel Engine
- ☐ Electric Motor
- ☐ Gasoline Engine
- ☐ Hand
- ☐ Natural Gas
- ☐ Windmill
- ☐ Other *(Please Specify):*

HORSE POWER RATING OF MOTOR

SECTION 3. PUMP TEST

Pump Test Data

DATE WELL TESTED

STATIC WATER LEVEL (A)
Feet Below Land Surface

PUMPING WATER LEVEL (B)
Feet Below Land Surface

DRAWDOWN [(B) - (A)]
Feet Below Land Surface

TEST PUMPING RATE
Gallons Per Minute

DURATION OF PUMP TEST (Minimum 4 Hours)
Hours

TOTAL PUMPING LIFT
Feet

FOR FLOWING WELL, MEASURED SHUT IN HEAD ☐ FT ☐ PSI

Method of Discharge Measurement

CHECK ONE

- ☐ Bailer
- ☐ Bucket - Barrel - Stopwatch
- ☐ Current
- ☐ Estimated - Air Lift
- ☐ Gauge
- ☐ Meter
- ☐ Orifice
- ☐ Volume
- ☐ Weir - Flume
- ☐ Other *(Please Specify):*

Method of Measuring Water Level

CHECK ONE

- ☐ Air Line
- ☐ Electric Measuring Line (Sounder)
- ☐ Steel Tape
- ☐ Other *(Please Specify):*

I HEREBY CERTIFY that the above statements are true to the best of my knowledge and belief according to A.R.S. § 45-600(B).

SIGNATURE OF WELL OWNER

DATE

Form 55-56 Instructions

Pump Installation Completion Report

Introduction

These instructions are a guide to filling out Form DWR 55-56 (Rev. 07/20/07), entitled "Pump Installation Completion Report." Please review the instructions prior to completing the form in black or blue ink. Forms may be obtained at any Arizona Department of Water Resources (ADWR) office and at ADWR's Web site, http://www.azwater.gov. For information about the form or these instructions, contact the Supervisor of the Notice of Intent Program at (602) 771-8500. There is no fee for filing this form.

When Form DWR 55-56 Must be Filed

A Pump Installation Completion Report must be filed by the owner of a well within 30 days after a pump is installed in the well. It is recommended that the report be filled out with the assistance of the firm that installed the pump. The information in the report, including where the well is located, who owns the well, and what pump equipment was installed in the well, will be placed in ADWR's database of all wells in Arizona. Because the report will describe conditions in the well as they actually exist, the information is very valuable to ADWR. For that reason, it is very important to fill out the report with the most accurate information possible.

Instructions for Filling out the Form

Well Registration Number

Fill in the registration number of the well in the box in the upper right-hand corner of the form. If this is a new well, the number will be the registration number that ADWR assigned to the well when the Notice of Intent to drill the well was filed.

Section 1 - Registry Information

Well Owner

Fill in the well owner's name, mailing address and telephone and fax numbers. If the well owner is a corporation, governmental unit or other entity, provide the name of a contact person.

Location of Well

Fill in the following information relating to the location of the well:

The street address of the property where the well is located, if the property has a street address.

- The legal description of the well location. The legal description is the township, range, section, and in decreasing order, the quarters of that section so that the well location falls in a 10-acre block within that section. This will usually be the same as the legal description for the well location submitted with the original Notice of Intent to drill the well, but occasionally a more accurate legal description is discovered after the Notice is filed.

- The county tax assessor's parcel identification number for the land where the well is located. This information can normally be taken from the original Notice of Intent to drill the well, and may also be obtained from the county tax assessor's office. Federal or State land will not have a parcel identification number.

- The name of the county where the well is located.

Section 2 - Equipment Installed

Section 2 requires information on the pump equipment installed in the well. In the space in the upper left-hand corner of the section, fill in the date the pump equipment was installed.

Pitless adaptor is defined in Arizona Administrative Code R12-15-801(21), as a commercially manufactured watertight unit or device designed for attachment to a steel well casing which permits discharge from the well below the land surface and allows access into the well casing while preventing contaminants from entering the well. In the box labeled **Pitless Adaptor,** check yes if a pitless adaptor was installed and note at what depth below grade the device was installed.

In the block labeled **Pump Type**, check the appropriate box indicating the type of pump installed. If the type of pump is not listed, check "Other" and describe the pump type. Below that block, fill in the rated pump capacity of the pump in gallons per minute.

In the block labeled **Power Type**, check the appropriate box indicating the type of power the pump uses. If the type of power is not listed, check "Other" and describe the power type. Below that block, fill in the horsepower rating of the

motor. This information can be obtained from the firm that installed the pump.

Section 3 - Pump Test

Section 3 contains three blocks for providing information on the results of the pumping test that is required to be performed on the well and pump. In the block labeled **Pump Test Data**, fill in the following information:

- The date the well was tested.
- The static water level in the well. This is the water level in the well immediately prior to the pumping test, as measured in feet below the land surface.
- The pumping water level. This is the water level in the well immediately after the pump was operated for at least four hours, as measured in feet below the land surface.
- Drawdown. This is the difference between the pumping water level and the static water level.
- The pumping rate during the test, as measured in gallons per minute.
- The duration of the pumping test, which must be at least four hours of continuous operation.
- The total pumping lift, if known, as measured in feet.
- If the well is a flowing or artesian well, the shut-in pressure head in feet or pounds per square inch.

In the block labeled **Method of Discharge Measurement**, check the appropriate box indicating how the discharge was measured during the pumping test. If the method of measurement is not listed, check "Other" and provide a brief description of the method.

In the block labeled **Method of Measuring Water Level**, check the appropriate box indicating the method by which the water levels were measured during the pumping test. If the method used is not listed, check "Other" and provide a brief description of the method.

Signature Block

The form must be signed and dated by the well owner.

Where to File Form

Completed forms may be mailed to ADWR at the following address:

Arizona Department of Water Resources
Groundwater Permitting and Wells
1802 W Jackson St. Box #79
Phoenix, AZ 85007

Completed forms may also be submitted to ADWR's main office in Phoenix at 1110 W. Washington St. Suite 310 Phoenix, Az. 85007.

The completed form must be legible and of good quality when received by ADWR so that it can be scanned into ADWR's permanent records.

IS YOUR WELL REGULATED BY ADEQ?

While the Arizona Department of Water Resources (ADWR) permits the drilling of a well, the Arizona Department of Environmental Quality (ADEQ) regulates any well **used for drinking water** that:

- has at least 15 service connections, or
- serves an average of at least 25 people for at least 60 days per year.



Before drinking from your well:

- Test your water at a laboratory
- Submit construction plans to ADEQ for review

For questions or to submit documentation, please contact the ADEQ Engineering Review team:

602-771-4677
E-mail: wqd_dwser@azdeq.gov
Visit: azdeq.gov/EngineeringReview

ADEQ | Engineering Review
1110 W. Washington Street
Phoenix, AZ 85007

Publication number: C-18-02 | For translations or other communications aids, please email the Title VI Coordinator at idb@azdeq.gov | Para traducciones u otras ayudas de comunicación, envíe un correo electrónico al Coordinador del Título VI al idb@azdeq.gov.

Original upload for Registry: 55-483165

Record updated: **4/10/2025**

--- The document starts on the next page. ---

Run Date: 04/09/2025

AZ DEPARTMENT OF WATER RESOURCES

WELL REGISTRY REPORT - WELLS55

Location D 24.0 24.0 18 C C B

Well Reg.No
55 - 483165

AMA NOT WITHIN ANY AMA OR INA

Registered Name
CITY OF BISBEE
76 ERIC ST
BISBEE AZ 85603

File Type ABANDONMENTS
Application/Issue Date 03/26/2025

Owner OWNER
Driller No. 919
Driller Name TRIPLE L WELL AND PUMP SERVICE
Driller Phone 520-456-9377
County COCHISE
Parcel No. 102-57-194C
Intended Capacity GPM 0.00

Well Type EXEMPT
SubBasin SIERRA VISTA
Watershed SAN PEDRO RIVER
Registered Water Uses DOMESTIC
Registered Well Uses ABANDONED
Discharge Method NO DISCHARGE METHOD LISTED
Power NO POWER CODE LISTED

Well Depth	0.00	**Case Diam**	0.00	**Tested Cap**	0.00
Pump Cap.	0.00	**Case Depth**	0.00	**CRT**	
Draw Down	0.00	**Water Level**	0.00	**Log**	
		Acres Irrig	0.00	**Finish**	NO CASING CODE LISTED

Contamination Site: YES - WITHIN 1/2 MI OF VRP

Tribe: GRIC Maintenance area

Comments

55-483165

Current Action

4/7/2025 550 DRILLING AUTHORITY ISSUED
Action Comment: wa

Action History

4/7/2025 555 DRILLER & OWNER PACKETS MAILED
Action Comment: wa

3/27/2025 945 REVIEW OF NOI/APP RECEIVED FROM ADEQ AND/OR EPA
Action Comment: wa

3/27/2025 200 NOI SENDBACK TO APPLICANT
Action Comment: rn - surface seal, fill material, emplacement method

3/26/2025 175 NOI RECEIVED TO ABANDON A WELL
Action Comment: rtn

3/26/2025 940 NOI/APP SENT TO ADEQ AND/OR EPA FOR REVIEW
Action Comment: wa

ARIZONA DEPARTMENT OF WATER RESOURCES
1110 W. Washington St. Suite 310
Phoenix, Arizona 85007

ABANDON

ANY DEVIATION IN WELL LOCATION FROM THE PLOT PLAN APPROVED FROM THE COUNTY OR LOCAL HEALTH AUTHORITY MUST BE RE-SUBMITTED FOR APPROVAL

NOTICE! This well is located in or near an area of groundwater contamination (WQARF/CERCLA/DOD or Other). Be advised that **special requirements may apply**.

THIS AUTHORIZATION SHALL BE IN POSSESSION OF THE DRILLER DURING ALL DRILLING OPERATIONS

WELL REGISTRATION NO: **55-483165**

AUTHORIZED DRILLER: **TRIPLE L WELL AND PUMP SERVICE** LICENSE NO: **919**

NOTICE OF INTENTION TO ABANDON EXEMPT WELL(S) HAS BEEN FILED WITH THE DEPARTMENT BY:

WELL OWNER: **CITY OF BISBEE 76 ERIC ST BISBEE, AZ, 85603**

THE WELL(S) IS/ARE TO BE LOCATED IN THE:

NW 1/4 of the **SW** 1/4 of the **SW** 1/4 Section **18** Township **24.0 SOUTH** Range **24.0 EAST**

NO. OF WELLS IN THIS PROJECT: ASSESSOR'S PARCEL NO: **102-57-194C**

THIS AUTHORIZATION EXPIRES AT MIDNIGHT ON THE DAY OF

Sheila Murillo

GROUNDWATER PERMITTING AND WELLS

THE DRILLER MUST FILE A WELL ABANDONMENT COMPLETION REPORT WITHIN 30 DAYS OF ABANDONMENT.

ARIZONA DEPARTMENT of WATER RESOURCES
1110 W. Washington St. Suite 310
Phoenix, AZ 85007
602-771-8500
azwater.gov

April 7, 2025

CITY OF BISBEE
76 ERIC ST
BISBEE, AZ 85603

Registration No. 55- 483165
File Number: D(24-24) 18 CCB

KATIE M. HOBBS
Governor

THOMAS BUSCHATZKE
Director

Dear Well Owner:

Enclosed is a copy of the Notice of Intent to Abandon a Well (NOI) which you or your driller recently filed with the Department of Water Resources. This letter is to inform you that the Department has approved the NOI and has mailed an abandonment authorization card to your designated well drilling contractor. The driller may not begin abandonment until he/she has received the authorization, and must keep it in their possession at the well site during the abandonment.

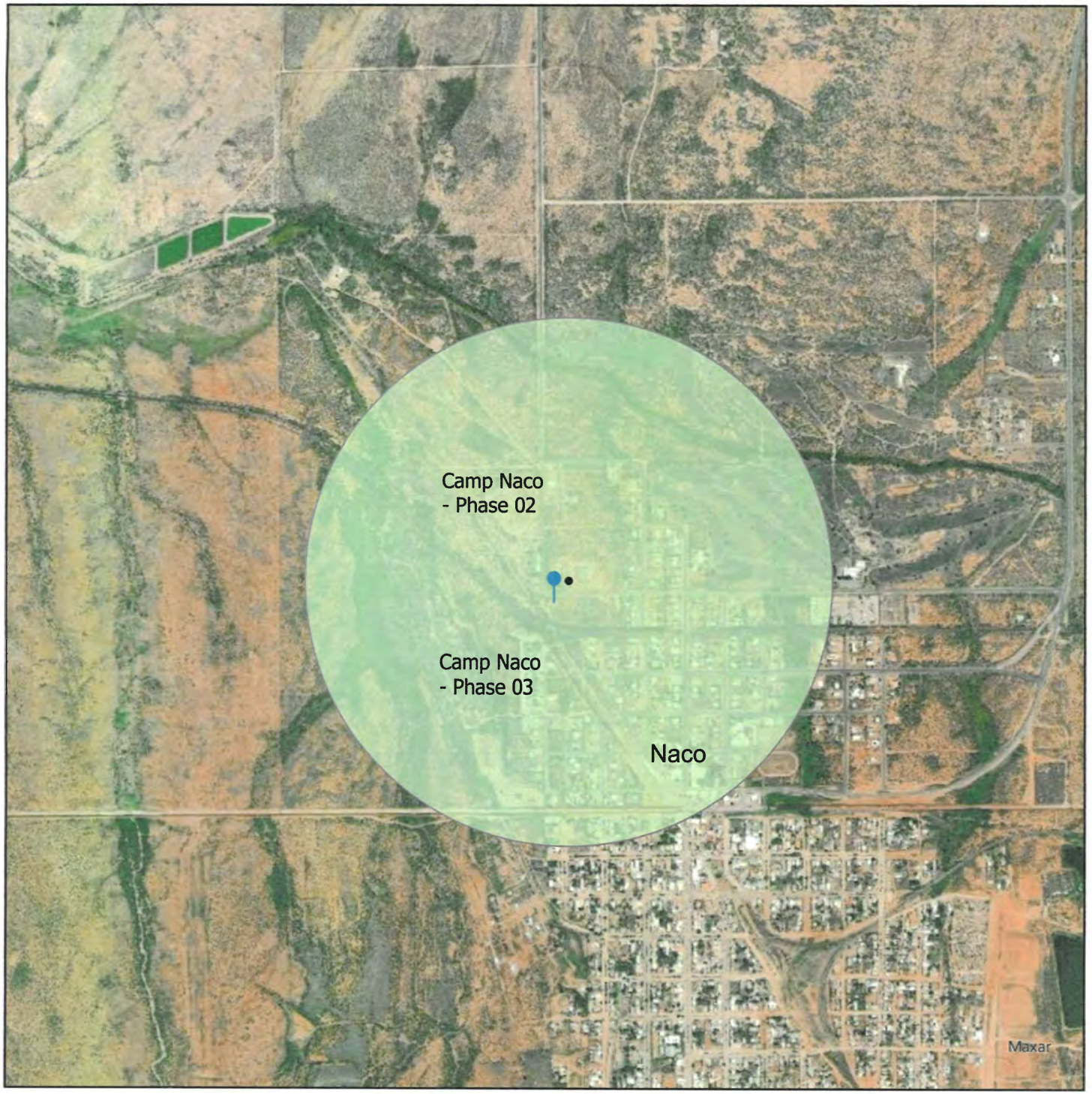
The well abandonment authorization card and a blank Well Abandonment Completion Report form (form 55-58) have been sent to your driller. Arizona statute [A.R.S. § 45-594] requires the driller to furnish the Department with a complete and accurate Well Abandonment Completion Report within thirty (30) days after completion of abandonment. Arizona statute also requires a well owner to submit a Well Owner's Notification of Abandonment form (form 55-36) within thirty (30) days after the well has been properly abandoned. A copy of the form is enclosed for your convenience. An electronic copy (compact disc or electronic file) of all video logs, if performed, must be included with the well owner's notification or Well Abandonment Completion Report. You should insist, and ensure, all of this is done.

If you change drillers, you must supply the Department with the new driller's identity on a Request to Change Well Drilling Contractor form (form 55-71B). Forms may be obtained by contacting the Department, or online at https://new.azwater.gov/permitting-wells/well-forms-and-applications. Well abandonments shall be performed only by a licensed well drilling contractor or single well licensee.

Sincerely,

Wisam Abdelsamad

Groundwater Permitting and Wells Section



Proposed Abandonment of Well #55-483165, Cochise County, AZ

Legend

- Subject Well(s)
- VRP
- VRP Buffer
- City

Feet

0 1,250 2,500

N

KATIE M. HOBBS
GOVERNOR

THOMAS BUSCHATZKE
DIRECTOR

ARIZONA DEPARTMENT OF WATER RESOURCES
1110 WEST WASHINGTON STREET, SUITE 310
PHOENIX, ARIZONA 85007
602.771.8500
AZWATER.GOV

March 27, 2025

City of Bisbee
Attn: Micheal Normand
76 Eric St.
Bisbee, AZ 85603

Re: Notice of Intent to Abandon a Well, Registration Number 55-483165

Dear Mr. Normand:

The Arizona Department of Water Resources (Department) has reviewed the above-referenced application to determine if the application meets the substantive requirements of A.R.S. § 45-596. Pursuant to A.R.S. § 41-1074, the Department has determined that additional information is required. The following information must be submitted before the Department can complete the application review:

- **Section 6, Emplacement Method of Sealing or Fill Material**: The Department has determined that the well must be abandoned using the Alternative 3 Method in the Well Abandonment Handbook. The method selected for the emplacement of sealing or fill material was "Gravity." A tremie pipe must be used to emplace the grout from the bottom up. Please provide a revised page 2 with the correct emplacement method.

- **Section 6, Proposed Well Abandonment Design**: The Department does not have record of the well having an existing surface seal per Arizona Administrative Code (A.A.C.) R12-15-811(B), nor was any documentation related to the existing surface seal included with the application. Per A.A.C. R12-15-816(H), all wells in Arizona must be abandoned with cement grout, both within the casing and within the annulus between the borehole and the casing, from 2 feet below the land surface (bls) to a depth of 20 feet bls. Please revise the abandonment method to include the emplacement of a surface seal per these requirements.

- **Section 6, Proposed Well Abandonment Design** Concrete and sand are not acceptable well abandonment fill materials. The well must be abandoned with one of the following fill material from the Well Abandonment Handbook. The types of acceptable materials or mixtures are: cement grout (including neat cement grout and cement bentonite grout), high-solids bentonite grout (granular or powder mixtures) with a minimum of 15% solids by weight, high-solids bentonite chips or high solids bentonite pellets. See Table 1 for mixing ratios. A minimum of 15% bentonite solids will be acceptable in most cases. Please revise Section 6 of the NOI.

The Department's administrative review time frame is suspended until all of the requested information is provided. Failure to submit the information requested within 60 days may result in the denial of the application.

Please submit the requested information to my attention. If you have any questions or need further assistance you can contact me at 602-771-8547. I have enclosed a copy of the application for your reference.

Sincerely,

Rob Narmour
Hydrogeologist, Groundwater Permitting and Wells

Attachments:
Well Location Map
Application, Registration Number 55-483165

Gmail

Wisam Abujaber <wabujaber@azwater.gov>

NOI to Abandon Domestic Well #483165 – Parcel ID: 102-57-194C, Cochise County, AZ.

4 messages

Wisam Abujaber <wabujaber@azwater.gov> Wed, Mar 26, 2025 at 9:46 AM
To: Scott Green <green.scott@azdeq.gov>, Nichole Osuch <osuch.nichole@azdeq.gov>, Jennifer Widlowski <widlowski.jennifer@azdeq.gov>
Cc: Robert <rnarmour@azwater.gov>, Alicia Flores <aflores@azwater.gov>

Good moring,

We have received a Notice of Intent (NOI) to abandon a domestic well located at Parcel ID 102-57-194C in Cochise County, AZ, within Camp Naco - Phase 02 and Camp Naco - Phase 03 (Site Codes: 510439-02 & 510439-03).

Please see the attached location map and NOI for your reference. Let me know if you have any comments or concerns.

Sincerely,

--

Wisam Abujaber

Hydrogeologist - Intern, Groundwater Permitting & Wells

Arizona Department of Water Resources

(602) 771-8613

wabujaber@azwater.gov

https://new.azwater.gov/

PROTECTING ARIZONA'S WATER SUPPLIES for ITS NEXT CENTURY

2 attachments

55-483165NOI.pdf
479K

55-483165MAP.pdf
1175K

Nichole Osuch <osuch.nichole@azdeq.gov> Wed, Mar 26, 2025 at 2:52 PM
To: Wisam Abujaber <wabujaber@azwater.gov>
Cc: Scott Green <green.scott@azdeq.gov>, Jennifer Widlowski <widlowski.jennifer@azdeq.gov>, Robert <rnarmour@azwater.gov>, Alicia Flores <aflores@azwater.gov>

No comments or concerns. Thanks

Nichole Osuch, PMP
Environmental Scientist
Arizona Department of Environmental Quality

1110 W. Washington St., #160
Phoenix, AZ 85007

O: 602-771-4847
AZDEQ.gov

[Quoted text hidden]

Robert Narmour <rnarmour@azwater.gov> Thu, Mar 27, 2025 at 9:07 AM
To: Nichole Osuch <osuch.nichole@azdeq.gov>
Cc: Wisam Abujaber <wabujaber@azwater.gov>, Scott Green <green.scott@azdeq.gov>, Jennifer Widlowski <widlowski.jennifer@azdeq.gov>, Alicia Flores <aflores@azwater.gov>

Hi Nichole,

Since this well is less than one hundred feet from the property the release occurred, we want to be sure this well is properly abandoned. Do you have any records or additional information related to this release? Was groundwater impacted? I looked online, but only found the very interesting history of the buffalo soldiers and Camp Naco.

Let me know.

Rob
[Quoted text hidden]
--

Rob Narmour

Hydrogeologist, Groundwater Permitting & Wells

Arizona Department of Water Resources

(602) 771-8547

rnarmour@azwater.gov

https://new.azwater.gov/

PROTECTING ARIZONA'S WATER SUPPLIES for ITS NEXT CENTURY

Nichole Osuch <osuch.nichole@azdeq.gov> Thu, Mar 27, 2025 at 10:08 AM
To: Robert Narmour <rnarmour@azwater.gov>
Cc: Wisam Abujaber <wabujaber@azwater.gov>, Scott Green <green.scott@azdeq.gov>, Jennifer Widlowski <widlowski.jennifer@azdeq.gov>, Alicia Flores <aflores@azwater.gov>

According to our records, this was a Brownfields site that was remediated for asbestos and lead based paint, no groundwater contamination. I hope this helps.

Nichole Osuch, PMP
Environmental Scientist
Arizona Department of Environmental Quality

1110 W. Washington St., #160
Phoenix, AZ 85007

O: 602-771-4847
AZDEQ.gov

[Quoted text hidden]

Gmail

Wisam Abujaber <wabujaber@azwater.gov>

Re: Well #55-483165 Abandonment - City of Bisbee

5 messages

Robert Narmour <rnarmour@azwater.gov> Mon, Mar 31, 2025 at 3:40 PM
To: "triplelwell@gmail.com" <triplelwell@gmail.com>
Cc: Wisam Abujaber <wabujaber@azwater.gov>

Since I am out the rest of the week, I am copying my co-worker on this email. Please include him in your response.

Thanks,

Rob

On Mon, Mar 31, 2025 at 9:10 AM Robert Narmour <rnarmour@azwater.gov> wrote:

> Good talking with you Shane,
>
> See document attached with our requirements. You can email me over your response and we can get this fixed up.
>
> Best,
> --
>
> Rob Narmour
>
> Hydrogeologist, Groundwater Permitting & Wells
>
> Arizona Department of Water Resources
>
> (602) 771-8547
>
> rnarmour@azwater.gov
>
> https://new.azwater.gov/
>
> PROTECTING ARIZONA'S WATER SUPPLIES *for* ITS NEXT CENTURY

--

Rob Narmour

Hydrogeologist, Groundwater Permitting & Wells

Arizona Department of Water Resources

(602) 771-8547

rnarmour@azwater.gov

https://new.azwater.gov/

PROTECTING ARIZONA'S WATER SUPPLIES *for* ITS NEXT CENTURY

INI Letter Registration Number 55-483165.pdf
1614K

Triple L Well Pump Service <triplelwell@gmail.com> Thu, Apr 3, 2025 at 4:57 PM
To: Robert Narmour <rnarmour@azwater.gov>
Cc: Wisam Abujaber <wabujaber@azwater.gov>

Good afternoon,

Attached is the update Section 7.

Shane

On Mar 31, 2025, at 3:40 PM, Robert Narmour <rnarmour@azwater.gov> wrote:

Since I am out the rest of the week, I am copying my co-worker on this email. Please include him in your response.

Thanks,

Rob

On Mon, Mar 31, 2025 at 9:10 AM Robert Narmour <rnarmour@azwater.gov> wrote:

> Good talking with you Shane,
>
> See document attached with our requirements. You can email me over your response and we can get this fixed up.
>
> Best,
> --

Rob Narmour

Hydrogeologist, Groundwater Permitting & Wells

Arizona Department of Water Resources

(602) 771-8547

rnarmour@azwater.gov

https://new.azwater.gov/

PROTECTING ARIZONA'S WATER SUPPLIES for ITS NEXT CENTURY

--

Rob Narmour

Hydrogeologist, Groundwater Permitting & Wells

Arizona Department of Water Resources

(602) 771-8547

rnarmour@azwater.gov

https://new.azwater.gov/

PROTECTING ARIZONA'S WATER SUPPLIES *for* ITS NEXT CENTURY

<INI Letter Registration Number 55-483165.pdf>

Bisbee.pdf
1005K

Wisam Abujaber <wabujaber@azwater.gov> Fri, Apr 4, 2025 at 8:06 AM
To: Triple L Well Pump Service <triplelwell@gmail.com>
Cc: Robert Narmour <rnarmour@azwater.gov>

Good morning, Shane,

We have received it. I am out of the office today, but I will review it on Monday. If everything looks good, I will issue the NOI on Monday.

Thank you, and have a great weekend!

Wisam

[Quoted text hidden]
[Quoted text hidden]

[Quoted text hidden]
[Quoted text hidden]
<INI Letter Registration Number 55-483165.pdf>

Triple L Well Pump Service <triplelwell@gmail.com> Mon, Apr 7, 2025 at 8:54 AM
To: Wisam Abujaber <wabujaber@azwater.gov>
Cc: Robert Narmour <rnarmour@azwater.gov>

Good morning,

Attached is the updated page 2.

Shane

On Apr 4, 2025, at 8:06 AM, Wisam Abujaber <wabujaber@azwater.gov> wrote:

Good morning, Shane,

We have received it. I am out of the office today, but I will review it on Monday. If everything looks good, I will issue the NOI on Monday.

Thank you, and have a great weekend!

Wisam

On Thu, Apr 3, 2025 at 4:57 PM Triple L Well Pump Service <triplelwell@gmail.com> wrote:

Good afternoon,

Attached is the update Section 7.

Shane

On Mar 31, 2025, at 3:40 PM, Robert Narmour <rnarmour@azwater.gov> wrote:

Since I am out the rest of the week, I am copying my co-worker on this email. Please include him in your response.

Thanks,

Rob

On Mon, Mar 31, 2025 at 9:10 AM Robert Narmour <rnarmour@azwater.gov> wrote:

Good talking with you Shane,

See document attached with our requirements. You can email me over your response and we can get this fixed up.

Best,

--

Rob Narmour

Hydrogeologist, Groundwater Permitting & Wells

Arizona Department of Water Resources

(602) 771-8547

rnarmour@azwater.gov

https://new.azwater.gov/

PROTECTING ARIZONA'S WATER SUPPLIES for ITS NEXT CENTURY

--

Rob Narmour

Hydrogeologist, Groundwater Permitting & Wells

Arizona Department of Water Resources

(602) 771-8547

rnarmour@azwater.gov

https://new.azwater.gov/

PROTECTING ARIZONA'S WATER SUPPLIES for ITS NEXT CENTURY

<INI Letter Registration Number 55-483165.pdf>

55-38_NOI_Abandon_REV202308 Bisbee.pdf
1447K

Wisam Abujaber <wabujaber@azwater.gov> Mon, Apr 7, 2025 at 9:17 AM
To: Triple L Well Pump Service <triplelwell@gmail.com>
Cc: Robert Narmour <rnarmour@azwater.gov>

Received, thank you.

[Quoted text hidden]
[Quoted text hidden]
[Quoted text hidden]

For permit payment or any other questions for this application please contact Cody Lohse 520-720-8950. Thank You

Monday, February 5, 2024 8:55 PM

Notice of Intent to Abandon a Well

WELL REGISTRATION NUMBER
55 -

SECTION 5. ORIGINAL WELL CONSTRUCTION DESIGN *(attach additional page if needed)*

Existing Borehole / Existing Casing *(to the best of your knowledge)*

Existing Borehole: DEPTH FROM SURFACE FROM (feet)	Existing Borehole: DEPTH FROM SURFACE TO (feet)	Existing Borehole: BOREHOLE DIAMETER (inches)	Existing Casing: DEPTH FROM SURFACE FROM (feet)	Existing Casing: DEPTH FROM SURFACE TO (feet)	Existing Casing: OUTER DIAMETER (inches)	MATERIAL TYPE: STEEL	MATERIAL TYPE: PVC	MATERIAL TYPE: ABS	MATERIAL TYPE: IF OTHER TYPE, DESCRIBE	PERFORATION TYPE: BLANK OR NONE	PERFORATION TYPE: WIRE WRAP	PERFORATION TYPE: SHUTTER SCREEN	PERFORATION TYPE: MILLS KNIFE	PERFORATION TYPE: SLOTTED	PERFORATION TYPE: IF OTHER TYPE, DESCRIBE	SLOT SIZE IF ANY (inches)	
0	180	10	0	100	8	X				X							Rese
			100	80	8	X								X			Rese
																	Rese

Condition of casing: (good, fair, poor, unknown) POOR

DEPTH FROM SURFACE FROM (feet)	DEPTH FROM SURFACE TO (feet)	ANNULAR MATERIAL TYPE: NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE: GROUT	BENTONITE: CHIPS	BENTONITE: PELLETS	IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	FILTER PACK: SAND	FILTER PACK: GRAVEL	FILTER PACK: SIZE	
0	20		X										Rese
													Rese
													Rese

SECTION 6. PROPOSED WELL ABANDONMENT DESIGN *(attach additional page if needed)*

DATE ABANDONMENT IS TO BEGIN

Refer to ADWR's Well Abandonment Handbook for additional information.

Casing Treatment

DEPTH FROM SURFACE FROM (feet)	DEPTH FROM SURFACE TO (feet)	TREATMENT TYPE: SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)	IF OTHER TYPE, DESCRIBE OR IF CASING IS TO BE PERFORATED, DESCRIBE SPACING AND SIZE OF PERFORATIONS TO BE ADDED
0	20			X		

Sealing or Fill Material

DEPTH FROM SURFACE FROM (feet)	DEPTH FROM SURFACE TO (feet)	MATERIAL TYPE: NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS BENTONITE: GROUT	CHIPS	PELLETS	SAND	MIXING RATIO by (check one) ☐ Weight ☐ Volume	ESTIMATED VOLUME OF MATERIAL (cubic feet)	
0	180	X										105	Rese
													Rese
													Rese

Proposed Abandonment Method *(See Well Abandonment Handbook)*

CHECK ONE

- ☐ Standard Method
- ☐ Alternative 1
- ☒ Alternative 2
- ☐ Alternative 3
- ☐ Alternative 4:
  - ☐ Variance Option *
- ☐ Alternative 5:
  - ☐ Variance Option 1*
  - ☐ Variance Option 2*
- ☐ Other *(please specify):*

* requires a letter requesting a variance

Emplacement Method of Sealing or Fill Material

CHECK ONE

- ☒ Tremie Pumped *(Recommended)*
- ☐ Gravity
- ☐ Pressure Grouting
- ☐ Other *(please specify):*

APPLICATION CONTINUES ON PAGE 3

SECTION 7. Well Abandonment Diagram

Please use the space below to provide a well abandonment diagram showing all existing well construction features listed in Section 5 and the proposed abandonment specifications listed in Section 6.

SECTION 8. LAND OWNER AND WELL OWNER SIGNATURE

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

Land Owner	Well Owner *(complete if Land Owner/Well Owner are NOT the same)*
PRINT NAME AND TITLE	PRINT NAME AND TITLE
SIGNATURE OF LAND OWNER	SIGNATURE OF WELL OWNER
DATE	DATE
☐ By checking this box, you agree to allow ADWR to contact you via electronic mail.	☐ By checking this box, you agree to allow ADWR to contact you via electronic mail.
EMAIL ADDRESS	EMAIL ADDRESS

VALIDATE FORM RESET FORM SAVE FORM PRINT FORM

NOTICE

A.R.S. § 41-1030(B), (D), (E) and (F) provide as follows:

B. An agency shall not base a licensing decision in whole or in part on a licensing requirement or condition that is not specifically authorized by statute, rule or state tribal gaming compact. A general grant of authority in statute does not constitute a basis for imposing a licensing requirement or condition unless a rule is made pursuant to that general grant of authority that specifically authorizes the requirement or condition.

D. This section may be enforced in a private civil action and relief may be awarded against the state. The court may award reasonable attorney fees, damages and all fees associated with the license application to a party that prevails in an action against the state for a violation of this section.

E. A state employee may not intentionally or knowingly violate this section. A violation of this section is cause for disciplinary action or dismissal pursuant to the agency's adopted personnel policy.

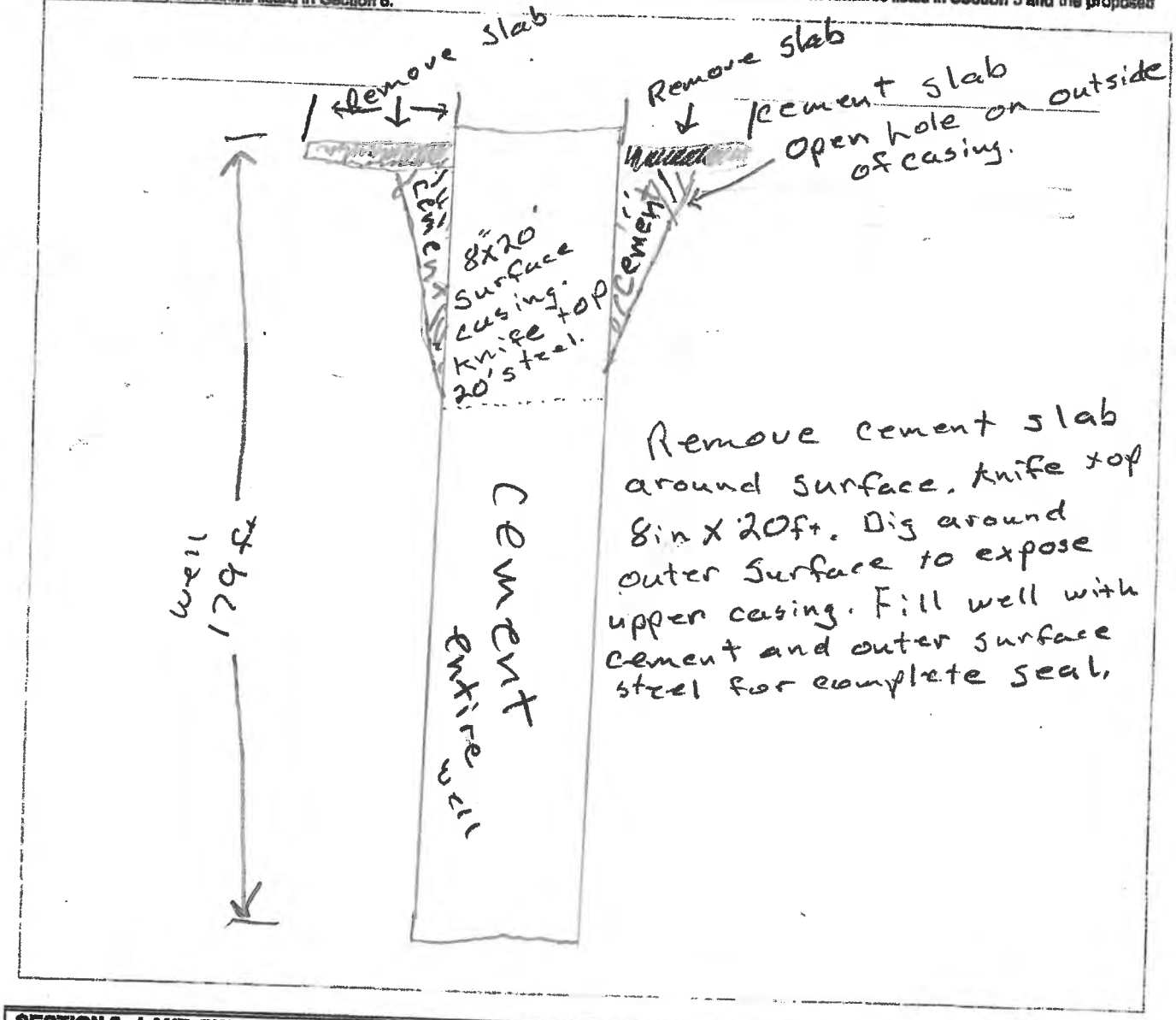
F. This section does not abrogate the immunity provided by section 12-820.01 or 12-820.02.

Notice of Intent to Abandon a Well

WELL REGISTRATION NUMBER
55 -

SECTION 7. Well Abandonment Diagram

Please use the space below to provide a well abandonment diagram showing all existing well construction features listed in Section 5 and the proposed abandonment specifications listed in Section 6.



SECTION 8. LAND OWNER AND WELL OWNER SIGNATURE

I state that this notice is filed in compliance with A.R.S. § 45-598 and is complete and correct to the best of my knowledge and belief.

Land Owner	Well Owner *(complete if Land Owner/Well Owner are NOT the same)*
PRINT NAME AND TITLE: MICHAEL NORMAND, CONSTRUCTION PROJECT MGR	PRINT NAME AND TITLE:
SIGNATURE OF LAND OWNER: M.E. Normand	SIGNATURE OF WELL OWNER:
DATE: 2/14/2025	DATE:
X: By checking this box, you agree to allow ADWR to contact you via electronic mail.	By checking this box, you agree to allow ADWR to contact you via electronic mail.
EMAIL ADDRESS: MNORMAND@BISBEEAZ.GOV	EMAIL ADDRESS:

ArcGIS Web Map



3/17/2025, 9:59:45 AM

1:1,128

0 0.01 0.01 0.03 mi

0 0.01 0.03 0.05 km

Address

County Maintained Road

Road

Maxar, Microsoft

Printed: 3/26/2025 8:44:24 AM

Arizona Department of Water Resources

1110 West Washington Street, Suite 310
Phoenix AZ 85007

Customer:
CODY LOHSE
2566 N. CALLE PRIMERO
85616

Receipt #: 25-113427
Office: MAIN OFFICE
Receipt Date: 03/26/2025
Sale Type: IN_PERSON
Cashier: Susan Montoya

Item No.	Function Code	AOBJ	Description	Ref ID	Qty	Unit Price	Ext Price
67487	122221	4439-TT	Notice of intention to abandon a well	483165	1	150.00	150.00
					RECEIPT TOTAL:		**150.00**

Payment type: CREDIT CARD
Amount Paid: $150.00
Payment Received Date: 03/26/2025

Authorization S27425

Notes: FROM TTA.

WCA AZ WATER RESOURCES
1110 W WASHINGTON ST.
PHOENIX, AZ 850070000
03/26/2025 08:24:25
MID: XXXXXXXXXXX857 TID: XXXXX288
CREDIT CARD
VISA SALE
Card # Token XXXXXXXXXXXX6373
SEQ #: 3
Batch #: 49
INVOICE 3
Approval Code: S27425
Entry Method: Manual
Mode: Online
Tax Amount: $0.00
Cust Code:
Card Code: X
SALE AMOUNT $150.00
I agree to pay above total amount
according to card issuer agreement.
(Merchant agreement if Credit Voucher)
X Phone Payment
MERCHANT COPY

No refund without valid receipt

Arizona Department of Water Resources
Groundwater Permitting and Wells Section
1802 W Jackson St. Box 79, Phoenix, AZ 85007
(602) 771-8527 • www.azwater.gov

MAR 26 2025
ARIZONA DEPARTMENT OF WATER RESOURCES

Notice of Intention to Abandon a Well

FEE $150.00

- Review instructions and the Well Abandonment Handbook prior to completing form with black or blue ink.
- You must include with your Notice:
  - Well construction diagram showing all existing well construction features listed in Section 5 and the proposed abandonment specifications listed in Section 6.
- Authority for fee: A.R.S. § 45-113 and A.A.C. R12-15-104

TO BE COMPLETED BY ADWR			FILE NUMBER
AMA/INA	BASIN	SUBBASIN	
RECEIVED DATE	WATERSHED		WELL REGISTRATION NUMBER
ISSUED DATE	REMEDIAL ACTION SITE		55- 483165

SECTION 1. REGISTRY INFORMATION

To determine the location of well, please refer to the Well Registry Map (https://gisweb.azwater.gov/WellRegistry/Default.aspx) and Google Earth (http://www.earthpoint.us/Townships.aspx)

Well Type

CHECK ONE

- ☒ Domestic
- ☐ Stock
- ☐ Irrigation
- ☐ Municipal
- ☐ Monitor / Piezometer
- ☐ Geotechnical
- ☐ Mineral Exploration
- ☐ Other (*please specify*):

ORIGINAL WELL OWNER (IF KNOWN)

ORIGINAL WELL DRILLING FIRM (IF KNOWN) | DRILL DATE (IF KNOWN)

Location of Well

WELL LOCATION ADDRESS (IF ANY) OR CROSS STREETS
2133 W. Hewell St. naco AZ 85620

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
24.0 S	24.0 E	18	SW ¼	SW ¼	NW ¼

COUNTY ASSESSOR'S PARCEL ID NUMBER BOOK	MAP	PARCEL	COUNTY WHERE WELL IS LOCATED
102	57	194C	COCHISE

LATITUDE			LONGITUDE		
°	'	"N	°	'	" W
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds

METHOD OF LATITUDE/LONGITUDE *(check one)*
☐ Google Earth ☐ Conventional Survey ☐ *GPS: Hand-Held ☐ *GPS: Survey-Grade

*IF GPS WAS USED, GEOGRAPHIC COORDINATE DATUM *(check one)*
☐ NAD-83 ☐ Other *(please specify)*:

SECTION 2. OWNER INFORMATION

Land Owner

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL
~~Michael Normand~~ City of Bisbee
MAILING ADDRESS
76 Eric St
CITY / STATE / ZIP CODE
Bisbee AZ 85603
CONTACT PERSON NAME AND TITLE
Michael Normand
TELEPHONE NUMBER | EMAIL
(520) 590-0684

Well Owner *(check this box if Land Owner and Well Owner are same)* ☑

FULL NAME OF COMPANY, GOVERNMENT AGENCY, OR INDIVIDUAL
~~Michael Normand~~ City of Bisbee
MAILING ADDRESS
76 Eric St
CITY / STATE / ZIP CODE
Bisbee AZ 85603
CONTACT PERSON NAME AND TITLE
Michael Normand
TELEPHONE NUMBER | EMAIL
(520) 590-0684

SECTION 3. ABANDONMENT AUTHORIZATION

Drilling Firm

NAME
Triple L Well and Pump
DWR LICENSE NUMBER | ROC LICENSE CATEGORY
919 | CR-53
TELEPHONE NUMBER | EMAIL ADDRESS
(520) 456-9377 | triplelwell@gmail.com

Consultant *(if applicable)*

CONSULTING FIRM
CONTACT PERSON NAME
TELEPHONE NUMBER | EMAIL ADDRESS

SECTION 4.

Questions	Yes	No	If Yes:
1. To your knowledge, is there any information that exists which indicates that the water in this well has been, may be, or is contaminated?	☐	☒	EXPLAIN *(attach additional page if necessary)*
2. Is there another well name or identification number associated with this well? *(e.g., Lot 3 Well, MW-1, etc.)*	☐	☒	*(please state)*
3. Was the well casing video logged?	☐	☒	INCLUDE VIDEO LOG WITH NOTICE OF INTENT
4. Why is the well being abandoned?	DRY WELL		

RTN

Notice of Intent to Abandon a Well

WELL REGISTRATION NUMBER
55 -

SECTION 5. ORIGINAL WELL CONSTRUCTION DESIGN *(attach additional page if needed)*

Existing Borehole / Existing Casing *(to the best of your knowledge)*

Existing Borehole			Existing Casing												
DEPTH FROM SURFACE		BOREHOLE DIAMETER *(inches)*	DEPTH FROM SURFACE		OUTER DIAMETER *(inches)*	MATERIAL TYPE				PERFORATION TYPE						SLOT SIZE IF ANY *(inches)*
FROM *(feet)*	TO *(feet)*		FROM *(feet)*	TO *(feet)*		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE	
0	180	10	0	100	8	☒	☐	☐		☒	☐	☐	☐	☐		
			100	80	8	☒	☐	☐		☐	☐	☐	☐	☒		
						☐	☐	☐		☐	☐	☐	☐	☐		

Condition of casing: (good, fair, poor, unknown) POOR

DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE								FILTER PACK		
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE GROUT	BENTONITE CHIPS	BENTONITE PELLETS	IF OTHER TYPE OF ANNULAR MATERIAL, DESCRIBE	SAND	GRAVEL	SIZE
0	20	☐	☒	☐	☐	☐	☐	☐		☐	☐	
		☐	☐	☐	☐	☐	☐	☐		☐	☐	
		☐	☐	☐	☐	☐	☐	☐		☐	☐	

SECTION 6. PROPOSED WELL ABANDONMENT DESIGN *(attach additional page if needed)*

DATE ABANDONMENT IS TO BEGIN

Refer to ADWR's Well Abandonment Handbook for additional information.

Casing Treatment

DEPTH FROM SURFACE		TREATMENT TYPE				
FROM *(feet)*	TO *(feet)*	SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)	IF OTHER TYPE, DESCRIBE OR IF CASING IS TO BE PERFORATED, DESCRIBE SPACING AND SIZE OF PERFORATIONS TO BE ADDED
		☐	☐	☐	☐	
		☐	☐	☐	☐	
		☐	☐	☐	☐	

Sealing or Fill Material

DEPTH FROM SURFACE		MATERIAL TYPE										MIXING RATIO by *(check one)* ☐ Weight ☒ Volume	ESTIMATED VOLUME OF MATERIAL *(cubic feet)*
FROM *(feet)*	TO *(feet)*	NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS BENTONITE GROUT	HIGH SOLIDS BENTONITE CHIPS	HIGH SOLIDS BENTONITE PELLETS	SAND			
0	20	☐	☒	☐	☐	☐	☐	☐	☐	☐			
20	120	☐	☐	☐	☒	☐	☐	☐	☐	☐			105
120	180	☐	☐	☐	☐	☐	☐	☐	☐	☒			

Proposed Abandonment Method *(See Well Abandonment Handbook)*

CHECK ONE

- ☐ Standard Method
- ☒ Alternative 1
- ☐ Alternative 2
- ☐ Alternative 3
- ☐ Alternative 4:
  - ☐ Variance Option *
- ☐ Alternative 5:
  - ☐ Variance Option 1*
  - ☐ Variance Option 2*
- ☐ Other *(please specify):*

* requires a letter requesting a variance

Emplacement Method of Sealing or Fill Material

CHECK ONE

- ☐ Tremie Pumped *(Recommended)*
- ☒ Gravity
- ☐ Pressure Grouting
- ☐ Other *(please specify):*

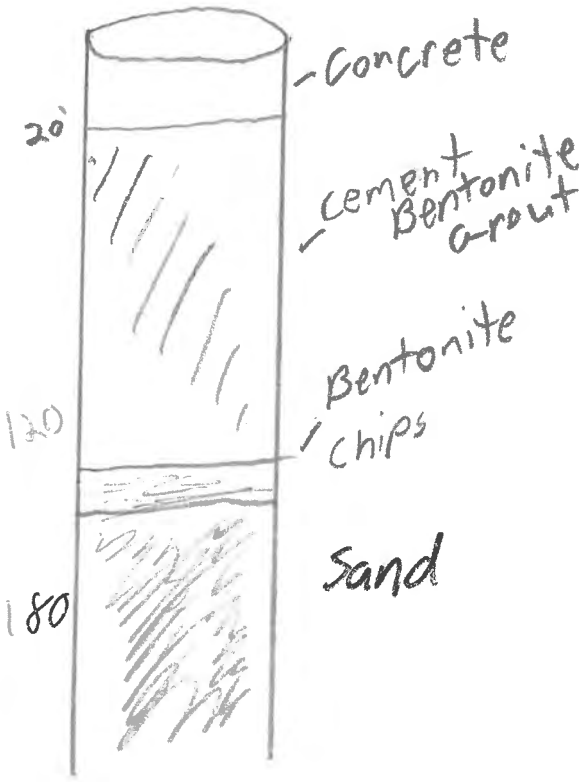
APPLICATION CONTINUES ON PAGE 3

Notice of Intent to Abandon a Well

WELL REGISTRATION NUMBER
55 -

SECTION 7. Well Abandonment Diagram

Please use the space below to provide a well abandonment diagram showing all existing well construction features listed in Section 5 and the proposed abandonment specifications listed in Section 6.



SECTION 8. LAND OWNER AND WELL OWNER SIGNATURE

I state that this notice is filed in compliance with A.R.S. § 45-596 and is complete and correct to the best of my knowledge and belief.

Land Owner	Well Owner *(complete if Land Owner/Well Owner are NOT the same)*
PRINT NAME AND TITLE MICHAEL NORMAND, CONSTRUCTION PROJECT MGR.	PRINT NAME AND TITLE
SIGNATURE OF LAND OWNER M.E. Normand	SIGNATURE OF WELL OWNER same
DATE 2/14/2025	DATE
X By checking this box, you agree to allow ADWR to contact you via electronic mail.	☐ By checking this box, you agree to allow ADWR to contact you via electronic mail.
EMAIL ADDRESS MNORMAND@BISBEEAZ.GOV	EMAIL ADDRESS

ArcGIS Web Map



3/17/2025, 9:59:45 AM

1:1,128

0 0.01 0.01 0.03 mi

0 0.01 0.03 0.05 km

Address

County Maintained Road

Road

Maxar, Microsoft

For permit payment or any other questions for this application please contact Cody Lohse 520-720-8950. Thank You

Monday, February 5, 2024 8:55 PM

Printed: 3/26/2025 8:44:24 AM

Arizona Department of Water Resources

1110 West Washington Street, Suite 310
Phoenix AZ 85007

Customer:
CODY LOHSE
2566 N. CALLE PRIMERO
85616

Receipt #: 25-113427
Office: MAIN OFFICE
Receipt Date: 03/26/2025
Sale Type: IN_PERSON
Cashier: Susan Montoya

Item No.	Function Code	AOBJ	Description	Ref ID	Qty	Unit Price	Ext Price
67487	122221	4439-TT	Notice of intention to abandon a well	483165	1	150.00	150.00
					RECEIPT TOTAL:		**150.00**

Payment type: CREDIT CARD
Amount Paid: $150.00
Payment Received Date: 03/26/2025

Authorization S27425

Notes: FROM TTA.

WCA AZ WATER RESOURCES
1110 W WASHINGTON ST.
PHOENIX, AZ 850070000
03/26/2025 08:24:25
MID: XXXXXXXXXXX857 TID: XXXXX288
CREDIT CARD
VISA SALE
Card # Token XXXXXXXXXXXX6373
SEQ #: 3
Batch #: 49
INVOICE 3
Approval Code: S27425
Entry Method: Manual
Mode: Online
Tax Amount: $0.00
Cust Code:
Card Code: X
SALE AMOUNT $150.00
I agree to pay above total amount according to card issuer agreement.
(Merchant agreement if Credit Voucher)
X Phone Payment
MERCHANT COPY

No refund without valid receipt

ARIZONA DEPARTMENT of WATER RESOURCES
1110 W. Washington St. Suite 310
Engineering and Permits Division
Phoenix, AZ 85007
602-771-8500

NOTICE TO WELL DRILLERS

This is a reminder that a valid drill card must be present for the drilling of each and every well constructed on a site. During the construction of a well, if an unexpected problem occurs; the hole collapses, the hole is dry, or a drill bit is lost and can't be recovered, or any number of other situations where the driller feels they need to move over and start another well. Please be aware drillers do not have the authority to start another well without first obtaining drilling authority for the new well. Please note the following statutes and regulations pertaining to well drilling and construction:

ARIZONA REVISED STATUTE (A.R.S.)

A.R.S. § 45-592.A.

A person may construct, replace or deepen a well in this state only pursuant to this article and section 45-834.01. The drilling of a well may not begin until all requirements of this article and section 45-834.01, as applicable, are met.

***

A.R.S. § 594.A.

The director shall adopt rules establishing construction standards for new wells and replacement wells, the deepening and abandonment of existing wells and the capping of open wells.

***

A.R.S. § 600.A

A well driller shall maintain a complete and accurate log of each well drilled.

ARIZONA ADMINISTRATIVE CODE (A.A.C.)

A.A.C. R12-15-803.A.
A person shall not drill or abandon a well, or cause a well to be drilled or abandoned, in a manner which is not in compliance with A.R.S. Title 45, Chapter 2, Article 10, and the rules adopted thereunder.

***

A.A.C. R12-15-810.A.
A well drilling contractor or single well licensee may commence drilling a well only if the well drilling contractor or licensee has possession of a drilling card at the well site issued by the Director in the name of the well drilling contractor or licensee, authorizing the drilling of the specific well in the specific location.

***

A.A.C. R12-15-816.F.
In the course of drilling a new well, the well may be abandoned without first filing a notice of intent to abandon and without an abandonment card.

*** THIS REQUIREMENT DOES NOT PERTAIN TO THE DRILLING OF MINERAL EXPLORATION, GEOTECHNICAL OR HEAT PUMP BOREHOLES**

Arizona Department of Water Resources
Groundwater Permitting and Wells
1802 W Jackson St. Box #79
Phoenix, Arizona 85007
(602) 771-8527 • www.azwater.gov

Well Owner's Notification of Abandonment

NO FEE

- Review instructions prior to completing form in black or blue ink.
- The owner or operator of any well shall notify the Department, in writing, no later than 30 days after the abandonment has been completed.

FILE NUMBER **D(24-24) 18 CCB**
WELL REGISTRATION NUMBER **55 - 483165**

PLEASE PRINT CLEARLY USING BLACK OR BLUE INK

SECTION 1. DRILLING FIRM

NAME: TRIPLE L WELL AND PUMP SERVICE

DWR LICENSE NUMBER: 919

TELEPHONE NUMBER: 520-456-9377

FAX:

DATE ABANDONMENT COMPLETED:

SECTION 2. LOCATION OF WELL

WELL LOCATION ADDRESS (IFANY):

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE 1/4	40 ACRE 1/4	10 ACRE 1/4

ASSESSOR'S PARCEL ID NUMBER (MOST RECENT)

BOOK	MAP	PARCEL
102	57	194C

COUNTY WHERE WELL IS LOCATED:

SECTION 3. OWNER INFORMATION

Well Owner	Land Owner
FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL: CITY OF BISBEE	FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL:
MAILING ADDRESS: 76 ERIC ST	MAILING ADDRESS:
CITY / STATE / ZIP: BISBEE, AZ. 85603	CITY / STATE / ZIP:
CONTACT PERSON NAME AND TITLE:	CONTACT PERSON NAME AND TITLE:
TELEPHONE NUMBER: 520 432-6014	TELEPHONE NUMBER:
FAX:	FAX:

I state that this notice is filed in compliance with A.R.S. § 45-594 and A.A.C. R12-15-816 and is complete and correct to the best of my knowledge and belief.

SIGNATURE OF QUALIFYING PARTY:

DATE:

Form 55-36 Instructions

Well Owner's Notification of Abandonment

Introduction

These instructions are a guide to filling out Form DWR 55-36 (Rev. 06/15/2010), entitled "Well Owner's Notification of Abandonment." Please review the instructions prior to completing the form in black or blue ink. Forms may be obtained at the Arizona Department of Water Resources (ADWR) office and at ADWR's web site, http://www.azwater.gov. For information about the form or these instructions, contact Groundwater Permitting & Wells Unit at (602) 771-8527.

When Form DWR 55-36 Must be Filed

A Well Owner's Notification of Abandonment must be filed within 30 days after a well is abandoned. The owner or operator that abandoned the well must file the report.

Instructions for Filling out the Form

Well Registration Number

Fill in the registration number of the well in the space in the upper right-hand corner of the form. This is the number ADWR assigned to the well when the well was registered or when an application to drill the well was filed.

Section 1 - Drilling Firm

Fill in the name, DWR license number and telephone and fax numbers of the drilling firm that abandoned the well.

Section 2 - Location of Well

Fill in the following information relating to the location of the well:

- The street address of the property where the well is located, if there is a street address.
- The legal description of the abandoned well location. The legal description is the township, range, section, and in decreasing order, the quarters of that section so that the well location falls in a 10-acre block somewhere in that section. This information may be obtained from the county tax assessor's office.
- The name of the county where the well is located.

Section 3 - Owner Information

Well Owner

Fill in the well owner's name, mailing address and telephone and fax numbers. If the well owner is a corporation, governmental unit or other entity, provide the name of a contact person.

Signature Block

The form must be signed and dated by the well owner.

Where to File Form

Completed forms may be mailed to ADWR at the following address:

Arizona Department of Water Resources
Groundwater Permitting and Wells
1802 W Jackson St. Box #79
Phoenix, AZ 85007

The completed form must be legible and of good quality when received by ADWR so that it can be scanned into ADWR's permanent records.

Arizona Department of Water Resources
Groundwater Permitting and Wells
1802 W Jackson • Phoenix, Arizona 85007
(602) 771-8527 • 1-800-352-8488

Well Abandonment Completion Report

- Review instructions prior to completing form
- The drilling firm or single well licensee must file this report withing 30 days of completion of abandonment. (A.R.S. § 45-594, A.A.C. R12-15-816)

** PLEASE PRINT CLEARLY **

FILE NUMBER
D(24-24) 18 CCB
WELL REGISTRATION NUMBER
55 - 483165

SECTION 1. ABANDONMENT AUTHORIZATION

Drilling Firm

Mail To:

NAME	DWR LICENSE NUMBER
TRIPLE L WELL AND PUMP SERVICE	919
ADDRESS 2566 N CALLE PRIMERO	TELEPHONE NUMBER 520-456-9377
CITY / STATE / ZIP HUACHUCA CITY, AZ 85616-8214	FAX

SECTION 2. REGISTRY INFORMATION

Well Owner Information

FULL NAME OF COMPANY, ORGANIZATION, OR INDIVIDUAL	CONTACT PERSON NAME AND TITLE
CITY OF BISBEE	
MAILING ADDRESS 76 ERIC ST	TELEPHONE NUMBER
CITY / STATE / ZIP BISBEE, AZ 85603	FAX

Location of Well

WELL LOCATION ADDRESS (IF ANY)

LATITUDE ° ' " N (Degrees | Minutes | Seconds)

LONGITUDE ° ' " W (Degrees | Minutes | Seconds)

TOWNSHIP (N/S)	RANGE (E/W)	SECTION	160 ACRE	40 ACRE	10 ACRE
			1/4	1/4	1/4

LAND SURFACE ELEVATION AT WELL
Feet Above Sea Level

METHOD OF LATITIDE / LONGITUDE (Check One) ☐ *GPS: Hand-Held
☐ USGS Quad Map ☐ Conventional Survey ☐ *GPS: Survey-Grade

COUNTY ASSESSOR'S PARCEL ID NUMBER

BOOK	MAP	PARCEL
102	57	194C

*If GPS WAS USED, GEOGRAPHIC COORDINATE DATUM (Check One)
☐ NAD-83 ☐ Other *(please specify):*

SECTION 3.

Questions	Yes	No	Explanation:
1. To your knowledge, is there any information that exists which indicates that the water in this well has been, may be or is contaminated?			IF YES, EXPLAIN (Attach additional page if nesessary)
2. Is there another well name or identification number associated with this well? (e.g., MW-1, PZ-4, Lot 29 Well, Smith Well, etc.)			IF YES, PLEASE STATE
3. Prior to abandonment, did the well have 20' of surface casing and 20' of grout in the annular space surrounding the casing?			If no, was the top 20' of casing removed prior to setting the cement plug? ☐ Yes ☐ No
4. Was the well backfilled above the cement plug?			
5. Was the well casing video logged?			
6. Why was the well abandoned?			

Well Abandonment Completion Report

WELL REGISTRATION NUMBER
55 - 483165

SECTION 4. ORIGINAL WELL CONSTRUCTION DESIGN (attach additional page if needed)

Existing Borehole

DEPTH FROM SURFACE		BOREHOLE DIAMETER (inches)
FROM (feet)	TO (feet)	

Existing Casing (to the best of your knowledge)

DEPTH FROM SURFACE		OUTER DIAMETER (inches)	MATERIAL TYPE (T)				PERFORATION TYPE (T)						SLOT SIZE IF ANY (inches)
FROM (feet)	TO (feet)		STEEL	PVC	ABS	IF OTHER TYPE, DESCRIBE	BLANK OR NONE	WIRE WRAP	SHUTTER SCREEN	MILLS KNIFE	SLOTTED	IF OTHER TYPE, DESCRIBE	

Condition of casing: ☐ Good ☐ Fair ☐ Poor

Existing Annular Material (to the best of your knowledge)

DEPTH FROM SURFACE		ANNULAR MATERIAL TYPE (T)								FILTER PACK		
FROM (feet)	TO (feet)	NONE	CONCRETE	NEAT CEMENT OR CEMENT GROUT	CEMENT-BENTONITE GROUT	BENTONITE GROUT	BENTONITE CHIPS	BENTONITE PELLETS	IF OTHER TYPE OF ANNULAR MATERIAL DESCRIBE	SAND	GRAVEL	SIZE

SECTION 5. ACTUAL WELL ABANDONMENT DESIGN (attach additional page if needed)

Refer to ADWR's Well Abandonment Handbook for additional information

DEPTH TO WATER Feet Below Land Surface

DATE ABANDOMENT COMPLETED

Casing Treatment

DEPTH FROM SURFACE		TREATMENT TYPE (T)				
FROM (feet)	TO (feet)	SONAR JET	BRUSH OR SCRAPE	MILLS KNIFE	CASING REMOVAL (explain in Remarks)	IF OTHER TYPE, DESCRIBE OR IF CASING WAS PERFORATED, DESCRIBE SPACING AND PERFORATIONS THAT WERE ADDED

Sealing or Fill Material

DEPTH FROM SURFACE		MATERIAL TYPE (T)									MIXING RATIO by (check one) ☐ Weight ☐ Volume	VOLUME OF MATERIAL USED (cubic feet)
FROM (feet)	TO (feet)	NEAT CEMENT	CONCRETE	SAND-CEMENT GROUT	CEMENT-BENTONITE GROUT	SAND-BENTONITE GROUT	HIGH SOLIDS GROUT	HIGH SOLIDS CHIPS	HIGH SOLIDS PELLETS	SAND		

Actual Abandonment Method (See Well Abandonment Handbook)

CHECK ONE

- ☐ Standard Method
- ☐ Alternative 1
- ☐ Alternative 2
- ☐ Alternative 3
- ☐ Alternative 4
  - ☐ *Variance Option*
- ☐ Alternative 5
  - ☐ *Variance Option 1*
  - ☐ *Variance Option 2*
- ☐ Other *(please specify)*

Emplacement Method of Sealing or Fill Material

CHECK ONE

- ☐ Gravity
- ☐ Pressure Grouting
- ☐ Tremie Pumped
- ☐ Other *(please specify)*

REMARKS

I state that this is filed in compliance with A.R.S. § 45-594 and A.A.C. R12-15-816 and is complete and correct to the best of my knowledge and

TYPE OR PRINT NAME AND TITLE	SIGNATURE OF QUALIFYING PARTY	DATE

Form 55-58 Instructions

Well Abandonment Completion Report

Introduction

These instructions are a guide to filling out Form DWR 55-58 (Rev. 06/15/2010), entitled "Well Abandonment Completion Report." Please review the instructions prior to completing the form in black or blue ink. Forms may be obtained at any Arizona Department of Water Resources (ADWR) office and at ADWR's web site, http://www.azwater.gov. For information about the form or these instructions, contact the Supervisor of the Notice of Intent Program at (602) 771-8500. There is no fee for filing this form.

When Form DWR 55-58 Must be Filed

A Well Abandonment Completion Report must be filed within 30 days after a well is abandoned. The report must be filed by the drilling contractor or single well licensee that abandoned the well. A report must be filed for the abandonment of any type of well, including groundwater production wells, monitor wells, exploration wells, geotechnical wells and cathodic protection wells.

Instructions for Filling out the Form

Well Registration Number

Fill in the registration number of the well in the space in the upper right-hand corner of both pages of the form. This is the number ADWR assigned to the well when the well was registered or when an application to drill the well was filed.

Section 1 - Abandonment Authorization

Fill in the name, DWR license number and telephone and fax numbers of the drilling firm that abandoned the well.

Section 2 - Registry Information

Well Owner Information

Fill in the name, mailing address and telephone and fax numbers of the owner of the abandoned well. If the well owner is a corporation, governmental unit or other entity, provide the name of a contact person.

Location of Well

Fill in the following information relating to the location of the well:

- The street address of the property where the well was located. For monitor wells or other wells associated with contaminant investigations or remedial projects, this will usually be the same as the facility address.
- The legal description of the abandoned well location. The legal description is the township, range, section, and in decreasing order, the quarters of that section so that the well location falls in a 10-acre block somewhere in that section. This information may be obtained from the county tax assessor's office.
- The county tax assessor's parcel identification number for the land where the well was located. This information can normally be taken from the original Notice of Intent to drill the well, and may also be obtained from the county tax assessor's office. Federal or State land will not have a parcel identification number.
- The latitude and longitude (in degrees-minutes-seconds format) and land surface elevation at the abandoned well location, and the method used to determine these data. Use of a Global Positioning System (GPS) receiver or a conventional survey is the preferred method, although the data may also be obtained through estimation from a USGS quadrangle map. If a GPS unit is used, the unit should be adjusted to use the NAD-83 datum. Please indicate if the geographic coordinate datum used was NAD-83, and if not, which datum was used.

Section 3 - Questions

Check the appropriate boxes and fill in information indicating the following:

1. Whether any information exists indicating that water in the well has historically been contaminated, is currently contaminated, or may be contaminated. If yes, provide an explanation.
2. Whether there is any other name or identification number for the well.
3. Whether the well had a surface casing of at least 20 feet and grout in the annular space surrounding the casing for at least 20 feet prior to abandonment. If not, indicate whether the top 20 feet of casing was removed prior to setting the cement plug.
4. Whether the well was backfilled above the cement

plug.

5. Whether the well casing was video logged.
6. The reason the well was abandoned.

Section 4 - Original Well Construction Design

Section 4 contains three tables for filling in information on the original well construction design. ADWR recognizes that this information will not always be available, particularly for older irrigation, stockwater or domestic wells. It should be available for monitor and remediation wells, or more modern wells with good records. Fill in as much information as possible.

In the **Existing Borehole** table, fill in the diameter of the existing borehole in inches, and indicate the depth interval for each change in diameter. In the **Existing Casing** table, fill in the outer diameter of the casing in inches, check the appropriate boxes indicating the type of casing material and the type of perforations and fill in the slot size of any perforations. Fill in the depth interval for each change in information. Please note that not every interval will be perforated. Check the "Blank or None" box for non-perforated depth intervals. If the type of casing material or perforations is not listed, describe the type in the appropriate box. Finally, check the appropriate box indicating whether the existing casing is in good, fair or poor condition.

In the **Existing Annular Material** table, check the appropriate boxes indicating the type of annular material or filter pack installed at each depth interval. Fill in the size of the filter pack used. Provide the depth interval for each change in information. If the type of annular material is not listed, describe the material in the appropriate box.

Section 5 - Actual Well Abandonment Design

Section 5 requires information on the actual well abandonment design. In the boxes in the upper right-hand corner, fill in the depth to water and the date when abandonment was completed. The two tables below that box require information on the casing treatment and the sealing or fill material.

In the **Casing Treatment** table, check the appropriate box indicating the type of casing treatment that was used. If the casing was removed, check the "casing removal" box and provide a description of the removal technique in "Remarks." If the type of casing treatment that was used is not listed, explain the treatment in the appropriate box. If the casing was perforated during treatment, describe the size and frequency of perforations for each interval. The casing treatment must be indicated by depth interval, and the depth interval must be filled in.

In the **Sealing or Fill Materials** table, check the appropriate box indicating the sealing or fill material that was used. Note any changes by depth interval. Also, fill in the mixing ratio of the material and check the appropriate box indicating whether the ratio is by weight or volume. Finally, fill in the volume of material used for each depth interval.

Below the two tables, fill in information on the actual abandonment method and the emplacement method of sealing or fill material. The Department's Well Abandonment Handbook must be consulted before filling in the actual abandonment method. The standard method and the five alternative methods are described in the handbook. Check only one abandonment method. If "Other" is checked, provide a description of the method in "Remarks."

Signature Block

The form must be signed and dated by the drilling firm's qualified party. The name and title of the person signing the form must be typed or printed in the space above the signature.

Where to File Form

Completed forms may be mailed to ADWR at the following address:

Arizona Department of Water Resources
Groundwater Permitting and Wells
1802 W Jackson St. Box #79
Phoenix, AZ 85007

Completed forms may also be submitted to ADWR's main office in at 1110 W. Washington St. Suite 310., Phoenix , AZ 85007

The completed form must be legible and of good quality when received by ADWR so that it can be scanned into ADWR's permanent records.