FREEPORT-McMoRan

Sierrita Operations
Environment, Land & Water Department
6200 W Duval Mine Road
PO Box 527
Green Valley, AZ 85622-0527

November 21, 2018

Via Certified Mail # 7015 1520 0002 5365 8604
Return Receipt Requested

Mr. David Lelsz
Arizona Department of Environmental Quality
Water Quality Compliance Section
1110 West Washington Street
Phoenix, Arizona 85007-2935

Re:

Mitigation Order on Consent Docket No. P-50-06 Semi-annual
Groundwater Monitoring Report Fourth Quarter 2017 and First Quarter 2018

Dear Mr. Lelsz:

In accordance with Section 5.1.2 of the Mitigation Plan[1], Freeport-McMoRan Sierrita Inc. (Sierrita) submits the enclosed *Semi-annual Groundwater Monitoring Report for Samples Collected during the Second Quarter and Third Quarter 2018*, prepared by Clear Creek Associates for Sierrita.

This document provides results of groundwater monitoring conducted during the above mentioned time frame, which Sierrita agreed to submit semiannually in accordance with the letter from ADEQ dated April 17, 2009[2].

Please do not hesitate to contact me at (520) 393-2014 if you have any questions regarding this submittal.

Sincerely,

William Hart

William S Hart
Sr. Environmental Specialist
Freeport-McMoRan Sierrita Inc.

WH/dmc
Attachment(s)

20181121_001

[1] Clear Creek Associates. 2013. Mitigation Plan for Sulfate with Respect to Drinking Water Supplies in the Vicinity of the Freeport-McMoRan Sierrita Inc. Tailing Impoundment, Mitigation Order on Consent Docket No. P-50-06. December 18, 2013.
[2] Correspondence from Ned Hall, Sierrita, to Cynthia S. Campbell, ADEQ Water Quality Compliance Section, Re: Mitigation Order on Consent Docket No. P-50-06 – Response to ADEQ Comments on Recommended Groundwater Monitoring for Sulfate – May 15, 2009.

SEMIANNUAL GROUNDWATER MONITORING REPORT FOR SAMPLES COLLECTED DURING SECOND AND THIRD QUARTERS 2018

MITIGATION ORDER ON CONSENT DOCKET NO. P-50-06 PIMA COUNTY, ARIZONA



Prepared for:

FREEPORT-MCMORAN SIERRITA INC.
6200 West Duval Mine Road
Green Valley, Arizona 85614

Prepared by:

CLEAR CREEK ASSOCIATES, L.L.C.
221 North Court Avenue, Suite 101
Tucson, Arizona 85701
(520) 622-3222

October 23, 2018

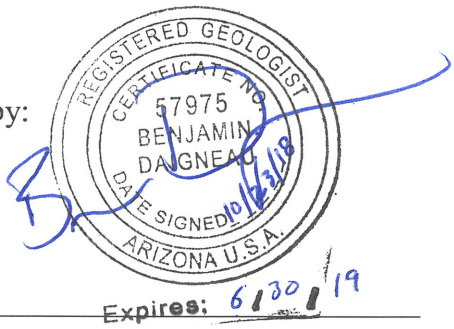
SEMIANNUAL GROUNDWATER MONITORING REPORT
FOR SAMPLES COLLECTED DURING THE SECOND AND THIRD QUARTERS 2018

MITIGATION ORDER ON CONSENT DOCKET NO. P-50-06
PIMA COUNTY, ARIZONA

Prepared for:

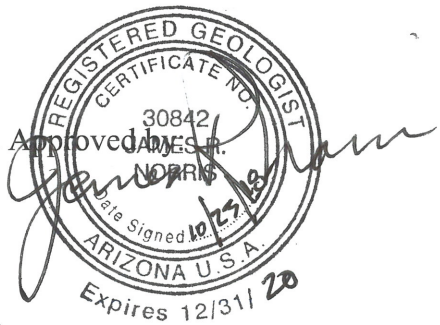
FREEPORT-MCMORAN SIERRITA INC.
6200 West Duval Mine Road
Green Valley, Arizona 85614

Prepared by:



Ben Daigneau
Arizona Registered Geologist No. 57975

Reviewed and Approved by:



James R. Norris
Arizona Registered Geologist No. 30842

October 23, 2018

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1. INTRODUCTION

This report provides the results of groundwater monitoring conducted in the second and third quarters 2018 in the vicinity of the Freeport-McMoRan Sierrita Inc. (Sierrita) Tailing Impoundment (STI). Groundwater monitoring is conducted by Sierrita to characterize groundwater sulfate concentrations and groundwater elevations in the vicinity of the STI pursuant to the Mitigation Order on Consent Docket No. P-50-06 between Arizona Department of Environmental Quality (ADEQ) and Sierrita. This semiannual groundwater monitoring report was prepared by Clear Creek Associates on behalf of Sierrita.

1.1 Scope of Groundwater Monitoring

Sierrita is conducting a mitigation action consisting of operation of a groundwater pumping and water reuse system to control the migration of a groundwater plume of sulfate and prevent sulfate concentrations in drinking water supplies in the vicinity of the plume from exceeding 250 milligrams per liter (mg/L) at the point of use, due to the STI. The mitigation action is described in the Mitigation Plan (Clear Creek Associates, 2013) approved by ADEQ (ADEQ, 2015). Groundwater pumping under the Mitigation Plan commenced in January 2014.

Groundwater monitoring for the mitigation action is conducted to track the plume location and monitor for sulfate in drinking water supplies. The Mitigation Plan contains a "Post-Implementation Groundwater Monitoring Plan" which identifies the wells and schedule for monitoring after startup of the mitigation wellfield. The Post-Implementation Groundwater Monitoring Plan is reviewed periodically and updated as needed for the mitigation performance review. The schedule used for monitoring in the second and third quarters 2018 was updated for and reported in the performance review for 2017 (Clear Creek Associates, 2018).

Pursuant to the Mitigation Plan, groundwater monitoring reports are submitted to ADEQ semiannually. As described in the Mitigation Plan, the groundwater monitoring reports are primarily meant to transmit monitoring data to ADEQ with little interpretation. Analysis and interpretation of the monitoring data are conducted for the mitigation performance review reports submitted to ADEQ (e.g. Clear Creek Associates, 2018).

Table 1 lists the wells identified for monitoring for the Post-Implementation Groundwater Monitoring Plan. Figure 1 shows the well locations and sampling frequency. Dissolved sulfate is the only constituent analyzed. The groundwater sampling and analysis methods followed by Sierrita are described in the Quality Assurance Project Plan (QAPP) contained in Appendix E of

the Work Plan developed for the Mitigation Order (Hydro Geo Chem, Inc, 2006). The results of groundwater monitoring for the second and third quarters 2018 are presented in Section 2.1.

2. GROUNDWATER MONITORING

2.1 Monitoring Results

Table 2 summarizes the monitoring conducted in the second and third quarters 2018. Analytical results and groundwater elevation data for the second and third quarters 2018 are tabulated in Tables 3 and 4, respectively.

Figures 2 and 3 show the concentrations of dissolved sulfate in the wells sampled in the second and third quarters 2018, respectively. The highest sulfate concentration measured at co-located wells was used for concentration contouring. The figures show the most recent sample result for wells with multiple samples during the quarter. Sulfate concentrations are reported as received from the laboratory with no modifications to the number of significant figures.

Groundwater elevations in the second and third quarters 2018 are presented on Figures 4 and 5, respectively. These figures show the most recent measurement for wells with multiple water level measurements during the quarter. The highest contemporaneous water level measured at co-located wells was used for groundwater elevation contouring.

Groundwater elevations were calculated using depth to water measurements taken under non-pumping (static) conditions at most wells. Depth to water may also have been measured under pumping (dynamic) conditions at Mitigation Plan extraction wells, public drinking water supply wells, and agricultural irrigation wells. Table 4 and Figures 4 and 5 note which water level data are static and which are dynamic. The dynamic water levels can be lower than nearby static water levels because pumping lowers the water table in the vicinity of the extraction wells. Wells with a history of regular operation may have residual drawdown even if measured under non-pumping conditions. Areas of depressed water table conditions around pumping wells are depicted on Figures 4 and 5.

2.2 Quality Assurance/Quality Control Review

Pursuant to Section 6.4 of the QAPP, a data verification report was prepared for quality assurance and quality control purposes. The data verification report reviews the groundwater data collected by Sierrita during the second and third quarters 2018 with respect to data quality objectives in the QAPP, and is included as Appendix A. Analytical laboratory reports for samples collected in the second and third quarters 2018 are provided in portable document format on the compact diskette in Appendix B. As described in the data verification report, all data are of acceptable quality for use in the groundwater monitoring program conducted pursuant to the Mitigation Order.

3. FINDINGS

This semiannual data report provides the results of groundwater monitoring conducted in the vicinity of the STI for the second and third quarters 2018. Groundwater samples were collected from 75 plume area wells and depth to water measurements were collected from 116 wells during the second quarter of 2018. In the third quarter of 2018, groundwater samples were collected from 19 plume area wells and depth to water measurements were collected from 53 plume area wells.

Well sampling for the second quarter 2018 was conducted according to the Post-Implementation Groundwater Monitoring Plan except at 23 wells. Water levels could not be measured at CCGV, CCGV2, FICO E-6, GV-01-GVDWID, GV-02-GVDWID, GV-SI-GVDWID, and S-1 because the wells were running and there is no facility to measure water levels while operating. Samples could not be collected at FFS-5, IW-1, IW-2A, IW-3A, IW-6A, IW-12, IW-14, IW-15, IW-22, IW-23, IW-24, and MH-13A because the wells were not operational. Water levels were not measured at MH-25A or I-10 and a sample was not collected at MH-25A due to water being below the sounding tubes. Water levels at FFS-6 and FICO C-4 were not measured due to obstructions in the sounding tubes.

Well sampling for the third quarter 2018 was conducted according to the Post-Implementation Groundwater Monitoring Plan.

Comparison of the sulfate concentration data for the second and third quarters 2018 with data collected in previous quarters indicates that there has not been any significant change to the overall plume geometry since the Mitigation Order activities began in 2006 except in the vicinity of the MO-2007-1 wells, where migration of the plume has occurred. Northward migration near MO-2007-1 occurred prior to the implementation of the Mitigation Plan in 2014.

The northern edge of the plume remains bounded by M-8, MW-2016-5A, MW-2016-5B, and MW-2016-6. The implementation of groundwater pumping for the Mitigation Plan is controlling the hydraulic gradient in the vicinity of the plume and limiting its migration, as discussed in the mitigation performance review for 2017 (Clear Creek Associates, 2018).

In 2014, the start of pumping at the FFS, PS, and MC wells caused water elevation depressions and convergent groundwater flow patterns to develop in the vicinity of these extraction wells. Similar water elevation depressions also occur around many of the IW wells, as shown in Figures 4 and 5. The water table depressions constitute hydraulic sinks that are due to the constructive interference of overlapping drawdown cones associated with operation of the

extraction well system. The hydraulic sinks around the IW, FFS, PS, and MC wells operate to capture the sulfate plume. The mitigation performance review (Clear Creek Associates, 2018) provides an analysis of the plume capture attained by groundwater pumping in 2017.

Appendix C presents time series graphs of sulfate concentrations at drinking water supply wells, sentinel wells, and select monitoring wells. Sulfate concentration data indicate that concentrations at drinking water supply wells are less than the mitigation action objective of 250 mg/L and less than the interim action trigger level of 135 mg/L established in the Mitigation Plan (Clear Creek Associates, 2013). Sulfate concentrations at sentinel wells are less than the 135 mg/L interim action trigger level. Appendix D includes graphs of water level data over time for sentinel wells and water supply wells.

4. REFERENCES

Arizona Department of Environmental Quality (ADEQ), 2015. Correspondence from Madeline Keller, ADEQ, to Deborah L. Chismar, Sierrita, Re: Review of the Response to ADEQ's Review of the Mitigation Plan for Sulfate with Respect to the Drinking Water Supplies in the Vicinity of the Freeport-McMoRan Sierrita Inc. Tailing Impoundment, November 20, 2015.

Clear Creek Associates. 2013. Mitigation Plan for Sulfate with Respect to Drinking Water Supplies in the Vicinity of Freeport-McMoRan Sierrita Inc. Tailing Impoundment, Mitigation Order on Consent Docket No. P-50-06. December 18, 2013.

Clear Creek Associates. 2018. Mitigation Performance Review for 2017, Mitigation Order on Consent Docket No, P-50-06. April 18, 2018.

Hydro Geo Chem, Inc. (HGC). 2006. Work Plan to Characterize and Mitigate Sulfate with Respect to Drinking Water Supplies in the Vicinity of the Phelps Dodge Sierrita Tailing Impoundment, Pima County, Arizona. August 11, 2006, revised October 31, 2006.

TABLES

TABLE 1
Sampling Schedule for Post-Implementation Groundwater Monitoring

Well Name	ADWR 55 Well Registry No.	Well Use	Owner	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
CC of GV	501760	Monitor	Sierrita		SO4		
CCGV2	627484	Monitor	CWC		WLO		WLO
CW-3	627483	Monitor	CWC		SO4+WL		SO4+WL
CW-6	627485	DWS	CWC	SO4+WL	SO4+WL	SO4+WL	SO4+WL
CW-7	502546	Monitor	CWC		WLO		WLO
CW-8	543600	Monitor	CWC		WLO		WLO
CW-9	588121	DWS	CWC	SO4+WL	SO4+WL	SO4+WL	SO4+WL
CW-10	207982	DWS	CWC	SO4+WL	SO4+WL	SO4+WL	SO4+WL
CW-11	608518	DWS	CWC		WLO		WLO
ESP-2	623103	Monitor	Sierrita		SO4+WL		SO4+WL
ESP-3	623104	Monitor	Sierrita		SO4+WL		SO4+WL
ESP-4	623105	Monitor	Sierrita		SO4+WL		SO4+WL
ESP-5	623106	Monitor	Sierrita		WLO		WLO
FFS-1	221662	Extraction	Sierrita		SO4+WL		WLO
FFS-2	221663	Extraction	Sierrita		SO4+WL		WLO
FFS-3	221664	Extraction	Sierrita		SO4+WL		WLO
FFS-4	221665	Extraction	Sierrita		SO4+WL		WLO
FFS-5	221666	Extraction	Sierrita		SO4+WL		WLO
FFS-6	221667	Extraction	Sierrita		SO4+WL		WLO
FICO C-4	624010	Ag Extraction	FICO		WLO		WLO
FICO E-6	624013	Ag Extraction	FICO		WLO		WLO
GV-01-GVDWID	603428	DWS	GVDWID	SO4+WL	SO4+WL	SO4+WL	SO4+WL
GV-01-PCWW	509603	Monitor	Pima County		WLO		WLO
GV-02-GVDWID	603429	DWS	GVDWID	SO4+WL	SO4+WL	SO4+WL	SO4+WL
GV-02-PCWW	509604	Monitor	Pima County		WLO		WLO
GV-SI-GVDWID	208825	Ag Extraction	GVDWID		SO4+WL		WLO
HAVEN GOLF	515867	Monitor	Haven Golf		SO4		
I-10	608525	Monitor	Sierrita		WLO		WLO
IW-1	623129	Extraction	Sierrita		SO4+WL		WLO
IW-2A	216464	Extraction	Sierrita		SO4+WL		WLO
IW-3A	201732	Extraction	Sierrita		SO4+WL		WLO
IW-4	623132	Extraction	Sierrita		SO4+WL		WLO
IW-5A	219131	Extraction	Sierrita		WLO		WLO
IW-6A	545565	Extraction	Sierrita		SO4+WL		WLO
IW-8	508236	Extraction	Sierrita		SO4+WL		WLO
IW-9	508238	Extraction	Sierrita		SO4+WL		WLO
IW-10	508237	Extraction	Sierrita		SO4+WL		WLO
IW-11	508235	Extraction	Sierrita		SO4+WL		WLO
IW-12	545555	Extraction	Sierrita		SO4+WL		WLO
IW-13	545556	Extraction	Sierrita		WLO		WLO
IW-14	545557	Extraction	Sierrita		SO4+WL		WLO
IW-15	545558	Extraction	Sierrita		SO4+WL		WLO
IW-16	545559	Monitor	Sierrita		WLO		WLO
IW-17	545560	Monitor	Sierrita		WLO		WLO
IW-18	545561	Monitor	Sierrita		WLO		WLO
IW-19	545562	Extraction	Sierrita		SO4+WL		WLO
IW-20	545563	Extraction	Sierrita		WLO		WLO
IW-21	545564	Extraction	Sierrita		SO4+WL		WLO
IW-22	200554	Extraction	Sierrita		SO4+WL		WLO

TABLE 1
Sampling Schedule for Post-Implementation Groundwater Monitoring

Well Name	ADWR 55 Well Registry No.	Well Use	Owner	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
IW-23	200555	Extraction	Sierrita		SO4+WL		WLO
IW-24	200556	Extraction	Sierrita		SO4+WL		WLO
IW-25	219596	Extraction	Sierrita		SO4+WL		WLO
IW-26	219143	Extraction	Sierrita		SO4+WL		WLO
IW-27	219136	Extraction	Sierrita		SO4+WL		WLO
IW-28	219137	Extraction	Sierrita		SO4+WL		WLO
IW-29	222865	Extraction	Sierrita		SO4+WL		WLO
M-5	87387	Monitor	Sierrita		WLO		WLO
M-8	87390	Monitor	Sierrita		SO4+WL		SO4+WL
M-9	501652	Monitor	Sierrita		SO4+WL		WLO
M-10	501653	Monitor	Sierrita		SO4+WL		SO4+WL
M-11	501654	Monitor	Sierrita		WLO		WLO
M-13	508428	Monitor	Sierrita		WLO		WLO
M-20	906595	Monitor	Sierrita		SO4+WL		WLO
MC-1	221660	Extraction	Sierrita		SO4+WL		WLO
MC-2	221761	Extraction	Sierrita		SO4+WL		WLO
MC-3	221661	Extraction	Sierrita		SO4+WL		WLO
MC-4	220842	Extraction	Sierrita		SO4+WL		WLO
MH-1	803629	Monitor	Sierrita		WLO		WLO
MH-3	803630	Monitor	Sierrita		WLO		WLO
MH-5	803632	Monitor	Sierrita		WLO		WLO
MH-6	803633	Monitor	Sierrita		WLO		WLO
MH-7	803634	Monitor	Sierrita		WLO		WLO
MH-9	803635	Monitor	Sierrita		WLO		WLO
MH-10	803636	Monitor	Sierrita		SO4+WL		WLO
MH-11	803637	Monitor	Sierrita		SO4+WL		WLO
MH-13A	904071	Monitor	Sierrita		SO4+WL		WLO
MH-13B	904072	Monitor	Sierrita		SO4+WL		WLO
MH-13C	904073	Monitor	Sierrita		SO4+WL		WLO
MH-14	528098	Monitor	Sierrita		WLO		WLO
MH-15E	528094	Monitor	Sierrita		WLO		WLO
MH-16E	528100	Monitor	Sierrita		WLO		WLO
MH-16W	528099	Monitor	Sierrita		WLO		WLO
MH-25A	201528	Monitor	Sierrita		SO4+WL		WLO
MH-25B	208429	Monitor	Sierrita		SO4+WL		WLO
MH-25C	208426	Monitor	Sierrita		SO4+WL		WLO
MH-26B	208427	Monitor	Sierrita		SO4+WL		WLO
MH-26C	208428	Monitor	Sierrita		SO4+WL		WLO
MH-28	903648	Monitor	Sierrita		SO4+WL		SO4+WL
MH-29	903649	Monitor	Sierrita		SO4+WL		SO4+WL
MH-30	903884	Monitor	Sierrita		SO4+WL		WLO
MO-2007-1A	907342	Monitor	Sierrita		SO4+WL		SO4+WL
MO-2007-1B	907210	Monitor	Sierrita		SO4+WL		SO4+WL
MO-2007-1C	907209	Monitor	Sierrita		SO4+WL		SO4+WL
MO-2007-2	906765	Monitor	Sierrita		SO4+WL		WLO
MO-2007-3B[1]	906816	Sentinel	Sierrita	SO4+WL	SO4+WL	SO4+WL	SO4+WL
MO-2007-3C[1]	906817	Sentinel	Sierrita	SO4+WL	SO4+WL	SO4+WL	SO4+WL

TABLE 1
Sampling Schedule for Post-Implementation Groundwater Monitoring

Well Name	ADWR 55 Well Registry No.	Well Use	Owner	First Quarter	Second Quarter	Third Quarter	Fourth Quarter
MO-2007-4A[2]	907213	Sentinel	Sierrita	SO4+WL	SO4+WL	SO4+WL	SO4+WL
MO-2007-4B[2]	907212	Sentinel	Sierrita	SO4+WL	SO4+WL	SO4+WL	SO4+WL
MO-2007-4C[2]	907211	Sentinel	Sierrita	SO4+WL	SO4+WL	SO4+WL	SO4+WL
MO-2007-5B	907456	Monitor	Sierrita		SO4+WL		SO4+WL
MO-2007-5C	907457	Monitor	Sierrita		SO4+WL		SO4+WL
MO-2007-6A[3]	907607	Sentinel	Sierrita	SO4+WL	SO4+WL	SO4+WL	SO4+WL
MO-2007-6B[3]	907606	Sentinel	Sierrita	SO4+WL	SO4+WL	SO4+WL	SO4+WL
MO-2009-1[5]	910458	Sentinel	Sierrita	SO4+WL	SO4+WL	SO4+WL	SO4+WL
MW-2016-5A	919635	Monitor	Sierrita	SO4+WL[5]	SO4+WL	SO4+WL[5]	SO4+WL
MW-2016-5B	919472	Monitor	Sierrita	SO4+WL[5]	SO4+WL	SO4+WL[5]	SO4+WL
MW-2016-6	919676	Monitor	Sierrita	SO4+WL[5]	SO4+WL	SO4+WL[5]	SO4+WL
NP-2[1]	605898	Sentinel	CWC	SO4+WL	SO4+WL	SO4+WL	SO4+WL
PS-1	220861	Extraction	Sierrita		SO4+WL		WLO
PS-2	220862	Extraction	Sierrita		SO4+WL		WLO
PS-3	220863	Extraction	Sierrita		SO4+WL		WLO
PS-4	220864	Extraction	Sierrita		SO4+WL		WLO
PZ-7	561870	Monitor	Sierrita		SO4+WL		WLO
PZ-8	561866	Monitor	Sierrita		SO4+WL		WLO
S-1	623111	Extraction	Sierrita		WLO		WLO
ST-6	608530	DWS	LQSWC		WLO		WLO
1225	634394	Monitor	Sierrita		WLO		WLO
1350	ND	Monitor	Sierrita		WLO		WLO
1759	634393	Monitor	Sierrita		WLO		WLO
2125	514015	Monitor	Sierrita		WLO		WLO

Notes:

ADWR = Arizona Department of Water Resources

Ag = agricultural

CC OF GV = Country Club of Green Valley

CWC = Community Water Company of Green Valley

DWS = Drinking Water Supply

FICO - Farmers Investment Company

GVDWID = Green Valley Domestic Water Improvement District

GVPCWW = Green Valley Pima County Wastewater Reclamation Facility

LQSWC = Las Quintas Serenas Water Company

ND = No Data

Sierrita = Freeport-McMoRan Sierrita Inc.

SO4 = Water Sample for Sulfate Analysis, WL = Water Level Measurement, WLO = Water Level Measurement Only

[1] *Sentinel Well for CW-9*

[2] *Sentinel Well for CW-6*

[3] *Sentinel Well for GV-01-GVDWID and GV-02-GVDWID*

[4] *Sentinel Well for CW-10*

[5] *Quarterly for baseline monitoring until second quarter of 2018; sampling reverts to second and fourth quarters after second quarter 2018*

TABLE 2
Monitoring Summary - Second and Third Quarters 2018

Well Name	ADWR 55 Well Registry No.	Second Quarter 2018				Third Quarter 2018			
		Requirement	Sample Collected	Water Level Collected	Comment	Requirement	Sample Collected	Water Level Collected	Comment
CC of GV	501760	SO4	Y	N	Water sample collected in May 2018. Water level not measured because well was running.		N	N	Not scheduled for third quarter 2018.
CCGV2	627484	WLO	N	N	Water level not measured because well was running.		N	N	Not scheduled for third quarter 2018.
CW-3	627483	SO4+WL	Y	Y	Water sample collected in June 2018.		N	N	Not scheduled for third quarter 2018.
CW-6	627485	SO4+WL	Y	Y	Water sample collected in May 2018.	SO4+WL	Y	Y	Water sample collected in August 2018.
CW-7	502546	WLO	N	Y	Water level measured in May 2018.		N	N	Not scheduled for third quarter 2018.
CW-8	543600	WLO	N	Y	Water level measured in May 2018.		N	N	Not scheduled for third quarter 2018.
CW-9	588121	SO4+WL	Y	Y	Water sample collected in May 2018.	SO4+WL	Y	Y	Water sample collected in August 2018.
CW-10	207982	SO4+WL	Y	Y	Water sample collected in May 2018.	SO4+WL	Y	Y	Water sample collected in August 2018.
CW-11	608518	WLO	N	Y	Water level measured in May 2018.		N	N	Not scheduled for third quarter 2018.
ESP-2	623103	SO4+WL	Y	Y	Water sample collected in April 2018.		N	N	Not scheduled for third quarter 2018.
ESP-3	623104	SO4+WL	Y	Y	Water sample collected in April 2018.		N	N	Not scheduled for third quarter 2018.
ESP-4	623105	SO4+WL	Y	Y	Water sample collected in April 2018.		N	N	Not scheduled for third quarter 2018.
ESP-5	623106	WLO	N	Y	Water level measured in June 2018.		N	N	Not scheduled for third quarter 2018.
FFS-1	221662	SO4+WL	Y	Y	Water sample collected in May 2018.		N	Y	Water level measured in September 2018.
FFS-2	221663	SO4+WL	Y	Y	Water sample collected in May 2018.		N	N	Not scheduled for third quarter 2018.
FFS-3	221664	SO4+WL	Y	Y	Water sample collected in April 2018.		N	Y	Water level measured in September 2018.
FFS-4	221665	SO4+WL	Y	Y	Water sample collected in May 2018.		N	N	Not scheduled for third quarter 2018.
FFS-5	221666	SO4+WL	N	Y	Pump was not operational. Water level measured in May 2018.		N	N	Not scheduled for third quarter 2018.
FFS-6	221667	SO4+WL	Y	N	Water sample collected in June 2018. Water level not measured due to obstruction in well.		N	N	Not scheduled for third quarter 2018.
FICO C-4	624010	WLO	N	N	Water level not measured due to obstruction.		N	N	Not scheduled for third quarter 2018.
FICO E-6	624013	WLO	N	N	Water level not measured because well was running.		N	N	Not scheduled for third quarter 2018.
GV-01-GVDWID	603428	SO4+WL	Y	N	Water sample collected in May 2018. Water level not measured because well was running.	SO4+WL	Y	Y	Water sample collected in August 2018.
GV-01-PCWW	509603	WLO	N	Y	Water level measured in April 2018.		N	N	Not scheduled for third quarter 2018.
GV-02-GVDWID	603429	SO4+WL	Y	N	Water sample collected in May 2018. Water level not measured because well was running.	SO4+WL	Y	Y	Water sample collected in August 2018.
GV-02-PCWW	509604	WLO	N	Y	Water level measured in April 2018.		N	N	Not scheduled for third quarter 2018.
GV-SI-GVDWID	208825	SO4+WL	Y	N	Water sample collected in May 2018. Water level not measured because well was running.		N	N	Not scheduled for third quarter 2018.
HAVEN GOLF	515867	SO4	Y	N	Water sample collected in May 2018.		N	N	Not scheduled for third quarter 2018.
I-10	608525	WLO	N	N	Water level not measured because water is below sounding tube.		N	N	Not scheduled for third quarter 2018.
IW-1	623129	SO4+WL	N	Y	Pump was not operational. Water level measured in May 2018.		N	Y	Water level measured in September 2018.
IW-2A	216464	SO4+WL	N	Y	Pump was not operational. Water level measured in May 2018.		N	Y	Water level measured in September 2018.
IW-3A	201732	SO4+WL	N	Y	Pump was not operational. Water level measured in May 2018.		N	Y	Water level measured in September 2018.

CLEAR CREEK ASSOCIATES

TABLE 2
Monitoring Summary - Second and Third Quarters 2018

Well Name	ADWR 55 Well Registry No.	Second Quarter 2018				Third Quarter 2018			
		Requirement	Sample Collected	Water Level Collected	Comment	Requirement	Sample Collected	Water Level Collected	Comment
IW-4	623132	SO4+WL	Y	Y	Water sample collected in April 2018. Water level measured in May 2018.		N	Y	Water level measured in September 2018.
IW-5A	219131	WLO	N	Y	Water level measured in May 2018.		N	Y	Water level measured in September 2018.
IW-6A	545565	SO4+WL	N	Y	Pump was not operational. Water level measured in May 2018.		N	Y	Water level measured in September 2018.
IW-8	508236	SO4+WL	Y	Y	Water sample collected in April 2018. Water level measured in May 2018.		N	Y	Water level measured in September 2018.
IW-9	508238	SO4+WL	Y	Y	Water sample collected in April 2018. Water level measured in May 2018.		N	Y	Water level measured in September 2018.
IW-10	508237	SO4+WL	Y	Y	Water sample collected in April 2018. Water level measured in May 2018.		N	Y	Water level measured in September 2018.
IW-11	508235	SO4+WL	Y	Y	Water sample collected in April 2018. Water level measured in May 2018.		N	Y	Water level measured in September 2018.
IW-12	545555	SO4+WL	N	Y	Pump was not operational. Water level measured in May 2018.		N	Y	Water level measured in September 2018.
IW-13	545556	WLO	N	Y	Water level measured in May 2018.		N	Y	Water level measured in September 2018.
IW-14	545557	SO4+WL	N	Y	Pump was not operational. Water level measured in May 2018.		N	Y	Water level measured in September 2018.
IW-15	545558	SO4+WL	N	Y	Pump was not operational. Water level measured in May 2018.		N	Y	Water level measured in September 2018.
IW-16	545559	WLO	N	Y	Water level measured in May 2018.		N	Y	Water level measured in September 2018.
IW-17	545560	WLO	N	Y	Water level measured in May 2018.		N	Y	Water level measured in September 2018.
IW-18	545561	WLO	N	Y	Water level measured in May 2018.		N	N	Not scheduled for third quarter 2018.
IW-19	545562	SO4+WL	Y	Y	Water sample collected in April 2018. Water level measured in May 2018.		N	N	Not scheduled for third quarter 2018.
IW-20	545563	WLO	N	Y	Water level measured in May 2018.		N	Y	Water level measured in September 2018.
IW-21	545564	SO4+WL	Y	Y	Water sample collected in April 2018. Water level measured in May 2018.		N	N	Not scheduled for third quarter 2018.
IW-22	200554	SO4+WL	N	Y	Pump was not operational. Water level measured in May 2018.		N	Y	Water level measured in September 2018.
IW-23	200555	SO4+WL	N	Y	Pump was not operational. Water level measured in May 2018.		N	Y	Water level measured in September 2018.
IW-24	200556	SO4+WL	N	Y	Pump was not operational. Water level measured in May 2018.		N	Y	Water level measured in September 2018.
IW-25	219596	SO4+WL	Y	Y	Water sample collected in April 2018. Water level measured in May 2018.		N	Y	Water level measured in September 2018.
IW-26	219143	SO4+WL	Y	Y	Water sample collected in April 2018. Water level measured in May 2018.		N	Y	Water level measured in September 2018.
IW-27	219136	SO4+WL	Y	Y	Water sample collected in April 2018. Water level measured in May 2018.		N	Y	Water level measured in September 2018.
IW-28	219137	SO4+WL	Y	Y	Water sample collected in April 2018. Water level measured in May 2018.		N	Y	Water level measured in September 2018.
IW-29	222865	SO4+WL	Y	Y	Water sample collected in April 2018. Water level measured in May 2018.		N	Y	Water level measured in September 2018.

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Monitoring Summary - Second and Third Quarters 2018

Well Name	ADWR 55 Well Registry No.	Second Quarter 2018				Third Quarter 2018			
		Requirement	Sample Collected	Water Level Collected	Comment	Requirement	Sample Collected	Water Level Collected	Comment
M-5	87387	WLO	N	Y	Water level measured in June 2018.		N	N	Not scheduled for third quarter 2018.
M-8	87390	SO4+WL	Y	Y	Water sample collected in May 2018.		N	N	Not scheduled for third quarter 2018.
M-9	501652	SO4+WL	Y	Y	Water sample collected in May 2018.		N	N	Not scheduled for third quarter 2018.
M-10	501653	SO4+WL	Y	Y	Water sample collected in May 2018.		N	N	Not scheduled for third quarter 2018.
M-11	501654	WLO	N	Y	Water level measured in June 2018.		N	N	Not scheduled for third quarter 2018.
M-13	508428	WLO	N	Y	Water level measured in June 2018.		N	N	Not scheduled for third quarter 2018.
M-20	906595	SO4+WL	Y	Y	Water sample collected in June 2018.		N	N	Not scheduled for third quarter 2018.
MC-1	221660	SO4+WL	Y	Y	Water sample collected in April 2018. Water level measured in May 2018.		N	Y	Water level measured in September 2018.
MC-2	221761	SO4+WL	Y	Y	Water sample collected in May 2018.		N	N	Not scheduled for third quarter 2018.
MC-3	221661	SO4+WL	Y	Y	Water sample collected in June 2018. Water level measured in May 2018.		N	Y	Water level measured in September 2018.
MC-4	220842	SO4+WL	Y	Y	Water sample collected in May 2018.		N	Y	Water level measured in September 2018.
MH-1	803629	WLO	N	Y	Water level measured in June 2018.		N	N	Not scheduled for third quarter 2018.
MH-3	803630	WLO	N	Y	Water level measured in June 2018.		N	N	Not scheduled for third quarter 2018.
MH-5	803632	WLO	N	Y	Water level measured in June 2018.		N	N	Not scheduled for third quarter 2018.
MH-6	803633	WLO	N	Y	Water level measured in June 2018.		N	N	Not scheduled for third quarter 2018.
MH-7	803634	WLO	N	Y	Water level measured in June 2018.		N	N	Not scheduled for third quarter 2018.
MH-9	803635	WLO	N	Y	Water level measured in June 2018.		N	N	Not scheduled for third quarter 2018.
MH-10	803636	SO4+WL	Y	Y	Water sample collected in April 2018.		N	N	Not scheduled for third quarter 2018.
MH-11	803637	SO4+WL	Y	Y	Water sample collected in May 2018.		N	N	Not scheduled for third quarter 2018.
MH-13A	904071	SO4+WL	N	Y	Pump was not operational. Water level measured in May 2018.		N	N	Not scheduled for third quarter 2018.
MH-13B	904072	SO4+WL	Y	Y	Water sample collected in May 2018.		N	N	Not scheduled for third quarter 2018.
MH-13C	904073	SO4+WL	Y	Y	Water sample collected in May 2018.		N	N	Not scheduled for third quarter 2018.
MH-14	528098	WLO	Y	Y	Water sample collected in April 2018.		N	N	Not scheduled for third quarter 2018.
MH-15E	528094	WLO	N	Y	Water level measured in June 2018.		N	N	Not scheduled for third quarter 2018.
MH-16E	528100	WLO	N	N	Well is dry.		N	N	Not scheduled for third quarter 2018.
MH-16W	528099	WLO	Y	Y	Water sample collected in April 2018.		N	N	Not scheduled for third quarter 2018.
MH-25A	201528	SO4+WL	N	N	Water level not measured because water is below sounding tube.		N	N	Not scheduled for third quarter 2018.
MH-25B	208429	SO4+WL	Y	Y	Water sample collected in May 2018.		N	N	Not scheduled for third quarter 2018.
MH-25C	208426	SO4+WL	Y	Y	Water sample collected in May 2018.		N	N	Not scheduled for third quarter 2018.
MH-26B	208427	SO4+WL	Y	Y	Water sample collected in May 2018.		N	N	Not scheduled for third quarter 2018.
MH-26C	208428	SO4+WL	Y	Y	Water sample collected in May 2018.		N	N	Not scheduled for third quarter 2018.
MH-28	903648	SO4+WL	Y	Y	Water sample collected in April 2018.		Y	Y	Water sample collected in August 2018.
MH-29	903649	SO4+WL	Y	Y	Water sample collected in April 2018.		Y	Y	Water sample collected in August 2018.
MH-30	903884	SO4+WL	Y	Y	Water sample collected in April 2018.		N	N	Not scheduled for third quarter 2018.
MO-2007-1A	907342	SO4+WL	Y	Y	Water sample collected in April 2018.		N	N	Not scheduled for third quarter 2018.
MO-2007-1B	907210	SO4+WL	Y	Y	Water sample collected in April 2018.		N	N	Not scheduled for third quarter 2018.
MO-2007-1C	907209	SO4+WL	Y	Y	Water sample collected in April 2018.		N	N	Not scheduled for third quarter 2018.
MO-2007-2	906765	SO4+WL	Y	Y	Water sample collected in April 2018.		N	N	Not scheduled for third quarter 2018.
MO-2007-3B[2]	906816	SO4+WL	Y	Y	Water sample collected in April 2018.	SO4+WL	Y	Y	Water sample collected in August 2018.
MO-2007-3C[2]	906817	SO4+WL	Y	Y	Water sample collected in April 2018.	SO4+WL	Y	Y	Water sample collected in August 2018.

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TABLE 2
Monitoring Summary - Second and Third Quarters 2018

Well Name	ADWR 55 Well Registry No.	Second Quarter 2018				Third Quarter 2018			
		Requirement	Sample Collected	Water Level Collected	Comment	Requirement	Sample Collected	Water Level Collected	Comment
MO-2007-4A[3]	907213	SO4+WL	Y	Y	Water sample collected in April 2018.	SO4+WL	Y	Y	Water sample collected in August 2018.
MO-2007-4B[3]	907212	SO4+WL	Y	Y	Water sample collected in April 2018.	SO4+WL	Y	Y	Water sample collected in August 2018.
MO-2007-4C[3]	907211	SO4+WL	Y	Y	Water sample collected in April 2018.	SO4+WL	Y	Y	Water sample collected in August 2018.
MO-2007-5B	907456	SO4+WL	Y	Y	Water sample collected in April 2018.		N	N	Not scheduled for third quarter 2018.
MO-2007-5C	907457	SO4+WL	Y	Y	Water sample collected in April 2018.		N	N	Not scheduled for third quarter 2018.
MO-2007-6A[4]	907607	SO4+WL	Y	Y	Water sample collected in April 2018.	SO4+WL	Y	Y	Water sample collected in August 2018.
MO-2007-6B[4]	907606	SO4+WL	Y	Y	Water sample collected in April 2018.	SO4+WL	Y	Y	Water sample collected in August 2018.
MO-2009-1[5]	910458	SO4+WL	Y	Y	Water sample collected in April 2018.	SO4+WL	Y	Y	Water sample collected in August 2018.
MW-2016-5A	919635	SO4+WL	Y	Y	Water sample collected in May 2018.	SO4+WL	Y	Y	Water sample collected in August 2018.
MW-2016-5B	919472	SO4+WL	Y	Y	Water sample collected in May 2018.	SO4+WL	Y	Y	Water sample collected in August 2018.
MW-2016-6	919676	SO4+WL	Y	Y	Water sample collected in May 2018.	SO4+WL	Y	Y	Water sample collected in August 2018.
NP-2[2]	605898	SO4+WL	Y	Y	Water sample collected in April 2018.	SO4+WL	Y	Y	Water sample collected in September 2018.
PS-1	220861	SO4+WL	Y	Y	Water sample collected in April 2018. Water level measured in May 2018.		N	Y	Water level measured in September 2018.
PS-2	220862	SO4+WL	Y	Y	Water sample collected in April 2018. Water level measured in May 2018.		N	Y	Water level measured in September 2018.
PS-3	220863	SO4+WL	Y	Y	Water sample collected in April 2018. Water level measured in May 2018.		N	Y	Water level measured in September 2018.

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TABLE 2
Monitoring Summary - Second and Third Quarters 2018

Well Name	ADWR 55 Well Registry No.	Second Quarter 2018				Third Quarter 2018			
		Requirement	Sample Collected	Water Level Collected	Comment	Requirement	Sample Collected	Water Level Collected	Comment
PS-4	220864	SO4+WL	Y	Y	Water sample collected in June 2018. Water level measured in May 2018.		N	Y	Water level measured in September 2018.
PZ-7	561870	SO4+WL	Y	Y	Water sample collected in May 2018.		N	N	Not scheduled for third quarter 2018.
PZ-8	561866	SO4+WL	Y	Y	Water sample collected in May 2018.		N	N	Not scheduled for third quarter 2018.
S-1	623111	WLO	N	N	Water level not measured because well was running.		N	N	Not scheduled for third quarter 2018.
ST-6	608530	WLO	N	Y	Water level measured in June 2018.		N	N	Not scheduled for third quarter 2018.
1225	634394	WLO	N	Y	Water level measured in June 2018.		N	N	Not scheduled for third quarter 2018.
1350	ND	WLO	N	Y	Water level measured in June 2018.		N	N	Not scheduled for third quarter 2018.
1759	634393	WLO	N	Y	Water level measured in June 2018.		N	N	Not scheduled for third quarter 2018.
2125	514015	WLO	N	Y	Water level measured in June 2018.		N	N	Not scheduled for third quarter 2018.

Notes:
ADWR = Arizona Department of Water Resources
CC OF GV = Country Club of Green Valley
CWC = Community Water Company of Green Valley
FICO - Farmers Investment Company
GVDWID = Green Valley Domestic Water Improvement District
GVPCWW = Green Valley Pima County Wastewater Reclamation Facility
Sierrita = Freeport-McMoRan Sierrita Inc.
SO4 = Water Sample for Sulfate Analysis, WL = Water Level Measurement, WLO = Water Level Measurement Only
N= No
Y = Yes
[1] *First and third quarter sampling pursuant to Contingency Plan*
[2] *Sentinel Well for CW-9*
[3] *Sentinel Well for CW-6*
[4] *Sentinel Well for GV-01-GVDWID and GV-02-GVDWID*
[5] *Sentinel Well for CW-10*

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TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
CC OF GV	501760	1/15/07	7.31	23.0	767	133
		4/16/07	7.44	22.6	767	133
		7/9/07	7.58	24.5	658	104
		1/10/08	7.27	22.5	689	143
		4/16/08	7.37	25.2	426	69.4
		7/7/08	6.97	23.7	736	119
		10/9/08	7.26	24.8	476	72.4
		2/4/09	8.08	13.8	399	107
		4/21/09	6.92	19.8	526	90.1
		4/22/10	6.99	21.26	929	95
		4/21/11	6.95	17.6	494	82
		6/26/12	7.13	27.7	565	88.69
		5/14/13	7.46	23.3	706	147.80
		4/23/14	6.94	22.3	744	156.00
		5/13/15	6.97	23.2	547	102.00
		5/11/17	7.88	24.0	597	95.7
		5/14/18	7.79	26.2	497	89.7
CW-3	627483	6/6/07	7.74	25.3	449	57.9
		8/10/07	7.40	25.9	444	59.5
		1/11/08	7.55	25.1	432	55.7
		4/17/08	7.32	25.6	398	54.1
		7/11/08	7.53	25.7	484	56.7
		10/6/08	7.50	25.3	430	56.2
		2/9/09	7.68	24.3	347	54.3
		4/24/09	6.75	25.4	520	56.2
		12/31/09	7.57	23.8	419	56.2
		4/22/10	7.32	23.03	475	57.7
		10/25/10	7.60	25.5	460	57.6
		5/2/11	7.55	26.4	390	56.8
		12/5/11	7.79	22.7	437	55.18
		6/18/12	7.57	28.4	517	61.70
		12/13/12	7.64	24.1	473	63.84
		12/13/12 DUP	7.64	24.1	473	64.04
		6/13/13	7.63	24.4	444	70.8
		11/12/13	7.24	23.8	417	67.2
		11/12/13 DUP	7.24	23.8	417	67.2
		5/6/14	7.81	24.3	393	70.7
		5/6/14 DUP	7.81	24.3	393	70.6
		10/15/14	7.78	24.8	424	67.5
		5/11/15	7.63	25.2	364	71.4
		5/11/15 DUP	7.63	25.2	364	70.0
		10/28/15	7.51	24.9	558	67.1
		6/9/16	7.63	24.9	367	81.1
		12/6/16	7.82	24.8	498	75.2
		5/23/17	8.08	24.7	542	66.3
		11/30/17	7.92	24.7	522	23.6
		6/26/18	7.95	26.1	488	69.8
		6/26/18 DUP	7.95	26.1	488	69.7

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
CW-6	627485	12/4/06	NM	NM	NM	46.2
		1/3/07	7.73	26.8	418	49.2
		1/3/07	7.73	26.8	418	49.5
		5/14/07	7.58	26.1	507	68.7
		7/10/07	7.60	26.9	475	57.6
		7/10/07	7.60	26.9	475	58
		1/8/08	7.64	27.1	368	48.9
		4/15/08	7.25	26.9	382	51.2
		7/8/08	7.43	27.2	416	47.9
		10/7/08	7.52	26.6	431	51.5
		10/7/08 DUP	7.52	26.6	431	51.5
		2/6/09	7.87	26.6	317	48.2
		4/22/09	7.62	25.3	377	47.9
		4/22/09 DUP	7.62	25.3	377	47.3
		9/17/09	7.18	24.8	478	70
		11/5/09	7.52	25.1	434	59.7
		2/10/10	7.68	24.4	369	46.6
		5/14/10	7.70	26.50	380	52.1
		7/27/10	7.50	27.5	444	55.2
		10/14/10	7.67	26.2	429	52.5
		2/24/11	7.57	23.4	455	70.3
		4/28/11	7.66	25.2	453	58.1
		7/20/11	7.52	25.5	417	81
		12/14/11	7.76	23.7	429	54.50
		12/14/11 DUP	7.76	23.7	429	54.42
		1/24/12	7.49	25.2	303	60.17
		5/9/12	7.70	26.5	489	80.99
		8/29/12	7.44	25.2	537	82.24
		12/12/12	7.47	23.6	541	82.98
		2/6/13	7.32	24.0	457	76.54
		5/15/13	7.63	24.7	513	91.94
		7/17/13	7.47	25.3	500	91.60
		10/23/13	7.50	25.1	365	85.1
		1/14/14	7.49	22.4	395	87.2
		4/16/14	7.65	24.4	434	85.6
		7/22/14	7.21	25.5	614	78.0
		10/13/14	7.71	23.9	464	79.5
		1/13/15	7.82	23.6	433	80.5
		4/14/15	7.31	24.4	430	91.1
		7/27/15	7.76	25.9	572	94.8
		7/27/15 DUP	7.76	25.9	572	94.3
		10/20/15	7.65	24.6	563	85.9
		1/20/16	8.06	22.8	499	69.3
		4/19/16	8.03	26.8	409	92.6
		8/22/16	7.71	25.8	601	91.7
		10/31/16	8.06	24.4	606	85.6
		1/17/17	7.72	22.4	551	75.2
		5/16/17	7.66	24.5	582	85.7
		7/20/17	7.96	24.8	496	78.9
		10/24/17	7.91	24.1	602	79.1
		2/12/18	7.94	23.2	478	71.0
		5/15/18	7.90	24.2	439	77.5
		8/7/18	7.87	25.1	450	77.3

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
CW-7	502546	1/3/07	7.38	27.4	1799	807
		5/14/07	7.40	27.4	1860	874
		7/10/07	7.32	27.4	1945	860
		1/8/08	7.26	27.3	1860	1080
		4/15/08	7.31	27.6	1758	900
		7/8/08	7.11	27.9	2037	890
		7/8/08 DUP	7.11	27.9	2037	910
CW-8	543600	1/24/07	7.67	29.7	1232	449
		5/14/07	7.69	29.4	1379	529
		7/10/07	7.63	29.8	1401	500
		1/8/08	7.59	7.6	1160	466
		4/15/08	7.54	29.5	1135	441
		7/8/08	7.40	29.8	1373	504
CW-9	588121	12/4/06	NM	NM	NM	44.5
		1/3/07	7.74	27.0	387	44.9
		5/14/07	7.74	27.5	414	47.8
		7/10/07	7.68	22.6	414	46.7
		1/8/08	7.55	27.3	356	47.3
		4/15/08	7.39	27.4	347	43.7
		7/8/08	7.26	27.9	396	44.1
		10/7/08	7.50	27.7	395	43.5
		2/6/09	7.79	26.8	300	45.1
		4/22/09	7.81	26.3	361	44.3
		7/30/09	7.57	28.3	379	43.8
		11/5/09	6.82	27.4	376	44.7
		2/10/10	7.55	26.0	351	43.4
		5/14/10	7.62	28.1	345	44.2
		7/27/10	7.58	28.4	390	44.1
		10/14/10	7.72	27.5	389	44.2
		2/24/11	7.75	26.3	347	42.7
		4/28/11	7.68	28.8	377	44.4
		7/20/11	7.71	27.8	379	43.9
		12/14/11	7.69	26.5	373	43.80
		1/24/12	7.70	25.1	262	45.60
		5/9/12	7.67	28.3	356	44.39
		8/29/12	7.62	27.9	372	43.94
		12/12/12	7.75	26.6	382	42.14
		2/6/13	7.43	26.7	325	39.87
		5/15/13	7.70	27.0	367	45.78
		7/17/13	7.66	28.1	374	43.70
		10/23/13	7.66	26.9	260	44.4
		1/14/14	7.60	26.1	275	44.3
		1/14/14 DUP	7.60	26.1	275	44.1
		4/16/14	7.84	26.7	304	44.2
		7/22/14	7.47	27.6	446	41.8
		7/22/14 DUP	7.47	27.6	446	42.0
		10/13/14	7.97	27.0	329	42.0
		1/13/15	8.05	26.3	309	44.7
		4/14/15	7.52	27.0	311	47.0
		7/27/15	7.82	27.4	412	49.0
		10/20/15	7.87	26.5	432	45.9
		1/20/16	7.94	25.5	413	46.5
		4/19/16	7.89	25.3	419	48.6
		8/22/16	7.87	27.2	439.4	47.5
		10/31/16	8.08	26.9	425.8	47.3
		1/17/17	7.74	25.6	429.8	45.6
		5/16/17	7.47	26.3	445.5	50.3
		7/20/17	7.98	27.4	412	48.3
		10/24/17	8.05	27.1	421	48.4
		2/12/18	7.94	26.1	372	45.4
		5/15/18	8.05	27.2	358	49.8
		8/7/18	7.93	27.5	367	50.5
		8/7/18 DUP	7.93	27.5	367	50.1

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
CW-10	207982	12/4/06	NM	NM	NM	37.2
		1/24/07	7.90	30.2	385	48.6
		5/14/07	7.81	31.3	392	52.8
		7/10/07	7.82	31.3	403	51.7
		1/8/08	7.79	28.2	334	45.3
		4/15/08	7.51	30.6	339	50.8
		7/8/08	7.34	31.2	385	50.5
		10/7/08	7.59	30.5	380	48.3
		2/6/09	7.91	29.8	295	51.3
		4/22/09	7.71	29.2	349	47.9
		7/30/09	7.60	31.5	375	49.2
		7/30/09 DUP	7.60	31.5	375	49.4
		11/5/09	7.60	29.7	364	49.9
		2/10/10	7.69	28.4	346	44.9
		5/14/10	7.79	30.7	349	49.1
		7/27/10	7.69	31.4	380	48.9
		10/14/10	7.74	30.2	377	48.5
		2/24/11	7.83	29.3	346	50.2
		2/24/11 DUP	7.83	29.3	346	50.2
		4/28/11	7.54	27.9	372	49.6
		7/20/11	7.72	31.4	383	50.7
		12/14/11	7.81	29.8	370	49.24
		1/24/12	7.77	28.7	265	52.32
		5/9/12	7.85	30.9	354	52.51
		8/29/12	7.74	31.4	369	50.95
		12/12/12	7.77	29.3	392	52.33
		2/6/13	7.52	29.3	332	47.91
		5/15/13	7.85	30.6	365	52.35
		5/15/13 DUP	7.85	30.6	365	52.77
		7/17/13	8.12	31.5	353	54.80
		10/25/13	7.70	29.8	260	51.7
		1/14/14	7.45	29.2	266	50.8
		4/16/14	7.93	30.0	298	50.2
		7/22/14	7.93	31.0	427	47.9
		10/13/14	7.98	30.7	322	48.2
		1/13/15	8.05	29.9	296	48.5
		4/14/15	7.60	29.9	315	56.7
		4/14/15 DUP	7.60	29.9	315	57.5
		7/27/15	7.83	31.2	399	55.1
		10/20/15	7.90	30.2	415	46.6
		1/20/16	8.05	27.4	403	49.9
		4/19/16	7.99	27.0	426	50.8
		8/22/16	7.97	32.1	423.5	54.4
		10/31/16	8.27	29.5	444.6	54.7
		1/17/17	7.79	29.0	408.4	46.1
		5/16/17	7.63	30.5	470	53.0
		7/20/17	8.03	30.6	394	47.1
		10/24/17	8.23	30.3	400	46.4
		5/15/18	7.77	30.8	325	44.4
		8/7/18	8.79	31.0	328	44.4

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
ESP-1	623102	12/4/06	NM	NM	NM	262
		1/3/07	7.65	28.0	869	242
		5/14/07	7.70	28.7	592	113
		7/10/07	7.66	28.8	584	94
		1/23/08	7.73	27.6	492	100
		4/18/08	7.61	29.6	474	102
		7/25/08	7.52	28.4	561	104
		10/30/08	7.55	26.9	576	121
		1/29/09	7.44	25.2	491	113
		4/16/09	7.72	25.4	541	130
		11/10/09	7.45	26.8	649	173
		4/28/10	7.49	28.7	639	204
		10/15/10	7.49	27.7	953	291
		5/3/11	7.51	28.1	1060	359
		12/13/11	7.49	26.1	1046	387.52
		6/19/12	7.43	30.4	1221	395.72
ESP-2	623103	12/4/06	NM	NM	NM	29.6
		1/3/07	7.82	28.4	377	31.3
		5/14/07	7.86	27.8	368	28.4
		7/10/07	7.73	28.9	380	28.6
		1/23/08	7.85	25.8	366	30
		4/18/08	7.80	27.3	325	27.6
		7/25/08	7.65	28.6	361	26.8
		10/30/08	7.22	27.5	374	30.1
		10/30/08 DUP	7.22	27.5	374	30
		1/29/09	6.38	25.4	317	27.8
		4/16/09	7.55	24.0	307	28.2
		11/10/09	7.58	27.0	343	28.9
		4/28/10	7.67	27.9	324	28.7
		10/15/10	7.78	27.6	355	27.9
		10/15/10 DUP	7.78	27.6	355	27.8
		5/3/11	7.72	27.8	361	28.1
		5/3/11 DUP	7.72	27.8	361	28.1
		11/22/11	7.84	26.0	350	26.65
		6/19/12	7.65	31.7	387	27.75
		11/21/12	7.55	28.8	333	26.79
		5/20/13	7.70	28.2	350	27.86
		11/5/13	7.72	27.9	245	26.9
		4/28/14	7.91	27.5	291	28.3
		10/1/14	7.96	28.3	327	26.8
		5/12/15	7.89	27.5	274	29.1
		10/21/15	7.84	27.4	321	30.2
		2/9/16	7.84	26.7	427	30.9
		6/7/16	7.84	27.7	282	32.7
		9/7/16	8.03	26.8	402.3	31.9
		10/4/16	7.99	29.1	406.3	30.4
		1/18/17	7.93	27.4	397.6	31.0
		5/22/17	7.98	29.2	408.5	32.6
		8/7/17	7.98	28.6	374	30.5
		10/17/17	8.08	29.3	404	30.6
		1/16/18	8.08	27.8	312	29.2
		4/5/18	7.70	29.0	325	30.4

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
ESP-3	623104	12/4/06	NM	NM	NM	36.2
		1/3/07	7.83	27.8	393	37.5
		5/14/07	7.78	28.8	374	36.6
		5/14/07	7.78	28.8	374	36.6
		7/10/07	7.84	29.2	378	36.6
		1/23/08	7.99	26.1	373	30
		4/18/08	7.82	27.8	322	35.7
		7/25/08	7.70	28.2	358	34
		10/30/08	7.58	27.8	375	36.8
		1/29/09	7.73	23.9	327	35.2
		4/16/09	7.62	26.1	327	35.3
		11/12/09	7.71	27.0	354	39.5
		4/28/10	7.77	25.8	326	35.8
		10/15/10	7.76	27.5	356	35.2
		5/3/11	7.82	27.2	362	35.1
		11/22/11	7.95	27.6	337	34.18
		6/19/12	7.87	30.6	390	34.98
		11/21/12	7.59	28.4	327	35.4
		5/22/13	7.71	26.7	368	35.87
		11/5/13	7.76	27.2	242	35.6
		4/28/14	7.90	27.7	287	35.9
		10/1/14	7.99	28.2	324	33.6
		5/12/15	7.90	27.8	269	36.4
		10/21/15	7.94	28.4	312	36.9
		2/9/16	7.84	27.8	396	38.2
		6/7/16	7.85	27.9	270	38.3
		9/7/16	8.08	27.5	393.1	38.0
		9/7/16 DUP	8.08	27.5	393.1	37.8
		10/4/16	7.99	28.7	395.7	36.7
		1/18/17	7.79	27.8	406.1	35.3
		1/18/17 DUP	7.79	27.8	406.1	36.0
		5/22/17	7.90	28.4	398.5	37.4
		8/7/17	7.84	28.4	365	36.4
		10/17/17	8.08	28.9	392	36.7
		1/16/18	7.88	27.8	303	34.5
		4/5/18	7.96	29.0	320	35.7

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
ESP-4	623105	3/20/07	7.67	26.7	1187	393
		6/4/07	7.45	28.4	733	385
		7/24/07	7.34	28.4	918	410
		7/24/07	7.34	28.4	918	420
		1/23/08	7.83	24.4	787	520
		4/18/08	7.71	27.2	821	462
		7/25/08	7.52	28.6	1096	420
		10/30/08	7.23	25.9	962	489
		1/29/09	7.52	24.7	950	522
		4/16/09	7.30	25.4	873	521
		10/23/09	7.41	27.8	954	485
		4/28/10	7.37	26.7	936	558
		4/28/10 DUP	7.37	26.7	936	520
		10/15/10	7.41	27.9	1356	539
		5/3/11	7.54	27.1	1465	595
		11/12/12	7.60	26.3	1337	618.5
		5/20/13	7.46	28.5	1173	581.6
		11/5/13	7.47	26.8	843	585
		4/28/14	7.70	25.8	814	352
		10/1/14	7.69	26.5	993	397
		5/12/15	7.69	26.8	766	423
		10/19/15	7.63	27.3	972	420
		10/19/15 DUP	7.63	27.3	972	420
		6/7/16	7.55	26.9	757	385
		10/4/16	7.86	27.0	1205	368
		10/4/16 DUP	7.86	27.0	1205	362
		5/22/17	7.56	27.7	1190	342
		10/17/17	7.82	28.8	1124	341
		4/5/18	7.89	27.7	920	302
		4/5/18 DUP	7.89	27.7	920	301
FFS-1	221662	2/4/14	7.63	23.2	3230	1780
		2/4/14 DUP	7.63	23.2	3230	1750
		4/15/14	7.61	25.6	1871	1760
		7/9/14	7.08	26.4	3080	1850
		11/11/14	7.44	25.5	3170	1790
		1/12/15	7.57	24.6	3150	1770
		1/12/15 DUP	7.57	24.6	3150	1760
		7/15/15	7.64	27.2	2980	1770
		11/3/15	7.41	24.6	1560	1750
		11/3/15 DUP	7.41	24.6	1560	1690
		1/5/16	6.73	23.5	1854	1850
		5/9/16	7.43	25.7	1310	1860
		5/9/16 DUP	7.43	25.7	1310	1880
		8/18/16	6.91	25.6	3641	1820
		4/17/17	7.76	25.4	3339	1790
		5/10/18	7.71	27.6	2446	1820
FFS-2	221663	2/4/14	7.61	24.4	3120	1730
		4/15/14	7.46	27.0	1788	1710
		4/15/14 DUP	7.46	27.0	1788	1730
		7/9/14	6.97	27.4	2920	1840
		7/9/14 DUP	6.97	27.4	2920	1820
		11/11/14	7.22	26.4	3100	1800
		1/12/15	7.48	26.3	3050	1760
		4/2/15	7.49	26.5	1570	1800
		4/2/15 DUP	7.49	26.5	1570	1800
		7/15/15	6.45	28.2	2900	1850
		11/3/15	7.35	25.4	1526	1760
		1/5/16	6.88	24.0	1729	1900
		5/16/16	7.36	27.5	1490	1920
		8/18/16	7.23	27.1	3583	1940
		4/17/17	7.61	26.8	3349	1820
		4/25/18	7.65	28.4	2608	1920

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
FFS-3	221664	2/4/14	7.37	29.5	2630	1450
		4/15/14	7.41	31.1	1559	1440
		7/9/14	6.98	32.0	2580	1560
		11/11/14	7.16	30.3	2670	1570
		1/12/15	7.43	29.6	1840	1500
		4/2/15	7.38	29.3	1433	1490
		7/15/15	6.93	31.6	2550	1560
		11/3/15	7.49	29.1	1511	1480
		1/5/16	7.03	28.6	1604	1590
		5/16/16	7.43	31.4	1461	1580
		8/22/16	7.40	31.9	3027	1580
		4/17/17	7.64	32.4	2831	1490
		4/26/18	7.72	31.9	2293	1530
		4/26/18 DUP	7.72	31.9	2293	1570
FFS-4	221665	2/4/14	7.59	29.1	1857	1100
		4/15/14	7.64	31.4	1347	1140
		7/9/14	7.09	32.6	2190	1260
		11/11/14	7.21	30.6	1821	1310
		1/12/15	7.52	30.3	1603	1230
		4/2/15	7.58	30.0	1317	1230
		11/3/15	7.57	30.1	1439	1240
		1/5/16	7.13	30.0	1499	1320
		1/5/16 DUP	7.13	30.0	1499	1330
		5/16/16	7.50	31.9	1360	1380
		8/22/16	7.49	32.9	2666	1380
		4/17/17	7.70	32.9	2570	1310
		5/1/18	7.62	32.4	2011	1350
FFS-5	221666	2/4/14	7.36	27.5	2580	1360
		4/15/14	7.56	28.8	1528	1360
		7/9/14	6.93	30.0	2460	1400
		11/11/14	7.13	29.0	2570	1410
		11/11/14 DUP	7.13	29.0	2570	1320
		1/12/15	7.48	28.5	1776	1360
		4/2/15	7.40	28.0	1410	1390
		7/15/15	6.47	30.5	2460	1430
		11/3/15	7.41	28.2	1541	1400
		1/6/16	7.12	25.6	1555	1550
		5/16/16	7.46	29.3	1380	1470
		8/22/16	7.36	30.5	3052	1440
		8/22/16 DUP	7.36	30.5	3052	1520
		4/17/17	7.57	30.3	2900	1500
FFS-6	221667	2/4/14	7.41	27.4	2250	1260
		4/15/14	7.53	29.2	1378	1130
		7/9/14	6.94	29.9	2220	1210
		11/11/14	7.10	28.4	1833	1170
		1/12/15	7.52	29.2	1609	1180
		1/12/15 DUP	7.52	29.2	1609	1190
		4/2/15	7.47	27.2	1323	1210
		7/15/15	7.11	31.5	2190	1220
		7/15/15 DUP	7.11	31.5	2190	1260
		11/4/15	7.16	26.6	1407	1200
		1/6/16	7.18	26.8	1540	1270
		5/16/16	7.53	29.4	1367	1270
		8/22/16	7.36	30.2	2655	1250
		4/17/17	7.44	27.1	1367	1590
		6/29/18	7.71	29.9	2065	1310

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
GV-01-GVDWID	603428	8/6/06	NM	NM	NM	41.2
		1/9/07	8.00	25.8	424	40.9
		4/10/07	7.69	27.2	421	43.2
		7/11/07	7.64	26.8	447	41.5
		1/7/08	7.49	25.7	422	45.7
		4/16/08	7.29	25.8	399	44.1
		7/7/08	7.14	26.1	466	45.2
		10/9/08	7.25	26.6	414	39
		2/4/09	7.50	26.4	338	42.3
		4/22/09	7.05	27.8	380	40.6
		7/29/09	7.17	24.6	606	44.3
		11/4/09	7.45	25.1	415	45.1
		1/27/10	7.54	24.5	411	47.0
		4/1/10	7.49	24.6	420	48.5
		7/28/10	7.20	28.1	348	39.4
		10/14/10	7.29	26.4	411	38.4
		1/20/11	7.04	23.0	408	40.0
		4/28/11	7.30	27.5	421	42.9
		7/20/11	6.88	27.1	429	39.6
		12/7/11	7.68	25.4	416	39.31
		3/14/12	7.61	26.0	406	35.56
		6/7/12	7.21	26.9	420	37.87
		8/29/12	7.38	27.6	409	36.15
		11/15/12	7.27	23.9	450	33.95
		1/29/13	7.34	24.9	373	38.61
		5/16/13	7.64	26.8	398	38.80
		7/11/13	7.79	26.4	367	42.60
		7/11/13 DUP	7.79	26.4	367	42.50
		10/16/13	6.72	26.0	388	33.0
		1/10/14	7.31	24.2	486	34.2
		1/10/14 DUP	7.31	24.2	486	34.2
		4/15/14	7.95	25.2	325	35.5
		7/21/14	7.42	27.3	498	31.9
		1/12/15	7.74	25.1	325	33.7
		4/15/15	7.56	27.2	347	37.6
		7/22/15	7.65	26.5	446	41.8
		10/21/15	7.22	25.8	345	34.5
		10/21/15 DUP	7.22	25.8	345	33.7
		1/19/16	7.98	24.8	435	33.7
		4/20/16	7.45	26.7	368	40.9
		8/24/16	7.94	27.6	515	34.1
		11/3/16	7.98	25.3	456	36.8
		1/19/17	7.87	24.4	444.4	33.3
		5/31/17	7.79	26.5	482	30.1
		7/13/17	7.93	26.0	427	27.0
		10/25/17	8.02	26.2	401	27.2
		2/13/18	8.07	25.0	359	25.4
		5/16/18	7.86	27.0	379	26.4
		8/15/18	7.93	25.8	292	25.3

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
GV-02-GVDWID	603429	8/6/06	NM	NM	NM	48.6
		10/4/06	NM	NM	NM	95.3
		1/9/07	7.68	23.6	626	103
		4/10/07	7.60	24.1	479	106
		7/11/07	7.50	24.0	649	98
		1/7/08	7.32	23.3	611	98
		4/16/08	7.28	23.7	553	97
		7/7/08	7.12	23.8	642	93.2
		10/9/08	7.18	24.2	599	93.5
		2/4/09	7.36	23.9	489	98.8
		4/22/09	6.67	26.5	485	79.5
		7/29/09	7.02	26.4	427	91.6
		11/4/09	7.25	24.3	547	93.2
		1/27/10	7.47	22.0	547	94.9
		1/27/10 DUP	7.47	22.0	547	94.5
		4/1/10	7.33	22.9	555	99.5
		7/28/10	7.23	24.6	650	83
		10/14/10	7.36	24.5	629	90.7
		1/20/11	7.37	23.1	611	92.7
		4/28/11	7.43	24.5	612	87.3
		7/20/11	7.35	24.0	624	87.2
		12/7/11	7.53	21.8	578	77.88
		3/14/12	7.37	23.8	566	77.35
		6/7/12	7.14	24.0	559	71.78
		8/29/12	7.49	26.3	495	62.98
		8/29/12 DUP	7.49	26.3	495	63.26
		11/15/12	7.55	23.4	543	63.97
		1/29/13	7.35	22.7	457	61.02
		1/29/13 DUP	7.35	22.7	457	61.23
		5/16/13	7.54	24.4	482	63.14
		7/11/13	7.72	24.4	423	64.20
		10/16/13	6.67	23.5	469	53.3
		1/10/14	7.37	22.1	553	55.3
		4/15/14	7.92	23.5	343	45.7
		7/21/14	7.31	24.8	544	42.1
		10/14/14	7.73	23.5	449	48.5
		1/12/15	7.56	22.7	387	46.4
		4/15/15	7.18	23.9	419	58.7
		7/22/15	7.86	24.9	484	49.8
		10/21/15	7.70	24.0	406	52.4
		4/20/16	7.10	24.3	428	52.8
		11/3/16	8.00	24.2	503	44.3
		11/3/16 DUP	8.00	24.2	503	44.3
		1/19/17	7.90	22.7	496	43.6
		5/15/17	7.64	24.3	462	37.6
		7/13/17	8.00	24.1	480	37.7
		10/25/17	8.00	24.4	455	37.7
		2/13/18	7.90	23.5	426	36.2
		5/16/18	7.93	23.8	413	41.8
		8/15/18	7.92	24.2	337	44.3

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
GV-SI-GVDWID	208825	10/4/06	NM	NM	NM	5.9
		1/9/07	7.90	26.7	358	5.7
		4/10/07	7.48	26.8	367	6.6
		7/11/07	7.59	27.1	389	6.9
		1/7/08	7.00	26.6	342	8
		4/16/08	7.27	26.4	331	2
		7/7/08	7.18	27.2	382	<0.5
		10/9/08	7.44	26.7	352	5.4
		2/4/09	7.56	27.3	290	6.2
		4/22/09	6.95	28.0	330	5.6
		4/1/10	7.55	26.1	339	6.9
		4/28/11	7.57	27.1	364	6.0
		6/20/12	7.33	28.5	367	8.46
		5/16/13	7.55	26.6	359	6.10
		4/14/14	7.92	25.8	290	5.89
		4/15/15	7.18	27.0	321	8.35
		4/20/16	7.02	26.4	374	8.40
		4/20/16 DUP	7.02	26.4	374	8.31
		5/15/17	7.76	27.6	418.1	7.52
		5/16/18	8.06	27.3	343	6.60
		5/16/18 DUP	8.06	27.3	343	6.56
HAVEN GOLF	515867	2/6/07	7.28	23.0	683	107
		4/16/07	7.26	23.3	655	105
		7/9/07	7.57	32.8	622	80.1
		1/7/08	7.18	21.0	610	99
		4/15/08	7.34	24.8	629	106
		7/7/08	6.93	23.9	727	112
		10/7/08	7.31	27.8	588	92.3
		2/4/09	7.33	23.7	554	120
		2/4/09 DUP	7.33	23.7	554	119
		4/21/09	7.40	23.6	306	109
		4/22/10	6.85	20.8	726	109
		4/21/11	7.10	20.4	588	95
		5/29/12	6.41	279.0	633	88.05
		5/7/13	7.46	23.5	537	105.13
		4/22/14	6.99	24.5	571	97.40
		5/13/15	7.25	23.9	429	112
		6/8/16	7.31	24.2	456	99.5
		6/8/16 DUP	7.31	24.2	456	101.0
		5/11/17	7.73	23.7	583	91.6
		5/11/17 DUP	7.73	23.7	583	87.7
		5/14/18	7.72	25.4	501	91.0
I-10	608525	4/16/07	7.17	28.8	878	533
		7/11/07	7.13	31.3	1013	550
		1/8/08	7.46	24.6	1164	520
		4/14/08	7.29	29.5	836	490
		7/21/08	7.19	30.9	1036	480
		10/28/08	7.18	29.7	1034	526
		1/20/09	7.13	27.6	1040	544
		5/12/09	7.15	28.0	997	495
		4/30/14	7.52	27.0	1072	629

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
IW-1	623129	11/15/06	NM	NM	NM	490
		1/10/07	6.97	25.1	1033	520
		4/9/07	7.24	26	918	480
		7/16/07	6.86	32.7	884	510
		1/16/08	7.38	28.5	959	610
		5/7/08	6.87	29.8	847	610
		7/23/08	6.57	29.5	1228	670
		10/24/08	7.01	30.9	1201	700
		1/27/09	6.61	23.6	1134	660
		4/20/09	7.01	29.0	1092	670
		4/12/10	6.79	29.6	1148	940
		5/11/11	7.02	27.1	2110	1050
		5/21/12	6.71	32.0	1689	900
		4/15/13	7.25	27.4	1676	980
		4/14/14	7.44	28.2	1120	896
		4/1/15	7.55	28.7	1302	1140
		5/17/16	7.46	28.2	1330	1430
		8/23/16	7.54	29.2	2735	1290
		10/4/16	7.64	28.6	2805	1270
		4/19/17	7.77	29.4	2821	1450
		4/19/17 DUP	7.77	29.4	2821	1440
IW-2	623130	11/15/06	NM	NM	NM	100
		1/10/07	6.91	23.8	528	110
		4/3/07	7.08	25.3	492	90
		7/16/07	7.18	32.2	506	90
		1/16/08	7.76	28.1	470	70
IW-2A	216464	4/22/08	6.99	30.5	382	80
		7/23/08	6.88	30.3	474	60
		10/24/08	7.43	30.3	473	60
		1/27/09	7.02	25	420	53
		4/20/09	6.85	28.0	405	54
		4/12/10	7.04	NM	28.9	77
		5/11/11	7.12	26.7	541	87
		5/11/11 DUP	7.12	26.7	541	88
		5/21/12	6.89	31.1	638	121
		4/15/13	7.01	27.0	550	123
		4/14/14	7.64	27.7	430	116
		4/1/15	7.94	27.8	536	150
		5/17/16	7.67	28.1	574	257
		8/23/16	7.92	29.6	994	270
		10/4/16	7.87	28.3	1016	269
IW-3A	201732	11/15/06	NM	NM	NM	1590
		4/3/07	7.29	25.1	1374	1540
		7/16/07	6.85	29.8	1184	1500
		1/16/08	7.20	27.4	1280	1490
		4/22/08	7.03	29.3	1224	1420
		7/23/08	6.62	29.3	1789	1460
		10/27/08	6.97	28.7	1679	1450
		1/27/09	6.82	23.1	1520	1550
		1/27/09 DUP	6.82	23.1	1520	1310
		4/20/09	6.69	27.2	1448	1400
		4/12/10	6.55	27.5	1380	1500
		5/11/11	6.75	25.6	2260	1650
		6/20/12	6.51	275.0	3170	1700
		5/14/13	7.01	27.7	2660	1600
		4/14/14	7.34	25.9	1757	1720
		4/1/15	7.55	26.2	1619	1820
		4/19/17	7.79	27.2	3450	1900

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
IW-4	623132	1/18/07	6.81	22.4	2210	1610
		1/18/07	6.81	22.4	2210	1590
		4/11/07	6.6	28.2	1252	1600
		7/18/07	6.61	29.1	1462	1450
		1/16/08	7.00	25.2	1326	1590
		4/22/08	6.59	28.6	1264	1540
		7/23/08	6.70	31.0	1899	1640
		10/24/08	6.92	27.9	1924	1630
		1/27/09	6.58	23.9	1718	1460
		4/20/09	6.79	25.6	1604	1400
		4/12/10	6.49	26.8	1483	1600
		5/11/11	6.57	25.8	3070	1700
		5/21/12	6.57	27.5	2650	1500
		4/15/13	6.93	24.2	2750	1800
		4/14/14	7.01	24.3	1903	1690
		5/17/16	7.40	25.1	1744	1750
		8/22/16	7.29	27.7	3593	1830
		10/4/16	7.69	26.3	3542	1770
		4/24/18	7.67	26.1	2686	1870
		4/24/18 DUP	7.67	26.1	2686	1750
IW-5	623133	1/16/07	7.34	23.1	1511	1710
		7/18/07	6.82	27.0	1716	1610
		1/16/08	7.11	24.1	1380	1690
		4/21/08	6.64	27.5	1326	1550
		7/23/08	6.76	30.1	1370	1730
		10/27/08	6.57	26.8	1886	1720
		1/27/09	6.44	19.5	1560	1630
		4/20/09	6.73	24.7	1635	1600
		4/12/10	6.59	25.7	1476	1800
		4/12/10 DUP	6.59	25.7	1476	1700
IW-5A	219131	4/20/11	6.78	22.2	3210	1740
		5/22/12	6.68	26.6	2880	1600
		4/15/13	6.84	24.2	2910	1760
		4/15/13 DUP	6.84	24.2	2910	1740
		4/14/14	6.96	24.5	3120	1750
IW-6A	545565	11/15/06	NM	NM	NM	1760
		1/16/07	7.25	22.5	1562	1800
		4/9/07	6.69	26	1627	1830
		7/25/07	6.67	24.5	1609	1930
		1/16/08	7.21	23.1	1489	1910
		1/16/08 DUP	7.21	23.1	1489	1800
		4/21/08	7.30	25.4	1309	1920
		7/17/08	6.84	27.1	1510	1850
		10/24/08	6.61	25.5	1999	1930
		1/26/09	6.58	21.9	1959	1600
		4/20/09	6.78	25.6	1710	1700
		4/12/10	6.99	34.2	1437	1800
		5/11/11	6.82	23.4	3390	1900
		5/22/12	6.61	27.3	2950	1800
		4/15/13	6.86	23.9	3030	1840
		4/14/14	6.99	23.4	3270	1890

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
IW-8	508236	4/3/07	7.11	24.1	1523	1760
		7/18/07	6.82	29.5	1328	1870
		1/16/08	7.30	24.3	1386	1900
		4/22/08	6.86	27.5	1301	1700
		7/23/08	6.78	27.5	1440	1870
		10/24/08	6.85	27.4	1976	1890
		1/27/09	6.38	20.4	1816	1630
		4/20/09	6.75	25.4	1620	1700
		4/12/10	6.52	25.6	1547	1900
		5/11/11	6.67	23.9	1965	1900
		5/21/12	6.62	28.7	2670	1700
		5/14/13	6.96	26.9	2800	1700
		4/1/15	7.47	24.8	1687	1800
		5/17/16	7.53	24.3	1719	1940
		8/23/16	7.61	26.0	3666	1880
		10/4/16	7.75	24.5	3722	1830
		4/19/17	7.88	24.7	3538	1970
		4/24/18	7.81	24.4	2812	1950
IW-9	508238	11/15/06	NM	NM	NM	1760
		1/18/07	7.40	22.6	1690	1670
		4/11/07	6.73	25.1	1424	1750
		7/18/07	6.78	29.4	1547	1810
		1/16/08	7.01	26.1	1359	1700
		4/22/08	6.86	28.5	1328	1670
		7/23/08	6.88	28.8	1420	1730
		10/24/08	6.88	28.6	1981	1720
		10/24/08 DUP	6.88	28.6	1981	1720
		1/27/09	6.69	21.7	1774	1500
		4/20/09	6.79	26.9	1585	1600
		4/12/10	6.95	29.2	1579	1800
		4/12/10 DUP	6.95	29.2	1579	1800
		5/26/11	6.95	26.2	3850	1810
		5/21/12	6.58	29.2	2680	1700
		4/15/13	6.90	25.6	2880	1730
		4/14/14	7.20	25.3	1882	1780
		4/24/18	7.78	25.9	2754	1810
IW-10	508237	11/15/06	NM	NM	NM	1650
		1/16/07	7.38	23.7	1303	1670
		4/3/07	7.11	26.7	1520	1750
		7/18/07	6.78	28.3	1734	1770
		1/16/08	7.91	24.0	537	1800
		4/21/08	6.68	27.2	1338	1470
		7/23/08	6.90	28.4	1460	1740
		10/24/08	6.77	27.0	1969	1730
		1/27/09	6.64	20.7	1560	1490
		4/20/09	6.80	24.8	1607	1600
		4/12/10	6.61	26.5	1431	1700
		5/11/11	6.67	24.3	3310	1800
		5/22/12	6.78	26.9	2890	1700
		4/15/13	6.85	23.6	2980	1740
		4/14/14	6.94	23.4	3320	1820
		4/1/15	7.33	23.1	1894	1870
		8/22/16	7.18	24.8	3769	2010
		8/22/16 DUP	7.18	24.8	3769	1970
		10/3/16	7.42	23.3	3805	1930
		4/19/17	7.83	23.3	3532	1970
		4/24/18	7.67	23.9	2810	1960

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
IW-11	508235	11/21/06	NM	NM	NM	1600
		1/16/07	7.10	21.7	1516	1700
		4/9/07	6.76	26.2	1342	1760
		7/18/07	6.84	26.8	1788	1770
		1/16/08	7.15	22.3	1370	1800
		4/21/08	6.53	26	1303	1770
		4/21/08 DUP	6.53	26	1303	1850
		7/29/08	6.58	24.4	1830	1720
		10/24/08	6.89	26.3	1958	2260
		1/27/09	6.56	19.1	1540	1600
		4/20/09	6.64	25.1	1632	1600
		4/12/10	6.63	24.6	1492	1700
		5/11/11	6.51	25.0	3250	1700
		5/22/12	6.76	25.5	2810	1600
		4/15/13	6.82	23.7	2890	1730
		4/14/14	7.00	22.3	3210	1710
		4/1/15	7.31	23.2	1915	1790
		8/22/16	7.32	25.0	3660	1820
		10/3/16	7.55	24.6	3654	1780
		4/18/17	7.61	25.1	3462	1830
		4/18/17 DUP	7.61	25.1	3462	1860
		4/24/18	7.69	23.2	2642	1810
IW-12	545555	1/16/07	6.93	22.3	1444	1620
		4/17/07	6.56	25.9	1345	1630
		7/25/07	6.55	25.2	1483	1700
		1/16/08	6.87	23.4	1428	1700
		1/16/08 DUP	6.87	23.4	1428	1700
		4/11/08	6.51	27.4	1426	1580
		7/17/08	6.76	28.4	1917	1630
		10/24/08	6.81	26.5	1879	1520
		1/26/09	6.70	23.7	1792	1440
		4/20/09	6.63	26.5	1576	1500
		4/12/10	6.70	22.8	1579	1500
		5/11/11	6.74	25.8	3120	1700
		5/22/12	6.66	27.7	2640	1600
		5/14/13	6.92	27.2	2540	1500
		4/14/14	7.02	24.4	2980	1430
		4/1/15	7.39	24.2	1851	1600
		5/17/16	7.43	24.7	1920	1930
		8/22/16	7.51	27.0	3331	1640
		10/3/16	7.67	26.7	3372	1650
		4/18/17	7.73	26.7	3205	1680
IW-13	545556	4/17/07	6.81	25.8	1430	1690
		7/25/07	6.61	25.1	1560	1940
		7/25/07	6.61	25.1	1560	1780
		1/16/08	6.64	24.0	1599	1800
		4/11/08	6.61	26.8	1502	1800
		7/17/08	6.6	30	1898	1850
		10/24/08	6.70	26.1	1999	1930
		1/26/09	6.49	23.6	1951	1600
		4/20/09	6.73	27.2	1697	1700
		4/12/10	6.64	24.1	1669	1900
		5/11/11	6.70	25.3	3360	1900
		6/20/12	6.67	25.9	3450	1900
		4/15/13	6.73	24.9	3030	1760
		4/14/14	6.99	23.6	3440	1900
		4/14/14 DUP	6.99	23.6	3440	1730
		4/1/15	7.25	24.3	2910	1860
		4/1/15 DUP	7.25	24.3	2910	1930

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
IW-14	545557	11/15/06	NM	NM	NM	1820
		1/16/07	6.72	22.4	1484	1790
		1/16/07	6.72	22.4	1484	1810
		4/16/07	6.63	24.4	1383	1790
		7/25/07	6.51	24.7	1462	1910
		1/16/08	7.03	23.2	1646	1800
		4/11/08	6.49	26.8	1460	1810
		7/16/08	6.59	29.9	1901	1870
		10/24/08	6.51	26.4	1929	1840
		1/26/09	6.52	23	1869	1600
		4/20/09	6.66	27.1	1612	1700
		4/21/10	6.89	24.8	1428	1900
		5/11/11	7.54	25.7	3460	1900
		5/22/12	6.48	31.8	2620	1800
		4/15/13	6.91	24.4	3020	1870
		4/14/14	7.01	23.1	3490	1730
		4/1/15	7.24	23.7	1947	1930
		5/17/16	7.21	24.4	1922	2040
		4/18/17	7.74	26.2	3587	1980
IW-15	545558	11/15/06	NM	NM	NM	1710
		1/16/07	7.04	23.9	1420	1730
		4/16/07	6.82	27.4	1314	1740
		7/25/07	6.32	26.6	1388	1760
		1/16/08	7.07	22.3	1561	1740
		4/11/08	6.42	28.3	1395	1670
		7/15/08	6.75	31.3	1790	1730
		10/24/08	6.6	26.0	1892	1850
		1/27/09	6.86	21.8	1935	1630
		4/20/09	7.71	28.5	1302	1600
		4/20/09 DUP	7.71	28.5	1302	1700
		4/12/10	6.69	25.0	1669	1700
		5/11/11	7.54	26.2	3270	1800
		5/11/11 DUP	7.54	26.2	3270	1800
		5/22/12	6.74	29.4	2850	1800
		5/14/13	7.03	27.1	2770	1700
		4/14/14	6.98	23.9	3240	1800
		4/1/15	6.89	24.7	1927	1860
		5/17/16	7.09	25.3	1830	2010
		8/22/16	7.47	27.7	3735	1950
		10/3/16	7.73	26.1	3781	1880
		4/18/17	7.66	27.5	3429	1940
IW-16	545559	11/15/06	NM	NM	NM	1730
		1/16/07	7.18	23.8	1415	1730
		4/17/07	6.86	26.8	1320	1770
		4/17/07	6.86	26.8	1320	1790
		7/25/07	6.63	26.5	1368	1800
		1/16/08	7.07	23.3	1561	1740
		4/11/08	6.64	26.4	1404	1770
		7/15/08	6.52	31.2	1778	1840
		10/24/08	6.35	25.7	1879	1850
		1/26/09	6.44	23.9	1773	1620
		4/20/09	6.69	27.1	1347	1700
		4/12/10	6.79	25.6	1652	1800
IW-17	545560	11/15/06	NM	NM	NM	1570
		1/16/07	6.79	21.8	1402	1600
		4/16/07	6.90	26.3	1303	1670
		7/25/07	6.61	27.2	1348	1730
		1/16/08	6.74	16.5	1485	1720
		4/11/08	6.49	28.5	1398	1730
		7/15/08	6.63	31.7	1853	1770
		10/24/08	6.70	27.0	1864	1720
		1/26/09	6.41	24.1	1828	1480
		4/20/09	6.77	30.1	1332	1600
		4/12/10	6.63	26.5	1604	1700

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
IW-18	545561	11/21/06	NM	NM	NM	1610
		1/18/07	7.26	15.4	1460	1660
		4/16/07	6.80	24.9	1161	1610
		7/25/07	6.45	28.1	1293	1760
		1/14/08	6.39	21.9	1899	1700
		4/11/08	6.61	27.5	1388	1540
		7/15/08	6.71	30.2	1847	1710
		10/24/08	6.34	27.1	1883	1680
		1/26/09	6.39	24.7	1779	1460
		4/20/09	6.77	29.9	1337	1700
		4/29/10	6.63	23.7	1455	1600
IW-19	545562	11/21/06	NM	NM	NM	1570
		1/11/07	7.19	25.1	1802	1630
		4/16/07	6.69	26.7	1296	1630
		7/25/07	6.91	26.3	1310	1650
		1/10/08	6.39	22.4	1881	1800
		1/10/08 DUP	6.39	22.4	1881	1800
		4/11/08	6.62	26.3	1409	1680
		7/15/08	6.78	29.4	1807	1670
		10/24/08	6.6	28.7	1685	1710
		1/26/09	6.47	24.3	1852	1370
		4/20/09	6.82	27.9	1366	1600
		4/12/10	6.62	26.4	1570	1600
		5/11/11	6.68	26.6	3200	1700
		5/22/12	6.56	30.7	2730	1300
		5/14/13	6.85	28.7	2690	1600
		4/14/14	7.01	24.5	3170	1780
		4/1/15	7.43	23.6	1945	1910
		5/17/16	7.29	25.6	1866	1980
		10/3/16	7.67	26.0	3666	1790
		10/3/16 DUP	7.67	26.0	3666	1800
		4/18/17	7.53	26.9	3467	1890
		4/24/18	7.61	26.2	2667	1870
IW-20	545563	11/21/06	NM	NM	NM	1550
		1/11/07	7.23	26.4	2360	1630
		4/9/07	7.07	27.2	1260	1500
		7/24/07	6.69	30.8	1822	1580
		1/9/08	6.72	26.4	1710	1700
		4/11/08	6.74	27.3	1400	1560
		7/15/08	6.6	29.4	1650	1640
		10/24/08	6.81	28.6	1779	1600
		1/26/09	6.48	24.1	1837	1450
		4/20/09	6.76	30.0	1375	1500
		4/29/10	6.62	24.2	1417	1600
		5/11/11	7.07	26.3	3080	1600
		6/20/12	6.67	28.2	3080	1600
		6/17/13	7.21	31.1	1785	1900
		6/17/13 DUP	7.21	31.1	1785	1800
		4/14/14	7.04	26.2	3220	1690
		4/1/15	7.07	26.2	1977	1700

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
IW-21	545564	11/21/06	NM	NM	NM	1580
		1/11/07	7.15	27.8	1848	1620
		4/17/07	6.85	29.4	1424	1650
		7/24/07	6.68	30.6	1828	1630
		1/9/08	6.33	25.4	1975	1800
		4/11/08	6.85	24.6	1375	1610
		4/11/08 DUP	6.85	24.6	1375	1610
		7/29/08	6.49	29	1780	1670
		10/24/08	6.91	29.7	1833	1640
		1/26/09	6.59	25.7	1410	1390
		4/20/09	6.83	30.7	1422	1600
		4/12/10	6.72	28.1	1621	1700
		5/11/11	6.77	29.6	3140	1700
		6/20/12	6.65	29.2	3130	1700
		4/15/13	6.94	28.8	2840	1690
		4/14/14	7.18	28.2	3170	1720
		5/17/16	7.11	28.2	1887	1990
		5/17/16 DUP	7.11	28.2	1887	1990
		8/22/16	7.26	29.6	3520	1790
		10/3/16	7.55	29.7	3446	1700
		4/24/18	7.46	29.2	2412	1710
IW-22	200554	11/21/06	NM	NM	NM	1710
		1/23/07	6.90	22.1	1253	1660
		4/9/07	7.09	26	1325	1740
		7/18/07	6.99	28.1	1683	1790
		1/16/08	7.19	23.1	1378	1700
		4/21/08	6.53	28.7	1362	1760
		4/21/08 DUP	6.53	28.7	1362	1410
		7/23/08	6.86	28.9	1370	1760
		10/24/08	6.89	26.4	1929	1720
		1/27/09	6.58	19.9	1570	1610
		4/20/09	6.77	25.5	1635	1700
		4/12/10	6.59	25.4	1472	1800
		5/11/11	6.75	24.5	3290	1800
		5/22/12	6.72	26.6	2870	1600
		4/15/13	7.19	22.5	2990	1810
		4/14/14	7.05	22.5	3240	1620
		4/1/15	7.36	23.7	1874	1770
		5/17/16	7.41	24.3	1915	1930
		9/6/16	7.02	24.5	3595	1850
		10/3/16	7.52	24.6	3751	1730
		4/18/17	7.64	25.6	3534	1890
IW-23	200555	11/21/06	NM	NM	NM	1540
		1/23/07	6.6	22.8	1249	1640
		4/11/07	6.88	26.7	1528	1670
		7/25/07	6.49	24.7	1541	1670
		1/16/08	7.17	24.3	1303	1680
		4/21/08	6.71	28.6	1314	1710
		7/23/08	6.84	27.5	1420	1730
		10/24/08	6.81	27.9	1966	1780
		1/27/09	6.52	19.9	1963	1650
		4/20/09	6.82	25.4	1607	1700
		4/12/10	6.81	26.6	1491	1700
		5/11/11	6.83	24.6	3280	1800
		5/22/12	6.72	28.9	2700	1600
		4/15/13	6.79	24.0	2930	1800
		4/14/14	6.95	23.9	3180	1800
		4/1/15	7.35	23.7	1838	1890

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
IW-24	200556	7/18/07	6.78	29.0	1739	1790
		1/16/08	7.06	24.2	1387	1700
		4/22/08	6.68	28.7	1141	1650
		4/22/08 DUP	6.68	28.7	1141	1750
		7/23/08	6.68	30.7	1420	1730
		10/24/08	6.71	28.1	1058	1640
		1/27/09	6.43	21.3	1510	1560
		4/20/09	6.79	25.6	1604	1600
		4/20/09 DUP	6.79	25.6	1604	1500
		4/12/10	6.70	27.1	1450	1600
		5/11/11	6.76	24.6	3260	1700
		5/22/12	6.47	27.3	2800	1700
		4/15/13	6.83	24.4	2800	1900
		4/14/14	7.06	25.0	1958	1710
		4/14/14 DUP	7.06	25.0	1958	1760
		4/1/15	7.50	24.1	1732	1760
		5/17/16	7.44	24.1	1814	1920
		8/22/16	7.40	25.9	3672	1770
		10/3/16	7.63	26.1	3684	1760
		4/19/17	7.85	24.7	3475	1910
IW-25	219596	4/15/13	7.01	27.6	932	390
		4/14/14	7.56	27.9	688	348
		5/17/16	7.39	28.1	1740	1220
		5/17/16 DUP	7.39	28.1	1740	1180
		10/4/16	7.60	27.9	2927	1300
		4/19/17	7.80	29.3	2638	1320
		4/24/18	7.69	29.2	2262	1440
IW-26	219143	4/15/13	7.00	25.6	2620	1700
		4/1/15	7.53	27.3	1683	1630
		5/17/16	7.57	26.2	1720	1750
		8/22/16	7.46	27.9	3308	1670
		10/4/16	7.61	29.9	3243	1440
		4/19/17	7.85	22.0	3345	1780
		4/24/18	7.68	26.6	2664	1770
IW-27	219136	4/14/14	7.16	22.4	3210	1760
		4/1/15	7.41	25.6	1683	1670
		4/1/15 DUP	7.41	25.6	1683	1710
		5/17/16	7.46	25.3	1740	1930
		8/22/16	7.33	26.2	3593	1820
		10/3/16	7.45	25.6	3624	1790
		4/19/17	7.75	25.4	3363	1810
		4/24/18	7.60	25.7	2671	1830
IW-28	219137	4/15/13	7.03	24.2	2930	1720
		4/14/14	7.08	25.0	3230	1740
		4/1/15	7.48	25.8	1807	1730
		5/17/16	7.33	25.3	1829	1840
		8/22/16	7.43	26.9	3582	1780
		10/3/16	7.53	26.0	3583	1740
		4/19/17	7.73	25.9	3398	1860
		4/24/18	7.72	25.5	2699	1820
IW-29	222865	5/12/14	NM	NM	NM	1680
		4/1/15	7.28	26.5	1758	1750
		10/3/16	7.53	26.4	3459	1630
		4/19/17	7.80	26.1	3254	1750
		4/24/18	7.67	25.9	2606	1760

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
M-8	087390	12/6/06	7.50	25.5	380	NA
		12/6/06	7.60	NM	380	NA
		4/16/07	7.87	23.1	424	<0.5
		7/11/07	7.67	28.2	415	16.5
		1/9/08	7.68	23.7	458	50
		4/15/08	6.85	28	362	28.7
		7/25/08	7.62	27	398	24.5
		10/28/08	7.67	27.8	406	26.3
		10/28/08 DUP	7.67	27.8	406	26.2
		1/20/09	7.49	25.2	397	36.8
		5/12/09	7.62	26.8	387	29.6
		11/5/09	7.61	26.6	382	31.4
		5/28/10	7.63	26.9	448	45.1
		10/21/10	7.64	25.5	435	46.9
		6/15/11	7.57	26.1	501	59.3
		11/17/11	7.88	23.6	522	84.577
		6/29/12	7.73	27.9	417	24
		10/29/12	7.62	25.7	419	16.45
		4/17/13	7.74	27.1	567	140.61
		5/21/13	7.78	27.0	374	28.85
		10/29/13	7.61	25.6	258	18.3
		4/22/14	7.85	23.4	351	20.2
		11/4/14	7.85	25.4	445	19.6
		4/6/15	7.96	27.7	293	20.6
		8/25/16	7.81	26.4	439	36.4
		10/27/16	8.12	26.8	453	35.0
		1/17/17	8.22	25.1	417	29.8
		5/8/17	8.04	26.8	571	32.4
		7/10/17	8.02	27.4	449	34.0
		10/2/17	8.08	26.9	537	40.3
		1/9/18	8.15	26.1	956	267.0
		3/29/18	8.08	27.4	540	130
		5/9/18	7.88	27.8	477	102
M-9	501652	1/17/07	7.50[2]	26.0	460	NA
		7/11/07	7.72	27.0	334	NA
		1/8/08	6.51	25.7	533	80
		1/8/08	7.67	26.7	480.7	65
		4/14/08	7.74	27.8	422	67.2
		7/21/08	7.52	29.5	485	68.7
		10/28/08	7.66	30.3	503	74.8
		1/20/09	7.64	24.1	470	81.6
		5/13/09	7.54	27.3	487	80.2
		7/14/09	7.60	27.0	420	81.7
		6/16/10	7.63	26.6	511	77
		6/2/11	7.59	27.1	525	75
		6/27/12	7.26	27.4	581	81
		5/1/13	7.81	26.5	461	66.05
		4/22/14	7.82	26.2	550	106.00
		1/20/15	7.92	25.8	490	74.00
		4/6/15	7.83	25.3	346	57.8
		2/9/16	7.73	25.7	374	39.8
		2/9/16 DUP	7.73	25.7	374	39.1
		4/25/16	7.80	25.2	374	49.0
		8/24/16	8.64	25.3	253	10.6
		1/11/17	8.38	23.2	234	3.0
		5/8/17	8.38	24.5	198.3	<1
		7/10/17	8.30	27.9	231	<0.5
		10/2/17	8.20	27.0	279	<0.4
		1/9/18	8.33	25.4	141	1.58
		5/9/18	8.17	27.4	305	3.10

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
M-10	501653	7/19/06	NM	NM	NM	66
		1/16/07	7.90	29.0	440	NA
		4/16/07	7.97	28.2	475	72.6
		7/12/07	8.05	27.0	322	NA
		1/8/08	7.91	24.8	537	73
		4/15/08	7.99	27.6	428	81
		7/21/08	7.69	31	489	89.8
		10/28/08	8.08	28.1	521	97.1
		1/20/09	7.91	29	467	95
		5/12/09	7.77	26.9	487	97
		7/14/09	7.20	25.0	420	96
		11/5/09	7.13	30.5	479	110
		11/5/09 DUP	7.13	30.5	479	107
		5/28/10	7.83	30.1	497	121
		10/21/10	7.76	27.1	585	139
		5/10/11	7.86	28.9	641	149
		11/16/11	8.04	27.6	612	162
		6/25/12	7.61	29.8	162	162
		10/29/12	7.88	27.0	645	158
		4/17/13	7.90	28.9	618	170.32
		10/29/13	7.94	27.3	431	164
		4/22/14	8.16	25.4	585	165
		11/4/14	8.34	25.2	472	114
		1/19/15	8.48	25.9	611	151
		1/19/15 DUP	8.48	25.9	611	157
		4/6/15	8.14	28.6	560	166
		12/5/16	8.57	27.9	723	176
		1/17/17	8.70	27.4	756	202
		5/8/17	8.72	26.5	712	174
		7/10/17	8.73	28.3	493	135
		10/2/17	8.04	26.4	610	154
		10/2/17 DUP	8.04	26.4	610	154
		1/9/18	8.83	26.1	541	159
		1/9/18 DUP	8.83	26.1	541	168
		5/9/18	8.75	27.0	522	154
M-20	906595	3/22/07	7.10	27.0	3500	NA
		7/12/07	7.44	27.0	1970	NA
		1/9/08	7.15	25.6	1853	1750
		1/9/08	7.29	26.3	2878	1500
		4/14/08	7.18	27	1277	1550
		7/25/08	6.99	27.6	1857	1550
		10/28/08	7.03	28.2	1688	1660
		1/20/09	6.95	27.1	1506	1760
		5/12/09	6.88	28.0	1501	1580
		5/28/10	7.22	28.2	3050	1620
		5/9/11	7.29	27.8	2790	1710
		6/26/12	7.15	28.3	3050	1722.9
		4/23/13	7.50	26.6	2720	1801.6
		4/22/14	9.25	26.2	2590	1460
		4/22/14 DUP	9.25	26.2	2590	1440
		4/27/15	7.58	27.9	2770	1720
		4/26/16	7.67	28.0	2600	1750
		5/8/17	8.88	26.7	2892	1470
		6/21/18	7.90	28.3	1667	824

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MC-1	221660	2/4/14	7.57	25.4	3080	1620
		4/15/14	7.55	27.2	1797	1680
		7/9/14	6.97	28.2	2850	1750
		11/11/14	7.10	26.9	2970	1750
		1/12/15	7.46	26.1	2960	1660
		4/2/15	7.45	26.9	1513	1710
		7/15/15	6.51	29.1	2890	1810
		11/3/15	7.53	25.8	1587	1670
		1/5/16	7.09	25.1	1724	1730
		5/16/16	7.40	27.7	1584	1680
		8/22/16	7.38	27.8	3357	1700
		4/17/17	7.72	27.7	3156	1680
		4/26/18	7.64	27.8	2592	1680
MC-2	221761	2/4/14	7.61	25.4	2630	1330
		4/15/14	7.45	27.3	1546	1320
		7/9/14	6.93	28.6	2410	1360
		11/11/14	7.13	27.5	1922	1260
		1/12/15	7.59	26.8	1697	1200
		4/2/15	7.49	26.5	1368	1200
		7/15/15	7.59	29.4	2220	1290
		11/3/15	7.53	26.5	1497	1110
		11/3/15 DUP	7.53	26.5	1497	1120
		1/5/16	7.17	25.7	1515	1190
		5/16/16	7.56	28.1	1329	1150
		8/22/16	7.51	28.8	2502	1120
		4/18/17	7.66	29.4	2301	1010
		5/2/18	7.70	28.1	1783	1000
MC-3	221661	2/4/14	7.46	24.6	2690	1380
		4/15/14	7.68	27.9	1555	1350
		7/9/14	6.91	28.7	2480	1510
		11/11/14	7.14	27.2	2610	1440
		1/12/15	7.61	26.8	1794	1350
		4/2/15	7.52	26.7	1338	1390
		7/15/15	7.44	29.8	2400	1410
		11/4/15	7.48	25.0	1507	1370
		1/6/16	7.25	24.5	1590	1420
		5/16/16	7.57	27.9	1353	1410
		8/22/16	7.45	29.1	2831	1410
		4/17/17	7.50	26.5	1461	1370
		4/17/17 DUP	7.50	26.5	1461	1370
		6/29/18	7.77	28.4	2194	1340
MC-4	220842	2/4/14	7.11	25.9	2440	1210
		4/15/14	7.64	29.2	1437	1160
		7/9/14	6.76	29.2	2320	1300
		7/9/14 DUP	6.76	29.2	2320	1310
		11/11/14	7.06	27.9	1926	1280
		1/12/15	7.58	27.9	1665	1220
		4/2/15	7.45	27.6	1310	1230
		7/15/15	7.49	31.0	2280	1220
		11/4/15	7.48	26.3	1490	1240
		1/6/16	7.23	26.5	1547	1350
		5/16/16	7.49	28.4	1330	1340
		8/22/16	7.39	29.9	2756	1320
		4/17/17	7.46	27.4	1277	1340
		5/1/18	7.70	29.2	2157	1370

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MH-10	803636	11/8/06	NM	NM	NM	1330
		1/9/07	6.70	28.5	1717	1310
		4/3/07	6.86	30.2	1267	1360
		7/16/07	6.87	31.4	1138	1410
		1/3/08	6.41	24.8	1626	1430
		4/28/08	6.60	31	973	1460
		7/31/08	7.07	32.5	1827	1550
		11/4/08	7.02	26.0	1856	1450
		1/2/09	6.54	26.1	1798	1400
		4/14/09	6.62	28.1	1260	1260
		4/26/10	7.05	29.9	1365	1500
		4/26/10 DUP	7.05	29.9	1365	1400
		5/18/11	7.03	27.4	2900	1600
		6/5/12	6.88	29.3	2910	1500
		6/10/13	7.17	30.2	1791	1720
		4/23/14	7.05	26.8	2910	1540
		4/14/15	7.10	28.5	1389	1560
		6/8/16	7.04	28.4	1439	1560
		5/4/17	7.72	27.4	2722	1580
		4/23/18	7.63	27.2	2692	1480
MH-11	803637	1/11/07	7.33	25.0	1778	1590
		4/10/07	7.02	28.3	1327	1580
		7/17/07	6.87	28.8	1848	1650
		1/4/08	6.44	26.3	1690	1560
		4/29/08	6.48	30.2	959	1700
		7/29/08	6.97	32.2	1767	1550
		11/7/08	7.01	27.1	1350	1560
		1/16/09	7.04	27.5	1454	1400
		5/13/09	6.62	31.0	1569	1500
		4/27/10	6.61	29.3	1382	1400
		5/24/11	6.77	27.4	2650	1500
		5/30/12	6.83	30.3	2730	1440
		4/23/13	7.34	27.7	2410	1480
		4/29/14	7.12	27.6	1946	1590
		4/16/15	7.14	27.9	2060	1550
		5/18/16	7.17	27.1	2140	1810
		5/10/17	7.82	27.0	2807	1640
		5/2/18	7.58	26.8	2670	1290
MH-13A	904071	11/10/06	NM	NM	NM	1680
		1/24/07	7.87	25.0	1458	1700
		4/18/07	7.1	27.4	1609	1720
		7/17/07	6.98	28.1	1553	1760
		1/4/08	6.97	26.1	1810	1710
		4/29/08	7.09	28.8	1174	1800
		7/16/08	7.03	27.4	1824	1720
		7/16/08 DUP	7.03	27.4	1824	1710
		10/20/08	7.07	27.7	1984	1800
		1/23/09	6.84	25.1	1510	1700
		4/15/09	7.12	25.6	1643	1650
		4/21/10	7.24	25.3	1384	1700
		5/23/11	7.12	26.9	3450	1840
		6/11/12	7.10	27.6	3340	1680
		4/3/13	7.20	25.9	2870	1760
		4/10/14	10.34	22.9	1820	1190
		4/22/15	9.19	24.6	1322	1100
		4/6/16	9.25	25.4	2567	1050
		6/22/17	7.54	27.0	3641	1820

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MH-13B	904072	11/10/06	NM	NM	NM	1080
		1/24/07	8.07	25.9	1262	1100
		4/18/07	7.36	30	1396	1120
		7/17/07	7.28	28.5	1786	1150
		1/4/08	7.21	27.2	1576	1110
		4/29/08	7.26	29.6	985	1110
		7/16/08	7.42	31.5	1589	1110
		10/20/08	7.34	29.6	1627	1080
		1/23/09	7.13	26.6	1639	1130
		4/15/09	7.50	25.4	1370	1030
		4/15/09 DUP	7.50	25.4	1370	1100
		4/21/10	7.57	28.8	1100	1030
		5/23/11	7.28	28.3	2400	1090
		5/23/11 DUP	7.28	28.3	2400	1110
		6/11/12	7.24	29.1	2310	1020
		4/3/13	7.42	27.5	1818	1050
		4/10/14	9.56	25.7	1510	849
		4/22/15	9.54	26.9	1246	903
		4/6/16	9.37	27.0	1924	1220
		5/1/17	8.83	27.0	2410	1050
		5/8/18	8.62	29.4	1732	849
MH-13C	904073	11/10/06	NM	NM	NM	90
		1/24/07	9.12	22.9	450	100
		4/18/07	9.2	29.1	379	20
		7/17/07	8.78	33.8	380	20
		1/4/08	8.99	26.6	396	20
		5/7/08	8.71	30.4	363	40
		7/16/08	8.69	32.01	371	70
		10/20/08	8.90	32.8	380	60
		1/27/09	7.99	27.3	323	30
		4/15/09	8.79	25.9	421	42
		4/21/10	8.84	28.0	385	27
		5/23/11	8.65	30.4	364	43
		6/11/12	8.61	30.7	411	50
		4/3/13	8.77	28.3	340	45
		4/10/14	9.69	25.6	275	1.2
		4/22/15	9.14	26.8	211	0.78
		4/6/16	9.23	27.0	241	<0.5
		5/1/17	8.89	26.8	286.4	1.18
		5/8/18	8.69	29.7	289	24.4
MH-14	528098	4/21/15	7.35	26.6	1459	1650
		3/9/17	7.67	24.3	3276	1840
		4/3/17	7.47	26.6	2207	1360
		7/11/17	7.64	25.5	2890	1830
		10/18/17	7.75	27.4	2993	1770
		4/10/18	7.42	28.4	2572	1830
MH-15W	528093	3/9/17	7.81	22.1	3301	1800
		3/9/17 DUP	7.81	22.1	3301	1720
		4/4/17	7.39	24.1	2436	1490
		7/11/17	7.63	22.9	3220	1740
		10/19/17	7.86	24.0	3040	1830
		4/11/18	7.16	25.7	2765	1830
MH-16W	528099	11/4/14	7.76	23.3	3220	1880
		11/4/14 DUP	7.76	23.3	3220	1800
		4/21/15	7.36	23.6	1372	1830
		3/9/17	7.54	24.7	3350	1900
		4/4/17	7.68	23.5	1184	1770
		4/4/17 DUP	7.68	23.5	1184	1900
		7/11/17	7.70	25.2	3044	1930
		10/19/17	8.06	26.2	2457	1480
		4/11/18	7.27	26.9	2622	1860

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MH-25A	201528	11/13/06	NM	NM	NM	190
		1/10/07	8.09	26.0	344	10
		4/4/07	7.82	26.6	322	<10
		7/20/07	7.63	28.6	431	<10
		1/2/08	7.91	25.3	401	10
		4/25/08	7.54	27	311	30
		7/2/08	7.66	27.6	342	<10
		10/17/08	7.84	27.5	333	50
		1/5/09	7.75	24.5	336	12
		4/15/09	7.81	25.1	350	4
		4/13/10	7.76	25.3	334	9
		4/27/11	7.76	25.9	358	16
		5/1/12	7.83	27.8	376	13
		4/3/13	7.69	26.8	335	9
		4/15/14	7.92	25.0	265	17
		4/7/15	7.82	26.1	268	12.3
		4/11/16	7.87	26.0	350	9.67
		4/11/16 DUP	7.87	26.0	350	9.93
		5/2/17	8.20	25.7	349.1	10.00
MH-25B	208429	11/13/06	NM	NM	NM	1660
		1/10/07	7.54	26.1	1440	1680
		4/4/07	7.32	28.7	1333	1550
		7/20/07	7.16	28.4	1649	1760
		1/2/08	7.10	26.5	1900	1730
		4/25/08	7.05	28.6	1138	1750
		7/2/08	7.04	28.6	1851	1650
		10/17/08	7.74	28.8	1768	1660
		1/5/09	7.22	24.9	1581	1590
		4/15/09	7.25	25.2	1483	1600
		4/13/10	7.59	28.1	1120	900
		4/27/11	7.35	27.0	3050	1810
		6/15/11	7.31	29.3	3690	1700
		5/1/12	7.31	29.3	1864	1690
		4/3/13	7.46	27.9	2620	1700
		4/15/14	7.82	26.6	1714	1740
		4/7/15	8.00	27.4	1430	1580
		9/21/16	8.18	27.5	2688	1190
		5/2/17	8.32	27.1	2258	1040
		5/2/18	8.61	26.4	1787	916
MH-25C	208426	11/13/06	NM	NM	NM	1290
		1/10/07	7.46	26.3	1361	1250
		4/13/07	7.24	26	1357	1260
		7/20/07	7.13	30.2	1599	1240
		1/2/08	7.25	28.2	1608	1250
		4/25/08	7.20	30	1031	1240
		7/2/08	7.13	28.4	1736	1330
		10/17/08	7.17	30.4	1624	1270
		1/5/09	7.15	27	1466	1250
		4/15/09	7.28	26.6	1368	1270
		4/13/10	7.24	27.6	1292	1600
		4/27/11	8.41	25.1	1874	1290
		5/1/12	7.39	29.5	1667	1290
		4/3/13	7.44	28.0	1838	1270
		4/3/13 DUP	7.44	28.0	1838	1290
		4/15/14	7.87	27.6	1411	1090
		9/21/16	8.02	29.1	2577	1160
		5/2/17	8.27	29.4	2460	1210
		5/2/18	8.37	27.4	2196	1060

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MH-26A	201527	11/13/06	NM	NM	NM	10
		1/15/07	7.89	26.2	316	<10
		4/4/07	7.83	27	325	10
		7/19/07	7.80	26.9	428	20
		1/2/08	7.72	25.3	395	<10
		4/25/08	7.62	25.3	317	100
		7/2/08	7.57	27.8	337	20
		10/17/08	7.70	27.4	327	20
		1/5/09	7.65	26.4	343	13
		4/21/09	7.57	26.3	322	10
		4/13/10	7.60	26.7	332	8
		4/27/11	7.78	25.7	357	8
		4/27/11 DUP	7.78	25.7	357	9
		5/2/12	7.59	27.5	386	9
		4/4/13	7.72	27.0	350	8
		4/15/14	7.78	24.3	210	11.6
MH-26B	208427	11/13/06	NM	NM	NM	1560
		1/15/07	7.53	26.4	1310	1590
		4/4/07	7.31	30.5	1448	1620
		7/19/07	7.10	29.0	1652	1590
		7/19/07	7.10	29.0	1652	1570
		1/2/08	7.09	26.5	1849	1670
		4/25/08	6.95	28.8	1095	1630
		7/2/08	6.98	29.1	1835	1660
		10/20/08	7.16	29.2	1760	1650
		1/5/09	7.07	26.4	1661	1540
		1/5/09 DUP	7.07	26.4	1661	1500
		4/21/09	6.85	28.8	1238	1520
		4/13/10	7.27	27.3	1290	1600
		5/5/11	7.17	27.2	2910	1710
		5/1/12	7.26	29.7	1912	1680
		5/1/12 DUP	7.26	29.7	1912	1750
		4/4/13	7.26	28.4	2550	1690
		4/15/14	7.89	27.2	1661	1570
		4/7/15	8.05	27.6	1433	1650
		9/21/16	8.14	28.1	3510	1720
		5/2/17	9.86	25.8	2810	1420
		5/3/18	9.52	26.3	2120	1180
MH-26C	208428	11/13/06	NM	NM	NM	730
		1/15/07	7.89	24.6	1059	740
		4/4/07	7.58	29.5	1128	720
		7/19/07	7.55	30.5	1267	730
		7/19/07	7.55	30.5	1267	740
		1/2/08	7.68	28.2	1411	740
		4/25/08	8.58	27.8	872	580
		7/2/08	7.90	30.8	1251	720
		7/2/08 DUP	7.90	30.8	1251	720
		1/5/09	7.36	25.7	1270	680
		4/21/09	7.49	29.6	1034	660
		4/13/10	7.57	28.4	1078	770
		4/13/10 DUP	7.57	28.4	1078	780
		4/27/11	7.59	29.1	1755	810
		5/1/12	7.56	30.6	1428	820
		4/4/13	7.58	29.3	1533	880
		4/15/14	8.08	28.1	1203	909
		4/15/14 DUP	8.08	28.1	1203	908
		4/7/15	8.06	28.1	1190	970
		9/21/16	8.06	29.6	2674	1160
		5/2/17	8.82	28.7	2480	1130
		5/3/18	8.29	28.7	1959	1080
		5/3/18 DUP	8.29	28.7	1959	1130

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MH-28	903648	11/14/06	NM	NM	NM	1860
		1/9/07	7.22	25.8	2690	1920
		4/17/07	6.98	26.1	1359	1920
		7/16/07	6.89	27.1	1206	1880
		1/21/08	7.39	23.9	903	1940
		4/8/08	6.99	25.5	1852	1900
		7/1/08	6.95	26.62	3322	1680
		10/6/08	6.97	26.7	3500	1910
		1/8/09	7.05	25.7	3600	1910
		4/7/09	6.84	26.4	6300	1860
		10/13/09	6.88	25.7	1589	1800
		4/15/10	7.11	25.1	1399	1900
		10/12/10	6.99	25.3	3460	1820
		5/17/11	6.94	25.6	3380	2000
		10/4/11	7.12	25.8	1390	1800
		5/21/12	6.64	28.8	3360	1600
		10/9/12	6.97	26.8	2980	1900
		4/2/13	6.95	26.9	2930	1867.1
		10/21/13	7.78	25.3	2916	2020
		4/9/14	7.81	24.4	3365	2020
		11/4/14	7.63	24.3	3270	1940
		1/7/15	7.54	24.9	3385	2020
		4/21/15	7.36	25.2	1571	1820
		10/8/15	7.52	25.3	1610	1900
		1/13/16	7.72	24.2	1491	2130
		4/5/16	7.32	28.1	1660	1760
		8/16/16	7.55	26.3	3742	1920
		8/16/16 DUP	7.55	26.3	3742	1960
		10/26/16	7.60	27.0	3710	1950
		1/10/17	7.64	25.3	3483	1890
		4/5/17	7.70	25.6	3591	1800
		7/6/17	7.70	25.1	3679	1940
		10/11/17	7.70	25.7	2920	1960
		4/10/18	7.76	25.8	2735	1970
		8/7/18	7.56	26.8	1844	1970

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MH-29	903649	11/14/06	NM	NM	NM	1640
		1/9/07	7.47	25.8	2600	1660
		1/9/07	7.47	25.8	2600	1650
		4/17/07	7.01	25.1	1345	1690
		7/16/07	6.95	27.4	1177	1650
		1/18/08	7.17	23.5	1045	1710
		4/8/08	6.98	24.1	1580	1700
		7/1/08	6.99	25.95	3361	1730
		10/6/08	6.95	26.9	3300	1740
		1/9/09	7.03	25.7	9200	1730
		4/7/09	6.80	26.4	7700	1720
		4/7/09 DUP	6.80	26.4	7700	1700
		10/13/09	6.95	25.0	1421	1600
		10/13/09 DUP	6.95	25.0	1421	1700
		4/15/10	6.99	24.9	1358	1700
		10/12/10	7.04	23.9	3290	1520
		4/20/11	6.98	26.0	2950	1790
		4/20/11 DUP	6.98	26.0	2950	1770
		10/4/11	6.91	25.3	1765	1600
		5/21/12	6.62	26.6	3210	1600
		10/9/12	6.97	26.3	2710	1700
		4/2/13	7.06	24.9	2750	1707.1
		12/11/13	7.31	24.3	1645	1770
		4/9/14	7.28	23.6	3176	1800
		11/4/14	7.36	23.6	3260	1870
		1/7/15	7.36	23.7	3310	1790
		1/7/15 DUP	7.36	7.0	3310	1940
		4/21/15	7.54	25.6	1368	1700
		3/9/17	7.54	22.7	3390	1900
		4/5/17	7.53	23.9	3436	1800
		7/6/17	7.56	24.3	3530	1870
		7/6/17 DUP	7.56	24.3	3530	1850
		10/11/17	7.43	24.5	2843	1880
		10/11/17 DUP	7.43	24.5	2843	1880
		4/10/18	7.54	24.0	2573	1920
		8/7/18	7.45	24.3	2118	2020
MH-30	903884	11/10/06	NM	NM	NM	1690
		1/9/07	7.33	26.2	2780	1760
		4/9/07	7.3	27.3	1529	1810
		7/11/07	7.18	31.9	1694	1820
		1/18/08	7.13	28.5	1147	1830
		4/8/08	7.27	27.1	1505	1830
		7/1/08	7.02	30.73	3740	1660
		10/6/08	6.95	29.8	3900	1810
		1/7/09	7.12	28	3600	1840
		4/7/09	6.81	29.5	3400	1790
		4/7/09 DUP	6.81	29.5	3400	1800
		4/15/10	6.96	28.9	1697	1480
		5/17/11	6.95	27.5	3360	1760
		5/17/11 DUP	6.95	27.5	3360	1750
		4/26/12	7.05	28.1	1618	1738
		6/6/13	7.26	29.5	2630	1760
		6/6/13 DUP	7.26	29.5	2630	1800
		4/8/14	7.20	27.7	3242	1720
		4/21/15	7.33	28.6	1574	1750
		4/5/16	7.24	28.6	1827	1910
		4/5/16 DUP	7.24	28.6	1827	1830
		6/1/17	7.44	29.1	3551	1780
		4/11/18	7.37	28.8	2843	1860

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MO-2007-1A	907342	8/8/07	7.17	29.0	370	19.2
		1/24/08	7.83	24.0	370	20
		4/9/08	7.42	24.1	383	21
		7/14/08	7.41	27.9	359	16.6
		10/17/08	7.46	27.7	357	17.9
		1/16/09	7.31	22.6	365	18.1
		4/1/09	7.55	26.5	387	18.2
		7/1/09	7.64	28.5	361	16.3
		10/22/09	7.53	26.4	360	16.6
		10/22/09 DUP	7.53	26.4	360	16.6
		4/16/10	7.52	26.7	357	18.5
		10/13/10	7.51	27.5	372	16
		5/5/11	7.51	27.4	401	17.9
		10/6/11	7.79	23.4	371	16.143
		6/12/12	7.40	27.9	371	16.98
		10/24/12	7.69	25.1	368	16.5
		4/8/13	7.55	25.6	363	17.92
		10/23/13	7.72	26.2	246	16.2
		4/29/14	7.73	25.6	278	16.2
		11/12/14	7.72	25.9	303	16.1
		11/12/14 DUP	7.72	25.9	303	16.8
		4/22/15	7.76	26.7	273	18.5
		10/20/15	7.73	26.1	394	18.2
		4/7/16	7.71	25.9	324	18.6
		10/5/16	7.86	27.2	388	17.2
		3/22/17	7.80	26.7	384.7	18.2
		6/6/17	7.75	27.4	393	18.6
		10/5/17	7.87	26.9	363	17.0
		10/5/17 DUP	7.87	26.9	363	16.6
		4/12/18	8.17	26.8	307	17.2
		4/12/18 DUP	8.17	26.8	307	17.0
MO-2007-1B	907210	8/2/07	7.41	30.7	321	18.9
		1/24/08	7.78	26.9	375	30
		4/9/08	7.70	23.1	400	35
		7/14/08	7.68	26.6	402	39.8
		10/17/08	7.56	28.1	423	54.3
		1/16/09	7.49	28.2	427	69.7
		4/1/09	7.78	26.4	511	84.1
		7/1/09	7.57	30.1	527	99
		10/22/09	7.63	28.5	600	143
		4/16/10	7.59	26.9	663	212
		10/13/10	7.46	28.7	1026	337
		10/13/10 DUP	7.46	28.7	1026	360
		5/5/11	7.42	28.6	1214	479
		10/6/11	7.84	24.8	1178	604.67
		10/6/11 DUP	7.84	24.8	1178	614.84
		6/12/12	6.99	29.0	1664	766.0
		10/24/12	7.56	26.2	1460	975.8
		4/8/13	7.57	26.5	1577	873.7
		10/23/13	8.51	26.3	971	806
		4/29/14	8.86	26.3	1522	1070
		11/12/14	8.81	26.2	1409	885
		4/22/15	8.88	26.9	1136	987
		4/22/15 DUP	8.88	26.9	1136	1000
		10/20/15	8.91	26.8	1320	990
		10/5/16	8.88	27.5	2067	948
		3/22/17	8.20	27.8	2264	985
		6/6/17	8.50	27.6	1906	886
		10/5/17	8.32	27.5	1932	950
		4/12/18	8.28	27.3	1306	713

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MO-2007-1C	907209	7/31/07	7.35	27.9	523	112
		1/24/08	7.84	26.9	520	140
		4/9/08	7.57	27.3	596	149
		4/9/08 DUP	7.57	27.3	596	153
		7/14/08	7.64	31.4	608	165
		10/21/08	7.80	29.8	573	146
		1/16/09	7.17	27.5	652	233
		1/16/09 DUP	7.17	27.5	652	218
		4/1/09	7.66	27.1	700	229
		7/1/09	7.33	30.8	367	236
		7/1/09 DUP	7.33	30.8	367	227
		10/22/09	7.66	28.1	356	301
		4/16/10	7.66	28.5	730	320
		10/13/10	7.72	29.1	1004	377
		4/20/11	7.28	29.2	1009	381
		10/6/11	8.10	25.9	942	393.94
		6/12/12	7.05	29.5	1085	406.4
		10/24/12	8.40	26.5	694	239.2
		10/24/12 DUP	8.40	26.5	694	235.26
		4/8/13	7.88	26.4	1017	416.3
		10/23/13	8.47	27.9	463	132
		4/29/14	8.49	26.8	610	240
		4/29/14 DUP	8.49	26.8	610	247
		11/12/14	9.18	27.1	284	92.7
		4/22/15	8.89	26.3	229	42.4
		10/20/15	9.88	27.0	319	5.75
		3/22/17	9.65	28.4	271.0	318
		6/6/17	8.47	27.6	811	288
		10/5/17	8.27	28.3	419	152
		4/12/18	8.20	27.5	249	29.6
MO-2007-2	906765	6/14/07	7.05	32.2	1372	591
		8/9/07	7.11	32.2	1271	520
		1/22/08	7.48	30.9	757	530
		4/17/08	7.32	29.8	818	473
		7/14/08	7.11	31.3	987	472
		7/14/08 DUP	7.11	31.3	987	446
		1/16/09	7.27	30.6	1200	456
		4/1/09	7.34	28.5	922	458
		4/13/10	7.17	30.3	855	439
		4/13/10 DUP	7.17	30.3	855	450
		4/27/11	7.27	28.7	1249	507
		4/27/11 DUP	7.27	28.7	1249	503
		5/2/12	7.30	31.8	1245	543.50
		4/8/13	7.34	30.1	1164	455.7
		4/9/14	8.12	30.0	608	254
		4/9/14 DUP	8.12	30.0	608	248
		4/7/15	7.56	28.1	510	255
		4/20/17	8.50	30.6	748	245
		4/19/18	7.92	27.3	973	371

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MO-2007-3B	906816	1/21/08	7.94	26.5	353	40
		4/16/08	7.77	28.2	322	37
		7/14/08	7.70	30.2	338	37.8
		10/22/08	7.69	28.1	379	42.4
		10/22/08 DUP	7.69	28.1	379	41.6
		1/19/09	7.82	28.1	342	36.9
		1/19/09 DUP	7.82	28.1	342	36.4
		4/1/09	7.89	25.7	376	38.2
		7/27/09	7.78	28.2	353	37.2
		10/22/09	7.76	28.0	354	39.1
		1/20/10	7.97	27.6	328	37.9
		4/14/10	7.83	28.6	336	40.4
		7/21/10	7.86	27.7	372	38.7
		10/26/10	7.78	26.6	361	39.1
		1/18/11	7.83	27.3	353	38.2
		5/4/11	7.81	29.3	359	38.1
		7/6/11	7.75	30.2	362	38.3
		10/5/11	8.04	25.7	395	37.822
		11/22/11	8.00	26.1	286	36.7
		1/11/12	7.55	27.0	211	39.0
		5/8/12	7.88	30.8	329	37.64
		8/7/12	7.88	29.1	419	36.26
		10/10/12	7.94	28.1	390	37.01
		1/8/13	8.10	27.0	374	33.77
		4/9/13	8.01	25.5	329	37.54
		5/21/13	8.17	26.9	284	26.96
		8/27/13	8.59	27.8	204	3.47
		8/27/13 DUP	8.59	27.8	204	4.13
		10/24/13	8.03	26.1	279	33.8
		10/24/13 DUP	8.03	26.1	279	33.9
		1/7/14	8.11	24.6	230	2.16
		4/16/14	8.91	25.0	153	<0.5
		7/9/14	8.98	26.1	155	<0.5
		11/13/14	9.40	25.7	167	<0.5
		1/21/15	9.07	25.7	259	<0.5
		4/27/15	8.58	26.3	278	<0.5
		7/7/15	8.46	26.6	274	1.37
		10/21/15	9.10	25.8	207	<0.5
		1/4/16	8.92	24.6	242	8.41
		4/11/16	8.25	26.6	436	11.5
		7/6/16	8.19	26.6	290	3.74
		8/24/16	9.14	26.4	233	<0.5
		10/5/16	8.38	27.3	422	34.9
		10/5/16 DUP	8.38	27.3	422	34.3
		1/10/17	8.88	26.0	229	<0.5
		1/10/17 DUP	8.88	26.0	229	<0.5
		5/3/17	8.82	26.7	260.0	<0.5
		7/12/17	8.99	27.0	221	<0.5
		10/9/17	8.25	27.9	472	37.5
		1/10/18	8.29	25.5	243	<0.4
		4/17/18	8.45	27.9	397	39.1
		8/8/18	8.07	28.2	346	39.0

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MO-2007-3C	906817	6/28/07	7.93	32.2	570	136
		1/21/08	8.21	27.6	507	130
		4/15/08	7.87	30.1	477	127
		7/17/08	7.98	32.7	493	126
		10/21/08	8.07	32.9	519	103
		1/19/09	8.00	30.7	490	113
		4/1/09	8.09	28.3	541	115
		7/22/09	8.07	31.4	510	107
		10/22/09	8.01	29.8	488	108
		1/20/10	8.20	26.2	469	103
		4/14/10	8.07	30.9	465	110
		7/21/10	8.05	30.4	511	101
		10/26/10	7.92	29.5	471	104
		1/18/11	8.06	29.1	492	106
		5/4/11	8.11	30.4	504	107
		7/6/11	8.02	32.5	248	101
		10/5/11	8.28	29.3	524	96.818
		1/11/12	7.92	29.4	283	104.03
		5/7/12	8.10	30.3	440	95.99
		8/7/12	7.93	30.7	553	93.25
		10/10/12	8.04	29.4	487	99.13
		1/8/13	8.09	26.5	431	62.35
		1/8/13 DUP	8.09	26.5	431	62.62
		4/9/13	8.35	28.2	432	89.78
		8/27/13	8.81	29.6	324	47.00
		10/24/13	8.43	27.4	313	79.0
		1/7/14	8.64	25.1	312	56.9
		4/16/14	9.38	26.4	259	35.6
		7/9/14	8.73	26.5	418	32.1
		11/13/14	9.33	26.6	277	20.2
		1/21/15	9.12	27.6	446	68.5
		1/21/15 DUP	9.12	27.6	446	70.3
		4/27/15	8.40	26.7	282	40.1
		7/7/15	7.60	27.7	315	35.2
		10/21/15	9.42	26.0	360	27.9
		1/4/16	9.28	25.6	387	30.3
		4/11/16	8.23	26.5	354	28.1
		7/6/16	7.69	27.5	359	21.8
		8/24/16	9.89	26.1	422	18.7
		10/5/16	9.79	27.5	428	28.4
		1/10/17	9.90	25.6	384	28.6
		5/3/17	9.07	27.4	359.8	30.0
		7/12/17	9.03	29.4	447	49.9
		10/9/17	9.14	26.2	467	45.1
		1/11/18	9.35	25.2	390	27.2
		4/17/18	8.97	27.4	353	36.5
		8/8/18	8.74	26.4	364	39.3

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MO-2007-4A	907213	1/22/08	7.82	25.0	405	40
		4/16/08	7.65	25.8	372	33.1
		7/18/08	7.44	27.4	416	35.3
		10/22/08	7.58	26.9	420	40.1
		1/19/09	7.52	28	392	35.9
		4/2/09	7.85	26.8	393	36.7
		4/2/09 DUP	7.85	26.8	393	36.5
		7/1/09	7.55	26.4	395	36.3
		10/26/09	7.64	27.2	378	35.7
		1/26/10	7.66	25.7	356	36.0
		4/14/10	7.63	25.2	379	37.0
		7/21/10	7.54	26.9	420	34.9
		10/13/10	7.55	26.1	414	35.2
		1/19/11	7.61	25.8	403	35.8
		5/4/11	7.57	26.5	411	35.9
		7/6/11	7.47	27.4	417	35.3
		10/5/11	7.82	24.1	435	34.47
		1/17/12	7.54	24.5	274	37.55
		5/7/12	7.49	24.7	381	35.62
		8/13/12	7.53	26.5	378	35.33
		10/23/12	7.48	27.2	380	94.87
		2/21/13	7.53	28.6	337	33.48
		4/10/13	7.82	26.0	319	34.69
		7/10/13	7.68	25.3	347	36.60
		10/22/13	7.81	23.5	282	35.0
		1/10/14	7.73	23.7	281	35.4
		4/8/14	7.65	24.6	353	34.9
		7/8/14	7.52	24.8	465	34.6
		11/12/14	7.71	24.6	404	34.3
		1/14/15	7.71	24.8	404	34.4
		4/15/15	7.59	25.3	374	39.7
		4/15/15 DUP	7.59	25.3	374	39.1
		7/8/15	7.28	25.5	470	40.2
		7/8/15 DUP	7.28	25.5	470	40.1
		10/22/15	7.72	25.2	410	39.3
		1/4/16	7.21	24.6	488	35.5
		4/7/16	7.30	24.7	438	41.1
		7/5/16	7.42	25.7	489	41.7
		8/24/16	7.74	25.3	497	41.5
		8/24/16 DUP	7.74	25.3	497	42.1
		10/25/16	7.75	25.2	453	39.2
		1/12/17	7.90	24.3	438	38.8
		1/12/17 DUP	7.90	24.3	438	38.8
		5/3/17	7.91	25.1	464	38.5
		7/13/17	7.81	25.7	438	33.8
		7/13/17 DUP	7.81	25.7	438	33.7
		10/10/17	7.89	25.5	418	34.7
		1/15/18	7.93	25.1	350	32.8
		4/16/18	8.00	25.0	374	35.3
		8/9/18	7.87	25.5	388	35.2

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MO-2007-4B	907212	1/7/08	7.69	25.5	445	NA
		4/16/08	7.66	26.9	343	33.6
		7/18/08	7.57	29.2	391	34.8
		7/18/08 DUP	7.57	29.2	391	35.1
		10/22/08	7.73	30.8	407	34.7
		1/21/09	7.71	27.3	377	32.9
		4/2/09	7.93	28.3	363	34.6
		7/1/09	7.64	27.8	370	34.7
		10/26/09	7.68	28.7	348	34.5
		1/26/10	7.74	23.7	332	34.1
		4/14/10	7.76	25.1	342	35.1
		7/21/10	7.71	30.2	379	34
		7/21/10 DUP	7.71	30.2	379	34.9
		10/13/10	7.69	28.1	378	34.2
		1/19/11	7.73	26.9	367	34.6
		1/19/11 DUP	7.73	26.9	367	34.4
		5/4/11	7.72	28.1	379	34.5
		7/6/11	7.73	28.0	381	34.4
		10/5/11	8.01	27.6	401	34.194
		10/5/11 DUP	8.01	27.6	401	33.36
		1/17/12	7.81	26.7	259	33.14
		5/7/12	7.83	29.0	342	34.25
		8/13/12	7.75	28.2	353	34.02
		10/23/12	7.72	27.9	364	34.37
		2/21/13	7.75	25.7	299	32.01
		4/10/13	8.06	24.7	312	33.31
		7/10/13	8.48	25.9	200	4.51
		10/22/13	8.86	24.4	142	<0.5
		1/10/14	8.83	23.6	185	<0.5
		4/8/14	8.90	24.6	165	<0.5
		7/8/14	8.75	25.3	220	<0.5
		11/12/14	8.72	25.7	405	29.1
		1/14/15	8.30	25.8	256	16.8
		4/15/15	7.88	26.6	337	35.1
		7/8/15	7.64	25.9	297	16.6
		10/22/15	7.87	25.7	266	0.85
		1/4/16	8.13	25.0	259	<0.5
		1/4/16 DUP	8.13	25.0	259	<0.5
		4/7/16	8.25	25.8	241	1.10
		7/5/16	7.69	26.0	380	8.73
		8/24/16	8.80	25.8	244	3.06
		10/25/16	8.75	26.0	221.8	<0.5
		10/25/16 DUP	8.75	26.0	221.8	<0.5
		1/12/17	8.49	24.2	237	3.35
		5/3/17	8.52	25.4	290.0	5.02
		7/13/17	8.86	25.7	221	<0.5
		10/10/17	8.97	26.3	289	<0.4
		1/15/18	8.39	26.4	370	37.2
		4/16/18	8.10	25.9	242	18.6
		8/9/18	8.48	26.5	203	7.85

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MO-2007-4C	907211	8/16/07	7.62	35.2	472	78.7
		1/22/08	8.33	27.3	465	80
		4/16/08	8.19	29.9	420	80
		7/18/08	8.27	31.9	467	78.6
		10/22/08	8.45	31.8	467	85.9
		1/21/09	8.84	29.1	467	78.5
		4/2/09	8.48	30.3	444	81
		7/1/09	8.25	31.1	446	82.7
		10/26/09	8.22	30.5	427	83.9
		10/26/09 DUP	8.22	30.5	427	83.8
		1/26/10	8.40	30.0	409	83.2
		4/14/10	8.11	27.6	423	87.7
		7/21/10	8.23	32.4	467	85.6
		10/13/10	8.19	31.1	462	86.5
		1/19/11	8.21	28.9	447	87.6
		5/4/11	8.27	30.1	468	88.1
		7/6/11	8.17	30.8	468	85
		10/5/11	8.43	30.0	505	89.355
		1/12/12	8.52	29.5	329	92.92
		5/7/12	8.32	30.6	439	91.70
		8/13/12	8.31	28.8	451	91.22
		8/13/12 DUP	8.31	28.8	451	91.48
		10/23/12	8.86	28.5	436	94.65
		2/21/13	7.97	28.4	384	90.93
		4/10/13	8.46	29.3	362	93.24
		7/10/13	8.59	26.6	344	66.70
		10/22/13	9.51	25.6	292	63.1
		1/10/14	9.64	24.2	310	63.4
		4/8/14	9.52	26.2	344	61.8
		7/8/14	9.60	26.4	446	55.4
		11/12/14	9.36	25.8	357	52.9
		1/14/15	9.79	26.3	448	65.0
		4/15/15	8.15	27.9	388	77.3
		7/8/15	8.10	26.6	439	64.3
		10/22/15	9.64	26.2	446	56.1
		1/4/16	9.20	24.6	479	59.9
		4/7/16	8.97	25.9	433	58.4
		7/5/16	7.92	26.7	489	54.3
		8/24/16	9.83	26.0	462	53.7
		10/25/16	9.71	27.2	512	62.3
		1/12/17	9.18	25.6	496	55.6
		5/3/17	9.17	26.2	515	52.3
		7/13/17	9.15	26.4	511	53.0
		10/10/17	8.55	25.9	566	50.6
		1/15/18	9.16	25.5	486	48.5
		1/15/18 DUP	9.16	25.5	486	48.3
		4/16/18	8.08	26.2	425	48.8
		8/9/18	8.89	27.5	412	56.4

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MO-2007-5B	907456	1/7/08	7.96	26.7	1138	NA
		4/17/08	7.94	27.7	877	390
		7/24/08	7.86	31.1	1040	343
		10/23/08	7.87	26.8	1086	412
		1/21/09	7.92	29.4	1049	400
		4/2/09	8.15	30.6	958	366
		1/25/10	7.98	28.8	1010	462
		4/27/10	7.90	29.3	987	427
		12/10/10	7.92	27.1	1215	454
		6/24/11	7.98	31.0	1199	513
		11/21/11	7.98	27.2	1249	494.3
		6/20/12	7.62	30.0	1465	519.3
		11/6/12	7.53	26.6	1420	453.9
		6/12/13	8.07	27.8	1036	430
		10/24/13	7.89	26.4	783	430
		4/29/14	8.19	27.4	1018	447
		10/15/14	8.90	26.4	924	440
		4/28/15	8.04	27.7	1330	502
		4/12/16	7.73	27.3	1351	413
		9/21/16	8.62	27.2	1454	511
		10/26/16	8.38	26.9	1379	463
		5/2/17	9.07	27.5	1352	460
		7/12/17	8.89	26.6	1220	429
		10/4/17	8.77	26.7	1211	465
		4/18/18	8.43	29.0	1284	529
MO-2007-5C	907457	8/23/07	7.46	31.4	780	248
		1/7/08	8.26	27.0	851	NA
		4/17/08	8.34	29.7	680	259
		7/24/08	8.30	31.3	746	233
		10/23/08	9.11	30.2	728	257
		1/23/09	9.30	21.1	710	222
		5/13/09	7.64	31.4	715	235
		10/27/09	7.55	30.1	651	238
		4/27/10	7.17	32.3	663	245
		4/27/10 DUP	7.17	32.3	663	248
		12/10/10	7.95	30.5	709	251
		5/24/11	7.76	29.7	682	238
		11/21/11	8.58	26.4	780	235.98
		6/18/12	8.35	30.0	816	238.89
		11/6/12	8.43	26.3	763	262.57
		6/13/13	8.88	25.8	704	251
		11/12/13	8.86	26.1	653	210
		5/6/14	8.92	26.2	565	183
		10/15/14	9.34	25.5	591	155
		4/29/15	9.25	26.9	710	167
		9/21/16	10.76	27.7	730	74.4
		10/26/16	9.85	27.1	726	80.6
		5/2/17	9.85	28.1	791	106
		5/2/17 DUP	9.85	28.1	791	110
		7/12/17	9.04	26.3	787	116
		10/4/17	9.10	28.6	760	133
		4/18/18	9.60	28.0	582	144

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MO-2007-6A	907607	1/22/08	7.84	26.5	380	30
		1/22/08 DUP	7.84	26.5	380	30
		4/18/08	7.61	27.2	346	20.5
		7/24/08	7.47	28.3	390	16.9
		10/23/08	7.49	25.8	388	18.6
		1/22/09	7.48	26.2	364	26.9
		4/2/09	7.88	25.5	378	23.7
		7/22/09	7.47	29.5	373	19.8
		10/26/09	7.52	27.9	349	23.5
		1/20/10	7.66	26.2	343	24.6
		4/21/10	7.59	27.3	375	34.7
		8/10/10	7.86	31.2	386	26.8
		10/26/10	7.74	28.3	381	33.9
		1/18/11	7.71	26.7	376	30.2
		5/5/11	7.59	29.0	384	29.2
		7/7/11	7.72	29.1	397	36.6
		7/7/11 DUP	7.72	29.1	397	37.1
		10/6/11	8.05	25.8	402	34.109
		1/11/12	7.47	26.8	234	43.51
		1/11/12 DUP	7.47	26.8	234	42.97
		6/12/12	7.65	28.2	389	34.98
		8/13/12	7.84	29.2	362	36.91
		10/18/12	7.77	28.8	368	30.42
		1/8/13	7.70	27.6	354	25.17
		4/9/13	8.04	28.5	329	32.44
		4/9/13 DUP	8.04	28.5	329	32.94
		7/10/13	8.20	27.9	270	18.30
		10/22/13	8.44	28.0	153	10.4
		1/6/14	8.24	36.5	330	19.3
		4/9/14	8.71	26.6	210	5.74
		7/8/14	8.15	28.3	370	10.6
		12/2/14	8.30	27.0	326	18.3
		12/2/14	8.30	27.0	326	18.3
		1/8/15	8.04	26.7	176	13.5
		4/16/15	7.89	27.0	314	19.6
		7/2/15	7.77	29.3	414	28.8
		7/2/15 DUP	7.77	29.3	414	28.6
		10/19/15	8.03	28.3	340	17.4
		4/6/16	7.89	27.9	262	8.26
		7/5/16	8.32	28.8	460	6.74
		10/25/16	8.51	27.8	250	4.22
		1/11/17	8.48	27.4	283	7.15
		5/3/17	8.78	27.4	321.4	4.32
		7/13/17	8.67	28.3	267	3.57
		10/11/17	8.45	28.4	357	5.73
		1/11/18	8.65	25.9	231	7.33
		4/17/18	8.21	26.9	316	7.75
		8/13/18	8.34	28.3	281	6.63

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MO-2007-6B	907606	1/21/08	8.13	29.8	467	80
		4/17/08	8.09	29.9	453	90.4
		7/24/08	8.00	33.8	473	81.5
		10/23/08	8.01	28.9	446	63.2
		1/22/09	7.45	29.9	443	84.5
		4/2/09	8.08	27.7	444	75.7
		7/22/09	7.86	32.7	427	63.5
		10/26/09	7.90	30.5	398	62.1
		1/20/10	8.05	27.4	406	69.7
		4/21/10	7.95	29.5	380	57.9
		4/21/10 DUP	7.95	29.5	380	57.9
		8/10/10	7.86	31.2	438	68.8
		8/10/10 DUP	7.86	31.2	438	68.6
		10/26/10	7.89	30.8	399	57.7
		1/18/11	7.85	30.4	396	58.5
		5/5/11	7.84	32.8	404	57.2
		7/7/11	7.88	32.8	405	57.5
		10/6/11	8.08	27.0	405	55.342
		1/11/12	7.57	29.9	235	57.78
		6/12/12	7.62	31.5	399	55.99
		8/13/12	7.61	32.2	374	56.54
		10/18/12	7.82	29.8	383	50.70
		1/8/13	7.68	27.2	380	37.31
		4/9/13	8.03	29.8	361	54.72
		7/10/13	8.80	28.1	306	42.00
		10/22/13	8.79	29.6	261	65.6
		10/22/13 DUP	8.79	29.6	261	66.8
		1/6/14	9.16	26.4	510	91.5
		4/9/14	9.04	27.3	310	85.7
		7/8/14	9.13	28.7	520	89.2
		12/2/14	8.88	26.6	322	82.3
		1/8/15	8.76	27.3	294	84.2
		4/16/15	9.03	26.0	303	64.3
		7/2/15	8.67	26.4	443	NS
		8/17/16	9.39	29.0	370.0	28.5
		10/25/16	9.48	28.8	306	12.5
		1/11/17	9.38	28.5	350	12.3
		5/3/17	8.91	28.1	306.1	13.6
		7/13/17	9.12	28.5	393	22.9
		10/10/17	8.84	29.4	418	31.2
		1/11/18	9.10	27.3	317	23.7
		4/17/18	8.51	30.1	407	54.0
		8/13/18	8.49	29.3	310	24.5

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MO-2009-1	910458	4/24/09	7.23	31.3	397	62.1
		7/29/09	8.18	32.9	495	97.7
		7/29/09 DUP	8.18	32.9	495	96.4
		11/3/09	8.17	29.5	513	109
		1/25/10	8.23	29.2	481	82.1
		4/20/10	8.21	30.4	467	99
		8/10/10	8.23	31.4	528	109
		12/15/10	8.29	29.0	504	95
		12/15/10 DUP	8.29	29.0	504	94
		2/2/11	8.69	26.9	432	92
		6/16/11	8.30	32.7	468	102
		8/31/11	8.33	31.1	560	108
		12/1/11	8.57	28.9	479	91.82
		1/11/12	8.18	29.9	292	93.84
		5/9/12	8.47	25.8	479	97.69
		8/15/12	8.47	32.7	454	102.4
		11/29/12	8.64	26.5	480	94.26
		1/8/13	8.79	27.0	522	98.57
		4/10/13	8.67	29.8	403	105.80
		7/11/13	8.67	27.9	450	118.00
		10/16/13	8.62	27.6	526	115
		1/6/14	9.68	24.4	451	89.3
		4/24/14	8.55	29.8	499	98.2
		7/8/14	9.25	26.8	493	81.1
		7/8/14 DUP	9.25	26.8	493	87.1
		12/2/14	8.69	27.3	353	89.8
		1/13/15	8.90	26.7	226	31.2
		4/15/15	8.44	27.3	488	104.0
		7/7/15	8.73	27.6	494	78.1
		10/20/15	9.37	25.6	584	68.9
		1/6/16	8.21	24.3	419	41.7
		4/12/16	8.55	27.1	521	23.5
		7/5/16	8.67	27.4	544	30.3
		10/26/16	9.30	26.0	243	17.1
		1/12/17	8.59	26.1	363	29.7
		5/4/17	8.83	26.6	298.4	13.7
		5/4/17 DUP	8.83	26.6	298.4	13.6
		7/12/17	8.97	26.5	327	20.2
		10/4/17	8.81	25.9	291	40.3
		1/18/18	8.83	26.6	352	33.7
		4/18/18	8.64	28.5	472	103
		4/18/18 DUP	8.64	28.5	472	101
		8/8/18	8.84	26.6	373	66.7
MW-2016-5A	919635	8/10/16	7.59	26.2	394.4	27
		10/6/16	7.83	26.7	381	24.1
		1/11/17	7.85	25.9	408.2	27.6
		5/9/17	8.00	26.1	383.1	28.6
		7/11/17	8.03	26.7	435	22.2
		7/11/17 DUP	8.03	26.7	435	22.1
		10/3/17	8.02	26.4	362	22.5
		1/10/18	7.93	25.4	351	25.9
		5/10/18	8.30	26.7	336	22.8
		5/10/18 DUP	8.30	26.7	336	22.8
		8/13/18	7.90	26.9	319	22.1
MW-2016-5B	919472	8/4/16	7.82	29.4	373.4	46
		10/6/16	8.18	28.2	438	63.3
		1/11/17	8.07	27.5	433	59.6
		5/31/17	9.14	26.8	354	45.4
		7/11/17	8.81	27.6	354	51.1
		10/3/17	8.66	27.7	465	56.1
		1/10/18	8.42	26.3	350	49.3
		5/10/18	8.41	27.8	298	41.9
		8/13/18	8.40	27.9	403	58.7

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MW-2016-6	919676	8/16/16	7.59	28.4	1236	490
		10/6/16	7.85	28.2	714	234
		1/11/17	7.83	26.4	432	67
		5/9/17	8.54	28.1	876	228
		7/10/17	9.03	27.8	474	117
		10/3/17	8.32	28.5	718	127
		1/10/18	8.25	26.0	302	60.8
		5/10/18	8.26	27.7	496	61.2
		8/13/18	8.14	28.3	399	77.1
NP-2	605898	6/4/07	7.20	25.9	411	41.2
		7/18/07	7.30	23.2	816	NA
		6/4/07	7.20	25.9	411	41.2
		8/13/07	7.16	26.0	441	41.7
		1/11/08	7.60	25.0	760	43.5
		1/11/08 DUP	7.60	25.0	760	43.8
		4/17/08	7.34	25.4	379	40
		4/17/08 DUP	7.34	25.4	379	33
		7/11/08	7.62	25.9	455	40.5
		10/6/08	7.57	25.1	405	39.7
		2/9/09	7.61	25.3	337	42.4
		4/24/09	6.89	24.6	510	32.1
		9/17/09	6.68	26.6	414	40
		12/31/09	7.60	23.6	387	40.7
		2/17/10	6.35	24.7	450	42.0
		2/17/10 DUP	6.35	24.7	450	42.0
		4/22/10	7.25	23.49	447	41.9
		8/5/10	7.67	26.0	429	41.2
		10/25/10	7.66	25.3	446	41.4
		1/19/11	7.69	25.5	402	41.9
		5/3/11	7.84	25.3	413	43.5
		7/18/11	7.72	25.8	431	44.8
		7/18/11 DUP	7.72	25.8	431	44.6
		12/5/11	8.11	23.1	396	58.63
		3/21/12	7.86	24.9	337	64.11
		6/18/12	7.83	26.9	463	64.90
		8/15/12	8.01	26.3	357	65.72
		11/29/12	8.02	24.1	396	70.13
		2/20/13	7.94	23.6	376	69.34
		6/17/13	7.96	25.6	379	71.6
		8/27/13	7.82	25.4	337	64.3
		10/30/13	7.57	24.5	264	59.6
		1/7/14	7.57	23.7	329	63.0
		4/23/14	7.80	24.7	410	55.2
		7/1/14	7.59	24.6	448	48.1
		10/13/14	7.98	25.3	370	41.1
		10/13/14 DUP	7.98	25.3	370	41.3
		1/14/15	8.08	24.8	426	42.9
		8/23/16	7.84	26.0	468	45.9
		12/5/16	7.90	25.3	489	38.6
		1/16/17	8.03	23.7	406	38.2
		5/23/17	7.87	23.7	401	30.2
		5/23/17 DUP	7.87	23.7	401	30.2
		8/8/17	7.86	25.9	443	46.2
		8/8/17 DUP	7.86	25.9	443	46.1
		10/26/17	8.02	25.7	425	43.0
		4/4/18	7.80	26.4	362	41.1
		9/5/18	8.03	26.1	394	44.5

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
PS-1	220861	2/3/14	7.21	24.7	2600	1310
		4/14/14	7.56	27.1	1461	1250
		7/9/14	6.71	27.4	2320	1270
		11/10/14	7.39	26.5	1806	1150
		1/12/15	7.72	26.6	1572	1130
		4/1/15	7.64	27.8	1268	1140
		7/15/15	7.18	26.6	2180	1180
		11/3/15	7.63	26.1	1393	1150
		1/6/16	7.38	24.8	1518	1210
		5/9/16	7.49	26.7	1247	1220
		8/18/16	7.56	27.4	2546	1190
		4/18/17	7.84	27.3	2468	1190
		4/26/18	7.71	27.2	2050	1230
PS-2	220862	2/3/14	7.01	25.1	1935	1080
		2/3/14 DUP	7.01	25.1	1935	1090
		4/14/14	7.62	26.6	1303	1050
		7/9/14	6.79	27.5	1934	1120
		11/10/14	7.09	26.5	1689	1020
		1/12/15	7.71	25.9	1482	1000
		4/1/15	7.62	27.8	1218	1000
		7/15/15	7.51	26.5	1894	1040
		11/3/15	7.70	25.7	1358	1010
		1/6/16	7.40	25.5	1483	1030
		5/9/16	7.57	26.9	1249	1070
		8/18/16	7.53	28.0	2215	1040
		4/18/17	7.75	27.5	2160	991
		4/26/18	7.70	27.0	1781	999
PS-3	220863	2/3/14	7.04	25.3	1810	975
		4/14/14	7.57	26.7	1270	996
		4/14/14 DUP	7.57	26.7	1270	997
		7/9/14	6.76	27.6	1799	1120
		11/10/14	7.26	26.5	1658	1090
		1/12/15	7.75	26.0	1457	1010
		4/1/15	7.67	29.1	1184	1010
		7/15/15	7.56	27.2	1854	1040
		11/3/15	7.68	26.6	1337	983
		1/6/16	7.40	24.8	1455	1040
		5/9/16	7.55	27.2	1740	1020
		8/18/16	7.48	27.5	2202	1000
		8/18/16 DUP	7.48	27.5	2202	1020
		4/18/17	7.73	27.3	2073	955
		4/26/18	7.63	27.3	1630	900
PS-4	220864	2/3/14	7.07	25.2	2570	1280
		4/14/14	7.48	27.6	1393	1260
		7/9/14	7.23	27.5	2330	1300
		11/10/14	7.17	26.9	1923	1260
		1/12/15	7.62	26.3	1664	1220
		4/1/15	7.64	28.2	1306	1230
		4/1/15 DUP	7.64	28.2	1306	1240
		7/15/15	6.69	27.2	2280	1240
		11/3/15	7.54	26.6	1412	1230
		1/6/16	7.37	24.2	1560	1290
		1/6/16 DUP	7.37	24.2	1560	1290
		5/9/16	7.52	27.1	1430	1280
		8/18/16	7.53	27.6	2667	1280
		5/15/17	7.43	27.4	2620	1260
		6/29/18	7.84	27.5	1673	1250

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
PZ-7	561870	11/16/06	NM	NM	NM	270
		1/12/07	7.30	21.6	920	340
		4/17/07	7.13	23.8	777	360
		7/24/07	7.31	28.2	979	360
		1/7/08	7.02	19.2	1106	400
		4/28/08	7.09	27.6	699	440
		7/11/08	7.29	24.5	1173	400
		7/11/08 DUP	7.29	24.5	1173	400
		10/14/08	8.31	25.0	1300	420
		1/13/09	7.46	21.6	5200	440
		4/6/09	6.90	24.2	1100	460
		4/23/10	6.12	20.51	1400	432
		5/18/11	7.04	24.2	1463	472
		5/18/11 DUP	7.04	24.2	1463	470
		6/6/12	6.93	25.9	1458	489.1
		6/10/13	7.20	29.2	1038	500
		4/8/14	7.11	24.0	966	428
		4/21/15	7.05	22.8	822	434
		4/26/16	7.10	22.6	829	441
		5/9/17	7.62	23.1	1319	466
		5/2/18	7.66	24.2	1152	478
PZ-8	561866	11/14/06	NM	NM	NM	470
		1/10/07	6.6	21.0	985	460
		4/11/07	7.41	19.8	1074	540
		7/12/07	7.27	27.3	935	450
		1/3/08	7.52	23.1	1045	320
		4/8/08	7.16	25.4	962	500
		7/1/08	7.15	26.49	1203	400
		10/8/08	7.22	28.2	1400	460
		1/8/09	7.05	22.3	1000	330
		4/8/09	6.54	24.1	900	280
		4/22/10	6.88	16.3	1230	305
		4/21/11	7.05	21.5	1147	364
		4/25/12	6.41	24.1	935	344.9
		6/10/13	7.35	26.7	943	380
		4/23/14	7.16	23.7	1216	480
		4/15/15	6.84	24.6	780	454
		4/26/16	6.98	24.7	833	422
		5/9/17	7.92	24.9	1358	603
		5/2/18	7.70	24.2	1168	642

TABLE 3
Compilation of Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
TMM-1	616156	6/19/07	7.73	29.7	351	14.1
		8/6/07	8.04	25.2	505	<10
		1/10/08	7.77	24.2	254	<0.5
		4/18/08	7.54	25.1	268	<1
		7/9/08	7.94	27.3	296	7.3
		10/9/08	8.14	29.7	281	<0.5
		2/4/09	7.80	24.4	236	5.7
		4/21/09	7.92	26.7	281	5.5
		10/14/09	8.12	31.1	256	0.6
		4/20/10	8.08	27.0	281	12
		10/6/10	8.56	27.4	269	<0.5
		4/21/11	7.96	26.8	303	11.6
		12/21/11	7.10	20.4	1580	<0.5
		5/15/12	8.28	28.8	32.8	7.93
		11/23/12	7.64	22.8	479	<0.5
		11/23/12 DUP	7.64	22.8	479	<0.5
		6/19/13	8.41	29.9	263	1.43
		10/29/13	7.11	24.8	183	<0.5
		4/23/14	8.49	23.6	266	<0.5

Notes:
ADWR = Arizona Department of Water Resources
SU = Standard Units
deg C = degrees Celsius
µS/cm = microsiemens per centimeter
mg/L = milligrams per Liter
NA = not analyzed
NM = not measured
NS = no sample
DUP = Duplicate sample

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
CC of GV	501760	3527876.220	501635.382	2823.45	1/15/07		253.15		2570.30	Sierrita
					4/16/07		254.20		2569.25	Sierrita
					7/9/07		259.79		2563.66	Sierrita
					1/10/08		257.26		2566.19	Sierrita
					7/7/08		261.09		2562.36	Sierrita
					11/14/08		263.13		2560.32	Sierrita
					2/4/09		258.48		2564.97	Sierrita
					4/21/09		258.79		2564.66	Sierrita
					4/22/10		259.51		2563.94	Sierrita
					5/14/13		258.20		2565.25	Sierrita
CCGV2	627484	3527694.880	502116.840	2805.88	6/13/16		322.45	Dynamic	2483.43	Sierrita
					12/8/16		325.63	Static	2480.25	Sierrita
					5/11/17		320.50	Dynamic	2485.38	Sierrita
					11/15/17		260.00		2545.88	Sierrita
CW-3	627483	3523809.985	500047.663	2941.71	6/6/07		265.35		2676.36	Sierrita
					8/10/07		267.40		2674.31	Sierrita
					11/6/07		269.98		2671.73	Sierrita
					1/11/08		264.40		2677.31	Sierrita
					4/17/08		266.46		2675.25	Sierrita
					7/11/08		270.95		2670.76	Sierrita
					10/6/08		271.78		2669.93	Sierrita
					2/9/09		267.51		2674.20	Sierrita
					4/24/09		269.06		2672.65	Sierrita
					12/31/09		272.10		2669.61	Sierrita
					4/22/10		271.91		2669.80	Sierrita
					10/25/10		273.54		2668.17	Sierrita
					5/2/11		272.50		2669.21	Sierrita
					12/5/11		274.20		2667.51	Sierrita
					6/26/12		259.51		2682.20	Sierrita
					12/13/12		278.81		2662.90	Sierrita
					6/13/13		283.48		2658.23	Sierrita
					11/12/13		286.51		2655.20	Sierrita
					3/12/14		286.62		2655.09	Sierrita
					4/29/14		289.87		2651.84	Sierrita
					5/6/14		289.87		2651.84	Sierrita
					6/23/14		289.83		2651.88	Sierrita
					7/28/14		296.29		2645.42	Sierrita
					8/7/14		297.18		2644.53	Sierrita
					9/8/14		298.21	Static	2643.50	Sierrita
					10/15/14		299.49		2642.22	Sierrita
					11/26/14		300.17		2641.54	Sierrita
					12/17/14		300.75	Static	2640.96	Sierrita
					1/29/15		301.17	Static[2]	2640.54	Sierrita
					2/27/15		301.40	Static[2]	2640.31	Sierrita
					3/18/15		301.16	Static[2]	2640.55	Sierrita
					4/28/15		304.04	Static[2]	2637.67	Sierrita
					5/11/15		303.79	Static[2]	2637.92	Sierrita
					6/2/15		304.11	Static[2]	2637.60	Sierrita
					7/24/15		307.31	Static[2]	2634.40	Sierrita
					8/25/15		308.58	Static[2]	2633.13	Sierrita
					10/28/15		309.02	Static[2]	2632.69	Sierrita
					11/5/15		308.88	Static[2]	2632.83	Sierrita
					1/7/16		308.56	Static[2]	2633.15	Sierrita
					2/12/16		308.40	Static[2]	2633.31	Sierrita
					3/8/16		308.34	Static[2]	2633.37	Sierrita
					6/9/16		311.20	Static[2]	2630.51	Sierrita
					12/6/16		314.38	Static[2]	2627.33	Sierrita
					5/23/17		317.80	Static[2]	2623.91	Sierrita
					11/30/17		318.19	Static[2]	2623.52	Sierrita
					6/26/18		320.82	Static[2]	2620.89	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
CW-6	627485	3525588.55	500944.89	2867.00	12/4/06		247.50		2619.50	Sierrita
					1/3/07		245.00		2622.00	Sierrita
					5/24/07		252.25		2614.75	Sierrita
					7/10/07		252.15		2614.85	Sierrita
					10/2/07		253.05		2613.95	Sierrita
					1/8/08		245.81		2621.19	Sierrita
					4/17/08		254.20		2612.80	Sierrita
					7/8/08		253.80		2613.20	Sierrita
					10/7/08		256.30		2610.70	Sierrita
					2/6/09		249.27		2617.73	Sierrita
					4/22/09		253.15		2613.85	Sierrita
					9/22/09		256.80		2610.20	Sierrita
					11/5/09		258.10		2608.90	Sierrita
					2/10/10		250.76		2616.24	Sierrita
					5/14/10		252.78		2614.22	Sierrita
					7/27/10		257.35		2609.65	Sierrita
					10/14/10		257.22		2609.78	Sierrita
					2/24/11		250.38		2616.62	Sierrita
					4/28/11		254.32		2612.68	Sierrita
					7/20/11		257.20		2609.80	Sierrita
					12/14/11		253.57		2613.43	Sierrita
					1/24/12		252.33		2614.67	Sierrita
					5/9/12		255.74		2611.26	Sierrita
					8/29/12		258.30		2608.70	Sierrita
					12/12/12		256.33		2610.67	Sierrita
					2/6/13		254.67		2612.33	Sierrita
					5/15/13		259.27		2607.73	Sierrita
					7/17/13		263.01		2603.99	Sierrita
					10/23/13		264.66		2602.34	Sierrita
					1/14/14		259.78		2607.22	Sierrita
					4/16/14		265.79		2601.21	Sierrita
					10/13/14		279.38	Static[2]	2587.62	Sierrita
					1/13/15		279.20	Static[2]	2587.80	Sierrita
					4/14/15		284.00	Static[2]	2583.00	Sierrita
					7/27/15		290.59	Static[2]	2576.41	Sierrita
					10/20/15		290.71	Static[2]	2576.29	Sierrita
					1/20/16		290.45	Static[2]	2576.55	Sierrita
					4/19/16		293.12	Static[2]	2573.88	Sierrita
					8/22/16		298.70	Dynamic	2568.30	Sierrita
					10/31/16		300.81	Static[2]	2566.19	Sierrita
					1/17/17		298.58	Static[2]	2568.42	Sierrita
					5/16/17		303.85	Static[2]	2563.15	Sierrita
					7/20/17		305.00	Static	2562.00	Sierrita
					10/24/17		309.80	Static	2557.20	Sierrita
					2/12/18		309.80	Static	2557.20	Sierrita
					5/15/18		309.60	Static	2557.40	Sierrita
					8/7/18		312.62	Static	2554.38	Sierrita
CW-7	502546	3527941.01	499686.595	2987.50	2/2/07		425.00		2562.50	Sierrita
					5/14/07		424.15		2563.35	Sierrita
					7/10/07		426.50		2561.00	Sierrita
					10/2/07		427.60		2559.90	Sierrita
					1/8/08		427.50		2560.00	Sierrita
					4/17/08		426.40		2561.10	Sierrita
					7/8/08		428.40		2559.10	Sierrita
					10/7/08		429.80		2557.70	Sierrita
					2/6/09		426.62		2560.88	Sierrita
					4/22/09		424.30		2563.20	Sierrita
					5/14/10		438.35		2549.15	Sierrita
					4/28/11		429.50		2558.00	Sierrita
					5/9/12		425.90		2561.60	Sierrita
					5/15/13		458.53		2528.97	Sierrita
					4/16/14		440.68		2546.82	Sierrita
					6/18/15		461.75	Static	2525.75	Sierrita
					10/20/15		465.40	Static	2522.10	Sierrita
					4/19/16		468.83	Static	2518.67	Sierrita
					10/31/16		474.39	Dynamic	2513.11	Sierrita
					5/16/17		477.10	Dynamic	2510.40	Sierrita
					10/24/17		482.50	Static	2505.00	Sierrita
					5/15/18		485.15	Static	2502.35	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
CW-8	543600	3525480.529	499843.273	2957.50	1/3/07		336.50		2621.00	Sierrita
					5/24/07		338.14		2619.36	Sierrita
					8/10/07		339.80		2617.70	Sierrita
					10/2/07		340.60		2616.90	Sierrita
					1/8/08		337.97		2619.53	Sierrita
					4/17/08		339.20		2618.30	Sierrita
					7/8/08		341.75		2615.75	Sierrita
					10/7/08		342.75		2614.75	Sierrita
					2/6/09		339.12		2618.38	Sierrita
					4/22/09		341.20		2616.30	Sierrita
					4/12/10		342.00		2615.50	Sierrita
					4/28/11		342.68		2614.82	Sierrita
					5/9/12		340.12		2617.38	Sierrita
					5/15/13		347.39		2610.11	Sierrita
					4/16/14		359.08		2598.42	Sierrita
					6/18/15		384.24	Static	2573.26	Sierrita
					10/20/15		387.56	Static	2569.94	Sierrita
					4/19/16		391.20	Static	2566.30	Sierrita
					10/31/16		397.39	Dynamic	2560.11	Sierrita
					5/16/17		400.30	Dynamic	2557.20	Sierrita
					10/24/17		404.16	Static	2553.34	Sierrita
					5/15/18		403.70	Static	2553.80	Sierrita
CW-9[3]	588121	3528540.577	501163.535	2863.00	12/4/06		306.00		2557.00	Sierrita
					1/3/07		304.20		2558.80	Sierrita
					5/24/07		309.40		2553.60	Sierrita
					7/10/07		310.20		2552.80	Sierrita
					10/2/07		310.70		2552.30	Sierrita
					1/8/08		308.82		2554.18	Sierrita
					4/17/08		308.00		2555.00	Sierrita
					7/8/08		315.60		2547.40	Sierrita
					10/7/08		316.05		2546.95	Sierrita
					2/6/09		309.80		2553.20	Sierrita
					4/22/09		311.10		2551.90	Sierrita
					7/30/09		316.5		2546.50	Sierrita
					11/5/09		321.60		2541.40	Sierrita
					2/10/10		316.69		2546.31	Sierrita
					5/14/10		316.20		2546.80	Sierrita
					7/27/10		313.63		2549.37	Sierrita
					10/14/10		318.65		2544.35	Sierrita
					2/24/11		309.94		2553.06	Sierrita
					4/28/11		313.41		2549.59	Sierrita
					7/20/11		315.45		2547.55	Sierrita
					12/14/11		314.17		2548.83	Sierrita
					1/24/12		312.56		2550.44	Sierrita
					5/9/12		314.39		2548.61	Sierrita
					8/29/12		318.12		2544.88	Sierrita
					12/12/12		317.48		2545.52	Sierrita
					2/6/13		313.90		2549.10	Sierrita
					5/15/13		313.79		2549.21	Sierrita
					7/17/13		316.52		2546.48	Sierrita
					10/23/13		319.19		2543.81	Sierrita
					1/14/14		319.38		2543.62	Sierrita
					4/16/14		317.82		2545.18	Sierrita
					10/13/14		330.96	Static[2]	2532.04	Sierrita
					1/13/15		328.35	Static[2]	2534.65	Sierrita
					4/14/15		331.47	Static[2]	2531.53	Sierrita
					7/27/15		338.28	Static[2]	2524.72	Sierrita
					10/20/15		342.55	Static[2]	2520.45	Sierrita
					1/20/16		338.6	Static[2]	2524.40	Sierrita
					4/19/16		339.68	Static[2]	2523.32	Sierrita
					4/28/16		337.98	Static[2]	2525.02	Clear Creek
					8/22/16		359.47	Static[2]	2503.53	Sierrita
					10/31/16		349.00	Static[2]	2514.00	Sierrita
					1/17/17		346.70	Static[2]	2516.30	Sierrita
					5/16/17		344.80	Static[2]	2518.20	Sierrita
					7/20/17		350.90	Static[2]	2512.10	Sierrita
					10/24/17		356.25	Static[2]	2506.75	Sierrita
					2/12/18		353.80	Static[2]	2509.20	Sierrita
					5/15/18		357.79	Static[2]	2505.21	Sierrita
					8/7/18		360.48	Static[2]	2502.52	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
CW-10	207982	3523259.064	500975.215	2868.50	12/4/06		178.25		2690.25	Sierrita
					1/3/07		177.20		2691.30	Sierrita
					5/24/07		196.30		2672.20	Sierrita
					7/10/07		198.79		2669.71	Sierrita
					10/2/07		190.85		2677.65	Sierrita
					1/8/08		180.95		2687.55	Sierrita
					4/17/08		187.95		2680.55	Sierrita
					7/8/08		203.25		2665.25	Sierrita
					10/7/08		190.65		2677.85	Sierrita
					2/6/09		184.40		2684.10	Sierrita
					4/22/09		191.12		2677.38	Sierrita
					7/30/09		197.3		2671.20	Sierrita
					11/5/09		199.10		2669.40	Sierrita
					2/10/10		186.00		2682.50	Sierrita
					5/14/10		190.10		2678.40	Sierrita
					7/27/10		198.52		2669.98	Sierrita
					10/14/10		195.31		2673.19	Sierrita
					2/24/11		191.62		2676.88	Sierrita
					4/28/11		196.15		2672.35	Sierrita
					7/20/11		199.75		2668.75	Sierrita
					12/14/11		191.70		2676.80	Sierrita
					1/24/12		189.73		2678.77	Sierrita
					5/9/12		197.20		2671.30	Sierrita
					8/29/12		201.50		2667.00	Sierrita
					12/12/12		199.93		2668.57	Sierrita
					2/6/13		197.87		2670.63	Sierrita
					5/15/13		209.50		2659.00	Sierrita
					7/17/13		212.61		2655.89	Sierrita
					10/23/13		215.14		2653.36	Sierrita
					1/14/14		203.86		2664.64	Sierrita
					4/16/14		210.15		2658.35	Sierrita
					7/22/14		220.59	Static[2]	2647.91	Sierrita
					10/13/14		223.99	Static[2]	2644.51	Sierrita
					1/13/15		216.94	Static[2]	2651.56	Sierrita
					4/14/15		230.95	Static[2]	2637.55	Sierrita
					7/27/15		236.30	Static[2]	2632.20	Sierrita
					10/20/15		224.82	Static[2]	2643.68	Sierrita
					1/20/16		222.82	Static[2]	2645.68	Sierrita
					4/19/16		226.81	Static[2]	2641.69	Sierrita
					8/22/16		239.08	Dynamic	2629.42	Sierrita
					10/31/16		422.60	Dynamic	2445.90	Sierrita
					1/17/17		228.67	Static[2]	2639.83	Sierrita
					5/16/17		234.00	Static[2]	2634.50	Sierrita
					7/20/17		238.45	Static[2]	2630.05	Sierrita
					10/24/17		243.50	Static[2]	2625.00	Sierrita
					5/15/18		239.57	Static[2]	2628.93	Sierrita
					8/7/18		241.38	Static[2]	2627.12	Sierrita
CW-11	608518	3531004.624	502441.590	2778.61	6/18/15		318.58	Dynamic	2460.03	Sierrita
					10/20/15		286.51	Static[2]	2492.10	Sierrita
					4/19/16		281.75	Static[2]	2496.86	Sierrita
					10/31/16		289.5	Static[2]	2489.11	Sierrita
					10/24/17		347.9	Static	2430.71	Sierrita
					5/15/18		341.00	Static	2437.61	Sierrita
ESP-1	623102	3526448.677	499969.682	2953.43	11/28/06		352.20		2601.23	Sierrita
					1/3/07		350.10		2603.33	Sierrita
					5/24/07		349.55		2603.88	Sierrita
					7/10/07		351.11		2602.32	Sierrita
					10/12/07		343.00		2610.43	Sierrita
					10/30/08		355.47		2597.96	Sierrita
					1/29/09		354		2599.43	Sierrita
					4/16/09		350.50		2602.93	Sierrita
					11/10/09		355.67		2597.76	Sierrita
					4/28/10		354.10		2599.33	Sierrita
					10/15/10		357.40		2596.03	Sierrita
					5/3/11		355.79		2597.64	Sierrita
					11/22/11		357.82		2595.61	Sierrita
					12/13/11		355.60		2597.83	Sierrita
					6/19/12		357.76		2595.67	Sierrita
					11/21/12		358.70		2594.73	Sierrita
					5/20/13		357.15		2596.28	Sierrita
					4/28/14		Obstructed		NA	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
ESP-2	623103	3526924.656	500241.637	2934.60	11/28/06		342.55		2592.05	Sierrita
					1/3/07		343.10		2591.50	Sierrita
					5/14/07		339.90		2594.70	Sierrita
					7/10/07		341.25		2593.35	Sierrita
					10/12/07		342.26		2592.34	Sierrita
					1/23/08		340.40		2594.20	Sierrita
					4/18/08		340.93		2593.67	Sierrita
					7/25/08		342.30		2592.30	Sierrita
					10/30/08		344.82		2589.78	Sierrita
					1/29/09		395.16		2539.44	Sierrita
					4/16/09		341.45		2593.15	Sierrita
					11/10/09		346.50		2588.10	Sierrita
					4/28/10		343.99		2590.61	Sierrita
					10/15/10		347.33		2587.27	Sierrita
					5/3/11		345.44		2589.16	Sierrita
					11/22/11		347.26		2587.34	Sierrita
					6/19/12		346.84		2587.76	Sierrita
					11/21/12		348.11		2586.49	Sierrita
					5/20/13		348.45		2586.15	Sierrita
					11/5/13		362.28		2572.32	Sierrita
					3/12/14		354.98		2579.62	Sierrita
					4/28/14		358.88		2575.72	Sierrita
					5/6/14		358.90		2575.70	Sierrita
					6/23/14		358.86		2575.74	Sierrita
					7/28/14		365.59		2569.01	Sierrita
					8/8/14		367.53		2567.07	Sierrita
					9/9/14		368.29	Static	2566.31	Sierrita
					10/1/14		369.45		2565.15	Sierrita
					11/26/14		369.90		2564.70	Sierrita
					12/17/14		370.22	Static	2564.38	Sierrita
					1/29/15		370.43	Static	2564.17	Sierrita
					2/27/15		370.56	Static	2564.04	Sierrita
					3/26/15		376.27	Static	2558.33	Sierrita
					4/29/15		377.94	Static	2556.66	Sierrita
					5/12/15		378.70	Static	2555.90	Sierrita
					6/21/15		379.41	Static	2555.19	Sierrita
					7/24/15		382.81	Static	2551.79	Sierrita
					8/14/15		384.60	Static	2550.00	Sierrita
					10/21/15		382.96	Static	2551.64	Sierrita
					11/2/15		382.38	Static	2552.22	Sierrita
					1/4/16		384.44	Static	2550.16	Sierrita
					2/9/16		385.29	Static	2549.31	Sierrita
					3/11/16		385.93	Static	2548.67	Sierrita
					6/7/16		389.11	Static	2545.49	Sierrita
					9/7/16		391.55	Static	2543.05	Sierrita
					10/4/16		393.40	Static	2541.20	Sierrita
					1/18/17		394.70	Static	2539.90	Sierrita
					5/22/17		466.66	Dynamic	2467.94	Sierrita
					8/7/17		398.09	Static	2536.51	Sierrita
					4/5/18		402.48	Static	2532.12	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
ESP-3	623104	3527377.239	500234.067	2935.80	11/28/06		360.40		2575.40	Sierrita
					1/3/07		358.60		2577.20	Sierrita
					5/14/07		355.85		2579.95	Sierrita
					7/1/07		358.05		2577.75	Sierrita
					10/30/08		361.12		2574.68	Sierrita
					1/29/09		410.05		2525.75	Sierrita
					4/16/09		353.20		`	Sierrita
					11/12/09		363.37		2572.43	Sierrita
					4/28/10		361.69		2574.11	Sierrita
					10/15/10		365.00		2570.80	Sierrita
					5/3/11		363.35		2572.45	Sierrita
					11/22/11		364.91		2570.89	Sierrita
					6/19/12		364.50		2571.30	Sierrita
					11/21/12		357.92		2577.88	Sierrita
					5/22/13		356.23		2579.57	Sierrita
					11/5/13		367.84		2567.96	Sierrita
					4/28/14		374.61		2561.19	Sierrita
					10/1/14		375.53	Static	2560.27	Sierrita
					5/12/15		393.85	Static	2541.95	Sierrita
					10/21/15		398.32	Static	2537.48	Sierrita
					2/9/16		400.51	Static	2535.29	Sierrita
					6/7/16		397.10	Static	2538.70	Sierrita
					9/7/16		406.68	Static	2529.12	Sierrita
					10/4/16		407.80	Static	2528.00	Sierrita
					1/18/17		408.95	Static	2526.85	Sierrita
					5/22/17		411.67	Static	2524.13	Sierrita
					8/7/17		413.30	Static	2522.50	Sierrita
					10/17/17		414.00	Static	2521.80	Sierrita
					1/16/18		413.65	Static	2522.15	Sierrita
					4/5/18		417.70	Static	2518.10	Sierrita
ESP-4	623105	3526132.758	499916.830	2958.60	11/28/06		349.20		2609.40	Sierrita
					1/12/07		348.30		2610.30	Sierrita
					5/4/07		346.90		2611.70	Sierrita
					7/24/07		348.80		2609.80	Sierrita
					10/12/07		352.41		2606.19	Sierrita
					1/23/08		349.65		2608.95	Sierrita
					4/18/08		350.39		2608.21	Sierrita
					7/25/08		352.13		2606.47	Sierrita
					10/30/08		355.42		2603.18	Sierrita
					1/29/09		352.50		2606.10	Sierrita
					4/16/09		356.87		2601.73	Sierrita
					10/23/09		355.64		2602.96	Sierrita
					4/28/10		351.56		2607.04	Sierrita
					10/15/10		358.16		2600.44	Sierrita
					5/3/11		355.65		2602.95	Sierrita
					11/22/11		356.91		2601.69	Sierrita
					11/12/12		358.92		2599.68	Sierrita
					5/20/13		363.95		2594.65	Sierrita
					11/5/13		362.37		2596.23	Sierrita
					4/28/14		372.14		2586.46	Sierrita
					10/1/14		383.76	Static	2574.84	Sierrita
					5/12/15		393.63	Static	2564.97	Sierrita
					10/19/15		399.74	Static	2558.86	Sierrita
					6/7/16		411.20	Static	2547.40	Sierrita
					10/4/16		407.80	Static	2550.80	Sierrita
					5/22/17		411.60	Static	2547.00	Sierrita
					10/17/17		413.59	Static	2545.01	Sierrita
					4/5/18		415.25	Static	2543.35	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
ESP-5	623106	3527082.232	502007.895	2820.00	2/12/07		219.50		2600.50	Sierrita
					5/4/07		217.75		2602.25	Sierrita
					7/3/07		224.60		2595.40	Sierrita
					11/8/07		228.42		2591.58	Sierrita
					1/28/08		222.00		2598.00	Sierrita
					4/22/08		220.08		2599.92	Sierrita
					8/7/08		225.88		2594.12	Sierrita
					11/3/08		228.92		2591.08	Sierrita
					2/17/09		221.89		2598.11	Sierrita
					6/2/09		224.10		2595.90	Sierrita
					4/28/10		223.28		2596.72	Sierrita
					5/3/11		224.15		2595.85	Sierrita
					6/19/12		229.73		2590.27	Sierrita
					5/20/13		230.08		2589.92	Sierrita
					4/29/14		232.72		2587.28	Sierrita
					6/17/15		241.10	Static	2578.90	Sierrita
					11/24/15		242.02	Static	2577.98	Sierrita
					4/28/16		243.73	Static	2576.27	Sierrita
					12/8/16		244.10	Static	2575.90	Sierrita
					6/8/17		254.00	Static	2566.00	Sierrita
					11/15/17		254.82	Static	2565.18	Sierrita
					6/11/18		259.00	Static	2561.00	Sierrita
FFS-1	221662	3524105.489	498321.6883	3071.40	5/10/13	396.74		Static		BW, 2015a
					5/10/13	427.19		Dynamic		BW, 2015a
					1/15/14		438.94	Dynamic	2632.46	Sierrita
					1/15/14	438.94		Dynamic		BW, 2015a
					1/22/14		439.09	Dynamic	2632.31	Sierrita
					1/22/14	439.09		Dynamic		BW, 2015a
					1/29/14		379.85	Dynamic	2691.55	Sierrita
					2/5/14	436.58		Dynamic		BW, 2015a
					2/12/14	437.02		Dynamic		BW, 2015a
					3/13/14		446.91	Dynamic	2624.49	Sierrita
					5/14/14		453.40	Dynamic	2618.00	Sierrita
					5/30/14	453.40		Dynamic		BW, 2015a
					6/5/14		457.50	Dynamic	2613.90	Sierrita
					6/5/14	457.50		Dynamic		BW, 2015a
					7/6/14		455.90	Dynamic	2615.50	Sierrita
					7/6/14	454.90		Dynamic		BW, 2015a
					7/31/14		457.00	Dynamic	2614.40	Sierrita
					7/31/14	457.00		Dynamic		BW, 2015a
					8/27/14		457.80	Dynamic	2613.60	Sierrita
					8/27/14	457.80		Dynamic		BW, 2015a
					10/1/14		428.40	Static	2643.00	Sierrita
					10/1/14	427.4		Static		BW, 2015a
					11/4/14		462.50	Static	2608.90	Sierrita
					11/4/14	461.50		Dynamic		BW, 2015a
					12/2/14		464.00	Dynamic	2607.40	Sierrita
					12/2/14	463.00		Dynamic		BW, 2015a
					1/4/15		464.60	Dynamic	2606.80	Sierrita
					3/3/15		465.70	Dynamic	2605.70	Sierrita
					4/9/15		432.05	Static	2639.35	Sierrita
					5/2/15		431.60	Static	2639.80	Sierrita
					6/11/15		431.55	Static	2639.85	Sierrita
					7/6/15		467.05	Dynamic	2604.35	Sierrita
					8/18/15		470.50	Dynamic	2600.90	Sierrita
					10/7/15		472.85	Dynamic	2598.55	Sierrita
					11/4/15		473.70	Dynamic	2597.70	Sierrita
					12/9/15		475.32	Dynamic	2596.08	Sierrita
					1/12/16		474.00	Dynamic	2597.40	Sierrita
					2/11/16		475.30	Dynamic	2596.10	BW
					3/4/16		475.80	Dynamic	2595.60	BW
					4/29/16		593.55	Dynamic	2477.85	Sierrita
					10/5/16		479.10	Dynamic	2592.30	BW
					4/17/17		481.15	Dynamic	2590.25	Sierrita
					7/20/17		480.93	Dynamic	2590.47	BW
					10/25/17		481.22	Dynamic	2590.18	BW
					5/22/18		446.20	Static	2625.20	BW
					9/25/18		443.75	Static	2627.65	BW

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
FFS-2	221663	3524699.036	498316.6779	3082.11	4/29/13	416.50		Static		BW, 2015a
					4/29/13	446.60		Dynamic		BW, 2015a
					1/15/14		459.42	Dynamic	2622.69	Sierrita
					1/15/14	459.42		Dynamic		BW, 2015a
					1/22/14		460.08	Dynamic	2622.03	Sierrita
					1/22/14	460.08		Dynamic		BW, 2015a
					1/28/14	462.21		Dynamic		BW, 2015a
					1/29/14		462.21	Dynamic	2619.90	Sierrita
					2/5/14	463.82		Dynamic		BW, 2015a
					3/13/14		468.92	Dynamic	2613.19	Sierrita
					5/13/14		444.00	Dynamic	2638.11	Sierrita
					5/30/14	474.00		Dynamic		BW, 2015a
					6/5/14		476.75	Dynamic	2605.36	Sierrita
					6/5/14	476.75		Dynamic		BW, 2015a
					7/6/14		479.70	Dynamic	2602.41	Sierrita
					7/6/14	479.03		Dynamic		BW, 2015a
					7/31/14		480.80	Dynamic	2601.31	Sierrita
					7/31/14	480.80		Dynamic		BW, 2015a
					8/27/14		482.20	Dynamic	2599.91	Sierrita
					8/27/14	482.20		Dynamic		BW, 2015a
					10/1/14		453.20	Static	2628.91	Sierrita
					10/1/14	452.53		Static		BW, 2015a
					11/4/14		487.37	Dynamic	2594.74	Sierrita
					11/4/14	486.70		Dynamic		BW, 2015a
					12/2/14		489.05	Dynamic	2593.06	Sierrita
					12/2/14	488.38		Dynamic		BW, 2015a
					1/4/15		489.95	Dynamic	2592.16	Sierrita
					3/3/15		491.92	Dynamic	2590.19	Sierrita
					4/9/15		491.90	Dynamic	2590.21	Sierrita
					5/2/15		492.10	Dynamic	2590.01	Sierrita
					6/11/15		491.50	Dynamic	2590.61	Sierrita
					7/6/15		493.90	Dynamic	2588.21	Sierrita
					8/18/15		496.50	Dynamic	2585.61	Sierrita
					10/7/15		UTM		NA	Sierrita
					11/4/15		499.60	Dynamic	2582.51	Sierrita
					12/9/15		502.00	Dynamic	2580.11	Sierrita
					1/12/16		500.65	Dynamic	2581.46	Sierrita
					2/11/16		499.90	Dynamic	2582.21	BW
					3/4/16		502.45	Dynamic	2579.66	BW
					4/29/16		504.00	Dynamic	2578.11	Sierrita
					10/5/16		506.40	Dynamic	2575.71	BW
					4/17/17		505.74	Dynamic	2576.37	Sierrita
					7/20/17		505.60	Dynamic	2576.51	BW
					10/25/17		505.50	Dynamic	2576.61	BW
					5/22/18		505.45	Dynamic	2576.66	BW

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
FFS-3	221664	3525305.994	498351.2089	3083.90	4/20/13[1]	461.90		Static		BW, 2015a
					4/20/13	532.50		Dynamic		BW, 2015a
					1/15/14		497.29	Dynamic	2586.61	Sierrita
					1/15/14	497.29		Dynamic		BW, 2015a
					1/22/14		497.31	Dynamic	2586.59	Sierrita
					1/22/14	497.31		Dynamic		BW, 2015a
					1/28/14	497.98		Dynamic		BW, 2015a
					1/29/14		497.98	Dynamic	2585.92	Sierrita
					2/5/14	499.18		Dynamic		BW, 2015a
					3/13/14		502.16	Dynamic	2581.74	Sierrita
					5/14/14		508.87	Dynamic	2575.03	Sierrita
					5/30/14	508.87		Dynamic		BW, 2015a
					6/9/14		509.68	Dynamic	2574.22	Sierrita
					6/9/14	509.68		Dynamic		BW, 2015a
					7/6/14		511.70	Dynamic	2572.20	Sierrita
					7/6/14	510.70		Dynamic		BW, 2015a
					7/31/14		513.10	Dynamic	2570.80	Sierrita
					7/31/14	513.10		Dynamic		BW, 2015a
					8/27/14		514.25	Dynamic	2569.65	Sierrita
					8/27/14	514.25		Dynamic		BW, 2015a
					10/1/14		497.80	Static	2586.10	Sierrita
					10/1/14	496.80		Static		BW, 2015a
					11/4/14		519.50	Dynamic	2564.40	Sierrita
					11/4/14	518.50		Dynamic		BW, 2015a
					12/2/14		521.35	Dynamic	2562.55	Sierrita
					12/2/14	520.35		Dynamic		BW, 2015a
					1/4/15		523.10	Dynamic	2560.80	Sierrita
					2/4/15		522.10	Dynamic	2561.80	Sierrita
					3/3/15		524.05	Dynamic	2559.85	Sierrita
					4/9/15		525.40	Dynamic	2558.50	Sierrita
					5/2/15		526.95	Dynamic	2556.95	Sierrita
					6/11/15		509.50	Static	2574.40	Sierrita
					7/6/15		529.40	Dynamic	2554.50	Sierrita
					8/18/15		530.00	Dynamic	2553.90	Sierrita
					10/7/15		530.70	Dynamic	2553.20	Sierrita
					11/4/15		535.70	Dynamic	2548.20	Sierrita
					12/9/15		538.30	Dynamic	2545.60	Sierrita
					1/12/16		UTM		NA	Sierrita
					2/11/16		535.40	Dynamic	2548.50	BW
					3/4/16		540.22	Dynamic	2543.68	BW
					4/8/16		541.65	Dynamic	2542.25	Sierrita
					10/5/16		544.45	Dynamic	2539.45	BW
					4/17/17		544.30	Dynamic	2539.60	Sierrita
					7/20/17		547.00	Dynamic	2536.90	BW
					10/25/17		547.00	Dynamic	2536.90	BW
					5/22/18		546.90	Dynamic	2537.00	BW
					9/25/18		548.25	Dynamic	2535.65	BW

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
FFS-4	221665	3525933.902	498355.0913	3097.92	5/29/13	497.96		Static		BW, 2015a
					5/29/13	544.45		Dynamic		BW, 2015a
					1/15/14		548.14	Dynamic	2549.78	Sierrita
					1/15/14	548.14		Dynamic		BW, 2015a
					1/22/14		550.75	Dynamic	2547.17	Sierrita
					1/22/14	550.75		Dynamic		BW, 2015a
					1/28/14	552.10		Dynamic		BW, 2015a
					1/29/14		552.10	Dynamic	2545.82	Sierrita
					2/5/14	554.16		Dynamic		BW, 2015a
					3/13/14		559.71	Dynamic	2538.21	Sierrita
					5/14/14		570.41	Dynamic	2527.51	Sierrita
					5/30/14	570.41		Dynamic		BW, 2015a
					6/9/14		572.45	Dynamic	2525.47	Sierrita
					6/9/14	572.45		Dynamic		BW, 2015a
					7/6/14		576.05	Dynamic	2521.87	Sierrita
					7/6/14	574.88		Dynamic		BW, 2015a
					7/31/14		578.25	Dynamic	2519.67	Sierrita
					7/31/14	578.25		Dynamic		BW, 2015a
					8/27/14		580.50	Dynamic	2517.42	Sierrita
					8/27/14	580.50		Dynamic		BW, 2015a
					10/1/14		529.75	Static	2568.17	Sierrita
					10/1/14	528.58		Static		BW, 2015a
					11/4/14		595.40	Dynamic	2502.52	Sierrita
					11/4/14	594.23		Dynamic		BW, 2015a
					12/2/14		602.10	Dynamic	2495.82	Sierrita
					12/2/14	600.93		Dynamic		BW, 2015a
					1/4/15		608.90	Dynamic	2489.02	Sierrita
					3/3/15		622.65	Dynamic	2475.27	Sierrita
					4/9/15		661.30	Dynamic	2436.62	Sierrita
					5/2/15		668.25	Dynamic	2429.67	Sierrita
					6/11/15		541.42	Static	2556.50	Sierrita
					7/6/15		541.73	Static	2556.19	Sierrita
					8/18/15		696.60	Dynamic	2401.32	Sierrita
					10/7/15		694.80	Dynamic	2403.12	Sierrita
					11/4/15		697.00	Dynamic	2400.92	Sierrita
					12/9/15		698.85	Dynamic	2399.07	Sierrita
					1/12/16		UTM		NA	Sierrita
					2/11/16		696.38	Dynamic	2401.54	BW
					3/4/16		693.48	Dynamic	2404.44	BW
					4/8/16		693.95	Dynamic	2403.97	Sierrita
					10/5/16		692.75	Dynamic	2405.17	BW
					4/17/17		694.50	Dynamic	2403.42	Sierrita
					7/20/17		692.00	Dynamic	2405.92	BW
					10/25/17		690.45	Dynamic	2407.47	BW
					5/22/18		231.10	Static	2866.82	BW

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
FFS-5	221666	3526763.99	498336.5907	3107.73	1/28/13	522.49		Static		BW, 2015a
					1/28/13	555.55		Dynamic		BW, 2015a
					3/13/14		Obstructed		NA	Sierrita
					5/13/14		554.32	Dynamic	2553.41	Sierrita
					5/15/14		554.32	Dynamic	2553.41	Sierrita
					5/15/14	554.32		Dynamic		BW, 2015a
					5/22/14		563.67	Dynamic	2544.06	Sierrita
					5/22/14	563.67		Dynamic		BW, 2015a
					6/9/14		565.20	Dynamic	2542.53	Sierrita
					6/9/14	565.20		Dynamic		BW, 2015a
					7/6/14		566.80	Dynamic	2540.93	Sierrita
					7/6/14	565.80		Dynamic		BW, 2015a
					7/31/14		568.60	Dynamic	2539.13	Sierrita
					7/31/14	568.60		Dynamic		BW, 2015a
					8/27/14		569.80	Dynamic	2537.93	Sierrita
					8/27/14	569.80		Dynamic		BW, 2015a
					10/1/14		554.18	Static	2553.55	Sierrita
					10/1/14	553.18		Static		BW, 2015a
					11/4/14		575.55	Dynamic	2532.18	Sierrita
					11/4/14	574.55		Dynamic		BW, 2015a
					12/2/14		577.65	Dynamic	2530.08	Sierrita
					12/2/14	576.65		Dynamic		BW, 2015a
					1/4/15		579.20	Dynamic	2528.53	Sierrita
					3/3/15		581.00	Dynamic	2526.73	Sierrita
					4/9/15		582.55	Dynamic	2525.18	Sierrita
					5/2/15		584.00	Dynamic	2523.73	Sierrita
					6/11/15		567.15	Static	2540.58	Sierrita
					7/6/15		566.90	Static	2540.83	Sierrita
					8/18/15		588.00	Dynamic	2519.73	Sierrita
					10/7/15		589.35	Dynamic	2518.38	Sierrita
					11/4/15		590.10	Dynamic	2517.63	Sierrita
					12/9/15		591.40	Dynamic	2516.33	Sierrita
					1/12/16		591.58	Dynamic	2516.15	Sierrita
					2/11/16		592.80	Dynamic	2514.93	BW
					3/4/16		593.15	Dynamic	2514.58	BW
					4/8/16		594.05	Dynamic	2513.68	Sierrita
					10/5/16		596.99	Dynamic	2510.74	BW
					4/17/17		596.60	Dynamic	2511.13	Sierrita
					7/20/17		597.10	Dynamic	2510.63	BW
					10/25/17		597.06	Dynamic	2510.67	BW
					5/22/18		585.01	Static	2522.72	BW

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Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
FFS-6	221667	3527243.483	498327.778	3110.44	12/17/12	535.30		Static		BW, 2015a
					12/17/12	549.40		Dynamic		BW, 2015a
					1/15/14		539.28	Dynamic	2571.16	Sierrita
					1/15/14	550.79		Dynamic		BW, 2015a
					1/22/14		552.04	Dynamic	2558.40	Sierrita
					1/22/14	552.04		Dynamic		BW, 2015a
					1/28/14	547.78		Dynamic		BW, 2015a
					1/29/14		547.78	Dynamic	2562.66	Sierrita
					2/5/14	554.68		Dynamic		BW, 2015a
					3/12/14		559.21	Dynamic	2551.23	Sierrita
					5/13/14		566.06	Dynamic	2544.38	Sierrita
					5/30/14	566.06		Dynamic		BW, 2015a
					6/9/14		567.10	Dynamic	2543.34	Sierrita
					6/9/14	567.10		Dynamic		BW, 2015a
					7/6/14		569.00	Dynamic	2541.44	Sierrita
					7/6/14	568.04		Dynamic		BW, 2015a
					7/31/14		571.10	Dynamic	2539.34	Sierrita
					7/31/14	571.10		Dynamic		BW, 2015a
					8/27/14		572.90	Dynamic	2537.54	Sierrita
					8/27/14	572.90		Dynamic		BW, 2015a
					10/1/14		564.20	Static	2546.24	Sierrita
					10/1/14	563.24		Static		BW, 2015a
					11/4/14		577.80	Dynamic	2532.64	Sierrita
					11/4/14	576.84		Dynamic		BW, 2015a
					12/2/14	578.62		Dynamic		BW, 2015a
					1/4/15		581.40	Dynamic	2529.04	Sierrita
					2/4/15		582.15	Dynamic	2528.29	Sierrita
					3/3/15		583.40	Dynamic	2527.04	Sierrita
					4/9/15		584.75	Dynamic	2525.69	Sierrita
					5/2/15		585.70	Dynamic	2524.74	Sierrita
					7/6/15		587.75	Dynamic	2522.69	Sierrita
					8/18/15		588.94	Dynamic	2521.50	Sierrita
					10/7/15		590.60	Dynamic	2519.84	Sierrita
					11/4/15		588.95	Dynamic	2521.49	Sierrita
					12/9/15		592.80	Dynamic	2517.64	Sierrita
					1/12/16		593.30	Dynamic	2517.14	Sierrita
					2/11/16		594.60	Dynamic	2515.84	BW
					3/4/16		594.85	Dynamic	2515.59	BW
					4/8/16		596.10	Dynamic	2514.34	Sierrita
					10/5/16		600.45	Dynamic	2509.99	BW
					4/17/17		603.10	Dynamic	2507.34	Sierrita
					7/20/17		594.25	Static	2516.19	BW
					11/8/17		594.79	Static	2515.65	Sierrita
FICO C-4	624010	3525383.746	501759.635	2836.19	6/19/15		262.70	Dynamic	2573.49	Sierrita
					11/24/15		UTM		NA	Sierrita
					4/28/16		235.80	Static	2600.39	Sierrita
					12/8/16		251.14	Static	2585.05	Sierrita
					5/24/17		237.22	Static	2598.97	Sierrita
					11/17/17		239.72	Static[2]	2596.47	Sierrita
FICO E-6	624013	3525168.902	502425.07	2841.16	6/19/15		259.31	Dynamic	2581.85	Sierrita
					11/24/15		232.65	Static	2608.51	Sierrita
					4/28/16		260.00	Dynamic	2581.16	Sierrita
					12/8/16		255.31	Dynamic	2585.85	Sierrita
					5/24/17		264.53	Dynamic	2576.63	Sierrita
					11/17/17		235.00	Static[2]	2606.16	Sierrita
FICO E-7	624014	3525678.894	503163.562	2832	6/15/17		237.78	Static	2594.22	Sierrita
					12/6/17		231.00	Static	2601.00	Sierrita
					6/8/18		241.93	Static	2590.07	Sierrita
FICO E-8	624015	3525168.902	502425.070	2828	6/15/17		240.80	Static	2587.20	Sierrita
					12/6/17		238.50	Static	2589.50	Sierrita
					6/8/18		243.41	Static	2584.59	Sierrita
FICO E-9	624016	3521260.246	500875.349	2888	12/29/16		174.60	Static	2713.40	Sierrita
					6/15/17		177.70	Static	2710.30	Sierrita
					12/6/17		174.60	Static	2713.40	Sierrita
					6/8/18		174.79	Static	2713.21	Sierrita
FICO S-25	NR	3533425.000	502939.000	2748	12/29/16		145.92	Static	2602.08	Sierrita
					6/15/17		146.85	Static	2601.15	Sierrita
					12/6/17		146.57	Static	2601.43	Sierrita
					6/8/18		146.58	Static	2601.42	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
FICO S-25A	623985	3533340.627	502981.743	2748	12/29/16		166.35	Static	2581.65	Sierrita
					6/15/17		188.00	Dynamic	2560.00	Sierrita
					12/6/17		189.00	Static	2559.00	Sierrita
FICO W-9	624024	3524132.883	501269.296	2851	6/15/17		225.25	Static	2625.75	Sierrita
					12/6/17		221.52	Static	2629.48	Sierrita
					6/8/18		226.65	Static	2624.35	Sierrita
GV-01-GVDWID	603428	3522254.157	499812.869	2942.35	1/9/07		221.00		2721.35	Sierrita
					4/10/07		218.11		2724.24	Sierrita
					8/6/07		231.00		2711.35	Sierrita
					1/7/08		221.50		2720.85	Sierrita
					4/16/08		225.50		2716.85	Sierrita
					7/7/08		231.00		2711.35	Sierrita
					11/25/08		228.00		2714.35	Sierrita
					3/3/09		220.50		2721.85	Sierrita
					7/29/09		201.9		2740.45	Sierrita
					11/4/09		232.80		2709.55	Sierrita
					1/27/10		224.80		2717.55	Sierrita
					4/1/10		227.12		2715.23	Sierrita
					10/14/10		233.00		2709.35	Sierrita
					3/18/11		224.00		2718.35	Sierrita
					4/28/11		231.00		2711.35	Sierrita
					12/7/11		233.20		2709.15	Sierrita
					3/14/12		234.25		2708.10	Sierrita
					6/7/12		242.28		2700.07	Sierrita
					8/29/12		231.00		2711.35	Sierrita
					11/15/12		239.00		2703.35	Sierrita
					1/29/13		238.61		2703.74	Sierrita
					5/16/13		254.09		2688.26	Sierrita
					7/11/13		248.19		2694.16	Sierrita
					7/21/14		229.00		2713.35	Sierrita
					10/14/14		257.60	Static	2684.75	Sierrita
					1/12/15		255.60	Static[2]	2686.75	Sierrita
					7/22/15		261.03	Static[2]	2681.32	Sierrita
					10/21/15		354.60	Dynamic	2587.75	Sierrita
					1/19/16		257.60	Static[2]	2684.75	Sierrita
					4/20/16		260.50	Static[2]	2681.85	Sierrita
					8/24/16		352.10	Dynamic	2590.25	Sierrita
					11/3/16		261.00	Static[2]	2681.35	Sierrita
					1/19/17		257.00	Static[2]	2685.35	Sierrita
					5/15/17		258.25	Static[2]	2684.10	Sierrita
					7/13/17		264.20	Static[2]	2678.15	Sierrita
					10/25/17		267.43	Static[2]	2674.92	Sierrita
					2/13/18		255.82	Static[2]	2686.53	Sierrita
					8/15/18		265.42	Static[2]	2676.93	Sierrita
GV-01-PCWW	509603	3529924.983	502867.776	2789.65	4/2/15		176.50	Static	2613.15	Sierrita
					10/20/15		176.70	Static	2612.95	Sierrita
					4/21/16		176.60	Static	2613.05	Sierrita
					10/20/16		176.40	Static	2613.25	Sierrita
					4/20/17		176.85	Static	2612.80	Sierrita
					10/18/17		176.55	Static	2613.10	Sierrita
					4/19/18		176.60	Static	2613.05	Sierrita

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Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
GV-02-GVDWID	603429	3521654.457	499786.207	2930.47	1/9/07		185.30		2745.17	Sierrita
					4/10/07		187.10		2743.37	Sierrita
					7/11/07		200.45		2730.02	Sierrita
					10/3/07		199.33		2731.14	Sierrita
					1/7/08		190.62		2739.85	Sierrita
					4/16/08		194.95		2735.52	Sierrita
					7/7/08		201.05		2729.42	Sierrita
					11/25/08		199.58		2730.89	Sierrita
					2/4/09		192.88		2737.59	Sierrita
					7/29/09		231.9		2698.57	Sierrita
					11/4/09		203.50		2726.97	Sierrita
					1/27/10		195.15		2735.32	Sierrita
					4/1/10		197.10		2733.37	Sierrita
					7/28/10		202.76		2727.71	Sierrita
					10/14/10		204.55		2725.92	Sierrita
					1/20/11		198.88		2731.59	Sierrita
					4/28/11		204.77		2725.70	Sierrita
					7/20/11		206.14		2724.33	Sierrita
					12/7/11		204.43		2726.04	Sierrita
					3/14/12		204.35		2726.12	Sierrita
					6/7/12		211.76		2718.71	Sierrita
					8/29/12		219.00		2711.47	Sierrita
					11/15/12		214.51		2715.96	Sierrita
					1/29/13		209.49		2720.98	Sierrita
					5/16/13		219.48		2710.99	Sierrita
					7/11/13		220.75		2709.72	Sierrita
					1/10/14		221.29		2709.18	Sierrita
					10/14/14		229.70	Static	2700.77	Sierrita
					1/12/15		221.90	Static[2]	2708.57	Sierrita
					4/15/15		223.10	Static[2]	2707.37	Sierrita
					10/21/15		229.80	Static[2]	2700.67	Sierrita
					1/19/16		UTM		NA	Sierrita
					4/20/16		233.00	Static[2]	2697.47	Sierrita
					8/24/16		246.00	Static	2684.47	Sierrita
					11/3/16		254.00	Static	2676.47	Sierrita
					1/19/17		248.00	Static	2682.47	Sierrita
					5/15/17		248.00	Static	2682.47	Sierrita
					7/13/17		248.00	Static	2682.47	Sierrita
					10/25/17		248.00	Static	2682.47	Sierrita
					2/13/18		219.80	Static	2710.67	Sierrita
					8/15/18		228.42	Static[2]	2702.05	Sierrita
GV-02-PCWW	509604	3530219.769	502678.593	2775.42	4/2/15		164.30	Static	2611.12	Sierrita
					10/20/15		164.20	Static	2611.22	Sierrita
					4/21/16		164.10	Static	2611.32	Sierrita
					10/20/16		164.10	Static	2611.32	Sierrita
					5/8/17		165.80	Static	2609.62	Sierrita
					10/18/17		164.20	Static	2611.22	Sierrita
					4/30/18		164.20	Static	2611.22	Sierrita
GV-SI-GVDWID	208825	3519509.930	497227.175	3042.65	1/9/07		237.50		2805.15	Sierrita
					4/10/07		238.55		2804.10	Sierrita
					8/6/07		240.31		2802.34	Sierrita
					10/3/07		244.40		2798.25	Sierrita
					1/7/08		237.75		2804.90	Sierrita
					4/16/08		247.55		2795.10	Sierrita
					8/14/08		245.50		2797.15	Sierrita
					11/6/08		246.00		2796.65	Sierrita
					2/4/09		247.46		2795.19	Sierrita
					4/1/10		247.60		2795.05	Sierrita
					4/28/11		257.00		2785.65	Sierrita
					6/20/12		257.92		2784.73	Sierrita
					5/16/13		267.53		2775.12	Sierrita
					4/15/15		274.38		2768.27	Sierrita
					10/21/15		269.46		2773.19	Sierrita
					4/20/16		277.00		2765.65	Sierrita
					11/3/16		267.00		2775.65	Sierrita
					5/31/17		276.80		2765.85	Sierrita
					10/25/17		263.85		2778.80	Sierrita
HAVEN GOLF	515867	3526386.069	501651.035	ND	5/29/12		220.00		NA	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
I-10	608525	3528469.536	497797.957	3210.58	1/15/07		655.89		2554.69	Sierrita
					4/16/07		630.00		2580.58	Sierrita
					7/10/07		656.00		2554.58	Sierrita
					1/8/08		659.58		2551.00	Sierrita
					4/14/08		658.80		2551.78	Sierrita
					7/21/08		657.10		2553.48	Sierrita
					10/24/08		660.82		2549.76	Sierrita
					5/12/09		660.80		2549.78	Sierrita
					6/15/12		662.39		2548.19	Sierrita
					6/11/13		661.26		2549.32	Sierrita
					4/30/14		668.91	Dynamic	2541.67	Sierrita
					9/11/14		670.20		2540.38	Sierrita
					5/14/15		687.57	Static	2523.01	Sierrita
					11/18/15		695.41	Static	2515.17	Sierrita
					6/23/16		699.03	Static	2511.55	Sierrita
					12/8/16		702.30	Static	2508.28	Sierrita
					5/17/17		704.70	Static	2505.88	Sierrita
					11/9/17		710.50	Static	2500.08	Sierrita
IW-1	623129	3521277.779	496905.892	3144.69	1/14/06	379.80		Dynamic		BW, 2015a
					2/20/06	380.29		Dynamic		BW, 2015a
					3/14/06	379.27		Dynamic		BW, 2015a
					4/15/06	379.95		Dynamic		BW, 2015a
					5/14/06	383.00		Dynamic		BW, 2015a
					6/10/06	383.60		Dynamic		BW, 2015a
					7/16/06	382.53		Dynamic		BW, 2015a
					8/13/06	383.30		Dynamic		BW, 2015a
					9/16/06	382.20		Dynamic		BW, 2015a
					10/21/06	381.32		Dynamic		BW, 2015a
					11/11/06	383.80		Dynamic		BW, 2015a
					12/16/06		360.95		2783.74	Sierrita
					12/16/06	360.95		Static		BW, 2015a
					1/25/07	385.10		Dynamic		BW, 2015a
					2/24/07		386.70		2757.99	Sierrita
					2/24/07	386.70		Dynamic		BW, 2015a
					3/17/07	388.20		Dynamic		BW, 2015a
					4/24/07	390.55		Dynamic		BW, 2015a
					5/30/07	391.70		Dynamic		BW, 2015a
					6/26/07	394.05		Dynamic		BW, 2015a
					8/29/07	402.50		Dynamic		BW, 2015a
					10/19/07		399.90		2744.79	Sierrita
					11/29/07	402.45		Dynamic		BW, 2015a
					1/29/08		400.45		2744.24	Sierrita
					1/29/08	400.45		Dynamic		BW, 2015a
					2/29/08	400.25		Dynamic		BW, 2015a
					3/31/08	398.00		Dynamic		BW, 2015a
					5/7/08		398.90		2745.79	Sierrita
					5/27/08	402.00		Dynamic		BW, 2015a
					6/30/08	405.35		Dynamic		BW, 2015a
					7/29/08		405.85		2738.84	Sierrita
					7/29/08	405.85		Dynamic		BW, 2015a
					8/29/08	404.00		Dynamic		BW, 2015a
					9/29/08	404.44		Dynamic		BW, 2015a
					10/24/08		404.80		2739.89	Sierrita
					10/24/08	404.08		Dynamic		BW, 2015a
					1/21/09		400		2744.69	Sierrita
					3/10/09	370.50		Static		BW, 2015a
					5/13/09		370.50		2774.19	Sierrita
					5/13/09	397.50		Dynamic		BW, 2015a
					12/15/09	396.40		Dynamic		BW, 2015a
					4/12/10		394.45		2750.24	Sierrita
					3/9/11	370.98		Static		BW, 2015a
					4/15/11	370.92		Static		BW, 2015a
					5/11/11		392.80		2751.89	Sierrita
					5/11/11	392.90		Dynamic		BW, 2015a
					6/27/11	391.25		Dynamic		BW, 2015a
					7/12/11	372.75		Static		BW, 2015a
					8/23/11	369.54		Static		BW, 2015a

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-1	623129	3521277.779	496905.892	3144.69	12/29/11	439.80		Dynamic		BW, 2015a
					1/26/12	440.54		Dynamic		BW, 2015a
					2/28/12	369.94		Static		BW, 2015a
					3/30/12	438.73		Dynamic		BW, 2015a
					5/21/12		438.48		2706.21	Sierrita
					5/21/12	438.48		Dynamic		BW, 2015a
					6/27/12	380.00		Static		BW, 2015a
					7/31/12	431.11		Dynamic		BW, 2015a
					8/21/12	379.84		Static		BW, 2015a
					9/28/12	442.81		Dynamic		BW, 2015a
					10/25/12	382.39		Static		BW, 2015a
					11/28/12	442.71		Dynamic		BW, 2015a
					4/15/13		439.81	Dynamic	2704.88	Sierrita
					6/24/13	384.67		Static		BW, 2015a
					7/31/13	443.70		Dynamic		BW, 2015a
					8/1/13	384.56		Static		BW, 2015a
					9/30/13	444.16		Dynamic		BW, 2015a
					10/31/13	391.01		Static		BW, 2015a
					11/28/13	472.29		Dynamic		BW, 2015a
					12/9/13	391.38		Static		BW, 2015a
					1/28/14		461.65	Dynamic	2683.04	Sierrita
					1/28/14	461.65		Dynamic		BW, 2015a
					2/24/14		392.49	Dynamic	2752.20	Sierrita
					2/24/14	392.49		Static		BW, 2015a
					3/25/14		393.89	Dynamic	2750.80	Sierrita
					3/31/14	393.89		Static		BW, 2015a
					4/25/14		Obstructed		NA	Sierrita
					5/30/14		Obstructed		NA	Sierrita
					6/5/14		445.60	Dynamic	2699.09	Sierrita
					6/5/14	445.60		Dynamic		BW, 2015a
					7/6/14		387.90	Dynamic	2756.79	Sierrita
					7/6/14	387.19		Static		BW, 2015a
					7/31/14		441.90	Dynamic	2702.79	Sierrita
					7/31/14	441.90		Dynamic		BW, 2015a
					8/27/14		383.00	Dynamic	2761.69	Sierrita
					8/27/14	383.00		Static		BW, 2015a
					10/1/14		445.50	Dynamic	2699.19	Sierrita
					10/1/14	444.79		Dynamic		BW, 2015a
					11/4/14		443.90	Dynamic	2700.79	Sierrita
					11/4/14	443.19		Dynamic		BW, 2015a
					12/2/14		446.60	Dynamic	2698.09	Sierrita
					12/2/14	445.89		Dynamic		BW, 2015a
					4/9/15		443.90	Dynamic	2700.79	Sierrita
					5/2/15		382.95	Static	2761.74	Sierrita
					6/11/15		442.50	Dynamic	2702.19	Sierrita
					7/8/15		442.15	Dynamic	2702.54	Sierrita
					10/7/15		444.25	Dynamic	2700.44	Sierrita
					11/4/15		444.15	Dynamic	2700.54	Sierrita
					12/9/15		391.10	Static	2753.59	Sierrita
					1/12/16		449.05	Dynamic	2695.64	Sierrita
					2/11/16		385.30	Static	2759.39	BW
					3/4/16		440.20	Dynamic	2704.49	BW
					4/29/16		441.70	Dynamic	2702.99	Sierrita
					10/5/16		437.30	Dynamic	2707.39	BW
					4/20/17		434.20	Dynamic	2710.49	Sierrita
					7/20/17		381.25	Static	2763.44	BW
					10/25/17		429.65	Dynamic	2715.04	BW
					5/22/18		364.55	Static	2780.14	BW
					9/25/18		442.50	Dynamic	2702.19	BW
IW-2	623130	3521360.552	497485.462	3098.29	12/16/06		404.30		2693.99	Sierrita
					2/24/07		406.80		2691.49	Sierrita
					5/4/07		344.00		2754.29	Sierrita
					7/31/07		381.00		2717.29	Sierrita

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Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-2A	216464	3521337.953	497469.228	3112.28	2/5/08	351.52		Static		BW, 2015a
					2/5/08	392.32		Dynamic		BW, 2015a
					3/31/08	412.80		Dynamic		BW, 2015a
					4/25/08		412.90		2699.38	Sierrita
					4/30/08	412.90		Dynamic		BW, 2015a
					3/10/09	358.20		Static		BW, 2015a
					5/13/09		358.80		2753.48	Sierrita
					4/12/10		410.18		2702.10	Sierrita
					3/9/11	396.82		Dynamic		BW, 2015a
					4/15/11	358.88		Static		BW, 2015a
					5/11/11		394.91		2717.37	Sierrita
					5/11/11	394.91		Dynamic		BW, 2015a
					6/27/11	395.50		Dynamic		BW, 2015a
					7/12/11	361.00		Static		BW, 2015a
					8/23/11	398.38		Dynamic		BW, 2015a
					12/29/11	404.13		Dynamic		BW, 2015a
					1/26/12	404.22		Dynamic		BW, 2015a
					2/28/12	365.63		Static		BW, 2015a
					5/21/12		404.32		2707.96	Sierrita
					5/21/12	404.32		Dynamic		BW, 2015a
					8/21/12	369.52		Static		BW, 2015a
					9/28/12	417.08		Dynamic		BW, 2015a
					10/25/12	374.18		Static		BW, 2015a
					11/28/12	423.40		Dynamic		BW, 2015a
					4/15/13		370.91	Dynamic	2741.37	Sierrita
					6/24/13	376.98		Static		BW, 2015a
					7/31/13	424.16		Dynamic		BW, 2015a
					8/1/13	376.86		Static		BW, 2015a
					9/30/13	424.21		Dynamic		BW, 2015a
					10/31/13	383.28		Static		BW, 2015a
					11/28/13	425.78		Dynamic		BW, 2015a
					12/9/13	382.12		Static		BW, 2015a
					1/28/14		439.64	Dynamic	2672.64	Sierrita
					1/28/14	439.64		Dynamic		BW, 2015a
					2/24/14		384.22	Dynamic	2728.06	Sierrita
					2/24/14	384.22		Static		BW, 2015a
					3/25/14		440.29	Dynamic	2671.99	Sierrita
					3/31/14	440.29		Dynamic		BW, 2015a
					4/25/14		384.28	Dynamic	2728.00	Sierrita
					5/30/14		440.37	Dynamic	2671.91	Sierrita
					5/30/14	440.37		Dynamic		BW, 2015a
					6/9/14		429.35	Dynamic	2682.93	Sierrita
					6/9/14	429.35		Dynamic		BW, 2015a
					7/6/14		379.90	Dynamic	2732.38	Sierrita
					7/6/14	379.44		Static		BW, 2015a
					7/31/14		423.50	Dynamic	2688.78	Sierrita
					7/31/14	423.50		Dynamic		BW, 2015a
					8/27/14		377.70	Dynamic	2734.58	Sierrita
					8/27/14	377.70		Static		BW, 2015a
					10/1/14		377.60	Dynamic	2734.68	Sierrita
					10/1/14	377.14		Static		BW, 2015a
					11/4/14		420.10	Dynamic	2692.18	Sierrita
					11/4/14	419.64		Dynamic		BW, 2015a
					12/2/14		422.20	Dynamic	2690.08	Sierrita
					4/9/15		412.00	Dynamic	2700.28	Sierrita
					5/2/15		413.80	Dynamic	2698.48	Sierrita
					6/11/15		410.00	Dynamic	2702.28	Sierrita
					7/8/15		412.50	Dynamic	2699.78	Sierrita
					10/7/15		411.90	Dynamic	2700.38	Sierrita
					11/4/15		408.90	Dynamic	2703.38	Sierrita
					12/9/15		380.90	Static	2731.38	Sierrita
					1/12/16		408.50	Dynamic	2703.78	Sierrita
					2/11/16		375.30	Static	2736.98	BW
					3/4/16		414.30	Dynamic	2697.98	BW
					4/29/16		397.20	Dynamic	2715.08	Sierrita
					10/5/16		424.30	Dynamic	2687.98	BW
					4/19/17		365.33	Static	2746.95	Sierrita

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Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-2A	216464	3521337.953	497469.228	3112.28	7/20/17		366.85	Static	2745.43	BW
					10/25/17		357.50	Static	2754.78	BW
					5/22/18		411.50	Dynamic	2700.78	BW
					9/25/18		404.80	Dynamic	2707.48	BW
IW-3A	201732	3521723.533	497380.342	3121.45	1/14/06	410.83		Dynamic		BW, 2015a
					2/20/06	408.25		Dynamic		BW, 2015a
					3/14/06	410.00		Dynamic		BW, 2015a
					4/15/06	401.60		Dynamic		BW, 2015a
					5/14/06	391.75		Dynamic		BW, 2015a
					6/10/06	385.50		Dynamic		BW, 2015a
					7/16/06	379.42		Dynamic		BW, 2015a
					8/13/06	369.11		Dynamic		BW, 2015a
					10/21/06	432.25		Dynamic		BW, 2015a
					11/11/06	431.80		Dynamic		BW, 2015a
					12/5/06		431.80		2689.65	Sierrita
					1/25/07	431.00		Dynamic		BW, 2015a
					2/24/07	440.00		Dynamic		BW, 2015a
					3/17/07	440.60		Dynamic		BW, 2015a
					4/24/07	439.30		Dynamic		BW, 2015a
					5/30/07	436.22		Dynamic		BW, 2015a
					6/26/07	436.00		Dynamic		BW, 2015a
					7/31/07		381.50		2739.95	Sierrita
					8/29/07	430.20		Dynamic		BW, 2015a
					10/19/07		427.80		2693.65	Sierrita
					11/29/07	427.40		Dynamic		BW, 2015a
					1/29/08		425.60		2695.85	Sierrita
					1/29/08	425.60		Dynamic		BW, 2015a
					2/29/08	423.80		Dynamic		BW, 2015a
					4/25/08		421.30		2700.15	Sierrita
					4/30/08	421.30		Dynamic		BW, 2015a
					6/30/08	425.20		Dynamic		BW, 2015a
					7/29/08		420.90		2700.55	Sierrita
					7/29/08	420.90		Dynamic		BW, 2015a
					8/29/08	413.90		Dynamic		BW, 2015a
					9/29/08	414.22		Dynamic		BW, 2015a
					10/24/08		141.50		2979.95	Sierrita
					10/24/08	414.50		Dynamic		BW, 2015a
					5/13/09	413.30		Dynamic		BW, 2015a
					12/15/09	410.00		Dynamic		BW, 2015a
					4/12/10		420.23		2701.22	Sierrita
					3/9/11	402.95		Dynamic		BW, 2015a
					4/15/11	378.58		Static		BW, 2015a
					5/11/11		413.40		2708.05	Sierrita
					5/11/11	413.40		Dynamic		BW, 2015a
					6/27/11	415.70		Dynamic		BW, 2015a
					7/12/11	377.59		Static		BW, 2015a
					8/23/11	416.08		Dynamic		BW, 2015a
					12/29/11	419.50		Dynamic		BW, 2015a
					1/26/12	419.34		Dynamic		BW, 2015a
					2/28/12	381.70		Static		BW, 2015a
					3/30/12	409.57		Dynamic		BW, 2015a
					6/20/12		401.37		2720.08	Sierrita
					6/27/12	383.95		Static		BW, 2015a
					7/31/12	429.81		Dynamic		BW, 2015a
					8/21/12	388.48		Static		BW, 2015a
					9/28/12	449.48		Dynamic		BW, 2015a
					10/25/12	394.88		Static		BW, 2015a
					11/28/12	450.08		Dynamic		BW, 2015a
					5/14/13		449.56	Dynamic	2671.89	Sierrita
					6/24/13	398.14		Static		BW, 2015a
					7/31/13	451.92		Dynamic		BW, 2015a
					8/1/13	397.74		Static		BW, 2015a
					9/30/13	452.32		Dynamic		BW, 2015a
					10/30/13	410.79		Static		BW, 2015a
					11/28/13	453.60		Dynamic		BW, 2015a
					12/9/13	409.38		Static		BW, 2015a
					1/28/14		455.66	Dynamic	2665.79	Sierrita
					1/28/14	455.66		Dynamic		BW, 2015a
					2/24/14		408.59	Static	2712.86	Sierrita
					2/24/14	408.59		Static		BW, 2015a

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-3A	201732	3521723.533	497380.342	3121.45	3/25/14		454.96	Dynamic	2666.49	Sierrita
					3/31/14	454.96		Dynamic		BW, 2015a
					4/25/14		403.99	Dynamic	2717.46	Sierrita
					5/30/14		454.72	Dynamic	2666.73	Sierrita
					5/30/14	454.72		Dynamic		BW, 2015a
					6/9/14		446.10	Dynamic	2675.35	Sierrita
					6/9/14	446.10		Dynamic		BW, 2015a
					7/6/14		398.60	Static	2722.85	Sierrita
					7/6/14	397.89		Static		BW, 2015a
					7/31/14		441.40	Dynamic	2680.05	Sierrita
					7/31/14	441.40		Dynamic		BW, 2015a
					8/27/14		394.90	Static	2726.55	Sierrita
					8/27/14	394.90		Static		BW, 2015a
					10/1/14		451.05	Dynamic	2670.40	Sierrita
					10/1/14	450.34		Dynamic		BW, 2015a
					11/4/14		442.75	Dynamic	2678.70	Sierrita
					11/4/14	442.04		Dynamic		BW, 2015a
					12/2/14		446.10	Dynamic	2675.35	Sierrita
					4/9/15		440.60	Dynamic	2680.85	Sierrita
					5/2/15		444.80	Dynamic	2676.65	Sierrita
					6/11/15		441.00	Dynamic	2680.45	Sierrita
					7/8/15		444.20	Dynamic	2677.25	Sierrita
					10/7/15		444.65	Dynamic	2676.80	Sierrita
					11/4/15		442.65	Dynamic	2678.80	Sierrita
					12/9/15		402.55	Static	2718.90	Sierrita
					1/12/16		435.90	Dynamic	2685.55	Sierrita
					2/11/16		387.50	Static	2733.95	BW
					3/4/16		381.95	Static	2739.50	BW
					4/29/16		372.45	Static	2749.00	Sierrita
					10/5/16		367.25	Static	2754.20	BW
					4/20/17		472.08	Dynamic	2649.37	Sierrita
					10/25/17		374.90	Static	2746.55	BW
					5/22/18		378.30	Static	2743.15	BW
					9/25/18		458.20	Dynamic	2663.25	BW
IW-4	623132	3522465.879	497371.700	3137.06	1/14/06	495.10		Dynamic		BW, 2015a
					2/20/06	419.27		Dynamic		BW, 2015a
					3/14/06	385.75		Static		BW, 2015a
					4/15/06	424.75		Dynamic		BW, 2015a
					5/14/06	419.70		Dynamic		BW, 2015a
					6/10/06	420.36		Dynamic		BW, 2015a
					7/16/06	422.05		Dynamic		BW, 2015a
					8/13/06	420.30		Dynamic		BW, 2015a
					9/16/06	417.30		Dynamic		BW, 2015a
					10/21/06	415.75		Dynamic		BW, 2015a
					11/10/06	417.25		Dynamic		BW, 2015a
					12/16/06	416.20		Dynamic		BW, 2015a
					1/17/07	379.65		Static		BW, 2015a
					2/24/07		417.70		2719.36	Sierrita
					2/24/07	417.70		Dynamic		BW, 2015a
					3/19/07	417.80		Dynamic		BW, 2015a
					4/24/07	422.50		Dynamic		BW, 2015a
					5/29/07	423.55		Dynamic		BW, 2015a
					6/26/07	424.30		Dynamic		BW, 2015a
					7/21/07		425.30		2711.76	Sierrita
					7/21/07	425.30		Dynamic		BW, 2015a
					8/29/07	427.50		Dynamic		BW, 2015a
					10/19/07		428.90		2708.16	Sierrita
					11/28/07	434.05		Dynamic		BW, 2015a
					1/19/08		433.70		2703.36	Sierrita
					1/29/08	433.70		Dynamic		BW, 2015a
					2/29/08	437.50		Dynamic		BW, 2015a
					4/21/08		441.90		2695.16	Sierrita
					4/30/08	441.90		Dynamic		BW, 2015a
					7/29/08		409.22		2727.84	Sierrita
					7/29/08	409.22		Dynamic		BW, 2015a
					8/29/08	448.50		Dynamic		BW, 2015a
					9/29/08	449.75		Dynamic		BW, 2015a
					10/24/08		452.10		2684.96	Sierrita
					10/24/08	452.10		Dynamic		BW, 2015a
					1/21/09		453		2684.06	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-4	623132	3522465.879	497371.7	3137.06	3/10/09	383.20		Static		BW, 2015a
					5/13/09		383.20		2753.86	Sierrita
					5/13/09	455.50		Dynamic		BW, 2015a
					10/21/09	421.50				BW, 2015a
					12/15/09	419.00		Dynamic		BW, 2015a
					4/12/10		420.70		2716.36	Sierrita
					3/10/11	426.33		Dynamic		BW, 2015a
					4/15/11	377.11		Static		BW, 2015a
					5/11/11		414.25		2722.81	Sierrita
					5/11/11	414.25		Dynamic		BW, 2015a
					6/27/11	409.23		Dynamic		BW, 2015a
					7/12/11	379.00		Static		BW, 2015a
					8/23/11	406.05		Dynamic		BW, 2015a
					12/29/11	407.19		Dynamic		BW, 2015a
					1/26/12	409.42		Dynamic		BW, 2015a
					2/28/12	381.88		Static		BW, 2015a
					3/30/12	408.98		Dynamic		BW, 2015a
					5/21/12		402.19		2734.87	Sierrita
					5/21/12	402.19		Dynamic		BW, 2015a
					6/27/12	386.94		Static		BW, 2015a
					8/21/12	388.60		Static		BW, 2015a
					9/28/12	403.20		Dynamic		BW, 2015a
					10/25/12	388.42		Static		BW, 2015a
					11/28/12	408.98		Dynamic		BW, 2015a
					4/15/13		402.34	Dynamic	2734.72	Sierrita
					6/24/13	390.86		Static		BW, 2015a
					7/31/13	411.10		Dynamic		BW, 2015a
					8/1/13	390.61		Static		BW, 2015a
					9/30/13	410.90		Dynamic		BW, 2015a
					10/30/13	394.62		Static		BW, 2015a
					11/28/13	414.08		Dynamic		BW, 2015a
					12/9/13	393.74		Static		BW, 2015a
					1/28/14		410.69	Dynamic	2726.37	Sierrita
					1/28/14	410.69		Dynamic		BW, 2015a
					2/24/14		393.32	Static	2743.74	Sierrita
					2/24/14	393.32		Static		BW, 2015a
					3/25/14		410.27	Dynamic	2726.79	Sierrita
					3/31/14	410.27		Dynamic		BW, 2015a
					4/25/14		390.98	Dynamic	2746.08	Sierrita
					5/30/14		410.30	Dynamic	2726.76	Sierrita
					5/30/14	410.30		Dynamic		BW, 2015a
					6/9/14		408.10	Dynamic	2728.96	Sierrita
					6/9/14	408.10		Dynamic		BW, 2015a
					7/6/14		388.15	Static	2748.91	Sierrita
					7/6/14	387.44		Static		BW, 2015a
					7/31/14		427.20	Dynamic	2709.86	Sierrita
					7/31/14	427.20		Dynamic		BW, 2015a
					8/27/14		388.20	Static	2748.86	Sierrita
					8/27/14	388.20		Static		BW, 2015a
					10/1/14		Insufficient Flow		NA	Sierrita
					11/4/14		426.05	Dynamic	2711.01	Sierrita
					11/4/14	425.34		Dynamic		BW, 2015a
					12/2/14		424.10	Dynamic	2712.96	Sierrita
					4/9/15		385.05	Static	2752.01	Sierrita
					5/2/15		388.90	Static	2748.16	Sierrita
					6/11/15		422.10	Dynamic	2714.96	Sierrita
					7/8/15		390.88	Static	2746.18	Sierrita
					10/7/15		UTM		NA	Sierrita
					11/4/15		392.20	Static	2744.86	Sierrita
					12/9/15		391.00	Static	2746.06	Sierrita
					1/12/16		430.30	Dynamic	2706.76	Sierrita
					2/11/16		385.90	Static	2751.16	BW
					3/4/16		419.10	Dynamic	2717.96	BW
					4/29/16		380.50	Static	2756.56	Sierrita
					10/5/16		377.00	Static	2760.06	BW
					4/19/17		374.60	Static	2762.46	Sierrita
					7/20/17		378.00	Static	2759.06	BW
					10/25/17		369.60	Static	2767.46	BW
					5/22/18		372.10	Static	2764.96	BW
					9/25/18		440.20	Dynamic	2696.86	BW

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-5	623133	3522814.850	497369.528	3137.65	5/13/09		375.90		2761.75	Sierrita
					4/12/10		430.60		2707.05	Sierrita
IW-5A	219131	3522723.000	497442.700	3091.47	8/18/10	413.90		Dynamic		BW, 2015a
					8/18/10	377.50		Static		BW, 2015a
					4/15/11	377.25		Static		BW, 2015a
					6/27/11	416.52		Dynamic		BW, 2015a
					7/12/11	379.31		Static		BW, 2015a
					8/23/11	383.44		Dynamic		BW, 2015a
					12/29/11	421.55		Dynamic		BW, 2015a
					1/26/12	421.04		Dynamic		BW, 2015a
					2/28/12	380.65		Static		BW, 2015a
					3/29/12	426.14		Dynamic		BW, 2015a
					5/22/12		468.65		2622.82	Sierrita
					5/22/12	468.65		Dynamic		BW, 2015a
					7/31/12	452.38		Dynamic		BW, 2015a
					8/21/12	388.09		Static		BW, 2015a
					10/25/12	389.56		Static		BW, 2015a
					11/27/12	512.20		Dynamic		BW, 2015a
					4/15/13		514.20	Dynamic	2577.27	Sierrita
					6/24/13	388.89		Static		BW, 2015a
					7/31/13	514.18		Dynamic		BW, 2015a
					8/1/13	388.64		Static		BW, 2015a
					9/30/13	514.02		Dynamic		BW, 2015a
					10/30/13	392.27		Static		BW, 2015a
					11/28/13	516.11		Dynamic		BW, 2015a
					12/9/13	390.72		Static		BW, 2015a
					1/28/14	531.51		Dynamic		BW, 2015a
					1/29/14		531.51	Dynamic	2559.96	Sierrita
					2/24/14		390.02	Static	2701.45	Sierrita
					2/24/14	390.02		Static		BW, 2015a
					3/24/14		Obstructed			Sierrita
					4/25/14		389.58	Dynamic	2701.89	Sierrita
					5/30/14		511.90	Dynamic	2579.57	Sierrita
					5/30/14	511.90		Dynamic		BW, 2015a
					6/9/14		621.00	Dynamic	2470.47	Sierrita
					6/9/14	621.00		Dynamic		BW, 2015a
					7/6/14		387.80	Static	2703.67	Sierrita
					7/6/14	387.30		Static		BW, 2015a
					7/31/14		387.30	Static	2704.17	Sierrita
					7/31/14	387.30		Static		BW, 2015a
					8/27/14		386.30	Static	2705.17	Sierrita
					8/27/14	386.30		Static		BW, 2015a
					10/1/14		386.75	Static	2704.72	Sierrita
					10/1/14	386.25		Static		BW, 2015a
					11/4/14		389.10	Static	2702.37	Sierrita
					11/4/14	388.60		Static		BW, 2015a
					12/2/14		389.80	Static	2701.67	Sierrita
					4/9/15		388.75	Static	2702.72	Sierrita
					5/2/15		390.00	Static	2701.47	Sierrita
					6/11/15		390.05	Static	2701.42	Sierrita
					7/8/15		391.80	Static	2699.67	Sierrita
					10/7/15		392.05	Static	2699.42	Sierrita
					11/4/15		391.20	Static	2700.27	Sierrita
					12/9/15		392.80	Static	2698.67	Sierrita
					1/12/16		392.65	Static	2698.82	Sierrita
					2/11/16		389.90	Static	2701.57	BW
					3/4/16		388.12	Static	2703.35	BW
					4/29/16		386.30	Static	2705.17	Sierrita
					10/5/16		381.03	Static	2710.44	BW
					4/19/17		385.85	Static	2705.62	Sierrita
					7/20/17		383.75	Static	2707.72	BW
					10/25/17		379.55	Static	2711.92	BW
					5/22/18		379.60	Static	2711.87	BW
					9/25/18		380.75	Static	2710.72	BW
IW-6A	545565	3523708.756	497381.226	3132.26	1/14/06	415.90		Dynamic		BW, 2015a
					2/20/06	409.20		Dynamic		BW, 2015a
					3/14/06	424.68		Dynamic		BW, 2015a
					4/15/06	422.90		Dynamic		BW, 2015a
					5/14/06	410.09		Dynamic		BW, 2015a

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-6A	545565	3523708.756	497381.226	3132.26	6/10/06	407.04		Dynamic		BW, 2015a
					7/16/06	412.00		Dynamic		BW, 2015a
					8/13/06	412.98		Dynamic		BW, 2015a
					9/16/06	413.80		Dynamic		BW, 2015a
					10/20/06	438.70		Dynamic		BW, 2015a
					11/11/06	425.00		Dynamic		BW, 2015a
					11/15/06		425.00		2707.26	Sierrita
					12/16/06	433.30		Dynamic		BW, 2015a
					1/29/07	432.60		Dynamic		BW, 2015a
					2/24/07		433.60		2698.66	Sierrita
					2/24/07	433.60		Dynamic		BW, 2015a
					3/17/07	432.90		Dynamic		BW, 2015a
					4/24/07	430.33		Dynamic		BW, 2015a
					5/29/07	433.00		Dynamic		BW, 2015a
					6/22/07	431.75		Dynamic		BW, 2015a
					7/31/07		432.28		2699.98	Sierrita
					8/29/07	433.90		Dynamic		BW, 2015a
					10/17/07		433.35		2698.91	Sierrita
					11/29/07	421.90		Dynamic		BW, 2015a
					1/29/08		416.90		2715.36	Sierrita
					1/29/08	416.90		Dynamic		BW, 2015a
					2/29/08	415.85		Dynamic		BW, 2015a
					4/22/08		415.45		2716.81	Sierrita
					4/30/08	415.45		Dynamic		BW, 2015a
					7/29/08		416.82		2715.44	Sierrita
					7/29/08	416.82		Dynamic		BW, 2015a
					8/29/08	418.65		Dynamic		BW, 2015a
					9/29/08	419.00		Dynamic		BW, 2015a
					10/24/08		419.33		2712.93	Sierrita
					10/24/08	419.33		Dynamic		BW, 2015a
					1/29/09		418		2714.26	Sierrita
					3/10/09	387.30		Static		BW, 2015a
					5/13/09		387.30		2744.96	Sierrita
					5/13/09	417.00		Dynamic		BW, 2015a
					12/15/09	415.20		Dynamic		BW, 2015a
					4/12/10		384.70		2747.56	Sierrita
					3/9/11	408.45		Dynamic		BW, 2015a
					4/15/11	383.52		Static		BW, 2015a
					5/11/11		410.61		2721.65	Sierrita
					5/11/11	410.61		Dynamic		BW, 2015a
					6/29/11	411.24		Dynamic		BW, 2015a
					7/12/11	384.23		Static		BW, 2015a
					8/23/11	411.45		Dynamic		BW, 2015a
					12/29/11	388.75		Static		BW, 2015a
					1/26/12	413.41		Dynamic		BW, 2015a
					5/22/12		419.75		2712.51	Sierrita
					5/22/12	419.75		Dynamic		BW, 2015a
					7/31/12	429.91		Dynamic		BW, 2015a
					9/26/12	435.34		Dynamic		BW, 2015a
					10/25/12	400.84		Static		BW, 2015a
					11/27/12	436.72		Dynamic		BW, 2015a
					4/15/13		433.21	Dynamic	2699.05	Sierrita
					6/24/13	404.24		Static		BW, 2015a
					7/31/13	439.11		Dynamic		BW, 2015a
					8/1/13	404.22		Static		BW, 2015a
					9/30/13	439.14		Dynamic		BW, 2015a
					10/29/13	406.02		Static		BW, 2015a
					11/28/13	440.29		Dynamic		BW, 2015a
					12/9/13	405.19		Static		BW, 2015a
					1/28/14		435.59	Dynamic	2696.67	Sierrita
					1/28/14	435.64		Dynamic		BW, 2015a
					2/24/14		407.02	Static	2725.24	Sierrita
					2/24/14	407.02		Static		BW, 2015a
					3/24/14		432.16	Dynamic	2700.10	Sierrita
					3/31/14	432.16		Dynamic		BW, 2015a
					4/25/14		408.39	Dynamic	2723.87	Sierrita
					5/30/14		431.90	Dynamic	2700.36	Sierrita
					5/30/14	431.90		Dynamic		BW, 2015a

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-6A	545565	3523708.756	497381.226	3132.26	6/9/14		435.40	Dynamic	2696.86	Sierrita
					6/9/14	435.40		Dynamic		BW, 2015a
					7/7/14		435.40	Dynamic	2696.86	Sierrita
					7/7/14	434.98		Dynamic		BW, 2015a
					7/31/14		438.80	Dynamic	2693.46	Sierrita
					7/31/14	438.80		Dynamic		BW, 2015a
					8/27/14		403.40	Static	2728.86	Sierrita
					8/27/14	403.40		Static		BW, 2015a
					10/1/14		435.70	Dynamic	2696.56	Sierrita
					10/1/14	435.28		Dynamic		BW, 2015a
					11/4/14		436.00	Dynamic	2696.26	Sierrita
					11/4/14	435.58		Dynamic		BW, 2015a
					12/2/14		436.00	Dynamic	2696.26	Sierrita
					4/9/15		404.30	Static	2727.96	Sierrita
					5/2/15		403.80	Static	2728.46	Sierrita
					6/11/15		403.80	Static	2728.46	Sierrita
					7/18/15		407.30	Static	2724.96	Sierrita
					10/7/15		UTM		NA	Sierrita
					11/4/15		410.60	Static	2721.66	Sierrita
					12/9/15		413.30	Static	2718.96	Sierrita
					1/12/16		413.80	Static	2718.46	Sierrita
					2/11/16		410.60	Static	2721.66	BW
					3/4/16		410.10	Static	2722.16	BW
					4/29/16		409.55	Static	2722.71	Sierrita
					10/5/16		406.30	Static	2725.96	BW
					4/18/17		412.91	Static	2719.35	Sierrita
					7/20/17		410.28	Static	2721.98	BW
					10/25/17		405.85	Static	2726.41	BW
					5/22/18		401.50	Static	2730.76	BW
					9/25/18		400.35	Static	2731.91	BW
IW-8	508236	3522020.520	497368.253	3122.19	1/14/06	462.10		Dynamic		BW, 2015a
					2/20/06	456.60		Dynamic		BW, 2015a
					3/14/06	461.30		Dynamic		BW, 2015a
					4/15/06	460.25		Dynamic		BW, 2015a
					5/14/06	460.75		Dynamic		BW, 2015a
					6/10/06	465.50		Dynamic		BW, 2015a
					10/19/06	359.29		Static		BW, 2015a
					10/19/06	386.40		Dynamic		BW, 2015a
					12/16/06	435.88		Dynamic		BW, 2015a
					1/19/07	428.30		Dynamic		BW, 2015a
					2/24/07		434.05		2688.14	Sierrita
					2/24/07	434.05		Dynamic		BW, 2015a
					3/17/07	437.37		Dynamic		BW, 2015a
					4/24/07	444.00		Dynamic		BW, 2015a
					5/30/07	440.60		Dynamic		BW, 2015a
					6/26/07	442.35		Dynamic		BW, 2015a
					7/31/07		438.75		2683.44	Sierrita
					8/29/07	439.00		Dynamic		BW, 2015a
					10/19/07		436.80		2685.39	Sierrita
					11/29/07	435.00		Dynamic		BW, 2015a
					1/29/08		437.25		2684.94	Sierrita
					1/29/08	437.25		Dynamic		BW, 2015a
					2/29/08	436.00		Dynamic		BW, 2015a
					3/31/08	455.00		Dynamic		BW, 2015a
					4/25/08		436.70		2685.49	Sierrita
					4/30/08	436.70		Dynamic		BW, 2015a
					7/29/08		437.00		2685.19	Sierrita
					7/29/08	437.00		Dynamic		BW, 2015a
					8/29/08	436.35		Dynamic		BW, 2015a
					9/29/08	436.50		Dynamic		BW, 2015a
					10/24/08		436.92		2685.27	Sierrita
					10/24/08	436.92		Dynamic		BW, 2015a
					1/21/09		439		2683.19	Sierrita
					3/10/09	377.80		Static		BW, 2015a
					5/13/09		377.80		2744.39	Sierrita
					5/13/09	438.00		Dynamic		BW, 2015a
					12/15/09	436.70		Dynamic		BW, 2015a
					4/12/10		438.36		2683.83	Sierrita
					3/10/11	435.58		Dynamic		BW, 2015a
					4/15/11	374.08		Static		BW, 2015a

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-8	508236	3522020.520	497368.253	3122.19	5/11/11		430.52		2691.67	Sierrita
					5/11/11	430.52		Dynamic		BW, 2015a
					6/27/11	432.55		Dynamic		BW, 2015a
					7/12/11	378.15		Static		BW, 2015a
					8/23/11	434.14		Dynamic		BW, 2015a
					12/29/11	435.30		Dynamic		BW, 2015a
					1/26/12	437.51		Dynamic		BW, 2015a
					2/28/12	381.39		Static		BW, 2015a
					3/30/12	437.32		Dynamic		BW, 2015a
					5/21/12		438.67		2683.52	Sierrita
					5/21/12	438.69		Dynamic		BW, 2015a
					6/27/12	386.50		Static		BW, 2015a
					7/31/12	441.33		Dynamic		BW, 2015a
					8/21/12	384.85		Static		BW, 2015a
					9/28/12	385.39		Static		BW, 2015a
					10/25/12	385.68		Static		BW, 2015a
					11/28/12	386.97		Static		BW, 2015a
					5/14/13		379.15	Dynamic	2743.04	Sierrita
					6/24/13	388.58		Static		BW, 2015a
					7/31/13	390.25		Static		BW, 2015a
					8/1/13	387.34		Static		BW, 2015a
					9/30/13	391.14		Static		BW, 2015a
					11/28/13	392.23		Static		BW, 2015a
					12/9/13	401.69		Static		BW, 2015a
					1/28/14		466.20	Dynamic	2655.99	Sierrita
					1/28/14	466.20		Dynamic		BW, 2015a
					2/24/14		400.57	Dynamic	2721.62	Sierrita
					2/24/14	400.57		Static		BW, 2015a
					3/25/14		392.79	Dynamic	2729.40	Sierrita
					3/31/14	392.79		Static		BW, 2015a
					4/25/14		Obstructed		NA	Sierrita
					5/30/14		Obstructed		NA	Sierrita
					6/9/14		Obstructed		NA	Sierrita
					7/6/14		391.10	Dynamic	2731.09	Sierrita
					7/6/14	390.60		Static		BW, 2015a
					7/31/14		459.90	Dynamic	2662.29	Sierrita
					7/31/14	459.90		Dynamic		BW, 2015a
					8/27/14		389.20	Static	2732.99	Sierrita
					8/27/14	389.20		Static		BW, 2015a
					10/1/14		452.30	Dynamic	2669.89	Sierrita
					10/1/14	451.80		Dynamic		BW, 2015a
					11/4/14		446.40	Dynamic	2675.79	Sierrita
					11/4/14	445.90		Dynamic		BW, 2015a
					12/2/14		449.00	Dynamic	2673.19	Sierrita
					4/9/15		443.55	Dynamic	2678.64	Sierrita
					5/2/15		446.95	Dynamic	2675.24	Sierrita
					6/11/15		444.60	Dynamic	2677.59	Sierrita
					7/8/15		447.78	Dynamic	2674.41	Sierrita
					10/7/15		443.75	Dynamic	2678.44	Sierrita
					11/4/15		440.60	Dynamic	2681.59	Sierrita
					12/9/15		394.80	Static	2727.39	Sierrita
					1/12/16		446.25	Dynamic	2675.94	Sierrita
					2/11/16		388.10	Static	2734.09	BW
					3/4/16		433.75	Dynamic	2688.44	BW
					4/29/16		431.90	Dynamic	2690.29	Sierrita
					10/5/16		424.75	Dynamic	2697.44	BW
					4/19/17		428.40	Dynamic	2693.79	Sierrita
					10/25/17		419.30	Dynamic	2702.89	BW
					5/22/18		422.70	Dynamic	2699.49	BW
					9/25/18		403.60	Dynamic	2718.59	BW
IW-9	508238	3522207.639	497369.791	3102.94	1/14/06	450.73		Dynamic		BW, 2015a
					2/20/06	438.00		Dynamic		BW, 2015a
					3/14/06	465.15		Dynamic		BW, 2015a
					4/15/06	437.70		Dynamic		BW, 2015a
					5/14/06	423.75		Dynamic		BW, 2015a
					6/10/06	425.75		Dynamic		BW, 2015a
					7/16/06	409.70		Dynamic		BW, 2015a
					8/13/06	408.50		Dynamic		BW, 2015a
					9/16/06	403.10		Dynamic		BW, 2015a
					10/21/06	400.40		Dynamic		BW, 2015a

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-9	508238	3522207.639	497369.791	3102.94	11/10/06	402.72		Dynamic		BW, 2015a
					11/15/06		402.72		2700.22	Sierrita
					12/16/06	404.00		Dynamic		BW, 2015a
					1/17/07	346.62		Static		BW, 2015a
					2/24/07		405.95		2696.99	Sierrita
					2/24/07	405.95		Dynamic		BW, 2015a
					3/19/07	405.90		Dynamic		BW, 2015a
					4/24/07	408.00		Dynamic		BW, 2015a
					5/29/07	407.60		Dynamic		BW, 2015a
					6/26/07	408.35		Dynamic		BW, 2015a
					7/21/07		405.68		2697.26	Sierrita
					7/21/07	405.68		Dynamic		BW, 2015a
					8/29/07	398.00		Dynamic		BW, 2015a
					10/19/07		379.00		2723.94	Sierrita
					1/19/08		491.10		2611.84	Sierrita
					1/29/08	491.10		Dynamic		BW, 2015a
					2/29/08	476.20		Dynamic		BW, 2015a
					4/21/08		480.80		2622.14	Sierrita
					4/30/08	480.80		Dynamic		BW, 2015a
					7/29/08		473.00		2629.94	Sierrita
					7/29/08	473.00		Dynamic		BW, 2015a
					8/29/08	478.80		Dynamic		BW, 2015a
					9/29/08	478.29		Dynamic		BW, 2015a
					10/24/08		475.03		2627.91	Sierrita
					10/24/08	475.03		Dynamic		BW, 2015a
					1/21/09		469		2633.94	Sierrita
					3/10/09	357.20		Static		BW, 2015a
					5/13/09		357.20		2745.74	Sierrita
					5/13/09	464.60		Dynamic		BW, 2015a
					12/15/09	434.50		Dynamic		BW, 2015a
					4/12/10		426.67		2676.27	Sierrita
					3/9/11	377.51		Dynamic		BW, 2015a
					4/15/11	348.92		Static		BW, 2015a
					5/26/11		503.43		2599.51	Sierrita
					6/27/11	541.95		Dynamic		BW, 2015a
					7/12/11	353.63		Static		BW, 2015a
					8/23/11	532.85		Dynamic		BW, 2015a
					12/29/11	527.68		Dynamic		BW, 2015a
					1/26/12	519.52		Dynamic		BW, 2015a
					2/28/12	357.62		Static		BW, 2015a
					3/30/12	498.65		Dynamic		BW, 2015a
					5/21/12		518.95		2583.99	Sierrita
					5/21/12	518.95		Dynamic		BW, 2015a
					6/27/12	365.39		Static		BW, 2015a
					8/21/12	364.63		Static		BW, 2015a
					9/28/12	517.21		Dynamic		BW, 2015a
					10/25/12	365.94		Static		BW, 2015a
					11/28/12	515.27		Dynamic		BW, 2015a
					4/15/13		502.13	Dynamic	2600.81	Sierrita
					6/24/13	367.33		Static		BW, 2015a
					7/31/13	517.14		Dynamic		BW, 2015a
					8/1/13	366.73		Static		BW, 2015a
					9/30/13	517.08		Dynamic		BW, 2015a
					10/30/13	376.14		Static		BW, 2015a
					11/28/13	511.24		Dynamic		BW, 2015a
					12/9/13	374.47		Static		BW, 2015a
					1/28/14		483.69	Dynamic	2619.25	Sierrita
					1/28/14	483.69		Dynamic		BW, 2015a
					2/24/14		373.42	Static	2729.52	Sierrita
					2/24/14	373.42		Static		BW, 2015a
					3/25/14		455.68	Dynamic	2647.26	Sierrita
					3/31/14	455.68		Dynamic		BW, 2015a
					4/25/14		366.85	Dynamic	2736.09	Sierrita
					5/30/14		367.02	Static	2735.92	Sierrita
					5/30/14	367.02		Static		BW, 2015a
					6/9/14		425.70	Dynamic	2677.24	Sierrita
					6/9/14	425.70		Dynamic		BW, 2015a
					7/6/14		364.20	Static	2738.74	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-9	508238	3522207.639	497369.791	3102.94	7/6/14	363.66		Static		BW, 2015a
					7/31/14		420.70	Dynamic	2682.24	Sierrita
					7/31/14	420.70		Dynamic		BW, 2015a
					8/27/14		362.50	Static	2740.44	Sierrita
					8/27/14	362.50		Static		BW, 2015a
					10/1/14		363.03	Dynamic	2739.91	Sierrita
					10/1/14	362.49		Static		BW, 2015a
					11/4/14		360.80	Static	2742.14	Sierrita
					11/4/14	360.26		Static		BW, 2015a
					12/2/14		362.40	Dynamic	2740.54	Sierrita
					4/9/15		363.90	Static	2739.04	Sierrita
					5/2/15		365.45	Static	2737.49	Sierrita
					6/11/15		365.65	Static	2737.29	Sierrita
					7/8/15		367.75	Static	2735.19	Sierrita
					10/7/15		367.10	Static	2735.84	Sierrita
					11/4/15		365.87	Static	2737.07	Sierrita
					12/9/15		367.90	Static	2735.04	Sierrita
					1/12/16		368.92	Static	2734.02	Sierrita
					2/11/16		364.20	Static	2738.74	BW
					3/4/16		361.32	Static	2741.62	BW
					4/29/16		358.88	Static	2744.06	Sierrita
					10/5/16		353.05	Static	2749.89	BW
					4/19/17		356.40	Static	2746.54	Sierrita
					10/25/17		349.95	Static	2752.99	BW
					5/22/18		541.60	Dynamic	2561.34	BW
					9/25/18		510.50	Dynamic	2592.44	BW
IW-10	508237	3523122.199	497370.367	3129.64	2/20/06	459.50		Dynamic		BW, 2015a
					3/14/06	460.50		Dynamic		BW, 2015a
					4/15/06	468.10		Dynamic		BW, 2015a
					5/14/06	453.00		Dynamic		BW, 2015a
					6/10/06	490.55		Dynamic		BW, 2015a
					7/16/06	453.40		Dynamic		BW, 2015a
					8/13/06	458.00		Dynamic		BW, 2015a
					9/16/06	460.60		Dynamic		BW, 2015a
					10/20/06	458.95		Dynamic		BW, 2015a
					11/10/06	464.05		Dynamic		BW, 2015a
					11/15/06		464.05		2665.59	Sierrita
					12/16/06	463.21		Dynamic		BW, 2015a
					1/17/07	370.70		Static		BW, 2015a
					2/24/07		463.40		2666.24	Sierrita
					2/24/07	463.40		Dynamic		BW, 2015a
					3/19/07	466.30		Dynamic		BW, 2015a
					4/24/07	465.60		Dynamic		BW, 2015a
					5/29/07	464.80		Dynamic		BW, 2015a
					6/26/07	466.05		Dynamic		BW, 2015a
					7/21/07		464.22		2665.42	Sierrita
					7/21/07	465.70		Dynamic		BW, 2015a
					8/29/07	465.00		Dynamic		BW, 2015a
					10/18/07		465.25		2664.39	Sierrita
					11/28/07	466.10		Dynamic		BW, 2015a
					1/19/08		465.75		2663.89	Sierrita
					1/29/08	465.75		Dynamic		BW, 2015a
					2/29/08	463.75		Dynamic		BW, 2015a
					3/31/08	464.20		Dynamic		BW, 2015a
					4/21/08		463.29		2666.35	Sierrita
					4/30/08	463.29		Dynamic		BW, 2015a
					5/27/08	464.00		Dynamic		BW, 2015a
					6/30/08	465.35		Dynamic		BW, 2015a
					7/29/08		466.11		2663.53	Sierrita
					7/29/08	466.11		Dynamic		BW, 2015a
					8/16/08	352.36		Static		BW, 2015a
					8/29/08	467.52		Dynamic		BW, 2015a
					9/29/08	468.22		Dynamic		BW, 2015a
					10/24/08		468.33		2661.31	Sierrita
					10/24/08	468.33		Dynamic		BW, 2015a
					1/21/09		465		2664.64	Sierrita
					3/10/09	391.20		Static		BW, 2015a
					5/13/09		391.20		2738.44	Sierrita
					5/13/09	467.00		Dynamic		BW, 2015a
					12/15/09	465.00		Dynamic		BW, 2015a

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-10	508237	3523122.199	497370.367	3129.64	4/12/10		463.16		2666.48	Sierrita
					3/9/11	457.23		Dynamic		BW, 2015a
					4/15/11	385.42		Static		BW, 2015a
					5/11/11		456.68		2672.96	Sierrita
					5/11/11	456.68		Dynamic		BW, 2015a
					6/27/11	456.74		Dynamic		BW, 2015a
					7/12/11	387.19		Static		BW, 2015a
					8/23/11	457.70		Dynamic		BW, 2015a
					12/29/11	465.20		Dynamic		BW, 2015a
					1/26/12	460.47		Dynamic		BW, 2015a
					2/28/12	389.21		Static		BW, 2015a
					3/29/12	465.39		Dynamic		BW, 2015a
					5/22/12		466.57		2663.07	Sierrita
					5/22/12	466.57		Dynamic		BW, 2015a
					6/27/12	398.46		Static		BW, 2015a
					8/21/12	408.19		Static		BW, 2015a
					9/26/12	483.26		Dynamic		BW, 2015a
					10/25/12	411.87		Static		BW, 2015a
					4/15/13		405.06	Dynamic	2724.58	Sierrita
					6/24/13	413.49		Static		BW, 2015a
					7/31/13	482.88		Dynamic		BW, 2015a
					8/1/13	413.74		Static		BW, 2015a
					9/30/13	483.33		Dynamic		BW, 2015a
					10/30/13	417.82		Static		BW, 2015a
					11/28/13	484.51		Dynamic		BW, 2015a
					12/9/13	414.63		Static		BW, 2015a
					1/28/14	487.15		Dynamic		BW, 2015a
					1/29/14		487.15	Dynamic	2642.49	Sierrita
					2/24/14		416.79	Static	2712.85	Sierrita
					2/24/14	416.79		Static		BW, 2015a
					3/24/14		485.73	Dynamic	2643.91	Sierrita
					3/31/14	485.73		Dynamic		BW, 2015a
					4/25/14		415.32	Dynamic	2714.32	Sierrita
					5/30/14		485.78	Dynamic	2643.86	Sierrita
					5/30/14	485.78		Dynamic		BW, 2015a
					6/9/14		480.10	Dynamic	2649.54	Sierrita
					6/9/14	480.10		Dynamic		BW, 2015a
					7/6/14		478.30	Dynamic	2651.34	Sierrita
					7/6/14	477.80		Dynamic		BW, 2015a
					7/31/14		472.30	Dynamic	2657.34	Sierrita
					7/31/14	472.30		Dynamic		BW, 2015a
					8/27/14		Insufficient Flow		NA	Sierrita
					10/1/14		Obstructed		NA	Sierrita
					11/4/14		Obstructed		NA	Sierrita
					12/2/14		Obstructed		NA	Sierrita
					4/9/15		Obstructed		NA	Sierrita
					5/2/15		Obstructed		NA	Sierrita
					6/11/15		Obstructed		NA	Sierrita
					7/8/15		Obstructed		NA	Sierrita
					10/4/15		Obstructed		NA	Sierrita
					11/4/15		Obstructed		NA	Sierrita
					12/9/15		Obstructed		NA	Sierrita
					1/12/16		UTM		NA	BW
					2/11/16		UTM		NA	BW
					3/4/16		UTM		NA	BW
					4/29/16		UTM		NA	Sierrita
					10/5/16		UTM		NA	BW
					4/19/17		465.70	Dynamic	2663.94	Sierrita
					7/20/17		402.50	Static	2727.14	BW
					10/25/17		393.90	Static	2735.74	BW
					5/22/18		389.70	Static	2739.94	BW
					9/25/18		387.60	Static	2742.04	BW
IW-11	508235	3523428.954	497371.414	3127.20	1/14/06	439.25		Dynamic		BW, 2015a
					2/20/06	446.40		Dynamic		BW, 2015a
					3/14/06	382.25		Static		BW, 2015a
					4/15/06	385.38		Static		BW, 2015a
					7/16/06	379.58		Static		BW, 2015a
					8/13/06	381.30		Static		BW, 2015a
					9/16/06	429.65		Dynamic		BW, 2015a
					10/20/06	427.48		Dynamic		BW, 2015a

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-11	508235	3523428.954	497371.414	3127.20	11/11/06	429.25		Dynamic		BW, 2015a
					11/21/06		429.25		2697.95	Sierrita
					12/16/06	427.72		Dynamic		BW, 2015a
					1/25/07	428.20		Dynamic		BW, 2015a
					2/24/07		428.05		2699.15	Sierrita
					2/24/07	428.05		Dynamic		BW, 2015a
					3/17/07	429.00		Dynamic		BW, 2015a
					4/24/07	428.95		Dynamic		BW, 2015a
					5/30/07	428.82		Dynamic		BW, 2015a
					6/22/07	429.85		Dynamic		BW, 2015a
					7/31/07		428.50		2698.70	Sierrita
					8/29/07	429.80		Dynamic		BW, 2015a
					10/17/07		430.00		2697.20	Sierrita
					11/29/07	429.85		Dynamic		BW, 2015a
					1/29/08		430.00		2697.20	Sierrita
					1/29/08	430.00		Dynamic		BW, 2015a
					2/28/08	428.75		Dynamic		BW, 2015a
					3/31/08	428.50		Dynamic		BW, 2015a
					4/22/08		428.00		2699.20	Sierrita
					4/30/08	428.00		Dynamic		BW, 2015a
					5/27/08	424.80		Dynamic		BW, 2015a
					6/30/08	430.55		Dynamic		BW, 2015a
					7/29/08		430.90		2696.30	Sierrita
					7/29/08	430.90		Dynamic		BW, 2015a
					8/29/08	431.80		Dynamic		BW, 2015a
					9/29/08	432.87		Dynamic		BW, 2015a
					10/24/08		433.01		2694.19	Sierrita
					10/24/08	433.01		Dynamic		BW, 2015a
					1/21/09		429		2698.20	Sierrita
					3/10/09	379.70		Static		BW, 2015a
					5/13/09		379.70		2747.50	Sierrita
					5/13/09	429.00		Dynamic		BW, 2015a
					12/15/09	424.60		Dynamic		BW, 2015a
					4/12/10		421.14		2706.06	Sierrita
					3/9/11	413.68		Dynamic		BW, 2015a
					4/15/11	375.43		Static		BW, 2015a
					5/11/11		414.21		2712.99	Sierrita
					5/11/11	414.21		Dynamic		BW, 2015a
					6/27/11	411.76		Dynamic		BW, 2015a
					8/23/11	450.45		Dynamic		BW, 2015a
					12/29/11	452.00		Dynamic		BW, 2015a
					1/26/12	449.33		Dynamic		BW, 2015a
					3/29/12	451.42		Dynamic		BW, 2015a
					5/22/12		439.67		2687.53	Sierrita
					5/22/12	439.67		Dynamic		BW, 2015a
					7/31/12	459.23		Dynamic		BW, 2015a
					8/22/12	392.18		Static		BW, 2015a
					9/26/12	466.43		Dynamic		BW, 2015a
					11/25/12	400.03		Static		BW, 2015a
					11/27/12	467.67		Dynamic		BW, 2015a
					4/15/13		463.19	Dynamic	2664.01	Sierrita
					6/25/13	400.53		Static		BW, 2015a
					7/31/13	468.40		Dynamic		BW, 2015a
					8/1/13	400.57		Static		BW, 2015a
					9/30/13	468.46		Dynamic		BW, 2015a
					10/29/13	405.57		Static		BW, 2015a
					11/28/13	469.52		Dynamic		BW, 2015a
					12/9/13	404.57		Static		BW, 2015a
					1/28/14	472.74		Dynamic		BW, 2015a
					1/29/14		472.74	Dynamic	2654.46	Sierrita
					2/24/14	404.71		Static		BW, 2015a
					2/25/14		404.71	Static	2722.49	Sierrita
					3/24/14		473.94	Dynamic	2653.26	Sierrita
					3/31/14	473.94		Dynamic		BW, 2015a
					4/28/14		403.28	Dynamic	2723.92	Sierrita
					5/30/14		Obstructed		NA	Sierrita
					6/9/14		398.70	Static	2728.50	Sierrita
					6/9/14	398.70		Static		BW, 2015a

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-11	508235	3523428.954	497371.414	3127.20	7/7/14		370.70	Static	2756.50	Sierrita
					7/7/14	369.95		Static		BW, 2015a
					7/31/14		360.70	Static	2766.50	Sierrita
					7/31/14	360.70		Static		BW, 2015a
					8/27/14		338.50	Static	2788.70	Sierrita
					8/27/14	338.50		Static		BW, 2015a
					10/1/14		339.20	Static	2788.00	Sierrita
					10/1/14	338.45		Static		BW, 2015a
					11/4/14		Obstructed		NA	Sierrita
					12/2/14		Obstructed		NA	Sierrita
					4/9/15		Obstructed		NA	Sierrita
					5/2/15		394.40	Static	2732.80	Sierrita
					6/11/15		503.10	Dynamic	2624.10	Sierrita
					7/18/15		405.75	Static	2721.45	Sierrita
					10/7/15		UTM		NA	Sierrita
					11/4/15		523.40	Dynamic	2603.80	Sierrita
					12/9/15		UTM		NA	Sierrita
					1/12/16		540.70	Dynamic	2586.50	Sierrita
					2/11/16		533.30	Dynamic	2593.90	BW
					3/4/16		529.30	Dynamic	2597.90	BW
					4/29/16		397.80	Static	2729.40	Sierrita
					10/5/16		398.25	Static	2728.95	BW
					4/18/17		541.34	Dynamic	2585.86	Sierrita
					7/20/17		399.72	Static	2727.48	BW
					1025/17		507.80	Dynamic	2619.40	BW
					5/22/18		500.90	Dynamic	2626.30	BW
					9/25/18		387.80	Static	2739.40	BW
IW-12	545555	3523969.869	497364.911	3138.18	2/20/06	447.10		Dynamic		BW, 2015a
					3/14/06	375.33		Static		BW, 2015a
					4/15/06	368.35		Static		BW, 2015a
					5/14/06	433.60		Dynamic		BW, 2015a
					6/10/06	429.70		Dynamic		BW, 2015a
					7/16/06	430.70		Dynamic		BW, 2015a
					8/13/06	420.80		Dynamic		BW, 2015a
					9/16/06	417.98		Dynamic		BW, 2015a
					10/20/06	413.20		Dynamic		BW, 2015a
					11/10/06	413.20		Dynamic		BW, 2015a
					12/16/06	443.18		Dynamic		BW, 2015a
					1/17/07	376.60		Static		BW, 2015a
					2/24/07		456.20		2681.98	Sierrita
					2/24/07	456.20		Dynamic		BW, 2015a
					3/19/07	464.00		Dynamic		BW, 2015a
					4/24/07	451.90		Dynamic		BW, 2015a
					5/29/07	449.10		Dynamic		BW, 2015a
					6/22/07	432.20		Dynamic		BW, 2015a
					7/21/07		428.78		2709.40	Sierrita
					7/21/07	428.78		Dynamic		BW, 2015a
					8/29/07	431.80		Dynamic		BW, 2015a
					10/17/07		433.00		2705.18	Sierrita
					11/28/07	434.80		Dynamic		BW, 2015a
					6/30/08	426.20		Dynamic		BW, 2015a
					7/29/08		425.90		2712.28	Sierrita
					7/29/08	425.90		Dynamic		BW, 2015a
					8/29/08	428.58		Dynamic		BW, 2015a
					9/29/08	427.40		Dynamic		BW, 2015a
					10/24/08		425.90		2712.28	Sierrita
					10/24/08	425.90		Dynamic		BW, 2015a
					1/29/09		427		2711.18	Sierrita
					3/10/09	375.80		Static		BW, 2015a
					5/13/09		375.80		2762.38	Sierrita
					5/13/09	430.60		Dynamic		BW, 2015a
					12/15/09	428.90		Dynamic		BW, 2015a
					4/12/10		425.40		2712.78	Sierrita
					3/9/11	414.92		Dynamic		BW, 2015a
					4/14/11	371.21		Static		BW, 2015a
					5/11/11		415.81		2722.37	Sierrita
					5/11/11	415.81		Dynamic		BW, 2015a
					6/29/11	415.29		Dynamic		BW, 2015a
					7/12/11	372.05		Static		BW, 2015a
					8/23/11	411.60		Dynamic		BW, 2015a

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-12	545555	3523969.869	497364.911	3138.18	12/29/11	372.28		Static		BW, 2015a
					1/26/12	415.39		Dynamic		BW, 2015a
					2/28/12	373.26		Static		BW, 2015a
					3/29/12	393.68		Dynamic		BW, 2015a
					5/22/12		411.45		2726.73	Sierrita
					5/22/12	411.45		Dynamic		BW, 2015a
					6/27/12	371.15		Static		BW, 2015a
					7/31/12	427.28		Dynamic		BW, 2015a
					8/22/12	376.92		Static		BW, 2015a
					9/26/12	422.48		Dynamic		BW, 2015a
					10/25/12	382.92		Static		BW, 2015a
					11/27/12	426.02		Dynamic		BW, 2015a
					5/14/13		420.22	Dynamic	2717.96	Sierrita
					6/25/13	386.04		Static		BW, 2015a
					7/31/13	440.86		Dynamic		BW, 2015a
					8/1/13	386.00		Static		BW, 2015a
					9/30/13	441.10		Dynamic		BW, 2015a
					10/29/13	395.37		Static		BW, 2015a
					11/28/13	435.47		Dynamic		BW, 2015a
					12/9/13	391.32		Static		BW, 2015a
					1/28/14		381.41	Static	2756.77	Sierrita
					1/28/14	381.41		Static		BW, 2015a
					2/24/14		380.19	Static	2757.99	Sierrita
					2/24/14	380.19		Static		BW, 2015a
					3/24/14		380.01	Static	2758.17	Sierrita
					3/31/14	380.01		Static		BW, 2015a
					4/28/14		386.78	Dynamic	2751.40	Sierrita
					5/30/14		434.66	Dynamic	2703.52	Sierrita
					5/30/14	434.66		Dynamic		BW, 2015a
					6/9/14		500.10	Dynamic	2638.08	Sierrita
					7/7/14		490.40	Dynamic	2647.78	Sierrita
					7/7/14	489.69		Dynamic		BW, 2015a
					7/31/14		478.50	Dynamic	2659.68	Sierrita
					7/31/14	478.50		Dynamic		BW, 2015a
					8/27/14		386.40	Static	2751.78	Sierrita
					8/27/14	386.40		Static		BW, 2015a
					10/1/14		486.30	Dynamic	2651.88	Sierrita
					10/1/14	485.59		Dynamic		BW, 2015a
					11/4/14		475.70	Dynamic	2662.48	Sierrita
					11/4/14	474.99		Dynamic		BW, 2015a
					12/2/14		475.95	Dynamic	2662.23	Sierrita
					12/2/14	475.24		Dynamic		BW, 2015a
					4/9/15		458.20	Dynamic	2679.98	Sierrita
					5/2/15		484.20	Dynamic	2653.98	Sierrita
					6/11/15		448.60	Dynamic	2689.58	Sierrita
					7/18/15		456.50	Dynamic	2681.68	Sierrita
					10/7/15		UTM		NA	Sierrita
					11/4/15		481.30	Dynamic	2656.88	Sierrita
					12/9/15		UTM		NA	Sierrita
					1/12/16		504.25	Dynamic	2633.93	Sierrita
					2/11/16		464.25	Dynamic	2673.93	BW
					3/4/16		472.65	Dynamic	2665.53	BW
					4/29/16		499.70	Dynamic	2638.48	Sierrita
					10/5/16		389.60	Static	2748.58	BW
					4/18/17		434.65	Dynamic	2703.53	Sierrita
					7/20/17		386.80	Static	2751.38	BW
					10/25/17		462.95	Dynamic	2675.23	BW
					5/22/18		378.05	Static	2760.13	BW
					9/25/18		376.65	Static	2761.53	BW
IW-13	545556	3524166.673	497363.820	3143.35	1/14/06	382.10		Static		BW, 2015a
					2/20/06	398.95		Dynamic		BW, 2015a
					3/14/06	386.25		Static		BW, 2015a
					4/15/06	403.55		Dynamic		BW, 2015a
					5/14/06	402.85		Dynamic		BW, 2015a
					6/10/06	405.27		Dynamic		BW, 2015a
					7/16/06	406.30		Dynamic		BW, 2015a
					8/13/06	408.80		Dynamic		BW, 2015a
					9/16/06	409.38		Dynamic		BW, 2015a
					10/20/06	408.10		Dynamic		BW, 2015a
					11/11/06	409.95		Dynamic		BW, 2015a

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-13	545556	3524166.673	497363.820	3143.35	12/16/06	408.25		Dynamic		BW, 2015a
					1/29/07	411.20		Dynamic		BW, 2015a
					2/24/07	411.90		Dynamic		BW, 2015a
					3/17/07	411.60		Dynamic		BW, 2015a
					4/24/07	411.15		Dynamic		BW, 2015a
					5/30/07	412.91		Dynamic		BW, 2015a
					6/22/07	412.75		Dynamic		BW, 2015a
					7/31/07		412.13		2731.22	Sierrita
					8/29/07	411.88		Dynamic		BW, 2015a
					10/17/07		413.30		2730.05	Sierrita
					11/29/07	413.40		Dynamic		BW, 2015a
					1/29/08		412.21		2731.14	Sierrita
					1/29/08	412.21		Dynamic		BW, 2015a
					2/28/08	411.10		Dynamic		BW, 2015a
					3/31/08	410.79		Dynamic		BW, 2015a
					4/22/08		410.42		2732.93	Sierrita
					4/30/08	410.42		Dynamic		BW, 2015a
					5/27/08	409.50		Dynamic		BW, 2015a
					6/30/08	409.18		Dynamic		BW, 2015a
					7/29/08		410.00		2733.35	Sierrita
					7/29/08	410.00		Dynamic		BW, 2015a
					8/29/08	410.30		Dynamic		BW, 2015a
					9/29/08	411.02		Dynamic		BW, 2015a
					10/24/08		410.95		2732.40	Sierrita
					10/24/08	410.95		Dynamic		BW, 2015a
					1/29/09		411		2732.35	Sierrita
					3/10/09	388.90		Static		BW, 2015a
					5/13/09		388.90		2754.45	Sierrita
					5/13/09	410.00		Dynamic		BW, 2015a
					12/15/09	408.60		Dynamic		BW, 2015a
					4/12/10		404.66		2738.69	Sierrita
					3/9/11	386.19		Static		BW, 2015a
					4/14/11	382.59		Static		BW, 2015a
					5/11/11		401.85		2741.50	Sierrita
					5/11/11	401.85		Dynamic		BW, 2015a
					6/29/11	401.54		Dynamic		BW, 2015a
					7/12/11	383.55		Static		BW, 2015a
					8/23/11	402.38		Dynamic		BW, 2015a
					12/29/11	402.00		Dynamic		BW, 2015a
					1/26/12	401.86		Dynamic		BW, 2015a
					2/28/12	386.00		Static		BW, 2015a
					3/29/12	403.60		Dynamic		BW, 2015a
					6/20/12		405.53		2737.82	Sierrita
					6/27/12	387.62		Static		BW, 2015a
					7/31/12	443.39		Dynamic		BW, 2015a
					8/22/12	389.92		Static		BW, 2015a
					9/26/12	450.28		Dynamic		BW, 2015a
					10/26/12	392.99		Static		BW, 2015a
					11/27/12	420.16		Dynamic		BW, 2015a
					4/15/13		410.89	Dynamic	2732.46	Sierrita
					6/25/13	396.57		Static		BW, 2015a
					7/31/13	422.24		Dynamic		BW, 2015a
					8/1/13	396.63		Static		BW, 2015a
					9/30/13	422.31		Dynamic		BW, 2015a
					10/29/13	409.74		Static		BW, 2015a
					11/28/13	423.62		Dynamic		BW, 2015a
					12/9/13	398.81		Static		BW, 2015a
					1/28/14		432.93	Dynamic	2710.42	Sierrita
					1/28/14	432.93		Dynamic		BW, 2015a
					2/24/14	401.88		Static		BW, 2015a
					2/25/14		401.88	Static	2741.47	Sierrita
					3/24/14		438.75	Dynamic	2704.60	Sierrita
					3/31/14	438.75		Dynamic		BW, 2015a
					4/25/14		403.78	Dynamic	2739.57	Sierrita
					5/30/14		438.80	Dynamic	2704.55	Sierrita
					5/30/14	438.80		Dynamic		BW, 2015a
					6/9/14		416.40	Static	2726.95	Sierrita
					6/9/14	416.40		Static		BW, 2015a

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Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-13	545556	3524166.673	497363.820	3143.35	7/7/14		405.70	Static	2737.65	Sierrita
					7/7/14	404.74		Static		BW, 2015a
					7/31/14		405.70	Static	2737.65	Sierrita
					7/31/14	405.70		Static		BW, 2015a
					8/27/14		404.30	Static	2739.05	Sierrita
					8/27/14	404.30		Static		BW, 2015a
					10/1/14		459.50	Static	2683.85	Sierrita
					10/1/14		406.90	Static	2736.45	Sierrita
					10/1/14	405.94		Static		BW, 2015a
					11/4/14		404.20	Static	2739.15	Sierrita
					11/4/14	403.24		Static		BW, 2015a
					12/2/14		402.80	Static	2740.55	Sierrita
					12/2/14	401.84		Static		BW, 2015a
					4/9/15		398.70	Static	2744.65	Sierrita
					5/2/15		399.20	Static	2744.15	Sierrita
					6/11/15		398.80	Static	2744.55	Sierrita
					7/18/15		400.65	Static	2742.70	Sierrita
					10/7/15		401.93	Static	2741.42	Sierrita
					11/4/15		401.70	Static	2741.65	Sierrita
					12/9/15		402.50	Static	2740.85	Sierrita
					1/12/16		402.80	Static	2740.55	Sierrita
					2/11/16		402.40	Static	2740.95	BW
					3/4/16		401.80	Static	2741.55	BW
					4/29/16		402.35	Static	2741.00	Sierrita
					10/5/16		399.82	Static	2743.53	BW
					4/18/17		400.92	Static	2742.43	Sierrita
					7/20/17		400.90	Static	2742.45	BW
					10/25/17		398.50	Static	2744.85	BW
					5/22/18		395.40	Static	2747.95	BW
					9/25/18		383.80	Static	2759.55	BW
IW-14	545557	3524373.122	497367.126	3146.42	1/14/06	441.20		Dynamic		BW, 2015a
					2/20/06	436.10		Dynamic		BW, 2015a
					3/14/06	379.95		Static		BW, 2015a
					4/15/06	459.58		Dynamic		BW, 2015a
					5/14/06	445.42		Dynamic		BW, 2015a
					6/10/06	447.55		Dynamic		BW, 2015a
					7/16/06	450.11		Dynamic		BW, 2015a
					8/13/06	458.50		Dynamic		BW, 2015a
					9/16/06	458.09		Dynamic		BW, 2015a
					10/20/06	456.00		Dynamic		BW, 2015a
					11/11/06	471.68		Dynamic		BW, 2015a
					11/15/06		471.68		2674.74	Sierrita
					12/16/06	470.30		Dynamic		BW, 2015a
					1/29/07	474.40		Dynamic		BW, 2015a
					2/24/07		463.35		2683.07	Sierrita
					2/24/07	463.35		Dynamic		BW, 2015a
					3/17/07	479.00		Dynamic		BW, 2015a
					4/24/07	471.90		Dynamic		BW, 2015a
					5/29/07	476.90		Dynamic		BW, 2015a
					6/22/07	476.40		Dynamic		BW, 2015a
					7/31/07		474.00		2672.42	Sierrita
					8/29/07	480.50		Dynamic		BW, 2015a
					10/16/07		480.00		2666.42	Sierrita
					11/29/07	491.30		Dynamic		BW, 2015a
					1/29/08		478.50		2667.92	Sierrita
					1/29/08	478.50		Dynamic		BW, 2015a
					2/28/08	465.10		Dynamic		BW, 2015a
					3/31/08	464.99		Dynamic		BW, 2015a
					4/21/08		457.75		2688.67	Sierrita
					4/30/08	457.75		Dynamic		BW, 2015a
					5/27/08	473.90		Dynamic		BW, 2015a
					6/30/08	477.77		Dynamic		BW, 2015a
					7/29/08		478.06		2668.36	Sierrita
					7/29/08	478.06		Dynamic		BW, 2015a
					8/29/08	467.20		Dynamic		BW, 2015a
					9/29/08	466.99		Dynamic		BW, 2015a
					10/24/08		467.07		2679.35	Sierrita
					10/24/08	467.07		Dynamic		BW, 2015a
					1/29/09		466		2680.42	Sierrita
					3/10/09	383.30		Static		BW, 2015a

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-14	545557	3524373.122	497367.126	3146.42	5/13/09		383.30		2763.12	Sierrita
					5/13/09	460.00		Dynamic		BW, 2015a
					12/15/09	447.90		Dynamic		BW, 2015a
					4/21/10		422.20		2724.22	Sierrita
					3/10/11	406.36		Dynamic		BW, 2015a
					4/14/11	378.11		Static		BW, 2015a
					5/11/11		404.48		2741.94	Sierrita
					5/11/11	404.48		Dynamic		BW, 2015a
					6/29/11	403.37		Dynamic		BW, 2015a
					7/12/11	349.52		Static		BW, 2015a
					8/23/11	404.40		Dynamic		BW, 2015a
					12/29/11	395.50		Dynamic		BW, 2015a
					2/28/12	380.28		Static		BW, 2015a
					3/29/12	459.54		Dynamic		BW, 2015a
					5/22/12		458.57		2687.85	Sierrita
					5/22/12	458.57		Dynamic		BW, 2015a
					6/27/12	381.75		Static		BW, 2015a
					7/31/12	455.15		Dynamic		BW, 2015a
					8/22/12	383.91		Static		BW, 2015a
					9/26/12	459.39		Dynamic		BW, 2015a
					10/26/12	386.33		Static		BW, 2015a
					11/27/12	459.43		Dynamic		BW, 2015a
					4/15/13		460.72	Dynamic	2685.70	Sierrita
					6/25/13	386.94		Static		BW, 2015a
					8/1/13	386.93		Static		BW, 2015a
					9/30/13	458.60		Dynamic		BW, 2015a
					10/28/13	391.09		Static		BW, 2015a
					11/28/13	451.70		Dynamic		BW, 2015a
					12/9/13	390.79		Static		BW, 2015a
					1/28/14		459.02	Dynamic	2687.40	Sierrita
					1/28/14	459.02		Dynamic		BW, 2015a
					2/24/14	393.02		Static		BW, 2015a
					2/25/14		393.02	Dynamic	2753.40	Sierrita
					3/24/14		455.21	Dynamic	2691.21	Sierrita
					3/31/14	455.21		Dynamic		BW, 2015a
					4/28/14		394.49	Dynamic	2751.93	Sierrita
					5/30/14		453.19	Dynamic	2693.23	Sierrita
					5/30/14	453.19		Dynamic		BW, 2015a
					6/9/14		459.40	Dynamic	2687.02	Sierrita
					6/9/14	459.40		Dynamic		BW, 2015a
					7/7/14		459.30	Dynamic	2687.12	Sierrita
					7/7/14	459.13		Dynamic		BW, 2015a
					7/31/14		459.30	Dynamic	2687.12	Sierrita
					7/31/14	459.30		Dynamic		BW, 2015a
					8/27/14		394.60	Static	2751.82	Sierrita
					8/27/14	394.60		Static		BW, 2015a
					10/1/14	459.33		Dynamic		BW, 2015a
					11/4/14		459.40	Dynamic	2687.02	Sierrita
					11/4/14	459.23		Dynamic		BW, 2015a
					12/2/14		459.40	Dynamic	2687.02	Sierrita
					12/2/14	459.23		Dynamic		BW, 2015a
					4/9/15		459.50	Dynamic	2686.92	Sierrita
					5/2/15		459.50	Dynamic	2686.92	Sierrita
					6/11/15		400.05	Static	2746.37	Sierrita
					7/18/15		460.10	Dynamic	2686.32	Sierrita
					10/7/15		400.92	Static	2745.50	Sierrita
					11/4/15		459.45	Dynamic	2686.97	Sierrita
					12/9/15		400.80	Static	2745.62	Sierrita
					1/12/16		459.55	Dynamic	2686.87	Sierrita
					2/11/16		459.60	Dynamic	2686.82	BW
					3/4/16		400.75	Static	2745.67	BW
					4/29/16		459.50	Dynamic	2686.92	Sierrita
					10/5/16		394.05	Static	2752.37	BW
					4/18/17		471.72	Dynamic	2674.70	Sierrita
					7/20/17		459.55	Dynamic	2686.87	BW
					10/25/17		393.45	Static	2752.97	BW
					5/22/18		389.10	Static	2757.32	BW
					9/25/18		387.45	Static	2758.97	BW

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-15	545558	3524567.261	497372.873	3152.02	2/20/06	416.20		Dynamic		BW, 2015a
					3/14/06	387.55		Static		BW, 2015a
					4/15/06	420.70		Dynamic		BW, 2015a
					5/14/06	417.60		Dynamic		BW, 2015a
					6/10/06	419.48		Dynamic		BW, 2015a
					7/16/06	422.65		Dynamic		BW, 2015a
					8/13/06	423.60		Dynamic		BW, 2015a
					9/16/06	424.60		Dynamic		BW, 2015a
					10/20/06	424.35		Dynamic		BW, 2015a
					11/11/06	427.27		Dynamic		BW, 2015a
					11/15/06		427.27		2724.75	Sierrita
					12/16/06	427.79		Dynamic		BW, 2015a
					1/29/07	429.75		Dynamic		BW, 2015a
					2/24/07		429.89		2722.13	Sierrita
					2/24/07	429.89		Dynamic		BW, 2015a
					3/17/07	431.05		Dynamic		BW, 2015a
					4/24/07	431.40		Dynamic		BW, 2015a
					5/30/07	431.90		Dynamic		BW, 2015a
					6/22/07	431.60		Dynamic		BW, 2015a
					7/31/07		430.55		2721.47	Sierrita
					8/29/07	429.70		Dynamic		BW, 2015a
					10/16/07		390.30		2761.72	Sierrita
					11/29/07	428.15		Dynamic		BW, 2015a
					1/29/08		430.45		2721.57	Sierrita
					1/29/08	430.45		Dynamic		BW, 2015a
					2/28/08	430.18		Dynamic		BW, 2015a
					3/31/08	429.95		Dynamic		BW, 2015a
					4/22/08		429.70		2722.32	Sierrita
					4/30/08	429.70		Dynamic		BW, 2015a
					5/27/08	427.81				BW, 2015a
					6/30/08	429.65		Dynamic		BW, 2015a
					7/29/08		429.50		2722.52	Sierrita
					7/29/08	429.50		Dynamic		BW, 2015a
					8/29/08	430.95		Dynamic		BW, 2015a
					9/29/08	430.50		Dynamic		BW, 2015a
					10/24/08		430.49		2721.53	Sierrita
					10/24/08	430.49		Dynamic		BW, 2015a
					1/29/09		430		2722.02	Sierrita
					3/10/09	388.00		Static		BW, 2015a
					5/13/09		388.00		2764.02	Sierrita
					5/13/09	427.80		Dynamic		BW, 2015a
					12/15/09	425.40		Dynamic		BW, 2015a
					4/12/10		419.39		2732.63	Sierrita
					3/9/11	415.00		Dynamic		BW, 2015a
					4/14/11	394.57		Static		BW, 2015a
					5/11/11		414.82		2737.20	Sierrita
					5/11/11	414.82		Dynamic		BW, 2015a
					6/29/11	412.55		Dynamic		BW, 2015a
					7/12/11	384.89		Static		BW, 2015a
					8/23/11	416.35		Dynamic		BW, 2015a
					12/30/11	414.20		Dynamic		BW, 2015a
					1/26/12	418.02		Dynamic		BW, 2015a
					2/28/12	373.03		Static		BW, 2015a
					3/29/12	421.94		Dynamic		BW, 2015a
					5/22/12		410.54		2741.48	Sierrita
					5/22/12	410.54		Dynamic		BW, 2015a
					6/27/12	387.88		Static		BW, 2015a
					7/31/12	418.27		Dynamic		BW, 2015a
					8/22/12	389.33		Static		BW, 2015a
					9/26/12	433.77		Dynamic		BW, 2015a
					10/26/12	391.31		Static		BW, 2015a
					11/27/12	438.04		Dynamic		BW, 2015a
					5/14/13		439.64	Dynamic	2712.38	Sierrita
					6/25/13	392.73		Dynamic		BW, 2015a
					7/31/13	440.11		Dynamic		BW, 2015a
					8/1/13	392.95		Static		BW, 2015a
					9/30/13	440.52		Dynamic		BW, 2015a
					10/28/13	395.39		Static		BW, 2015a

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Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-15	545558	3524567.261	497372.873	3152.02	11/28/13	441.34		Dynamic		BW, 2015a
					12/9/13	395.57		Static		BW, 2015a
					1/28/14		458.15	Dynamic	2693.87	Sierrita
					1/28/14	458.15		Dynamic		BW, 2015a
					2/24/14	397.32		Static		BW, 2015a
					2/25/14		397.32	Dynamic	2754.70	Sierrita
					3/24/14		477.16	Dynamic	2674.86	Sierrita
					3/31/14	477.16		Dynamic		BW, 2015a
					4/28/14		399.11	Dynamic	2752.91	Sierrita
					5/30/14		477.18	Dynamic	2674.84	Sierrita
					5/30/14	477.18		Dynamic		BW, 2015a
					6/9/14		491.25	Dynamic	2660.77	Sierrita
					6/9/14	491.25		Dynamic		BW, 2015a
					7/7/14		399.40	Static	2752.62	Sierrita
					7/7/14	399.15		Static		BW, 2015a
					7/31/14		491.30	Dynamic	2660.72	Sierrita
					7/31/14	491.30		Dynamic		BW, 2015a
					8/27/14		400.60	Static	2751.42	Sierrita
					8/27/14	400.60		Static		BW, 2015a
					10/1/14		491.40	Dynamic	2660.62	Sierrita
					10/1/14	491.15		Dynamic		BW, 2015a
					11/4/14		491.40	Dynamic	2660.62	Sierrita
					11/4/14	491.15		Dynamic		BW, 2015a
					12/2/14		491.40	Dynamic	2660.62	Sierrita
					12/2/14	491.15		Dynamic		BW, 2015a
					4/9/15		491.40	Dynamic	2660.62	Sierrita
					5/2/15		401.70	Static	2750.32	Sierrita
					6/11/15		408.20	Static	2743.82	Sierrita
					10/7/15		404.60	Static	2747.42	Sierrita
					11/4/15		491.40	Dynamic	2660.62	Sierrita
					12/9/15		403.75	Static	2748.27	Sierrita
					1/12/16		498.37	Dynamic	2653.65	Sierrita
					2/11/16		491.40	Dynamic	2660.62	BW
					3/4/16		404.10	Static	2747.92	BW
					4/29/16		498.30	Dynamic	2653.72	Sierrita
					10/5/16		UTM		NA	BW
					4/18/17		491.00	Dynamic	2661.02	Sierrita
					7/20/17		401.10	Static	2750.92	BW
					10/25/17		399.65	Static	2752.37	BW
					5/22/18		398.50	Static	2753.52	BW
					9/25/18		396.55	Static	2755.47	BW
IW-16	545559	3524782.868	497370.651	3162.85	1/14/06	399.60		Static		BW, 2015a
					2/20/06	405.00		Dynamic		BW, 2015a
					3/14/06	405.60		Dynamic		BW, 2015a
					4/15/06	406.97		Dynamic		BW, 2015a
					5/14/06	406.45		Dynamic		BW, 2015a
					6/10/06	407.55		Dynamic		BW, 2015a
					7/16/06	408.31		Dynamic		BW, 2015a
					8/13/06	408.95		Dynamic		BW, 2015a
					9/16/06	409.20		Dynamic		BW, 2015a
					10/20/06	408.94		Dynamic		BW, 2015a
					11/11/06	409.69		Dynamic		BW, 2015a
					11/15/06		409.69		2753.16	Sierrita
					12/16/06	409.81		Dynamic		BW, 2015a
					1/29/07	410.00		Dynamic		BW, 2015a
					2/24/07		409.95		2752.90	Sierrita
					2/24/07	409.95		Dynamic		BW, 2015a
					3/17/07	409.35		Dynamic		BW, 2015a
					4/24/07	409.00		Dynamic		BW, 2015a
					5/30/07	409.50		Dynamic		BW, 2015a
					6/22/07	409.10		Dynamic		BW, 2015a
					7/31/07		409.50		2753.35	Sierrita
					8/29/07	409.65		Dynamic		BW, 2015a
					10/16/07		409.17		2753.68	Sierrita
					11/29/07	408.90		Dynamic		BW, 2015a
					1/29/08		409.20		2753.65	Sierrita
					1/29/08	409.20		Dynamic		BW, 2015a
					2/28/08	408.80		Dynamic		BW, 2015a
					3/31/08	408.92		Dynamic		BW, 2015a
					4/22/08		408.89		2753.96	Sierrita

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Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-16	545559	3524782.868	497370.651	3162.85	4/30/08	408.89		Dynamic		BW, 2015a
					5/27/08	408.92		Dynamic		BW, 2015a
					6/30/08	408.48		Dynamic		BW, 2015a
					7/29/08		409.02		2753.83	Sierrita
					7/29/08	409.02		Dynamic		BW, 2015a
					8/29/08	408.44		Dynamic		BW, 2015a
					9/29/08	408.24		Dynamic		BW, 2015a
					10/24/08		408.29		2754.56	Sierrita
					10/24/08	408.29		Dynamic		BW, 2015a
					1/29/09		409		2753.85	Sierrita
					3/10/09	402.00		Static		BW, 2015a
					5/13/09		402.00		2760.85	Sierrita
					5/13/09	409.00		Dynamic		BW, 2015a
					12/15/09	408.80		Dynamic		BW, 2015a
					4/12/10		405.68		2757.17	Sierrita
					3/9/11	399.82		Dynamic		BW, 2015a
					4/14/11	399.44		Static		BW, 2015a
					6/29/11		339.30		2823.55	Sierrita
					6/29/11	399.30		Static		BW, 2015a
					7/12/11	399.56		Static		BW, 2015a
					8/25/11	400.05		Static		BW, 2015a
					12/29/11	398.25		Static		BW, 2015a
					1/26/12	400.69		Static		BW, 2015a
					2/28/12	401.00		Static		BW, 2015a
					3/29/12	401.53		Static		BW, 2015a
					6/27/12		402.80		2760.05	Sierrita
					6/27/12	402.80		Static		BW, 2015a
					7/31/12	432.47		Static		BW, 2015a
					8/22/12	403.78		Static		BW, 2015a
					9/26/12	404.54		Static		BW, 2015a
					10/26/12	405.16		Static		BW, 2015a
					11/27/12	405.72		Static		BW, 2015a
					5/14/13		407.10	Static	2755.75	Sierrita
					5/14/13	407.10		Static		BW, 2015a
					6/25/13	407.10		Static		BW, 2015a
					8/1/13	406.93		Static		BW, 2015a
					10/28/13	408.18		Static		BW, 2015a
					1/28/14		409.04	Static	2753.81	Sierrita
					2/24/14		410.15	Static	2752.70	Sierrita
					3/24/14		411.11	Static	2751.74	Sierrita
					4/25/14		411.92	Static	2750.93	Sierrita
					5/30/14		411.90	Static	2750.95	Sierrita
					6/25/15		414.08	Static	2748.77	Sierrita
					7/18/15		414.05	Static	2748.80	Sierrita
					10/7/15		414.40	Static	2748.45	Sierrita
					1/12/16		414.68	Static	2748.17	Sierrita
					4/29/16		414.74	Static	2748.11	Sierrita
					10/5/16		413.48	Static	2749.37	BW
					4/18/17		412.82	Static	2750.03	Sierrita
					7/20/17		412.55	Static	2750.30	BW
					10/25/17		412.25	Static	2750.60	BW
					5/22/18		411.55	Static	2751.30	BW
					9/25/18		410.79	Static	2752.06	BW
IW-17	545560	3525002.869	497373.717	3160.76	1/14/06	423.54		Static		BW, 2015a
					2/17/06	426.60		Dynamic		BW, 2015a
					3/14/06	427.00		Dynamic		BW, 2015a
					4/15/06	427.50		Dynamic		BW, 2015a
					5/14/06	427.70		Dynamic		BW, 2015a
					6/10/06	427.60		Dynamic		BW, 2015a
					7/16/06	428.10		Dynamic		BW, 2015a
					8/13/06	426.35		Static		BW, 2015a
					9/16/06	428.81		Dynamic		BW, 2015a
					10/20/06	428.72		Dynamic		BW, 2015a
					11/11/06	429.15		Dynamic		BW, 2015a
					11/15/06		429.15		2731.61	Sierrita
					12/16/06	429.25		Dynamic		BW, 2015a
					1/29/07	429.58		Dynamic		BW, 2015a
					2/24/07		429.70		2731.06	Sierrita
					2/24/07	429.70		Dynamic		BW, 2015a
					3/17/07	429.50		Dynamic		BW, 2015a

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Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-17	545560	3525002.869	497373.717	3160.76	4/24/07	428.80		Dynamic		BW, 2015a
					5/30/07	429.60		Dynamic		BW, 2015a
					6/22/07	428.25		Dynamic		BW, 2015a
					7/26/07		427.97		2732.79	Sierrita
					8/29/07	428.35		Dynamic		BW, 2015a
					10/16/07		427.70		2733.06	Sierrita
					11/29/07	427.48		Dynamic		BW, 2015a
					1/29/08		428.12		2732.64	Sierrita
					1/29/08	428.12		Dynamic		BW, 2015a
					2/28/08	427.95		Dynamic		BW, 2015a
					3/31/08	428.30		Dynamic		BW, 2015a
					4/22/08		428.23		2732.53	Sierrita
					4/30/08	428.23		Dynamic		BW, 2015a
					5/27/08	428.50		Dynamic		BW, 2015a
					6/30/08	428.33		Dynamic		BW, 2015a
					7/29/08		428.40		2732.36	Sierrita
					7/29/08	428.40		Dynamic		BW, 2015a
					8/29/08	428.00		Dynamic		BW, 2015a
					9/29/08	428.33		Dynamic		BW, 2015a
					10/24/08		428.45		2732.31	Sierrita
					10/24/08	428.45		Dynamic		BW, 2015a
					1/29/09		428		2732.76	Sierrita
					3/10/09	425.00		Static		BW, 2015a
					5/13/09		425.00		2735.76	Sierrita
					5/13/09	428.00		Dynamic		BW, 2015a
					12/15/09	427.60		Dynamic		BW, 2015a
					4/12/10		425.12		2735.64	Sierrita
					3/9/11	423.13		Dynamic		BW, 2015a
					4/14/11	422.59		Static		BW, 2015a
					6/29/11		422.10		2738.66	Sierrita
					6/29/11	422.10		Static		BW, 2015a
					7/12/11	421.01		Static		BW, 2015a
					8/25/11	422.00		Static		BW, 2015a
					12/29/11	422.00		Static		BW, 2015a
					1/26/12	423.06		Static		BW, 2015a
					2/28/12	423.15		Static		BW, 2015a
					3/29/12	423.21		Static		BW, 2015a
					6/27/12		424.10		2736.66	Sierrita
					6/27/12	424.10		Static		BW, 2015a
					7/31/12	429.62		Static		BW, 2015a
					8/22/12	424.92		Static		BW, 2015a
					9/26/12	425.55		Static		BW, 2015a
					10/26/12	426.15		Static		BW, 2015a
					11/27/12	426.82		Static		BW, 2015a
					5/14/13		428.86	Static	2731.90	Sierrita
					5/14/13	428.86		Static		BW, 2015a
					6/25/13	428.86		Static		BW, 2015a
					8/1/13	428.94		Static		BW, 2015a
					10/28/13	429.63		Static		BW, 2015a
					1/28/14		432.11	Static	2728.65	Sierrita
					2/24/14		422.09	Static	2738.67	Sierrita
					3/24/14		435.40	Static	2725.36	Sierrita
					4/25/14		437.29	Static	2723.47	Sierrita
					5/30/14		437.35	Static	2723.41	Sierrita
					6/25/15		443.59	Static	2717.17	Sierrita
					7/18/15		443.60	Static	2717.16	Sierrita
					10/7/15		444.35	Static	2716.41	Sierrita
					1/12/16		444.90	Static	2715.86	Sierrita
					4/29/16		445.02	Static	2715.74	Sierrita
					10/5/16		444.65	Static	2716.11	BW
					4/18/17		444.20	Static	2716.56	Sierrita
					7/20/17		444.30	Static	2716.46	BW
					10/25/17		443.80	Static	2716.96	BW
					5/22/18		443.90	Static	2716.86	BW
					9/25/18		443.45	Static	2717.31	BW
IW-18	545561	3525169.771	497374.056	3171.15	1/14/06	441.60		Static		BW, 2015a
					2/20/06	450.55		Dynamic		BW, 2015a
					3/14/06	450.40		Dynamic		BW, 2015a
					4/15/06	448.70		Dynamic		BW, 2015a
					5/14/06	446.80		Dynamic		BW, 2015a

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-18	545561	3525169.771	497374.056	3171.15	6/10/06	447.02		Dynamic		BW, 2015a
					7/16/06	448.21		Dynamic		BW, 2015a
					8/13/06	448.90		Dynamic		BW, 2015a
					9/16/06	448.98		Dynamic		BW, 2015a
					10/20/06	448.50		Dynamic		BW, 2015a
					11/10/06	449.35		Dynamic		BW, 2015a
					11/21/06		449.02		2722.13	Sierrita
					12/16/06	449.68		Dynamic		BW, 2015a
					1/17/07	444.50		Static		BW, 2015a
					2/24/07		449.55		2721.60	Sierrita
					2/24/07	449.55		Dynamic		BW, 2015a
					3/19/07	448.80		Dynamic		BW, 2015a
					4/24/07	447.80		Dynamic		BW, 2015a
					5/29/07	447.19		Dynamic		BW, 2015a
					6/22/07	446.50		Dynamic		BW, 2015a
					7/21/07		446.35		2724.80	Sierrita
					8/29/07	446.40		Dynamic		BW, 2015a
					10/16/07		445.25		2725.90	Sierrita
					11/28/07	445.00		Dynamic		BW, 2015a
					1/19/08		446.75		2724.40	Sierrita
					1/29/08	446.75		Dynamic		BW, 2015a
					2/28/08	447.00		Dynamic		BW, 2015a
					3/31/08	447.35		Dynamic		BW, 2015a
					4/21/08		447.48		2723.67	Sierrita
					4/30/08	447.48		Dynamic		BW, 2015a
					5/27/08	447.80		Dynamic		BW, 2015a
					6/30/08	447.47		Dynamic		BW, 2015a
					7/29/08		447.00		2724.15	Sierrita
					7/29/08	447.00		Dynamic		BW, 2015a
					8/29/08	446.80		Dynamic		BW, 2015a
					9/29/08	446.36		Dynamic		BW, 2015a
					10/24/08		446.30		2724.85	Sierrita
					10/24/08	446.30		Dynamic		BW, 2015a
					1/29/09		447		2724.15	Sierrita
					3/10/09	441.50		Static		BW, 2015a
					5/13/09		441.50		2729.65	Sierrita
					5/13/09	447.00		Dynamic		BW, 2015a
					12/15/09	447.20		Dynamic		BW, 2015a
					4/12/10		442.94		2728.21	Sierrita
					3/9/11	436.89		Dynamic		BW, 2015a
					4/14/11	432.82		Static		BW, 2015a
					6/29/11		435.35		2735.80	Sierrita
					6/29/11	435.35		Static		BW, 2015a
					7/12/11	435.16		Static		BW, 2015a
					8/25/11	435.50		Static		BW, 2015a
					12/29/11	434.90		Static		BW, 2015a
					1/26/12	436.09		Static		BW, 2015a
					2/28/12	436.22		Static		BW, 2015a
					3/29/12	436.47		Static		BW, 2015a
					6/27/12		436.97		2734.18	Sierrita
					6/27/12	436.97		Static		BW, 2015a
					7/31/12	437.20		Static		BW, 2015a
					8/22/12	437.68		Static		BW, 2015a
					9/26/12	438.78		Static		BW, 2015a
					10/26/12	439.56		Static		BW, 2015a
					11/27/12	440.41		Static		BW, 2015a
					5/14/13		443.11	Static	2728.04	Sierrita
					5/14/13	443.11		Static		BW, 2015a
					6/25/13	443.11		Static		BW, 2015a
					8/1/13	442.87		Static		BW, 2015a
					10/28/13	441.41		Static		BW, 2015a
					1/28/14		447.78	Static	2723.37	Sierrita
					2/24/14		449.75	Static	2721.40	Sierrita
					3/24/14		451.75	Static	2719.40	Sierrita
					4/25/14		453.68	Static	2717.47	Sierrita
					5/30/14		453.70	Static	2717.45	Sierrita
					6/25/15		UTM		NA	Sierrita
					10/7/15		UTM		NA	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-18	545561	3525169.771	497374.056	3171.15	1/12/16		461.82	Static	2709.33	Sierrita
					4/29/16		461.72	Static	2709.43	Sierrita
					10/5/16		462.02	Static	2709.13	BW
					4/18/17		461.42	Static	2709.73	Sierrita
					7/20/17		461.95	Static	2709.20	BW
					5/22/18		461.80	Static	2709.35	BW
IW-19	545562	3525343.392	497373.630	3155.39	1/14/06	449.07		Dynamic		BW, 2015a
					2/20/06	447.90		Dynamic		BW, 2015a
					3/14/06	448.30		Dynamic		BW, 2015a
					4/15/06	449.90		Dynamic		BW, 2015a
					5/14/06	444.50		Dynamic		BW, 2015a
					6/10/06	445.36		Dynamic		BW, 2015a
					7/16/06	447.60		Dynamic		BW, 2015a
					8/13/06	447.80		Dynamic		BW, 2015a
					9/16/06	447.38		Dynamic		BW, 2015a
					10/20/06	448.80		Dynamic		BW, 2015a
					11/11/06	418.60		Static		BW, 2015a
					11/21/06		418.60		2736.79	Sierrita
					12/16/06	448.60		Dynamic		BW, 2015a
					1/29/07	448.65		Dynamic		BW, 2015a
					2/23/07		444.65		2710.74	Sierrita
					2/23/07	444.65		Dynamic		BW, 2015a
					3/16/07	443.38		Dynamic		BW, 2015a
					4/24/07	441.30		Dynamic		BW, 2015a
					5/29/07	433.70		Dynamic		BW, 2015a
					6/22/07	432.95		Dynamic		BW, 2015a
					7/26/07		435.85		2719.54	Sierrita
					8/29/07	435.05		Dynamic		BW, 2015a
					11/29/07	450.52		Dynamic		BW, 2015a
					1/29/08		451.28		2704.11	Sierrita
					1/29/08	451.28		Dynamic		BW, 2015a
					2/28/08	451.22		Dynamic		BW, 2015a
					3/31/08	452.19		Dynamic		BW, 2015a
					4/21/08		452.00		2703.39	Sierrita
					4/30/08	452.00		Dynamic		BW, 2015a
					5/27/08	452.45		Dynamic		BW, 2015a
					6/30/08	451.40		Dynamic		BW, 2015a
					7/29/08		451.88		2703.51	Sierrita
					7/29/08	451.88		Dynamic		BW, 2015a
					8/29/08	450.25		Dynamic		BW, 2015a
					9/29/08	450.35		Dynamic		BW, 2015a
					10/24/08		451.08		2704.31	Sierrita
					10/24/08	451.08		Dynamic		BW, 2015a
					1/29/09		451		2704.39	Sierrita
					3/10/09	413.90		Static		BW, 2015a
					5/13/09		413.90		2741.49	Sierrita
					5/13/09	450.00		Dynamic		BW, 2015a
					12/15/09	448.30		Dynamic		BW, 2015a
					4/12/10		445.24		2710.15	Sierrita
					3/9/11	437.57		Dynamic		BW, 2015a
					4/14/11	407.82		Static		BW, 2015a
					5/11/11		436.15		2719.24	Sierrita
					5/11/11	436.15		Dynamic		BW, 2015a
					6/29/11	430.75		Dynamic		BW, 2015a
					7/12/11	407.21		Static		BW, 2015a
					8/25/11	399.60				BW, 2015a
					12/29/11	433.09		Dynamic		BW, 2015a
					1/26/12	433.88		Dynamic		BW, 2015a
					2/28/12	408.38		Static		BW, 2015a
					3/29/12	434.42		Dynamic		BW, 2015a
					5/22/12		432.62		2722.77	Sierrita
					5/22/12	432.62		Dynamic		BW, 2015a
					6/27/12	409.19		Static		BW, 2015a
					8/22/12	409.73		Static		BW, 2015a
					9/26/12	435.37		Dynamic		BW, 2015a
					10/26/12	411.86		Static		BW, 2015a
					11/27/12	437.02		Dynamic		BW, 2015a
					5/14/13		439.33	Dynamic	2716.06	Sierrita
					6/25/13	415.12		Static		BW, 2015a
					7/31/13	438.92		Dynamic		BW, 2015a
					8/1/13	415.19		Static		BW, 2015a

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-19	545562	3525343.392	497373.630	3155.39	10/28/13	416.00		Static		BW, 2015a
					11/28/13	468.62		Dynamic		BW, 2015a
					1/28/14		465.41	Dynamic	2689.98	Sierrita
					1/28/14	465.41		Dynamic		BW, 2015a
					2/24/14	422.21		Static		BW, 2015a
					2/25/14		422.21	Static	2733.18	Sierrita
					3/24/14		469.27	Dynamic	2686.12	Sierrita
					3/31/14	469.27		Dynamic		BW, 2015a
					4/28/14		425.55	Dynamic	2729.84	Sierrita
					5/30/14		469.21	Dynamic	2686.18	Sierrita
					5/30/14	469.21		Dynamic		BW, 2015a
					6/9/14		473.38	Dynamic	2682.01	Sierrita
					6/9/14	473.38		Dynamic		BW, 2015a
					7/7/14		474.40	Dynamic	2680.99	Sierrita
					7/7/14	473.57		Dynamic		BW, 2015a
					7/31/14		473.70	Dynamic	2681.69	Sierrita
					7/31/14	473.70		Dynamic		BW, 2015a
					8/27/14		428.00	Static	2727.39	Sierrita
					8/27/14	428.00		Static		BW, 2015a
					10/1/14		475.80	Dynamic	2679.59	Sierrita
					10/1/14	474.97		Dynamic		BW, 2015a
					11/4/14		475.50	Dynamic	2679.89	Sierrita
					11/4/14	474.67		Dynamic		BW, 2015a
					12/2/14		476.05	Dynamic	2679.34	Sierrita
					12/2/14	475.22		Dynamic		BW, 2015a
					4/9/15		482.20	Dynamic	2673.19	Sierrita
					5/2/15		488.30	Dynamic	2667.09	Sierrita
					6/11/15		431.40	Static	2723.99	Sierrita
					7/18/15		435.95	Static	2719.44	Sierrita
					10/7/15		439.15	Static	2716.24	Sierrita
					11/4/15		504.00	Dynamic	2651.39	Sierrita
					12/9/15		439.95	Static	2715.44	Sierrita
					1/12/16		507.40	Dynamic	2647.99	Sierrita
					2/11/16		506.30	Dynamic	2649.09	BW
					3/4/16		439.55	Static	2715.84	BW
					4/29/16		435.95	Static	2719.44	Sierrita
					10/5/16		506.30	Dynamic	2649.09	BW
					4/18/17		483.60	Dynamic	2671.79	Sierrita
					7/20/17		506.00	Dynamic	2649.39	BW
					5/22/18		502.70	Dynamic	2652.69	BW
IW-20	545563	3525568.770	497364.739	3164.21	1/14/06	450.32		Dynamic		BW, 2015a
					2/20/06	451.65		Dynamic		BW, 2015a
					3/14/06	453.50		Dynamic		BW, 2015a
					4/15/06	450.23		Dynamic		BW, 2015a
					5/14/06	450.33		Dynamic		BW, 2015a
					6/10/06	450.60		Dynamic		BW, 2015a
					7/16/06	442.80		Dynamic		BW, 2015a
					8/13/06	450.55		Dynamic		BW, 2015a
					9/16/06	435.70		Dynamic		BW, 2015a
					10/20/06	441.60		Dynamic		BW, 2015a
					11/11/06	421.25		Static		BW, 2015a
					11/21/06		421.25		2742.96	Sierrita
					12/16/06	449.60		Dynamic		BW, 2015a
					1/29/07		445.30		2718.91	Sierrita
					1/29/07	445.30		Dynamic		BW, 2015a
					3/16/07	417.72		Static		BW, 2015a
					4/24/07	428.00		Dynamic		BW, 2015a
					5/29/07	427.60		Dynamic		BW, 2015a
					6/22/07	427.20		Dynamic		BW, 2015a
					7/26/07		426.21		2738.00	Sierrita
					8/29/07	447.90		Dynamic		BW, 2015a
					10/16/07		424.15		2740.06	Sierrita
					11/29/07	423.30		Dynamic		BW, 2015a
					1/29/08		424.65		2739.56	Sierrita
					1/29/08	424.65		Dynamic		BW, 2015a
					2/28/08	424.68		Dynamic		BW, 2015a
					3/31/08	425.05		Dynamic		BW, 2015a
					4/21/08		425.15		2739.06	Sierrita
					4/30/08	425.15		Dynamic		BW, 2015a
					5/27/08	425.18		Dynamic		BW, 2015a
					6/30/08	423.04		Dynamic		BW, 2015a

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-20	545563	3525568.770	497364.739	3164.21	7/29/08		422.99		2741.22	Sierrita
					7/29/08	422.99		Dynamic		BW, 2015a
					8/29/08	424.44		Dynamic		BW, 2015a
					9/29/08	424.04		Dynamic		BW, 2015a
					10/24/08		424.14		2740.07	Sierrita
					10/24/08	424.14		Dynamic		BW, 2015a
					1/29/09		442		2722.21	Sierrita
					3/10/09	414.00		Static		BW, 2015a
					5/13/09		414.00		2750.21	Sierrita
					5/13/09	423.00		Dynamic		BW, 2015a
					12/15/09	418.80		Dynamic		BW, 2015a
					4/29/10		418.07		2746.14	Sierrita
					3/9/11	412.78		Dynamic		BW, 2015a
					4/14/11	407.11		Static		BW, 2015a
					5/11/11		413.15		2751.06	Sierrita
					5/11/11	413.15		Dynamic		BW, 2015a
					6/29/11	412.53		Dynamic		BW, 2015a
					7/12/11	406.25		Static		BW, 2015a
					8/25/11	412.15		Dynamic		BW, 2015a
					12/29/11	412.80		Dynamic		BW, 2015a
					1/26/12	406.99		Static		BW, 2015a
					2/28/12	408.09		Static		BW, 2015a
					3/29/12	414.89		Dynamic		BW, 2015a
					6/20/12		414.50		2749.71	Sierrita
					6/27/12	407.99		Static		BW, 2015a
					8/22/12	409.11		Static		BW, 2015a
					9/26/12	419.49		Dynamic		BW, 2015a
					10/26/12	411.89		Static		BW, 2015a
					11/27/12	419.84		Dynamic		BW, 2015a
					6/17/13		417.26	Dynamic	2746.95	Sierrita
					6/17/13	417.26		Dynamic		BW, 2015a
					6/25/13	413.74		Static		BW, 2015a
					8/1/13	415.77		Static		BW, 2015a
					9/30/13	421.16		Dynamic		BW, 2015a
					10/28/13	413.71		Static		BW, 2015a
					11/28/13	421.93		Dynamic		BW, 2015a
					12/9/13	417.48		Static		BW, 2015a
					1/28/14		424.25	Dynamic	2739.96	Sierrita
					1/28/14	424.25		Dynamic		BW, 2015a
					2/24/14	420.71		Static		BW, 2015a
					2/25/14		420.71	Static	2743.50	Sierrita
					3/24/14		427.83	Dynamic	2736.38	Sierrita
					3/31/14	427.83		Dynamic		BW, 2015a
					4/28/14		421.94	Dynamic	2742.27	Sierrita
					5/30/14		427.89	Dynamic	2736.32	Sierrita
					5/30/14	427.89		Dynamic		BW, 2015a
					6/9/14		429.20	Dynamic	2735.01	Sierrita
					6/9/14	429.20		Dynamic		BW, 2015a
					7/7/14		430.10	Dynamic	2734.11	Sierrita
					7/7/14	429.77		Dynamic		BW, 2015a
					7/31/14		430.00	Dynamic	2734.21	Sierrita
					7/31/14	430.00		Dynamic		BW, 2015a
					8/27/14		424.80	Static	2739.41	Sierrita
					8/27/14	424.80		Static		BW, 2015a
					10/1/14		432.80	Dynamic	2731.41	Sierrita
					10/1/14	432.47		Dynamic		BW, 2015a
					11/4/14		432.90	Dynamic	2731.31	Sierrita
					11/4/14	432.57		Dynamic		BW, 2015a
					12/2/14		435.80	Dynamic	2728.41	Sierrita
					12/2/14	435.47		Dynamic		BW, 2015a
					4/9/15		431.30	Static	2732.91	Sierrita
					5/2/15		431.75	Static	2732.46	Sierrita
					6/11/15		430.80	Static	2733.41	Sierrita
					7/18/15		434.65	Static	2729.56	Sierrita
					10/7/15		437.70	Static	2726.51	Sierrita
					11/4/15		437.80	Static	2726.41	Sierrita
					12/9/15		438.60	Static	2725.61	Sierrita
					1/12/16		439.80	Static	2724.41	Sierrita
					2/11/16		439.15	Static	2725.06	BW
					3/4/16		438.70	Static	2725.51	BW

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-20	545563	3525568.770	497364.739	3164.21	4/29/16		438.88	Static	2725.33	Sierrita
					10/5/16		435.00	Static	2729.21	BW
					4/18/17		432.09	Static	2732.12	Sierrita
					7/20/17		431.00	Static	2733.21	BW
					10/25/17		429.22	Static	2734.99	BW
					5/22/18		428.80	Static	2735.41	BW
					9/25/18		428.70	Static	2735.51	BW
IW-21	545564	3525773.266	497374.585	3171.37	1/14/06	452.50		Dynamic		BW, 2015a
					2/20/06	455.75		Dynamic		BW, 2015a
					3/14/06	452.00		Dynamic		BW, 2015a
					4/15/06	453.20		Dynamic		BW, 2015a
					5/14/06	447.90		Dynamic		BW, 2015a
					6/10/06	448.00		Dynamic		BW, 2015a
					7/16/06	450.16		Dynamic		BW, 2015a
					8/13/06	450.10		Dynamic		BW, 2015a
					9/16/06	449.10		Dynamic		BW, 2015a
					10/20/06	448.28		Dynamic		BW, 2015a
					11/11/06	424.80		Static		BW, 2015a
					11/21/06		424.80		2746.57	Sierrita
					12/16/06	450.70		Dynamic		BW, 2015a
					1/29/07	451.68		Dynamic		BW, 2015a
					2/23/07		449.65		2721.72	Sierrita
					2/23/07	449.65		Dynamic		BW, 2015a
					3/16/07	448.68		Dynamic		BW, 2015a
					4/24/07	447.70		Dynamic		BW, 2015a
					5/29/07	446.36		Dynamic		BW, 2015a
					6/22/07	444.15		Dynamic		BW, 2015a
					7/26/07		454.04		2717.33	Sierrita
					8/29/07	443.35		Dynamic		BW, 2015a
					10/16/07		442.10		2729.27	Sierrita
					11/29/07	441.00		Dynamic		BW, 2015a
					1/29/08		441.68		2729.69	Sierrita
					1/29/08	441.68		Dynamic		BW, 2015a
					2/28/08	441.61		Dynamic		BW, 2015a
					3/31/08	442.00		Dynamic		BW, 2015a
					4/21/08		441.50		2729.87	Sierrita
					4/30/08	441.50		Dynamic		BW, 2015a
					5/27/08	439.42		Dynamic		BW, 2015a
					7/29/08		454.00		2717.37	Sierrita
					7/29/08	454.00		Dynamic		BW, 2015a
					8/29/08	455.94		Dynamic		BW, 2015a
					9/29/08	456.00		Dynamic		BW, 2015a
					10/24/08		443.08		2728.29	Sierrita
					10/24/08	455.89		Dynamic		BW, 2015a
					1/29/09		484		2687.37	Sierrita
					3/10/09	415.60		Static		BW, 2015a
					5/13/09		415.60		2755.77	Sierrita
					5/13/09	452.00		Dynamic		BW, 2015a
					12/15/09	447.50		Dynamic		BW, 2015a
					5/11/11		736.00		2435.37	Sierrita
					4/15/13		612.58	Dynamic	2558.79	Sierrita
					1/28/14		Obstructed		NA	Sierrita
					3/24/14		Obstructed		NA	Sierrita
					4/25/14		Obstructed		NA	Sierrita
					5/30/14		Obstructed		NA	Sierrita
					6/9/14		Obstructed		NA	Sierrita
					7/7/14		Obstructed		NA	Sierrita
					7/31/14		Obstructed		NA	Sierrita
					8/27/14		Obstructed		NA	Sierrita
					10/1/14		Obstructed		NA	Sierrita
					11/4/14		Obstructed		NA	Sierrita
					12/2/14		Obstructed		NA	Sierrita
					12/2/14	506.93		Dynamic		BW, 2015a
					4/9/15		504.10	Dynamic	2667.27	Sierrita
					5/2/15		501.80	Dynamic	2669.57	Sierrita
					6/11/15		433.70	Static	2737.67	Sierrita
					7/18/15		498.30	Dynamic	2673.07	Sierrita
					10/7/15		512.00	Dynamic	2659.37	Sierrita
					11/4/15		510.90	Dynamic	2660.47	Sierrita
					12/9/15		502.70	Dynamic	2668.67	Sierrita
					1/12/16		UTM		NA	Sierrita
					2/11/16		511.10	Dynamic	2660.27	BW

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-21	545564	3525773.266	497374.585	3171.37	3/4/16		437.10	Static	2734.27	BW
					4/29/16		510.10	Dynamic	2661.27	Sierrita
					10/5/16		436.30	Static	2735.07	BW
					4/18/17		431.37	Static	2740.00	Sierrita
					7/20/17		430.23	Static	2741.14	BW
					10/25/17		428.70	Static	2742.67	BW
					5/22/18		425.80	Static	2745.57	BW
IW-22	200554	3523273.592	497369.590	3128.25	1/14/06	469.88		Dynamic		BW, 2015a
					2/20/06	470.92		Dynamic		BW, 2015a
					3/14/06	390.50		Static		BW, 2015a
					4/15/06	477.00		Dynamic		BW, 2015a
					5/14/06	462.00		Dynamic		BW, 2015a
					6/10/06	461.37		Dynamic		BW, 2015a
					7/16/06	460.80		Dynamic		BW, 2015a
					8/13/06	464.28		Dynamic		BW, 2015a
					9/16/06	466.65		Dynamic		BW, 2015a
					10/20/06	465.25		Dynamic		BW, 2015a
					11/11/06	434.75		Dynamic		BW, 2015a
					11/21/06		434.75		2693.50	Sierrita
					12/16/06	432.65		Dynamic		BW, 2015a
					1/29/07	439.45		Dynamic		BW, 2015a
					2/24/07		433.58		2694.67	Sierrita
					2/24/07	433.58		Dynamic		BW, 2015a
					3/17/07	434.90		Dynamic		BW, 2015a
					4/24/07	435.60		Dynamic		BW, 2015a
					5/30/07	435.10		Dynamic		BW, 2015a
					6/22/07	438.55		Dynamic		BW, 2015a
					7/31/07		430.00		2698.25	Sierrita
					8/29/07	436.75		Dynamic		BW, 2015a
					10/18/07		435.75		2692.50	Sierrita
					11/29/07	436.90		Dynamic		BW, 2015a
					1/29/08		438.50		2689.75	Sierrita
					1/29/08	438.50		Dynamic		BW, 2015a
					2/29/08	437.50		Dynamic		BW, 2015a
					3/31/08	436.90		Dynamic		BW, 2015a
					4/25/08		439.30		2688.95	Sierrita
					4/30/08	439.30		Dynamic		BW, 2015a
					5/27/08	439.00		Dynamic		BW, 2015a
					6/30/08	441.00		Dynamic		BW, 2015a
					7/29/08		442.08		2686.17	Sierrita
					7/29/08	442.08		Dynamic		BW, 2015a
					8/29/08	442.80		Dynamic		BW, 2015a
					9/29/08	443.06		Dynamic		BW, 2015a
					10/24/08		455.89		2672.36	Sierrita
					10/24/08	443.08		Dynamic		BW, 2015a
					1/21/09		442		2686.25	Sierrita
					3/10/09	384.00		Static		BW, 2015a
					5/13/09		384.00		2744.25	Sierrita
					5/13/09	443.00		Dynamic		BW, 2015a
					12/15/09	438.00		Dynamic		BW, 2015a
					4/12/10		434.62		2693.63	Sierrita
					3/9/11	424.56		Dynamic		BW, 2015a
					4/15/11	378.72		Static		BW, 2015a
					5/11/11		431.21		2697.04	Sierrita
					5/11/11	431.21		Dynamic		BW, 2015a
					6/27/11	430.12		Dynamic		BW, 2015a
					7/12/11	369.50		Static		BW, 2015a
					8/23/11	433.80		Dynamic		BW, 2015a
					12/29/11	402.80		Dynamic		BW, 2015a
					1/26/12	418.31		Dynamic		BW, 2015a
					3/29/12	452.67		Dynamic		BW, 2015a
					5/22/12		448.78		2679.47	Sierrita
					5/22/12	448.78		Dynamic		BW, 2015a
					6/27/12	382.79		Static		BW, 2015a
					7/31/12	442.68		Dynamic		BW, 2015a
					8/22/12	400.60		Static		BW, 2015a
					9/26/12	462.71		Dynamic		BW, 2015a
					10/26/12	408.11		Static		BW, 2015a
					11/27/12	460.35		Dynamic		BW, 2015a
					4/15/13		459.72	Dynamic	2668.53	Sierrita
					6/25/13	408.44		Static		BW, 2015a

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-22	200554	3523273.592	497369.590	3128.25	7/31/13	467.14		Dynamic		BW, 2015a
					8/1/13	408.82		Static		BW, 2015a
					9/30/13	467.52		Dynamic		BW, 2015a
					10/29/13	415.89		Static		BW, 2015a
					11/28/13	468.90		Dynamic		BW, 2015a
					12/9/13	414.17		Static		BW, 2015a
					1/28/14	467.14		Dynamic		BW, 2015a
					1/29/14		467.14	Dynamic	2661.11	Sierrita
					2/24/14	414.41		Static		BW, 2015a
					2/25/14		414.41	Static	2713.84	Sierrita
					3/24/14		471.95	Dynamic	2656.30	Sierrita
					3/31/14	471.95		Dynamic		BW, 2015a
					4/28/14		411.44		2716.81	Sierrita
					5/30/14		466.14	Dynamic	2662.11	Sierrita
					5/30/14	466.14		Dynamic		BW, 2015a
					6/9/14		461.20	Dynamic	2667.05	Sierrita
					6/9/14	461.20		Dynamic		BW, 2015a
					7/7/14		459.10	Dynamic	2669.15	Sierrita
					7/7/14	458.43		Dynamic		BW, 2015a
					7/31/14		452.40	Dynamic	2675.85	Sierrita
					7/31/14	452.40		Dynamic		BW, 2015a
					8/27/14		397.80	Static	2730.45	Sierrita
					8/27/14	397.80		Static		BW, 2015a
					10/1/14		461.00	Dynamic	2667.25	Sierrita
					10/1/14	460.33		Dynamic		BW, 2015a
					11/4/14		452.80	Dynamic	2675.45	Sierrita
					11/4/14	452.13		Dynamic		BW, 2015a
					12/2/14		453.20	Dynamic	2675.05	Sierrita
					12/2/14	452.53		Dynamic		BW, 2015a
					4/9/15		451.70	Dynamic	2676.55	Sierrita
					5/2/15		400.60	Static	2727.65	Sierrita
					6/11/15		400.10	Static	2728.15	Sierrita
					7/8/15		462.90	Dynamic	2665.35	Sierrita
					10/7/15		475.40	Dynamic	2652.85	Sierrita
					11/4/15		464.55	Dynamic	2663.70	Sierrita
					12/9/15		472.90	Dynamic	2655.35	Sierrita
					1/12/16		470.30	Dynamic	2657.95	Sierrita
					2/11/16		464.35	Dynamic	2663.90	BW
					3/4/16		412.40	Static	2715.85	BW
					4/29/16		456.20	Dynamic	2672.05	Sierrita
					10/5/16		401.17	Static	2727.08	BW
					4/18/17		463.95	Dynamic	2664.30	Sierrita
					7/20/17		449.55	Dynamic	2678.70	BW
					10/25/17		394.60	Static	2733.65	BW
					5/22/18		389.20	Static	2739.05	BW
					9/25/18		387.50	Static	2740.75	BW
IW-23	200555	3522970.788	497369.237	3128.53	1/14/06	464.40		Dynamic		BW, 2015a
					3/14/06	377.75		Static		BW, 2015a
					4/15/06	504.00		Dynamic		BW, 2015a
					5/14/06	472.25		Dynamic		BW, 2015a
					6/10/06	490.55		Dynamic		BW, 2015a
					7/16/06	470.30		Dynamic		BW, 2015a
					11/11/06	544.50		Dynamic		BW, 2015a
					12/16/06		544.50		2584.03	Sierrita
					12/16/06	493.02		Dynamic		BW, 2015a
					1/29/07	497.00		Dynamic		BW, 2015a
					2/24/07		499.20		2629.33	Sierrita
					2/24/07	499.20		Dynamic		BW, 2015a
					3/17/07	496.00		Dynamic		BW, 2015a
					4/24/07	491.30		Dynamic		BW, 2015a
					5/30/07	497.70		Dynamic		BW, 2015a
					6/26/07	503.30		Dynamic		BW, 2015a
					7/31/07		500.00		2628.53	Sierrita
					8/29/07	500.50		Dynamic		BW, 2015a
					10/18/07		518.95		2609.58	Sierrita
					3/10/09	375.00		Static		BW, 2015a
					5/13/09		375.00		2753.53	Sierrita
					5/13/09	510.00		Dynamic		BW, 2015a
					4/12/10		538.78		2589.75	Sierrita
					3/9/11	384.85				BW, 2015a
					4/15/11	369.88		Static		BW, 2015a
					5/11/11		516.15		2612.38	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-23	200555	3522970.788	497369.237	3128.53	5/11/11	516.15		Dynamic		BW, 2015a
					6/27/11	525.00		Dynamic		BW, 2015a
					7/12/11	372.42		Static		BW, 2015a
					8/23/11	538.30		Dynamic		BW, 2015a
					12/29/11	534.50		Dynamic		BW, 2015a
					1/26/12	529.71		Dynamic		BW, 2015a
					3/29/12	546.38		Dynamic		BW, 2015a
					5/22/12		523.21		2605.32	Sierrita
					5/22/12	523.21		Dynamic		BW, 2015a
					8/22/12	381.70		Static		BW, 2015a
					9/26/12	535.61		Dynamic		BW, 2015a
					10/26/12	384.71		Static		BW, 2015a
					11/27/12	483.41		Dynamic		BW, 2015a
					4/15/13		482.11	Dynamic	2646.42	Sierrita
					6/25/13	385.08		Static		BW, 2015a
					8/1/13	385.44		Static		BW, 2015a
					9/30/13	426.62		Dynamic		BW, 2015a
					10/30/13	394.39		Static		BW, 2015a
					11/28/13	428.20		Dynamic		BW, 2015a
					12/9/13	387.59		Static		BW, 2015a
					1/28/14	528.47		Dynamic		BW, 2015a
					1/29/14		528.47	Dynamic	2600.06	Sierrita
					2/24/14	389.51		Static		BW, 2015a
					2/25/14		389.51	Static	2739.02	Sierrita
					3/24/14		Obstructed		NA	Sierrita
					4/28/14		385.17	Dynamic	2743.36	Sierrita
					5/30/14		519.31	Dynamic	2609.22	Sierrita
					5/30/14	519.31		Dynamic		BW, 2015a
					6/9/14		546.60	Dynamic	2581.93	Sierrita
					6/9/14	546.60		Dynamic		BW, 2015a
					7/6/14		546.60	Dynamic	2581.93	Sierrita
					7/6/14	545.73		Dynamic		BW, 2015a
					7/31/14		534.90	Dynamic	2593.63	Sierrita
					7/31/14	534.90		Dynamic		BW, 2015a
					8/27/14		Insufficient Flow		NA	Sierrita
					10/1/14		546.65	Dynamic	2581.88	Sierrita
					10/1/14	545.78		Dynamic		BW, 2015a
					11/4/14		525.20	Dynamic	2603.33	Sierrita
					11/4/14	524.33		Dynamic		BW, 2015a
					12/2/14		539.60	Dynamic	2588.93	Sierrita
					12/2/14	538.73		Dynamic		BW, 2015a
					4/9/15		471.70	Dynamic	2656.83	Sierrita
					5/2/15		484.70	Dynamic	2643.83	Sierrita
					6/11/15		379.95	Static	2748.58	Sierrita
					7/8/15		482.40	Dynamic	2646.13	Sierrita
					10/7/15		UTM		NA	Sierrita
					11/4/15		468.00	Dynamic	2660.53	Sierrita
					12/9/15		383.50	Static	2745.03	Sierrita
					1/12/16		UTM		NA	Sierrita
					2/11/16		377.40	Static	2751.13	BW
					3/4/16		376.30	Static	2752.23	BW
					4/29/16		372.40	Static	2756.13	Sierrita
					10/5/16		369.75	Static	2758.78	BW
					4/19/17		375.15	Static	2753.38	Sierrita
					7/20/17		372.90	Static	2755.63	BW
					10/25/17		367.40	Static	2761.13	BW
					5/22/18		365.00	Static	2763.53	BW
					9/25/18		367.20	Static	2761.33	BW
IW-24	200556	3522633.594	497371.670	3113.29	1/14/06	416.70		Dynamic		BW, 2015a
					2/20/06	392.50		Dynamic		BW, 2015a
					3/14/06	353.90		Static		BW, 2015a
					4/15/06	495.72		Dynamic		BW, 2015a
					5/14/06	418.20		Dynamic		BW, 2015a
					6/10/06	446.65		Dynamic		BW, 2015a
					7/16/06	412.75		Dynamic		BW, 2015a
					8/13/06	477.00		Dynamic		BW, 2015a
					9/16/06	418.00		Dynamic		BW, 2015a
					10/20/06	545.50		Dynamic		BW, 2015a
					11/11/06	395.80		Dynamic		BW, 2015a
					3/3/07	344.00		Static		BW, 2015a
					5/30/07	353.50		Dynamic		BW, 2015a
					2/29/08	555.10		Dynamic		BW, 2015a

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-24	200556	3522633.594	497371.670	3113.29	3/31/08	525.25		Dynamic		BW, 2015a
					4/25/08		522.50		2590.79	Sierrita
					4/30/08	522.50		Dynamic		BW, 2015a
					5/27/08	433.30		Dynamic		BW, 2015a
					6/30/08	451.50		Dynamic		BW, 2015a
					7/29/08		452.50		2660.79	Sierrita
					7/29/08	452.50		Dynamic		BW, 2015a
					8/29/08	467.00		Dynamic		BW, 2015a
					8/29/08	467.66		Dynamic		BW, 2015a
					10/24/08		466.99		2646.30	Sierrita
					10/24/08	466.99		Dynamic		BW, 2015a
					3/10/09	348.00		Static		BW, 2015a
					5/13/09		348.00		2765.29	Sierrita
					5/13/09	526.50		Dynamic		BW, 2015a
					4/12/10		522.90		2590.39	Sierrita
					3/24/11	480.11		Dynamic		BW, 2015a
					4/15/11	345.38		Static		BW, 2015a
					5/11/11		456.05		2657.24	Sierrita
					5/11/11	456.05		Dynamic		BW, 2015a
					6/27/11	446.19		Dynamic		BW, 2015a
					7/12/11	346.60		Static		BW, 2015a
					8/23/11	426.80		Dynamic		BW, 2015a
					12/29/11	458.40		Dynamic		BW, 2015a
					1/26/12	478.61		Dynamic		BW, 2015a
					2/28/12	349.58		Static		BW, 2015a
					5/22/12		512.88		2600.41	Sierrita
					5/22/12	512.88		Dynamic		BW, 2015a
					6/27/12	354.00		Static		BW, 2015a
					7/31/12	439.87		Dynamic		BW, 2015a
					8/22/12	355.46		Static		BW, 2015a
					9/28/12	441.60		Dynamic		BW, 2015a
					10/26/12	355.87		Static		BW, 2015a
					11/28/12	543.91		Dynamic		BW, 2015a
					4/15/13		533.21	Dynamic	2580.08	Sierrita
					6/25/13	356.47		Static		BW, 2015a
					7/31/13	544.16		Dynamic		BW, 2015a
					8/1/13	355.91		Dynamic		BW, 2015a
					9/30/13	544.71		Dynamic		BW, 2015a
					10/30/13	359.61		Static		BW, 2015a
					11/28/13	536.89		Dynamic		BW, 2015a
					1/28/14		522.00	Dynamic	2591.29	Sierrita
					1/28/14	522.00		Dynamic		BW, 2015a
					2/24/14	358.72		Static		BW, 2015a
					2/25/14		358.72	Static	2754.57	Sierrita
					3/25/14		517.78	Dynamic	2595.51	Sierrita
					3/31/14	517.78		Dynamic		BW, 2015a
					4/28/14		356.88	Dynamic	2756.41	Sierrita
					5/30/14		514.60	Dynamic	2598.69	Sierrita
					5/30/14	514.60		Dynamic		BW, 2015a
					6/9/14		499.00	Dynamic	2614.29	Sierrita
					6/9/14	499.00		Dynamic		BW, 2015a
					7/6/14		483.40	Dynamic	2629.89	Sierrita
					7/6/14	482.90		Dynamic		BW, 2015a
					7/31/14		457.10	Dynamic	2656.19	Sierrita
					7/31/14	457.10		Dynamic		BW, 2015a
					8/27/14		355.00	Static	2758.29	Sierrita
					8/27/14	355.00		Static		BW, 2015a
					10/1/14		458.25	Dynamic	2655.04	Sierrita
					10/1/14	457.75		Dynamic		BW, 2015a
					11/4/14		475.15	Dynamic	2638.14	Sierrita
					11/4/14	474.65		Dynamic		BW, 2015a
					12/2/14		466.90	Dynamic	2646.39	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-24	200556	3522633.594	497371.670	3113.29	12/2/14	466.40		Dynamic		BW, 2015a
					4/9/15		399.90	Dynamic	2713.39	Sierrita
					5/2/15		407.60	Dynamic	2705.69	Sierrita
					6/11/15		359.80	Static	2753.49	Sierrita
					7/8/15		404.85	Dynamic	2708.44	Sierrita
					10/7/15		403.40	Dynamic	2709.89	Sierrita
					11/4/15		399.65	Dynamic	2713.64	Sierrita
					12/9/15		409.25	Dynamic	2704.04	Sierrita
					1/12/16		416.10	Dynamic	2697.19	Sierrita
					2/11/16		401.60	Dynamic	2711.69	BW
					3/4/16		394.75	Dynamic	2718.54	BW
					4/29/16		389.90	Dynamic	2723.39	Sierrita
					10/5/16		349.62	Static	2763.67	BW
					4/19/17		390.30	Dynamic	2722.99	Sierrita
					7/20/17		349.20	Static	2764.09	BW
					10/25/17		345.15	Static	2768.14	BW
					5/22/18		346.90	Static	2766.39	BW
					9/25/18		447.85	Static	2665.44	BW
IW-25	219596	3521718.000	497640.600	3091.66	10/28/10	351.00		Static		BW, 2015a
					10/28/10	375.00		Dynamic		BW, 2015a
					5/21/12	400.85		Dynamic		BW, 2015a
					6/30/12	380.50		Static		BW, 2015a
					7/31/12	465.37		Dynamic		BW, 2015a
					8/25/12	380.20		Static		BW, 2015a
					9/28/12	462.88		Dynamic		BW, 2015a
					11/28/12	427.43		Static		BW, 2015a
					4/15/13		422.52	Dynamic	2669.14	Sierrita
					6/26/13	380.43		Static		BW, 2015a
					7/31/13	451.60		Dynamic		BW, 2015a
					8/1/13	378.56		Static		BW, 2015a
					9/30/13	451.58		Dynamic		BW, 2015a
					10/31/13	384.18		Static		BW, 2015a
					11/28/13	452.68		Dynamic		BW, 2015a
					12/9/13	388.78		Static		BW, 2015a
					1/28/14	447.14		Dynamic		BW, 2015a
					3/31/14	445.09		Dynamic		BW, 2015a
					5/30/14	442.11		Dynamic		BW, 2015a
					6/9/14		436.90	Dynamic	2654.76	Sierrita
					6/9/14	436.90		Dynamic		BW, 2015a
					7/6/14	434.97		Dynamic		BW, 2015a
					7/31/14	436.10		Dynamic		BW, 2015a
					8/27/14	379.50		Static		BW, 2015a
					10/1/14	442.32		Dynamic		BW, 2015a
					11/4/14	437.37		Dynamic		BW, 2015a
					12/2/14	440.87		Dynamic		BW, 2015a
					4/9/15		433.00	Dynamic	2658.66	Sierrita
					5/2/15		439.70	Dynamic	2651.96	Sierrita
					6/11/15		439.40	Dynamic	2652.26	Sierrita
					7/8/15		444.75	Dynamic	2646.91	Sierrita
					10/7/15		441.50	Dynamic	2650.16	Sierrita
					11/4/15		439.05	Dynamic	2652.61	Sierrita
					12/9/15		443.00	Dynamic	2648.66	Sierrita
					1/12/16		438.75	Dynamic	2652.91	Sierrita
					2/11/16		424.75	Dynamic	2666.91	BW
					3/4/16		417.30	Dynamic	2674.36	BW
					4/29/16		416.90	Dynamic	2674.76	Sierrita
					10/5/16		413.50	Dynamic	2678.16	BW
					4/19/17		425.50	Dynamic	2666.16	Sierrita
					7/20/17		405.65	Dynamic	2686.01	BW
					10/25/17		413.47	Dynamic	2678.19	BW
					5/22/18		412.90	Dynamic	2678.76	BW
					9/25/18		419.40	Dynamic	2672.26	BW

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-26	219143	3522307.296	497652.833	3100.03	10/10/10	361.00		Static		BW, 2015a
					10/10/10	394.00		Dynamic		BW, 2015a
					5/21/12	484.33		Dynamic		BW, 2015a
					6/30/12	376.70		Static		BW, 2015a
					7/31/12	487.67		Dynamic		BW, 2015a
					8/25/12	376.70		Static		BW, 2015a
					9/28/12	481.21		Dynamic		BW, 2015a
					11/28/12	493.38		Dynamic		BW, 2015a
					4/15/13		492.21	Dynamic	2607.82	Sierrita
					6/26/13	384.32		Static		BW, 2015a
					7/31/13	494.16		Dynamic		BW, 2015a
					8/1/13	383.28		Static		BW, 2015a
					9/30/13	494.24		Dynamic		BW, 2015a
					10/29/13	384.54		Static		BW, 2015a
					10/31/13	384.21		Static		BW, 2015a
					11/28/13	382.75		Static		BW, 2015a
					12/9/13	382.88		Static		BW, 2015a
					1/28/14	380.61		Static		BW, 2015a
					3/31/14	380.55		Static		BW, 2015a
					5/30/14	379.35		Static		BW, 2015a
					6/9/14		376.80	Static	2723.23	Sierrita
					6/9/14	376.80		Static		BW, 2015a
					7/6/14	378.29		Static		BW, 2015a
					7/31/14	377.60		Static		BW, 2015a
					8/27/14	377.60		Static		BW, 2015a
					10/1/14	377.69		Static		BW, 2015a
					11/4/14	377.89		Static		BW, 2015a
					12/2/14	379.19		Static		BW, 2015a
					4/9/15		432.60	Dynamic	2667.43	Sierrita
					5/2/15		436.70	Dynamic	2663.33	Sierrita
					6/11/15		439.30	Dynamic	2660.73	Sierrita
					7/8/15		441.60	Dynamic	2658.43	Sierrita
					10/7/15		442.95	Dynamic	2657.08	Sierrita
					11/4/15		441.10	Dynamic	2658.93	Sierrita
					12/9/15		445.15	Dynamic	2654.88	Sierrita
					1/12/16		443.85	Dynamic	2656.18	Sierrita
					2/11/16		437.40	Dynamic	2662.63	BW
					3/4/16		431.20	Dynamic	2668.83	BW
					4/29/16		428.00	Dynamic	2672.03	Sierrita
					10/5/16		378.60	Static	2721.43	BW
					4/19/17		423.20	Dynamic	2676.83	Sierrita
					7/20/17		414.45	Dynamic	2685.58	BW
					10/25/17		412.90	Dynamic	2687.13	BW
					5/22/18		416.60	Dynamic	2683.43	BW
					9/25/18		416.70	Dynamic	2683.33	BW

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-27	219136	3522650.014	497600.5655	3120.33	12/3/10	378.50		Static		BW, 2015a
					12/3/10	393.30		Dynamic		BW, 2015a
					5/22/12	416.34		Dynamic		BW, 2015a
					10/30/13	395.56		Static		BW, 2015a
					11/28/13	395.04		Static		BW, 2015a
					12/9/13	395.21		Static		BW, 2015a
					1/28/14	394.70		Static		BW, 2015a
					2/24/14	418.11		Dynamic		BW, 2015a
					3/31/14	394.72		Static		BW, 2015a
					5/30/14	394.32		Static		BW, 2015a
					6/5/14		393.50	Static	2726.83	Sierrita
					6/5/14	393.50		Static		BW, 2015a
					7/6/14	392.32		Static		BW, 2015a
					7/31/14	392.50		Static		BW, 2015a
					8/27/14	392.70		Static		BW, 2015a
					10/1/14	393.02		Static		BW, 2015a
					11/4/14	455.07		Dynamic		BW, 2015a
					12/2/14	459.52		Dynamic		BW, 2015a
					4/9/15		457.85	Dynamic	2662.48	Sierrita
					5/2/15		466.20	Dynamic	2654.13	Sierrita
					6/11/15		471.10	Dynamic	2649.23	Sierrita
					7/8/15		468.55	Dynamic	2651.78	Sierrita
					10/7/15		468.00	Dynamic	2652.33	Sierrita
					11/4/15		458.95	Dynamic	2661.38	Sierrita
					12/9/15		470.00	Dynamic	2650.33	Sierrita
					1/12/16		473.25	Dynamic	2647.08	Sierrita
					2/11/16		464.25	Dynamic	2656.08	BW
					3/4/16		458.35	Dynamic	2661.98	BW
					4/29/16		458.80	Dynamic	2661.53	Sierrita
					10/5/16		396.75	Static	2723.58	BW
					4/19/17		450.02	Dynamic	2670.31	Sierrita
					7/20/17		439.65	Dynamic	2680.68	BW
					10/25/17		438.60	Dynamic	2681.73	BW
					5/22/18		432.40	Dynamic	2687.93	BW
					9/25/18		428.55	Dynamic	2691.78	BW

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-28	219137	3523174.867	497652.833	3110.71	1/5/11	382.00		Static		BW, 2015a
					1/5/11	409.00		Dynamic		BW, 2015a
					5/22/12	439.61		Dynamic		BW, 2015a
					6/30/12	392.40		Static		BW, 2015a
					7/31/12	451.37		Dynamic		BW, 2015a
					8/25/12	392.40		Static		BW, 2015a
					9/28/12	449.60		Dynamic		BW, 2015a
					11/27/12	451.70		Dynamic		BW, 2015a
					4/15/13		447.89	Dynamic	2662.82	Sierrita
					6/26/13	403.12		Static		BW, 2015a
					7/31/13	453.58		Dynamic		BW, 2015a
					8/1/13	401.30		Static		BW, 2015a
					9/30/13	454.16		Dynamic		BW, 2015a
					10/31/13	405.26		Static		BW, 2015a
					11/28/13	442.66		Dynamic		BW, 2015a
					12/9/13	405.53		Static		BW, 2015a
					1/28/14	424.78		Dynamic		BW, 2015a
					2/24/14	405.49		Static		BW, 2015a
					3/31/14	439.97		Dynamic		BW, 2015a
					5/30/14	440.07		Dynamic		BW, 2015a
					6/9/14		434.70	Dynamic	2676.01	Sierrita
					6/9/14	434.70		Dynamic		BW, 2015a
					7/6/14	432.39		Dynamic		BW, 2015a
					7/31/14	431.80		Dynamic		BW, 2015a
					8/27/14	400.95		Static		BW, 2015a
					10/1/14	433.44		Dynamic		BW, 2015a
					11/4/14	433.39		Dynamic		BW, 2015a
					12/2/14	434.49		Dynamic		BW, 2015a
					4/9/15		434.70	Dynamic	2676.01	Sierrita
					5/2/15		434.50	Dynamic	2676.21	Sierrita
					6/11/15		434.50	Dynamic	2676.21	Sierrita
					7/8/15		437.10	Dynamic	2673.61	Sierrita
					10/7/15		443.25	Dynamic	2667.46	Sierrita
					11/4/15		441.50	Dynamic	2669.21	Sierrita
					12/9/15		444.20	Dynamic	2666.51	Sierrita
					1/12/16		441.50	Dynamic	2669.21	Sierrita
					2/11/16		439.20	Dynamic	2671.51	BW
					3/4/16		UTM		NA	BW
					4/29/16		435.45	Dynamic	2675.26	Sierrita
					10/5/16		404.35	Static	2706.36	BW
					4/19/17		434.52	Dynamic	2676.19	Sierrita
					7/20/17		433.65	Dynamic	2677.06	BW
					10/25/17		429.30	Dynamic	2681.41	BW
					5/22/18		424.70	Dynamic	2686.01	BW
					9/25/18		421.50	Dynamic	2689.21	BW
IW-29	222865	3523070.624	498081.4978	3088.00	5/12/14		389.50	Static	2698.50	Sierrita
					5/13/14	389.75		Static		BW, 2015b
					8/27/14	394.7		Static		BW, 2015b
					4/9/15		436.10	Dynamic	2651.90	Sierrita
					5/2/15		437.85	Dynamic	2650.15	Sierrita
					6/11/15		437.80	Dynamic	2650.20	Sierrita
					7/18/15		437.60	Dynamic	2650.40	Sierrita
					10/7/15		408.50	Static	2679.50	Sierrita
					11/4/15		437.88	Dynamic	2650.12	Sierrita
					12/9/15		407.90	Static	2680.10	Sierrita
					1/12/16		UTM		NA	Sierrita
					2/11/16		437.60	Dynamic	2650.40	BW
					3/4/16		437.52	Dynamic	2650.48	BW
					4/29/16		434.10	Dynamic	2653.90	Sierrita
					10/5/16		437.55	Dynamic	2650.45	BW
					4/19/17		438.20	Dynamic	2649.80	Sierrita
					7/20/17		437.60	Dynamic	2650.40	BW
					10/25/17		437.85	Dynamic	2650.15	BW
					5/22/18		437.60	Dynamic	2650.40	BW
					9/25/18		437.80	Dynamic	2650.20	BW
M-5	87387	3530799.154	499640.485	2994.14	6/16/15		490.32	Static	2503.82	Sierrita
					11/17/15		494.45	Static	2499.69	Sierrita
					6/15/16		494.60	Static	2499.54	Sierrita
					12/8/16		494.92	Static	2499.22	Sierrita
					5/17/17		499.12	Static	2495.02	Sierrita
					11/13/17		507.50	Static	2486.64	Sierrita
					6/8/18		508.92	Static	2485.22	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
M-8	87390	3529692.237	499658.916	2996.96	1/15/07		460.92		2536.04	Sierrita
					4/16/07		458.83		2538.13	Sierrita
					7/10/07		462.57		2534.39	Sierrita
					10/8/07		465.65		2531.31	Sierrita
					1/9/08		464.68		2532.28	Sierrita
					4/14/08		462.50		2534.46	Sierrita
					7/25/08		466.18		2530.78	Sierrita
					10/28/08		468.82		2528.14	Sierrita
					1/20/09		466.25		2530.71	Sierrita
					5/12/09		465.10		2531.86	Sierrita
					11/5/09		465.60		2531.36	Sierrita
					5/28/10		466.61		2530.35	Sierrita
					10/21/10		471.61		2525.35	Sierrita
					6/15/11		467.35		2529.61	Sierrita
					11/17/11		471.23		2525.73	Sierrita
					6/29/12		464.98		2531.98	Sierrita
					10/29/12		472.66		2524.30	Sierrita
					4/17/13		466.32		2530.64	Sierrita
					5/21/13		464.70		2532.26	Sierrita
					10/29/13		472.55		2524.41	Sierrita
					3/12/14		472.63		2524.33	Sierrita
					4/22/14		473.69		2523.27	Sierrita
					5/8/14		473.53		2523.43	Sierrita
					6/9/14		476.70	Static	2520.26	Sierrita
					7/28/14		479.96		2517.00	Sierrita
					8/7/14		480.13		2516.83	Sierrita
					9/8/14		481.99	Static	2514.97	Sierrita
					10/28/14		484.31		2512.65	Sierrita
					11/4/14		484.66		2512.30	Sierrita
					12/16/14		484.74	Static	2512.22	Sierrita
					1/29/15		484.88	Static	2512.08	Sierrita
					2/27/15		484.93	Static	2512.03	Sierrita
					3/19/15		484.02	Static	2512.94	Sierrita
					4/6/15		484.53	Static	2512.43	Sierrita
					5/21/15		486.24	Static	2510.72	Sierrita
					6/1/15		486.56	Static	2510.40	Sierrita
					7/23/15		UTM		NA	Sierrita
					8/31/15		UTM		NA	Sierrita
					10/26/15		UTM		NA	Sierrita
					11/17/15		UTM		NA	Sierrita
					1/7/16		UTM		NA	Sierrita
					2/9/16		UTM		NA	Sierrita
					3/7/16		UTM		NA	Sierrita
					6/8/16		UTM		NA	Sierrita
					8/25/16		496.75	Static	2500.21	Sierrita
					10/27/16		499.00	Static	2497.96	Sierrita
					1/17/17		499.46	Static	2497.50	Sierrita
					5/8/17		499.98	Static	2496.98	Sierrita
					7/10/17		504.25	Static	2492.71	Sierrita
					10/2/17		507.95	Static	2489.01	Sierrita
					1/9/18		507.59	Static	2489.37	Sierrita
					3/29/18		507.50	Static	2489.46	Sierrita
					5/9/18		508.42	Static	2488.54	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
M-9	501652	3530303.806	499984.132	2971.02	7/18/06		442.70		2528.32	Sierrita
					1/15/07		445.76		2525.26	Sierrita
					7/10/07		450.75		2520.27	Sierrita
					10/8/07		453.15		2517.87	Sierrita
					1/8/08		447.50		2523.52	Sierrita
					4/14/08		448.50		2522.52	Sierrita
					7/21/08		454.27		2516.75	Sierrita
					10/28/08		457.72		2513.30	Sierrita
					1/20/09		450.78		2520.24	Sierrita
					5/13/09		452.00		2519.02	Sierrita
					6/16/10		453.85		2517.17	Sierrita
					6/2/11		452.35		2518.67	Sierrita
					6/27/12		455.78		2515.24	Sierrita
					5/1/13		473.80		2497.22	Sierrita
					3/12/14		483.66		2487.36	Sierrita
					4/22/14		464.39		2506.63	Sierrita
					5/8/14		464.37		2506.65	Sierrita
					6/9/14		457.78		2513.24	Sierrita
					7/28/14		461.34		2509.68	Sierrita
					8/7/14		462.06		2508.96	Sierrita
					9/8/14		463.43	Static	2507.59	Sierrita
					10/28/14		464.55		2506.47	Sierrita
					11/4/14		466.10		2504.92	Sierrita
					12/16/14		467.81	Static	2503.21	Sierrita
					1/20/15		461.04	Static	2509.98	Sierrita
					2/27/15		465.19	Static	2505.83	Sierrita
					3/19/15		460.12	Static	2510.90	Sierrita
					4/6/15		460.84	Static	2510.18	Sierrita
					5/21/15		461.18	Static	2509.84	Sierrita
					6/1/15		461.29	Static	2509.73	Sierrita
					7/23/15		467.84	Static	2503.18	Sierrita
					8/31/15		469.81	Static	2501.21	Sierrita
					11/17/15		470.74	Static	2500.28	Sierrita
					1/7/16		466.20	Static	2504.82	Sierrita
					2/9/16		465.51	Static	2505.51	Sierrita
					3/7/16		465.39	Static	2505.63	Sierrita
					4/25/16		466.80	Static	2504.22	Sierrita
					8/24/16		473.63	Static	2497.39	Sierrita
					12/8/16		474.77	Static	2496.25	Sierrita
					1/11/17		471.26	Static	2499.76	Sierrita
					5/8/17		474.45	Static	2496.57	Sierrita
					7/10/17		479.57	Static	2491.45	Sierrita
					10/2/17		483.45	Static	2487.57	Sierrita
					1/9/18		480.40	Static	2490.62	Sierrita
					5/9/18		483.24	Static	2487.78	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
M-10	501653	3530143.001	499658.969	3002.69	7/18/06		472.72		2529.97	Sierrita
					1/15/07		473.65		2529.04	Sierrita
					4/16/07		471.47		2531.22	Sierrita
					7/10/07		477.16		2525.53	Sierrita
					10/8/07		478.45		2524.24	Sierrita
					1/8/08		477.60		2525.09	Sierrita
					4/14/08		475.48		2527.21	Sierrita
					7/21/08		480.15		2522.54	Sierrita
					10/28/08		483.70		2518.99	Sierrita
					1/20/09		475.85		2526.84	Sierrita
					5/12/09		478.80		2523.89	Sierrita
					11/5/09		481.20		2521.49	Sierrita
					6/4/10		480.29		2522.40	Sierrita
					10/21/10		486.40		2516.29	Sierrita
					5/10/11		478.33		2524.36	Sierrita
					11/16/11		484.66		2518.03	Sierrita
					6/25/12		482.73		2519.96	Sierrita
					10/29/12		486.64		2516.05	Sierrita
					4/17/13		478.63		2524.06	Sierrita
					10/29/13		486.07		2516.62	Sierrita
					4/22/14		483.06	Static	2519.63	Sierrita
					11/4/14		493.67	Static	2509.02	Sierrita
					4/6/15		491.46	Static	2511.23	Sierrita
					10/26/15		UTM		NA	Sierrita
					2/9/16		UTM		NA	Sierrita
					6/8/16		UTM		NA	Sierrita
					12/5/16		503.92	Static	2498.77	Sierrita
					1/17/17		504.16	Static	2498.53	Sierrita
					5/8/17		505.32	Static	2497.37	Sierrita
					7/10/17		510.00	Static	2492.69	Sierrita
					10/2/17		513.65	Static	2489.04	Sierrita
					1/9/18		512.06	Static	2490.63	Sierrita
					5/9/18		513.21	Static	2489.48	Sierrita
M-11	501654	3530757.848	500267.433	2938.82	6/16/15		433.11	Static	2505.71	Sierrita
					11/17/15		435.43	Static	2503.39	Sierrita
					6/15/16		437.35	Static	2501.47	Sierrita
					12/8/16		439.08	Static	2499.74	Sierrita
					5/17/17		455.78	Static	2483.04	Sierrita
					11/9/17		449.40	Static	2489.42	Sierrita
					6/8/18		451.91	Static	2486.91	Sierrita
M-13	508428	3530907.067	498739.360	3077.00	6/18/15		569.71	Static	2507.29	Sierrita
					11/17/15		574.92	Static	2502.08	Sierrita
					6/15/16		573.72	Static	2503.28	Sierrita
					12/8/16		575.10	Static	2501.90	Sierrita
					5/17/17		577.90	Static	2499.10	Sierrita
					11/9/17		587.07	Static	2489.93	Sierrita
					6/8/18		587.71	Static	2489.29	Sierrita
M-20	906595	3528491.771	499082.070	3054.00	7/18/06		484.18		2569.82	Sierrita
					1/15/07		489.14		2564.86	Sierrita
					7/10/07		486.70		2567.30	Sierrita
					7/12/07		493.26		2560.74	Sierrita
					1/9/08		495.80		2558.20	Sierrita
					4/14/08		494.22		2559.78	Sierrita
					7/25/08		493.70		2560.30	Sierrita
					10/28/08		498.00		2556.00	Sierrita
					1/20/09		497.75		2556.25	Sierrita
					5/12/09		496.80		2557.20	Sierrita
					5/28/10		498.51		2555.49	Sierrita
					5/9/11		499.14		2554.86	Sierrita
					6/26/12		500.50		2553.50	Sierrita
					4/23/13		499.65		2554.35	Sierrita
					4/22/14		511.42	Static	2542.58	Sierrita
					4/27/15		529.31	Static	2524.69	Sierrita
					11/18/15		536.18	Static	2517.82	Sierrita
					4/26/16		538.43	Static	2515.57	Sierrita
					12/8/16		539.96	Static	2514.04	Sierrita
					5/8/17		545.90	Static	2508.10	Sierrita
					11/13/17		553.71	Static	2500.29	Sierrita
					5/14/18		553.91	Static	2500.09	Sierrita
					6/21/18		556.53	Static	2497.47	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MC-1	221660	3525205.004	498909.7433	3038.621	5/22/13	418.97		Static		BW, 2015a
					5/22/13	435.55		Dynamic		BW, 2015a
					1/15/14		440.93	Dynamic	2597.69	Sierrita
					1/15/14	440.93		Dynamic		BW, 2015a
					1/22/14		437.02	Dynamic	2601.60	Sierrita
					1/22/14	437.02		Dynamic		BW, 2015a
					1/28/14	442.57		Dynamic		BW, 2015a
					1/29/14		442.57	Dynamic	2596.05	Sierrita
					2/5/14	443.86		Dynamic		BW, 2015a
					2/12/14	444.84		Dynamic		BW, 2015a
					3/13/14		447.98	Dynamic	2590.64	Sierrita
					5/14/14		455.31	Dynamic	2583.31	Sierrita
					5/30/14	455.31		Dynamic		BW, 2015a
					6/9/14		456.50	Dynamic	2582.12	Sierrita
					6/9/14	456.50		Dynamic		BW, 2015a
					7/6/14		458.90	Dynamic	2579.72	Sierrita
					7/6/14	458.40		Dynamic		BW, 2015a
					7/31/14		460.50	Dynamic	2578.12	Sierrita
					7/31/14	460.50		Dynamic		BW, 2015a
					8/27/14		462.20	Dynamic	2576.42	Sierrita
					8/27/14	462.20		Dynamic		BW, 2015a
					10/1/14		450.25	Static	2588.37	Sierrita
					10/1/14	449.75		Static		BW, 2015a
					11/4/14		466.80	Dynamic	2571.82	Sierrita
					11/4/14	466.30		Dynamic		BW, 2015a
					12/2/14		468.10	Dynamic	2570.52	Sierrita
					12/2/14	467.60		Dynamic		BW, 2015a
					1/4/15		469.30	Dynamic	2569.32	Sierrita
					2/4/15		469.65	Dynamic	2568.97	Sierrita
					3/3/15		470.90	Dynamic	2567.72	Sierrita
					4/9/15		472.20	Dynamic	2566.42	BW
					5/2/15		473.40	Dynamic	2565.22	BW
					6/11/15		460.25	Static	2578.37	BW
					7/6/15		475.74	Dynamic	2562.88	BW
					8/18/15		462.52	Static	2576.10	Sierrita
					10/7/15		478.15	Dynamic	2560.47	BW
					11/4/15		479.70	Dynamic	2558.92	BW
					12/9/15		480.90	Dynamic	2557.72	BW
					1/12/16		UTM		NA	Sierrita
					2/11/16		481.30	Dynamic	2557.32	BW
					3/4/16		482.20	Dynamic	2556.42	BW
					4/8/16		483.60	Dynamic	2555.02	Sierrita
					10/5/16		488.55	Dynamic	2550.07	BW
					4/17/17		491.06	Dynamic	2547.56	Sierrita
					7/20/17		492.05	Dynamic	2546.57	BW
					10/25/17		494.03	Dynamic	2544.59	BW
					5/22/18		493.15	Dynamic	2545.47	BW
					9/25/18		493.80	Dynamic	2544.82	BW

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MC-2	221761	3526364.957	499370.0612	3008.28	3/24/13	412.55		Static		BW, 2015a
					3/24/13	431.52		Dynamic		BW, 2015a
					3/14/14		Obstructed		NA	Sierrita
					5/14/14		440.68	Dynamic	2567.60	Sierrita
					5/15/14		440.66	Dynamic	2567.62	Sierrita
					5/15/14	440.66		Dynamic		BW, 2015a
					5/22/14		442.47	Dynamic	2565.81	Sierrita
					5/22/14	442.47		Dynamic		BW, 2015a
					5/30/14	442.47		Dynamic		BW, 2015a
					6/9/14		443.70	Dynamic	2564.58	Sierrita
					6/9/14	443.70		Dynamic		BW, 2015a
					7/6/14		445.80	Dynamic	2562.48	Sierrita
					7/6/14	445.63		Dynamic		BW, 2015a
					7/31/14		447.50	Dynamic	2560.78	Sierrita
					7/31/14	447.50		Dynamic		BW, 2015a
					8/27/14		449.30	Dynamic	2558.98	Sierrita
					8/27/14	449.30		Dynamic		BW, 2015a
					10/1/14		442.65	Static	2565.63	Sierrita
					10/1/14	442.48		Static		BW, 2015a
					11/4/14		453.60	Dynamic	2554.68	Sierrita
					11/4/14	453.43		Dynamic		BW, 2015a
					12/2/14		454.75	Dynamic	2553.53	Sierrita
					12/2/14	454.58		Dynamic		BW, 2015a
					1/4/15		456.40	Dynamic	2551.88	Sierrita
					3/3/15		457.95	Dynamic	2550.33	Sierrita
					4/9/15		459.20	Dynamic	2549.08	BW
					5/2/15		460.65	Dynamic	2547.63	BW
					6/11/15		453.20	Static	2555.08	BW
					7/6/15		463.20	Dynamic	2545.08	BW
					8/18/15		464.40	Dynamic	2543.88	Sierrita
					10/7/15		465.95	Dynamic	2542.33	BW
					11/4/15		466.50	Dynamic	2541.78	BW
					12/9/15		467.70	Dynamic	2540.58	BW
					1/12/16		468.13	Dynamic	2540.15	Sierrita
					2/11/16		468.35	Dynamic	2539.93	BW
					3/4/16		469.40	Dynamic	2538.88	BW
					4/8/16		468.15	Dynamic	2540.13	Sierrita
					10/5/16		476.00	Dynamic	2532.28	BW
					4/18/17		478.55	Dynamic	2529.73	Sierrita
					7/20/17		491.25	Static	2517.03	BW
					10/25/17		482.35	Dynamic	2525.93	BW
					5/22/18		473.72	Static	2534.56	BW

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MC-3	221661	3527484.047	498844.3888	3062.33	12/3/12	491.98		Static		BW, 2015a
					12/3/12	507.05		Dynamic		BW, 2015a
					3/13/14		Obstructed		NA	Sierrita
					5/13/14		515.62	Dynamic	2546.71	Sierrita
					5/15/14		515.62	Dynamic	2546.71	Sierrita
					5/15/14	515.62		Dynamic		BW, 2015a
					5/22/14		516.21	Dynamic	2546.12	Sierrita
					5/22/14	516.21		Dynamic		BW, 2015a
					5/30/14	516.21		Dynamic		BW, 2015a
					6/9/14		517.70	Dynamic	2544.63	Sierrita
					6/9/14	517.70		Dynamic		BW, 2015a
					7/6/14		519.50	Dynamic	2542.83	Sierrita
					7/6/14	518.83		Dynamic		BW, 2015a
					7/31/14		521.40	Dynamic	2540.93	Sierrita
					7/31/14	521.40		Dynamic		BW, 2015a
					8/27/14		522.95	Dynamic	2539.38	Sierrita
					8/27/14	522.95		Dynamic		BW, 2015a
					10/1/14		519.75	Static	2542.58	Sierrita
					10/1/14	519.08		Static		BW, 2015a
					11/4/14		527.25	Dynamic	2535.08	Sierrita
					11/4/14	526.58		Dynamic		BW, 2015a
					12/2/14		528.65	Dynamic	2533.68	Sierrita
					12/2/14	527.98		Dynamic		BW, 2015a
					1/4/15		530.50	Dynamic	2531.83	Sierrita
					2/4/15		531.21	Dynamic	2531.12	Sierrita
					3/3/15		532.10	Dynamic	2530.23	Sierrita
					4/9/15		533.10	Dynamic	2529.23	BW
					5/2/15		534.05	Dynamic	2528.28	BW
					6/11/15		531.35	Static	2530.98	BW
					7/6/15		536.45	Dynamic	2525.88	BW
					8/18/15		537.60	Dynamic	2524.73	Sierrita
					10/7/15		538.84	Dynamic	2523.49	BW
					11/4/15		539.80	Dynamic	2522.53	BW
					12/9/15		540.85	Dynamic	2521.48	BW
					1/12/16		541.37	Dynamic	2520.96	Sierrita
					2/11/16		542.04	Dynamic	2520.29	BW
					3/4/16		542.70	Dynamic	2519.63	BW
					4/8/16		543.60	Dynamic	2518.73	Sierrita
					10/5/16		548.30	Dynamic	2514.03	BW
					4/17/17		550.68	Dynamic	2511.65	Sierrita
					7/20/17		547.57	Static	2514.76	BW
					10/25/17		554.03	Dynamic	2508.30	BW
					5/22/18		552.11	Static	2510.22	BW
					9/25/18		555.70	Dynamic	2506.63	BW

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MC-4	220842	3527783.668	498585.3043	3096.035	8/13/12	530.67		Static		BW, 2015a
					8/13/12	548.72		Dynamic		BW, 2015a
					3/13/14		Obstructed		NA	Sierrita
					5/13/14		560.86	Dynamic	2535.18	Sierrita
					5/15/14		560.86	Dynamic	2535.18	Sierrita
					5/15/14	560.86		Dynamic		BW, 2015a
					5/22/14		561.09	Dynamic	2534.95	Sierrita
					5/22/14	561.09		Dynamic		BW, 2015a
					5/30/14	561.09		Dynamic		BW, 2015a
					6/5/14		561.90	Dynamic	2534.14	Sierrita
					6/5/14	561.90		Dynamic		BW, 2015a
					7/6/14		564.00	Dynamic	2532.04	Sierrita
					7/6/14	563.06		Dynamic		BW, 2015a
					7/31/14		565.70	Dynamic	2530.34	Sierrita
					7/31/14	565.70		Dynamic		BW, 2015a
					8/27/14		567.25	Dynamic	2528.79	Sierrita
					8/27/14	567.25		Dynamic		BW, 2015a
					10/1/14		558.80	Static	2537.24	Sierrita
					10/1/14	557.86		Static		BW, 2015a
					11/4/14		572.20	Dynamic	2523.84	Sierrita
					11/4/14	571.26		Dynamic		BW, 2015a
					12/2/14		573.70	Dynamic	2522.34	Sierrita
					12/2/14	572.76		Dynamic		BW, 2015a
					1/4/15		575.35	Dynamic	2520.69	Sierrita
					2/4/15		576.10	Dynamic	2519.94	Sierrita
					3/3/15		576.95	Dynamic	2519.09	Sierrita
					4/9/15		577.95	Dynamic	2518.09	Sierrita
					5/2/15		579.10	Dynamic	2516.94	Sierrita
					6/11/15		569.10	Static	2526.94	Sierrita
					7/6/15		581.40	Dynamic	2514.64	Sierrita
					8/18/15		582.70	Dynamic	2513.34	Sierrita
					10/7/15		UTM		NA	Sierrita
					11/4/15		585.00	Dynamic	2511.04	Sierrita
					12/9/15		586.30	Dynamic	2509.74	Sierrita
					1/12/16		586.45	Dynamic	2509.59	Sierrita
					2/11/16		587.55	Dynamic	2508.49	BW
					3/4/16		588.35	Dynamic	2507.69	BW
					4/8/16		589.21	Dynamic	2506.83	Sierrita
					10/5/16		594.10	Dynamic	2501.94	BW
					4/17/17		596.63	Dynamic	2499.41	Sierrita
					7/20/17		598.30	Dynamic	2497.74	BW
					10/25/17		600.50	Dynamic	2495.54	BW
					5/22/18		603.80	Dynamic	2492.24	BW
					9/25/18		603.40	Dynamic	2492.64	BW
MH-1	803629	3525872.911	497372.392	3179.27	11/21/06		443.90		2735.37	Sierrita
					1/10/07		444.15		2735.12	Sierrita
					4/20/07		442.70		2736.57	Sierrita
					7/3/07		441.33		2737.94	Sierrita
					11/8/07		440.10		2739.17	Sierrita
					1/28/08		439.97		2739.30	Sierrita
					4/24/08		440.44		2738.83	Sierrita
					8/7/08		439.65		2739.62	Sierrita
					11/14/08		441.45		2737.82	Sierrita
					2/17/09		440.90		2738.37	Sierrita
					6/2/09		440.70		2738.57	Sierrita
					4/13/10		438.62		2740.65	Sierrita
					4/19/11		436.65		2742.62	Sierrita
					4/25/12		436.95		2742.32	Sierrita
					4/29/14		448.90		2730.37	Sierrita
					6/4/15		460.67	Static	2718.60	Sierrita
					11/18/15		467.79	Static	2711.48	Sierrita
					6/15/16		470.26	Static	2709.01	Sierrita
					12/8/16		475.20	Static	2704.07	Sierrita
					5/24/17		463.63	Static	2715.64	Sierrita
					10/23/17		461.70	Static	2717.57	Sierrita
					6/11/18		461.50	Static	2717.77	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-3	803630	3525270.181	497472.430	3155.87	12/18/06		427.70		2728.17	Sierrita
					2/23/07		427.31		2728.56	Sierrita
					4/23/07		425.51		2730.36	Sierrita
					7/21/07		424.22		2731.65	Sierrita
					10/20/07		422.15		2733.72	Sierrita
					1/19/08		424.80		2731.07	Sierrita
					4/21/08		425.44		2730.43	Sierrita
					7/29/08		424.15		2731.72	Sierrita
					10/24/08		426.10		2729.77	Sierrita
					2/17/09		425.46		2730.41	Sierrita
					6/2/09		425.18		2730.69	Sierrita
					4/13/10		418.92		2736.95	Sierrita
					4/19/11		420.10		2735.77	Sierrita
					4/25/12		419.53		2736.34	Sierrita
					4/2/13		425.84		2730.03	Sierrita
					3/12/14		433.09		2722.78	Sierrita
					4/25/14		436.44		2719.43	Sierrita
					5/14/14		436.40		2719.47	Sierrita
					6/24/14		436.38		2719.49	Sierrita
					7/7/14		439.20		2716.67	Sierrita
					8/8/14		440.46		2715.41	Sierrita
					9/9/14		441.45	Static	2714.42	Sierrita
					10/28/14		441.25		2714.62	Sierrita
					11/26/14		441.30		2714.57	Sierrita
					12/20/14		441.33	Static	2714.54	Sierrita
					1/29/15		441.35	Static	2714.52	Sierrita
					2/27/15		441.33	Static	2714.54	Sierrita
					3/26/15		445.39	Static	2710.48	Sierrita
					4/29/15		445.36	Static	2710.51	Sierrita
					5/21/15		445.34	Static	2710.53	Sierrita
					6/3/15		445.40	Static	2710.47	Sierrita
					7/23/15		448.90	Static	2706.97	Sierrita
					8/25/15		450.58	Static	2705.29	Sierrita
					11/2/15		453.46	Static	2702.41	Sierrita
					1/7/16		453.66	Static	2702.21	Sierrita
					2/11/16		453.79	Static	2702.08	Sierrita
					3/11/16		453.87	Static	2702.00	Sierrita
					6/23/16		451.18	Static	2704.69	Sierrita
					12/8/16		452.40	Static	2703.47	Sierrita
					5/24/17		449.91	Static	2705.96	Sierrita
					11/14/17		447.70	Static	2708.17	Sierrita
					6/11/18		449.02	Static	2706.85	Sierrita
MH-5	803632	3523725.339	497477.352	3123.47	11/21/06		389.22		2734.25	Sierrita
					1/12/07		390.70		2732.77	Sierrita
					4/20/07		391.60		2731.87	Sierrita
					7/3/07		391.66		2731.81	Sierrita
					11/8/07		392.95		2730.52	Sierrita
					1/28/08		391.40		2732.07	Sierrita
					4/24/08		390.30		2733.17	Sierrita
					8/7/08		391.55		2731.92	Sierrita
					11/14/08		391.98		2731.49	Sierrita
					2/17/09		391.33		2732.14	Sierrita
					6/2/09		391.30		2732.17	Sierrita
					4/13/10		381.47		2742.00	Sierrita
					4/18/11		387.96		2735.51	Sierrita
					6/14/12		398.80		2724.67	Sierrita
					5/23/13		403.59		2719.88	Sierrita
					4/29/14		Obstructed		NA	Sierrita
					5/22/14		Obstructed		NA	Sierrita
					5/28/14		408.22		2715.25	Sierrita
					6/16/15		408.45	Static	2715.02	Sierrita
					11/18/15		416.66	Static	2706.81	Sierrita
					6/15/16		411.64	Static	2711.83	Sierrita
					12/8/16		418.54	Static	2704.93	Sierrita
					5/24/17		415.96	Static	2707.51	Sierrita
					10/23/17		411.35	Static	2712.12	Sierrita
					6/11/18		407.50	Static	2715.97	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-6	803633	3522770.451	497436.646	3133.97	11/14/06		381.65		2752.32	Sierrita
					1/9/07		378.32		2755.65	Sierrita
					4/20/07		374.80		2759.17	Sierrita
					7/3/07		379.00		2754.97	Sierrita
					11/8/07		380.30		2753.67	Sierrita
					1/28/08		379.15		2754.82	Sierrita
					4/24/08		379.20		2754.77	Sierrita
					8/7/08		379.50		2754.47	Sierrita
					11/14/08		379.50		2754.47	Sierrita
					2/17/09		378.52		2755.45	Sierrita
					6/2/09		379.45		2754.52	Sierrita
					4/13/10		389.35		2744.62	Sierrita
					5/17/11		387.85		2746.12	Sierrita
					6/7/12		382.63		2751.34	Sierrita
					4/2/13		402.02		2731.95	Sierrita
					4/29/14		403.91		2730.06	Sierrita
					6/4/15		403.20	Static	2730.77	Sierrita
					11/18/15		412.41	Static	2721.56	Sierrita
					6/15/16		382.92	Static	2751.05	Sierrita
					12/8/16		388.37	Static	2745.60	Sierrita
					5/24/17		381.51	Static	2752.46	Sierrita
					10/23/17		376.60	Static	2757.37	Sierrita
					6/11/18		378.13	Static	2755.84	Sierrita
MH-7	803634	3522016.471	497502.475	3111.23	11/21/06		357.85		2753.38	Sierrita
					1/12/07		360.20		2751.03	Sierrita
					4/20/07		368.20		2743.03	Sierrita
					7/3/07		370.20		2741.03	Sierrita
					11/8/07		370.60		2740.63	Sierrita
					1/28/08		371.00		2740.23	Sierrita
					4/24/08		370.92		2740.31	Sierrita
					8/8/08		372.22		2739.01	Sierrita
					11/14/08		373.20		2738.03	Sierrita
					2/17/09		372.48		2738.75	Sierrita
					6/2/09		371.53		2739.70	Sierrita
					4/13/10		372.63		2738.60	Sierrita
					4/18/11		368.76		2742.47	Sierrita
					6/14/12		381.09		2730.14	Sierrita
					5/23/13		391.31		2719.92	Sierrita
					4/29/14		389.57		2721.66	Sierrita
					6/4/15		392.63	Static	2718.60	Sierrita
					11/18/15		393.67	Static	2717.56	Sierrita
					6/15/16		383.49	Static	2727.74	Sierrita
					12/8/16		394.20	Static	2717.03	Sierrita
					5/24/17		382.16	Static	2729.07	Sierrita
					10/23/17		373.60	Static	2737.63	Sierrita
					6/11/18		378.30	Static	2732.93	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-9	803635	3521252.607	496438.181	3162.57	11/8/06		380.58		2781.99	Sierrita
					1/9/07		362.10		2800.47	Sierrita
					4/20/07		363.60		2798.97	Sierrita
					7/3/07		365.25		2797.32	Sierrita
					11/8/07		367.95		2794.62	Sierrita
					1/28/08		368.58		2793.99	Sierrita
					4/24/08		367.08		2795.49	Sierrita
					8/8/08		370.38		2792.19	Sierrita
					11/14/08		371.70		2790.87	Sierrita
					2/17/09		371.97		2790.60	Sierrita
					6/2/09		370.30		2792.27	Sierrita
					4/15/10		373.30		2789.27	Sierrita
					4/19/11		375.11		2787.46	Sierrita
					4/26/12		380.49		2782.08	Sierrita
					5/23/13		386.04		2776.53	Sierrita
					3/12/14		390.22		2772.35	Sierrita
					4/25/14		390.54		2772.03	Sierrita
					5/14/14		390.45		2772.12	Sierrita
					6/24/14		390.41		2772.16	Sierrita
					7/29/14		388.82		2773.75	Sierrita
					8/8/14		387.62		2774.95	Sierrita
					9/9/14		387.00	Static	2775.57	Sierrita
					10/28/14		387.73		2774.84	Sierrita
					11/26/14		388.10		2774.47	Sierrita
					12/21/14		388.40	Static	2774.17	Sierrita
					1/29/15		388.56	Static	2774.01	Sierrita
					2/27/15		388.62	Static	2773.95	Sierrita
					3/26/15		388.39	Static	2774.18	Sierrita
					4/29/15		388.42	Static	2774.15	Sierrita
					5/21/15		388.45	Static	2774.12	Sierrita
					6/3/15		388.51	Static	2774.06	Sierrita
					7/23/15		389.72	Static	2772.85	Sierrita
					8/25/15		388.55	Static	2774.02	Sierrita
					11/2/15		388.62	Static	2773.95	Sierrita
					1/7/16		388.77	Static	2773.80	Sierrita
					2/11/16		388.70	Static	2773.87	Sierrita
					3/11/16		388.64	Static	2773.93	Sierrita
					6/23/16		387.85	Static	2774.72	Sierrita
					12/8/16		388.71	Static	2773.86	Sierrita
					5/24/17		385.93	Static	2776.64	Sierrita
					11/14/17		383.00	Static	2779.57	Sierrita
					6/11/18		379.73	Static	2782.84	Sierrita
MH-10	803636	3521236.861	495717.770	3187.84	11/8/06		346.70		2841.14	Sierrita
					1/9/07		364.80		2823.04	Sierrita
					4/3/07		355.65		2832.19	Sierrita
					7/16/07		356.75		2831.09	Sierrita
					10/16/07		357.60		2830.24	Sierrita
					1/3/08		358.32		2829.52	Sierrita
					4/28/08		358.83		2829.01	Sierrita
					7/31/08		358.50		2829.34	Sierrita
					11/4/08		360.00		2827.84	Sierrita
					1/2/09		360.15		2827.69	Sierrita
					4/14/09		363.50		2824.34	Sierrita
					4/26/10		362.04		2825.80	Sierrita
					5/18/11		363.39		2824.45	Sierrita
					6/5/12		366.25		2821.59	Sierrita
					6/10/13		369.96		2817.88	Sierrita
					4/23/14		371.84	Static	2816.00	Sierrita
					4/14/15		374.09	Static	2813.75	Sierrita
					11/18/15		375.39	Static	2812.45	Sierrita
					6/8/16		375.14	Static	2812.70	Sierrita
					12/8/16		375.43	Static	2812.41	Sierrita
					5/14/17		374.18	Static	2813.66	Sierrita
					11/14/17		373.01	Static	2814.83	Sierrita
					4/23/18		372.58	Static	2815.26	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-11	803637	3524463.648	498749.381	3041.76	11/9/06		369.90		2671.86	Sierrita
					1/11/07		369.55		2672.21	Sierrita
					4/10/07		370.46		2671.30	Sierrita
					7/17/07		372.75		2669.01	Sierrita
					10/3/07		373.80		2667.96	Sierrita
					1/4/08		373.36		2668.40	Sierrita
					4/29/08		373.89		2667.87	Sierrita
					7/29/08		375.10		2666.66	Sierrita
					11/7/08		376.85		2664.91	Sierrita
					3/19/09		374.88		2666.88	Sierrita
					5/13/09		375.75		2666.01	Sierrita
					4/27/10		375.85		2665.91	Sierrita
					5/24/11		376.65		2665.11	Sierrita
					5/24/12		376.65		2665.11	Sierrita
					4/23/13		383.85		2657.91	Sierrita
					3/12/14		399.52		2642.24	Sierrita
					4/29/14		404.51		2637.25	Sierrita
					5/14/14		404.48		2637.28	Sierrita
					6/12/14		408.00		2633.76	Sierrita
					7/28/14		411.79		2629.97	Sierrita
					8/7/14		412.19		2629.57	Sierrita
					9/8/14		413.51	Static	2628.25	Sierrita
					10/29/14		416.87		2624.89	Sierrita
					11/26/14		419.24		2622.52	Sierrita
					12/17/14		421.06	Static	2620.70	Sierrita
					1/29/15		422.70	Static	2619.06	Sierrita
					2/27/15		422.96	Static	2618.80	Sierrita
					3/18/15		421.87	Static	2619.89	Sierrita
					4/16/15		420.86	Static	2620.90	Sierrita
					5/21/15		421.21	Static	2620.55	Sierrita
					6/2/15		421.52	Static	2620.24	Sierrita
					7/24/15		425.30	Static	2616.46	Sierrita
					8/14/15		427.11	Static	2614.65	Sierrita
					11/5/15		428.08	Static	2613.68	Sierrita
					1/18/16		428.18	Static	2613.58	Sierrita
					2/11/16		428.23	Static	2613.53	Sierrita
					3/8/16		428.31	Static	2613.45	Sierrita
					5/18/16		432.35	Static	2609.41	Sierrita
					12/8/16		433.00	Static	2608.76	Sierrita
					5/10/17		440.15	Static	2601.61	Sierrita
					11/14/17		440.29	Static	2601.47	Sierrita
					5/2/18		439.26	Static	2602.50	Sierrita
MH-12	803638	3525207.002	498772.161	3055.08	3/12/14		Obstructed		NA	Sierrita
					4/29/14		UTM		NA	Sierrita
					5/14/14		UTM		NA	Sierrita
					6/9/14		UTM		NA	Sierrita
					7/28/14		UTM		NA	Sierrita
					8/7/14		UTM		NA	Sierrita
					9/8/14		UTM		NA	Sierrita
					10/28/14		UTM		NA	Sierrita
					11/26/14		UTM		NA	Sierrita
					12/17/14		UTM		NA	Sierrita
					1/28/15		UTM		NA	Sierrita
					2/27/15		UTM		NA	Sierrita
					3/18/15		UTM		NA	Sierrita
					4/2/15		UTM		NA	Sierrita
					5/21/15		UTM		NA	Sierrita
					6/11/15		UTM		NA	Sierrita
					7/23/15		UTM		NA	Sierrita
					8/25/15		UTM		NA	Sierrita
					11/5/15		UTM		NA	Sierrita
					1/7/16		UTM		NA	Sierrita
					2/11/16		UTM		NA	Sierrita
					3/7/16		UTM		NA	Sierrita
					6/23/16		UTM		NA	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-13A	904071	3523610.512	498816.963	3026.23	11/10/06		327.84		2698.39	Sierrita
					1/24/07		326.35		2699.88	Sierrita
					4/18/07		328.14		2698.09	Sierrita
					7/17/07		330.98		2695.25	Sierrita
					10/4/07		331.70		2694.53	Sierrita
					1/4/08		330.85		2695.38	Sierrita
					4/29/08		331.80		2694.43	Sierrita
					7/16/08		333.78		2692.45	Sierrita
					10/20/08		334.64		2691.59	Sierrita
					1/23/09		332.98		2693.25	Sierrita
					4/15/09		332.19		2694.04	Sierrita
					4/21/10		333.27		2692.96	Sierrita
					5/23/11		334.40		2691.83	Sierrita
					6/11/12		337.90		2688.33	Sierrita
					4/3/13		344.58		2681.65	Sierrita
					3/12/14		353.78		2672.45	Sierrita
					4/10/14		355.73		2670.50	Sierrita
					5/14/14		355.70		2670.53	Sierrita
					6/12/14		360.00		2666.23	Sierrita
					7/28/14		362.78		2663.45	Sierrita
					8/7/14		363.32		2662.91	Sierrita
					9/8/14		364.56	Static	2661.67	Sierrita
					10/29/14		365.24		2660.99	Sierrita
					11/26/14		365.91		2660.32	Sierrita
					12/17/14		366.51	Static	2659.72	Sierrita
					1/29/15		366.84	Static	2659.39	Sierrita
					2/27/15		366.90	Static	2659.33	Sierrita
					3/18/15		370.52	Static	2655.71	Sierrita
					4/22/15		370.80	Static	2655.43	Sierrita
					5/21/15		370.92	Static	2655.31	Sierrita
					6/2/15		371.02	Static	2655.21	Sierrita
					7/23/15		371.17	Static	2655.06	Sierrita
					8/25/15		375.27	Static	2650.96	Sierrita
					11/5/15		377.29	Static	2648.94	Sierrita
					1/18/16		377.24	Static	2648.99	Sierrita
					2/11/16		377.19	Static	2649.04	Sierrita
					3/8/16		377.30	Static	2648.93	Sierrita
					4/6/16		378.85	Static	2647.38	Sierrita
					12/8/16		379.20	Static	2647.03	Sierrita
					5/1/17		376.97	Static	2649.26	Sierrita
					11/14/17		384.21	Static	2642.02	Sierrita
					5/8/18		381.85	Static	2644.38	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-13B	904072	3523605.102	498823.048	3025.63	11/10/06		330.70		2694.93	Sierrita
					1/24/07		330.58		2695.05	Sierrita
					4/18/07		332.21		2693.42	Sierrita
					7/17/07		335.47		2690.16	Sierrita
					10/3/07		335.90		2689.73	Sierrita
					1/4/08		334.85		2690.78	Sierrita
					4/29/08		336.35		2689.28	Sierrita
					7/16/08		337.92		2687.71	Sierrita
					10/20/08		339.14		2686.49	Sierrita
					1/23/09		337.20		2688.43	Sierrita
					4/15/09		336.50		2689.13	Sierrita
					4/21/10		337.47		2688.16	Sierrita
					5/23/11		338.75		2686.88	Sierrita
					6/11/12		342.50		2683.13	Sierrita
					4/3/13		348.98		2676.65	Sierrita
					3/12/14		358.93		2666.70	Sierrita
					4/10/14		361.02		2664.61	Sierrita
					5/14/14		360.97		2664.66	Sierrita
					6/12/14		365.82		2659.81	Sierrita
					7/28/14		368.39		2657.24	Sierrita
					8/7/14		369.30		2656.33	Sierrita
					9/8/14		369.93	Static	2655.70	Sierrita
					10/29/14		370.39		2655.24	Sierrita
					11/26/14		370.78		2654.85	Sierrita
					12/17/14		371.23	Static	2654.40	Sierrita
					1/29/15		372.73	Static	2652.90	Sierrita
					2/27/15		373.00	Static	2652.63	Sierrita
					3/18/15		375.64	Static	2649.99	Sierrita
					4/22/15		375.55	Static	2650.08	Sierrita
					5/21/15		375.62	Static	2650.01	Sierrita
					6/2/15		375.68	Static	2649.95	Sierrita
					7/23/15		375.75	Static	2649.88	Sierrita
					8/25/15		380.98	Static	2644.65	Sierrita
					11/5/15		383.30	Static	2642.33	Sierrita
					1/18/16		383.41	Static	2642.22	Sierrita
					2/11/16		383.38	Static	2642.25	Sierrita
					3/8/16		383.47	Static	2642.16	Sierrita
					4/6/16		384.00	Static	2641.63	Sierrita
					12/8/16		384.42	Static	2641.21	Sierrita
					5/1/17		381.95	Static	2643.68	Sierrita
					11/14/17		389.79	Static	2635.84	Sierrita
					5/8/18		387.90	Static	2637.73	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-13C	904073	3523610.402	498790.263	3028.46	11/10/06		335.38		2693.08	Sierrita
					1/24/07		335.45		2693.01	Sierrita
					4/18/07		337.80		2690.66	Sierrita
					7/17/07		339.82		2688.64	Sierrita
					10/4/07		340.75		2687.71	Sierrita
					1/4/08		340.42		2688.04	Sierrita
					4/29/08		341.55		2686.91	Sierrita
					7/16/08		343.35		2685.11	Sierrita
					10/20/08		344.57		2683.89	Sierrita
					1/23/09		343.82		2684.64	Sierrita
					4/15/09		343.08		2685.38	Sierrita
					4/21/10		343.86		2684.60	Sierrita
					5/23/11		344.30		2684.16	Sierrita
					6/11/12		348.75		2679.71	Sierrita
					4/3/13		353.62		2674.84	Sierrita
					3/12/14		362.99		2665.47	Sierrita
					4/10/14		365.21		2663.25	Sierrita
					5/14/14		365.22		2663.24	Sierrita
					6/12/14		370.51		2657.95	Sierrita
					7/28/14		373.52		2654.94	Sierrita
					8/7/14		374.46		2654.00	Sierrita
					9/8/14		375.79	Static	2652.67	Sierrita
					10/29/14		376.54		2651.92	Sierrita
					11/26/14		377.00		2651.46	Sierrita
					12/17/14		377.60	Static	2650.86	Sierrita
					1/29/15		378.11	Static	2650.35	Sierrita
					2/27/15		378.52	Static	2649.94	Sierrita
					3/18/15		382.36	Static	2646.10	Sierrita
					4/22/15		382.61	Static	2645.85	Sierrita
					5/21/15		382.75	Static	2645.71	Sierrita
					6/2/15		382.87	Static	2645.59	Sierrita
					7/23/15		382.94	Static	2645.52	Sierrita
					8/25/15		386.44	Static	2642.02	Sierrita
					11/5/15		388.32	Static	2640.14	Sierrita
					1/18/16		388.46	Static	2640.00	Sierrita
					2/11/16		388.48	Static	2639.98	Sierrita
					3/8/16		388.56	Static	2639.90	Sierrita
					4/6/16		391.65	Static	2636.81	Sierrita
					12/8/16		391.73	Static	2636.73	Sierrita
					5/1/17		390.34	Static	2638.12	Sierrita
					11/14/17		459.35	Static	2569.11	Sierrita
					5/8/18		399.09	Static	2629.37	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-14	528098	3525269.340	497517.626	3153.46	12/18/06		427.28		2726.18	Sierrita
					2/23/07		426.75		2726.71	Sierrita
					4/23/07		425.58		2727.88	Sierrita
					7/10/07		424.20		2729.26	Sierrita
					10/17/07		422.80		2730.66	Sierrita
					1/18/08		424.87		2728.59	Sierrita
					4/8/08		425.13		2728.33	Sierrita
					7/22/08		423.92		2729.54	Sierrita
					10/6/08		426.03		2727.43	Sierrita
					2/13/09		425.90		2727.56	Sierrita
					4/7/09		424.90		2728.56	Sierrita
					4/15/10		422.91		2730.55	Sierrita
					8/12/10		421.82		2731.64	Sierrita
					4/19/11		418.94		2734.52	Sierrita
					4/25/12		419.83		2733.63	Sierrita
					4/2/13		425.59		2727.87	Sierrita
					10/21/13		426.13		2727.33	Sierrita
					1/3/14		426.45		2727.01	Sierrita
					3/12/14		UTM		NA	Sierrita
					3/25/14		435.04		2718.42	Sierrita
					4/9/14		436.20		2717.26	Sierrita
					5/14/14		436.12		2717.34	Sierrita
					6/24/14		436.09		2717.37	Sierrita
					7/7/14		440.32		2713.14	Sierrita
					8/8/14		441.58		2711.88	Sierrita
					9/9/14		442.76	Static	2710.70	Sierrita
					10/28/14		442.79		2710.67	Sierrita
					11/4/14		443.64		2709.82	Sierrita
					12/20/14		444.48	Static	2708.98	Sierrita
					1/7/15		445.85	Static	2707.61	Sierrita
					2/27/15		446.20	Static	2707.26	Sierrita
					3/26/15		447.25	Static	2706.21	Sierrita
					4/21/15		447.63	Static	2705.83	Sierrita
					5/21/15		447.89	Static	2705.57	Sierrita
					6/2/15		447.93	Static	2705.53	Sierrita
					7/6/15		449.87	Static	2703.59	Sierrita
					8/25/15		452.49	Static	2700.97	Sierrita
					10/7/15		454.52	Static	2698.94	Sierrita
					11/18/15		454.44	Static	2699.02	Sierrita
					1/13/16		455.10	Static	2698.36	Sierrita
					2/11/16		455.18	Static	2698.28	Sierrita
					3/11/16		455.23	Static	2698.23	Sierrita
					4/5/16		455.29	Static	2698.17	Sierrita
					12/6/16		456.18	Static	2697.28	Sierrita
					1/10/17		456.40	Static	2697.06	Sierrita
					3/9/17		453.45	Static	2700.01	Sierrita
					4/3/17		454.28	Static	2699.18	Sierrita
					7/11/17		452.67	Static	2700.79	Sierrita
					10/18/17		449.34	Static	2704.12	Sierrita
					4/10/18		449.39	Static	2704.07	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-15E	528094	3523274.327	497584.800	3111.37	11/10/06		385.25		2726.12	Sierrita
					2/23/07		384.07		2727.30	Sierrita
					4/23/07		385.11		2726.26	Sierrita
					7/21/07		385.80		2725.57	Sierrita
					10/20/07		387.08		2724.29	Sierrita
					1/18/08		386.60		2724.77	Sierrita
					4/21/08		386.18		2725.19	Sierrita
					7/29/08		387.39		2723.98	Sierrita
					10/24/08		388.51		2722.86	Sierrita
					2/17/09		387.46		2723.91	Sierrita
					6/2/09		386.98		2724.39	Sierrita
					4/13/10		386.17		2725.20	Sierrita
					4/18/11		382.69		2728.68	Sierrita
					6/14/12		391.96		2719.41	Sierrita
					4/2/13		407.42		2703.95	Sierrita
					3/12/14		409.49		2701.88	Sierrita
					4/25/14		410.59		2700.78	Sierrita
					5/14/14		410.62		2700.75	Sierrita
					6/24/14		410.60		2700.77	Sierrita
					7/29/14		404.02		2707.35	Sierrita
					8/8/14		404.33		2707.04	Sierrita
					9/9/14		404.56	Static	2706.81	Sierrita
					10/28/14		402.90		2708.47	Sierrita
					11/26/14		403.20		2708.17	Sierrita
					12/20/14		403.49	Static	2707.88	Sierrita
					1/29/15		403.64	Static	2707.73	Sierrita
					2/27/15		403.66	Static	2707.71	Sierrita
					3/26/15		401.26	Static	2710.11	Sierrita
					4/29/15		401.28	Static	2710.09	Sierrita
					5/21/15		401.25	Static	2710.12	Sierrita
					6/3/15		401.31	Static	2710.06	Sierrita
					7/23/15		411.84	Static	2699.53	Sierrita
					8/25/15		416.47	Static	2694.90	Sierrita
					11/2/15		421.92	Static	2689.45	Sierrita
					1/7/16		422.24	Static	2689.13	Sierrita
					2/11/16		422.21	Static	2689.16	Sierrita
					3/11/16		422.26	Static	2689.11	Sierrita
					6/23/16		405.39	Static	2705.98	Sierrita
					12/8/16		409.57	Static	2701.80	Sierrita
					5/24/17		404.93	Static	2706.44	Sierrita
					11/14/17		398.22	Static	2713.15	Sierrita
					6/11/18		399.49	Static	2711.88	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-15W	528093	3523275.003	497524.067	3117.07	12/18/06		391.30		2725.77	Sierrita
					2/23/07		390.00		2727.07	Sierrita
					4/23/07		391.18		2725.89	Sierrita
					7/11/07		390.85		2726.22	Sierrita
					10/17/07		393.10		2723.97	Sierrita
					1/18/08		392.90		2724.17	Sierrita
					4/8/08		391.00		2726.07	Sierrita
					7/1/08		392.70		2724.37	Sierrita
					10/6/08		394.00		2723.07	Sierrita
					1/7/09		392.55		2724.52	Sierrita
					5/6/09		390.25		2726.82	Sierrita
					4/15/10		390.58		2726.49	Sierrita
					8/12/10		389.20		2727.87	Sierrita
					5/17/11		388.95		2728.12	Sierrita
					4/25/12		397.62		2719.45	Sierrita
					5/28/13		409.15		2707.92	Sierrita
					12/12/13		414.19		2702.88	Sierrita
					1/3/14		412.60		2704.47	Sierrita
					3/12/14		414.01		2703.06	Sierrita
					4/9/14		412.76		2704.31	Sierrita
					5/14/14		412.77		2704.30	Sierrita
					6/24/14		412.74		2704.33	Sierrita
					7/7/14		413.44		2703.63	Sierrita
					8/8/14		409.65		2707.42	Sierrita
					9/9/14		407.53	Static	2709.54	Sierrita
					10/28/14		403.64		2713.43	Sierrita
					11/4/14		405.18		2711.89	Sierrita
					12/20/14		406.58	Static	2710.49	Sierrita
					1/7/15		405.68	Static	2711.39	Sierrita
					2/27/15		405.79	Static	2711.28	Sierrita
					3/26/15		401.30	Static	2715.77	Sierrita
					4/21/15		401.33	Static	2715.74	Sierrita
					5/18/15		401.27	Static	2715.80	Sierrita
					6/3/15		401.36	Static	2715.71	Sierrita
					7/6/15		401.37	Static	2715.70	Sierrita
					8/25/15		419.08	Static	2697.99	Sierrita
					10/8/15		UTM		NA	Sierrita
					11/2/15		UTM		NA	Sierrita
					1/13/16		UTM		NA	Sierrita
					2/11/16		UTM		NA	Sierrita
					3/11/16		UTM		NA	Sierrita
					4/5/16		UTM		NA	Sierrita
					12/6/16		UTM		NA	Sierrita
					3/9/17		413.89	Static	2703.18	Sierrita
					4/3/17		415.79	Static	2701.28	Sierrita
					7/11/17		415.65	Static	2701.42	Sierrita
					10/19/17		400.00	Static	2717.07	Sierrita
					4/11/18		395.82	Static	2721.25	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-16E	528100	3521870.233	497576.673	3097.72	12/18/06		344.70		2753.02	Sierrita
					2/23/07		349.39		2748.33	Sierrita
					4/23/07		352.85		2744.87	Sierrita
					7/21/07		355.00		2742.72	Sierrita
					10/20/07		355.55		2742.17	Sierrita
					1/19/08		355.30		2742.42	Sierrita
					4/21/08		355.15		2742.57	Sierrita
					7/29/08		356.78		2740.94	Sierrita
					10/24/08		357.62		2740.10	Sierrita
					2/17/09		357.02		2740.70	Sierrita
					6/2/09		354.15		2743.57	Sierrita
					4/13/10		357.71		2740.01	Sierrita
					4/18/11		354.93		2742.79	Sierrita
					4/26/12		362.82		2734.90	Sierrita
					5/23/13		364.82		2732.90	Sierrita
					3/12/14		384.61		2713.11	Sierrita
					4/25/14		382.54		2715.18	Sierrita
					5/14/14		382.56		2715.16	Sierrita
					6/24/14		382.55		2715.17	Sierrita
					7/29/14		380.17		2717.55	Sierrita
					8/8/14		381.30		2716.42	Sierrita
					9/9/14		382.26	Static	2715.46	Sierrita
					10/28/14		379.10		2718.62	Sierrita
					11/26/14		380.26		2717.46	Sierrita
					12/21/14		381.24	Static	2716.48	Sierrita
					1/29/15		381.30	Static	2716.42	Sierrita
					2/27/15		381.33	Static	2716.39	Sierrita
					3/26/15		379.61	Static	2718.11	Sierrita
					4/29/15		379.56	Static	2718.16	Sierrita
					5/21/15		379.58	Static	2718.14	Sierrita
					6/3/15		379.64	Static	2718.08	Sierrita
					7/23/15		385.44	Static	2712.28	Sierrita
					8/25/15		386.73	Static	2710.99	Sierrita
					11/2/15		389.51	Static	2708.21	Sierrita
					1/7/16		389.68	Static	2708.04	Sierrita
					2/11/16		389.77	Static	2707.95	Sierrita
					3/11/16		389.80	Static	2707.92	Sierrita
					6/23/16		372.10	Static	2725.62	Sierrita
					12/8/16		377.64	Static	2720.08	Sierrita
					5/24/17		370.32	Static	2727.40	Sierrita
					11/14/17		360.24	Static	2737.48	Sierrita
					6/11/18		DRY		DRY	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-16W	528099	3521870.818	497516.074	3100.24	12/18/06		346.62		2753.62	Sierrita
					2/23/07		352.18		2748.06	Sierrita
					4/23/07		355.75		2744.49	Sierrita
					7/11/07		357.47		2742.77	Sierrita
					10/17/07		357.75		2742.49	Sierrita
					1/3/08		357.80		2742.44	Sierrita
					4/24/08		357.87		2742.37	Sierrita
					7/22/08		359.24		2741.00	Sierrita
					10/8/08		360.03		2740.21	Sierrita
					3/19/09		358.73		2741.51	Sierrita
					4/7/09		358.60		2741.64	Sierrita
					4/15/10		360.31		2739.93	Sierrita
					8/12/10		360.42		2739.82	Sierrita
					5/17/11		357.55		2742.69	Sierrita
					4/25/12		364.24		2736.00	Sierrita
					4/2/13		377.99		2722.25	Sierrita
					10/21/13		387.88		2712.36	Sierrita
					1/3/14		389.39		2710.85	Sierrita
					3/12/14		385.88		2714.36	Sierrita
					4/9/14		383.83		2716.41	Sierrita
					5/14/14		383.87		2716.37	Sierrita
					6/24/14		383.89		2716.35	Sierrita
					7/7/14		381.43		2718.81	Sierrita
					8/8/14		382.48		2717.76	Sierrita
					9/9/14		383.38	Static	2716.86	Sierrita
					10/28/14		379.41		2720.83	Sierrita
					11/4/14		380.82		2719.42	Sierrita
					12/21/14		382.11	Static	2718.13	Sierrita
					1/7/15		382.74	Static	2717.50	Sierrita
					2/27/15		382.81	Static	2717.43	Sierrita
					3/26/15		379.84	Static	2720.40	Sierrita
					4/21/15		381.49	Static	2718.75	Sierrita
					5/21/15		381.20	Static	2719.04	Sierrita
					6/3/15		381.43	Static	2718.81	Sierrita
					7/6/15		385.73	Static	2714.51	Sierrita
					8/25/15		387.68	Static	2712.56	Sierrita
					10/8/15		386.10	Static	2714.14	Sierrita
					11/2/15		387.14	Static	2713.10	Sierrita
					1/13/16		387.06	Static	2713.18	Sierrita
					2/11/16		387.02	Static	2713.22	Sierrita
					3/11/16		386.95	Static	2713.29	Sierrita
					4/5/16		387.02	Static	2713.22	Sierrita
					8/16/16		386.20	Static	2714.04	Sierrita
					12/6/16		387.24	Static	2713.00	Sierrita
					1/10/17		386.92	Static	2713.32	Sierrita
					3/9/17		364.35	Static	2735.89	Sierrita
					4/4/17		368.45	Static	2731.79	Sierrita
					7/11/17		369.92	Static	2730.32	Sierrita
					10/19/17		359.75	Static	2740.49	Sierrita
					4/11/18		365.59	Static	2734.65	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-24	563799	3523709.046	497390.515	3131.16	11/21/06		397.50		2733.66	Sierrita
					4/20/07		399.35		2731.81	Sierrita
					8/3/07		399.33		2731.83	Sierrita
					11/8/07		400.50		2730.66	Sierrita
					1/30/08		396.90		2734.26	Sierrita
					4/24/08		395.89		2735.27	Sierrita
					8/7/08		396.78		2734.38	Sierrita
					11/14/08		396.88		2734.28	Sierrita
					2/17/09		396.31		2734.85	Sierrita
					6/2/09		396.50		2734.66	Sierrita
					4/13/10		386.43		2744.73	Sierrita
					4/18/11		392.84		2738.32	Sierrita
					4/25/12		396.58		2734.58	Sierrita
					4/2/13		408.56		2722.60	Sierrita
					4/29/14		Obstructed		NA	Sierrita
					5/22/14		407.41		2723.75	Sierrita
					6/4/15		404.82	Static	2726.34	Sierrita
					11/18/15		UTM		NA	Sierrita
					6/15/16		UTM		NA	Sierrita
					5/24/17		UTM		NA	Sierrita
					10/23/17		UTM		NA	Sierrita
					6/11/18		402.59	Static	2728.57	Sierrita
MH-25A	201528	3526510.175	498880.349	3056.57	11/13/06		454.11		2602.46	Sierrita
					1/10/07		453.10		2603.47	Sierrita
					4/4/07		452.20		2604.37	Sierrita
					7/20/07		454.02		2602.55	Sierrita
					10/3/07		454.69		2601.88	Sierrita
					1/2/08		454.82		2601.75	Sierrita
					4/25/08		454.47		2602.10	Sierrita
					7/2/08		455.68		2600.89	Sierrita
					10/17/08		457.49		2599.08	Sierrita
					1/5/09		457		2599.57	Sierrita
					4/15/09		455.90		2600.67	Sierrita
					4/13/10		458.10		2598.47	Sierrita
					4/27/11		459.25		2597.32	Sierrita
					5/1/12		459.69		2596.88	Sierrita
					4/3/13		461.70		2594.87	Sierrita
					3/12/14		473.95		2582.62	Sierrita
					4/15/14		477.45		2579.12	Sierrita
					5/13/14		477.40		2579.17	Sierrita
					6/9/14		482.36		2574.21	Sierrita
					7/28/14		486.66		2569.91	Sierrita
					8/7/14		488.09		2568.48	Sierrita
					9/8/14		489.49	Static	2567.08	Sierrita
					10/29/14		492.67		2563.90	Sierrita
					11/26/14		495.20		2561.37	Sierrita
					12/17/14		497.76	Static	2558.81	Sierrita
					1/29/15		499.10	Static	2557.47	Sierrita
					2/27/15		500.16	Static	2556.41	Sierrita
					3/18/15		498.50	Static	2558.07	Sierrita
					4/7/15		499.37	Static	2557.20	Sierrita
					5/21/15		501.39	Static	2555.18	Sierrita
					6/1/15		503.19	Static	2553.38	Sierrita
					8/31/15		505.05	Static	2551.52	Sierrita
					11/5/15		505.24	Static	2551.33	Sierrita
					1/7/16		507.87	Static	2548.70	Sierrita
					2/12/16		508.53	Static	2548.04	Sierrita
					3/7/16		508.92	Static	2547.65	Sierrita
					4/11/16		510.58	Static	2545.99	Sierrita
					12/8/16		510.97	Static	2545.60	Sierrita
					5/2/17		518.86	Static	2537.71	Sierrita
					11/15/17		521.62	Static	2534.95	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-25B	208429	3526515.244	498870.343	3058.22	11/13/06		455.36		2602.86	Sierrita
					1/10/07		454.28		2603.94	Sierrita
					4/4/07		453.20		2605.02	Sierrita
					7/20/07		455.32		2602.90	Sierrita
					10/3/07		456.01		2602.21	Sierrita
					1/2/08		456.05		2602.17	Sierrita
					4/25/08		456.02		2602.20	Sierrita
					7/2/08		457.10		2601.12	Sierrita
					10/17/08		458.39		2599.83	Sierrita
					1/5/09		458.38		2599.84	Sierrita
					4/15/09		457.28		2600.94	Sierrita
					4/13/10		458.27		2599.95	Sierrita
					4/27/11		460.35		2597.87	Sierrita
					6/15/11		460.85		2597.37	Sierrita
					5/1/12		460.90		2597.32	Sierrita
					4/3/13		463.02		2595.20	Sierrita
					3/12/14		475.49		2582.73	Sierrita
					4/15/14		478.92		2579.30	Sierrita
					5/13/14		478.93		2579.29	Sierrita
					6/9/14		483.75		2574.47	Sierrita
					7/28/14		488.06		2570.16	Sierrita
					8/7/14		489.41		2568.81	Sierrita
					9/8/14		490.78	Static	2567.44	Sierrita
					10/29/14		493.95		2564.27	Sierrita
					11/26/14		496.89		2561.33	Sierrita
					12/17/14		499.64	Static	2558.58	Sierrita
					1/29/15		501.19	Static	2557.03	Sierrita
					2/27/15		502.38	Static	2555.84	Sierrita
					3/18/15		499.72	Static	2558.50	Sierrita
					4/7/15		500.60	Static	2557.62	Sierrita
					5/21/15		502.63	Static	2555.59	Sierrita
					6/1/15		502.94	Static	2555.28	Sierrita
					7/23/15		504.42	Static	2553.80	Sierrita
					8/31/15		UTM		NA	Sierrita
					11/5/15		UTM		NA	Sierrita
					1/7/16		UTM		NA	Sierrita
					2/12/16		UTM		NA	Sierrita
					3/7/16		UTM		NA	Sierrita
					4/11/16		UTM		NA	Sierrita
					9/21/16		515.10	Static	2543.12	Sierrita
					12/8/16		518.21	Static	2540.01	Sierrita
					5/2/17		519.29	Static	2538.93	Sierrita
					11/15/17		522.10	Static	2536.12	Sierrita
					5/2/18		522.21	Static	2536.01	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-25C	208426	3526491.132	498874.666	3057.24	11/13/06		454.65		2602.59	Sierrita
					1/10/07		453.57		2603.67	Sierrita
					4/13/07		452.30		2604.94	Sierrita
					7/20/07		454.42		2602.82	Sierrita
					10/3/07		455.19		2602.05	Sierrita
					1/2/08		455.06		2602.18	Sierrita
					4/25/08		454.84		2602.40	Sierrita
					7/2/08		456.23		2601.01	Sierrita
					10/17/08		457.49		2599.75	Sierrita
					1/5/09		457.30		2599.94	Sierrita
					4/15/09		456.41		2600.83	Sierrita
					4/13/10		459.28		2597.96	Sierrita
					4/27/11		459.16		2598.08	Sierrita
					6/15/11		459.52		2597.72	Sierrita
					5/1/12		459.76		2597.48	Sierrita
					4/3/13		461.80		2595.44	Sierrita
					3/12/14		474.31		2582.93	Sierrita
					4/15/14		477.67		2579.57	Sierrita
					5/13/14		477.63		2579.61	Sierrita
					6/9/14		482.63		2574.61	Sierrita
					7/28/14		487.01		2570.23	Sierrita
					8/7/14		488.25		2568.99	Sierrita
					9/8/14		489.69	Static	2567.55	Sierrita
					10/29/14		492.81		2564.43	Sierrita
					11/26/14		495.28		2561.96	Sierrita
					12/17/14		497.94	Static	2559.30	Sierrita
					1/29/15		500.06	Static	2557.18	Sierrita
					2/27/15		501.45	Static	2555.79	Sierrita
					3/18/15		498.51	Static	2558.73	Sierrita
					4/7/15		UTM		NA	Sierrita
					5/21/15		UTM		NA	Sierrita
					6/1/15		UTM		NA	Sierrita
					7/23/15		UTM		NA	Sierrita
					8/31/15		UTM		NA	Sierrita
					11/5/15		UTM		NA	Sierrita
					1/7/16		UTM		NA	Sierrita
					2/12/16		UTM		NA	Sierrita
					3/7/16		UTM		NA	Sierrita
					4/11/16		UTM		NA	Sierrita
					9/21/16		514.86	Static	2542.38	Sierrita
					12/8/16		516.18	Static	2541.06	Sierrita
					5/2/17		518.90	Static	2538.34	Sierrita
					11/15/17		521.81	Static	2535.43	Sierrita
					5/2/18		521.85	Static	2535.39	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-26A	201527	3527818.233	498852.692	3070.89	11/13/06		495.74		2575.15	Sierrita
					1/15/07		495.65		2575.24	Sierrita
					4/4/07		493.75		2577.14	Sierrita
					7/19/07		495.02		2575.87	Sierrita
					10/2/07		496.12		2574.77	Sierrita
					1/2/08		496.28		2574.61	Sierrita
					4/25/08		495.73		2575.16	Sierrita
					7/2/08		496.98		2573.91	Sierrita
					10/17/08		498.23		2572.66	Sierrita
					1/5/09		498.76		2572.13	Sierrita
					4/21/09		497.85		2573.04	Sierrita
					4/13/10		499.68		2571.21	Sierrita
					4/27/11		500.71		2570.18	Sierrita
					5/2/12		501.05		2569.84	Sierrita
					4/4/13		501.96		2568.93	Sierrita
					3/12/14		513.50		2557.39	Sierrita
					4/15/14		513.40		2557.49	Sierrita
					5/13/14		513.36		2557.53	Sierrita
					6/9/14		520.93		2549.96	Sierrita
					7/28/14		524.95		2545.94	Sierrita
					8/7/14		525.55		NA	Sierrita
					9/8/14		UTM		NA	Sierrita
					10/28/14		UTM		NA	Sierrita
					11/26/14		UTM		NA	Sierrita
					12/16/14		UTM		NA	Sierrita
					1/29/15		UTM		NA	Sierrita
					2/27/15		UTM		NA	Sierrita
					3/18/15		UTM		NA	Sierrita
					4/7/15		UTM		NA	Sierrita
					5/2/15		UTM		NA	Sierrita
					6/1/15		UTM		NA	Sierrita
					7/8/15		UTM		NA	Sierrita
					8/17/15		UTM		NA	Sierrita
					11/6/15		UTM		NA	Sierrita
					1/7/16		DRY		DRY	Sierrita
					2/12/16		DRY		DRY	Sierrita
					3/7/16		DRY		DRY	Sierrita
					4/11/16		DRY		DRY	Sierrita
					12/9/16		DRY		DRY	Sierrita
					5/2/17		DRY		DRY	Sierrita
					11/15/17		DRY		DRY	Sierrita
					5/3/18		DRY		DRY	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-26B	208427	3527814.016	498839.900	3070.50	11/13/06		493.00		2577.50	Sierrita
					1/15/07		492.85		2577.65	Sierrita
					4/4/07		490.78		2579.72	Sierrita
					7/19/07		492.01		2578.49	Sierrita
					10/2/07		493.18		2577.32	Sierrita
					1/2/08		493.76		2576.74	Sierrita
					4/25/08		492.98		2577.52	Sierrita
					7/2/08		494.10		2576.40	Sierrita
					10/20/08		495.31		2575.19	Sierrita
					1/5/09		495.88		2574.62	Sierrita
					4/21/09		494.90		2575.60	Sierrita
					4/13/10		496.77		2573.73	Sierrita
					5/5/11		497.73		2572.77	Sierrita
					5/1/12		498.00		2572.50	Sierrita
					4/4/13		499.03		2571.47	Sierrita
					3/12/14		510.69		2559.81	Sierrita
					4/15/14		510.67		2559.83	Sierrita
					5/13/14		510.68		2559.82	Sierrita
					6/9/14		517.75		2552.75	Sierrita
					7/28/14		522.14		2548.36	Sierrita
					8/7/14		523.46		2547.04	Sierrita
					9/8/14		524.35	Static	2546.15	Sierrita
					10/28/14		527.68		2542.82	Sierrita
					11/26/14		529.90		2540.60	Sierrita
					12/16/14		531.11	Static	2539.39	Sierrita
					1/29/15		531.79	Static	2538.71	Sierrita
					2/27/15		532.68	Static	2537.82	Sierrita
					3/18/15		533.34	Static	2537.16	Sierrita
					4/7/15		534.12	Static	2536.38	Sierrita
					5/21/15		535.90	Static	2534.60	Sierrita
					6/1/15		535.79	Static	2534.71	Sierrita
					7/8/15		537.52	Static	2532.98	Sierrita
					8/17/15		UTM		NA	Sierrita
					11/6/15		UTM		NA	Sierrita
					1/7/16		UTM		NA	Sierrita
					2/12/16		UTM		NA	Sierrita
					3/7/16		UTM		NA	Sierrita
					4/11/16		UTM		NA	Sierrita
					9/21/16		548.09	Static	2522.41	Sierrita
					12/9/16		549.16	Static	2521.34	Sierrita
					5/2/17		551.60	Static	2518.90	Sierrita
					11/15/17		556.27	Static	2514.23	Sierrita
					5/3/18		558.61	Static	2511.89	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-26C	208428	3527806.770	498865.240	3069.11	11/13/06		494.45		2574.66	Sierrita
					1/15/07		494.10		2575.01	Sierrita
					4/4/07		492.30		2576.81	Sierrita
					7/19/07		493.62		2575.49	Sierrita
					10/2/07		496.58		2572.53	Sierrita
					1/2/08		495.35		2573.76	Sierrita
					4/25/08		494.37		2574.74	Sierrita
					7/2/08		495.55		2573.56	Sierrita
					10/20/08		496.78		2572.33	Sierrita
					1/5/09		497.21		2571.90	Sierrita
					4/21/09		493.95		2575.16	Sierrita
					4/13/10		498.14		2570.97	Sierrita
					4/27/11		499.14		2569.97	Sierrita
					5/1/12		499.44		2569.67	Sierrita
					4/4/13		500.61		2568.50	Sierrita
					3/12/14		512.31		2556.80	Sierrita
					4/15/14		512.27		2556.84	Sierrita
					5/13/14		512.30		2556.81	Sierrita
					6/9/14		519.21		2549.90	Sierrita
					7/28/14		523.77		2545.34	Sierrita
					8/7/14		525.34		2543.77	Sierrita
					9/8/14		526.04	Static	2543.07	Sierrita
					10/28/14		529.30		2539.81	Sierrita
					11/26/14		532.02		2537.09	Sierrita
					12/16/14		535.02	Static	2534.09	Sierrita
					1/29/15		536.86	Static	2532.25	Sierrita
					2/27/15		534.31	Static	2534.80	Sierrita
					3/18/15		535.01	Static	2534.10	Sierrita
					4/7/15		535.70	Static	2533.41	Sierrita
					5/21/15		537.57	Static	2531.54	Sierrita
					6/1/15		539.22	Static	2529.89	Sierrita
					7/8/15		541.12	Static	2527.99	Sierrita
					8/17/15		541.14	Static	2527.97	Sierrita
					11/6/15		541.29	Static	2527.82	Sierrita
					1/7/16		543.66	Static	2525.45	Sierrita
					2/12/16		544.54	Static	2524.57	Sierrita
					3/7/16		545.45	Static	2523.66	Sierrita
					4/11/16		UTM		NA	Sierrita
					9/21/16		549.78	Static	2519.33	Sierrita
					12/9/16		551.19	Static	2517.92	Sierrita
					5/2/17		552.85	Static	2516.26	Sierrita
					11/15/17		557.59	Static	2511.52	Sierrita
					5/3/18		559.68	Static	2509.43	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-28	903648	3524609.980	497471.427	3142.18	11/14/06		401.10		2741.08	Sierrita
					2/19/07		401.10		2741.08	Sierrita
					4/17/07		402.32		2739.86	Sierrita
					7/16/07		403.18		2739.00	Sierrita
					10/11/07		403.00		2739.18	Sierrita
					1/21/08		402.72		2739.46	Sierrita
					4/8/08		401.90		2740.28	Sierrita
					7/1/08		401.48		2740.70	Sierrita
					10/6/08		402.17		2740.01	Sierrita
					1/7/09		402		2740.18	Sierrita
					4/7/09		401.06		2741.12	Sierrita
					10/13/09		401.10		2741.08	Sierrita
					4/15/10		395.65		2746.53	Sierrita
					8/12/10		398.60		2743.58	Sierrita
					10/12/10		399.00		2743.18	Sierrita
					5/17/11		396.89		2745.29	Sierrita
					10/4/11		397.90		2744.28	Sierrita
					5/21/12		398.64		2743.54	Sierrita
					10/9/12		403.77		2738.41	Sierrita
					4/2/13		405.08		2737.10	Sierrita
					10/21/13		407.88		2734.30	Sierrita
					1/3/14		408.01		2734.17	Sierrita
					3/12/14		411.69		2730.49	Sierrita
					4/9/14		412.72		2729.46	Sierrita
					5/14/14		412.74		2729.44	Sierrita
					6/24/14		412.76		2729.42	Sierrita
					7/7/14		414.90		2727.28	Sierrita
					8/8/14		414.60		2727.58	Sierrita
					9/9/14		414.19	Static	2727.99	Sierrita
					10/28/14		415.32		2726.86	Sierrita
					11/4/14		415.92		2726.26	Sierrita
					12/20/14		416.46	Static	2725.72	Sierrita
					1/7/15		416.16	Static	2726.02	Sierrita
					2/27/15		416.10	Static	2726.08	Sierrita
					3/26/15		414.87	Static	2727.31	Sierrita
					4/21/15		414.83	Static	2727.35	Sierrita
					5/21/15		414.80	Static	2727.38	Sierrita
					6/3/15		414.86	Static	2727.32	Sierrita
					7/6/15		416.53	Static	2725.65	Sierrita
					7/20/15		416.85	Static	2725.33	Sierrita
					8/25/15		417.35	Static	2724.83	Sierrita
					10/8/15		417.68	Static	2724.50	Sierrita
					11/2/15		417.63	Static	2724.55	Sierrita
					1/13/16		418.49	Static	2723.69	Sierrita
					2/11/16		418.67	Static	2723.51	Sierrita
					3/11/16		418.74	Static	2723.44	Sierrita
					4/5/16		417.34	Static	2724.84	Sierrita
					8/16/16		415.50	Static	2726.68	Sierrita
					10/26/16		415.13	Static	2727.05	Sierrita
					1/10/17		415.10	Static	2727.08	Sierrita
					4/5/17		414.94	Static	2727.24	Sierrita
					7/6/17		416.84	Static	2725.34	Sierrita
					10/11/17		414.89	Static	2727.29	Sierrita
					4/10/18		413.39	Static	2728.79	Sierrita
					8/7/18		412.65	Static	2729.53	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-29	903649	3522805.520	497604.330	3123.15	11/14/06		378.05		2745.10	Sierrita
					2/19/07		376.58		2746.57	Sierrita
					4/17/07		376.75		2746.40	Sierrita
					7/16/07		379.07		2744.08	Sierrita
					10/11/07		381.92		2741.23	Sierrita
					1/18/08		380.41		2742.74	Sierrita
					4/8/08		380.16		2742.99	Sierrita
					7/1/08		380.50		2742.65	Sierrita
					10/7/08		381.52		2741.63	Sierrita
					1/9/09		380.25		2742.90	Sierrita
					4/7/09		379.90		2743.25	Sierrita
					10/13/09		380.52		2742.63	Sierrita
					4/15/10		379.59		2743.56	Sierrita
					8/12/10		378.65		2744.50	Sierrita
					10/12/10		379.31		2743.84	Sierrita
					4/20/11		377.75		2745.40	Sierrita
					5/23/11		377.80		2745.35	Sierrita
					10/4/11		380.25		2742.90	Sierrita
					5/21/12		389.39		2733.76	Sierrita
					10/9/12		365.70		2757.45	Sierrita
					4/2/13		392.00		2731.15	Sierrita
					11/8/13		393.39		2729.76	Sierrita
					12/11/13		394.82		2728.33	Sierrita
					1/3/14		394.63		2728.52	Sierrita
					3/12/14		394.25		2728.90	Sierrita
					4/9/14		393.95		2729.20	Sierrita
					5/14/14		393.92		2729.23	Sierrita
					6/24/14		393.94		2729.21	Sierrita
					7/7/14		392.13		2731.02	Sierrita
					8/8/14		392.28		2730.87	Sierrita
					9/9/14		392.59	Static	2730.56	Sierrita
					10/28/14		400.46		2722.69	Sierrita
					11/4/14		400.90		2722.25	Sierrita
					12/21/14		401.30	Static	2721.85	Sierrita
					1/7/15		402.56	Static	2720.59	Sierrita
					2/27/15		402.89	Static	2720.26	Sierrita
					3/26/15		402.18	Static	2720.97	Sierrita
					4/21/15		402.40	Static	2720.75	Sierrita
					5/21/15		402.49	Static	2720.66	Sierrita
					6/3/15		402.52	Static	2720.63	Sierrita
					7/6/15		404.41	Static	2718.74	Sierrita
					8/25/15		404.64	Static	2718.51	Sierrita
					10/8/15		404.75	Static	2718.40	Sierrita
					11/2/15		404.71	Static	2718.44	Sierrita
					1/13/16		404.88	Static	2718.27	Sierrita
					2/11/16		404.93	Static	2718.22	Sierrita
					3/11/16		404.90	Static	2718.25	Sierrita
					4/5/16		404.94	Static	2718.21	Sierrita
					8/16/16		404.76	Static	2718.39	Sierrita
					10/26/16		404.72	Static	2718.43	Sierrita
					1/10/17		404.50	Static	2718.65	Sierrita
					3/9/17		391.53	Static	2731.62	Sierrita
					4/5/17		396.50	Static	2726.65	Sierrita
					7/6/17		395.78	Static	2727.37	Sierrita
					10/11/17		387.59	Static	2735.56	Sierrita
					4/10/18		388.52	Static	2734.63	Sierrita
					8/7/18		392.58	Static	2730.57	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-30	903884	3525926.812	496682.307	3232.45	11/10/06		422.78		2809.67	Sierrita
					1/9/07		421.65		2810.80	Sierrita
					4/9/07		419.32		2813.13	Sierrita
					7/11/07		416.85		2815.60	Sierrita
					10/2/07		416.95		2815.50	Sierrita
					1/18/08		417.34		2815.11	Sierrita
					4/8/08		418.12		2814.33	Sierrita
					7/1/08		417.71		2814.74	Sierrita
					10/6/08		417.11		2815.34	Sierrita
					1/7/09		416.37		2816.08	Sierrita
					4/7/09		415.10		2817.35	Sierrita
					4/15/10		412.03		2820.42	Sierrita
					5/17/11		412.18		2820.27	Sierrita
					4/26/12		420.61		2811.84	Sierrita
					6/6/13		427.36		2805.09	Sierrita
					3/12/14		429.01		2803.44	Sierrita
					4/8/14		429.46		2802.99	Sierrita
					5/14/14		429.47		2802.98	Sierrita
					6/24/14		429.48		2802.97	Sierrita
					7/29/14		430.12		2802.33	Sierrita
					8/8/14		430.23		2802.22	Sierrita
					9/9/14		430.41	Static	2802.04	Sierrita
					10/28/14		451.78		2780.67	Sierrita
					11/26/14		430.82		2801.63	Sierrita
					12/20/14		436.19	Static	2796.26	Sierrita
					1/29/15		440.11	Static	2792.34	Sierrita
					2/27/15		442.88	Static	2789.57	Sierrita
					3/26/15		431.34	Static	2801.11	Sierrita
					4/21/15		431.27	Static	2801.18	Sierrita
					5/21/15		431.31	Static	2801.14	Sierrita
					6/2/15		431.28	Static	2801.17	Sierrita
					7/23/15		431.55	Static	2800.90	Sierrita
					8/25/15		431.70	Static	2800.75	Sierrita
					11/2/15		431.92	Static	2800.53	Sierrita
					1/7/16		432.06	Static	2800.39	Sierrita
					2/11/16		432.00	Static	2800.45	Sierrita
					3/11/16		431.97	Static	2800.48	Sierrita
					4/5/16		430.31	Static	2802.14	Sierrita
					12/8/16		431.40	Static	2801.05	Sierrita
					6/1/17		425.81	Static	2806.64	Sierrita
					11/14/17		425.58	Static	2806.87	Sierrita
					4/11/18		426.29	Static	2806.16	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MO-2007-1A	907342	3529331.233	500016.988	2964.66	7/30/07		425.87		2538.79	Sierrita
					10/9/07		428.32		2536.34	Sierrita
					1/24/08		426.32		2538.34	Sierrita
					4/9/08		424.72		2539.94	Sierrita
					7/14/08		428.42		2536.24	Sierrita
					10/17/08		431.02		2533.64	Sierrita
					1/16/09		428.90		2535.76	Sierrita
					4/1/09		426.86		2537.80	Sierrita
					7/1/09		426.90		2537.76	Sierrita
					10/22/09		434.05		2530.61	Sierrita
					4/16/10		428.89		2535.77	Sierrita
					10/13/10		434.09		2530.57	Sierrita
					5/5/11		429.31		2535.35	Sierrita
					10/6/11		433.60		2531.06	Sierrita
					6/12/12		431.38		2533.28	Sierrita
					10/24/12		435.12		2529.54	Sierrita
					4/8/13		429.69		2534.97	Sierrita
					10/23/13		435.06		2529.60	Sierrita
					3/12/14		435.92		2528.74	Sierrita
					4/29/14		437.74		2526.92	Sierrita
					5/8/14		437.72		2526.94	Sierrita
					6/9/14		440.59		2524.07	Sierrita
					7/28/14		443.83		2520.83	Sierrita
					8/7/14		444.58		2520.08	Sierrita
					9/8/14		445.78	Static	2518.88	Sierrita
					10/28/14		448.18		2516.48	Sierrita
					11/12/14		448.42		2516.24	Sierrita
					12/16/14		448.63	Static	2516.03	Sierrita
					1/29/15		448.74	Static	2515.92	Sierrita
					2/27/15		448.80	Static	2515.86	Sierrita
					3/12/15		448.48	Static	2516.18	Sierrita
					4/22/15		449.85	Static	2514.81	Sierrita
					5/21/15		450.06	Static	2514.60	Sierrita
					6/1/15		450.21	Static	2514.45	Sierrita
					7/23/15		454.05	Static	2510.61	Sierrita
					8/25/15		455.41	Static	2509.25	Sierrita
					10/20/15		456.84	Static	2507.82	Sierrita
					11/6/15		456.90	Static	2507.76	Sierrita
					1/7/16		456.62	Static	2508.04	Sierrita
					2/12/16		455.97	Static	2508.69	Sierrita
					3/7/16		455.84	Static	2508.82	Sierrita
					4/7/16		456.52	Static	2508.14	Sierrita
					10/5/16		463.11	Static	2501.55	Sierrita
					3/22/17		462.82	Static	2501.84	Sierrita
					6/6/17		467.81	Static	2496.85	Sierrita
					10/5/17		472.40	Static	2492.26	Sierrita
					4/12/18		473.25	Static	2491.41	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MO-2007-1B	907210	3529328.840	500021.700	2964.84	7/30/07		425.67		2539.17	Sierrita
					10/9/07		429.20		2535.64	Sierrita
					1/24/08		426.41		2538.43	Sierrita
					4/9/08		425.05		2539.79	Sierrita
					7/14/08		428.98		2535.86	Sierrita
					10/17/08		431.64		2533.20	Sierrita
					1/16/09		429.05		2535.79	Sierrita
					4/1/09		427.23		2537.61	Sierrita
					7/1/09		427.70		2537.14	Sierrita
					10/22/09		434.90		2529.94	Sierrita
					4/16/10		429.13		2535.71	Sierrita
					10/13/10		434.47		2530.37	Sierrita
					5/5/11		429.65		2535.19	Sierrita
					10/6/11		434.10		2530.74	Sierrita
					6/12/12		431.95		2532.89	Sierrita
					10/24/12		435.62		2529.22	Sierrita
					4/8/13		429.03		2535.81	Sierrita
					10/23/13		435.71		2529.13	Sierrita
					3/12/14		436.56		2528.28	Sierrita
					4/29/14		438.64		2526.20	Sierrita
					5/8/14		438.67		2526.17	Sierrita
					6/9/14		441.65		2523.19	Sierrita
					7/28/14		444.85		2519.99	Sierrita
					8/7/14		445.81		2519.03	Sierrita
					9/8/14		446.61	Static	2518.23	Sierrita
					10/28/14		448.92		2515.92	Sierrita
					11/12/14		449.05		2515.79	Sierrita
					12/16/14		449.19	Static	2515.65	Sierrita
					1/29/15		449.18	Static	2515.66	Sierrita
					2/27/15		449.19	Static	2515.65	Sierrita
					3/12/15		448.97	Static	2515.87	Sierrita
					4/22/15		450.52	Static	2514.32	Sierrita
					5/21/15		451.10	Static	2513.74	Sierrita
					6/1/15		451.56	Static	2513.28	Sierrita
					7/23/15		454.96	Static	2509.88	Sierrita
					8/25/15		456.16	Static	2508.68	Sierrita
					10/20/15		457.46	Static	2507.38	Sierrita
					11/6/15		457.51	Static	2507.33	Sierrita
					1/7/16		456.88	Static	2507.96	Sierrita
					2/12/16		456.39	Static	2508.45	Sierrita
					3/7/16		456.05	Static	2508.79	Sierrita
					4/7/16		457.18	Static	2507.66	Sierrita
					10/5/16		463.83	Static	2501.01	Sierrita
					3/22/17		463.35	Static	2501.49	Sierrita
					6/6/17		468.72	Static	2496.12	Sierrita
					10/5/17		472.50	Static	2492.34	Sierrita
					4/12/18		473.23	Static	2491.61	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MO-2007-1C	907209	3529328.777	500013.371	2968.58	7/30/07		423.87		2544.71	Sierrita
					10/9/07		427.02		2541.56	Sierrita
					1/24/08		424.00		2544.58	Sierrita
					4/9/08		423.30		2545.28	Sierrita
					7/14/08		426.73		2541.85	Sierrita
					10/21/08		429.49		2539.09	Sierrita
					1/16/09		426.75		2541.83	Sierrita
					4/1/09		424.90		2543.68	Sierrita
					7/1/09		428.81		2539.77	Sierrita
					10/22/09		427.60		2540.98	Sierrita
					4/16/10		426.93		2541.65	Sierrita
					10/13/10		431.88		2536.70	Sierrita
					4/20/11		427.32		2541.26	Sierrita
					10/6/11		431.80		2536.78	Sierrita
					6/12/12		429.40		2539.18	Sierrita
					10/24/12		433.08		2535.50	Sierrita
					4/8/13		426.50		2542.08	Sierrita
					10/23/13		433.06		2535.52	Sierrita
					3/12/14		434.69		2533.89	Sierrita
					4/29/14		437.08		2531.50	Sierrita
					5/8/14		436.98		2531.60	Sierrita
					6/9/14		440.40		2528.18	Sierrita
					7/28/14		443.49		2525.09	Sierrita
					8/7/14		444.30		2524.28	Sierrita
					9/8/14		445.02	Static	2523.56	Sierrita
					10/28/14		447.53		2521.05	Sierrita
					11/12/14		447.62		2520.96	Sierrita
					12/16/14		447.70	Static	2520.88	Sierrita
					1/29/15		447.80	Static	2520.78	Sierrita
					2/27/15		447.84	Static	2520.74	Sierrita
					3/12/15		447.72	Static	2520.86	Sierrita
					4/22/15		449.56	Static	2519.02	Sierrita
					5/21/15		450.74	Static	2517.84	Sierrita
					6/1/15		451.18	Static	2517.40	Sierrita
					7/23/15		454.01	Static	2514.57	Sierrita
					8/25/15		455.18	Static	2513.40	Sierrita
					10/20/15		456.30	Static	2512.28	Sierrita
					11/6/15		456.67	Static	2511.91	Sierrita
					1/7/16		455.64	Static	2512.94	Sierrita
					2/12/16		455.31	Static	2513.27	Sierrita
					3/7/16		455.12	Static	2513.46	Sierrita
					4/7/16		456.31	Static	2512.27	Sierrita
					10/5/16		463.00	Static	2505.58	Sierrita
					3/22/17		463.00	Static	2505.58	Sierrita
					6/6/17		468.71	Static	2499.87	Sierrita
					10/5/17		471.62	Static	2496.96	Sierrita
					4/12/18		472.73	Static	2495.85	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MO-2007-2	906765	3527621.127	497911.604	3150.87	8/9/07		575.30		2575.57	Sierrita
					10/9/07		576.60		2574.27	Sierrita
					1/22/08		577.22		2573.65	Sierrita
					4/17/08		576.65		2574.22	Sierrita
					7/14/08		577.35		2573.52	Sierrita
					10/17/08		578.54		2572.33	Sierrita
					1/15/09		579.10		2571.77	Sierrita
					4/1/09		578.38		2572.49	Sierrita
					4/13/10		580.50		2570.37	Sierrita
					4/27/11		581.41		2569.46	Sierrita
					5/2/12		581.75		2569.12	Sierrita
					4/8/13		582.45		2568.42	Sierrita
					3/12/14		592.12		2558.75	Sierrita
					4/9/14		591.93		2558.94	Sierrita
					5/8/14		590.86		2560.01	Sierrita
					6/9/14		600.45		2550.42	Sierrita
					7/28/14		604.52		2546.35	Sierrita
					8/7/14		605.29		2545.58	Sierrita
					9/8/14		607.39	Static	2543.48	Sierrita
					10/28/14		610.63		2540.24	Sierrita
					11/26/14		612.53		2538.34	Sierrita
					12/16/14		613.88	Static	2536.99	Sierrita
					1/29/15		615.76	Static	2535.11	Sierrita
					2/17/15		616.21	Static	2534.66	Sierrita
					3/12/15		617.30	Static	2533.57	Sierrita
					4/7/15		618.25	Static	2532.62	Sierrita
					5/21/15		619.83	Static	2531.04	Sierrita
					6/1/15		620.29	Static	2530.58	Sierrita
					7/22/15		621.75	Static	2529.12	Sierrita
					8/14/15		622.49	Static	2528.38	Sierrita
					11/18/15		625.66	Static	2525.21	Sierrita
					1/7/16		UTM		NA	Sierrita
					2/11/16		UTM		NA	Sierrita
					3/7/16		UTM		NA	Sierrita
					6/8/16		UTM		NA	Sierrita
					12/8/16		633.18	Static	2517.69	Sierrita
					4/20/17		638.15	Static	2512.72	Sierrita
					11/14/17		639.35	Static	2511.52	Sierrita
					4/19/18		644.01	Static	2506.86	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MO-2007-3B[4]	906816	3528508.810	500522.410	2909.12	9/10/07		359.38		2549.74	Sierrita
					10/9/07		359.55		2549.57	Sierrita
					1/21/08		357.13		2551.99	Sierrita
					4/16/08		357.10		2552.02	Sierrita
					7/14/08		358.71		2550.41	Sierrita
					10/22/08		361.77		2547.35	Sierrita
					1/19/09		358.95		2550.17	Sierrita
					4/1/09		357.70		2551.42	Sierrita
					7/27/09		361.21		2547.91	Sierrita
					10/22/09		365.50		2543.62	Sierrita
					3/11/10		359.36		2549.76	Sierrita
					4/14/10		360.30		2548.82	Sierrita
					7/21/10		362.20		2546.92	Sierrita
					10/26/10		364.82		2544.30	Sierrita
					1/18/11		361.99		2547.13	Sierrita
					5/4/11		361.59		2547.53	Sierrita
					7/6/11		363.80		2545.32	Sierrita
					11/22/11		365.10		2544.02	Sierrita
					1/11/12		363.36		2545.76	Sierrita
					5/8/12		362.09		2547.03	Sierrita
					8/7/12		363.87		2545.25	Sierrita
					1/8/13		362.33		2546.79	Sierrita
					4/9/13		360.13		2548.99	Sierrita
					5/21/13		359.84		2549.28	Sierrita
					8/27/13		365.16		2543.96	Sierrita
					10/24/13		366.19		2542.93	Sierrita
					1/7/14		364.11		2545.01	Sierrita
					3/12/14		368.18		2540.94	Sierrita
					4/16/14		369.34		2539.78	Sierrita
					5/14/14		369.35		2539.77	Sierrita
					6/23/14		369.35		2539.77	Sierrita
					7/1/14		375.64		2533.48	Sierrita
					7/8/14		375.64		2533.48	Sierrita
					8/8/14		377.48		2531.64	Sierrita
					9/9/14		378.82	Static	2530.30	Sierrita
					10/29/14		379.96		2529.16	Sierrita
					11/13/14		381.17		2527.95	Sierrita
					12/17/14		382.07	Static	2527.05	Sierrita
					1/21/15		382.22	Static	2526.90	Sierrita
					2/27/15		382.40	Static	2526.72	Sierrita
					3/26/15		382.99	Static	2526.13	Sierrita
					4/27/15		384.26	Static	2524.86	Sierrita
					5/21/15		385.07	Static	2524.05	Sierrita
					6/2/15		385.86	Static	2523.26	Sierrita
					7/7/15		388.29	Static	2520.83	Sierrita
					8/14/15		390.46	Static	2518.66	Sierrita
					10/21/15		390.68	Static	2518.44	Sierrita
					11/2/15		390.72	Static	2518.40	Sierrita
					1/4/16		391.00	Static	2518.12	Sierrita
					2/11/16		391.06	Static	2518.06	Sierrita
					3/11/16		391.15	Static	2517.97	Sierrita
					4/11/16		392.36	Static	2516.76	Sierrita
					7/6/16		395.89	Static	2513.23	Sierrita
					8/24/16		397.00	Static	2512.12	Sierrita
					10/5/16		398.28	Static	2510.84	Sierrita
					1/10/17		397.80	Static	2511.32	Sierrita
					5/3/17		400.61	Static	2508.51	Sierrita
					7/12/17		404.75	Static	2504.37	Sierrita
					10/9/17		408.01	Static	2501.11	Sierrita
					1/10/18		407.01	Static	2502.11	Sierrita
					4/17/18		410.14	Static	2498.98	Sierrita
					8/8/18		413.65	Static	2495.47	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MO-2007-3C	906817	3528508.800	500529.710	2908.87	7/5/07		356.30		2552.57	Sierrita
					10/10/07		359.85		2549.02	Sierrita
					1/21/08		356.74		2552.13	Sierrita
					4/15/08		357.18		2551.69	Sierrita
					7/14/08		359.84		2549.03	Sierrita
					10/21/08		361.99		2546.88	Sierrita
					1/19/09		359.61		2549.26	Sierrita
					4/1/09		358		2550.87	Sierrita
					7/22/09		362		2546.87	Sierrita
					10/22/09		362.80		2546.07	Sierrita
					3/11/10		359.62		2549.25	Sierrita
					4/14/10		360.45		2548.42	Sierrita
					7/21/10		367.50		2541.37	Sierrita
					10/26/10		365.13		2543.74	Sierrita
					1/18/11		361.62		2547.25	Sierrita
					5/4/11		361.61		2547.26	Sierrita
					7/6/11		363.75		2545.12	Sierrita
					10/5/11		365.50		2543.37	Sierrita
					1/11/12		363.36		2545.51	Sierrita
					5/7/12		362.35		2546.52	Sierrita
					8/7/12		364.49		2544.38	Sierrita
					10/10/12		366.50		2542.37	Sierrita
					1/8/13		362.59		2546.28	Sierrita
					4/9/13		360.45		2548.42	Sierrita
					8/27/13		365.47		2543.40	Sierrita
					10/24/13		366.79		2542.08	Sierrita
					1/7/14		364.19		2544.68	Sierrita
					3/12/14		368.09		2540.78	Sierrita
					4/16/14		369.60		2539.27	Sierrita
					5/14/14		369.63		2539.24	Sierrita
					6/23/14		369.65		2539.22	Sierrita
					7/1/14		376.55		2532.32	Sierrita
					7/9/14		376.55		2532.32	Sierrita
					8/8/14		377.79		2531.08	Sierrita
					9/9/14		379.28	Static	2529.59	Sierrita
					10/29/14		380.51		2528.36	Sierrita
					11/13/14		381.92		2526.95	Sierrita
					12/17/14		383.22	Static	2525.65	Sierrita
					1/21/15		381.99	Static	2526.88	Sierrita
					2/27/15		382.14	Static	2526.73	Sierrita
					3/26/15		383.42	Static	2525.45	Sierrita
					4/27/15		384.85	Static	2524.02	Sierrita
					5/21/15		385.50	Static	2523.37	Sierrita
					6/2/15		386.10	Static	2522.77	Sierrita
					7/7/15		389.01	Static	2519.86	Sierrita
					8/14/15		391.60	Static	2517.27	Sierrita
					10/21/15		391.47	Static	2517.40	Sierrita
					11/2/15		391.43	Static	2517.44	Sierrita
					1/4/16		391.32	Static	2517.55	Sierrita
					2/11/16		391.29	Static	2517.58	Sierrita
					3/11/16		391.35	Static	2517.52	Sierrita
					4/11/16		392.60	Static	2516.27	Sierrita
					7/6/16		396.00	Static	2512.87	Sierrita
					8/24/16		397.63	Static	2511.24	Sierrita
					10/5/16		398.89	Static	2509.98	Sierrita
					1/10/17		397.75	Static	2511.12	Sierrita
					5/3/17		401.03	Static	2507.84	Sierrita
					7/12/17		405.00	Static	2503.87	Sierrita
					10/9/17		408.00	Static	2500.87	Sierrita
					1/11/18		408.19	Static	2500.68	Sierrita
					4/17/18		409.84	Static	2499.03	Sierrita
					8/8/18		413.71	Static	2495.16	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MO-2007-4A	907213	3525634.956	500383.682	2923.63	10/9/07		307.67		2615.96	Sierrita
					1/22/08		303.85		2619.78	Sierrita
					4/16/08		305.46		2618.17	Sierrita
					7/17/08		308.05		2615.58	Sierrita
					10/22/08		309.65		2613.98	Sierrita
					1/19/09		306.28		2617.35	Sierrita
					4/2/09		306.69		2616.94	Sierrita
					7/1/09		307.92		2615.71	Sierrita
					10/26/09		309.10		2614.53	Sierrita
					1/26/10		308.52		2615.11	Sierrita
					4/14/10		308.53		2615.10	Sierrita
					7/21/10		311.05		2612.58	Sierrita
					10/13/10		312.00		2611.63	Sierrita
					1/19/11		308.82		2614.81	Sierrita
					5/4/11		309.68		2613.95	Sierrita
					7/6/11		311.75		2611.88	Sierrita
					10/5/11		312.50		2611.13	Sierrita
					1/17/12		310.05		2613.58	Sierrita
					5/7/12		310.42		2613.21	Sierrita
					8/13/12		313.30		2610.33	Sierrita
					10/23/12		314.17		2609.46	Sierrita
					2/21/13		311.70		2611.93	Sierrita
					4/10/13		312.68		2610.95	Sierrita
					7/10/13		316.31		2607.32	Sierrita
					10/22/13		318.07		2605.56	Sierrita
					1/10/14		316.34		2607.29	Sierrita
					3/12/14		319.78		2603.85	Sierrita
					4/8/14		321.40		2602.23	Sierrita
					5/6/14		321.36		2602.27	Sierrita
					6/23/14		321.33		2602.30	Sierrita
					7/8/14		329.06		2594.57	Sierrita
					8/8/14		331.16		2592.47	Sierrita
					9/9/14		332.77	Static	2590.86	Sierrita
					10/29/14		334.28		2589.35	Sierrita
					11/12/14		335.68		2587.95	Sierrita
					12/17/14		336.93	Static	2586.70	Sierrita
					1/14/15		337.62	Static	2586.01	Sierrita
					2/27/15		337.92	Static	2585.71	Sierrita
					3/26/15		339.75	Static	2583.88	Sierrita
					4/15/15		340.81	Static	2582.82	Sierrita
					5/21/15		340.96	Static	2582.67	Sierrita
					6/2/15		341.09	Static	2582.54	Sierrita
					7/8/15		345.02	Static	2578.61	Sierrita
					8/14/15		348.22	Static	2575.41	Sierrita
					10/22/15		349.01	Static	2574.62	Sierrita
					11/2/15		349.11	Static	2574.52	Sierrita
					1/4/16		349.81	Static	2573.82	Sierrita
					2/11/16		349.90	Static	2573.73	Sierrita
					3/8/16		349.95	Static	2573.68	Sierrita
					4/7/16		351.76	Static	2571.87	Sierrita
					7/5/16		355.00	Static	2568.63	Sierrita
					8/24/16		357.00	Static	2566.63	Sierrita
					10/25/16		359.05	Static	2564.58	Sierrita
					1/12/17		359.41	Static	2564.22	Sierrita
					5/3/17		361.97	Static	2561.66	Sierrita
					7/13/17		364.39	Static	2559.24	Sierrita
					10/10/17		366.11	Static	2557.52	Sierrita
					1/15/18		365.30	Static	2558.33	Sierrita
					4/16/18		366.83	Static	2556.80	Sierrita
					8/9/18		369.48	Static	2554.15	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MO-2007-4B	907212	3525613.952	500380.947	2923.57	10/11/07		308.72		2614.85	Sierrita
					1/7/08		304.22		2619.35	Sierrita
					4/16/08		306.48		2617.09	Sierrita
					7/18/08		308.95		2614.62	Sierrita
					10/22/08		310.77		2612.80	Sierrita
					1/21/09		306		2617.57	Sierrita
					4/2/09		306.72		2616.85	Sierrita
					7/1/09		309.1		2614.47	Sierrita
					10/26/09		313.00		2610.57	Sierrita
					1/26/10		308.29		2615.28	Sierrita
					4/14/10		308.79		2614.78	Sierrita
					7/21/10		311.22		2612.35	Sierrita
					10/13/10		312.39		2611.18	Sierrita
					1/19/11		308.84		2614.73	Sierrita
					5/4/11		310.40		2613.17	Sierrita
					7/6/11		312.85		2610.72	Sierrita
					10/5/11		313.50		2610.07	Sierrita
					1/17/12		309.81		2613.76	Sierrita
					5/7/12		311.47		2612.10	Sierrita
					8/13/12		314.42		2609.15	Sierrita
					10/23/12		315.28		2608.29	Sierrita
					2/21/13		311.79		2611.78	Sierrita
					4/10/13		313.17		2610.40	Sierrita
					7/10/13		317.96		2605.61	Sierrita
					10/22/13		319.56		2604.01	Sierrita
					1/10/14		316.92		2606.65	Sierrita
					3/12/14		322.35		2601.22	Sierrita
					4/8/14		324.09		2599.48	Sierrita
					5/6/14		324.03		2599.54	Sierrita
					6/23/14		324.00		2599.57	Sierrita
					7/8/14		333.65		2589.92	Sierrita
					8/8/14		335.20		2588.37	Sierrita
					9/9/14		336.99	Static	2586.58	Sierrita
					10/29/14		338.56		2585.01	Sierrita
					11/12/14		339.10		2584.47	Sierrita
					12/17/14		339.66	Static	2583.91	Sierrita
					1/14/15		340.55	Static	2583.02	Sierrita
					2/27/15		340.70	Static	2582.87	Sierrita
					3/26/15		343.16	Static	2580.41	Sierrita
					4/15/15		345.50	Static	2578.07	Sierrita
					5/21/15		346.89	Static	2576.68	Sierrita
					6/2/15		348.27	Static	2575.30	Sierrita
					7/8/15		348.40	Static	2575.17	Sierrita
					8/14/15		348.79	Static	2574.78	Sierrita
					10/22/15		351.65	Static	2571.92	Sierrita
					11/2/15		351.79	Static	2571.78	Sierrita
					1/4/16		351.66	Static	2571.91	Sierrita
					2/11/16		351.63	Static	2571.94	Sierrita
					3/8/16		351.59	Static	2571.98	Sierrita
					4/7/16		354.90	Static	2568.67	Sierrita
					7/5/16		357.28	Static	2566.29	Sierrita
					8/24/16		360.30	Static	2563.27	Sierrita
					10/25/16		362.00	Static	2561.57	Sierrita
					1/12/17		360.51	Static	2563.06	Sierrita
					5/3/17		364.61	Static	2558.96	Sierrita
					7/13/17		366.76	Static	2556.81	Sierrita
					10/10/17		371.87	Static	2551.70	Sierrita
					1/15/18		365.55	Static	2558.02	Sierrita
					4/16/18		367.90	Static	2555.67	Sierrita
					8/9/18		370.81	Static	2552.76	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MO-2007-4C	907211	3525624.484	500382.217	2923.66	8/12/07		307.13		2616.53	Sierrita
					10/12/07		308.78		2614.88	Sierrita
					1/22/08		304.90		2618.76	Sierrita
					4/16/08		306.75		2616.91	Sierrita
					7/18/08		309.10		2614.56	Sierrita
					10/22/08		311.41		2612.25	Sierrita
					1/21/09		306.80		2616.86	Sierrita
					4/2/09		311.49		2612.17	Sierrita
					7/1/09		311.68		2611.98	Sierrita
					10/26/09		311.30		2612.36	Sierrita
					1/26/10		309.53		2614.13	Sierrita
					4/14/10		309.58		2614.08	Sierrita
					7/21/10		312.75		2610.91	Sierrita
					10/13/10		313.49		2610.17	Sierrita
					1/19/11		309.94		2613.72	Sierrita
					5/4/11		311.53		2612.13	Sierrita
					7/6/11		314.05		2609.61	Sierrita
					10/5/11		314.80		2608.86	Sierrita
					1/12/12		311.00		2612.66	Sierrita
					5/7/12		312.37		2611.29	Sierrita
					8/13/12		315.55		2608.11	Sierrita
					10/23/12		316.47		2607.19	Sierrita
					2/21/13		312.89		2610.77	Sierrita
					4/10/13		314.14		2609.52	Sierrita
					7/10/13		318.94		2604.72	Sierrita
					10/22/13		320.63		2603.03	Sierrita
					1/10/14		318.02		2605.64	Sierrita
					3/12/14		323.88		2599.78	Sierrita
					4/8/14		325.83		2597.83	Sierrita
					5/6/14		325.81		2597.85	Sierrita
					6/23/14		325.84		2597.82	Sierrita
					7/8/14		335.70		2587.96	Sierrita
					8/8/14		336.88		2586.78	Sierrita
					9/9/14		338.81	Static	2584.85	Sierrita
					10/29/14		340.60		2583.06	Sierrita
					11/12/14		341.00		2582.66	Sierrita
					12/17/14		341.53	Static	2582.13	Sierrita
					1/14/15		342.40	Static	2581.26	Sierrita
					2/27/15		342.47	Static	2581.19	Sierrita
					3/26/15		344.92	Static	2578.74	Sierrita
					4/15/15		347.40	Static	2576.26	Sierrita
					5/21/15		349.11	Static	2574.55	Sierrita
					6/2/15		350.79	Static	2572.87	Sierrita
					7/8/15		350.81	Static	2572.85	Sierrita
					8/14/15		350.93	Static	2572.73	Sierrita
					10/22/15		353.38	Static	2570.28	Sierrita
					11/2/15		353.47	Static	2570.19	Sierrita
					1/4/16		353.36	Static	2570.30	Sierrita
					2/11/16		353.31	Static	2570.35	Sierrita
					3/8/16		353.28	Static	2570.38	Sierrita
					4/7/16		356.68	Static	2566.98	Sierrita
					7/5/16		359.00	Static	2564.66	Sierrita
					8/24/16		362.00	Static	2561.66	Sierrita
					10/25/16		363.81	Static	2559.85	Sierrita
					1/12/17		362.22	Static	2561.44	Sierrita
					5/3/17		366.20	Static	2557.46	Sierrita
					7/13/17		368.30	Static	2555.36	Sierrita
					10/10/17		369.79	Static	2553.87	Sierrita
					1/15/18		367.13	Static	2556.53	Sierrita
					4/16/18		369.39	Static	2554.27	Sierrita
					8/9/18		372.30	Static	2551.36	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MO-2007-5B	907456	3523743.376	500013.850	2944.35	10/12/07		268.27		2676.08	Sierrita
					1/7/08		262.09		2682.26	Sierrita
					4/17/08		266.22		2678.13	Sierrita
					7/24/08		268.61		2675.74	Sierrita
					10/23/08		272.16		2672.19	Sierrita
					1/21/09		265.83		2678.52	Sierrita
					4/2/09		269.20		2675.15	Sierrita
					1/25/10		268.30		2676.05	Sierrita
					4/27/10		268.02		2676.33	Sierrita
					12/10/10		272.31		2672.04	Sierrita
					6/24/11		275.70		2668.65	Sierrita
					11/21/11		273.28		2671.07	Sierrita
					6/20/12		277.46		2666.89	Sierrita
					11/6/12		280.33		2664.02	Sierrita
					6/12/13		288.32		2656.03	Sierrita
					10/24/13		287.84		2656.51	Sierrita
					3/12/14		287.24		2657.11	Sierrita
					4/29/14		294.80		2649.55	Sierrita
					5/14/14		294.78		2649.57	Sierrita
					6/23/14		294.76		2649.59	Sierrita
					7/28/14		299.29		2645.06	Sierrita
					8/7/14		301.38		2642.97	Sierrita
					9/8/14		302.31	Static	2642.04	Sierrita
					10/15/14		300.14		2644.21	Sierrita
					11/26/14		300.87		2643.48	Sierrita
					12/17/14		301.43	Static	2642.92	Sierrita
					1/29/15		301.89	Static	2642.46	Sierrita
					2/27/15		302.08	Static	2642.27	Sierrita
					3/18/15		303.65	Static	2640.70	Sierrita
					4/28/15		307.69	Static	2636.66	Sierrita
					5/21/15		309.80	Static	2634.55	Sierrita
					6/2/15		311.87	Static	2632.48	Sierrita
					7/24/15		311.80	Static	2632.55	Sierrita
					8/25/15		312.19	Static	2632.16	Sierrita
					11/4/15		312.41	Static	2631.94	Sierrita
					1/7/16		309.68	Static	2634.67	Sierrita
					2/12/16		308.51	Static	2635.84	Sierrita
					3/8/16		308.22	Static	2636.13	Sierrita
					4/12/16		310.08	Static	2634.27	Sierrita
					9/21/16		316.53	Static	2627.82	Sierrita
					10/26/16		315.69	Static	2628.66	Sierrita
					5/2/17		319.01	Static	2625.34	Sierrita
					7/12/17		322.88	Static	2621.47	Sierrita
					10/4/17		320.55	Static	2623.80	Sierrita
					4/18/18		315.95	Static	2628.40	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MO-2007-5C	907457	3523736.459	500014.152	2944.91	8/23/07		294.04		2650.87	Sierrita
					10/13/07		289.70		2655.21	Sierrita
					1/7/08		285.09		2659.82	Sierrita
					4/17/08		281.52		2663.39	Sierrita
					7/24/08		282.42		2662.49	Sierrita
					10/23/08		285.03		2659.88	Sierrita
					1/22/09		281.38		2663.53	Sierrita
					5/13/09		282.35		2662.56	Sierrita
					10/27/09		284.70		2660.21	Sierrita
					4/27/10		276.49		2668.42	Sierrita
					12/10/10		278.31		2666.60	Sierrita
					5/24/11		278.21		2666.70	Sierrita
					11/21/11		280.98		2663.93	Sierrita
					6/18/12		281.66		2663.25	Sierrita
					11/6/12		286.84		2658.07	Sierrita
					6/13/13		292.47		2652.44	Sierrita
					11/12/13		292.49		2652.42	Sierrita
					3/12/14		291.79		2653.12	Sierrita
					5/6/14		298.74		2646.17	Sierrita
					6/23/14		298.76		2646.15	Sierrita
					7/28/14		304.81		2640.10	Sierrita
					8/7/14		305.34		2639.57	Sierrita
					9/8/14		305.94	Static	2638.97	Sierrita
					10/15/14		305.76		2639.15	Sierrita
					11/26/14		305.90		2639.01	Sierrita
					12/17/14		306.05	Static	2638.86	Sierrita
					1/29/15		306.20	Static	2638.71	Sierrita
					2/27/15		306.28	Static	2638.63	Sierrita
					3/18/15		307.24	Static	2637.67	Sierrita
					4/28/15		311.45	Static	2633.46	Sierrita
					5/21/15		314.13	Static	2630.78	Sierrita
					6/2/15		316.83	Static	2628.08	Sierrita
					7/24/15		316.72	Static	2628.19	Sierrita
					8/25/15		316.75	Static	2628.16	Sierrita
					11/4/15		316.90	Static	2628.01	Sierrita
					1/7/16		314.72	Static	2630.19	Sierrita
					2/12/16		313.11	Static	2631.80	Sierrita
					3/8/16		312.89	Static	2632.02	Sierrita
					6/9/16		316.98	Static	2627.93	Sierrita
					9/21/16		322.60	Static	2622.31	Sierrita
					10/26/16		325.16	Static	2619.75	Sierrita
					5/2/17		325.36	Static	2619.55	Sierrita
					7/12/17		331.48	Static	2613.43	Sierrita
					10/4/17		329.00	Static	2615.91	Sierrita
					4/18/18		323.57	Static	2621.34	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MO-2007-6A	907607	3521842.050	498367.161	3043.37	10/2/07		303.60		2739.77	Sierrita
					1/22/08		303.27		2740.10	Sierrita
					4/18/08		304.02		2739.35	Sierrita
					7/24/08		305.81		2737.56	Sierrita
					10/23/08		307.85		2735.52	Sierrita
					1/22/09		305.87		2737.50	Sierrita
					4/2/09		304.87		2738.50	Sierrita
					7/22/09		307.15		2736.22	Sierrita
					10/26/09		307.00		2736.37	Sierrita
					3/11/10		306.15		2737.22	Sierrita
					4/21/10		306.44		2736.93	Sierrita
					8/10/10		309.12		2734.25	Sierrita
					10/26/10		308.95		2734.42	Sierrita
					1/18/11		307.78		2735.59	Sierrita
					5/5/11		308.13		2735.24	Sierrita
					7/7/11		309.90		2733.47	Sierrita
					10/6/11		311.10		2732.27	Sierrita
					1/11/12		311.24		2732.13	Sierrita
					6/12/12		314.95		2728.42	Sierrita
					8/13/12		317.93		2725.44	Sierrita
					10/18/12		316.94		2726.43	Sierrita
					1/8/13		321.98		2721.39	Sierrita
					4/9/13		323.05		2720.32	Sierrita
					7/10/13		326.23		2717.14	Sierrita
					10/22/13		329.74		2713.63	Sierrita
					1/6/14		329.94		2713.43	Sierrita
					3/12/14		329.85		2713.52	Sierrita
					4/9/14		330.14		2713.23	Sierrita
					5/14/14		330.12		2713.25	Sierrita
					6/23/14		330.08		2713.29	Sierrita
					7/8/14		331.19		2712.18	Sierrita
					8/7/14		331.41		2711.96	Sierrita
					9/8/14		331.78	Static	2711.59	Sierrita
					10/29/14		331.92		2711.45	Sierrita
					11/26/14		332.08		2711.29	Sierrita
					12/2/14		331.73	Static	2711.64	Sierrita
					1/8/15		332.23	Static	2711.14	Sierrita
					2/27/15		332.26	Static	2711.11	Sierrita
					3/18/15		331.64	Static	2711.73	Sierrita
					4/16/15		332.31	Static	2711.06	Sierrita
					5/21/15		332.86	Static	2710.51	Sierrita
					6/2/15		333.38	Static	2709.99	Sierrita
					7/2/15		335.11	Static	2708.26	Sierrita
					8/25/15		335.91	Static	2707.46	Sierrita
					10/19/15		336.37	Static	2707.00	Sierrita
					11/5/15		336.32	Static	2707.05	Sierrita
					1/18/16		335.74	Static	2707.63	Sierrita
					2/11/16		335.70	Static	2707.67	Sierrita
					3/8/16		335.80	Static	2707.57	Sierrita
					4/6/16		334.20	Static	2709.17	Sierrita
					7/5/16		332.08	Static	2711.29	Sierrita
					10/25/16		331.40	Static	2711.97	Sierrita
					1/11/17		329.40	Static	2713.97	Sierrita
					5/3/17		330.05	Static	2713.32	Sierrita
					7/13/17		332.15	Static	2711.22	Sierrita
					10/11/17		331.00	Static	2712.37	Sierrita
					1/11/18		328.20	Static	2715.17	Sierrita
					4/17/18		327.02	Static	2716.35	Sierrita
					8/13/18		329.32	Static	2714.05	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MO-2007-6B	907606	3521849.495	498367.887	3043.05	10/4/07		319.17		2723.88	Sierrita
					1/21/08		314.78		2728.27	Sierrita
					4/17/08		314.75		2728.30	Sierrita
					7/24/08		317.04		2726.01	Sierrita
					10/23/08		318.17		2724.88	Sierrita
					1/22/09		316.58		2726.47	Sierrita
					4/2/09		316.05		2727.00	Sierrita
					7/22/09		317.49		2725.56	Sierrita
					10/26/09		319.37		2723.68	Sierrita
					3/11/10		316.58		2726.47	Sierrita
					4/21/10		316.64		2726.41	Sierrita
					8/10/10		318.40		2724.65	Sierrita
					10/26/10		318.66		2724.39	Sierrita
					1/18/11		317.52		2725.53	Sierrita
					5/5/11		317.00		2726.05	Sierrita
					7/7/11		318.58		2724.47	Sierrita
					10/6/11		319.92		2723.13	Sierrita
					1/11/12		320.03		2723.02	Sierrita
					6/12/12		325.69		2717.36	Sierrita
					8/13/12		329.12		2713.93	Sierrita
					10/18/12		332.52		2710.53	Sierrita
					1/8/13		333.92		2709.13	Sierrita
					4/9/13		335.80		2707.25	Sierrita
					7/10/13		337.52		2705.53	Sierrita
					10/22/13		340.62		2702.43	Sierrita
					1/6/14		340.62		2702.43	Sierrita
					3/12/14		340.61		2702.44	Sierrita
					4/9/14		340.98		2702.07	Sierrita
					5/14/14		341.00		2702.05	Sierrita
					6/23/14		341.04		2702.01	Sierrita
					7/8/14		341.95		2701.10	Sierrita
					8/7/14		342.50		2700.55	Sierrita
					9/8/14		342.88	Static	2700.17	Sierrita
					10/29/14		342.96		2700.09	Sierrita
					11/26/14		343.11		2699.94	Sierrita
					12/2/14		345.25		2697.80	Sierrita
					1/8/15		346.10	Static	2696.95	Sierrita
					2/27/15		346.87	Static	2696.18	Sierrita
					3/18/15		346.11	Static	2696.94	Sierrita
					4/16/15		347.00	Static	2696.05	Sierrita
					5/21/15		347.39	Static	2695.66	Sierrita
					6/2/15		347.75	Static	2695.30	Sierrita
					7/2/15		350.24	Static	2692.81	Sierrita
					8/25/15		351.57	Static	2691.48	Sierrita
					10/19/15		351.41	Static	2691.64	Sierrita
					11/5/15		351.30	Static	2691.75	Sierrita
					1/18/16		351.95	Static	2691.10	Sierrita
					2/11/16		352.06	Static	2690.99	Sierrita
					3/8/16		352.13	Static	2690.92	Sierrita
					4/6/16		350.88	Static	2692.17	Sierrita
					7/5/16		346.62	Static	2696.43	Sierrita
					8/17/16		346.51	Static	2696.54	Sierrita
					10/25/16		346.80	Static	2696.25	Sierrita
					1/11/17		346.65	Static	2696.40	Sierrita
					5/3/17		348.16	Static	2694.89	Sierrita
					7/13/17		349.12	Static	2693.93	Sierrita
					10/10/17		345.85	Static	2697.20	Sierrita
					1/11/18		345.00	Static	2698.05	Sierrita
					4/17/18		343.29	Static	2699.76	Sierrita
					8/13/18		345.52	Static	2697.53	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MO-2009-1[4]	910458	3523370.784	500531.926	2890.78	6/2/09		226.35		2664.43	Sierrita
					7/29/09		222.46		2668.32	Sierrita
					11/3/09		225.90		2664.88	Sierrita
					1/25/10		212.26		2678.52	Sierrita
					4/20/10		219.94		2670.84	Sierrita
					8/10/10		227.88		2662.90	Sierrita
					12/15/10		215.16		2675.62	Sierrita
					2/2/11		214.99		2675.79	Sierrita
					6/16/11		226.45		2664.33	Sierrita
					8/31/11		223.97		2666.81	Sierrita
					12/1/11		219.96		2670.82	Sierrita
					1/11/12		222.55		2668.23	Sierrita
					5/9/12		225.63		2665.15	Sierrita
					8/15/12		234.23		2656.55	Sierrita
					11/29/12		229.30		2661.48	Sierrita
					1/8/13		229.63		2661.15	Sierrita
					4/10/13		233.98		2656.80	Sierrita
					7/11/13		238.53		2652.25	Sierrita
					10/16/13		237.57		2653.21	Sierrita
					1/6/14		236.58		2654.20	Sierrita
					3/12/14		237.34		2653.44	Sierrita
					4/24/14		248.16		2642.62	Sierrita
					5/6/14		248.19		2642.59	Sierrita
					6/23/14		248.22		2642.56	Sierrita
					7/8/14		252.36		2638.42	Sierrita
					8/7/14		254.35		2636.43	Sierrita
					9/8/14		256.45	Static	2634.33	Sierrita
					10/29/14		258.27		2632.51	Sierrita
					11/26/14		259.64		2631.14	Sierrita
					12/2/14		248.01		2642.77	Sierrita
					1/13/15		248.22	Static	2642.56	Sierrita
					2/27/15		250.14	Static	2640.64	Sierrita
					3/26/15		251.42	Static	2639.36	Sierrita
					4/15/15		262.15	Static	2628.63	Sierrita
					5/21/15		266.63	Static	2624.15	Sierrita
					6/2/15		269.42	Static	2621.36	Sierrita
					7/7/15		268.50	Static	2622.28	Sierrita
					8/14/15		268.44	Static	2622.34	Sierrita
					10/20/15		254.32	Static	2636.46	Sierrita
					11/2/15		253.14	Static	2637.64	Sierrita
					1/6/16		252.71	Static	2638.07	Sierrita
					2/11/16		252.67	Static	2638.11	Sierrita
					3/8/16		252.51	Static	2638.27	Sierrita
					4/12/16		251.75	Static	2639.03	Sierrita
					7/5/16		255.42	Static	2635.36	Sierrita
					10/26/16		259.08	Static	2631.70	Sierrita
					1/12/17		261.02	Static	2629.76	Sierrita
					5/4/17		266.01	Static	2624.77	Sierrita
					7/12/17		268.46	Static	2622.32	Sierrita
					10/4/17		262.92	Static	2627.86	Sierrita
					1/18/18		254.40	Static	2636.38	Sierrita
					4/18/18		256.78	Static	2634.00	Sierrita
					8/8/18		267.90	Static	2622.88	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
MW-2016-5A	919635	3529727.200	500430.090	2927.07	8/10/16		427.25	Static	2499.82	Clear Creek
					10/6/16		431.85	Static	2495.22	Sierrita
					1/11/17		425.00	Static	2502.07	Sierrita
					5/9/17		429.00	Static	2498.07	Sierrita
					7/11/17		433.49	Static	2493.58	Sierrita
					10/3/17		439.74	Static	2487.33	Sierrita
					1/10/18		434.47	Static	2492.60	Sierrita
					5/10/18		437.88	Static	2489.19	Sierrita
					8/13/18		442.62	Static	2484.45	Sierrita
MW-2016-5B	919472	3529722.72	500444.100	2925.46	8/4/16		425.50	Static	2499.96	Clear Creek
					10/6/16		427.01	Static	2498.45	Sierrita
					1/11/17		422.41	Static	2503.05	Sierrita
					5/9/17		426.96	Static	2498.50	Sierrita
					5/31/17		429.00	Static	2496.46	Sierrita
					7/11/17		431.99	Static	2493.47	Sierrita
					10/3/17		435.27	Static	2490.19	Sierrita
					1/10/18		432.07	Static	2493.39	Sierrita
					5/10/18		436.01	Static	2489.45	Sierrita
					8/13/18		440.74	Static	2484.72	Sierrita
MW-2016-6	919676	3529884.009	500056.237	2969.20	8/16/16		471.29	Static	2497.91	Clear Creek
					10/6/16		471.48	Static	2497.72	Sierrita
					1/11/17		467.79	Static	2501.41	Sierrita
					5/9/17		471.79	Static	2497.41	Sierrita
					7/10/17		476.35	Static	2492.85	Sierrita
					10/3/17		479.70	Static	2489.50	Sierrita
					1/10/18		477.48	Static	2491.72	Sierrita
					5/10/18		480.55	Static	2488.65	Sierrita
					8/13/18		485.14	Static	2484.06	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
NP-2[4]	605898	3528517.380	500582.460	2904.75	11/6/07		355.10		2549.65	Sierrita
					1/11/08		353.67		2551.08	Sierrita
					4/17/08		352.20		2552.55	Sierrita
					7/11/08		355.10		2549.65	Sierrita
					10/9/08		356.24		2548.51	Sierrita
					2/9/09		355.00		2549.75	Sierrita
					4/24/09		354.80		2549.95	Sierrita
					9/22/09		358.90		2545.85	Sierrita
					12/31/09		358.57		2546.18	Sierrita
					2/17/10		357.20		2547.55	Sierrita
					4/22/10		356.38		2548.37	Sierrita
					8/5/10		357.93		2546.82	Sierrita
					10/25/10		360.80		2543.95	Sierrita
					1/19/11		358.68		2546.07	Sierrita
					5/3/11		358.30		2546.45	Sierrita
					7/18/11		359.72		2545.03	Sierrita
					12/5/11		360.27		2544.48	Sierrita
					3/21/12		358.10		2546.65	Sierrita
					6/18/12		359.28		2545.47	Sierrita
					8/15/12		360.45		2544.30	Sierrita
					11/29/12		360.79		2543.96	Sierrita
					2/20/13		356.92		2547.83	Sierrita
					6/17/13		358.19		2546.56	Sierrita
					8/27/13		360.56		2544.19	Sierrita
					10/30/13		362.56		2542.19	Sierrita
					1/7/14		361.24		2543.51	Sierrita
					3/12/14		363.18		2541.57	Sierrita
					4/23/14		364.29		2540.46	Sierrita
					5/14/14		364.22		2540.53	Sierrita
					6/23/14		364.24		2540.51	Sierrita
					7/1/14		368.67		2536.08	Sierrita
					8/8/14		370.36		2534.39	Sierrita
					9/9/14		372.75	Static	2532.00	Sierrita
					10/13/14		374.58		2530.17	Sierrita
					11/26/14		375.76		2528.99	Sierrita
					12/17/14		376.89	Static	2527.86	Sierrita
					1/14/15		377.12	Static	2527.63	Sierrita
					2/27/15		377.25	Static	2527.50	Sierrita
					3/26/15		377.65	Static	2527.10	Sierrita
					4/28/15		UTM		NA	Sierrita
					5/21/15		UTM		NA	Sierrita
					6/2/15		UTM		NA	Sierrita
					7/23/15		UTM		NA	Sierrita
					8/25/15		UTM		NA	Sierrita
					11/2/15		UTM		NA	Sierrita
					1/14/16		UTM		NA	Sierrita
					2/11/16		UTM		NA	Sierrita
					3/11/16		UTM		NA	Sierrita
					6/8/16		UTM		NA	Sierrita
					8/23/16		392.03	Static	2512.72	Sierrita
					12/5/16		394.30	Static	2510.45	Sierrita
					1/16/17		393.62	Static	2511.13	Sierrita
					5/23/17		393.62	Static	2511.13	Sierrita
					8/8/17		399.79	Static	2504.96	Sierrita
					10/26/17		403.25	Static	2501.50	Sierrita
					4/4/18		404.42	Static	2500.33	Sierrita
					9/5/18		408.40	Static	2496.35	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
PS-1	220861	3529110.26	499164.17	3040.665	12/30/11	497.01		Static		BW, 2015a
					12/30/11	517.69		Dynamic		BW, 2015a
					3/13/14		Obstructed		NA	Sierrita
					5/8/14		516.79	Dynamic	2523.88	Sierrita
					5/15/14		516.79	Dynamic	2523.88	Sierrita
					5/15/14	516.79		Dynamic		BW, 2015a
					5/22/14		525.44	Dynamic	2515.23	Sierrita
					5/22/14	525.44		Dynamic		BW, 2015a
					5/30/14	525.44		Dynamic		BW, 2015a
					6/5/14		525.25	Dynamic	2515.42	Sierrita
					6/5/14	525.25		Dynamic		BW, 2015a
					7/6/14		527.00	Dynamic	2513.67	Sierrita
					7/6/14	526.79		Dynamic		BW, 2015a
					7/31/14		527.40	Dynamic	2513.27	Sierrita
					7/31/14	527.40		Dynamic		BW, 2015a
					8/27/14		527.40	Dynamic	2513.27	Sierrita
					8/27/14	527.40		Dynamic		BW, 2015a
					10/1/14		517.95	Static	2522.72	Sierrita
					10/1/14	517.74		Static		BW, 2015a
					11/4/14		531.19	Dynamic	2509.48	Sierrita
					11/4/14	530.98		Dynamic		BW, 2015a
					12/2/14		532.05	Dynamic	2508.62	Sierrita
					12/2/14	531.84		Dynamic		BW, 2015a
					1/4/15		532.50	Dynamic	2508.17	Sierrita
					2/4/15		533.20	Dynamic	2507.47	Sierrita
					3/3/15		533.60	Dynamic	2507.07	Sierrita
					4/9/15		534.15	Dynamic	2506.52	Sierrita
					5/2/15		534.95	Dynamic	2505.72	Sierrita
					6/9/15		536.00	Dynamic	2504.67	Sierrita
					7/6/15		537.05	Dynamic	2503.62	Sierrita
					8/18/15		538.65	Dynamic	2502.02	Sierrita
					10/7/15		540.50	Dynamic	2500.17	Sierrita
					11/4/15		540.98	Dynamic	2499.69	Sierrita
					12/9/15		541.40	Dynamic	2499.27	Sierrita
					1/12/16		UTM		NA	Sierrita
					2/11/16		541.90	Dynamic		BW
					3/4/16		542.22	Dynamic		BW
					4/8/16		542.50	Dynamic	2498.17	Sierrita
					10/5/16		547.81	Dynamic	2492.86	BW
					4/18/17		556.33	Dynamic	2484.34	Sierrita
					7/20/17		561.70	Dynamic	2478.97	BW
					10/25/17		565.04	Dynamic	2475.63	BW
					5/22/18		569.72	Dynamic	2470.95	BW
					9/25/18		574.12	Dynamic	2466.55	BW

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
PS-2	220862	3529357.16	499319.31	3027.365	6/5/12	486.97		Static		BW, 2015a
					6/5/12	509.07		Dynamic		BW, 2015a
					1/15/14		507.18	Dynamic	2520.18	Sierrita
					1/15/14	507.18		Dynamic		BW, 2015a
					1/22/14		494.54	Dynamic	2532.82	Sierrita
					1/28/14	507.91		Dynamic		BW, 2015a
					2/5/14	506.02		Dynamic		BW, 2015a
					3/13/14		510.78	Dynamic	2516.58	Sierrita
					5/8/14		514.76	Dynamic	2512.60	Sierrita
					5/30/14	514.76		Dynamic		BW, 2015a
					6/5/14		514.95	Dynamic	2512.41	Sierrita
					6/5/14	514.95		Dynamic		BW, 2015a
					7/6/14		516.80	Dynamic	2510.56	Sierrita
					7/6/14	516.59		Dynamic		BW, 2015a
					7/31/14		518.30	Dynamic	2509.06	Sierrita
					7/31/14	518.30		Dynamic		BW, 2015a
					8/27/14		519.40	Dynamic	2507.96	Sierrita
					8/27/14	519.40		Dynamic		BW, 2015a
					10/1/14		507.20	Static	2520.16	Sierrita
					10/1/14	506.99		Static		BW, 2015a
					11/4/14		523.35	Dynamic	2504.01	Sierrita
					11/4/14	523.14		Dynamic		BW, 2015a
					12/2/14		523.80	Dynamic	2503.56	Sierrita
					12/2/14	523.59		Dynamic		BW, 2015a
					1/4/15		524.60	Dynamic	2502.76	Sierrita
					2/4/15		524.50	Dynamic	2502.86	Sierrita
					3/3/15		524.70	Dynamic	2502.66	Sierrita
					4/9/15		525.20	Dynamic	2502.16	Sierrita
					5/2/15		526.10	Dynamic	2501.26	Sierrita
					6/9/15		527.00	Dynamic	2500.36	Sierrita
					7/6/15		528.20	Dynamic	2499.16	Sierrita
					8/18/15		529.80	Dynamic	2497.56	Sierrita
					10/7/15		531.75	Dynamic	2495.61	Sierrita
					11/4/15		531.95	Dynamic	2495.41	Sierrita
					12/9/15		532.15	Dynamic	2495.21	Sierrita
					1/12/16		531.25	Dynamic	2496.11	Sierrita
					2/11/16		532.30	Dynamic	2495.06	BW
					3/4/16		532.50	Dynamic	2494.86	BW
					4/8/16		532.70	Dynamic	2494.66	Sierrita
					10/5/16		538.80	Dynamic	2488.56	BW
					4/18/17		548.31	Dynamic	2479.05	Sierrita
					7/20/17		553.30	Dynamic	2474.06	BW
					10/25/17		556.60	Dynamic	2470.76	BW
					5/22/18		555.10	Dynamic	2472.26	BW
					9/25/18		558.45	Dynamic	2468.91	BW

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
PS-3	220863	3529350.24	499571.46	3006.290	5/14/12	466.60		Static		BW, 2015a
					5/14/12	490.30		Dynamic		BW, 2015a
					1/15/14		488.84	Dynamic	2517.45	Sierrita
					1/15/14	488.84		Dynamic		BW, 2015a
					1/22/14		488.23	Dynamic	2518.06	Sierrita
					1/22/14	488.23		Dynamic		BW, 2015a
					1/28/14	487.89		Dynamic		BW, 2015a
					2/5/14	490.26		Dynamic		BW, 2015a
					3/13/14		491.86	Dynamic	2514.43	Sierrita
					5/8/14		495.82	Dynamic	2510.47	Sierrita
					5/30/14	495.82		Dynamic		BW, 2015a
					6/5/14		495.90	Dynamic	2510.39	Sierrita
					6/5/14	495.90		Dynamic		BW, 2015a
					7/6/14		497.70	Dynamic	2508.59	Sierrita
					7/6/14	497.47		Dynamic		BW, 2015a
					7/31/14		498.90	Dynamic	2507.39	Sierrita
					7/31/14	498.90		Dynamic		BW, 2015a
					8/27/14		500.25	Dynamic	2506.04	Sierrita
					8/27/14	500.25		Dynamic		BW, 2015a
					10/1/14		486.45	Static	2519.84	Sierrita
					10/1/14	486.22		Static		BW, 2015a
					11/4/14		503.75	Dynamic	2502.54	Sierrita
					11/4/14	503.52		Dynamic		BW, 2015a
					12/2/14		504.20	Dynamic	2502.09	Sierrita
					12/2/14	503.97		Dynamic		BW, 2015a
					1/4/15		504.55	Dynamic	2501.74	Sierrita
					2/4/15		504.45	Dynamic	2501.84	Sierrita
					3/3/15		504.75	Dynamic	2501.54	Sierrita
					4/9/15		505.50	Dynamic	2500.79	Sierrita
					5/2/15		506.35	Dynamic	2499.94	Sierrita
					6/9/15		507.50	Dynamic	2498.79	Sierrita
					7/6/15		508.92	Dynamic	2497.37	Sierrita
					8/18/15		510.50	Dynamic	2495.79	Sierrita
					10/7/15		512.40	Dynamic	2493.89	Sierrita
					11/4/15		512.55	Dynamic	2493.74	Sierrita
					12/9/15		512.75	Dynamic	2493.54	Sierrita
					1/12/16		511.65	Dynamic	2494.64	Sierrita
					2/11/16		512.55	Dynamic	2493.74	BW
					3/4/16		512.97	Dynamic	2493.32	BW
					4/8/16		515.20	Dynamic	2491.09	Sierrita
					10/5/16		519.45	Dynamic	2486.84	BW
					4/18/17		533.49	Dynamic	2472.80	Sierrita
					7/20/17		538.05	Dynamic	2468.24	BW
					10/25/17		541.40	Dynamic	2464.89	BW
					5/22/18		516.82	Static	2489.47	BW
					9/25/18		546.05	Dynamic	2460.24	BW

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
PS-4	220864	3528837.60	499153.27	3045.74	7/6/12	497.85		Static		BW, 2015a
					7/6/12	508.95		Dynamic		BW, 2015a
					1/15/14		513.92	Dynamic	2531.82	Sierrita
					1/15/14	513.92		Dynamic		BW, 2015a
					1/22/14		514.38	Dynamic	2531.36	Sierrita
					1/22/14	514.38		Dynamic		BW, 2015a
					1/28/14	514.64		Dynamic		BW, 2015a
					2/5/14	515.45		Dynamic		BW, 2015a
					3/13/14		508.14	Dynamic	2537.60	Sierrita
					5/8/14		522.58	Dynamic	2523.16	Sierrita
					5/30/14	522.58		Dynamic		BW, 2015a
					6/5/14		523.05	Dynamic	2522.69	Sierrita
					6/5/14	523.05		Dynamic		BW, 2015a
					7/6/14		525.25	Dynamic	2520.49	Sierrita
					7/6/14	525.02		Dynamic		BW, 2015a
					7/31/14		526.30	Dynamic	2519.44	Sierrita
					7/31/14	526.30		Dynamic		BW, 2015a
					8/27/14		527.50	Dynamic	2518.24	Sierrita
					8/27/14	527.50		Dynamic		BW, 2015a
					10/1/14		520.05	Static	2525.69	Sierrita
					10/1/14	519.82		Static		BW, 2015a
					11/4/14		531.80	Dynamic	2513.94	Sierrita
					11/4/14	531.57		Dynamic		BW, 2015a
					12/2/14		532.60	Dynamic	2513.14	Sierrita
					12/2/14	532.37		Dynamic		BW, 2015a
					1/4/15		524.20	Dynamic	2521.54	Sierrita
					2/4/15		534.50	Dynamic	2511.24	Sierrita
					3/3/15		535.05	Dynamic	2510.69	Sierrita
					4/9/15		535.65	Dynamic	2510.09	Sierrita
					5/2/15		536.45	Dynamic	2509.29	Sierrita
					6/9/15		537.60	Dynamic	2508.14	Sierrita
					7/6/15		538.95	Dynamic	2506.79	Sierrita
					8/18/15		540.10	Dynamic	2505.64	Sierrita
					10/7/15		541.95	Dynamic	2503.79	Sierrita
					11/4/15		542.75	Dynamic	2502.99	Sierrita
					12/9/15		543.10	Dynamic	2502.64	Sierrita
					1/12/16		UTM		NA	Sierrita
					2/11/16		543.90	Dynamic	2501.84	BW
					3/4/16		544.50	Dynamic	2501.24	BW
					4/8/16		544.90	Dynamic	2500.84	Sierrita
					10/5/16		551.08	Dynamic	2494.66	BW
					4/18/17		543.05	Static	2502.69	Sierrita
					7/20/17		561.00	Dynamic	2484.74	BW
					10/25/17		563.80	Dynamic	2481.94	BW
					5/22/18		552.30	Static	2493.44	BW
					9/25/18		568.70	Dynamic	2477.04	BW
PZ-7	561870	3526357.485	492533.171	3549.17	11/16/06		139.55		3409.62	Sierrita
					1/12/07		139.50		3409.67	Sierrita
					4/9/07		139.65		3409.52	Sierrita
					7/24/07		139.76		3409.41	Sierrita
					10/16/07		139.49		3409.68	Sierrita
					1/7/08		139.25		3409.92	Sierrita
					4/28/08		139.59		3409.58	Sierrita
					7/11/08		139.71		3409.46	Sierrita
					10/14/08		139.73		3409.44	Sierrita
					2/9/09		139.79		3409.38	Sierrita
					4/6/09		139.80		3409.37	Sierrita
					4/23/10		140.22		3408.95	Sierrita
					5/18/11		140.62		3408.55	Sierrita
					6/6/12		136.67		3412.50	Sierrita
					6/10/13		136.91		3412.26	Sierrita
					4/8/14		135.75		3413.42	Sierrita
					4/21/15		136.49	Static	3412.68	Sierrita
					11/18/15		138.20	Static	3410.97	Sierrita
					4/26/16		138.28	Static	3410.89	Sierrita
					12/9/16		138.70	Static	3410.47	Sierrita
					5/9/17		138.81	Static	3410.36	Sierrita
					11/13/17		139.55	Static	3409.62	Sierrita
					5/2/18		139.86	Static	3409.31	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
PZ-8	561866	3524196.243	492972.681	3480.36	11/14/06		206.30		3274.06	Sierrita
					1/10/07		207.42		3272.94	Sierrita
					4/17/07		198.52		3281.84	Sierrita
					7/12/07		209.46		3270.90	Sierrita
					10/5/07		205.30		3275.06	Sierrita
					1/3/08		212.94		3267.42	Sierrita
					4/8/08		217.43		3262.93	Sierrita
					7/1/08		221.70		3258.66	Sierrita
					10/8/08		222.49		3257.87	Sierrita
					1/8/09		223.63		3256.73	Sierrita
					4/8/09		224.72		3255.64	Sierrita
					4/20/10		227.87		3252.49	Sierrita
					4/19/11		228.73		3251.63	Sierrita
					4/25/12		229.66		3250.70	Sierrita
					6/10/13		230.86		3249.50	Sierrita
					4/23/14		232.32		3248.04	Sierrita
					4/24/14		232.59		3247.77	Sierrita
					4/14/15		234.11	Static	3246.25	Sierrita
					11/18/15		235.22	Static	3245.14	Sierrita
					4/26/16		233.24	Static	3247.12	Sierrita
					12/9/16		234.38	Static	3245.98	Sierrita
					5/9/17		232.76	Static	3247.60	Sierrita
					11/14/17		233.42	Static	3246.94	Sierrita
					5/2/18		233.68	Static	3246.68	Sierrita
					5/3/18		233.75	Static	3246.61	Sierrita
S-1	623111	3519084.973	499736.647	2920	6/19/15		167.21	Static	2752.79	Sierrita
					11/18/15		169.40	Static	2750.60	Sierrita
					6/15/16		161.51	Static	2758.49	Sierrita
					12/2/16		172.66	Static	2747.34	Sierrita
					6/8/17		163.70	Static	2756.30	Sierrita
					11/16/17		157.50	Static	2762.50	Sierrita
ST-6 (POE-006)	608530	3531352.523	501247.709	2855.88	6/18/15		356.25	Static[2]	2499.63	Sierrita
					11/25/15		353.30	Static[2]	2502.58	Sierrita
					6/15/16		359.59	Static[2]	2496.29	Sierrita
					12/21/16		355.76	Static[2]	2500.12	Sierrita
					6/8/17		366.60	Static[2]	2489.28	Sierrita
					11/16/17		367.00	Static[2]	2488.88	Sierrita
					6/11/18		374.22	Static[2]	2481.66	Sierrita
TMM-1	616156	3529736.231	500018.323	2967.08	6/18/07		432.50		2534.58	Sierrita
					6/19/07		432.00		2535.08	Sierrita
					10/4/07		437.58		2529.50	Sierrita
					1/10/08		435.75		2531.33	Sierrita
					4/18/08		433.30		2533.78	Sierrita
					7/9/08		437.37		2529.71	Sierrita
					10/9/08		439.80		2527.28	Sierrita
					2/4/09		436.62		2530.46	Sierrita
					4/21/09		433.35		2533.73	Sierrita
					10/14/09		444.00		2523.08	Sierrita
					4/20/10		436.99		2530.09	Sierrita
					10/6/10		442.98		2524.10	Sierrita
					4/21/11		437.13		2529.95	Sierrita
					12/21/11		435.50		2531.58	Sierrita
					5/15/12		438.57		2528.51	Sierrita
					11/23/12		443.30		2523.78	Sierrita
					6/19/13		439.14		2527.94	Sierrita
					10/29/13		443.13		2523.95	Sierrita
					4/23/14		442.13		2524.95	Sierrita
					10/2/14		451.94	Static	2515.14	Sierrita
					4/28/15		UTM		NA	Sierrita
					12/2/15		UTM		NA	Sierrita
					6/8/16		UTM		NA	Sierrita
1225	634394	3530604.785	499665.900	2997.93	6/16/15		492.97	Static	2504.96	Sierrita
					11/17/15		496.96	Static	2500.97	Sierrita
					6/15/16		497.61	Static	2500.32	Sierrita
					12/9/16		499.36	Static	2498.57	Sierrita
					5/17/17		502.25	Static	2495.68	Sierrita
					11/13/17		510.35	Static	2487.58	Sierrita
					6/8/18		512.32	Static	2485.61	Sierrita

TABLE 4
Compilation of Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m)[1]	Universal Transverse Mercator, Easting (m)[1]	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
1350	NR	3528649.387	499296.433	3033.25	7/12/07		474.29		2558.96	Sierrita
					11/8/07		477.30		2555.95	Sierrita
					1/9/08		477.00		2556.25	Sierrita
					4/14/08		475.50		2557.75	Sierrita
					8/7/08		477.88		2555.37	Sierrita
					11/5/08		479.21		2554.04	Sierrita
					1/19/09		477.33		2555.92	Sierrita
					6/29/09		479.57		2553.68	Sierrita
					5/28/10		478.78		2554.47	Sierrita
					5/9/11		480.42		2552.83	Sierrita
					6/29/12		479.57		2553.68	Sierrita
					5/23/13		481.16		2552.09	Sierrita
					4/29/14		Obstructed		NA	Sierrita
					5/22/14		Obstructed		NA	Sierrita
					5/28/14		494.95		2538.30	Sierrita
					6/16/15		511.79	Static	2521.46	Sierrita
					11/17/15		517.00	Static	2516.25	Sierrita
					6/15/16		520.26	Static	2512.99	Sierrita
					12/9/16		522.40	Static	2510.85	Sierrita
					5/17/17		527.00	Static	2506.25	Sierrita
					11/13/17		534.80	Static	2498.45	Sierrita
					6/8/18		537.10	Static	2496.15	Sierrita
1759	634393	3531506.317	499666.694	2989.54	6/16/15		484.12	Static	2505.42	Sierrita
					11/17/15		487.52	Static	2502.02	Sierrita
					6/15/16		488.00	Static	2501.54	Sierrita
					12/9/16		490.26	Static	2499.28	Sierrita
					5/17/17		492.00	Static	2497.54	Sierrita
					11/9/17		506.50	Static	2483.04	Sierrita
					6/8/18		502.11	Static	2487.43	Sierrita
2125	514015	3529511.399	497813.090	3253.98	6/16/15		736.98	Static	2517.00	Sierrita
					11/17/15		741.29	Static	2512.69	Sierrita
					6/15/16		UTM		NA	Sierrita
					11/22/16		749.61	Static	2504.37	Sierrita
					6/20/17		752.58	Static	2501.40	Sierrita
					12/13/17		759.66	Static	2494.32	Sierrita
					6/7/18		759.90	Static	2494.08	Sierrita

Notes:

[1] Universal Transverse Mercator, Zone 12 North American Datum 1983 (NAD83)

[2] Well was not pumping, however there may be residual drawdown due to pumping history at the well

[3] Measuring point elevation updated based on Google Earth 2016 aerial photo and elevation data

[4] Anomalous data removed for NP-2 (6/7/07; 8/13/07), MO-2007-3B (10/10/12), and MO-2009-1 (8/27/13)

ADWR = Arizona Department of Water Resources

BW = BasinWells

Clear Creek = Clear Creek Associates, PLC

DRY = water level below depth of the screen

ft amsl = feet above mean sea level

ft bls = feet below land surface

ft bmp - feet below measuring point

GVDWID = Green Valley Domestic Water Improvement District

m = meters

ND = No elevation data

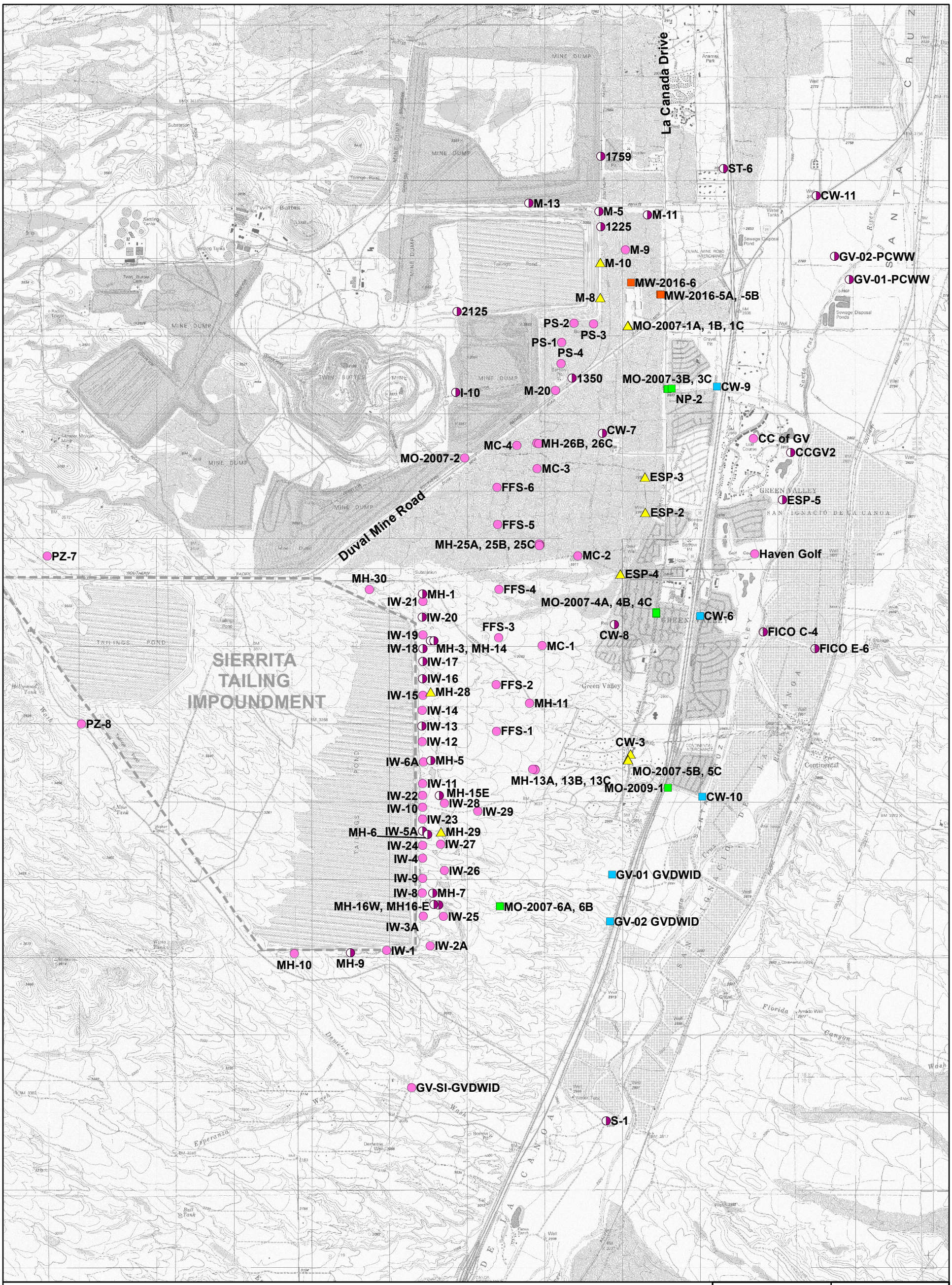
NA = Not applicable

NR = No Record

Sierrita = Freeport-McMoRan Sierrita, Inc.

UTM = Unable to measure; designation includes physical limitations, not desaturation

FIGURES



Legend

- Annual Sampling and Semi-Annual Water Levels (Second and Fourth Quarters)
- Semi-Annual Water Level Only (Second and Fourth Quarters)
- Semi-Annual Sampling (Second and Fourth Quarters)
- Quarterly Sampling - Sentinel Well
- Quarterly Sampling - Drinking Water Supply Well
- Quarterly Sampling - Monitor Well (During Baseline Monitoring through 2Q18)

Scale

0 2,000 4,000 8,000

Feet

Notes

Projection: UTM Zone 12N NAD83
mg/L = milligrams per liter

Date	File ID
7/17/18	055039-006L

CLEAR CREEK ASSOCIATES

FIGURE 1
Sampling Locations
and Frequency
for Post-Implementation
Groundwater Monitoring

M-9 3.10
M-10 154
MW-2016-6 61.2
MW-2016-5A 22.8/22.8
MW-2016-5B 41.9
M-8 102
250
PS-3 900
PS-2 999
PS-1 1230
PS-4 1250
M-20 824
MO-2007-1A, 1B, 1C
460-600 17.2/17.0
740-900 713
1020-1180 29.6
NP-2, MO-2007-3B, 3C
331-500 41.1
740-940 39.1
1160-1320 36.5
CW-9 49.8
MH-26B, 26C
620-730 1180
780-900 1080/1130
CC of GV 89.7
MO-2007-2 371
MC-4 1370
MC-3 1340
MH-25A, 25B, 25C
410-530 WIO
580-680 916
731-901, 951-1081 1060
DUVAL MINE RD
ESP-3 35.7
FFS-6 1310
ESP-2 30.4
FFS-5 WIO
MC-2 1000
Haven Golf 91.0
PZ-7 478
ESP-4 302/301
MH-30 1860
IW-21 1710
FFS-4 1350
CW-6 77.5
IW-19 1870
FFS-3 1530/1570
MH-14 1830
MC-1 1680
MO-2007-4A, 4B, 4C
360-560 35.3
669-939 18.6
1090-1130 48.8
MH-28 1970
IW-15 WIO
IW-14 WIO
FFS-2 1920
MH-11 1290
MH-13A, 13B, 13C
300-650 WIO
750-950 849
1050-1350 24.4
SIERRITA
TAILING
IMPOUNDMENT
PZ-8 642
FFS-1 1820
CW-3, MO-2007-5B, 5C
182-500 69.8/69.7
660-960 529
1050-1350 144
IW-12 WIO
IW-6A WIO
IW-11 1810
MH-15W 1830
MO-2009-1 103/101
IW-22 WIO
IW-28 1820
CW-10 44.4
IW-10 1960
IW-29 1760
IW-23 WIO
MH-29 1920
IW-24 WIO
IW-27 1830
500
IW-4 1870/1750
IW-26 1770
GV-01 GVDWID 26.4
IW-9 1810
IW-8 1950
1000
MH-16W 1860
IW-3A WIO
1500
IW-25 1440
GV-02 GVDWID 41.8
IW-2A WIO
MH-10 1480
IW-1 WIO
MO-2007-6A, 6B
310-390, 430-610 7.75
780-940 54.0
1500
1000
500
250
GV-SI-GVDWID 6.60/6.56

Legend

250 mg/L Sulfate Concentration Contour

IW-8 Well ID
1950 Sulfate Concentration (mg/L, Duplicate results separated by "/")
WIO Well Inoperable

Co-Located Wells
Screened Interval (ft bls): **Sulfate Concentration (mg/L)**

Well Symbols

- Extraction Well
- Monitor Well
- Sentinel Well
- Drinking Water Supply Well

Notes

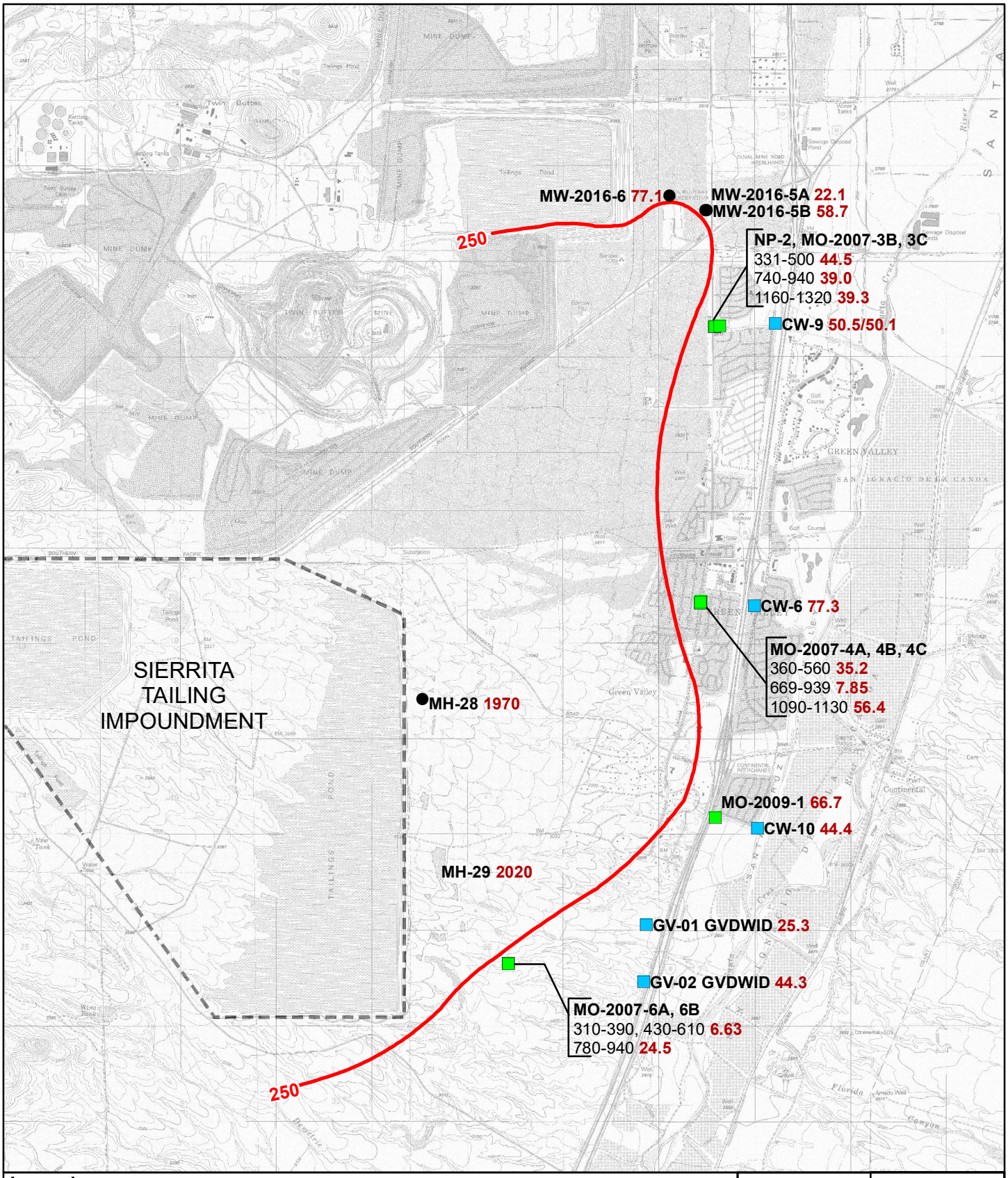
Projection: UTM Zone 12N NAD83
mg/L = milligrams per liter
ft bls = feet below land surface

0 2,000 4,000 8,000
Feet

Date: 10/9/18
File ID: 055039-246

CLEAR CREEK ASSOCIATES

FIGURE 2
Sulfate Concentrations in Groundwater, Second Quarter 2018



Legend

- Sulfate Concentration Contour
- **CW-6** Well ID
- **77.3** Sulfate Concentration (mg/L, Duplicate results separated by "/")
- Co-Located Wells
- Screened Interval (feet below land surface):
- **Sulfate Concentration (mg/L)**

Well Symbols

- Monitor Well
- Sentinel Well
- Drinking Water Supply Well

0 2,500 5,000
Feet

Notes

Projection: UTM Zone 12N NAD83
mg/L = milligrams per liter

CLEAR CREEK ASSOCIATES

File ID 055039-248
Date 9/10/18

FIGURE 3
Sulfate Concentrations in Groundwater
Third Quarter 2018

1759 2487.43
ST-6 2481.66
CW-11 2437.61
M-13 2489.29
M-5 2485.22
1225 2485.61
M-11 2486.91
M-9 2487.78
M-10 2489.48
GV-02-PCWW 2611.22
MW-2016-5A, 5B
498-739 2489.19
813-1101 2489.45
GV-01-PCWW 2613.05
MW-2016-6 2488.65
M-8 2488.54
MO-2007-1A, 1B, 1C
460-600 2491.41
740-900 2491.61
1020-1180 2495.85
2125 2494.08
PS-3 2489.47
PS-2 2472.26
PS-1 2470.95
NP-2, MO-2007-3B, 3C
331-500 2500.33
740-940 2498.98
1160-1320 2499.03
PS-4 2493.44
1350 2496.15
M-20 2497.47
CW-9 2505.21
MH-26A, 26B, 26C
418-538 DRY
620-730 2511.89
780-900 2509.43
I-10 UTM
CW-7 2502.35
MC-4 2492.24
MO-2007-2 2506.86
MC-3 2510.22
CCGV2 UTM
MH-25A, 25B, 25C
410-530 UTM
580-680 2536.01
731-901, 951-1081 2535.39
ESP-3 2518.10
FFS-6 UTM
ESP-5 2561.00
ESP-2 2532.12
FFS-5 2522.72
PZ-7 3409.31
MC-2 2534.56
FICO E-8 2584.59
ESP-4 2543.35
MH-30 2806.16
FFS-4 2866.82
IW-21 2745.57
MH-1 2717.77
FICO E-7 2590.07
IW-20 2735.41
CW-6 2557.40
CW-8 2553.80
FICO C-4 UTM
IW-19 2652.69
FFS-3 2537.00
MC-1 2545.47
FICO E-6 UTM
IW-18 2709.35
MH-14 2704.07
IW-17 2716.86
MH-3 2706.85
MO-2007-4A, 4B, 4C
360-560 2556.80
669-939 2555.67
1090-1130 2554.27
IW-16 2751.30
FFS-2 2576.66
IW-15 2753.52
MH-28 2728.79
MH-11 2602.50
IW-14 2757.32
PZ-8 3246.61
FFS-1 2625.20
FICO W-9 2624.35
CW-3, MO-2007-5B, 5C
182-500 2620.89
660-960 2628.40
1050-1350 2621.34
IW-13 2747.95
IW-12 2760.13
IW-6A 2730.76
MH-5 2715.97
MO-2009-1 2634.00
IW-11 2626.30
MH-15W, 15E 2721.25, 2711.88
CW-10 2628.93
IW-22 2739.05
IW-28 2686.01
IW-10 2739.94
IW-29 2650.40
MH-13A, 13B, 13C
300-650 2644.38
750-950 2637.73
1050-1350 2629.37
IW-23 2763.53
MH-6 2755.84
IW-5A 2711.87
MH-29 2734.63
IW-24 2766.39
IW-27 2687.93
IW-4 2764.96
IW-26 2683.43
GV-01 GVDWID UTM
IW-9 2561.34
IW-8 2699.49
MH-7 2732.93
MH-16W, 16E 2734.65, DRY
IW-3A 2743.15
IW-25 2678.76
GV-02 GVDWID UTM
IW-1 2780.14
IW-2A 2700.78
FICO E-9 2713.21
MH-10 2815.26
MH-9 2782.84
MO-2007-6A, 6B
310-390 2716.35
780-940 2699.76
GV-SI-GVDWID UTM
S-1 UTM
SIERRITA
TAILING
IMPOUNDMENT
2485
2490
2495
2500
2505
2510
2515
2520
2525
2530
2535
2540
2545
2550
2555
2560
2565
2570
2575
2580
2600
2620
2640
2660
2680
2700
2720
2740
2760
2780
2800
3000
3200
3400

Legend

- Groundwater Depression
- 5 ft Groundwater Elevation Contour (ft amsl)
- 20 ft Groundwater Elevation Contour (ft amsl)
- 200 ft Groundwater Elevation Contour (ft amsl)

CW-3 Well ID
2620.89 Groundwater Elevation (ft amsl)
UTM Unable to Measure; designation includes physical limitations, not desaturation
Co-Located Wells
Screened Interval (ft bls): **Groundwater Elevation (ft amsl)**

0 2,000 4,000 8,000
Feet

Well Symbols

- Wells with Static Water Levels
- Wells with Dynamic Water Levels

Notes

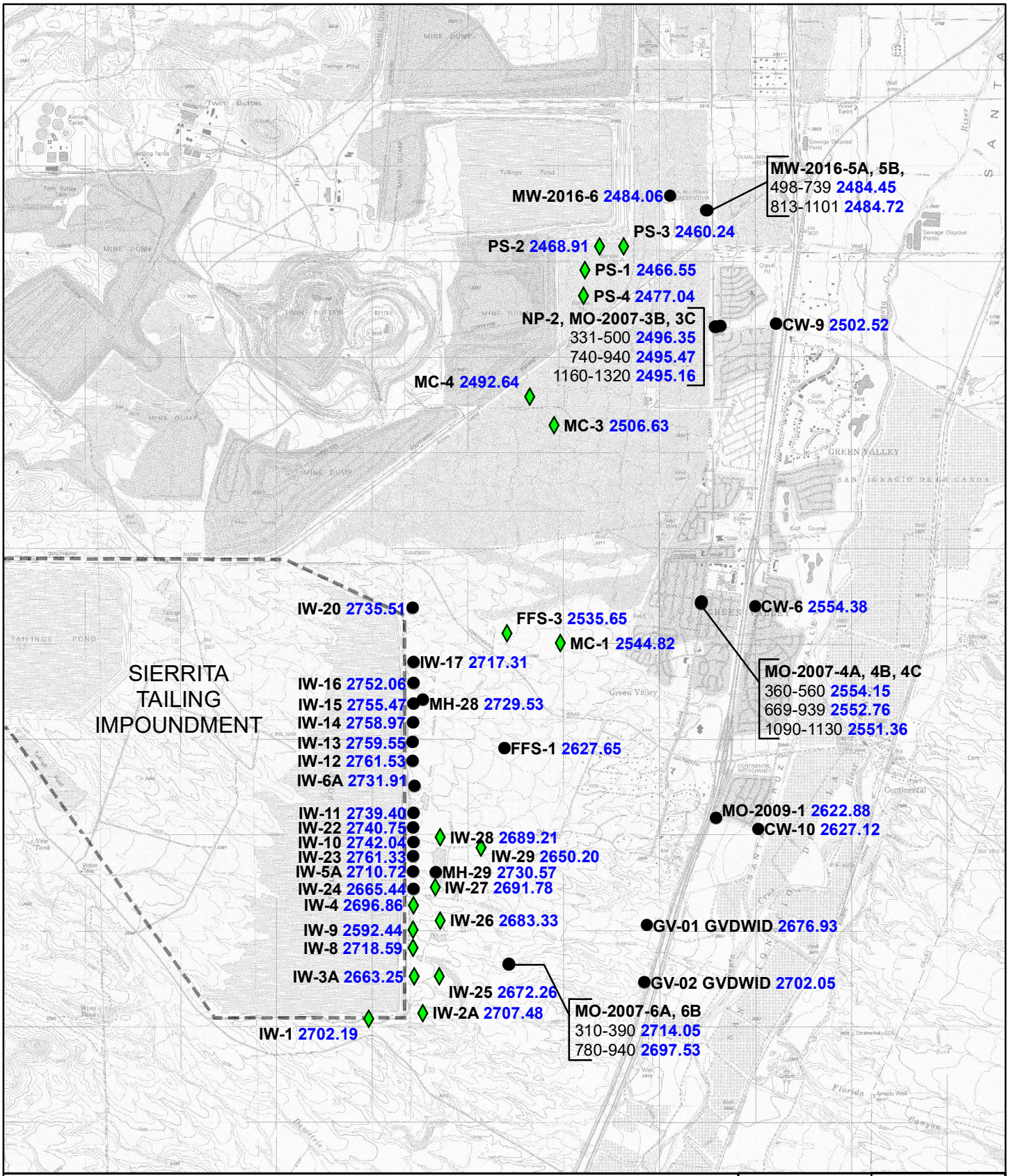
Projection: UTM Zone 12N NAD83
ft amsl = feet above mean sea level
ft bls = feet below land surface

CLEAR CREEK ASSOCIATES

File ID
055039-245

Date
7/17/18

FIGURE 4
Groundwater Elevations,
Second Quarter 2018



Legend

CW-9 Well ID
2502.52 Groundwater Elevation (ft amsl)

Co-Located Wells
Screened Interval (feet below land surface):
Groundwater Elevation (ft amsl)

Well Symbols

- Wells with Static Water Levels
- Wells with Dynamic Water Levels

0 2,500 5,000
Feet

Notes

Projection: UTM Zone 12N NAD83
ft amsl = feet above mean sea level

CLEAR CREEK ASSOCIATES

File ID 055039-247
Date 10/1/18

FIGURE 5
Groundwater Elevations
Third Quarter 2018

APPENDIX A

DATA VERIFICATION REPORT

APPENDIX A

DATA VERIFICATION REPORT

Prepared for:

FREEPORT-MCMORAN SIERRITA INC.
6200 West Duval Mine Road
Green Valley, Arizona 85614

Prepared by:

CLEAR CREEK ASSOCIATES, L.L.C.
221 North Court Avenue, Suite 101
Tucson, Arizona 85701

October 23, 2018

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1. INTRODUCTION

This report summarizes the data verification review of groundwater samples collected and analyzed during the second and third quarters 2018 by Freeport-McMoRan Sierrita Inc. (Sierrita) pursuant to the Mitigation Order on Consent Docket No. P-50-06. All analytical results for groundwater samples collected during this reporting period were provided to Sierrita by ACZ Laboratories, Inc. (ACZ). Sierrita provided the water quality data to Clear Creek Associates for preparation of the Semiannual Groundwater Monitoring Report.

Laboratory QA/QC data are evaluated according to the data quality indicators (DQIs) given in the Quality Assurance Project Plan (QAPP) (HGC, 2006). Appendix B of the main text of this report contains laboratory reports for samples collected by Sierrita, including Chain of Custody (COC) forms, laboratory correspondence, QC summaries, data qualifiers, and any case narratives. The analytical results for all samples collected are contained in reports with the ACZ project numbers in the following table.

The results of the internal QA/QC tests performed by ACZ are presented with the laboratory reports included in Appendix B. Based on the results of surrogate spike recoveries, matrix spike recovery, and matrix spike duplicate tests, ACZ did not advise any modifications to be made regarding the usability and data validation status of the laboratory test results.

ACZ Project ID	Wells Reported
Second Quarter 2018 Number of wells sampled: 75 Number of well samples collected (including duplicates and multiple samples from one well): 84 Number of duplicate samples collected: 9 Number of blanks collected: 8 Number of reanalyzed samples:1 Total number of analyses: 93	
L43558	NP-2
L43580	ESP-4, ESP-2, ESP-3, DUP20180405A, EQB20180405A, FB20180405A
L43727	MH-30, MO-2007-1C, MO-2007-1B, MO-2007-1A, DUP20180412A
L43728	MH-28, MH-14, MH-29, MH-15W, MH-16W
L43827	MO-2007-4C, MO-2007-4B, MO-2007-4A, MO-2007-3C, MO-2007-3B, MO-2007-6B, MO-2007-6A, MO-2007-5C, MO-2007-5B, MO-2009-1, MO-2007-2, DUP20180418A, FB20180418A, EQB20180418A
L43971	MH-10, IW-21, IW-19, IW-11, IW-28, IW-29, IW-10, IW-27, IW-4, IW-26, IW-9, IW-8, IW-25, FFS-2, PS-3, PS-2, PS-1, MC-1, FFS-3, DUP20180424A, DUP20180426A, EQB20180426A, FB20180426A
L44082	FFS-4, MC-4, MC-2, MH-25C, MH-25B, MH-11, PZ-7, PZ-8, MH-26C, MH-26B, DUP20180503A
L44253	MH-13C, MW-13B, M-10, M-8, M-9, MW-2016-06, MW-2016-05B, MW-2016-05A, FFS-1, DUP20180510A, EQB20180510A, FB20180510A
L44394	CCGV, HAVENGOLF, CW-10, CW-6, CW-9, GV-1, GV-2, SIWELL, DUP20180516A
L45124	M-20
L45216	CW-3, DUP20180626A
L45346	PS-4, FFS-6, MC-3
Third Quarter 2018 Number of wells sampled: 19 Number of well samples collected (including duplicates and multiple samples from one well): 20 Number of duplicate samples collected: 1 Number of blanks collected: 2 Number of reanalyzed samples: 0 Total number of analyses: 22	
L46163	CW-6, CW-10, CW-9, MO-2007-3C, MO-2007-3B, MO-2009-1, MO-2007-4C, MO-2007-4B, MO-2007-4A, DUP20180807A, EQB20180807A, FB20180807A
L46325	MO-2007-6B, MO-2007-6A, MW-2016-06, MW-2016-05B, MW-2016-05A, GV-1, GV-2
L46161	MH-29
L46164	MH-28
L46781	NP-2

2. SAMPLE HANDLING

This report does not review field sampling procedures for Sierrita. Sierrita collected samples following the methods in the *Quality Assurance/Quality Control (QA/QC) Plan for Water Monitoring, Phelps Dodge Sierrita, Inc.* (PDSI, 2005) in Appendix E of the Work Plan (Hydro Geo Chem, Inc. [HGC], 2006). Sample handling was reviewed based on sample integrity and preservation reported in the analytical reports. The reports indicate that sample bottles for second and third quarter 2018 samples were received intact and in good condition. The samples were received by the laboratory within the established holding time for dissolved sulfate analysis in accordance with United States Environmental Protection Agency (EPA) Method 300.0 and American Society for Testing and Materials International (ASTM International) Method D516-02/-07.

Samples were received at or below the proper holding temperature of 6 degrees Celsius for all samples except three samples on report L45346. The samples were measured at 8.2 degrees Celsius and melted ice was reported in the coolers according to the laboratory check-in information on the laboratory reports. The results for the samples on report L45346 were compared to historical data and found to be within normal ranges for each sample. Therefore the samples are included in this report with no further qualifications. No corrective action will be taken.

3. LABORATORY QUALITY CONTROL

As specified in the QAPP, laboratory QC was maintained for all analyses through proper licensure, the use of approved analytical methods, QC measurements, appropriate turnaround time for analysis (timeliness), method detection limits (MDLs), and practical quantitation limits (PQLs). Each of these controls is discussed in the following subsections.

The review of laboratory QC included a review to identify any qualified data and an assessment of their significance. Additionally, the laboratory QC summaries were reviewed to verify that results met QA criteria.

3.1 Licensure

ACZ is licensed with the Arizona Department of Health Services (license number AZ0102) and is accredited in accordance with the National Environmental Laboratory Accreditation Conference.

3.2 Analytical Methods

The following methods were used for sulfate analysis during this monitoring period:

- EPA 300.0 (Ion-Chromatography)

3.3 Method Detection Limits (MDLs) and Practical Quantification Limits (PQLs)

The MDLs and PQLs of the analytical methods used by ACZ are shown in the following table.

Method	MDL (mg/L)	PQL (mg/L)	Target MDL[1] (mg/L)
EPA 300.0	0.4-100	2-500	10

mg/L = milligrams per liter
[1] Target MDL from Table E.2 of QAPP

The MDL is the minimum amount of an analyte that can be consistently measured and reported with a high degree of confidence that the analyte concentration is above a background response (QAPP Section 4.3). The PQL is the amount of a constituent that can be consistently quantified

with acceptable precision and accuracy. The PQLs for an undiluted sample reported by ACZ is 2 mg/L Samples with higher range concentrations of sulfate required dilution, which increases the PQL. In all cases of a PQL greater than 10 mg/L sulfate, the laboratory analysis yielded a detected quantity. Thus, the detection sensitivity of the analyses is adequate to be consistent with the Target MDL.

3.4 Timeliness

The sample holding time is based on the analytical method utilized and was calculated beginning from the time of sample collection in the field. All samples were analyzed within the twenty-eight day holding time specified by each of the methods used for analysis except for MH-30 in analytical report L43727 and DUP20180424A in report L43971. Samples analyzed outside the holding time are qualified with an "H" flag. The two samples (MH-30 and DUP20180424A) were collected in the second quarter 2018. In both cases the initial analysis was completed within the hold time but the re-analysis was completed outside of the hold time. The re-analysis of MH-30 was outside the hold time due to a laboratory quality control failure during the initial analysis that required the laboratory to re-analyze the sample. The re-analysis of DUP20180426A was outside the hold time because the quality assurance review of the duplicate results relative to the original sample was not completed until after the 28-day hold time was over and re-analysis was requested outside the hold time. The result of the re-analysis of DUP20180424A is discussed in Section 3.5.5.

The sulfate results for the two samples analyzed outside hold times in the second quarter were compared to historical data and found to be within normal ranges for each sample. Therefore the samples are included in this report with no further qualifications. The hold time exceedances in the second quarter 2018 were due to laboratory issues and were not due to sample handling by Sierrita. No corrective action was taken.

3.5 Quality Control Measurements

The following laboratory QC samples were prepared and analyzed:

- Preparation blanks, calibration blanks, and calibration verification standards
- Analytical spikes and analytical spike duplicates
- Laboratory control samples
- Laboratory duplicate samples

3.5.1 Preparation Blanks, Calibration Blanks, and Calibration Verification Standards

Initial calibration blanks or preparation blanks were run with each group of samples submitted for sulfate analysis. Initial calibration blanks were prepared from analyte-free water and analyzed. Preparation blanks were prepared from analyte-free water and treated as routine samples. For dissolved analyses, there is no additional laboratory preparation for samples so the initial calibration blank and preparation blanks are used interchangeably. Analytical results of the initial calibration blanks and preparation blanks showed that the target analyte was not detected at the indicated MDL.

Initial calibration verification standards were analyzed prior to each group of samples. Analytical results for the initial calibration verification standards showed percent recoveries that were within the acceptance criteria specified by the laboratories and the QAPP.

3.5.2 Analytical Spikes and Analytical Spike Duplicates

Analytical spike and spike duplicate samples were analyzed 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. Spike recoveries for most analyses were between 90 and 110 percent. Instances in which analytical spike recoveries were high, low or unusable are qualified with an “M1”, “M2”, or “M3” flag, respectively. The “M2” qualifier was not used in a report. The “M1” flag was used in the L43827 report and the “M3” flag was used in the L43728 report. In both cases, the laboratory control sample recovery was checked to ensure that it was acceptable. The laboratory control sample was prepared by adding a sulfate spike to de-ionized water.

3.5.3 Laboratory Control Samples

Laboratory control samples (also reported as laboratory fortified blanks) were run for each group of samples submitted for sulfate analysis per the analytical method. Recoveries for all laboratory control samples were within the acceptance criteria specified by ACZ.

3.5.4 Laboratory Duplicate Samples

Analyses of laboratory duplicate samples were reviewed as part of this data verification report. Field duplicate samples are discussed in Section 4.1. The relative percent difference (RPD) for

all laboratory duplicate samples were within 20 percent, which is the tolerance range set by the laboratory. The RPD was not used for data validation if the sample concentration was less than ten times the method detection limit. In cases where the RPD was used for data validation based on laboratory standard operating procedure, the results met QA criteria and demonstrated appropriate levels of precision for laboratory analysis of these samples.

3.5.5 Sample Re-Analysis

One sample was submitted for re-analysis in the second quarter 2018 and no samples were submitted for re-analysis in the third quarter 2018. The re-analysis of DUP20180424A, the duplicate sample from IW-4, was conducted because the initial analytical result was <0.4 mg/L sulfate which is far lower than the historical concentration range for this mitigation extraction well. The re-analysis was conducted on the original existing sample aliquot using the same sample preparation and method for analysis. As discussed in Section 3.4 the second analysis was completed outside of the 28-day hold time for sulfate. The results of the re-analysis are in the table below.

Project No.	Well ID	Original Result (mg/L)	Re-Analysis (mg/L)
L43971	DUP20180424A	<0.4	1750

mg/L = milligrams per liter
RPD = Relative percent difference

The re-analysis results did not confirm the original result, but the result of the re-analysis was in line with historic results for IW-4. The re-analysis result is reported in the main text of the report.

4. DATA QUALITY INDICATORS

The QAPP provides DQIs for assessing the overall quality of the data. The DQIs include the following:

- Precision
- Bias
- Accuracy
- Representativeness
- Comparability
- Completeness
- Sensitivity

Each DQI is discussed below in relation to groundwater sampling and analysis conducted by Sierrita.

4.1 Precision

As discussed in Sections 3.5.2 and 3.5.4, there were no exceedances of RPD QA criteria based on laboratory standard operating procedures for any laboratory duplicates. During this monitoring period, ten field duplicate samples were collected by Sierrita for filtered sulfate analysis. Nine field duplicates were collected in the second quarter 2018 (DUP20180405A, DUP20180418A, DUP20180412A, DUP20180424A, DUP20180426A, DUP20180503A, DUP20180510A, DUP20180516A and DUP20180626A) and one field duplicate was collected in the third quarter 2018 (DUP20180807A). The collection of nine duplicate samples in the second quarter of 2018 exceeds the QAPP objective of one duplicate sample for every 20 groundwater samples collected. The collection of one field duplicate sample in the third quarter of 2018 meets the QAPP objective of collecting one duplicate sample for every 20 groundwater samples.

Results of the field duplicate samples are provided in the table below. The range of RPD values was 0.00 to 6.63 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.

ACZ Project No.	Well ID	Duplicate ID	Sample (mg/l)	Duplicate (mg/l)	RPD
L43558 and L43580	ESP-4	DUP20180405A	302	301	0.33%
L43827	MO-2009-1	DUP20180418A	103	101	1.96%
L43727	MO-2007-1A	DUP20180412A	17.2	17.0	1.17%
L43971	IW-4	DUP20180424A	1870	1750	6.63%
L43971	FFS-3	DUP20180426A	1530	1570	2.58%
L44082	MH-26C	DUP20180503A	1080	1130	4.52%
L44253	MW-2016-05A	DUP20180510A	22.8	22.8	0.00%
L44394	GV-SI-GVDWID	DUP20180516A	6.60	6.56	0.61%
L45216	CW-3	DUP20180626A	69.8	69.7	0.14%
L46163	CW-9	DUP20180807A	50.5	50.1	0.80%

mg/L = milligrams per liter
RPD = Relative Percent Difference

4.2 Bias

Bias is a systematic distortion of measurements causing consistent errors in one direction. Bias was managed in this dataset through consistent application of standardized sample collection and analysis procedures.

4.3 Accuracy

Accuracy is a measure of the agreement of a measurement to a known value and is determined using the recoveries from laboratory control samples. As discussed in Sections 3.5.1, 3.5.2, and 3.5.3 respectively, there were no significant exceedances of the recovery QA criteria for any of the calibration standards, analytical spikes, or laboratory control standards. Based on this information, the overall accuracy of the data is sufficient for the purpose of aquifer characterization.

4.4 Representativeness

All well samples were taken from locations specified in the updated Post-Implementation Groundwater Monitoring Plan recommended by Clear Creek Associates (2017) using sampling procedures specified in the QAPP. Therefore, the samples provide a good representation of

groundwater quality at the locations. The analytical data are representative of groundwater conditions because the analyses were conducted using standard procedures and methods that met QA/QC guidelines of the QAPP.

4.5 Comparability

All samples were collected using standardized procedures (PDSI, 2005) and were analyzed by ACZ using standardized methods. Insofar as standardized sample collection and analytical methods are adhered to, the sample results should be comparable.

4.6 Completeness

All samples collected by Sierrita were subsequently analyzed and reported by ACZ. All samples analyzed by ACZ satisfy the QA/QC criteria for this project and are usable for aquifer characterization. Thus, the completeness of analytical results is 100 percent.

4.7 Sensitivity

The analytical methods used to analyze the samples meet the MDL requirements specified in Table E.2 of the QAPP. Therefore, the analytical sensitivity is considered acceptable for use in aquifer characterization.

5. REFERENCES

Clear Creek Associates. 2017. Mitigation Performance Review for 2016, Mitigation Order on Consent Docket No, P-50-06. April 13, 2017.

Hydro Geo Chem, Inc. (HGC). 2006. Work Plan to Characterize and Mitigate Sulfate with Respect to Drinking Water Supplies in the Vicinity of the Phelps Dodge Sierrita Tailing Impoundment, Pima County, Arizona. August 11, 2006, revised October 31, 2006.

Phelps Dodge Sierrita, Inc. (PDSI). 2005. Quality Assurance/Quality Control Plan for Water Monitoring, Phelps Dodge Sierrita, Inc. June 2005.

APPENDIX B

ANALYTICAL DATA REPORTS

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

April 16, 2018

Report to:
Jeff Joy
FMI Gold & Copper - Sierrita
6200 W. Duval Mine Road
Green Valley, AZ 85614

cc: Ben Daigneau

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

Project ID: ZS0000079
ACZ Project ID: L43558

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on April 05, 2018. This project has been assigned to ACZ's project number, L43558. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L43558. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after May 16, 2018. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: NP-2

ACZ Sample ID: ***L43558-01***
Date Sampled: *04/04/18 12:30*
Date Received: *04/05/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lab Filtration (0.45um filter)	SOPWC050	1							04/11/18 11:27	oah
Sulfate	M300.0 - Ion Chromatography	1	41.1			mg/L	0.4	2	04/11/18 20:04	las

Arizona license number: AZ0102

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click: http://www.acz.com/public/extquallist.pdf

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L43558***

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG444787													
WG444787ICV	ICV	04/05/18 15:17	WI180330-1	50		49.9	mg/L	100	90	110			
WG444787ICB	ICB	04/05/18 15:34				U	mg/L		-0.4	0.4			
WG445180													
WG445180LFB	LFB	04/11/18 18:34	WI180228-5	30		29.9	mg/L	100	90	110			
L43506-01AS	AS	04/11/18 19:46	WI180228-5	3000	1720	4650	mg/L	98	90	110			
L43472-01DUP	DUP	04/13/18 12:58			130	130	mg/L				0	20	

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Extended Qualifier Report

FMI Gold & Copper - Sierrita ACZ Project ID: ***L43558***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION

No extended qualifiers associated with this analysis

Certification Qualifiers

FMI Gold & Copper - Sierrita ACZ Project ID: ***L43558***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L43558
Date Received: 04/05/2018 10:45
Received By:
Date Printed: 4/6/2018

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]			X
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
4611	0.8	<=6.0	16	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID:	L43558
Date Received:	04/05/2018 10:45
Received By:	
Date Printed:	4/6/2018

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

L43558

CHAIN of CUSTODY

Report to:

Name: Jeff_Joy	Address: 6200 W. Duval Mine Road
Company: Freeport-McMoRan Sierrita Inc.	Green Valley, AZ 85614
E-mail: jeff_joy@fmi.com	Telephone: 520-393-2269

Copy of Report to:

Name: Ben Daigneau	E-mail: bdaigneau@clearcreekassociates.com
Company: Clear Creek Associates	Telephone: 520-622-3222

Invoice to:

Name:	Address:
Company:	
E-mail:	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.	YES	
	NO	
Are samples for CO DW Compliance Monitoring? If yes, please include state forms. Results will be reported to PQL	YES	
	NO	X

PROJECT INFORMATION

Quote #:

Project/PO #: ZS0000079

Reporting state for compliance testing:

Sampler's Name: Jeff Joy

Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	SO4 by EPA 300 or EPA 375							
NP-2	4/4/18 : 1230	GW	1	X							

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Sulfates
Copy of report to Ben Daigneau contains only "SO4" results with QC Summary.
Please include copy of report to whart@fmi.com and bdorris@fmi.com
UPS Tracking # 1Z 867 7E4 23 1001 403 7

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Jeff Joy	4/4/18 : 1530	BCR	4/5/18 1045

FRMAD050.01.15.09 White - Return with sample. Yellow - Retain for your records.

L43558 Chain of Custody

ACZ Laboratories, Inc.
Steamboat Springs, CO 80487

(800) 334-5493

WF

Project Number: L 43558

Cooler Number	Cooler Tag
1	4611 10:45 04/05/18 Temp: 0.8 CBy: bce Rad: 16 uR Seal: Yes
2	
3	
4	
5	
6	
7	
8	
9	
10	

Sample Number	Associated Cooler
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

Log-In Order Verified:

Initials/Date:

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

April 19, 2018

Report to:
Jeff Joy
FMI Gold & Copper - Sierrita
6200 W. Duval Mine Road
Green Valley, AZ 85614

cc: Ben Daigneau

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

Project ID: ZS0000079
ACZ Project ID: L43580

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on April 06, 2018. This project has been assigned to ACZ's project number, L43580. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L43580. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after May 19, 2018. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: ESP-4

ACZ Sample ID: ***L43580-01***
Date Sampled: *04/05/18 09:30*
Date Received: *04/06/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	10	302			mg/L	4	20	04/16/18 21:28	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: ESP-2

ACZ Sample ID: ***L43580-02***
Date Sampled: *04/05/18 10:38*
Date Received: *04/06/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	30.4			mg/L	0.4	2	04/16/18 22:03	las

Arizona license number: AZ0102

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: ESP-3

ACZ Sample ID: ***L43580-03***
Date Sampled: *04/05/18 11:36*
Date Received: *04/06/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	35.7			mg/L	0.4	2	04/16/18 22:39	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: DUP20180405A

ACZ Sample ID: ***L43580-04***
Date Sampled: *04/05/18 00:00*
Date Received: *04/06/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	20	301			mg/L	8	40	04/16/18 22:57	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: EQB20180405A

ACZ Sample ID: ***L43580-05***
Date Sampled: *04/05/18 00:00*
Date Received: *04/06/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1		U		mg/L	0.4	2	04/16/18 23:15	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: FB20180405A

ACZ Sample ID: ***L43580-06***
Date Sampled: *04/05/18 00:00*
Date Received: *04/06/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1		U		mg/L	0.4	2	04/17/18 0:09	las

Arizona license number: AZ0102

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click: http://www.acz.com/public/extquallist.pdf

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L43580***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG444787													
WG444787ICV	ICV	04/05/18 15:17	WI180330-1	50		49.9	mg/L	100	90	110			
WG444787ICB	ICB	04/05/18 15:34				U	mg/L		-0.4	0.4			
WG445428													
WG445428LFB	LFB	04/16/18 20:52	WI180228-5	30		29.5	mg/L	98	90	110			
L43580-01DUP	DUP	04/16/18 21:45			302	302	mg/L				0	20	
L43580-02AS	AS	04/16/18 22:21	WI180228-5	30	30.4	60.2	mg/L	99	90	110			

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Inorganic Extended Qualifier Report

FMI Gold & Copper - Sierrita ACZ Project ID: ***L43580***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION

No extended qualifiers associated with this analysis

Certification Qualifiers

FMI Gold & Copper - Sierrita ACZ Project ID: ***L43580***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L43580
Date Received: 04/06/2018 08:49
Received By:
Date Printed: 4/12/2018

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]			X
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
5126	4.4	<=6.0	13	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID:	L43580
Date Received:	04/06/2018 08:49
Received By:	
Date Printed:	4/12/2018

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc. L43580

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: Jeff_Joy	Address: 6200 W. Duval Mine Road
Company: Freeport-McMoRan Sierrita Inc.	Green Valley, AZ 85614
E-mail: jeff_joy@fmi.com	Telephone: 520-393-2269

Copy of Report to:

Name: Ben Daigneau	E-mail: bdaigneau@clearcreekassociates.com
Company: Clear Creek Associates	Telephone: 520-622-3222

Invoice to:

Name:	Address:
Company:	
E-mail:	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES [ ] NO [ ]
If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES [ ] NO [X]
If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #:
Project/PO #: ZS0000079
Reporting state for compliance testing:
Sampler's Name: Jeff Joy
Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	SO4 by EPA 300 or EPA 375							
ESP-4	4/5/18 : 0930	GW	1	X							
ESP-2	4/5/18 : 1038	GW	1	X							
ESP-3	4/5/18 : 1136	GW	1	X							
DUP20180405A	4/5/18 : 0000	GW	1	X							
EQB20180405A	4/5/18 : 0000	GW	1	X							
FB20180405A	4/5/18 : 0000	GW	1	X							

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Sulfates
Copy of report to Ben Daigneau contains only "SO4" results with QC Summary.
Please include copy of report to whart@fmi.com and bdorris@fmi.com
UPS Tracking # 1Z 867 7E4 23 1001 396 7

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Jeff Joy	4/5/18 : 1530		4/6/18 8:49

FRMAD050.01.15.09 White - Return with sample. Yellow - Retain for your records.

L43580 Chain of Custody

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

May 18, 2018

Report to:
Jeff Joy
FMI Gold & Copper - Sierrita
6200 W. Duval Mine Road
Green Valley, AZ 85614

cc: Ben Daigneau

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

Project ID: ZS0000079
ACZ Project ID: L43727

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on April 13, 2018. This project has been assigned to ACZ's project number, L43727. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L43727. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after June 17, 2018. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

Sue Webber has reviewed and approved this report.

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-30

ACZ Sample ID: ***L43727-01***
Date Sampled: *04/11/18 13:51*
Date Received: *04/13/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	20	1860	H	*	mg/L	8	40	05/17/18 12:36	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MO-2007-1C

ACZ Sample ID: ***L43727-02***
Date Sampled: *04/12/18 11:43*
Date Received: *04/13/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	29.6		*	mg/L	0.4	2	04/25/18 19:25	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MO-2007-1B

ACZ Sample ID: ***L43727-03***
Date Sampled: *04/12/18 13:34*
Date Received: *04/13/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	10	713		*	mg/L	4	20	04/25/18 19:42	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MO-2007-1A

ACZ Sample ID: ***L43727-04***
Date Sampled: *04/12/18 14:10*
Date Received: *04/13/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	17.2		*	mg/L	0.4	2	04/25/18 20:00	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: DUP20180412A

ACZ Sample ID: ***L43727-05***
Date Sampled: *04/12/18 00:00*
Date Received: *04/13/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	17.0		*	mg/L	0.4	2	04/26/18 17:37	las

Arizona license number: AZ0102

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click: http://www.acz.com/public/extquallist.pdf

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L43727***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG444787													
WG444787ICV	ICV	04/05/18 15:17	WI180330-1	50		49.9	mg/L	100	90	110			
WG444787ICB	ICB	04/05/18 15:34				U	mg/L		-0.4	0.4			
WG445783													
WG445783LFB	LFB	04/25/18 16:08	WI180228-5	30		29.6	mg/L	99	90	110			
L43615-01DUP	DUP	04/25/18 16:43			1700	1710	mg/L				1	20	
L43655-01AS	AS	04/25/18 17:19	WI180228-5	30	36.7	65.9	mg/L	97	90	110			
WG447098													
WG447098LFB1	LFB	05/10/18 17:11	WI180430-12	30		30.1	mg/L	100	90	110			
L43827-08AS	AS	05/10/18 18:23	WI180430-12	300	144	441	mg/L	99	90	110			
WG447098LFB2	LFB	05/11/18 1:51	WI180430-12	30		30.1	mg/L	100	90	110			
WG447098LFB1	LFB	05/11/18 15:13	WI180430-12	30		29.5	mg/L	98	90	110			
WG447098LFB2	LFB	05/11/18 20:00	WI180430-12	30		29.5	mg/L	98	90	110			
WG447098ICV	ICV	05/14/18 18:59	WI180330-1	50		52	mg/L	104	90	110			
WG447098ICB	ICB	05/14/18 19:17				U	mg/L		-0.4	0.4			
L43727-01DUP	DUP	05/17/18 12:54			1860	1860	mg/L				0	20	

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Inorganic Extended Qualifier Report

FMI Gold & Copper - Sierrita ACZ Project ID: ***L43727***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L43727-01	WG447098	Sulfate	M300.0 - Ion Chromatography	B7	Target analyte detected in prep / method blank at or above acceptance limit. Sample value is > 10X the concentration in the method blank.
			M300.0 - Ion Chromatography	HC	Initial analysis within holding time. Reanalysis was past holding time, which was required due to a QC failure during the initial analysis.
L43727-02	WG445783	Sulfate	M300.0 - Ion Chromatography	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
L43727-03	WG445783	Sulfate	M300.0 - Ion Chromatography	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
L43727-04	WG445783	Sulfate	M300.0 - Ion Chromatography	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
L43727-05	WG445783	Sulfate	M300.0 - Ion Chromatography	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.

Certification Qualifiers

FMI Gold & Copper - Sierrita ACZ Project ID: ***L43727***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L43727
Date Received: 04/13/2018 08:38
Received By:
Date Printed: 4/16/2018

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]			X
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
5117	0.6	<=6.0	11	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

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Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L43727
Date Received: 04/13/2018 08:38
Received By:
Date Printed: 4/16/2018

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc. L43727

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CHAIN of CUSTODY

Report to:

Name: Jeff_Joy	Address: 6200 W. Duval Mine Road
Company: Freeport-McMoRan Sierrita Inc.	Green Valley, AZ 85614
E-mail: jeff_joy@fmi.com	Telephone: 520-393-2269

Copy of Report to:

Name: Ben Daigneau	E-mail: bdaigneau@clearcreekassociates.com
Company: Clear Creek Associates	Telephone: 520-622-3222

Invoice to:

Name:	Address:
Company:	
E-mail:	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES [ ] NO [ ]
If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES [ ] NO [X]
If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #:
Project/PO #: ZS0000079
Reporting state for compliance testing:
Sampler's Name: Jeff Joy
Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	SO4 by EPA 300 or EPA 375
MH-30	4/11/18 : 1351	GW	1	X
MO-2007-1C	4/12/18 : 1143	GW	1	X
MO-2007-1B	4/12/18 : 1334	GW	1	X
MO-2007-1A	4/12/18 : 1410	GW	1	X
DUP20180412A	4/12/18 : 0000	GW	1	X

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Sulfates
Copy of report to Ben Daigneau contains only "SO4" results with QC Summary.
Please include copy of report to whart@fmi.com and bdorris@fmi.com
UPS Tracking # 1Z 867 7E4 23 1001 402 8

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Jeff Joy	4/12/18 : 1530	JSC	4-13-18 08:38

L43727 Chain of Custody

FRMAD050.01.15.09 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
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Analytical Report

September 17, 2018

Report to:
Jeff Joy
FMI Gold & Copper - Sierrita
6200 W. Duval Mine Road
Green Valley, AZ 85614

CC: Ben Daigneau

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

Project ID: ZS0000079 - SULFATE ONLY
ACZ Project ID: L43728

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on April 13, 2018. This project has been assigned to ACZ's project number, L43728. Please reference this number in all future inquiries.

At the request of Phelps Dodge Sierrita, Inc. (PDSI), this laboratory report has been prepared to contain only information specific to samples and analytes identified by PDSI as evaluated pursuant to Mitigation Order No. P-500-06 with Arizona Department of Environmental Quality. Samples and analytes unrelated to the Mitigation Order, but which may be identified on the chain of custody and sample receipt, have been reported to PDSI in a separate report.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L43728. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after October 17, 2018. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

ACCREDITED IN ACCORDANCE WITH nelac
ACIL

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-27

ACZ Sample ID: ***L43728-01***
Date Sampled: *04/09/18 12:15*
Date Received: *04/13/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	1380		*	mg/L	50	250	04/18/18 11:10	jmm

Arizona license number: AZ0102

** Please refer to Qualifier Reports for details.*

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Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-20

ACZ Sample ID: ***L43728-02***
Date Sampled: *04/09/18 13:35*
Date Received: *04/13/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	20	616		*	mg/L	20	100	04/18/18 11:11	jmm

Arizona license number: AZ0102

** Please refer to Qualifier Reports for details.*

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Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-28

ACZ Sample ID: ***L43728-03***
Date Sampled: *04/10/18 08:31*
Date Received: *04/13/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	1970		*	mg/L	50	250	04/18/18 11:10	jmm

Arizona license number: AZ0102

** Please refer to Qualifier Reports for details.*

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Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-14

ACZ Sample ID: ***L43728-04***
Date Sampled: *04/10/18 12:40*
Date Received: *04/13/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	1830		*	mg/L	50	250	04/18/18 11:11	jmm

Arizona license number: AZ0102

** Please refer to Qualifier Reports for details.*

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Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-29

ACZ Sample ID: ***L43728-05***
Date Sampled: *04/10/18 13:45*
Date Received: *04/13/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	1920		*	mg/L	50	250	04/18/18 11:11	jmm

Arizona license number: AZ0102

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
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Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-15W

ACZ Sample ID: ***L43728-06***
Date Sampled: *04/11/18 10:50*
Date Received: *04/13/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	1830		*	mg/L	50	250	04/18/18 11:11	jmm

Arizona license number: AZ0102

** Please refer to Qualifier Reports for details.*

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Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-16W

ACZ Sample ID: ***L43728-07***
Date Sampled: *04/11/18 12:40*
Date Received: *04/13/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	1860		*	mg/L	50	250	04/18/18 11:13	jmm

Arizona license number: AZ0102

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
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Inorganic Reference

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click: http://www.acz.com/public/extquallist.pdf

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Inorganic QC Summary

FMI Gold & Copper - Sierrita ACZ Project ID: ***L43728***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Antimony, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG446193													
WG446193ICV	ICV	04/26/18 19:16	MS180423-2	.02		.02072	mg/L	104	90	110			
WG446193ICB	ICB	04/26/18 19:18				U	mg/L		-0.0012	0.0012			
WG446193LFB	LFB	04/26/18 19:21	MS180330-2	.01		.00865	mg/L	87	85	115			
L43638-02AS	AS	04/26/18 19:37	MS180330-2	.01	U	.00888	mg/L	89	70	130			
L43638-02ASD	ASD	04/26/18 19:40	MS180330-2	.01	U	.00944	mg/L	94	70	130	6	20	
L43728-07AS	AS	04/26/18 20:13	MS180330-2	.02	U	.01889	mg/L	94	70	130			
L43728-07ASD	ASD	04/26/18 20:16	MS180330-2	.02	U	.01925	mg/L	96	70	130	2	20	

Arsenic, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG446193													
WG446193ICV	ICV	04/26/18 19:16	MS180423-2	.05		.05069	mg/L	101	90	110			
WG446193ICB	ICB	04/26/18 19:18				U	mg/L		-0.0006	0.0006			
WG446193LFB	LFB	04/26/18 19:21	MS180330-2	.0501		.04482	mg/L	89	85	115			
L43638-02AS	AS	04/26/18 19:37	MS180330-2	.0501	.0081	.05551	mg/L	95	70	130			
L43638-02ASD	ASD	04/26/18 19:40	MS180330-2	.0501	.0081	.05592	mg/L	95	70	130	1	20	
L43728-07AS	AS	04/26/18 20:13	MS180330-2	.1002	U	.09966	mg/L	99	70	130			
L43728-07ASD	ASD	04/26/18 20:16	MS180330-2	.1002	U	.0994	mg/L	99	70	130	0	20	

Beryllium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG446390													
WG446390ICV	ICV	05/01/18 17:43	MS180423-2	.05		.0499	mg/L	100	90	110			
WG446390ICB	ICB	05/01/18 17:46				.000087	mg/L		-0.00015	0.00015			
WG446390LFB	LFB	05/01/18 17:49	MS180330-2	.05035		.04666	mg/L	93	85	115			
L43728-04AS	AS	05/01/18 18:05	MS180330-2	.1007	U	.09384	mg/L	93	70	130			
L43728-04ASD	ASD	05/01/18 18:08	MS180330-2	.1007	U	.09338	mg/L	93	70	130	0	20	

Cadmium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG446193													
WG446193ICV	ICV	04/26/18 19:16	MS180423-2	.05		.05266	mg/L	105	90	110			
WG446193ICB	ICB	04/26/18 19:18				U	mg/L		-0.0003	0.0003			
WG446193LFB	LFB	04/26/18 19:21	MS180330-2	.05005		.04606	mg/L	92	85	115			
L43638-02AS	AS	04/26/18 19:37	MS180330-2	.05005	U	.04548	mg/L	91	70	130			
L43638-02ASD	ASD	04/26/18 19:40	MS180330-2	.05005	U	.04579	mg/L	91	70	130	1	20	
L43728-07AS	AS	04/26/18 20:13	MS180330-2	.1001	U	.09264	mg/L	93	70	130			
L43728-07ASD	ASD	04/26/18 20:16	MS180330-2	.1001	U	.09104	mg/L	91	70	130	2	20	

Chromium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG446280													
WG446280ICV	ICV	05/01/18 11:51	II180424-2	2		2.012	mg/L	101	95	105			
WG446280ICB	ICB	05/01/18 11:57				U	mg/L		-0.03	0.03			
WG446280LFB	LFB	05/01/18 12:09	II180413-3	.5		.562	mg/L	112	85	115			
L43728-02AS	AS	05/01/18 12:21	II180413-3	.5	U	.559	mg/L	112	85	115			
L43728-02ASD	ASD	05/01/18 12:24	II180413-3	.5	U	.559	mg/L	112	85	115	0	20	

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Inorganic QC Summary

FMI Gold & Copper - Sierrita ACZ Project ID: ***L43728***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Cobalt, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG446280													
WG446280ICV	ICV	05/01/18 11:51	II180424-2	2.002		1.995	mg/L	100	95	105			
WG446280ICB	ICB	05/01/18 11:57				U	mg/L		-0.03	0.03			
WG446280LFB	LFB	05/01/18 12:09	II180413-3	.501		.569	mg/L	114	85	115			
L43728-02AS	AS	05/01/18 12:21	II180413-3	.501	U	.572	mg/L	114	85	115			
L43728-02ASD	ASD	05/01/18 12:24	II180413-3	.501	U	.573	mg/L	114	85	115	0	20	

Copper, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG446280													
WG446280ICV	ICV	05/01/18 11:51	II180424-2	2		2.051	mg/L	103	95	105			
WG446280ICB	ICB	05/01/18 11:57				U	mg/L		-0.03	0.03			
WG446280LFB	LFB	05/01/18 12:09	II180413-3	.4975		.568	mg/L	114	85	115			
L43728-02AS	AS	05/01/18 12:21	II180413-3	.4975	U	.58	mg/L	117	85	115			M1
L43728-02ASD	ASD	05/01/18 12:24	II180413-3	.4975	U	.584	mg/L	117	85	115	1	20	M1

Fluoride SM4500F-C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG445835													
WG445835ICV	ICV	04/22/18 12:35	WC180416-7	1.996		1.964	mg/L	98	95	105			
WG445835ICB	ICB	04/22/18 12:41				.055	mg/L		-0.15	0.15			
WG445835LFB1	LFB	04/22/18 12:50	WC171227-7	4.99		4.954	mg/L	99	90	110			
L43711-02AS	AS	04/22/18 14:23	WC171227-7	4.99	1.24	5.536	mg/L	86	90	110			M2
L43711-02DUP	DUP	04/22/18 14:31			1.24	1.296	mg/L				4	20	
WG445835LFB2	LFB	04/22/18 15:49	WC171227-7	4.99		4.976	mg/L	100	90	110			
L43728-03AS	AS	04/22/18 16:05	WC171227-7	4.99	.15	4.696	mg/L	91	90	110			
L43728-03DUP	DUP	04/22/18 16:13			.15	.199	mg/L				28	20	RA

Lead, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG446193													
WG446193ICV	ICV	04/26/18 19:16	MS180423-2	.05		.05438	mg/L	109	90	110			
WG446193ICB	ICB	04/26/18 19:18				U	mg/L		-0.0003	0.0003			
WG446193LFB	LFB	04/26/18 19:21	MS180330-2	.0496		.04707	mg/L	95	85	115			
L43638-02AS	AS	04/26/18 19:37	MS180330-2	.0496	U	.04625	mg/L	93	70	130			
L43638-02ASD	ASD	04/26/18 19:40	MS180330-2	.0496	U	.04564	mg/L	92	70	130	1	20	
L43728-07AS	AS	04/26/18 20:13	MS180330-2	.0992	U	.09794	mg/L	99	70	130			
L43728-07ASD	ASD	04/26/18 20:16	MS180330-2	.0992	U	.09544	mg/L	96	70	130	3	20	

Magnesium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG446280													
WG446280ICV	ICV	05/01/18 11:51	II180424-2	100		99.86	mg/L	100	95	105			
WG446280ICB	ICB	05/01/18 11:57				U	mg/L		-0.6	0.6			
WG446280LFB	LFB	05/01/18 12:09	II180413-3	49.96377		46.36	mg/L	93	85	115			
L43728-02AS	AS	05/01/18 12:21	II180413-3	49.96377	5.8	53.53	mg/L	96	85	115			
L43728-02ASD	ASD	05/01/18 12:24	II180413-3	49.96377	5.8	53.09	mg/L	95	85	115	1	20	

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic QC Summary

FMI Gold & Copper - Sierrita ACZ Project ID: ***L43728***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Molybdenum, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG446493													
WG446493ICV	ICV	05/02/18 13:58	II180424-2	2		2.051	mg/L	103	95	105			
WG446493ICB	ICB	05/02/18 14:04				U	mg/L		-0.06	0.06			
WG446493LFB	LFB	05/02/18 14:17	II180430-5	.5015		.534	mg/L	106	85	115			
L43728-02AS	AS	05/02/18 14:31	II180430-5	.5015	.03	.572	mg/L	108	85	115			
L43728-02ASD	ASD	05/02/18 14:34	II180430-5	.5015	.03	.574	mg/L	108	85	115	0	20	

Nickel, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG446193													
WG446193ICV	ICV	04/26/18 19:16	MS180423-2	.05		.0549	mg/L	110	90	110			
WG446193ICB	ICB	04/26/18 19:18				U	mg/L		-0.0018	0.0018			
WG446193LFB	LFB	04/26/18 19:21	MS180330-2	.0501		.04723	mg/L	94	85	115			
L43638-02AS	AS	04/26/18 19:37	MS180330-2	.0501	U	.04398	mg/L	88	70	130			
L43638-02ASD	ASD	04/26/18 19:40	MS180330-2	.0501	U	.04426	mg/L	88	70	130	1	20	
L43728-07AS	AS	04/26/18 20:13	MS180330-2	.1002	.005	.0926	mg/L	87	70	130			
L43728-07ASD	ASD	04/26/18 20:16	MS180330-2	.1002	.005	.0907	mg/L	86	70	130	2	20	

Nitrate/Nitrite as N M353.2 - H2SO4 preserved

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG445829													
WG445829LFB1	LFB	04/20/18 23:32	WI180103-12	2		2.021	mg/L	101	90	110			
L43725-04AS	AS	04/20/18 23:54	WI180103-12	2	.27	2.47	mg/L	110	90	110			
L43725-05DUP	DUP	04/20/18 23:57			.28	.278	mg/L				1	20	
WG445829LFB2	LFB	04/21/18 0:13	WI180103-12	2		2.022	mg/L	101	90	110			
L43728-07AS	AS	04/21/18 0:15	WI180103-12	2	.31	2.371	mg/L	103	90	110			
L43798-01DUP	DUP	04/21/18 0:18			.43	.429	mg/L				0	20	

Residue, Filterable (TDS) @180C SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG445366													
WG445366PBW	PBW	04/13/18 14:45				U	mg/L		-20	20			
WG445366LCSW	LCSW	04/13/18 14:46	PCN54741	260		276	mg/L	106	80	120			
L43728-07DUP	DUP	04/13/18 15:14			3210	3200	mg/L				0	10	

Selenium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG446193													
WG446193ICV	ICV	04/26/18 19:16	MS180423-2	.05		.05119	mg/L	102	90	110			
WG446193ICB	ICB	04/26/18 19:18				U	mg/L		-0.0003	0.0003			
WG446193LFB	LFB	04/26/18 19:21	MS180330-2	.05005		.04466	mg/L	89	85	115			
L43638-02AS	AS	04/26/18 19:37	MS180330-2	.05005	.0004	.04846	mg/L	96	70	130			
L43638-02ASD	ASD	04/26/18 19:40	MS180330-2	.05005	.0004	.04806	mg/L	95	70	130	1	20	
L43728-07AS	AS	04/26/18 20:13	MS180330-2	.1001	.0002	.10392	mg/L	104	70	130			
L43728-07ASD	ASD	04/26/18 20:16	MS180330-2	.1001	.0002	.10268	mg/L	102	70	130	1	20	

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic QC Summary

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L43728***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Sulfate D516-02/-07 - Turbidimetric

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG445602													
WG445602ICB	ICB	04/18/18 8:58				U	mg/L		-3	3			
WG445602ICV	ICV	04/18/18 8:58	WI180412-2	20		20.3	mg/L	102	90	110			
WG445602LFB	LFB	04/18/18 10:36	WI171212-5	10		9.9	mg/L	99	90	110			
L43728-06DUP	DUP	04/18/18 11:13			1830	1810	mg/L				1	20	
L43728-07AS	AS	04/18/18 11:14	SO4TURB50X	10	1860	1960	mg/L	1000	90	110			M3

Thallium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG446193													
WG446193ICV	ICV	04/26/18 19:16	MS180423-2	.05		.05389	mg/L	108	90	110			
WG446193ICB	ICB	04/26/18 19:18				U	mg/L		-0.0003	0.0003			
WG446193LFB	LFB	04/26/18 19:21	MS180330-2	.0501		.04657	mg/L	93	85	115			
L43638-02AS	AS	04/26/18 19:37	MS180330-2	.0501	U	.0462	mg/L	92	70	130			
L43638-02ASD	ASD	04/26/18 19:40	MS180330-2	.0501	U	.04534	mg/L	90	70	130	2	20	
L43728-07AS	AS	04/26/18 20:13	MS180330-2	.1002	U	.0971	mg/L	97	70	130			
L43728-07ASD	ASD	04/26/18 20:16	MS180330-2	.1002	U	.09622	mg/L	96	70	130	1	20	

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Extended Qualifier Report

FMI Gold & Copper - Sierrita ACZ Project ID: ***L43728***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L43728-01	WG446280	Chromium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Copper, dissolved	M200.7 ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445835	Fluoride	SM4500F-C	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG446280	Magnesium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445602	Sulfate	D516-02/-07 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07 - Turbidimetric	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
L43728-02	WG446280	Chromium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Cobalt, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Copper, dissolved	M200.7 ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445835	Fluoride	SM4500F-C	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG446280	Magnesium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445602	Sulfate	D516-02/-07 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07 - Turbidimetric	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
L43728-03	WG446280	Chromium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Cobalt, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Copper, dissolved	M200.7 ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445835	Fluoride	SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG446280	Magnesium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445602	Sulfate	D516-02/-07 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07 - Turbidimetric	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Extended Qualifier Report

FMI Gold & Copper - Sierrita ACZ Project ID: ***L43728***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L43728-04	WG446280	Chromium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Cobalt, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Copper, dissolved	M200.7 ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445835	Fluoride	SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG446280	Magnesium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445602	Sulfate	D516-02/-07 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07 - Turbidimetric	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
L43728-05	WG446280	Chromium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Cobalt, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Copper, dissolved	M200.7 ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445835	Fluoride	SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG446280	Magnesium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445602	Sulfate	D516-02/-07 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07 - Turbidimetric	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
L43728-06	WG446280	Chromium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Cobalt, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Copper, dissolved	M200.7 ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445835	Fluoride	SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG446280	Magnesium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445602	Sulfate	D516-02/-07 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07 - Turbidimetric	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Extended Qualifier Report

FMI Gold & Copper - Sierrita ACZ Project ID: ***L43728***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L43728-07	WG446280	Chromium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Cobalt, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Copper, dissolved	M200.7 ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445835	Fluoride	SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG446280	Magnesium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445602	Sulfate	D516-02/-07 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07 - Turbidimetric	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Certification Qualifiers

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L43728***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L43728
Date Received: 04/13/2018 08:38
Received By:
Date Printed: 4/16/2018

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?		X	

L43728-05 Container B1969844 (RAW): The ID on the sample label is MH-28, and on the COC the ID is MH-29. The sample ID was entered per the COC.

L43728-05 Container B1969845 (WHITE): The ID on the sample label is MH-28, and on the COC the ID is MH-29. The sample ID was entered per the COC.

L43728-05 Container B1969846 (GREEN PC): The ID on the sample label is MH-28, and on the COC the ID is MH-29. The sample ID was entered per the COC.

L43728-05 Container B1969847 (YELLOW): The ID on the sample label is MH-28, and on the COC the ID is MH-29. The sample ID was entered per the COC.

	YES	NO	NA
11) For preserved bottle types, was the pH checked and within limits? [1]	X		
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L43728
Date Received: 04/13/2018 08:38
Received By:
Date Printed: 4/16/2018

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
5117	0.6	<=6.0	11	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc. L43728

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: Jeff Joy	Address: 6200 W. Duval Mine Road
Company: Freeport-McMoRan Sierrita	Green Valley, AZ 85614
E-mail: jeff_joy@fmi.com	Telephone: 520-393-2269

Copy of Report to:

Name: Bill Hart & Billy Dorris	E-mail: whart@fmi.com & bdorris@fmi.com
Company:	Telephone:

Invoice to:

Name:	Address:
Company:	
E-mail:	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES [ ] NO [ ]
If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES [ ] NO [x]
If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #:
Project/PO #: ZS0000079
Reporting state for compliance testing:
Sampler's Name: Jeff Joy
Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	Quarterly							
MH-27	4/9/18 : 1215	GW	4	x							
MH-20	4/9/18 : 1335	GW	4	x							
MH-28	4/10/18 : 0831	GW	4	x							
MH-14	4/10/18 : 1240	GW	4	x							
MH-29	4/10/18 : 1345	GW	4	x							
MH-15W	4/11/18 : 1050	GW	4	x							
MH-16W	4/11/18 : 1240	GW	4	x							

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

UPS Tracking # 1Z 867 7E4 23 1001 402 8
Please include copy of report to whart@fmi.com and bdorris@fmi.com
Copy of report to Ben Daigneau contains only "SO4" results with QC Summary for wells MH-14, MH-28, MH-29, MH-15W and MH-16W

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Jeff Joy	4/12/18 : 1530		4.13.18 08:38

FRMAD050.01.15.09 White - Return with sample. Yellow - Retain for your records.

L43728 Chain of Custody

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

May 18, 2018

Report to:
Jeff Joy
FMI Gold & Copper - Sierrita
6200 W. Duval Mine Road
Green Valley, AZ 85614

cc: Ben Daigneau

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

Project ID: ZS0000079
ACZ Project ID: L43827

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on April 20, 2018. This project has been assigned to ACZ's project number, L43827. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L43827. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after June 17, 2018. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

Sue Webber has reviewed and approved this report.

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MO-2007-4C

ACZ Sample ID: ***L43827-01***
Date Sampled: *04/16/18 10:49*
Date Received: *04/20/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	48.8		*	mg/L	0.4	2	05/01/18 3:18	krh/las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MO-2007-4B

ACZ Sample ID: ***L43827-02***
Date Sampled: *04/16/18 12:39*
Date Received: *04/20/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	18.6			mg/L	0.4	2	05/01/18 3:38	krh/las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MO-2007-4A

ACZ Sample ID: ***L43827-03***
Date Sampled: *04/16/18 13:18*
Date Received: *04/20/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	35.3			mg/L	0.4	2	05/01/18 3:56	krh/las

Arizona license number: AZ0102

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MO-2007-3C

ACZ Sample ID: ***L43827-04***
Date Sampled: *04/17/18 09:41*
Date Received: *04/20/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	36.5			mg/L	0.4	2	05/01/18 4:17	krh/las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MO-2007-3B

ACZ Sample ID: ***L43827-05***
Date Sampled: *04/17/18 11:27*
Date Received: *04/20/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	39.1			mg/L	0.4	2	05/01/18 4:34	krh/las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MO-2007-6B

ACZ Sample ID: ***L43827-06***
Date Sampled: *04/17/18 13:25*
Date Received: *04/20/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	54.0			mg/L	0.4	2	05/01/18 4:52	krh/las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MO-2007-6A

ACZ Sample ID: ***L43827-07***
Date Sampled: *04/17/18 14:12*
Date Received: *04/20/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	7.75		*	mg/L	0.4	2	05/02/18 17:58	krh

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MO-2007-5C

ACZ Sample ID: ***L43827-08***
Date Sampled: *04/18/18 09:36*
Date Received: *04/20/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	10	144			mg/L	4	20	05/10/18 18:05	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MO-2007-5B

ACZ Sample ID: ***L43827-09***
Date Sampled: *04/18/18 11:28*
Date Received: *04/20/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	10	529		*	mg/L	4	20	05/02/18 19:46	krh

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MO-2009-1

ACZ Sample ID: ***L43827-10***
Date Sampled: *04/18/18 13:06*
Date Received: *04/20/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	2	103			mg/L	0.8	4	05/11/18 16:43	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MO-2007-2

ACZ Sample ID: ***L43827-11***
Date Sampled: *04/19/18 07:04*
Date Received: *04/20/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	5	371			mg/L	2	10	05/10/18 18:59	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: DUP20180418A

ACZ Sample ID: ***L43827-12***
Date Sampled: *04/18/18 00:00*
Date Received: *04/20/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	2	101			mg/L	0.8	4	05/11/18 17:01	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: FB20180418A

ACZ Sample ID: ***L43827-13***
Date Sampled: *04/18/18 00:00*
Date Received: *04/20/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1		U	*	mg/L	0.4	2	05/02/18 20:57	krh

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: EQB20180418A

ACZ Sample ID: ***L43827-14***
Date Sampled: *04/18/18 00:00*
Date Received: *04/20/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1		U	*	mg/L	0.4	2	05/02/18 21:33	krh

Arizona license number: AZ0102

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click: http://www.acz.com/public/extquallist.pdf

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L43827***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG444787													
WG444787ICV	ICV	04/05/18 15:17	WI180330-1	50		49.9	mg/L	100	90	110			
WG444787ICB	ICB	04/05/18 15:34				U	mg/L		-0.4	0.4			
WG446083													
WG446083LFB	LFB	04/30/18 20:25	WI180228-5	30		29.9	mg/L	100	90	110			
L43778-06DUP	DUP	05/01/18 1:11			U	591	mg/L				1	20	
L43806-01AS	AS	05/01/18 1:47	WI180228-5	600	695	1260	mg/L	94	90	110			
WG446359													
WG446359ICV	ICV	05/01/18 13:51	WI180330-1	50		52.7	mg/L	105	90	110			
WG446359ICB	ICB	05/01/18 14:09				U	mg/L		-0.4	0.4			
WG446359LFB	LFB	05/02/18 16:28	WI180430-12	30		32.6	mg/L	109	90	110			
L43827-07DUP	DUP	05/02/18 18:16			7.75	7.74	mg/L				0	20	
L43827-08AS	AS	05/02/18 18:52	WI180430-12	30	158	186	mg/L	93	90	110			
L43827-13DUP	DUP	05/02/18 21:15			U	U	mg/L				0	20	RA
L43827-14AS	AS	05/02/18 21:51	WI180430-12	30	U	33.4	mg/L	111	90	110			M1
WG447098													
WG447098LFB1	LFB	05/10/18 17:11	WI180430-12	30		30.1	mg/L	100	90	110			
L43827-08AS	AS	05/10/18 18:23	WI180430-12	300	144	441	mg/L	99	90	110			
WG447098LFB2	LFB	05/11/18 1:51	WI180430-12	30		30.1	mg/L	100	90	110			
WG447098LFB1	LFB	05/11/18 15:13	WI180430-12	30		29.5	mg/L	98	90	110			
WG447098LFB2	LFB	05/11/18 20:00	WI180430-12	30		29.5	mg/L	98	90	110			
WG447098ICV	ICV	05/14/18 18:59	WI180330-1	50		52	mg/L	104	90	110			
WG447098ICB	ICB	05/14/18 19:17				U	mg/L		-0.4	0.4			
L43727-01DUP	DUP	05/17/18 12:54			1860	1860	mg/L				0	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L43827***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L43827-01	WG446083	Sulfate	M300.0 - Ion Chromatography	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
L43827-07	WG446359	Sulfate	M300.0 - Ion Chromatography	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
L43827-09	WG446359	Sulfate	M300.0 - Ion Chromatography	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
L43827-13	WG446359	Sulfate	M300.0 - Ion Chromatography	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
			M300.0 - Ion Chromatography	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
L43827-14	WG446359	Sulfate	M300.0 - Ion Chromatography	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
			M300.0 - Ion Chromatography	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.

Certification Qualifiers

FMI Gold & Copper - Sierrita ACZ Project ID: ***L43827***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L43827
Date Received: 04/20/2018 10:03
Received By:
Date Printed: 4/23/2018

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]			X
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
5157	0.7	<=6.0	16	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID:	L43827
Date Received:	04/20/2018 10:03
Received By:	
Date Printed:	4/23/2018

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

L43827

CHAIN of CUSTODY

Report to:

Name: Jeff_Joy	Address: 6200 W. Duval Mine Road
Company: Freeport-McMoRan Sierrita Inc.	Green Valley, AZ 85614
E-mail: jeff_joy@fmi.com	Telephone: 520-393-2269

Copy of Report to:

Name: Ben Daigneau	E-mail: bdaigneau@clearcreekassociates.com
Company: Clear Creek Associates	Telephone: 520-622-3222

Invoice to:

Name:	Address:
Company:	
E-mail:	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES [ ] NO [ ]

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES [ ] NO [X]

If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #:

Project/PO #: ZS0000079

Reporting state for compliance testing:

Sampler's Name: Jeff Joy

Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	SO4 by EPA 300 or EPA 375							
MO-2007-4C	4/16/18 : 1049	GW	1	X							
MO-2007-4B	4/16/18 : 1239	GW	1	X							
MO-2007-4A	4/16/18 : 1318	GW	1	X							
MO-2007-3C	4/17/18 : 0941	GW	1	X							
MO-2007-3B	4/17/18 : 1127	GW	1	X							
MO-2007-6B	4/17/18 : 1325	GW	1	X							
MO-2007-6A	4/17/18 : 1412	GW	1	X							
MO-2007-5C	4/18/18 : 0936	GW	1	X							
MO-2007-5B	4/18/18 : 1128	GW	1	X							
MO-2009-1	4/18/18 : 1306	GW	1	X							

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Sulfates Page 1 of 2
Copy of report to Ben Daigneau contains only "SO4" results with QC Summary.
Please include copy of report to whart@fmi.com and bdorris@fmi.com
UPS Tracking # 1Z 867 7E4 23 1001 401 9

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Jeff Joy	4/19/18 : 1530	BCR	4/20/18 10:03

L43827 Chain of Custody

FRMAD050.01.15.09 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

L43827

CHAIN of CUSTODY

Report to:

Name: Jeff_Joy	Address: 6200 W. Duval Mine Road
Company: Freeport-McMoRan Sierrita Inc.	Green Valley, AZ 85614
E-mail: jeff_joy@fmi.com	Telephone: 520-393-2269

Copy of Report to:

Name: Ben Daigneau	E-mail: bdaigneau@clearcreekassociates.com
Company: Clear Creek Associates	Telephone: 520-622-3222

Invoice to:

Name:	Address:
Company:	
E-mail:	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES [ ] NO [ ]

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES [ ] NO [X]

If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #:

Project/PO #: ZS0000079

Reporting state for compliance testing:

Sampler's Name: Jeff Joy

Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	SO4 by EPA 300 or EPA 375							
MO-2007-2	4/19/18 : 0704	GW	1	X							
DUP20180418A	4/18/18 : 0000	GW	1	X							
FB20180418A	4/18/18 : 0000	GW	1	X							
EQB20180418A	4/18/18 : 0000	GW	1	X							

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Sulfates Page 2 of 2

Copy of report to Ben Daigneau contains only "SO4" results with QC Summary.

Please include copy of report to whart@fmi.com and bdorris@fmi.com

UPS Tracking # 1Z 867 7E4 23 1001 401 9

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Jeff Joy	4/19/18 : 1530	BCR	4/20/18 1003

FRMAD050.01.15.09 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Revised Analytical Report

June 15, 2018

Report to:
Jeff Joy
FMI Gold & Copper - Sierrita
6200 W. Duval Mine Road
Green Valley, AZ 85614

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

cc: Ben Daigneau, Billiy Dorris, William Hart

Project ID: ZS000008QB
ACZ Project ID: L43971

Jeff Joy:

Enclosed are revised analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on April 27, 2018 and originally reported on May 21, 2018. Refer to the case narrative for an explanation of the changes. This project was assigned to ACZ's project number, L43971. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L43971. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after June 20, 2018. If the samples are determined to be hazardous, additional charges apply for disposal (typically less than $10/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical reports for five years.

If you have any questions or other needs, please contact your Project Manager.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

FMI Gold Copper - Sierrita

June 15, 2018

Project ID: ZS000008QB
ACZ Project ID: L43971

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 23 ground water samples from FMI Gold & Copper - Sierrita on April 27, 2018. The samples were received in good condition. Upon receipt, the sample custodian removed the samples from the cooler, inspected the contents, and logged the samples into ACZ's computerized Laboratory Information Management System (LIMS). The samples were assigned ACZ LIMS project number L43971. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

All analyses were performed within EPA recommended holding times.

Sample Analysis

These samples were analyzed for inorganic parameters. The individual methods are referenced on both, the ACZ invoice and the analytical reports. The extended qualifier reports may contain footnotes qualifying specific elements due to QC failures. In addition the following has been noted with this specific project:

1. This project has been revised to include a re-analysis of Sulfate on L44971-20.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: MH-10

ACZ Sample ID: ***L43971-01***
Date Sampled: *04/23/18 08:52*
Date Received: *04/27/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	50	1480			mg/L	20	100	05/10/18 0:05	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: IW-21

ACZ Sample ID: ***L43971-02***
Date Sampled: *04/24/18 08:06*
Date Received: *04/27/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	50	1710			mg/L	20	100	05/10/18 0:41	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: IW-19

ACZ Sample ID: ***L43971-03***
Date Sampled: *04/24/18 08:20*
Date Received: *04/27/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	20	1870			mg/L	8	40	05/10/18 0:59	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: IW-11

ACZ Sample ID: ***L43971-04***
Date Sampled: *04/24/18 09:00*
Date Received: *04/27/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	50	1810			mg/L	20	100	05/10/18 1:52	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: IW-28

ACZ Sample ID: ***L43971-05***
Date Sampled: *04/24/18 09:25*
Date Received: *04/27/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	50	1820			mg/L	20	100	05/10/18 2:10	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: IW-29

ACZ Sample ID: ***L43971-06***
Date Sampled: *04/24/18 09:46*
Date Received: *04/27/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	50	1760			mg/L	20	100	05/10/18 2:28	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: IW-10

ACZ Sample ID: ***L43971-07***
Date Sampled: *04/24/18 10:00*
Date Received: *04/27/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	50	1960			mg/L	20	100	05/10/18 2:46	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: IW-27

ACZ Sample ID: ***L43971-08***
Date Sampled: *04/24/18 10:14*
Date Received: *04/27/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	50	1830			mg/L	20	100	05/10/18 3:04	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: IW-4

ACZ Sample ID: ***L43971-09***
Date Sampled: *04/24/18 10:31*
Date Received: *04/27/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	50	1870			mg/L	20	100	05/10/18 3:22	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: IW-26

ACZ Sample ID: ***L43971-10***
Date Sampled: *04/24/18 10:43*
Date Received: *04/27/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	20	1770			mg/L	8	40	05/10/18 3:58	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: IW-9

ACZ Sample ID: ***L43971-11***
Date Sampled: *04/24/18 10:53*
Date Received: *04/27/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	50	1810			mg/L	20	100	05/10/18 4:34	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: IW-8

ACZ Sample ID: ***L43971-12***
Date Sampled: *04/24/18 11:23*
Date Received: *04/27/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	50	1950			mg/L	20	100	05/10/18 5:45	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: IW-25

ACZ Sample ID: ***L43971-13***
Date Sampled: *04/24/18 11:33*
Date Received: *04/27/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	20	1440			mg/L	8	40	05/10/18 6:03	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: FFS-2

ACZ Sample ID: ***L43971-14***
Date Sampled: *04/25/18 13:18*
Date Received: *04/27/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	50	1920			mg/L	20	100	05/10/18 6:21	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: PS-3

ACZ Sample ID: ***L43971-15***
Date Sampled: *04/26/18 08:09*
Date Received: *04/27/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	20	900			mg/L	8	40	05/10/18 6:39	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: PS-2

ACZ Sample ID: ***L43971-16***
Date Sampled: *04/26/18 08:19*
Date Received: *04/27/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	20	999			mg/L	8	40	05/10/18 6:57	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: PS-1

ACZ Sample ID: ***L43971-17***
Date Sampled: *04/26/18 08:34*
Date Received: *04/27/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	20	1230			mg/L	8	40	05/10/18 7:15	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: MC-1

ACZ Sample ID: ***L43971-18***
Date Sampled: *04/26/18 09:44*
Date Received: *04/27/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	20	1680			mg/L	8	40	05/10/18 7:33	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: FFS-3

ACZ Sample ID: ***L43971-19***
Date Sampled: *04/26/18 09:56*
Date Received: *04/27/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	20	1530			mg/L	8	40	05/16/18 2:15	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: DUP20180424A

ACZ Sample ID: ***L43971-20***
Date Sampled: *04/24/18 00:00*
Date Received: *04/27/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	20	1750	H	*	mg/L	8	40	06/13/18 14:29	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: DUP20180426A

ACZ Sample ID: ***L43971-21***
Date Sampled: *04/26/18 00:00*
Date Received: *04/27/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	50	1570		*	mg/L	20	100	05/17/18 15:17	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: EQB20180426A

ACZ Sample ID: ***L43971-22***
Date Sampled: *04/26/18 00:00*
Date Received: *04/27/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	1.50	B	*	mg/L	0.4	2	05/16/18 4:38	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: FB20180426A

ACZ Sample ID: ***L43971-23***
Date Sampled: *04/26/18 00:00*
Date Received: *04/27/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	0.40	B	*	mg/L	0.4	2	05/16/18 4:56	las

Arizona license number: AZ0102

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click: http://www.acz.com/public/extquallist.pdf

FMI Gold & Copper - Sierrita ACZ Project ID: ***L43971***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG444787													
WG444787ICV	ICV	04/05/18 15:17	WI180330-1	50		49.9	mg/L	100	90	110			
WG444787ICB	ICB	04/05/18 15:34				U	mg/L		-0.4	0.4			
WG446679													
WG446679LFB1	LFB	05/09/18 19:00	WI180430-12	30		30	mg/L	100	90	110			
L43890-06DUP	DUP	05/09/18 23:47			4110	4200	mg/L				2	20	
L43971-01AS	AS	05/10/18 0:23	WI180430-12	1500	1480	2960	mg/L	99	90	110			
WG446679LFB2	LFB	05/10/18 3:40	WI180430-12	30		30.4	mg/L	101	90	110			
L43971-10DUP	DUP	05/10/18 4:16			1770	1760	mg/L				1	20	
L43971-11AS	AS	05/10/18 5:28	WI180430-12	1500	1810	3280	mg/L	98	90	110			
WG447283													
WG447283LFB1	LFB	05/15/18 17:53	WI180430-12	30		31	mg/L	103	90	110			
L43965-06DUP	DUP	05/15/18 22:40			2170	2160	mg/L				0	20	
L43965-07AS	AS	05/15/18 23:16	WI180430-12	3000	4250	7480	mg/L	108	90	110			
WG447283LFB2	LFB	05/16/18 2:33	WI180430-12	30		33	mg/L	110	90	110			
L43971-20DUP	DUP	05/16/18 3:09			U	U	mg/L				0	20	RA
L43971-21AS	AS	05/17/18 15:35	WI180430-12	1500	1570	3150	mg/L	105	90	110			
WG449224													
WG449224LFB	LFB	06/12/18 21:42	WI180430-12	30		31.3	mg/L	104	90	110			
L44523-01DUP	DUP	06/12/18 22:36			16.8	16.8	mg/L				0	20	
L44528-08AS	AS	06/12/18 23:12	WI180430-12	150	135	290	mg/L	103	90	110			

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Extended Qualifier Report

FMI Gold & Copper - Sierrita ACZ Project ID: ***L43971***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L43971-20	WG449224	Sulfate	M300.0 - Ion Chromatography	C5	Confirmatory analysis was past holding time. Original result not confirmed.
L43971-21	WG447283	Sulfate	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L43971-22	WG447283	Sulfate	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L43971-23	WG447283	Sulfate	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

Certification Qualifiers

FMI Gold & Copper - Sierrita ACZ Project ID: ***L43971***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L43971
Date Received: 04/27/2018 10:25
Received By:
Date Printed: 4/30/2018

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]			X
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
5241	2.3	<=6.0	15	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L43971
Date Received: 04/27/2018 10:25
Received By:
Date Printed: 4/30/2018

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc. L43971

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: Jeff_Joy	Address: 6200 W. Duval Mine Road
Company: Freeport-McMoRan Sierrita Inc.	Green Valley, AZ 85614
E-mail: jeff_joy@fmi.com	Telephone: 520-393-2269

Copy of Report to:

Name: Ben Daigneau	E-mail: bdaigneau@clearcreekassociates.com
Company: Clear Creek Associates	Telephone: 520-622-3222

Invoice to:

Name:	Address:
Company:	
E-mail:	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES [ ] NO [ ]
If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES [ ] NO [X]
If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #:
Project/PO #: ZS0000079
Reporting state for compliance testing:
Sampler's Name: Jeff Joy
Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	SO4 by EPA 300 or EPA 375							
MH-10	4/23/18 : 0852	GW	1	X							
IW-21	4/24/18 : 0806	GW	1	X							
IW-19	4/24/18 : 0820	GW	1	X							
IW-11	4/24/18 : 0900	GW	1	X							
IW-28	4/24/18 : 0925	GW	1	X							
IW-29	4/24/18 : 0946	GW	1	X							
IW-10	4/24/18 : 1000	GW	1	X							
IW-27	4/24/18 : 1014	GW	1	X							
IW-4	4/24/18 : 1031	GW	1	X							
IW-26	4/24/18 : 1043	GW	1	X							

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Sulfates Page 1 of 3
Copy of report to Ben Daigneau contains only "SO4" results with QC Summary.
Please include copy of report to whart@fmi.com and bdorris@fmi.com
UPS Tracking # 1Z 867 7E4 23 1001 400 0

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Jeff Joy	4/26/18 : 1530		4.27.18 10:25

FRMAD050.01.15.09 White - Return with sample. Yellow - Retain for your records.

L43971 Chain of Custody

ACZ Laboratories, Inc. L43971

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: Jeff Joy	Address: 6200 W. Duval Mine Road
Company: Freeport-McMoRan Sierrita Inc.	Green Valley, AZ 85614
E-mail: jeff_joy@fmi.com	Telephone: 520-393-2269

Copy of Report to:

Name: Ben Daigneau	E-mail: bdaigneau@clearcreekassociates.com
Company: Clear Creek Associates	Telephone: 520-622-3222

Invoice to:

Name:	Address:
Company:	
E-mail:	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

YES [ ] NO [ ]

Are samples for CO DW Compliance Monitoring? If yes, please include state forms. Results will be reported to PQL.

YES [ ] NO [X]

PROJECT INFORMATION

Quote #:

Project/PO #: ZS0000079

Reporting state for compliance testing:

Sampler's Name: Jeff Joy

Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	SO4 by EPA 300 or EPA 375							
IW-9	4/24/18 : 1053	GW	1	X							
IW-8	4/24/18 : 1123	GW	1	X							
IW-25	4/24/18 : 1133	GW	1	X							
FFS-2	4/25/18 : 1318	GW	1	X							
PS-3	4/26/18 : 0809	GW	1	X							
PS-2	4/26/18 : 0819	GW	1	X							
PS-1	4/26/18 : 0834	GW	1	X							
MC-1	4/26/18 : 0944	GW	1	X							
FFS-3	4/26/18 : 0956	GW	1	X							
DUP20180424A	4/24/18 : 0000	GW	1	X							

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Sulfates Page 2 of 3
Copy of report to Ben Daigneau contains only "SO4" results with QC Summary.
Please include copy of report to whart@fmi.com and bdorris@fmi.com
UPS Tracking # 1Z 867 7E4 23 1001 400 0

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Jeff Joy	4/26/18 : 1530		4.27.18 10:25

FRMAD050.01.15.09 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc. L43971

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: Jeff_Joy
Company: Freeport-McMoRan Sierrita Inc.
E-mail: jeff_joy@fmi.com
Address: 6200 W. Duval Mine Road
Green Valley, AZ 85614
Telephone: 520-393-2269

Copy of Report to:

Name: Ben Daigneau
Company: Clear Creek Associates
E-mail: bdaigneau@clearcreekassociates.com
Telephone: 520-622-3222

Invoice to:

Name:
Company:
E-mail:
Address:
Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES [ ] NO [ ]
If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES [ ] NO [X]
If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #:
Project/PO #: ZS0000079
Reporting state for compliance testing:
Sampler's Name: Jeff Joy
Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	SO4 by EPA 300 or EPA 375							
DUP20180426A	4/26/18 : 0000	GW	1	X							
EQB20180426A	4/26/18 : 0000	GW	1	X							
FB20180426A	4/26/18 : 0000	GW	1	X							

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Sulfates Page 3 of 3
Copy of report to Ben Daigneau contains only "SO4" results with QC Summary.
Please include copy of report to whart@fmi.com and bdorris@fmi.com
UPS Tracking # 1Z 867 7E4 23 1001 400 0

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Jeff Joy	4/26/18 : 1530		4.27.18 10:25

FRMAD050.01.15.09 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

May 25, 2018

Report to:
Jeff Joy
FMI Gold & Copper - Sierrita
6200 W. Duval Mine Road
Green Valley, AZ 85614

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

cc: Ben Daigneau, William Hart, Bill Dorris

Project ID: ZS0000079
ACZ Project ID: L44082

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on May 04, 2018. This project has been assigned to ACZ's project number, L44082. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L44082. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after June 24, 2018. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: FFS-4

ACZ Sample ID: ***L44082-01***
Date Sampled: *05/01/18 13:18*
Date Received: *05/04/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	20	1350		*	mg/L	8	40	05/18/18 21:55	krh/las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MC-4

ACZ Sample ID: ***L44082-02***
Date Sampled: *05/01/18 13:47*
Date Received: *05/04/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	20	1370		*	mg/L	8	40	05/18/18 22:49	krh/las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MC-2

ACZ Sample ID: ***L44082-03***
Date Sampled: *05/02/18 06:39*
Date Received: *05/04/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	20	1000		*	mg/L	8	40	05/18/18 23:07	krh/las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-25C

ACZ Sample ID: ***L44082-04***
Date Sampled: *05/02/18 08:36*
Date Received: *05/04/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	20	1060		*	mg/L	8	40	05/18/18 23:25	krh/las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-25B

ACZ Sample ID: ***L44082-05***
Date Sampled: *05/02/18 09:48*
Date Received: *05/04/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	20	916		*	mg/L	8	40	05/18/18 23:43	krh/las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-11

ACZ Sample ID: ***L44082-06***
Date Sampled: *05/02/18 10:20*
Date Received: *05/04/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	20	1290		*	mg/L	8	40	05/19/18 0:01	krh/las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: PZ--7

ACZ Sample ID: ***L44082-07***
Date Sampled: *05/02/18 11:52*
Date Received: *05/04/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	10	478		*	mg/L	4	20	05/19/18 0:19	krh/las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: PZ-8

ACZ Sample ID: ***L44082-08***
Date Sampled: *05/03/18 06:35*
Date Received: *05/04/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	10	642		*	mg/L	4	20	05/22/18 1:41	krh/las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-26C

ACZ Sample ID: ***L44082-09***
Date Sampled: *05/03/18 10:58*
Date Received: *05/04/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	20	1080		*	mg/L	8	40	05/22/18 2:16	krh/las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-26B

ACZ Sample ID: ***L44082-10***
Date Sampled: *05/03/18 11:37*
Date Received: *05/04/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	20	1180		*	mg/L	8	40	05/22/18 2:52	krh/las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: DUP20180503A

ACZ Sample ID: ***L44082-11***
Date Sampled: *05/03/18 00:00*
Date Received: *05/04/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	20	1130		*	mg/L	8	40	05/23/18 22:42	krh/las

Arizona license number: AZ0102

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click: http://www.acz.com/public/extquallist.pdf

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L44082***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG447112													
WG447112ICV	ICV	05/16/18 12:51	WI180330-1	50		52.2	mg/L	104	90	110			
WG447112ICB	ICB	05/16/18 13:09				U	mg/L		-0.4	0.4			
WG447691													
WG447691LFB	LFB	05/18/18 15:57	WI180430-12	30		30.7	mg/L	102	90	110			
L44081-02DUP	DUP	05/18/18 20:44			75.1	75.3	mg/L				0	20	
L44081-03AS	AS	05/18/18 21:19	WI180430-12	30	10.3	40.5	mg/L	101	90	110			
WG447784													
WG447784LFB	LFB	05/22/18 1:23	WI180430-12	30		31	mg/L	103	90	110			
L44082-08DUP	DUP	05/22/18 1:59			642	641	mg/L				0	20	
L44082-09AS	AS	05/22/18 2:34	WI180430-12	600	1080	1720	mg/L	107	90	110			

FMI Gold & Copper - Sierrita ACZ Project ID: ***L44082***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L44082-01	WG447691	Sulfate	M300.0 - Ion Chromatography	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
L44082-02	WG447691	Sulfate	M300.0 - Ion Chromatography	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
L44082-03	WG447691	Sulfate	M300.0 - Ion Chromatography	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
L44082-04	WG447691	Sulfate	M300.0 - Ion Chromatography	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
L44082-05	WG447691	Sulfate	M300.0 - Ion Chromatography	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
L44082-06	WG447691	Sulfate	M300.0 - Ion Chromatography	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
L44082-07	WG447691	Sulfate	M300.0 - Ion Chromatography	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
L44082-08	WG447784	Sulfate	M300.0 - Ion Chromatography	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
L44082-09	WG447784	Sulfate	M300.0 - Ion Chromatography	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
L44082-10	WG447784	Sulfate	M300.0 - Ion Chromatography	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
L44082-11	WG447784	Sulfate	M300.0 - Ion Chromatography	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.

Certification Qualifiers

FMI Gold & Copper - Sierrita ACZ Project ID: ***L44082***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L44082
Date Received: 05/04/2018 10:06
Received By:
Date Printed: 5/7/2018

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]			X
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
NA28257	6	<=6.0	15	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L44082
Date Received: 05/04/2018 10:06
Received By:
Date Printed: 5/7/2018

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc. L44082

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: Jeff Joy	Address: 6200 W. Duval Mine Road
Company: Freeport-McMoRan Sierrita Inc.	Green Valley, AZ 85614
E-mail: jeff_joy@fmi.com	Telephone: 520-393-2269

Copy of Report to:

Name: Ben Daigneau	E-mail: bdaigneau@clearcreekassociates.com
Company: Clear Creek Associates	Telephone: 520-622-3222

Invoice to:

Name:	Address:
Company:	
E-mail:	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES [ ] NO [ ]
If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES [ ] NO [X]
If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #:
Project/PO #: ZS0000079
Reporting state for compliance testing:
Sampler's Name: Jeff Joy
Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	SO4 by EPA 300 or EPA 375							
FFS-4	5/1/18 : 1318	GW	1	X							
MC-4	5/1/18 : 1347	GW	1	X							
MC-2	5/2/18 : 0639	GW	1	X							
MH-25C	5/2/18 : 0836	GW	1	X							
MH-25B	5/2/18 : 0948	GW	1	X							
MH-11	5/2/18 : 1020	GW	1	X							
PZ-7	5/2/18 : 1152	GW	1	X							
PZ-8	5/3/18 : 0635	GW	1	X							
MH-26C	5/3/18 : 1058	GW	1	X							
MH-26B	5/3/18 : 1137	GW	1	X							

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Sulfates Page 1 of 2
Copy of report to Ben Daigneau contains only "SO4" results with QC Summary.
Please include copy of report to whart@fmi.com and bdorris@fmi.com
UPS Tracking # 1Z 867 7E4 23 1001 397 6

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Jeff Joy	5/3/18 : 1530		5/4/18 10:06

FRMAD050.01.15.09 White - Return with sample. Yellow - Retain for your records.

L44082 Chain of Custody

ACZ Laboratories, Inc. L44082

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: Jeff_Joy
Company: Freeport-McMoRan Sierrita Inc.
E-mail: jeff_joy@fmi.com
Address: 6200 W. Duval Mine Road
Green Valley, AZ 85614
Telephone: 520-393-2269

Copy of Report to:

Name: Ben Daigneau
Company: Clear Creek Associates
E-mail: bdaigneau@clearcreekassociates.com
Telephone: 520-622-3222

Invoice to:

Name:
Company:
E-mail:
Address:
Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES [ ] NO [ ]
If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES [ ] NO [X]
If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #:
Project/PO #: ZS0000079
Reporting state for compliance testing:
Sampler's Name: Jeff Joy
Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	SO4 by EPA 300 or EPA 375							
DUP20180503A	5/3/18 : 0000	GW	1	X							

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Sulfates Page 2 of 2
Copy of report to Ben Daigneau contains only "SO4" results with QC Summary.
Please include copy of report to whart@fmi.com and bdorris@fmi.com
UPS Tracking # 1Z 867 7E4 23 1001 397 6

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Jeff Joy	5/3/18 : 1530		5/4/18 10:66

FRMAD050.01.15.09 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

June 05, 2018

Report to:
Jeff Joy
FMI Gold & Copper - Sierrita
6200 W. Duval Mine Road
Green Valley, AZ 85614

cc: Ben Daigneau

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

Project ID: ZS0000079
ACZ Project ID: L44253

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on May 11, 2018. This project has been assigned to ACZ's project number, L44253. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L44253. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after July 05, 2018. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-13C

ACZ Sample ID: ***L44253-01***
Date Sampled: *05/08/18 12:34*
Date Received: *05/11/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	24.4		*	mg/L	0.4	2	05/31/18 0:26	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-13B

ACZ Sample ID: ***L44253-02***
Date Sampled: *05/08/18 13:43*
Date Received: *05/11/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	10	849		*	mg/L	4	20	06/01/18 11:59	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: M-10

ACZ Sample ID: ***L44253-03***
Date Sampled: *05/09/18 08:18*
Date Received: *05/11/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	20	154		*	mg/L	8	40	05/31/18 1:37	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: M-8

ACZ Sample ID: ***L44253-04***
Date Sampled: *05/09/18 10:17*
Date Received: *05/11/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	2	102		*	mg/L	0.8	4	06/01/18 12:17	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: M-9

ACZ Sample ID: ***L44253-05***
Date Sampled: *05/09/18 13:14*
Date Received: *05/11/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	3.10		*	mg/L	0.4	2	05/31/18 2:13	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MW-2016-06

ACZ Sample ID: ***L44253-06***
Date Sampled: *05/08/18 07:42*
Date Received: *05/11/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	5	61.2		*	mg/L	2	10	05/31/18 2:31	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MW-2016-05B

ACZ Sample ID: ***L44253-07***
Date Sampled: *05/10/18 09:01*
Date Received: *05/11/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	41.9			mg/L	0.4	2	05/31/18 2:49	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MW-2016-05A

ACZ Sample ID: ***L44253-08***
Date Sampled: *05/10/18 09:40*
Date Received: *05/11/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	22.8			mg/L	0.4	2	05/31/18 3:25	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: FFS-1

ACZ Sample ID: ***L44253-09***
Date Sampled: *05/10/18 11:00*
Date Received: *05/11/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	20	1820			mg/L	8	40	05/31/18 4:01	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: DUP20180510A

ACZ Sample ID: ***L44253-10***
Date Sampled: *05/10/18 00:00*
Date Received: *05/11/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	22.8			mg/L	0.4	2	05/31/18 4:19	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: EQB20180510A

ACZ Sample ID: ***L44253-11***
Date Sampled: *05/10/18 00:00*
Date Received: *05/11/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1		U		mg/L	0.4	2	05/31/18 5:12	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: FB20180510A

ACZ Sample ID: ***L44253-12***
Date Sampled: *05/10/18 00:00*
Date Received: *05/11/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1		U		mg/L	0.4	2	05/31/18 5:30	las

Arizona license number: AZ0102

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click: http://www.acz.com/public/extquallist.pdf

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L44253***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG448426													
WG448426LFB	LFB	05/30/18 22:20	WI180430-12	30		31	mg/L	103	90	110			
L44228-01DUP	DUP	05/30/18 22:56			U	U	mg/L				0	20	RA
L44228-02AS	AS	05/30/18 23:32	WI180430-12	300	4.09	309	mg/L	102	90	110			
L44253-07DUP	DUP	05/31/18 3:07			41.9	41.9	mg/L				0	20	
L44253-08AS	AS	05/31/18 3:43	WI180430-12	30	22.8	52.5	mg/L	99	90	110			

FMI Gold & Copper - Sierrita ACZ Project ID: ***L44253***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L44253-01	WG448426	Sulfate	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L44253-02	WG448426	Sulfate	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L44253-03	WG448426	Sulfate	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L44253-04	WG448426	Sulfate	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L44253-05	WG448426	Sulfate	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L44253-06	WG448426	Sulfate	M300.0 - Ion Chromatography	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

Certification Qualifiers

FMI Gold & Copper - Sierrita ACZ Project ID: ***L44253***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L44253
Date Received: 05/11/2018 10:39
Received By:
Date Printed: 5/14/2018

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]			X
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
4461	4.3	<=6.0	13	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L44253
Date Received: 05/11/2018 10:39
Received By:
Date Printed: 5/14/2018

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493 L44253

CHAIN of CUSTODY

Report to:

Name: Jeff_Joy	Address: 6200 W. Duval Mine Road
Company: Freeport-McMoRan Sierrita Inc.	Green Valley, AZ 85614
E-mail: jeff_joy@fmi.com	Telephone: 520-393-2269

Copy of Report to:

Name: Ben Daigneau	E-mail: bdaigneau@clearcreekassociates.com
Company: Clear Creek Associates	Telephone: 520-622-3222

Invoice to:

Name:	Address:
Company:	
E-mail:	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES [ ] NO [ ]
If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES [ ] NO [X]
If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #:
Project/PO #: ZS0000079
Reporting state for compliance testing:
Sampler's Name: Jeff Joy
Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	SO4 by EPA 300 or EPA 375							
MH-13C	5/8/18 : 1234	GW	1	X							
MH-13B	5/8/18 : 1343	GW	1	X							
M-10	5/9/19 : 0818	GW	1	X							
M-8	5/9/18 : 1017	GW	1	X							
M-9	5/9/18 : 1314	GW	1	X							
MW-2016-06	5/10/18 : 0742	GW	1	X							
MW-2016-05B	5/10/18 : 0901	GW	1	X							
MW-2016-05A	5/10/18 : 0940	GW	1	X							
FFS-1	5/10/18 : 1100	GW	1	X							
DUP20180510A	5/10/18 : 0000	GW	1	X							

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Sulfates Page 1 of 2
Copy of report to Ben Daigneau contains only "SO4" results with QC Summary.
Please include copy of report to whart@fmi.com and bdorris@fmi.com
UPS Tracking # 1Z 867 7E4 23 1001 399 4

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Jeff Joy	5/10/18 : 1530		5-11-18 10:39

FRMAD050.01.15.09 White - Return with sample. Yellow - Retain for your records.

L44253 Chain of Custody

ACZ Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493 L44253

CHAIN of CUSTODY

Report to:

Name: Jeff_Joy	Address: 6200 W. Duval Mine Road
Company: Freeport-McMoRan Sierrita Inc.	Green Valley, AZ 85614
E-mail: jeff_joy@fmi.com	Telephone: 520-393-2269

Copy of Report to:

Name: Ben Daigneau	E-mail: bdaigneau@clearcreekassociates.com
Company: Clear Creek Associates	Telephone: 520-622-3222

Invoice to:

Name:	Address:
Company:	
E-mail:	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES [ ] NO [ ]

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES [ ] NO [X]

If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #:

Project/PO #: ZS0000079

Reporting state for compliance testing:

Sampler's Name: Jeff Joy

Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	SO4 by EPA 300 or EPA 375							
EQB20180510A	5/10/18 : 0000	GW	1	X							
FB20180510A	5/10/18 : 0000	GW	1	X							

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Sulfates Page 2 of 2
Copy of report to Ben Daigneau contains only "SO4" results with QC Summary.
Please include copy of report to whart@fmi.com and bdorris@fmi.com
UPS Tracking # 1Z 867 7E4 23 1001 399 4
EQB & FB are DI water

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Jeff Joy	5/10/18 : 1530		5-11-18 10:39

FRMAD050.01.15.09 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

June 07, 2018

Report to:
Jeff Joy
FMI Gold & Copper - Sierrita
6200 W. Duval Mine Road
Green Valley, AZ 85614

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

cc: Ben Daigneau, Bill Dorris, William Hart

Project ID: ZS000008QB
ACZ Project ID: L44394

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on May 18, 2018. This project has been assigned to ACZ's project number, L44394. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L44394. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after July 07, 2018. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: CCGV

ACZ Sample ID: ***L44394-01***
Date Sampled: *05/14/18 11:20*
Date Received: *05/18/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	2	89.7			mg/L	0.8	4	06/04/18 18:29	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: HAVENGOLF

ACZ Sample ID: ***L44394-02***
Date Sampled: *05/14/18 12:10*
Date Received: *05/18/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lab Filtration (0.45um filter)	SOPWC050	1							05/29/18 16:06	kja
Sulfate	M300.0 - Ion Chromatography	5	91.0			mg/L	2	10	06/04/18 19:05	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: CW-10

ACZ Sample ID: ***L44394-03***
Date Sampled: *05/15/18 07:29*
Date Received: *05/18/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	44.4			mg/L	0.4	2	06/04/18 19:40	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: CW-6

ACZ Sample ID: ***L44394-04***
Date Sampled: *05/15/18 08:05*
Date Received: *05/18/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	77.5			mg/L	0.4	2	06/04/18 19:58	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: CW-9

ACZ Sample ID: ***L44394-05***
Date Sampled: *05/15/18 09:20*
Date Received: *05/18/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	49.8			mg/L	0.4	2	06/04/18 20:16	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: GV-1

ACZ Sample ID: ***L44394-06***
Date Sampled: *05/16/18 07:55*
Date Received: *05/18/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	26.4			mg/L	0.4	2	06/04/18 20:34	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: GV-2

ACZ Sample ID: ***L44394-07***
Date Sampled: *05/16/18 08:25*
Date Received: *05/18/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	41.8			mg/L	0.4	2	06/04/18 21:28	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: SIWELL

ACZ Sample ID: ***L44394-08***
Date Sampled: *05/16/18 08:40*
Date Received: *05/18/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	6.60			mg/L	0.4	2	06/04/18 21:46	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: DUP20180516A

ACZ Sample ID: ***L44394-09***
Date Sampled: *05/16/18 00:00*
Date Received: *05/18/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	6.56			mg/L	0.4	2	06/04/18 22:04	las

Arizona license number: AZ0102

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click: http://www.acz.com/public/extquallist.pdf

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L44394***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG448672													
WG448672LFB1	LFB	06/04/18 18:11	WI180430-12	30		30.7	mg/L	102	90	110			
L44394-01DUP	DUP	06/04/18 18:47			89.7	89.7	mg/L				0	20	
L44394-02AS	AS	06/04/18 19:23	WI180430-12	150	91	245	mg/L	103	90	110			
WG448672LFB2	LFB	06/05/18 2:51	WI180430-12	30		30.5	mg/L	102	90	110			

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Extended Qualifier Report

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L44394***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION

No extended qualifiers associated with this analysis

Certification Qualifiers

FMI Gold & Copper - Sierrita ACZ Project ID: ***L44394***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L44394
Date Received: 05/18/2018 11:32
Received By:
Date Printed: 5/21/2018

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]			X
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
3990	3	<=6.0	13	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L44394
Date Received: 05/18/2018 11:32
Received By:
Date Printed: 5/21/2018

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc.

L44394

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: Jeff Joy	Address: 6200 W. Duval Mine Road
Company: Freeport-McMoRan Sierrita Inc.	Green Valley, AZ 85614
E-mail: jeff_joy@fmi.com	Telephone: 520-393-2269

Copy of Report to:

Name: Ben Daigneau	E-mail: bdaigneau@clearcreekassociates.com
Company: Clear Creek Associates	Telephone: 520-622-3222

Invoice to:

Name:	Address:
Company:	
E-mail:	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES [ ] NO [ ]
If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES [ ] NO [X]
If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #:
Project/PO #: ZS0000079
Reporting state for compliance testing:
Sampler's Name: Jeff Joy
Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	SO4 by EPA 300 or EPA 375							
CCGV	5/14/18 : 1120	GW	1	X							
HAVENGOLF	5/14/18 : 1210	GW	1	X							
CW-10	5/15/18 : 0729	GW	1	X							
CW-6	5/15/18 : 0805	GW	1	X							
CW-9	5/15/18 : 0920	GW	1	X							
GV-1	5/16/18 : 0755	GW	1	X							
GV-2	5/16/18 : 0825	GW	1	X							
SIWELL	5/16/18 : 0840	GW	1	X							
DUP20180516A	5/16/18 : 0000	GW	1	X							

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Sulfates
PLEASE FILTER HAVENGOLF FOR SULFATE
Copy of report to Ben Daigneau contains only "SO4" results with QC Summary.
Please include copy of report to whart@fmi.com and bdorris@fmi.com
UPS Tracking # 1Z 867 7E4 22 1000 416 6

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Jeff Joy	5/17/18 : 1530	BCR	5/18/18 1132

L44394 Chain of Custod

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

July 11, 2018

Report to:
Jeff Joy
FMI Gold & Copper - Sierrita
6200 W. Duval Mine Road
Green Valley, AZ 85614

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

cc: William Hart, Billiy Dorris, Ben Daigneau

Project ID: ZS0000079
ACZ Project ID: L45124

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on June 22, 2018. This project has been assigned to ACZ's project number, L45124. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L45124. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after August 10, 2018. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: M-20

ACZ Sample ID: ***L45124-01***
Date Sampled: *06/21/18 09:20*
Date Received: *06/22/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Lab Filtration (0.45um filter)	SOPWC050	1							07/02/18 15:52	kja
Sulfate	M300.0 - Ion Chromatography	20	824			mg/L	8	40	07/06/18 7:42	las

Arizona license number: AZ0102

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click: http://www.acz.com/public/extquallist.pdf

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L45124***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG451076													
WG451076LFB	LFB	07/05/18 23:56	WI180430-12	30		30.8	mg/L	103	90	110			
L44996-04DUP	DUP	07/06/18 4:43			3190	3200	mg/L				0	20	
L44996-05AS	AS	07/06/18 16:08	WI180430-12	300	673	958	mg/L	95	90	110			

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Extended Qualifier Report

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L45124***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION

No extended qualifiers associated with this analysis

Certification Qualifiers

FMI Gold & Copper - Sierrita ACZ Project ID: ***L45124***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L45124
Date Received: 06/22/2018 11:26
Received By:
Date Printed: 6/25/2018

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]			X
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
4505	2.3	<=6.0	14	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L45124
Date Received: 06/22/2018 11:26
Received By:
Date Printed: 6/25/2018

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc. L45124

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: Jeff_Joy	Address: 6200 W. Duval Mine Road
Company: Freeport-McMoRan Sierrita Inc.	Green Valley, AZ 85614
E-mail: jeff_joy@fmi.com	Telephone: 520-393-2269

Copy of Report to:

Name: Ben Daigneau	E-mail: bdaigneau@clearcreekassociates.com
Company: Clear Creek Associates	Telephone: 520-622-3222

Invoice to:

Name:	Address:
Company:	
E-mail:	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES [ ] NO [ ]

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES [ ] NO [x]

If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #:

Project/PO #: ZS0000079

Reporting state for compliance testing:

Sampler's Name: Jeff Joy

Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	SO4 by EPA 300 or EPA 375							
M-20	6/21/18 : 0920	GW	1	x							

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

PLEASE FILTER SAMPLE FOR SULFATE

Copy of report to Ben Daigneau contains only "SO4" results with QC Summary.

Please include copy of report to whart@fmi.com and bdorris@fmi.com

UPS Tracking # 1Z 867 7E4 22 1000 415 7

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Jeff Joy	6/21/18 : 1530	JSC	6-22-18 11:26

L45124 Chain of Custod

FRMAD050.01.15.09 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

July 11, 2018

Report to:
Jeff Joy
FMI Gold & Copper - Sierrita
6200 W. Duval Mine Road
Green Valley, AZ 85614

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

cc: William Hart, Billiy Dorris, Ben Daigneau

Project ID: ZS0000079
ACZ Project ID: L45216

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on June 27, 2018. This project has been assigned to ACZ's project number, L45216. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L45216. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after August 10, 2018. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: CW-3

ACZ Sample ID: ***L45216-01***
Date Sampled: *06/26/18 09:26*
Date Received: *06/27/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	69.8			mg/L	0.4	2	07/06/18 8:00	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: DUP20180626A

ACZ Sample ID: ***L45216-02***
Date Sampled: *06/26/18 00:00*
Date Received: *06/27/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	69.7			mg/L	0.4	2	07/06/18 8:18	las

Arizona license number: AZ0102

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click: http://www.acz.com/public/extquallist.pdf

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L45216***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG451076													
WG451076LFB	LFB	07/05/18 23:56	WI180430-12	30		30.8	mg/L	103	90	110			
L44996-04DUP	DUP	07/06/18 4:43			3190	3200	mg/L				0	20	
L44996-05AS	AS	07/06/18 16:08	WI180430-12	300	673	958	mg/L	95	90	110			

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Extended Qualifier Report

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L45216***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION

No extended qualifiers associated with this analysis

Certification Qualifiers

FMI Gold & Copper - Sierrita ACZ Project ID: ***L45216***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L45216
Date Received: 06/27/2018 11:30
Received By:
Date Printed: 6/28/2018

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]			X
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
3335	0.1	<=6.0	13	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L45216
Date Received: 06/27/2018 11:30
Received By:
Date Printed: 6/28/2018

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

L45216

JEFF JOY

PO# 2500000079

FREEPORT MCMORAN

JJOY @ FMI.COM

COPY REPORT TO:

BEN DAIGNEAU BDAIGNEAU @ CREEKCREEKASSOCIATES.COM

BILLY DORRIS BDORRIS @ FMI.COM

BILL HART WHART @ FMI.COM

Cw-3	6/26/18:0926	Gw	1 CONT.	SULFATE
Dup20180626A	6/26/18:0000	Gw	1 CONT.	SULFATE

UPS TRACKING # 1Z867 7E4 22 1000 3836

RELINQUISHED BY JEFF JOY 6/26/18: 1530

BCK 6/27/18 1130

L45216 Chain of Custod

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

July 18, 2018

Report to:
Jeff Joy
FMI Gold & Copper - Sierrita
6200 W. Duval Mine Road
Green Valley, AZ 85614

cc: William Hart, Billiy Dorris, Ben Daigneau

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

Project ID: ZS0000079
ACZ Project ID: L45346

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on July 05, 2018. This project has been assigned to ACZ's project number, L45346. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L45346. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after August 17, 2018. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: PS-4

ACZ Sample ID: ***L45346-01***
Date Sampled: *06/29/18 06:30*
Date Received: *07/05/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	20	1250		*	mg/L	8	40	07/13/18 16:53	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: FFS-6

ACZ Sample ID: ***L45346-02***
Date Sampled: *06/29/18 06:55*
Date Received: *07/05/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	20	1310		*	mg/L	8	40	07/13/18 17:11	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MC-3

ACZ Sample ID: ***L45346-03***
Date Sampled: *06/29/18 07:10*
Date Received: *07/05/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	20	1340		*	mg/L	8	40	07/13/18 17:29	las

Arizona license number: AZ0102

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click: http://www.acz.com/public/extquallist.pdf

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L45346***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG451648													
WG451648LFB1	LFB	07/13/18 15:24	WI180430-12	30		31.2	mg/L	104	90	110			
L45207-17DUP	DUP	07/13/18 16:00			133	133	mg/L				0	20	
L45299-02AS	AS	07/13/18 16:35	WI180430-12	30	.93	32	mg/L	104	90	110			
WG451648LFB2	LFB	07/14/18 0:03	WI180430-12	30		31.1	mg/L	104	90	110			

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Extended Qualifier Report

FMI Gold & Copper - Sierrita ACZ Project ID: ***L45346***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L45346-01	WG451648	Sulfate	M300.0 - Ion Chromatography	Q6	Sample was received above recommended temperature.
L45346-02	WG451648	Sulfate	M300.0 - Ion Chromatography	Q6	Sample was received above recommended temperature.
L45346-03	WG451648	Sulfate	M300.0 - Ion Chromatography	Q6	Sample was received above recommended temperature.

Certification Qualifiers

FMI Gold & Copper - Sierrita ACZ Project ID: ***L45346***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L45346
Date Received: 07/05/2018 12:46
Received By:
Date Printed: 7/6/2018

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]			X
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
3834	8.2	<=6.0	15	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s) but was thawed by receipt at ACZ.

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L45346
Date Received: 07/05/2018 12:46
Received By:
Date Printed: 7/6/2018

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc. L45346

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: Jeff Joy	Address: 6200 W. Duval Mine Road
Company: Freeport-McMoRan Sierrita Inc.	Green Valley, AZ 85614
E-mail: jeff_joy@fmi.com	Telephone: 520-393-2269

Copy of Report to:

Name: Ben Daigneau	E-mail: bdaigneau@clearcreekassociates.com
Company: Clear Creek Associates	Telephone: 520-622-3222

Invoice to:

Name:	Address:
Company:	
E-mail:	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES [ ] NO [ ]
If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES [ ] NO [X]
If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #:
Project/PO #: ZS0000079
Reporting state for compliance testing:
Sampler's Name: Jeff Joy
Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	SO4 by EPA 300 or EPA 375							
PS-4	6/29/18 : 0630	GW	1	X							
FFS-6	6/29/18 : 0655	GW	1	X							
MC-3	6/29/18 : 0710	GW	1	X							

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Sulfates
Copy of report to Ben Daigneau contains only "SO4" results with QC Summary.
Please include copy of report to whart@fmi.com and bdorris@fmi.com
UPS Tracking # 1Z 867 7E4 22 1000 384 5

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Jeff Joy	7/2/18 : 1530		7/5/18 12:46

FRMAD050.01.15.09 White - Return with sample. Yellow - Retain for your records.

L45346 Chain of Custod

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

September 17, 2018

Report to:
Jeff Joy
FMI Gold & Copper - Sierrita
6200 W. Duval Mine Road
Green Valley, AZ 85614

CC: Ben Daigneau

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

Project ID: ZS0000079 - SULFATE ONLY
ACZ Project ID: L43728

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on April 13, 2018. This project has been assigned to ACZ's project number, L43728. Please reference this number in all future inquiries.

At the request of Phelps Dodge Sierrita, Inc. (PDSI), this laboratory report has been prepared to contain only information specific to samples and analytes identified by PDSI as evaluated pursuant to Mitigation Order No. P-500-06 with Arizona Department of Environmental Quality. Samples and analytes unrelated to the Mitigation Order, but which may be identified on the chain of custody and sample receipt, have been reported to PDSI in a separate report.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L43728. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after October 17, 2018. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

ACCREDITED IN ACCORDANCE WITH nelac
ACIL

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-27

ACZ Sample ID: ***L43728-01***
Date Sampled: *04/09/18 12:15*
Date Received: *04/13/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	1380		*	mg/L	50	250	04/18/18 11:10	jmm

Arizona license number: AZ0102

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-20

ACZ Sample ID: ***L43728-02***
Date Sampled: *04/09/18 13:35*
Date Received: *04/13/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	20	616		*	mg/L	20	100	04/18/18 11:11	jmm

Arizona license number: AZ0102

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-28

ACZ Sample ID: ***L43728-03***
Date Sampled: *04/10/18 08:31*
Date Received: *04/13/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	1970		*	mg/L	50	250	04/18/18 11:10	jmm

Arizona license number: AZ0102

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-14

ACZ Sample ID: ***L43728-04***
Date Sampled: *04/10/18 12:40*
Date Received: *04/13/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	1830		*	mg/L	50	250	04/18/18 11:11	jmm

Arizona license number: AZ0102

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-29

ACZ Sample ID: ***L43728-05***
Date Sampled: *04/10/18 13:45*
Date Received: *04/13/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	1920		*	mg/L	50	250	04/18/18 11:11	jmm

Arizona license number: AZ0102

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-15W

ACZ Sample ID: ***L43728-06***
Date Sampled: *04/11/18 10:50*
Date Received: *04/13/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	1830		*	mg/L	50	250	04/18/18 11:11	jmm

Arizona license number: AZ0102

** Please refer to Qualifier Reports for details.*

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Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-16W

ACZ Sample ID: ***L43728-07***
Date Sampled: *04/11/18 12:40*
Date Received: *04/13/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	1860		*	mg/L	50	250	04/18/18 11:13	jmm

Arizona license number: AZ0102

** Please refer to Qualifier Reports for details.*

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Inorganic Reference

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click: http://www.acz.com/public/extquallist.pdf

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Inorganic QC Summary

FMI Gold & Copper - Sierrita ACZ Project ID: ***L43728***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Antimony, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG446193													
WG446193ICV	ICV	04/26/18 19:16	MS180423-2	.02		.02072	mg/L	104	90	110			
WG446193ICB	ICB	04/26/18 19:18				U	mg/L		-0.0012	0.0012			
WG446193LFB	LFB	04/26/18 19:21	MS180330-2	.01		.00865	mg/L	87	85	115			
L43638-02AS	AS	04/26/18 19:37	MS180330-2	.01	U	.00888	mg/L	89	70	130			
L43638-02ASD	ASD	04/26/18 19:40	MS180330-2	.01	U	.00944	mg/L	94	70	130	6	20	
L43728-07AS	AS	04/26/18 20:13	MS180330-2	.02	U	.01889	mg/L	94	70	130			
L43728-07ASD	ASD	04/26/18 20:16	MS180330-2	.02	U	.01925	mg/L	96	70	130	2	20	

Arsenic, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG446193													
WG446193ICV	ICV	04/26/18 19:16	MS180423-2	.05		.05069	mg/L	101	90	110			
WG446193ICB	ICB	04/26/18 19:18				U	mg/L		-0.0006	0.0006			
WG446193LFB	LFB	04/26/18 19:21	MS180330-2	.0501		.04482	mg/L	89	85	115			
L43638-02AS	AS	04/26/18 19:37	MS180330-2	.0501	.0081	.05551	mg/L	95	70	130			
L43638-02ASD	ASD	04/26/18 19:40	MS180330-2	.0501	.0081	.05592	mg/L	95	70	130	1	20	
L43728-07AS	AS	04/26/18 20:13	MS180330-2	.1002	U	.09966	mg/L	99	70	130			
L43728-07ASD	ASD	04/26/18 20:16	MS180330-2	.1002	U	.0994	mg/L	99	70	130	0	20	

Beryllium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG446390													
WG446390ICV	ICV	05/01/18 17:43	MS180423-2	.05		.0499	mg/L	100	90	110			
WG446390ICB	ICB	05/01/18 17:46				.000087	mg/L		-0.00015	0.00015			
WG446390LFB	LFB	05/01/18 17:49	MS180330-2	.05035		.04666	mg/L	93	85	115			
L43728-04AS	AS	05/01/18 18:05	MS180330-2	.1007	U	.09384	mg/L	93	70	130			
L43728-04ASD	ASD	05/01/18 18:08	MS180330-2	.1007	U	.09338	mg/L	93	70	130	0	20	

Cadmium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG446193													
WG446193ICV	ICV	04/26/18 19:16	MS180423-2	.05		.05266	mg/L	105	90	110			
WG446193ICB	ICB	04/26/18 19:18				U	mg/L		-0.0003	0.0003			
WG446193LFB	LFB	04/26/18 19:21	MS180330-2	.05005		.04606	mg/L	92	85	115			
L43638-02AS	AS	04/26/18 19:37	MS180330-2	.05005	U	.04548	mg/L	91	70	130			
L43638-02ASD	ASD	04/26/18 19:40	MS180330-2	.05005	U	.04579	mg/L	91	70	130	1	20	
L43728-07AS	AS	04/26/18 20:13	MS180330-2	.1001	U	.09264	mg/L	93	70	130			
L43728-07ASD	ASD	04/26/18 20:16	MS180330-2	.1001	U	.09104	mg/L	91	70	130	2	20	

Chromium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG446280													
WG446280ICV	ICV	05/01/18 11:51	II180424-2	2		2.012	mg/L	101	95	105			
WG446280ICB	ICB	05/01/18 11:57				U	mg/L		-0.03	0.03			
WG446280LFB	LFB	05/01/18 12:09	II180413-3	.5		.562	mg/L	112	85	115			
L43728-02AS	AS	05/01/18 12:21	II180413-3	.5	U	.559	mg/L	112	85	115			
L43728-02ASD	ASD	05/01/18 12:24	II180413-3	.5	U	.559	mg/L	112	85	115	0	20	

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Inorganic QC Summary

FMI Gold & Copper - Sierrita ACZ Project ID: ***L43728***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Cobalt, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG446280													
WG446280ICV	ICV	05/01/18 11:51	II180424-2	2.002		1.995	mg/L	100	95	105			
WG446280ICB	ICB	05/01/18 11:57				U	mg/L		-0.03	0.03			
WG446280LFB	LFB	05/01/18 12:09	II180413-3	.501		.569	mg/L	114	85	115			
L43728-02AS	AS	05/01/18 12:21	II180413-3	.501	U	.572	mg/L	114	85	115			
L43728-02ASD	ASD	05/01/18 12:24	II180413-3	.501	U	.573	mg/L	114	85	115	0	20	

Copper, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG446280													
WG446280ICV	ICV	05/01/18 11:51	II180424-2	2		2.051	mg/L	103	95	105			
WG446280ICB	ICB	05/01/18 11:57				U	mg/L		-0.03	0.03			
WG446280LFB	LFB	05/01/18 12:09	II180413-3	.4975		.568	mg/L	114	85	115			
L43728-02AS	AS	05/01/18 12:21	II180413-3	.4975	U	.58	mg/L	117	85	115			M1
L43728-02ASD	ASD	05/01/18 12:24	II180413-3	.4975	U	.584	mg/L	117	85	115	1	20	M1

Fluoride SM4500F-C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG445835													
WG445835ICV	ICV	04/22/18 12:35	WC180416-7	1.996		1.964	mg/L	98	95	105			
WG445835ICB	ICB	04/22/18 12:41				.055	mg/L		-0.15	0.15			
WG445835LFB1	LFB	04/22/18 12:50	WC171227-7	4.99		4.954	mg/L	99	90	110			
L43711-02AS	AS	04/22/18 14:23	WC171227-7	4.99	1.24	5.536	mg/L	86	90	110			M2
L43711-02DUP	DUP	04/22/18 14:31			1.24	1.296	mg/L				4	20	
WG445835LFB2	LFB	04/22/18 15:49	WC171227-7	4.99		4.976	mg/L	100	90	110			
L43728-03AS	AS	04/22/18 16:05	WC171227-7	4.99	.15	4.696	mg/L	91	90	110			
L43728-03DUP	DUP	04/22/18 16:13			.15	.199	mg/L				28	20	RA

Lead, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG446193													
WG446193ICV	ICV	04/26/18 19:16	MS180423-2	.05		.05438	mg/L	109	90	110			
WG446193ICB	ICB	04/26/18 19:18				U	mg/L		-0.0003	0.0003			
WG446193LFB	LFB	04/26/18 19:21	MS180330-2	.0496		.04707	mg/L	95	85	115			
L43638-02AS	AS	04/26/18 19:37	MS180330-2	.0496	U	.04625	mg/L	93	70	130			
L43638-02ASD	ASD	04/26/18 19:40	MS180330-2	.0496	U	.04564	mg/L	92	70	130	1	20	
L43728-07AS	AS	04/26/18 20:13	MS180330-2	.0992	U	.09794	mg/L	99	70	130			
L43728-07ASD	ASD	04/26/18 20:16	MS180330-2	.0992	U	.09544	mg/L	96	70	130	3	20	

Magnesium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG446280													
WG446280ICV	ICV	05/01/18 11:51	II180424-2	100		99.86	mg/L	100	95	105			
WG446280ICB	ICB	05/01/18 11:57				U	mg/L		-0.6	0.6			
WG446280LFB	LFB	05/01/18 12:09	II180413-3	49.96377		46.36	mg/L	93	85	115			
L43728-02AS	AS	05/01/18 12:21	II180413-3	49.96377	5.8	53.53	mg/L	96	85	115			
L43728-02ASD	ASD	05/01/18 12:24	II180413-3	49.96377	5.8	53.09	mg/L	95	85	115	1	20	

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Inorganic QC Summary

FMI Gold & Copper - Sierrita ACZ Project ID: ***L43728***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Molybdenum, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG446493													
WG446493ICV	ICV	05/02/18 13:58	II180424-2	2		2.051	mg/L	103	95	105			
WG446493ICB	ICB	05/02/18 14:04				U	mg/L		-0.06	0.06			
WG446493LFB	LFB	05/02/18 14:17	II180430-5	.5015		.534	mg/L	106	85	115			
L43728-02AS	AS	05/02/18 14:31	II180430-5	.5015	.03	.572	mg/L	108	85	115			
L43728-02ASD	ASD	05/02/18 14:34	II180430-5	.5015	.03	.574	mg/L	108	85	115	0	20	

Nickel, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG446193													
WG446193ICV	ICV	04/26/18 19:16	MS180423-2	.05		.0549	mg/L	110	90	110			
WG446193ICB	ICB	04/26/18 19:18				U	mg/L		-0.0018	0.0018			
WG446193LFB	LFB	04/26/18 19:21	MS180330-2	.0501		.04723	mg/L	94	85	115			
L43638-02AS	AS	04/26/18 19:37	MS180330-2	.0501	U	.04398	mg/L	88	70	130			
L43638-02ASD	ASD	04/26/18 19:40	MS180330-2	.0501	U	.04426	mg/L	88	70	130	1	20	
L43728-07AS	AS	04/26/18 20:13	MS180330-2	.1002	.005	.0926	mg/L	87	70	130			
L43728-07ASD	ASD	04/26/18 20:16	MS180330-2	.1002	.005	.0907	mg/L	86	70	130	2	20	

Nitrate/Nitrite as N M353.2 - H2SO4 preserved

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG445829													
WG445829LFB1	LFB	04/20/18 23:32	WI180103-12	2		2.021	mg/L	101	90	110			
L43725-04AS	AS	04/20/18 23:54	WI180103-12	2	.27	2.47	mg/L	110	90	110			
L43725-05DUP	DUP	04/20/18 23:57			.28	.278	mg/L				1	20	
WG445829LFB2	LFB	04/21/18 0:13	WI180103-12	2		2.022	mg/L	101	90	110			
L43728-07AS	AS	04/21/18 0:15	WI180103-12	2	.31	2.371	mg/L	103	90	110			
L43798-01DUP	DUP	04/21/18 0:18			.43	.429	mg/L				0	20	

Residue, Filterable (TDS) @180C SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG445366													
WG445366PBW	PBW	04/13/18 14:45				U	mg/L		-20	20			
WG445366LCSW	LCSW	04/13/18 14:46	PCN54741	260		276	mg/L	106	80	120			
L43728-07DUP	DUP	04/13/18 15:14			3210	3200	mg/L				0	10	

Selenium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG446193													
WG446193ICV	ICV	04/26/18 19:16	MS180423-2	.05		.05119	mg/L	102	90	110			
WG446193ICB	ICB	04/26/18 19:18				U	mg/L		-0.0003	0.0003			
WG446193LFB	LFB	04/26/18 19:21	MS180330-2	.05005		.04466	mg/L	89	85	115			
L43638-02AS	AS	04/26/18 19:37	MS180330-2	.05005	.0004	.04846	mg/L	96	70	130			
L43638-02ASD	ASD	04/26/18 19:40	MS180330-2	.05005	.0004	.04806	mg/L	95	70	130	1	20	
L43728-07AS	AS	04/26/18 20:13	MS180330-2	.1001	.0002	.10392	mg/L	104	70	130			
L43728-07ASD	ASD	04/26/18 20:16	MS180330-2	.1001	.0002	.10268	mg/L	102	70	130	1	20	

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Inorganic QC Summary

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L43728***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Sulfate D516-02/-07 - Turbidimetric

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG445602													
WG445602ICB	ICB	04/18/18 8:58				U	mg/L		-3	3			
WG445602ICV	ICV	04/18/18 8:58	WI180412-2	20		20.3	mg/L	102	90	110			
WG445602LFB	LFB	04/18/18 10:36	WI171212-5	10		9.9	mg/L	99	90	110			
L43728-06DUP	DUP	04/18/18 11:13			1830	1810	mg/L				1	20	
L43728-07AS	AS	04/18/18 11:14	SO4TURB50X	10	1860	1960	mg/L	1000	90	110			M3

Thallium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG446193													
WG446193ICV	ICV	04/26/18 19:16	MS180423-2	.05		.05389	mg/L	108	90	110			
WG446193ICB	ICB	04/26/18 19:18				U	mg/L		-0.0003	0.0003			
WG446193LFB	LFB	04/26/18 19:21	MS180330-2	.0501		.04657	mg/L	93	85	115			
L43638-02AS	AS	04/26/18 19:37	MS180330-2	.0501	U	.0462	mg/L	92	70	130			
L43638-02ASD	ASD	04/26/18 19:40	MS180330-2	.0501	U	.04534	mg/L	90	70	130	2	20	
L43728-07AS	AS	04/26/18 20:13	MS180330-2	.1002	U	.0971	mg/L	97	70	130			
L43728-07ASD	ASD	04/26/18 20:16	MS180330-2	.1002	U	.09622	mg/L	96	70	130	1	20	

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Inorganic Extended Qualifier Report

FMI Gold & Copper - Sierrita ACZ Project ID: ***L43728***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L43728-01	WG446280	Chromium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Copper, dissolved	M200.7 ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445835	Fluoride	SM4500F-C	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG446280	Magnesium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445602	Sulfate	D516-02/-07 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07 - Turbidimetric	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
L43728-02	WG446280	Chromium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Cobalt, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Copper, dissolved	M200.7 ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445835	Fluoride	SM4500F-C	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG446280	Magnesium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445602	Sulfate	D516-02/-07 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07 - Turbidimetric	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
L43728-03	WG446280	Chromium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Cobalt, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Copper, dissolved	M200.7 ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445835	Fluoride	SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG446280	Magnesium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445602	Sulfate	D516-02/-07 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07 - Turbidimetric	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Extended Qualifier Report

FMI Gold & Copper - Sierrita ACZ Project ID: ***L43728***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L43728-04	WG446280	Chromium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Cobalt, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Copper, dissolved	M200.7 ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445835	Fluoride	SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG446280	Magnesium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445602	Sulfate	D516-02/-07 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07 - Turbidimetric	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
L43728-05	WG446280	Chromium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Cobalt, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Copper, dissolved	M200.7 ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445835	Fluoride	SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG446280	Magnesium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445602	Sulfate	D516-02/-07 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07 - Turbidimetric	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.
L43728-06	WG446280	Chromium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Cobalt, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Copper, dissolved	M200.7 ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445835	Fluoride	SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG446280	Magnesium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445602	Sulfate	D516-02/-07 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07 - Turbidimetric	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Extended Qualifier Report

FMI Gold & Copper - Sierrita ACZ Project ID: ***L43728***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L43728-07	WG446280	Chromium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Cobalt, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Copper, dissolved	M200.7 ICP	M1	Matrix spike recovery was high, the recovery of the associated control sample (LCS or LFB) was acceptable.
			M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445835	Fluoride	SM4500F-C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG446280	Magnesium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG445602	Sulfate	D516-02/-07 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07 - Turbidimetric	ZU	Analysis date/time preceeds filter date/time. A portion of sample was filtered and analyzed prior to the creation of a Filter workgroup.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Certification Qualifiers

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L43728***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L43728
Date Received: 04/13/2018 08:38
Received By:
Date Printed: 4/16/2018

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?		X	

L43728-05 Container B1969844 (RAW): The ID on the sample label is MH-28, and on the COC the ID is MH-29. The sample ID was entered per the COC.

L43728-05 Container B1969845 (WHITE): The ID on the sample label is MH-28, and on the COC the ID is MH-29. The sample ID was entered per the COC.

L43728-05 Container B1969846 (GREEN PC): The ID on the sample label is MH-28, and on the COC the ID is MH-29. The sample ID was entered per the COC.

L43728-05 Container B1969847 (YELLOW): The ID on the sample label is MH-28, and on the COC the ID is MH-29. The sample ID was entered per the COC.

11) For preserved bottle types, was the pH checked and within limits? [1]	X		
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L43728
Date Received: 04/13/2018 08:38
Received By:
Date Printed: 4/16/2018

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
5117	0.6	<=6.0	11	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc. L43728

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: Jeff Joy	Address: 6200 W. Duval Mine Road
Company: Freeport-McMoRan Sierrita	Green Valley, AZ 85614
E-mail: jeff_joy@fmi.com	Telephone: 520-393-2269

Copy of Report to:

Name: Bill Hart & Billy Dorris	E-mail: whart@fmi.com & bdorris@fmi.com
Company:	Telephone:

Invoice to:

Name:	Address:
Company:	
E-mail:	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES [ ] NO [ ]
If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES [ ] NO [x]
If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #:
Project/PO #: ZS0000079
Reporting state for compliance testing:
Sampler's Name: Jeff Joy
Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	Quarterly							
MH-27	4/9/18 : 1215	GW	4	x							
MH-20	4/9/18 : 1335	GW	4	x							
MH-28	4/10/18 : 0831	GW	4	x							
MH-14	4/10/18 : 1240	GW	4	x							
MH-29	4/10/18 : 1345	GW	4	x							
MH-15W	4/11/18 : 1050	GW	4	x							
MH-16W	4/11/18 : 1240	GW	4	x							

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

UPS Tracking # 1Z 867 7E4 23 1001 402 8
Please include copy of report to whart@fmi.com and bdorris@fmi.com
Copy of report to Ben Daigneau contains only "SO4" results with QC Summary for wells MH-14, MH-28, MH-29, MH-15W and MH-16W

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Jeff Joy	4/12/18 : 1530		4.13.18 08:38

FRMAD050.01.15.09 White - Return with sample. Yellow - Retain for your records.

L43728 Chain of Custody

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

September 13, 2018

Report to:
Jeff Joy
FMI Gold & Copper - Sierrita
6200 W. Duval Mine Road
Green Valley, AZ 85614

CC: Ben Daigneau

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

Project ID: ZS0000079 - SULFATE ONLY
ACZ Project ID: L46161

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on August 10, 2018. This project has been assigned to ACZ's project number, L46161. Please reference this number in all future inquiries.

At the request of Phelps Dodge Sierrita, Inc. (PDSI), this laboratory report has been prepared to contain only information specific to samples and analytes identified by PDSI as evaluated pursuant to Mitigation Order No. P-500-06 with Arizona Department of Environmental Quality. Samples and analytes unrelated to the Mitigation Order, but which may be identified on the chain of custody and sample receipt, have been reported to PDSI in a separate report.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L46161. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after October 13, 2018. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

ACCREDITED IN ACCORDANCE WITH nelac
ACIL

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-29

ACZ Sample ID: ***L46161-01***
Date Sampled: *08/07/18 10:34*
Date Received: *08/10/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	100	2020		*	mg/L	100	500	08/20/18 11:34	las

Arizona license number: AZ0102

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
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Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-21

ACZ Sample ID: ***L46161-02***
Date Sampled: *08/08/18 06:15*
Date Received: *08/10/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	1180		*	mg/L	50	250	08/20/18 11:23	las

Arizona license number: AZ0102

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
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Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-18

ACZ Sample ID: ***L46161-03***
Date Sampled: *08/08/18 07:12*
Date Received: *08/10/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	922		*	mg/L	50	250	08/20/18 11:23	las

Arizona license number: AZ0102

** Please refer to Qualifier Reports for details.*

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Reference

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click: http://www.acz.com/public/extquallist.pdf

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic QC Summary

FMI Gold & Copper - Sierrita ACZ Project ID: ***L46161***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Antimony, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454873													
WG454873ICV	ICV	08/24/18 22:18	MS180730-1	.02		.01992	mg/L	100	90	110			
WG454873ICB	ICB	08/24/18 22:21				U	mg/L		-0.00088	0.00088			
WG454873LFB	LFB	08/24/18 22:25	MS180806-8	.01		.00928	mg/L	93	85	115			
L46162-01AS	AS	08/24/18 22:41	MS180806-8	.01	U	.00865	mg/L	87	70	130			
L46162-01ASD	ASD	08/24/18 22:44	MS180806-8	.01	U	.00889	mg/L	89	70	130	3	20	

Arsenic, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454873													
WG454873ICV	ICV	08/24/18 22:18	MS180730-1	.05		.04918	mg/L	98	90	110			
WG454873ICB	ICB	08/24/18 22:21				U	mg/L		-0.00044	0.00044			
WG454873LFB	LFB	08/24/18 22:25	MS180806-8	.0501		.04705	mg/L	94	85	115			
L46162-01AS	AS	08/24/18 22:41	MS180806-8	.0501	.0048	.0547	mg/L	100	70	130			
L46162-01ASD	ASD	08/24/18 22:44	MS180806-8	.0501	.0048	.05486	mg/L	100	70	130	0	20	

Beryllium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454873													
WG454873ICV	ICV	08/24/18 22:18	MS180730-1	.05		.04782	mg/L	96	90	110			
WG454873ICB	ICB	08/24/18 22:21				.00009	mg/L		-0.00011	0.00011			
WG454873LFB	LFB	08/24/18 22:25	MS180806-8	.05035		.04522	mg/L	90	85	115			
L46162-01AS	AS	08/24/18 22:41	MS180806-8	.05035	U	.04088	mg/L	81	70	130			
L46162-01ASD	ASD	08/24/18 22:44	MS180806-8	.05035	U	.04042	mg/L	80	70	130	1	20	

Cadmium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454873													
WG454873ICV	ICV	08/24/18 22:18	MS180730-1	.05		.05049	mg/L	101	90	110			
WG454873ICB	ICB	08/24/18 22:21				U	mg/L		-0.00022	0.00022			
WG454873LFB	LFB	08/24/18 22:25	MS180806-8	.05005		.04625	mg/L	92	85	115			
L46162-01AS	AS	08/24/18 22:41	MS180806-8	.05005	U	.04753	mg/L	95	70	130			
L46162-01ASD	ASD	08/24/18 22:44	MS180806-8	.05005	U	.04707	mg/L	94	70	130	1	20	

Chromium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454743													
WG454743ICV	ICV	08/23/18 19:28	II180727-1	2		1.974	mg/L	99	95	105			
WG454743ICB	ICB	08/23/18 19:34				U	mg/L		-0.03	0.03			
WG454743LFB	LFB	08/23/18 19:48	II180809-4	.5		.521	mg/L	104	85	115			
L46156-02AS	AS	08/23/18 19:57	II180809-4	.5	U	.521	mg/L	104	85	115			
L46156-02ASD	ASD	08/23/18 20:01	II180809-4	.5	U	.517	mg/L	103	85	115	1	20	
L46164-05AS	AS	08/23/18 20:56	II180809-4	.5	U	.514	mg/L	103	85	115			
L46164-05ASD	ASD	08/23/18 21:06	II180809-4	.5	U	.522	mg/L	104	85	115	2	20	

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic QC Summary

FMI Gold & Copper - Sierrita ACZ Project ID: ***L46161***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Cobalt, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454846													
WG454846ICV	ICV	08/24/18 19:45	II180727-1	2.002		1.912	mg/L	96	95	105			
WG454846ICB	ICB	08/24/18 19:51				U	mg/L		-0.03	0.03			
WG454846LFB	LFB	08/24/18 20:03	II180809-4	.501		.511	mg/L	102	85	115			
L46156-02AS	AS	08/24/18 20:12	II180809-4	.501	U	.521	mg/L	104	85	115			
L46156-02ASD	ASD	08/24/18 20:15	II180809-4	.501	U	.515	mg/L	103	85	115	1	20	

Copper, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454743													
WG454743ICV	ICV	08/23/18 19:28	II180727-1	2		1.982	mg/L	99	95	105			
WG454743ICB	ICB	08/23/18 19:34				U	mg/L		-0.03	0.03			
WG454743LFB	LFB	08/23/18 19:48	II180809-4	.4975		.501	mg/L	101	85	115			
L46156-02AS	AS	08/23/18 19:57	II180809-4	.4975	U	.522	mg/L	105	85	115			
L46156-02ASD	ASD	08/23/18 20:01	II180809-4	.4975	U	.52	mg/L	105	85	115	0	20	
L46164-05AS	AS	08/23/18 20:56	II180809-4	.4975	U	.517	mg/L	104	85	115			
L46164-05ASD	ASD	08/23/18 21:06	II180809-4	.4975	U	.526	mg/L	106	85	115	2	20	

Fluoride SM4500F-C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454490													
WG454490ICV	ICV	08/17/18 8:30	WC180809-1	1.996		2.089	mg/L	105	90	110			
WG454490ICB	ICB	08/17/18 8:38				U	mg/L		-0.15	0.15			
WG454326													
WG454326ICV	ICV	08/17/18 16:55	WC180809-1	1.996		2.002	mg/L	100	90	110			
WG454326ICB	ICB	08/17/18 17:03				U	mg/L		-0.15	0.15			
WG454326LFB1	LFB	08/17/18 17:10	WC180508-10	5.015		5.071	mg/L	101	90	110			
L45961-03AS	AS	08/17/18 18:18	WC180508-10	5.015	.1	5.047	mg/L	99	90	110			
L45961-03ASD	ASD	08/17/18 18:21	WC180508-10	5.015	.1	5	mg/L	98	90	110	1	20	
L46156-03AS	AS	08/17/18 19:28	WC180508-10	5.015	1.82	6.162	mg/L	87	90	110			M2
L46156-03ASD	ASD	08/17/18 19:36	WC180508-10	5.015	1.82	6.2	mg/L	87	90	110	1	20	M2
WG454326LFB2	LFB	08/17/18 19:41	WC180508-10	5.015		5.023	mg/L	100	90	110			

Lead, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454873													
WG454873ICV	ICV	08/24/18 22:18	MS180730-1	.05		.04915	mg/L	98	90	110			
WG454873ICB	ICB	08/24/18 22:21				U	mg/L		-0.00022	0.00022			
WG454873LFB	LFB	08/24/18 22:25	MS180806-8	.0496		.04499	mg/L	91	85	115			
L46162-01AS	AS	08/24/18 22:41	MS180806-8	.0496	U	.0481	mg/L	97	70	130			
L46162-01ASD	ASD	08/24/18 22:44	MS180806-8	.0496	U	.04812	mg/L	97	70	130	0	20	

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic QC Summary

FMI Gold & Copper - Sierrita ACZ Project ID: ***L46161***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Magnesium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454743													
WG454743ICV	ICV	08/23/18 19:28	II180727-1	100		101.9	mg/L	102	95	105			
WG454743ICB	ICB	08/23/18 19:34				U	mg/L		-0.6	0.6			
WG454743LFB	LFB	08/23/18 19:48	II180809-4	50.2933		47.6	mg/L	95	85	115			
L46156-02AS	AS	08/23/18 19:57	II180809-4	50.2933	10	57.97	mg/L	95	85	115			
L46156-02ASD	ASD	08/23/18 20:01	II180809-4	50.2933	10	57.42	mg/L	94	85	115	1	20	
L46164-05AS	AS	08/23/18 20:56	II180809-4	50.2933	5.6	53.95	mg/L	96	85	115			
L46164-05ASD	ASD	08/23/18 21:06	II180809-4	50.2933	5.6	54.77	mg/L	98	85	115	2	20	

Molybdenum, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454743													
WG454743ICV	ICV	08/23/18 19:28	II180727-1	2		2.068	mg/L	103	95	105			
WG454743ICB	ICB	08/23/18 19:34				U	mg/L		-0.06	0.06			
WG454743LFB	LFB	08/23/18 19:48	II180809-4	.5015		.509	mg/L	101	85	115			
L46156-02AS	AS	08/23/18 19:57	II180809-4	.5015	U	.52	mg/L	104	85	115			
L46156-02ASD	ASD	08/23/18 20:01	II180809-4	.5015	U	.499	mg/L	100	85	115	4	20	
L46164-05AS	AS	08/23/18 20:56	II180809-4	.5015	.04	.528	mg/L	97	85	115			
L46164-05ASD	ASD	08/23/18 21:06	II180809-4	.5015	.04	.54	mg/L	100	85	115	2	20	

Nickel, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454873													
WG454873ICV	ICV	08/24/18 22:18	MS180730-1	.05		.05148	mg/L	103	90	110			
WG454873ICB	ICB	08/24/18 22:21				U	mg/L		-0.00132	0.00132			
WG454873LFB	LFB	08/24/18 22:25	MS180806-8	.0501		.04796	mg/L	96	85	115			
L46162-01AS	AS	08/24/18 22:41	MS180806-8	.0501	.001	.04504	mg/L	88	70	130			
L46162-01ASD	ASD	08/24/18 22:44	MS180806-8	.0501	.001	.04508	mg/L	88	70	130	0	20	

Nitrate/Nitrite as N M353.2 - H2SO4 preserved

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454581													
WG454581ICV	ICV	08/21/18 21:43	WI180602-1	2.416		2.374	mg/L	98	90	110			
WG454581ICB	ICB	08/21/18 21:44				U	mg/L		-0.02	0.02			
WG454585													
WG454585LFB1	LFB	08/22/18 0:27	WI180703-7	2		1.957	mg/L	98	90	110			
L46078-05AS	AS	08/22/18 0:30	WI180703-7	2	.02	2.12	mg/L	105	90	110			
L46078-06DUP	DUP	08/22/18 0:33			.06	.075	mg/L				22	20	RA
WG454585LFB2	LFB	08/22/18 1:08	WI180703-7	2		1.979	mg/L	99	90	110			

Residue, Filterable (TDS) @180C SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG453813													
WG453813PBW	PBW	08/11/18 9:15				U	mg/L		-20	20			
WG453813LCSW	LCSW	08/11/18 9:18	PCN56037	260		266	mg/L	102	80	120			
L46165-04DUP	DUP	08/11/18 10:02			658	640	mg/L				3	10	

ACZ Laboratories, Inc.
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Inorganic QC Summary

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L46161***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Selenium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454873													
WG454873ICV	ICV	08/24/18 22:18	MS180730-1	.05		.05142	mg/L	103	90	110			
WG454873ICB	ICB	08/24/18 22:21				.00019	mg/L		-0.00022	0.00022			
WG454873LFB	LFB	08/24/18 22:25	MS180806-8	.05005		.04619	mg/L	92	85	115			
L46162-01AS	AS	08/24/18 22:41	MS180806-8	.05005	.0037	.05126	mg/L	95	70	130			
L46162-01ASD	ASD	08/24/18 22:44	MS180806-8	.05005	.0037	.05259	mg/L	98	70	130	3	20	
WG454954													
WG454954ICV	ICV	08/27/18 16:47	MS180730-1	.05		.05046	mg/L	101	90	110			
WG454954ICB	ICB	08/27/18 16:49				U	mg/L		-0.00022	0.00022			
WG454954LFB	LFB	08/27/18 16:51	MS180806-8	.05005		.04881	mg/L	98	85	115			
L46164-01AS	AS	08/27/18 16:58	MS180806-8	.05005	.0001	.05009	mg/L	100	70	130			
L46164-01ASD	ASD	08/27/18 17:00	MS180806-8	.05005	.0001	.04837	mg/L	96	70	130	3	20	

Sulfate D516-02/-07 - Turbidimetric

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454404													
WG454404ICB	ICB	08/20/18 10:39				U	mg/L		-3	3			
WG454404ICV	ICV	08/20/18 10:39	WI180809-9	20		19.3	mg/L	97	90	110			
WG454404LFB	LFB	08/20/18 11:12	WI180726-1	10		9.6	mg/L	96	90	110			
L46188-01DUP	DUP	08/20/18 11:39			U	U	mg/L				0	20	RA
L46188-02AS	AS	08/20/18 11:40	SO4TURB50X	10	1060	1020	mg/L	-400	90	110			M3

Thallium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454873													
WG454873ICV	ICV	08/24/18 22:18	MS180730-1	.05		.0508	mg/L	102	90	110			
WG454873ICB	ICB	08/24/18 22:21				U	mg/L		-0.00022	0.00022			
WG454873LFB	LFB	08/24/18 22:25	MS180806-8	.0501		.04597	mg/L	92	85	115			
L46162-01AS	AS	08/24/18 22:41	MS180806-8	.0501	U	.04957	mg/L	99	70	130			
L46162-01ASD	ASD	08/24/18 22:44	MS180806-8	.0501	U	.04947	mg/L	99	70	130	0	20	

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Inorganic Extended Qualifier Report

FMI Gold & Copper - Sierrita ACZ Project ID: ***L46161***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L46161-01	WG454585	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG454404	Sulfate	D516-02/-07 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07 - Turbidimetric	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L46161-02	WG454326	Fluoride	SM4500F-C	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG454585	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG454404	Sulfate	D516-02/-07 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07 - Turbidimetric	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L46161-03	WG454326	Fluoride	SM4500F-C	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG454585	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG454873	Selenium, dissolved	M200.8 ICP-MS	BB	Target analyte detected in calibration blank at or above acceptance limit. Sample value was > 10X the concentration in the calibration blank.
	WG454404	Sulfate	D516-02/-07 - Turbidimetric	M3	The spike recovery value is unusable since the analyte concentration in the sample is disproportionate to the spike level. The recovery of the associated control sample (LCS or LFB) was acceptable.
			D516-02/-07 - Turbidimetric	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

ACZ Laboratories, Inc.
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Certification Qualifiers

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L46161***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L46161
Date Received: 08/10/2018 10:50
Received By:
Date Printed: 8/13/2018

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]	X		
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
NA28891	3.3	<=6.0	14	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
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Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L46161
Date Received: 08/10/2018 10:50
Received By:
Date Printed: 8/13/2018

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc.

L46161

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: Jeff Joy	Address: 6200 W. Duval Mine Road
Company: Freeport-McMoRan Sierrita	Green Valley, AZ 85614
E-mail: jjoy@fmi.com	Telephone: 520-393-2269

Copy of Report to:

Name: Bill Hart & Billy Dorris	E-mail: whart@fmi.com & bdorris@fmi.com
Company:	Telephone: 520-393-2625

Invoice to:

Name:	Address:
Company:	
E-mail:	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES [ ] NO [ ]

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES [ ] NO [x]

If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #:

Project/PO #: ZS0000079

Reporting state for compliance testing:

Sampler's Name: Jeff Joy

Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	Quarterly
MH-29	8/7/18 : 1034	GW	4	x
MH-21	8/8/18 : 0615	GW	4	x
MH-18	8/8/18 : 0712	GW	4	x

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

POC page 1 of 1 COOLER 2

UPS Tracking # 1Z 867 7E4 22 1000 386 3

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Jeff Joy	8/9/18 : 1530	BCE	8/10/18 0850

L46161 Chain of Custod

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

August 23, 2018

Report to:
Jeff Joy
FMI Gold & Copper - Sierrita
6200 W. Duval Mine Road
Green Valley, AZ 85614

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

cc: Ben Daigneau, Bill Dorris, William Hart

Project ID: ZS0000079
ACZ Project ID: L46163

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on August 10, 2018. This project has been assigned to ACZ's project number, L46163. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L46163. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after September 22, 2018. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: CW-6

ACZ Sample ID: ***L46163-01***
Date Sampled: *08/07/18 07:23*
Date Received: *08/10/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	77.3			mg/L	0.4	2	08/20/18 15:17	mss2

Arizona license number: AZ0102

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: CW-10

ACZ Sample ID: ***L46163-02***
Date Sampled: *08/07/18 07:54*
Date Received: *08/10/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	44.4			mg/L	0.4	2	08/20/18 15:53	mss2

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: CW-9

ACZ Sample ID: ***L46163-03***
Date Sampled: *08/07/18 08:48*
Date Received: *08/10/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	50.5			mg/L	0.4	2	08/20/18 16:11	mss2

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MO-2007-3C

ACZ Sample ID: ***L46163-04***
Date Sampled: *08/08/18 10:39*
Date Received: *08/10/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	39.3			mg/L	0.4	2	08/20/18 16:29	mss2

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MO-2007-3B

ACZ Sample ID: ***L46163-05***
Date Sampled: *08/08/18 12:24*
Date Received: *08/10/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	39.0			mg/L	0.4	2	08/20/18 16:47	mss2

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MO-2009-1

ACZ Sample ID: ***L46163-06***
Date Sampled: *08/08/18 14:02*
Date Received: *08/10/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	66.7			mg/L	0.4	2	08/20/18 17:41	mss2

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MO-2007-4C

ACZ Sample ID: ***L46163-07***
Date Sampled: *08/09/18 08:42*
Date Received: *08/10/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	56.4			mg/L	0.4	2	08/20/18 17:59	mss2

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MO-2007-4B

ACZ Sample ID: ***L46163-08***
Date Sampled: *08/09/18 10:32*
Date Received: *08/10/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	7.85			mg/L	0.4	2	08/20/18 18:16	mss2

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MO-2007-4A

ACZ Sample ID: ***L46163-09***
Date Sampled: *08/09/18 11:11*
Date Received: *08/10/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	35.2			mg/L	0.4	2	08/20/18 18:34	mss2

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: DUP20180807A

ACZ Sample ID: ***L46163-10***
Date Sampled: *08/07/18 00:00*
Date Received: *08/10/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	50.1			mg/L	0.4	2	08/20/18 18:52	mss2

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: EQB20180807A

ACZ Sample ID: ***L46163-11***
Date Sampled: *08/07/18 00:00*
Date Received: *08/10/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1		U		mg/L	0.4	2	08/20/18 19:28	mss2

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: FB20180807A

ACZ Sample ID: ***L46163-12***
Date Sampled: *08/07/18 00:00*
Date Received: *08/10/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1		U		mg/L	0.4	2	08/20/18 20:04	mss2

Arizona license number: AZ0102

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click: http://www.acz.com/public/extquallist.pdf

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L46163***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG450931													
WG450931ICV	ICV	07/03/18 18:17	WI180625-3	50		50.5	mg/L	101	90	110			
WG450931ICB	ICB	07/03/18 18:35				U	mg/L		-0.4	0.4			
WG454372													
WG454372LFB1	LFB	08/20/18 14:24	WI180430-12	30		30.4	mg/L	101	90	110			
L46045-01DUP	DUP	08/20/18 14:59			1840	1840	mg/L				0	20	
L46163-01AS	AS	08/20/18 15:35	WI180430-12	30	77.3	107	mg/L	99	90	110			
L46163-10DUP	DUP	08/20/18 19:10			50.1	50.2	mg/L				0	20	
L46163-11AS	AS	08/20/18 19:46	WI180430-12	30	U	30.5	mg/L	102	90	110			
WG454372LFB2	LFB	08/20/18 23:03	WI180430-12	30		30.2	mg/L	101	90	110			

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Extended Qualifier Report

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L46163***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION

No extended qualifiers associated with this analysis

Certification Qualifiers

FMI Gold & Copper - Sierrita ACZ Project ID: ***L46163***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L46163
Date Received: 08/10/2018 10:50
Received By:
Date Printed: 8/13/2018

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]			X
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
NA28891	3.3	<=6.0	14	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
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Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L46163
Date Received: 08/10/2018 10:50
Received By:
Date Printed: 8/13/2018

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc. L46163

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: Jeff_Joy	Address: 6200 W. Duval Mine Road
Company: Freeport-McMoRan Sierrita Inc.	Green Valley, AZ 85614
E-mail: jjoy@fmi.com	Telephone: 520-393-2269

Copy of Report to:

Name: Ben Daigneau	E-mail: bdaigneau@clearcreekassociates.com
Company: Clear Creek Associates	Telephone: 520-622-3222

Invoice to:

Name:	Address:
Company:	
E-mail:	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES [ ] NO [ ]
If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES [ ] NO [X]
If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #:
Project/PO #: ZS0000079
Reporting state for compliance testing:
Sampler's Name: Jeff Joy
Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	SO4 by EPA 300 or EPA 375
CW-6	8/7/18 : 0723	GW	1	X
CW-10	8/7/18 : 0754	GW	1	X
CW-9	8/7/18 : 0848	GW	1	X
MO-2007-3C	8/8/18 : 1039	GW	1	X
MO-2007-3B	8/8/18 : 1224	GW	1	X
MO-2009-1	8/8/18 : 1402	GW	1	X
MO-2007-4C	8/9/18 : 0842	GW	1	X
MO-2007-4B	8/9/18 : 1032	GW	1	X
MO-2007-4A	8/9/18 : 1111	GW	1	X
DUP20180807A	8/7/18 : 0000	GW	1	X

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Sulfates Page 1 of 2 - COOLER 2
Copy of report to Ben Daigneau contains only "SO4" results with QC Summary.
Please include copy of report to whart@fmi.com and bdorris@fmi.com 520-393-2625
UPS Tracking #1Z 867 7E4 22 1000 386 3

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Jeff Joy	8/9/18 : 1530		8/10/18 10:50

L46163 Chain of Custod

FRMAD050.01.15.09 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc. L46163

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: Jeff_Joy	Address: 6200 W. Duval Mine Road
Company: Freeport-McMoRan Sierrita Inc.	Green Valley, AZ 85614
E-mail: jjoy@fmi.com	Telephone: 520-393-2269

Copy of Report to:

Name: Ben Daigneau	E-mail: bdaigneau@clearcreekassociates.com
Company: Clear Creek Associates	Telephone: 520-622-3222

Invoice to:

Name:	Address:
Company:	
E-mail:	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES [ ] NO [ ]

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES [ ] NO [x]

If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #:

Project/PO #: ZS0000079

Reporting state for compliance testing:

Sampler's Name: Jeff Joy

Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	SO4 by EPA 300 or EPA 375							
EQB20180807A	8/7/18 : 0000	GW	1	x							
FB20180807A	8/7/18 : 0000	GW	1	x							

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Sulfates Page 2 of 2 - COOLER 2

Copy of report to Ben Daigneau contains only "SO4" results with QC Summary.

Please include copy of report to whart@fmi.com and bdorris@fmi.com 520-393-2625

UPS Tracking #1Z 867 7E4 22 1000 386 3

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Jeff Joy	8/9/18 : 1530		8/10/18 10:50

FRMAD050.01.15.09 White - Return with sample. Yellow - Retain for your records.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

September 13, 2018

Report to:
Jeff Joy
FMI Gold & Copper - Sierrita
6200 W. Duval Mine Road
Green Valley, AZ 85614

CC: Ben Daigneau

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

Project ID: ZS0000079 - SULFATE ONLY
ACZ Project ID: L46164

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on August 10, 2018. This project has been assigned to ACZ's project number, L46164. Please reference this number in all future inquiries.

At the request of Phelps Dodge Sierrita, Inc. (PDSI), this laboratory report has been prepared to contain only information specific to samples and analytes identified by PDSI as evaluated pursuant to Mitigation Order No. P-500-06 with Arizona Department of Environmental Quality. Samples and analytes unrelated to the Mitigation Order, but which may be identified on the chain of custody and sample receipt, have been reported to PDSI in a separate report.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L46164. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after October 13, 2018. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

ACCREDITED IN ACCORDANCE WITH nelac
ACIL

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-20

ACZ Sample ID: ***L46164-01***
Date Sampled: *08/06/18 11:57*
Date Received: *08/10/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	581			mg/L	50	250	08/20/18 12:13	las

Arizona license number: AZ0102

ACZ Laboratories, Inc.
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Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-27

ACZ Sample ID: ***L46164-02***
Date Sampled: *08/06/18 13:00*
Date Received: *08/10/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	1120			mg/L	50	250	08/20/18 12:13	las

Arizona license number: AZ0102

ACZ Laboratories, Inc.
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Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-23

ACZ Sample ID: ***L46164-03***
Date Sampled: *08/07/18 09:53*
Date Received: *08/10/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	1920			mg/L	50	250	08/20/18 12:13	las

Arizona license number: AZ0102

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-28

ACZ Sample ID: ***L46164-04***
Date Sampled: *08/07/18 10:15*
Date Received: *08/10/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	1970			mg/L	50	250	08/20/18 12:13	las

Arizona license number: AZ0102

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: DUP20180806A

ACZ Sample ID: ***L46164-05***
Date Sampled: *08/06/18 00:00*
Date Received: *08/10/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	504			mg/L	50	250	08/20/18 12:14	las

Arizona license number: AZ0102

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: EQB20180806A

ACZ Sample ID: ***L46164-06***
Date Sampled: *08/06/18 00:00*
Date Received: *08/10/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	1	7.3			mg/L	1	5	08/20/18 12:05	las

Arizona license number: AZ0102

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: FB20180806A

ACZ Sample ID: ***L46164-07***
Date Sampled: *08/06/18 00:00*
Date Received: *08/10/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	1	1.7	B		mg/L	1	5	08/20/18 12:05	las

Arizona license number: AZ0102

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Reference

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click: http://www.acz.com/public/extquallist.pdf

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic QC Summary

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L46164***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Antimony, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454873													
WG454873ICV	ICV	08/24/18 22:18	MS180730-1	.02		.01992	mg/L	100	90	110			
WG454873ICB	ICB	08/24/18 22:21				U	mg/L		-0.00088	0.00088			
WG454873LFB	LFB	08/24/18 22:25	MS180806-8	.01		.00928	mg/L	93	85	115			
L46162-01AS	AS	08/24/18 22:41	MS180806-8	.01	U	.00865	mg/L	87	70	130			
L46162-01ASD	ASD	08/24/18 22:44	MS180806-8	.01	U	.00889	mg/L	89	70	130	3	20	
L46168-02AS	AS	08/24/18 23:23	MS180806-8	.01	.0007	.00948	mg/L	88	70	130			
L46168-02ASD	ASD	08/24/18 23:26	MS180806-8	.01	.0007	.0096	mg/L	89	70	130	1	20	

Arsenic, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454873													
WG454873ICV	ICV	08/24/18 22:18	MS180730-1	.05		.04918	mg/L	98	90	110			
WG454873ICB	ICB	08/24/18 22:21				U	mg/L		-0.00044	0.00044			
WG454873LFB	LFB	08/24/18 22:25	MS180806-8	.0501		.04705	mg/L	94	85	115			
L46162-01AS	AS	08/24/18 22:41	MS180806-8	.0501	.0048	.0547	mg/L	100	70	130			
L46162-01ASD	ASD	08/24/18 22:44	MS180806-8	.0501	.0048	.05486	mg/L	100	70	130	0	20	
L46168-02AS	AS	08/24/18 23:23	MS180806-8	.0501	U	.05124	mg/L	102	70	130			
L46168-02ASD	ASD	08/24/18 23:26	MS180806-8	.0501	U	.05007	mg/L	100	70	130	2	20	

Beryllium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454873													
WG454873ICV	ICV	08/24/18 22:18	MS180730-1	.05		.04782	mg/L	96	90	110			
WG454873ICB	ICB	08/24/18 22:21				.00009	mg/L		-0.00011	0.00011			
WG454873LFB	LFB	08/24/18 22:25	MS180806-8	.05035		.04522	mg/L	90	85	115			
L46162-01AS	AS	08/24/18 22:41	MS180806-8	.05035	U	.04088	mg/L	81	70	130			
L46162-01ASD	ASD	08/24/18 22:44	MS180806-8	.05035	U	.04042	mg/L	80	70	130	1	20	
L46168-02AS	AS	08/24/18 23:23	MS180806-8	.05035	U	.04428	mg/L	88	70	130			
L46168-02ASD	ASD	08/24/18 23:26	MS180806-8	.05035	U	.04468	mg/L	89	70	130	1	20	

Cadmium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454873													
WG454873ICV	ICV	08/24/18 22:18	MS180730-1	.05		.05049	mg/L	101	90	110			
WG454873ICB	ICB	08/24/18 22:21				U	mg/L		-0.00022	0.00022			
WG454873LFB	LFB	08/24/18 22:25	MS180806-8	.05005		.04625	mg/L	92	85	115			
L46162-01AS	AS	08/24/18 22:41	MS180806-8	.05005	U	.04753	mg/L	95	70	130			
L46162-01ASD	ASD	08/24/18 22:44	MS180806-8	.05005	U	.04707	mg/L	94	70	130	1	20	
L46168-02AS	AS	08/24/18 23:23	MS180806-8	.05005	.0004	.04966	mg/L	98	70	130			
L46168-02ASD	ASD	08/24/18 23:26	MS180806-8	.05005	.0004	.05018	mg/L	99	70	130	1	20	

ACZ Laboratories, Inc.
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Inorganic QC Summary

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L46164***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Chromium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454743													
WG454743ICV	ICV	08/23/18 19:28	II180727-1	2		1.974	mg/L	99	95	105			
WG454743ICB	ICB	08/23/18 19:34				U	mg/L		-0.03	0.03			
WG454743LFB	LFB	08/23/18 19:48	II180809-4	.5		.521	mg/L	104	85	115			
L46164-05AS	AS	08/23/18 20:56	II180809-4	.5	U	.514	mg/L	103	85	115			
L46164-05ASD	ASD	08/23/18 21:06	II180809-4	.5	U	.522	mg/L	104	85	115	2	20	

Cobalt, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454846													
WG454846ICV	ICV	08/24/18 19:45	II180727-1	2.002		1.912	mg/L	96	95	105			
WG454846ICB	ICB	08/24/18 19:51				U	mg/L		-0.03	0.03			
WG454846LFB	LFB	08/24/18 20:03	II180809-4	.501		.511	mg/L	102	85	115			
L46156-02AS	AS	08/24/18 20:12	II180809-4	.501	U	.521	mg/L	104	85	115			
L46156-02ASD	ASD	08/24/18 20:15	II180809-4	.501	U	.515	mg/L	103	85	115	1	20	
L46164-05AS	AS	08/24/18 20:52	II180809-4	.501	U	.504	mg/L	101	85	115			
L46164-05ASD	ASD	08/24/18 20:56	II180809-4	.501	U	.51	mg/L	102	85	115	1	20	

Copper, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454743													
WG454743ICV	ICV	08/23/18 19:28	II180727-1	2		1.982	mg/L	99	95	105			
WG454743ICB	ICB	08/23/18 19:34				U	mg/L		-0.03	0.03			
WG454743LFB	LFB	08/23/18 19:48	II180809-4	.4975		.501	mg/L	101	85	115			
L46164-05AS	AS	08/23/18 20:56	II180809-4	.4975	U	.517	mg/L	104	85	115			
L46164-05ASD	ASD	08/23/18 21:06	II180809-4	.4975	U	.526	mg/L	106	85	115	2	20	

Fluoride SM4500F-C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454490													
WG454490ICV	ICV	08/17/18 8:30	WC180809-1	1.996		2.089	mg/L	105	90	110			
WG454490ICB	ICB	08/17/18 8:38				U	mg/L		-0.15	0.15			
WG454326													
WG454326ICV	ICV	08/17/18 16:55	WC180809-1	1.996		2.002	mg/L	100	90	110			
WG454326ICB	ICB	08/17/18 17:03				U	mg/L		-0.15	0.15			
WG454326LFB1	LFB	08/17/18 17:10	WC180508-10	5.015		5.071	mg/L	101	90	110			
L46156-03AS	AS	08/17/18 19:28	WC180508-10	5.015	1.82	6.162	mg/L	87	90	110			M2
L46156-03ASD	ASD	08/17/18 19:36	WC180508-10	5.015	1.82	6.2	mg/L	87	90	110	1	20	M2
WG454326LFB2	LFB	08/17/18 19:41	WC180508-10	5.015		5.023	mg/L	100	90	110			
L46236-12AS	AS	08/17/18 22:19	WC180508-10	5.015	.16	5.12	mg/L	99	90	110			
L46236-12ASD	ASD	08/17/18 22:22	WC180508-10	5.015	.16	5.1	mg/L	99	90	110	0	20	

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Inorganic QC Summary

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L46164***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Lead, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454873													
WG454873ICV	ICV	08/24/18 22:18	MS180730-1	.05		.04915	mg/L	98	90	110			
WG454873ICB	ICB	08/24/18 22:21				U	mg/L		-0.00022	0.00022			
WG454873LFB	LFB	08/24/18 22:25	MS180806-8	.0496		.04499	mg/L	91	85	115			
L46162-01AS	AS	08/24/18 22:41	MS180806-8	.0496	U	.0481	mg/L	97	70	130			
L46162-01ASD	ASD	08/24/18 22:44	MS180806-8	.0496	U	.04812	mg/L	97	70	130	0	20	
L46168-02AS	AS	08/24/18 23:23	MS180806-8	.0496	U	.04762	mg/L	96	70	130			
L46168-02ASD	ASD	08/24/18 23:26	MS180806-8	.0496	U	.04785	mg/L	96	70	130	0	20	

Magnesium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454743													
WG454743ICV	ICV	08/23/18 19:28	II180727-1	100		101.9	mg/L	102	95	105			
WG454743ICB	ICB	08/23/18 19:34				U	mg/L		-0.6	0.6			
WG454743LFB	LFB	08/23/18 19:48	II180809-4	50.2933		47.6	mg/L	95	85	115			
L46164-05AS	AS	08/23/18 20:56	II180809-4	50.2933	5.6	53.95	mg/L	96	85	115			
L46164-05ASD	ASD	08/23/18 21:06	II180809-4	50.2933	5.6	54.77	mg/L	98	85	115	2	20	

Molybdenum, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454743													
WG454743ICV	ICV	08/23/18 19:28	II180727-1	2		2.068	mg/L	103	95	105			
WG454743ICB	ICB	08/23/18 19:34				U	mg/L		-0.06	0.06			
WG454743LFB	LFB	08/23/18 19:48	II180809-4	.5015		.509	mg/L	101	85	115			
L46164-05AS	AS	08/23/18 20:56	II180809-4	.5015	.04	.528	mg/L	97	85	115			
L46164-05ASD	ASD	08/23/18 21:06	II180809-4	.5015	.04	.54	mg/L	100	85	115	2	20	

Nickel, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454873													
WG454873ICV	ICV	08/24/18 22:18	MS180730-1	.05		.05148	mg/L	103	90	110			
WG454873ICB	ICB	08/24/18 22:21				U	mg/L		-0.00132	0.00132			
WG454873LFB	LFB	08/24/18 22:25	MS180806-8	.0501		.04796	mg/L	96	85	115			
L46162-01AS	AS	08/24/18 22:41	MS180806-8	.0501	.001	.04504	mg/L	88	70	130			
L46162-01ASD	ASD	08/24/18 22:44	MS180806-8	.0501	.001	.04508	mg/L	88	70	130	0	20	
L46168-02AS	AS	08/24/18 23:23	MS180806-8	.0501	.0017	.0482	mg/L	93	70	130			
L46168-02ASD	ASD	08/24/18 23:26	MS180806-8	.0501	.0017	.04893	mg/L	94	70	130	2	20	

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Inorganic QC Summary

FMI Gold & Copper - Sierrita ACZ Project ID: ***L46164***

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Nitrate/Nitrite as N M353.2 - H2SO4 preserved

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454581													
WG454581ICV	ICV	08/21/18 21:43	WI180602-1	2.416		2.374	mg/L	98	90	110			
WG454581ICB	ICB	08/21/18 21:44				U	mg/L		-0.02	0.02			
WG454585													
WG454585LFB1	LFB	08/22/18 0:27	WI180703-7	2		1.957	mg/L	98	90	110			
L46078-05AS	AS	08/22/18 0:30	WI180703-7	2	.02	2.12	mg/L	105	90	110			
L46078-06DUP	DUP	08/22/18 0:33			.06	.075	mg/L				22	20	RA
L46164-03AS	AS	08/22/18 0:50	WI180703-7	2	U	2.179	mg/L	109	90	110			
L46164-04DUP	DUP	08/22/18 0:52			U	U	mg/L				0	20	RA
WG454585LFB2	LFB	08/22/18 1:08	WI180703-7	2		1.979	mg/L	99	90	110			

Residue, Filterable (TDS) @180C SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG453776													
WG453776PBW	PBW	08/10/18 14:30				U	mg/L		-20	20			
WG453776LCSW	LCSW	08/10/18 14:31	PCN56037	260		246	mg/L	95	80	120			
L46164-06DUP	DUP	08/10/18 14:53			16	12	mg/L				29	10	RA
L46168-03DUP	DUP	08/10/18 15:14			4230	4340	mg/L				3	10	
WG454076													
WG454076PBW	PBW	08/15/18 10:40				10	mg/L		-20	20			
WG454076LCSW	LCSW	08/15/18 10:42	PCN56042	260		266	mg/L	102	80	120			
L46228-02DUP	DUP	08/15/18 11:40			950	800	mg/L				17	10	RA

Selenium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454873													
WG454873ICV	ICV	08/24/18 22:18	MS180730-1	.05		.05142	mg/L	103	90	110			
WG454873ICB	ICB	08/24/18 22:21				.00019	mg/L		-0.00022	0.00022			
WG454873LFB	LFB	08/24/18 22:25	MS180806-8	.05005		.04619	mg/L	92	85	115			
L46162-01AS	AS	08/24/18 22:41	MS180806-8	.05005	.0037	.05126	mg/L	95	70	130			
L46162-01ASD	ASD	08/24/18 22:44	MS180806-8	.05005	.0037	.05259	mg/L	98	70	130	3	20	
L46168-02AS	AS	08/24/18 23:23	MS180806-8	.05005	.0008	.05231	mg/L	103	70	130			
L46168-02ASD	ASD	08/24/18 23:26	MS180806-8	.05005	.0008	.05295	mg/L	104	70	130	1	20	
WG454954													
WG454954ICV	ICV	08/27/18 16:47	MS180730-1	.05		.05046	mg/L	101	90	110			
WG454954ICB	ICB	08/27/18 16:49				U	mg/L		-0.00022	0.00022			
WG454954LFB	LFB	08/27/18 16:51	MS180806-8	.05005		.04881	mg/L	98	85	115			
L46164-01AS	AS	08/27/18 16:58	MS180806-8	.05005	.0001	.05009	mg/L	100	70	130			
L46164-01ASD	ASD	08/27/18 17:00	MS180806-8	.05005	.0001	.04837	mg/L	96	70	130	3	20	
WG455056													
WG455056ICV	ICV	08/28/18 18:50	MS180730-1	.05		.04929	mg/L	99	90	110			
WG455056ICB	ICB	08/28/18 18:52				U	mg/L		-0.00022	0.00022			
WG455056LFB	LFB	08/28/18 18:54	MS180806-8	.05005		.05139	mg/L	103	85	115			
L46168-01AS	AS	08/28/18 19:12	MS180806-8	.05005	U	.05426	mg/L	108	70	130			
L46168-01ASD	ASD	08/28/18 19:14	MS180806-8	.05005	U	.05587	mg/L	112	70	130	3	20	

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Inorganic QC Summary

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L46164***

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Sulfate D516-02/-07 - Turbidimetric

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454405													
WG454405ICB	ICB	08/20/18 10:39				U	mg/L		-3	3			
WG454405ICV	ICV	08/20/18 10:39	WI180809-9	20		19.3	mg/L	97	90	110			
WG454405LFB	LFB	08/20/18 12:04	WI180726-1	10		9.2	mg/L	92	90	110			
L46164-01DUP	DUP	08/20/18 12:13			581	535	mg/L				8	20	
L46164-02AS	AS	08/20/18 12:13	SO4TURB50X	10	1120	1130	mg/L	100	90	110			

Thallium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG454873													
WG454873ICV	ICV	08/24/18 22:18	MS180730-1	.05		.0508	mg/L	102	90	110			
WG454873ICB	ICB	08/24/18 22:21				U	mg/L		-0.00022	0.00022			
WG454873LFB	LFB	08/24/18 22:25	MS180806-8	.0501		.04597	mg/L	92	85	115			
L46162-01AS	AS	08/24/18 22:41	MS180806-8	.0501	U	.04957	mg/L	99	70	130			
L46162-01ASD	ASD	08/24/18 22:44	MS180806-8	.0501	U	.04947	mg/L	99	70	130	0	20	
L46168-02AS	AS	08/24/18 23:23	MS180806-8	.0501	U	.04908	mg/L	98	70	130			
L46168-02ASD	ASD	08/24/18 23:26	MS180806-8	.0501	U	.04954	mg/L	99	70	130	1	20	

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Inorganic Extended Qualifier Report

FMI Gold & Copper - Sierrita ACZ Project ID: ***L46164***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L46164-01	WG454873	Antimony, dissolved	M200.8 ICP-MS	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Arsenic, dissolved	M200.8 ICP-MS	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Beryllium, dissolved	M200.8 ICP-MS	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Cadmium, dissolved	M200.8 ICP-MS	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG454743	Chromium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Copper, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG454326	Fluoride	SM4500F-C	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG454873	Lead, dissolved	M200.8 ICP-MS	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG454743	Magnesium, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
		Molybdenum, dissolved	M200.7 ICP	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG454873	Nickel, dissolved	M200.8 ICP-MS	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG454585	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG453776	Residue, Filterable (TDS) @180C	SM2540C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG454954	Selenium, dissolved	M200.8 ICP-MS	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
	WG454873	Thallium, dissolved	M200.8 ICP-MS	Q5	Sample received with inadequate chemical preservation. Additional preservation performed by the laboratory.
L46164-02	WG454326	Fluoride	SM4500F-C	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG454585	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG453776	Residue, Filterable (TDS) @180C	SM2540C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L46164-03	WG454326	Fluoride	SM4500F-C	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG454585	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG453776	Residue, Filterable (TDS) @180C	SM2540C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
L46164-04	WG454326	Fluoride	SM4500F-C	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG454585	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG454076	Residue, Filterable (TDS) @180C	SM2540C	H1	Sample prep or analysis performed past holding time. See case narrative.
			SM2540C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Extended Qualifier Report

FMI Gold & Copper - Sierrita ACZ Project ID: ***L46164***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L46164-05	WG454326	Fluoride	SM4500F-C	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG454585	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG453776	Residue, Filterable (TDS) @180C	SM2540C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG454873	Selenium, dissolved	M200.8 ICP-MS	BE	Target analyte in continuing calibration blank (CCB) at or above the acceptance criteria. Target analyte was not detected in the sample [< MDL].
L46164-06	WG454326	Fluoride	SM4500F-C	M2	Matrix spike recovery was low, the recovery of the associated control sample (LCS or LFB) was acceptable.
	WG454585	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG453776	Residue, Filterable (TDS) @180C	SM2540C	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG454873	Selenium, dissolved	M200.8 ICP-MS	BE	Target analyte in continuing calibration blank (CCB) at or above the acceptance criteria. Target analyte was not detected in the sample [< MDL].
L46164-07	WG454585	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	RA	Relative Percent Difference (RPD) was not used for data validation because the concentration of the duplicated sample is too low for accurate evaluation (< 10x MDL).
	WG454873	Selenium, dissolved	M200.8 ICP-MS	BE	Target analyte in continuing calibration blank (CCB) at or above the acceptance criteria. Target analyte was not detected in the sample [< MDL].

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Certification Qualifiers

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L46164***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L46164
Date Received: 08/10/2018 10:50
Received By:
Date Printed: 8/13/2018

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]		X	
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

L46164-01 Container B2021998 (GREEN PC): Added 1 mls nitric acid to the sub-sample to adjust the pH to the appropriate range.

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
4479	3.9	<=6.0	15	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L46164
Date Received: 08/10/2018 10:50
Received By:
Date Printed: 8/13/2018

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

L46164

CHAIN of CUSTODY

Report to:

Name: Jeff Joy	Address: 6200 W. Duval Mine Road
Company: Freeport-McMoRan Sierrita	Green Valley, AZ 85614
E-mail: jjoy@fmi.com	Telephone: 520-393-2269

Copy of Report to:

Name: Bill Hart & Billy Dorris	E-mail: whart@fmi.com & bdorris@fmi.com
Company:	Telephone: 520-393-2625

Invoice to:

Name:	Address:
Company:	
E-mail:	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES [ ] NO [ ]

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES [ ] NO [X]

If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #:

Project/PO #: ZS0000079

Reporting state for compliance testing:

Sampler's Name: Jeff Joy

Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	Quarterly
MH-20	8/6/18 : 1157	GW	4	X
MH-27	8/6/18 : 1300	GW	4	X
MH-23	8/7/18 : 0953	GW	4	X
MH-28	8/7/18 : 1015	GW	4	X
DUP20180806A	8/6/18 : 0000	GW	4	X
EQB20180806A	8/6/18 : 0000	GW	4	X
FB20180806A	8/6/18 : 0000	GW	4	X

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

POC page 1 of 1 COOLER 1

UPS Tracking # 1Z 867 7E4 22 1000 385 4

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Jeff Joy	8/9/18 : 1530	BCR	8/10/18 1050

L46164 Chain of Custod

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

August 28, 2018

Report to:
Jeff Joy
FMI Gold & Copper - Sierrita
6200 W. Duval Mine Road
Green Valley, AZ 85614

cc: William Hart, Billiy Dorris, Ben Daigneau

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

Project ID: ZS0000079
ACZ Project ID: L46325

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on August 17, 2018. This project has been assigned to ACZ's project number, L46325. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L46325. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after September 27, 2018. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MO-2007-6B

ACZ Sample ID: ***L46325-01***
Date Sampled: *08/13/18 08:23*
Date Received: *08/17/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	24.5			mg/L	0.4	2	08/24/18 16:21	mss2

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MO-2007-6A

ACZ Sample ID: ***L46325-02***
Date Sampled: *08/13/18 09:11*
Date Received: *08/17/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	6.63			mg/L	0.4	2	08/24/18 17:15	mss2

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MW-2016-06

ACZ Sample ID: ***L46325-03***
Date Sampled: *08/13/18 11:18*
Date Received: *08/17/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	77.1			mg/L	0.4	2	08/24/18 17:33	mss2

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MW-2016-05B

ACZ Sample ID: ***L46325-04***
Date Sampled: *08/13/18 12:40*
Date Received: *08/17/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	58.7			mg/L	0.4	2	08/24/18 17:51	mss2

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MW-2016-05A

ACZ Sample ID: ***L46325-05***
Date Sampled: *08/13/18 13:16*
Date Received: *08/17/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	22.1			mg/L	0.4	2	08/24/18 18:09	mss2

Arizona license number: AZ0102

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: GV-1

ACZ Sample ID: ***L46325-06***
Date Sampled: *08/15/18 08:35*
Date Received: *08/17/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	25.3			mg/L	0.4	2	08/24/18 18:27	mss2

Arizona license number: AZ0102

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: GV-2

ACZ Sample ID: ***L46325-07***
Date Sampled: *08/15/18 09:00*
Date Received: *08/17/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	44.3			mg/L	0.4	2	08/24/18 19:03	mss2

Arizona license number: AZ0102

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click: http://www.acz.com/public/extquallist.pdf

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L46325***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG451559													
WG451559ICV	ICV	07/12/18 0:46	WI180625-3	50		50.2	mg/L	100	90	110			
WG451559ICB	ICB	07/12/18 1:04				U	mg/L		-0.4	0.4			
WG454877													
WG454877LFB	LFB	08/24/18 13:58	WI180430-12	30		29.6	mg/L	99	90	110			
L46165-01DUP	DUP	08/24/18 14:34			2750	2750	mg/L				0	20	
L46165-02AS	AS	08/24/18 15:10	WI180430-12	150	175	321	mg/L	97	90	110			
L46325-06DUP	DUP	08/24/18 18:45			25.3	25.3	mg/L				0	20	
L46325-07AS	AS	08/24/18 19:21	WI180430-12	30	44.3	72.5	mg/L	94	90	110			

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Inorganic Extended Qualifier Report

FMI Gold & Copper - Sierrita ACZ Project ID: ***L46325***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION

No extended qualifiers associated with this analysis

Certification Qualifiers

FMI Gold & Copper - Sierrita ACZ Project ID: ***L46325***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L46325
Date Received: 08/17/2018 10:33
Received By:
Date Printed: 8/20/2018

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]			X
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
3338	0.1	<=6.0	15	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L46325
Date Received: 08/17/2018 10:33
Received By:
Date Printed: 8/20/2018

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc.

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

L46325

CHAIN of CUSTODY

Report to:

Name: Jeff_Joy	Address: 6200 W. Duval Mine Road
Company: Freeport-McMoRan Sierrita Inc.	Green Valley, AZ 85614
E-mail: jjoy@fmi.com	Telephone: 520-393-2269

Copy of Report to:

Name: Ben Daigneau	E-mail: bdaigneau@clearcreekassociates.com
Company: Clear Creek Associates	Telephone: 520-622-3222

Invoice to:

Name:	Address:
Company:	
E-mail:	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES [ ] NO [ ]

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES [ ] NO [X]

If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #:

Project/PO #: ZS0000079

Reporting state for compliance testing:

Sampler's Name: Jeff Joy

Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	SO4 by EPA 300 or EPA 375							
MO-2007-6B	8/13/18 : 0823	GW	1	X							
MO-2007-6A	8/13/18 : 0911	GW	1	X							
MW-2016-06	8/13/18 : 1118	GW	1	X							
MW-2016-05B	8/13/18 : 1240	GW	1	X							
MW-2016-05A	8/13/18 : 1316	GW	1	X							
GV-1	8/15/18 : 0835	GW	1	X							
GV-2	8/15/18 : 0900	GW	1	X							

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Sulfates

Copy of report to Ben Daigneau contains only "SO4" results with QC Summary.

Please include copy of report to whart@fmi.com and bdorris@fmi.com 520-393-2625

UPS Tracking # 1Z 867 7E4 22 1000 387 2

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME:	RECEIVED BY:	DATE:TIME
Jeff Joy	8/16/18 : 1530	LAS	8/17/18 10:33

FRMAD050.01.15.09 White - Return with sample. Yellow - Retain for your records.

L46325 Chain of Custod

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Analytical Report

September 24, 2018

Report to:
Jeff Joy
FMI Gold & Copper - Sierrita
6200 W. Duval Mine Road
Green Valley, AZ 85614

cc: William Hart, Billiy Dorris, Ben Daigneau

Bill to:
Accounts Payable
FMI Gold & Copper - Sierrita
P.O. Box 2671
Phoenix, AZ 85002-2671

Project ID: ZS000008QB
ACZ Project ID: L46781

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on September 07, 2018. This project has been assigned to ACZ's project number, L46781. Please reference this number in all future inquiries.

All analyses were performed according to ACZ's Quality Assurance Plan. The enclosed results relate only to the samples received under L46781. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

Except as noted, the test results for the methods and parameters listed on ACZ's current NELAC certificate letter (#ACZ) meet all requirements of NELAC.

This report shall be used or copied only in its entirety. ACZ is not responsible for the consequences arising from the use of a partial report.

All samples and sub-samples associated with this project will be disposed of after October 24, 2018. If the samples are determined to be hazardous, additional charges apply for disposal (typically $11/sample). If you would like the samples to be held longer than ACZ's stated policy or to be returned, please contact your Project Manager or Customer Service Representative for further details and associated costs. ACZ retains analytical raw data reports for ten years.

If you have any questions or other needs, please contact your Project Manager.

S. Habermehl

Scott Habermehl has reviewed
and approved this report.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Inorganic Analytical Results

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: NP-2

ACZ Sample ID: ***L46781-01***
Date Sampled: *09/05/18 09:22*
Date Received: *09/07/18*
Sample Matrix: *Groundwater*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	44.5			mg/L	0.4	2	09/19/18 2:55	mss2

Arizona license number: AZ0102

Report Header Explanations

Batch	A distinct set of samples analyzed at a specific time
Found	Value of the QC Type of interest
Limit	Upper limit for RPD, in %.
Lower	Lower Recovery Limit, in % (except for LCSS, mg/Kg)
MDL	Method Detection Limit. Same as Minimum Reporting Limit unless omitted or equal to the PQL (see comment #5). Allows for instrument and annual fluctuations.
PCN/SCN	A number assigned to reagents/standards to trace to the manufacturer's certificate of analysis
PQL	Practical Quantitation Limit. Synonymous with the EPA term "minimum level".
QC	True Value of the Control Sample or the amount added to the Spike
Rec	Recovered amount of the true value or spike added, in % (except for LCSS, mg/Kg)
RPD	Relative Percent Difference, calculation used for Duplicate QC Types
Upper	Upper Recovery Limit, in % (except for LCSS, mg/Kg)
Sample	Value of the Sample of interest

QC Sample Types

AS	Analytical Spike (Post Digestion)	*LCSWD*	Laboratory Control Sample - Water Duplicate
ASD	Analytical Spike (Post Digestion) Duplicate	*LFB*	Laboratory Fortified Blank
CCB	Continuing Calibration Blank	*LFM*	Laboratory Fortified Matrix
CCV	Continuing Calibration Verification standard	*LFMD*	Laboratory Fortified Matrix Duplicate
DUP	Sample Duplicate	*LRB*	Laboratory Reagent Blank
ICB	Initial Calibration Blank	*MS*	Matrix Spike
ICV	Initial Calibration Verification standard	*MSD*	Matrix Spike Duplicate
ICSAB	Inter-element Correction Standard - A plus B solutions	*PBS*	Prep Blank - Soil
LCSS	Laboratory Control Sample - Soil	*PBW*	Prep Blank - Water
LCSSD	Laboratory Control Sample - Soil Duplicate	*PQV*	Practical Quantitation Verification standard
LCSW	Laboratory Control Sample - Water	*SDL*	Serial Dilution

QC Sample Type Explanations

Blanks	Verifies that there is no or minimal contamination in the prep method or calibration procedure.
Control Samples	Verifies the accuracy of the method, including the prep procedure.
Duplicates	Verifies the precision of the instrument and/or method.
Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
Standard	Verifies the validity of the calibration.

ACZ Qualifiers (Qual)

B	Analyte concentration detected at a value between MDL and PQL. The associated value is an estimated quantity.
H	Analysis exceeded method hold time. pH is a field test with an immediate hold time.
L	Target analyte response was below the laboratory defined negative threshold.
U	The material was analyzed for, but was not detected above the level of the associated value. The associated value is either the sample quantitation limit or the sample detection limit.

Method References

(1)	EPA 600/4-83-020. Methods for Chemical Analysis of Water and Wastes, March 1983.
(2)	EPA 600/R-93-100. Methods for the Determination of Inorganic Substances in Environmental Samples, August 1993.
(3)	EPA 600/R-94-111. Methods for the Determination of Metals in Environmental Samples - Supplement I, May 1994.
(4)	EPA SW-846. Test Methods for Evaluating Solid Waste.
(5)	Standard Methods for the Examination of Water and Wastewater.

Comments

(1)	QC results calculated from raw data. Results may vary slightly if the rounded values are used in the calculations.
(2)	Soil, Sludge, and Plant matrices for Inorganic analyses are reported on a dry weight basis.
(3)	Animal matrices for Inorganic analyses are reported on an "as received" basis.
(4)	An asterisk in the "XQ" column indicates there is an extended qualifier and/or certification qualifier associated with the result.
(5)	If the MDL equals the PQL or the MDL column is omitted, the PQL is the reporting limit.

For a complete list of ACZ's Extended Qualifiers, please click: http://www.acz.com/public/extquallist.pdf

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L46781***

NOTE: If the Rec% column is null, the high/low limits are in the same units as the result. If the Rec% column is not null, then the high/low limits are in % Rec.

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec%	Lower	Upper	RPD	Limit	Qual
WG456620													
WG456620LFB1	LFB	09/18/18 19:10	WI180430-12	30		29.6	mg/L	99	90	110			BA
L46577-01DUP	DUP	09/18/18 23:56			709	710	mg/L				0	20	
L46577-02AS	AS	09/19/18 0:32	WI180430-12	300	448	728	mg/L	93	90	110			
WG456620LFB2	LFB	09/19/18 3:49	WI180430-12	30		29.8	mg/L	99	90	110			

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Inorganic Extended Qualifier Report

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L46781***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION

No extended qualifiers associated with this analysis

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Certification Qualifiers

FMI Gold & Copper - Sierrita ACZ Project ID: ***L46781***

No certification qualifiers associated with this analysis

ACZ Laboratories, Inc.
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Sample Receipt

FMI Gold & Copper - Sierrita
ZS000008QB

ACZ Project ID: L46781
Date Received: 09/07/2018 09:25
Received By:
Date Printed: 9/10/2018

Receipt Verification

	YES	NO	NA
1) Is a foreign soil permit included for applicable samples?			X
2) Is the Chain of Custody form or other directive shipping papers present?	X		
3) Does this project require special handling procedures such as CLP protocol?		X	
4) Are any samples NRC licensable material?			X
5) If samples are received past hold time, proceed with requested short hold time analyses?	X		
6) Is the Chain of Custody form complete and accurate?	X		
7) Were any changes made to the Chain of Custody form prior to ACZ receiving the samples?		X	

Samples/Containers

	YES	NO	NA
8) Are all containers intact and with no leaks?	X		
9) Are all labels on containers and are they intact and legible?	X		
10) Do the sample labels and Chain of Custody form match for Sample ID, Date, and Time?	X		
11) For preserved bottle types, was the pH checked and within limits? [1]			X
12) Is there sufficient sample volume to perform all requested work?	X		
13) Is the custody seal intact on all containers?			X
14) Are samples that require zero headspace acceptable?			X
15) Are all sample containers appropriate for analytical requirements?	X		
16) Is there an Hg-1631 trip blank present?			X
17) Is there a VOA trip blank present?			X
18) Were all samples received within hold time?	X		

NA indicates Not Applicable

Chain of Custody Related Remarks

Client Contact Remarks

Shipping Containers

Cooler Id	Temp(°C)	Temp Criteria(°C)	Rad(µR/Hr)	Custody Seal Intact?
5010	0.5	<=6.0	16	Yes

Was ice present in the shipment container(s)?

Yes - Wet ice was present in the shipment container(s).

Client must contact an ACZ Project Manager if analysis should not proceed for samples received outside of their thermal preservation acceptance criteria.

ACZ Laboratories, Inc.
2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

Sample Receipt

FMI Gold & Copper - Sierrita
ZS000008QB

ACZ Project ID: L46781
Date Received: 09/07/2018 09:25
Received By:
Date Printed: 9/10/2018

[1] The preservation of the following bottle types is not checked at sample receipt: Orange (oil and grease), Purple (total cyanide), Pink (dissolved cyanide), Brown (arsenic speciation), Sterile (fecal coliform), EDTA (sulfite), HCl preserved vial (organics), Na2S2O3 preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc. L46781

2773 Downhill Drive Steamboat Springs, CO 80487 (800) 334-5493

CHAIN of CUSTODY

Report to:

Name: Jeff_Joy	Address: 6200 W. Duval Mine Road
Company: Freeport-McMoRan Sierrita Inc.	Green Valley, AZ 85614
E-mail: jjoy@fmi.com	Telephone: 520-393-2269

Copy of Report to:

Name: Ben Daigneau	E-mail: bdaigneau@clearcreekassociates.com
Company: Clear Creek Associates	Telephone: 520-622-3222

Invoice to:

Name:	Address:
Company:	
E-mail:	Telephone:

If sample(s) received past holding time (HT), or if insufficient HT remains to complete analysis before expiration, shall ACZ proceed with requested short HT analyses? YES [ ] NO [ ]

If "NO" then ACZ will contact client for further instruction. If neither "YES" nor "NO" is indicated, ACZ will proceed with the requested analyses, even if HT is expired, and data will be qualified.

Are samples for CO DW Compliance Monitoring? YES [ ] NO [x]

If yes, please include state forms. Results will be reported to PQL.

PROJECT INFORMATION

Quote #:

Project/PO #: ZS0000079

Reporting state for compliance testing:

Sampler's Name: Jeff Joy

Are any samples NRC licensable material? Yes No

ANALYSES REQUESTED *(attach list or use quote number)*

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	SO4 by EPA 300 or EPA 375							
NP-2	9/5/18 : 0922	GW	1	x							

Matrix: SW (Surface Water) · GW (Ground Water) · WW (Waste Water) · DW (Drinking Water) · SL (Sludge) · SO (Soil) · OL (Oil) · Other (Specify)

REMARKS

Sulfates
Copy of report to Ben Daigneau contains only "SO4" results with QC Summary.
Please include copy of report to whart@fmi.com and bdorris@fmi.com 520-393-2625
UPS Tracking # 1Z 867 7E4 22 1000 388 1

Please refer to ACZ's terms & conditions located on the reverse side of this COC.

RELINQUISHED BY:	DATE:TIME	RECEIVED BY:	DATE:TIME
Jeff Joy	9/6/18 : 1530		9/7/18 9:25

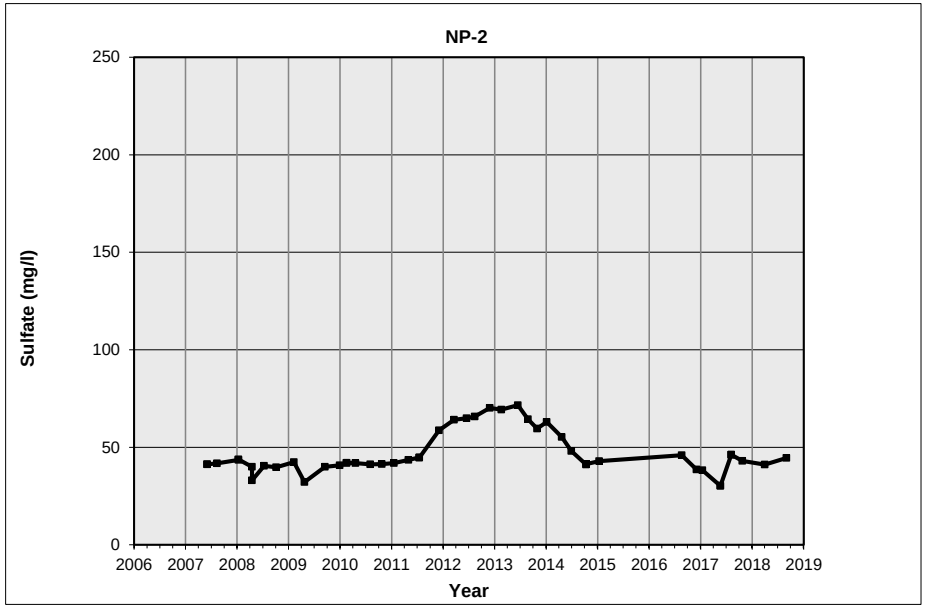
FRMAD050.01.15.09 White - Return with sample. Yellow - Retain for your records.

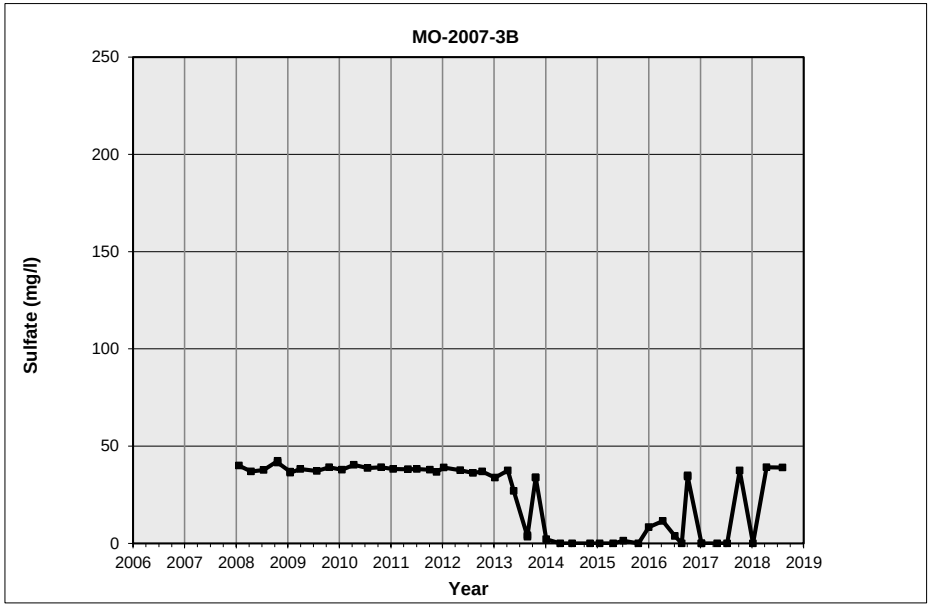
L46781 Chain of Custod

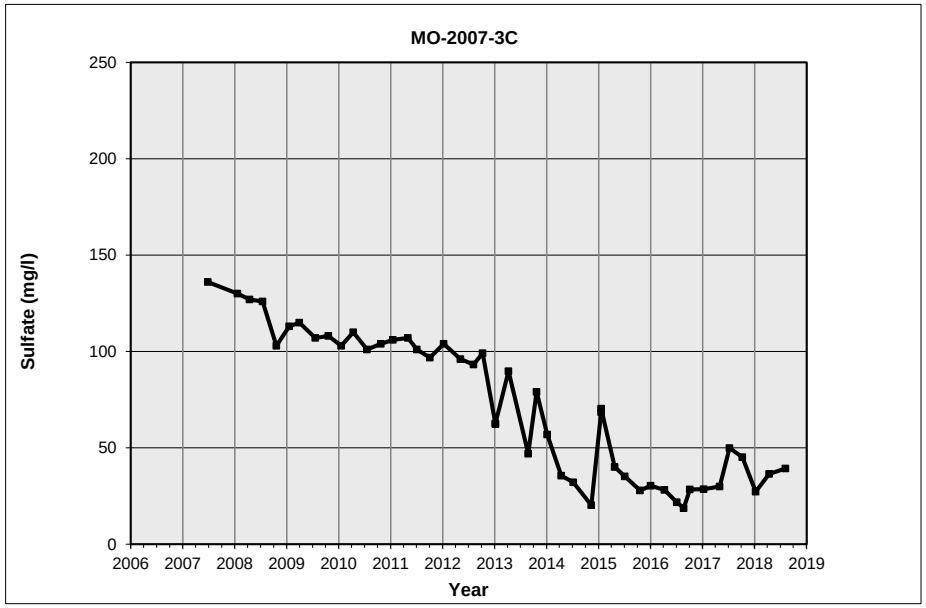
APPENDIX C

TIME SERIES GRAPHS OF SULFATE CONCENTRATION

FIGURE C.1
SULFATE CONCENTRATION OVER TIME FOR WELLS
NP-2, MO-2007-3B, MO-2007-3C, AND CW-9







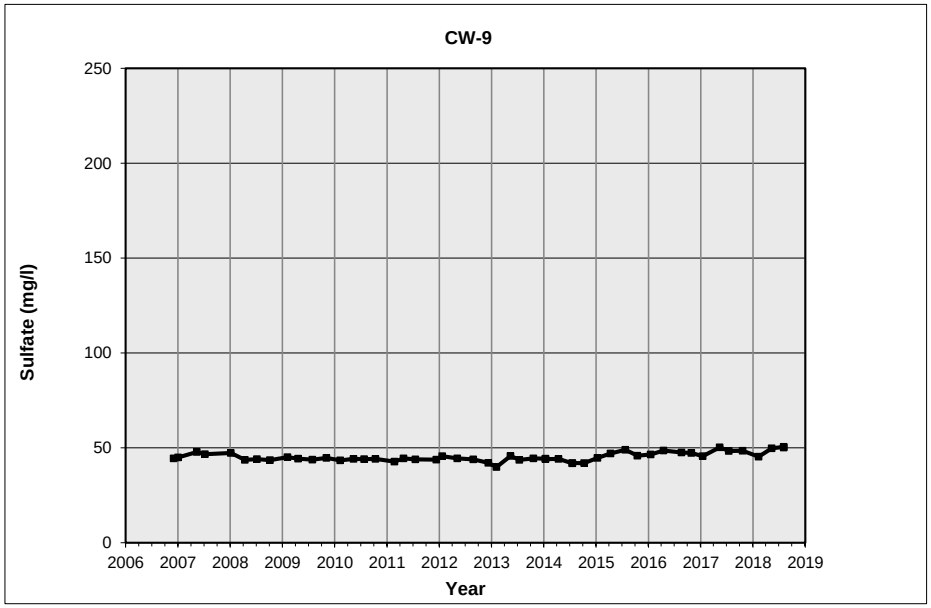
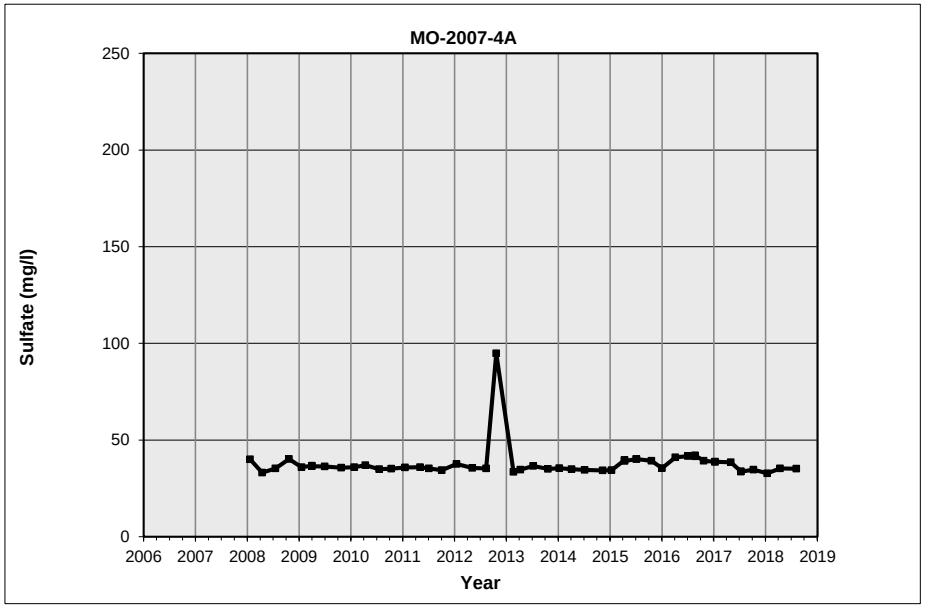
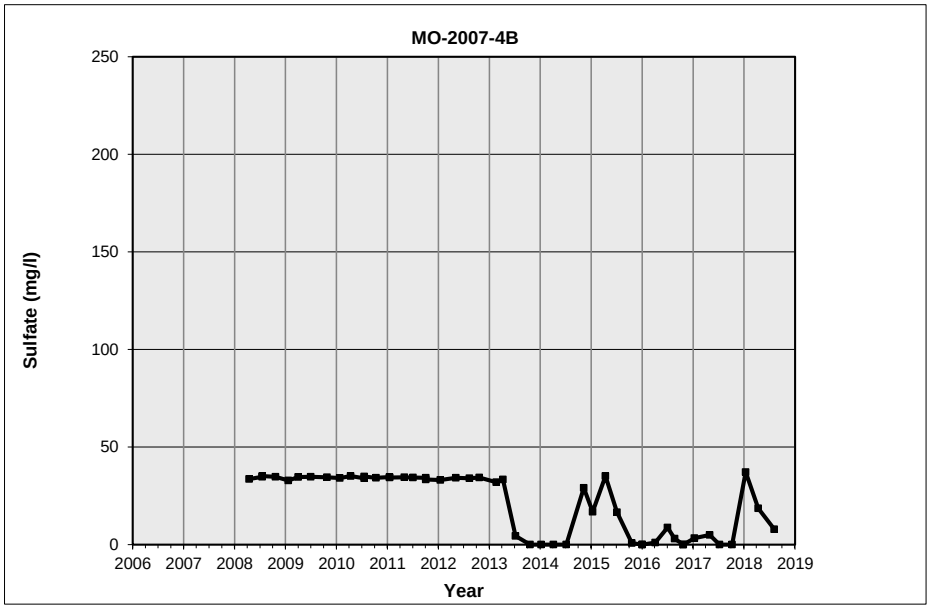
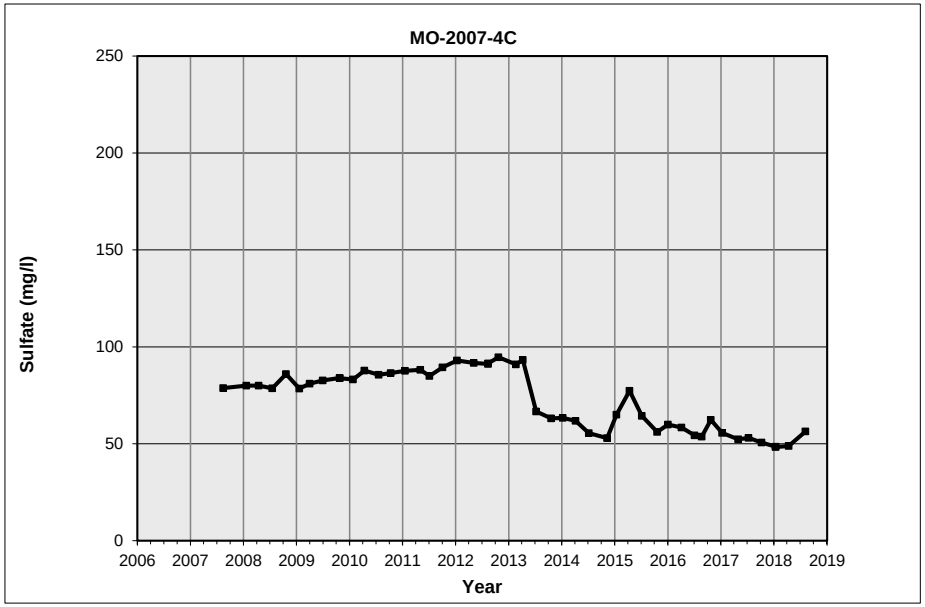


FIGURE C.2
SULFATE CONCENTRATION OVER TIME FOR WELLS
MO-2007-4A, MO-2007-4B, MO-2007-4C, AND CW-6







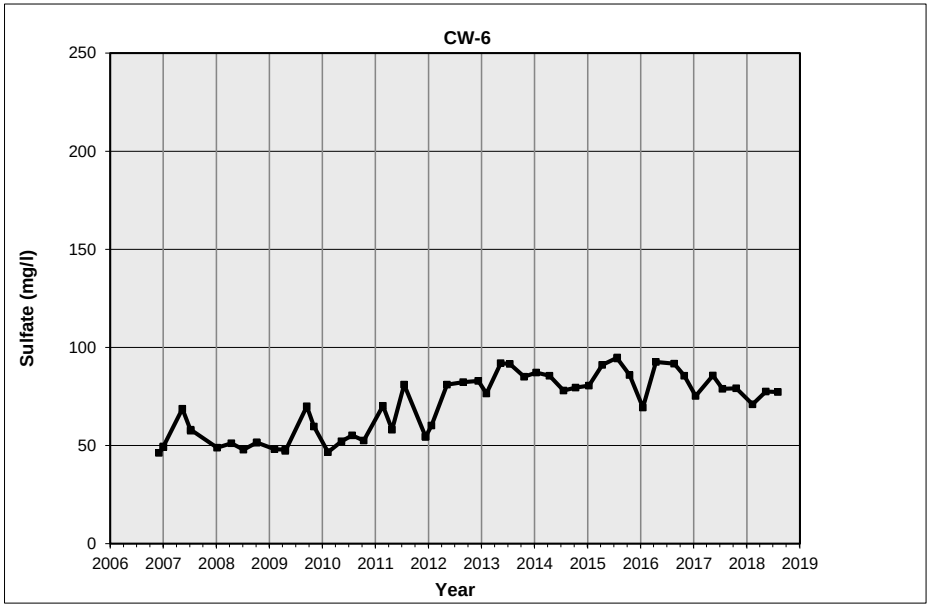
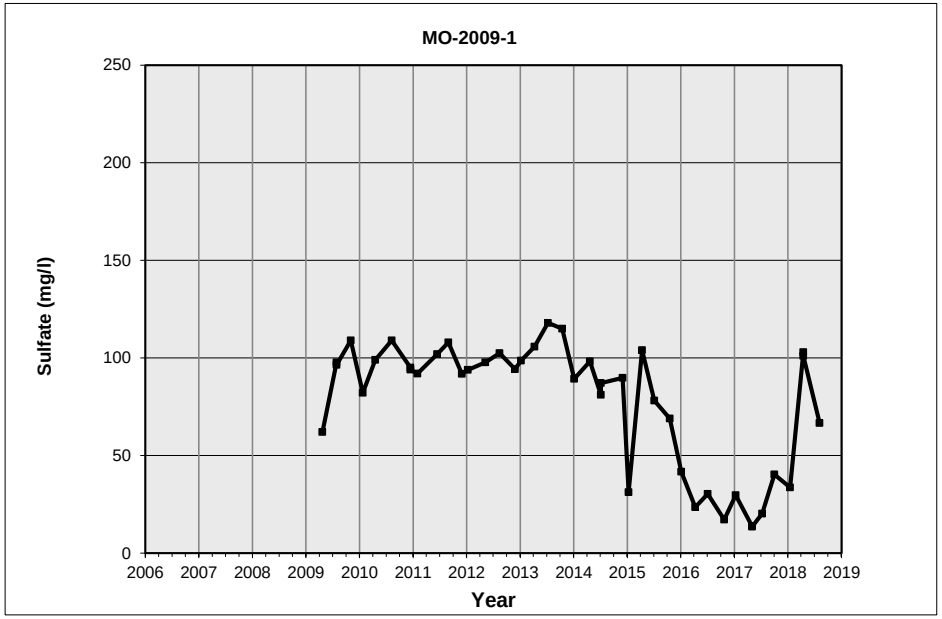


FIGURE C.3
SULFATE CONCENTRATION OVER TIME FOR WELLS
MO-2009-1 AND CW-10



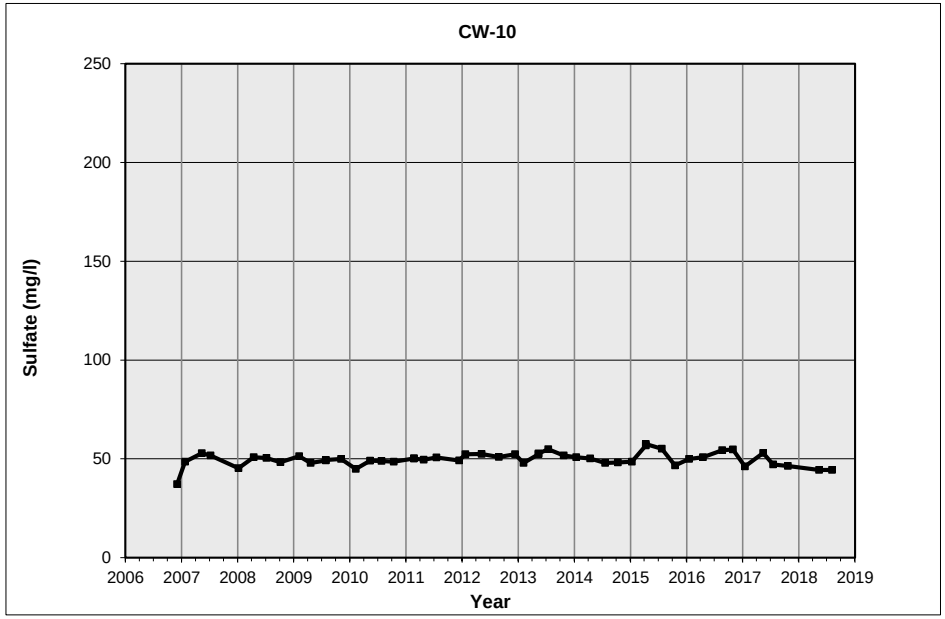


FIGURE C.4
SULFATE CONCENTRATION OVER TIME FOR WELLS
GV-01-GVDWID, GV-02-GVDWID, MO-2007-6A, and MO-2007-6B

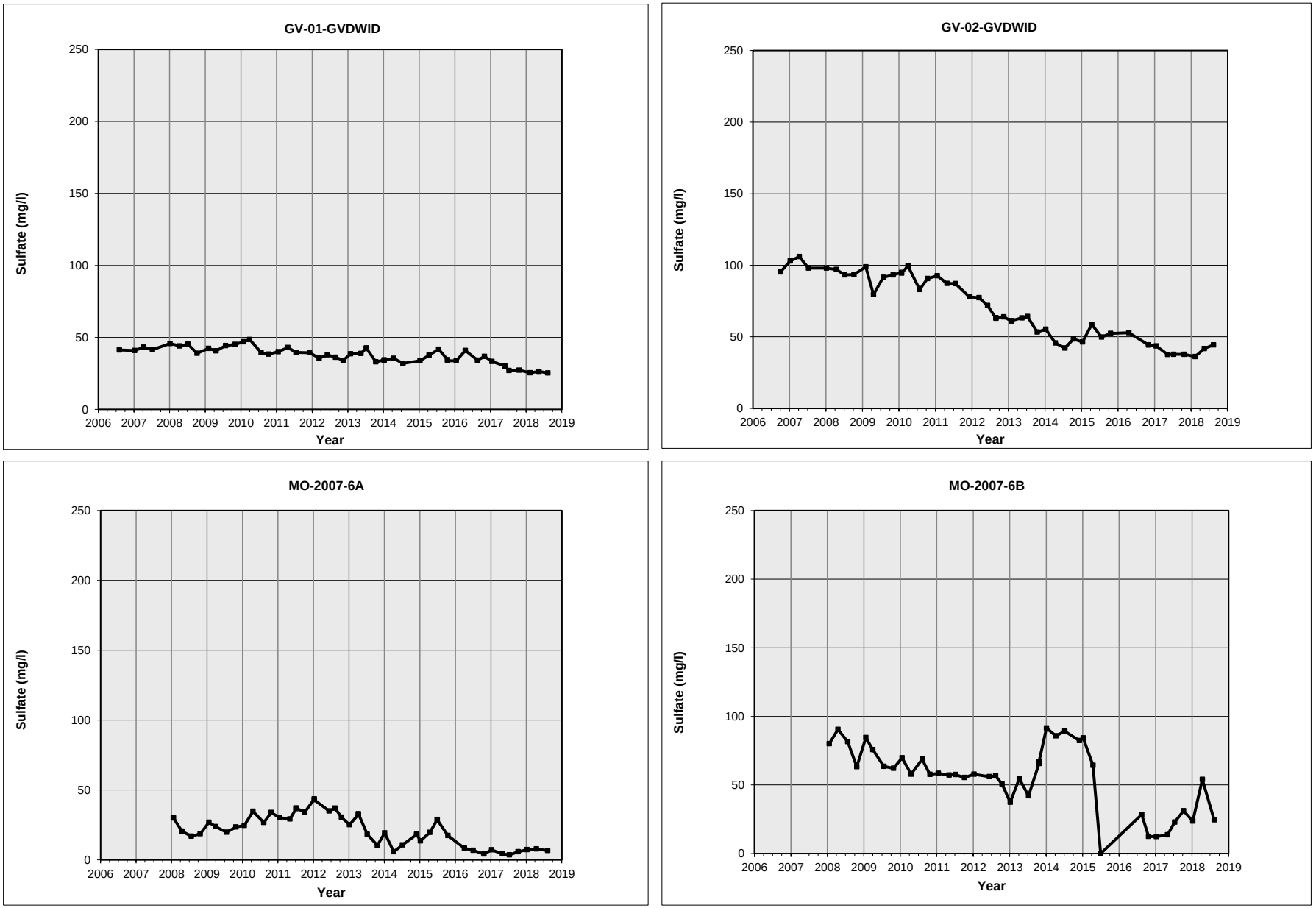
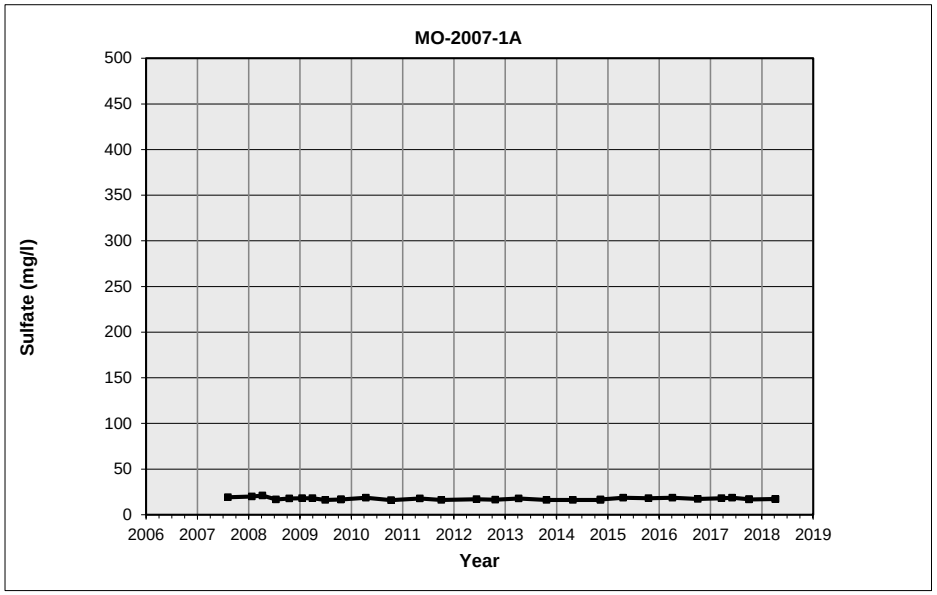
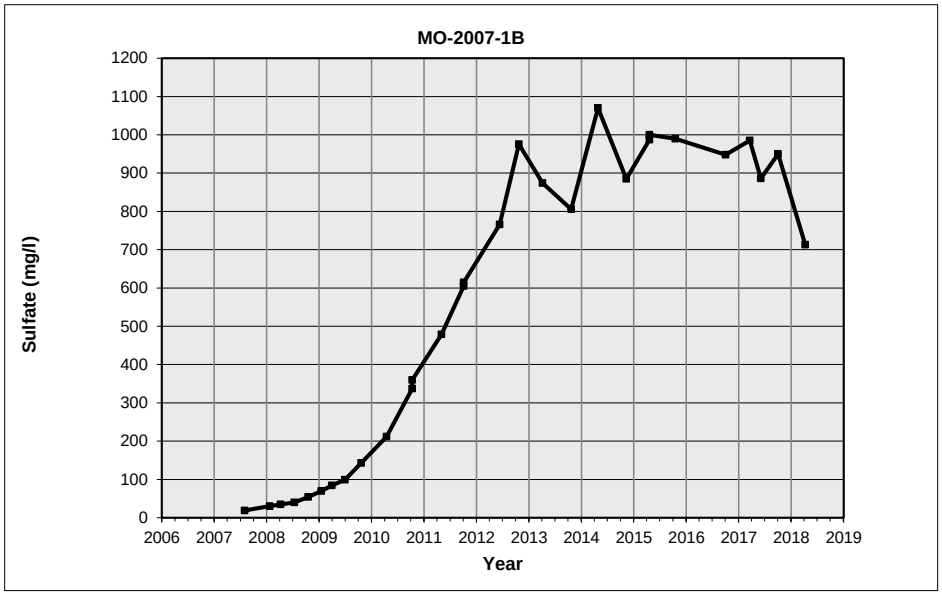


FIGURE C.5
SULFATE CONCENTRATION OVER TIME FOR WELLS
MO-2007-1A, MO-2007-1B, AND MO-2007-1C





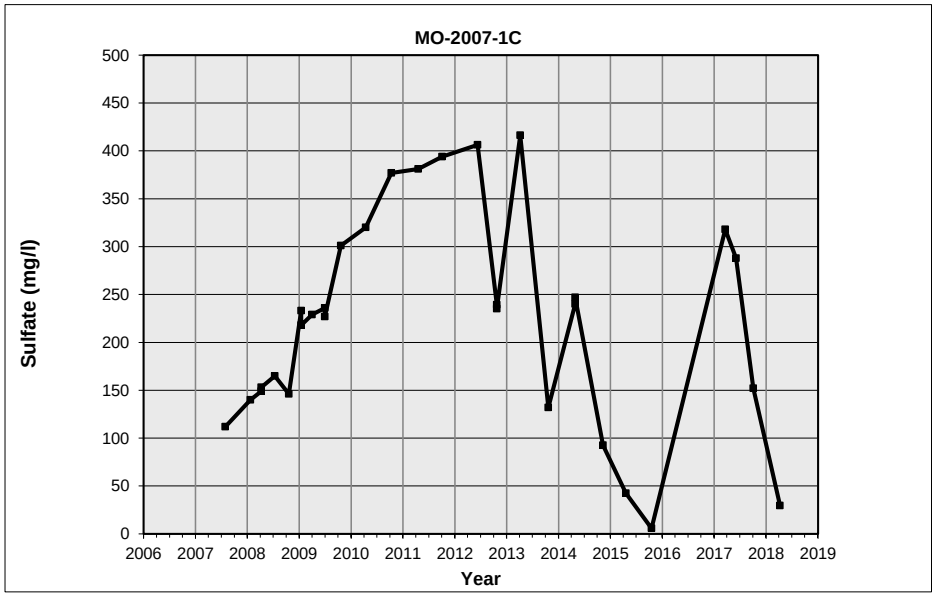
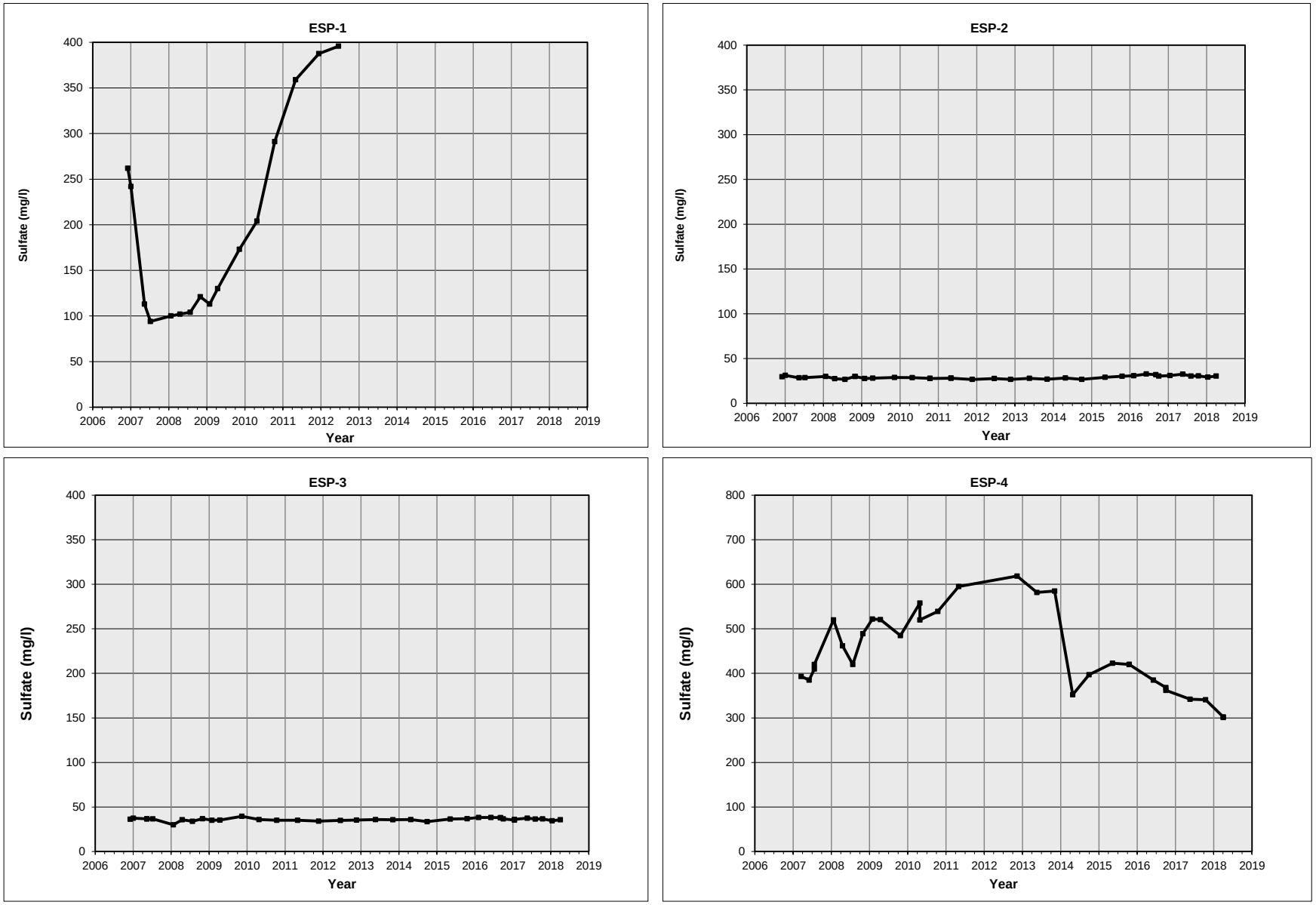
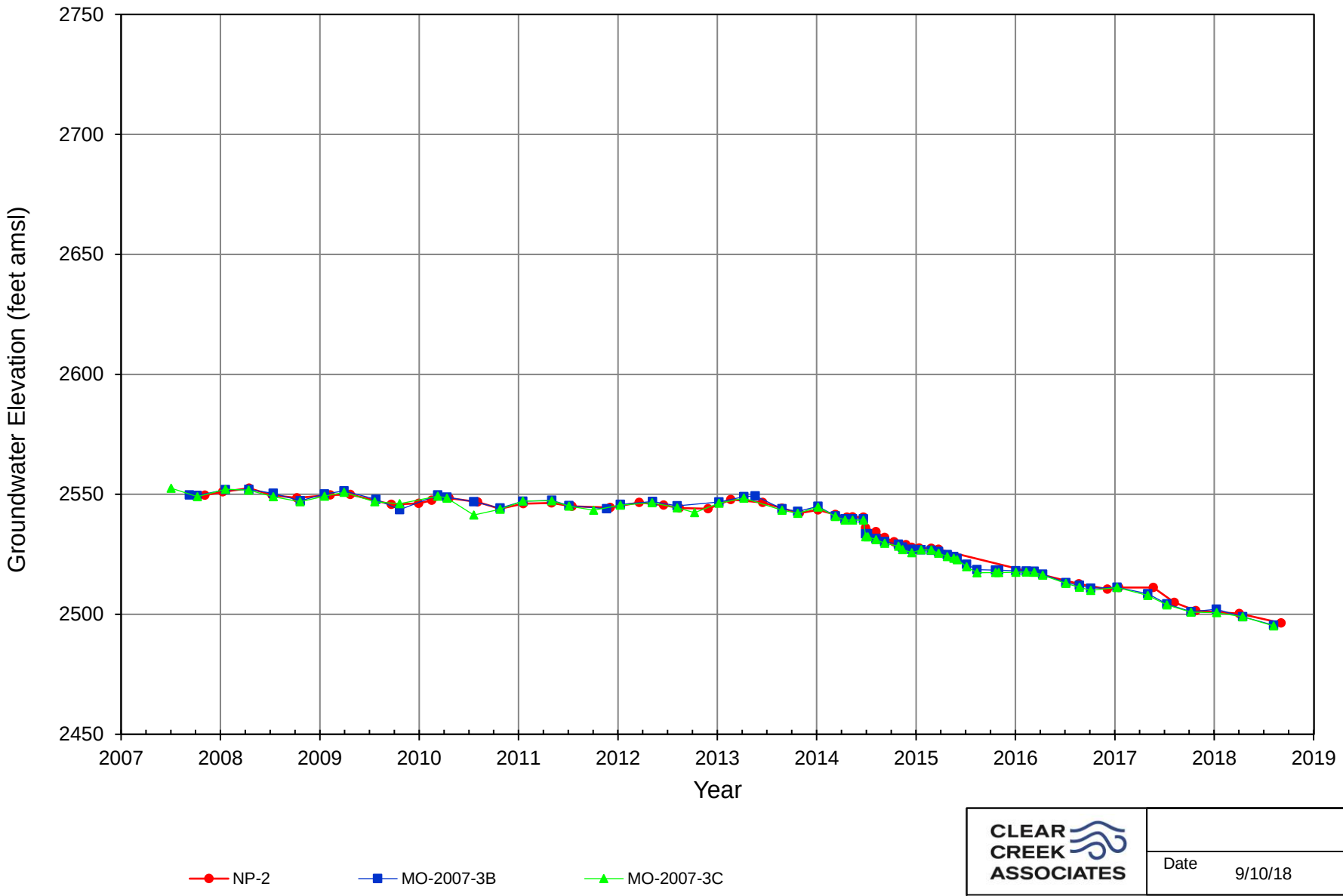


FIGURE C.6
SULFATE CONCENTRATION OVER TIME FOR WELLS
ESP-1, ESP-2, ESP-3, AND ESP-4



APPENDIX D

TIME SERIES GRAPHS OF GROUNDWATER ELEVATION IN SENTINEL WELLS

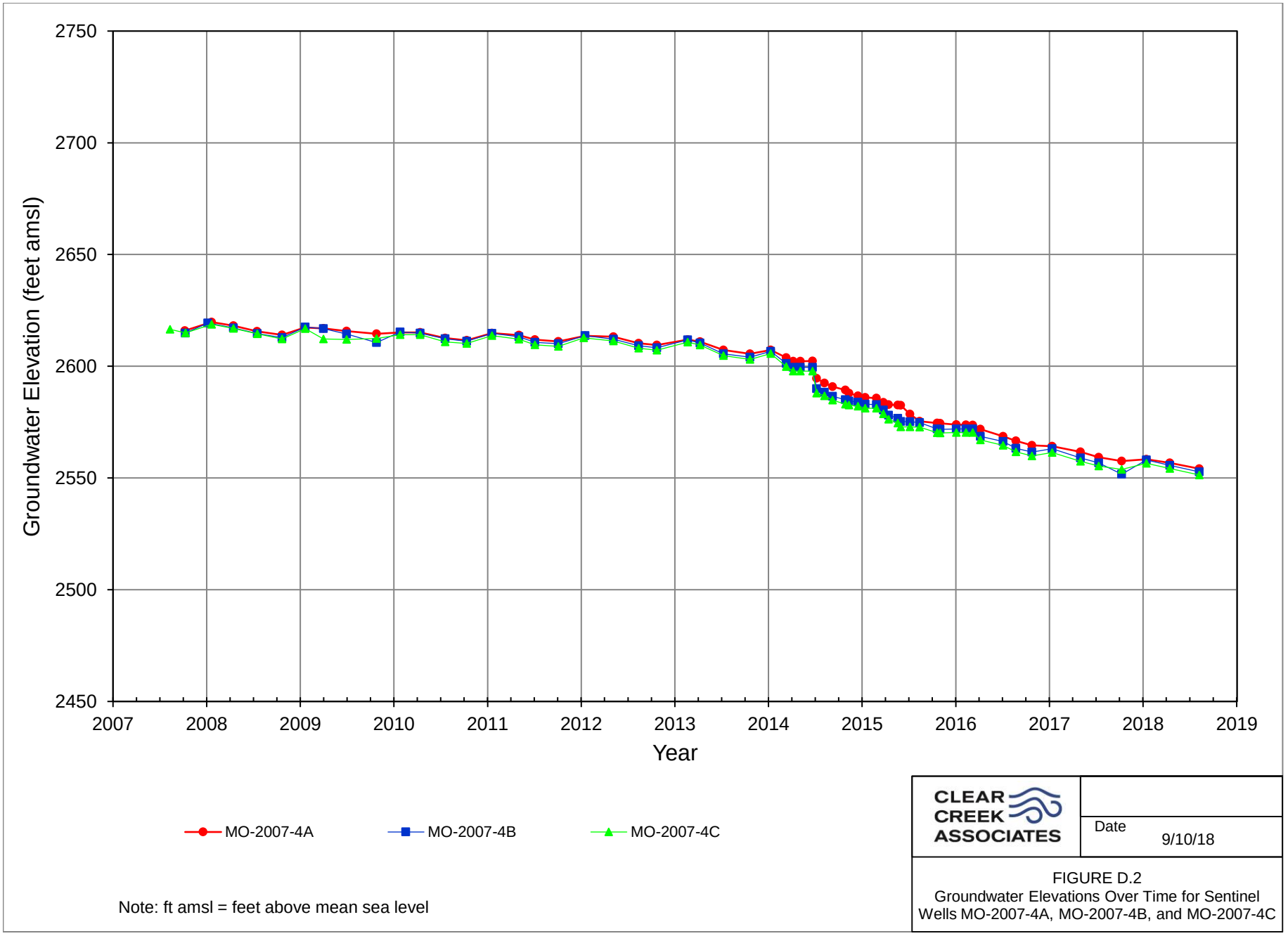


Note: ft amsl = feet above mean sea level

CLEAR CREEK ASSOCIATES

Date 9/10/18

FIGURE D.1
Groundwater Elevations Over Time for Sentinel Wells NP-2, MO-2007-3B, and MO-2007-3C

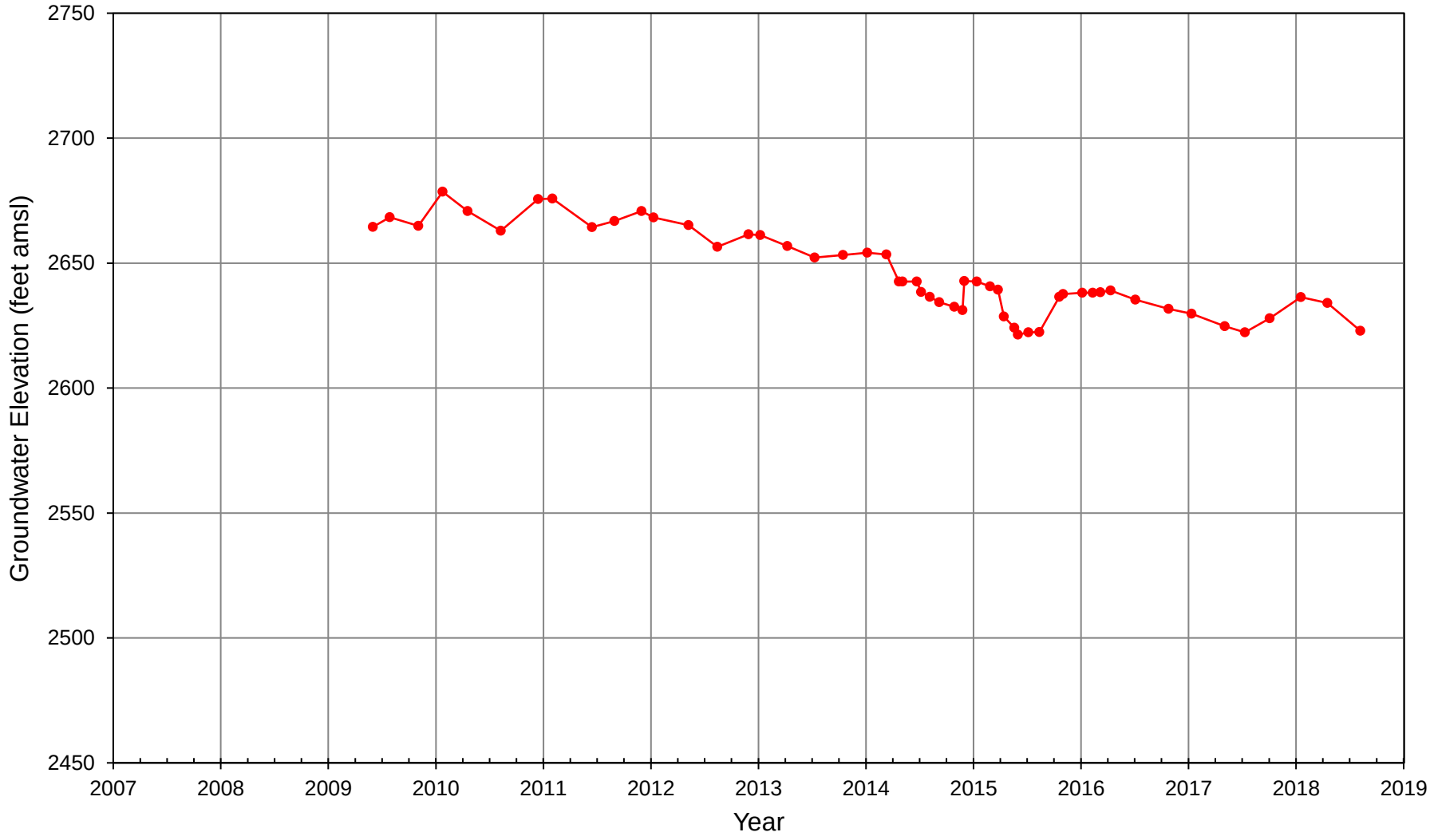


Note: ft amsl = feet above mean sea level

CLEAR CREEK ASSOCIATES

Date 9/10/18

FIGURE D.2
Groundwater Elevations Over Time for Sentinel Wells MO-2007-4A, MO-2007-4B, and MO-2007-4C

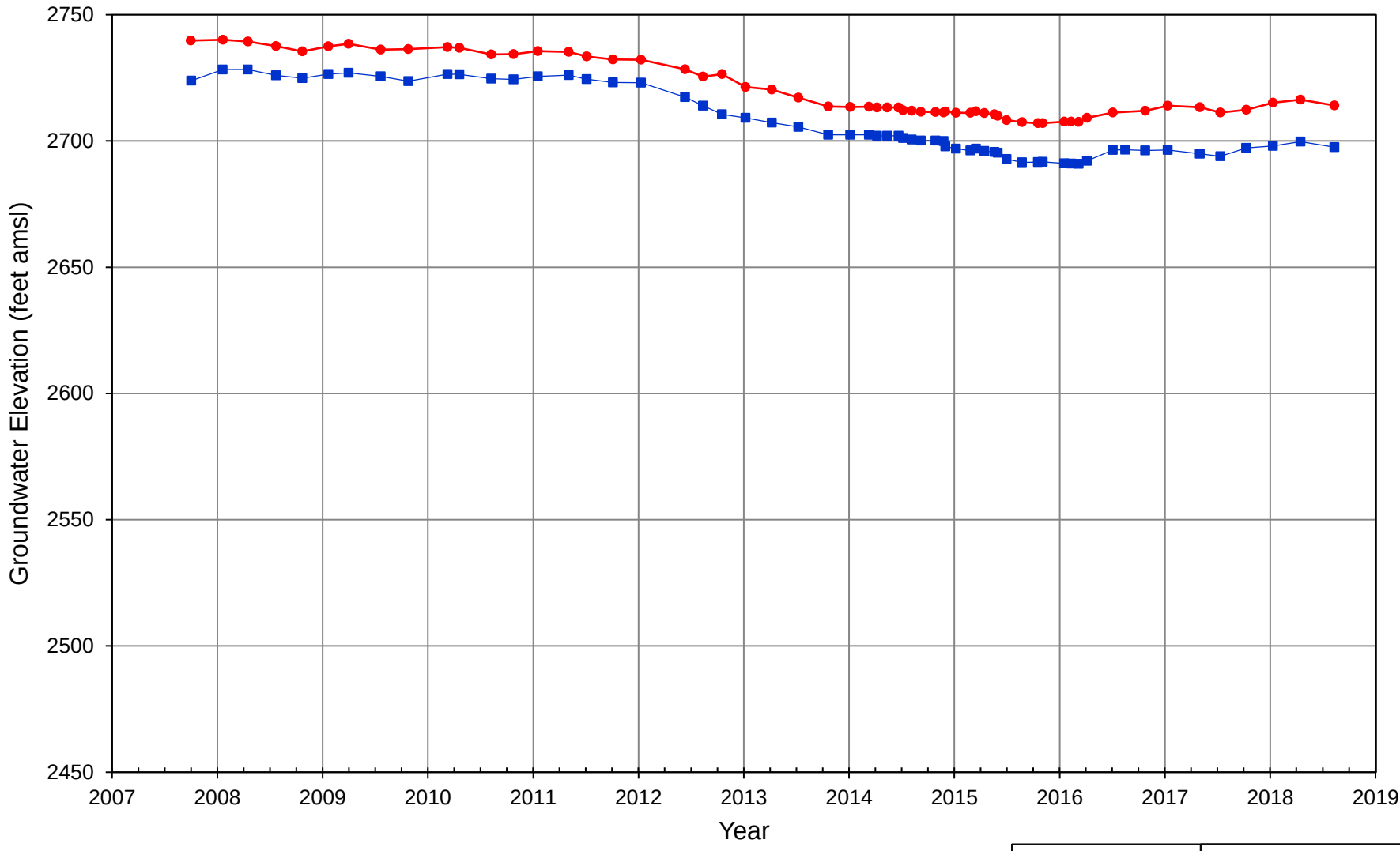


Note: ft amsl = feet above mean sea level

CLEAR CREEK ASSOCIATES

Date 9/10/18

FIGURE D.3
Groundwater Elevations Over Time for Sentinel Well MO-2009-1



Note: ft amsl = feet above mean sea level

CLEAR CREEK ASSOCIATES

Date 9/10/18

FIGURE D.4
Groundwater Elevations Over Time for Sentinel Wells MO-2007-6A and MO-2007-6B