FREEPORT-McMoRan

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

May 22, 2018

Via Certified Mail # 7017 0530 0000 7752 6149
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 Fourth Quarter of 2016 and First Quarter 2017*, prepared by Clear Creek Associates for Sierrita.

This document provides results of groundwater monitoring conducted during the above-mentioned period, 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 S Hart
Sr. Environmental Specialist
Freeport-McMoRan Sierrita Inc.

DTN: 20180521_001

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[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 THE FOURTH QUARTER 2017 AND FIRST QUARTER 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

May 15, 2018

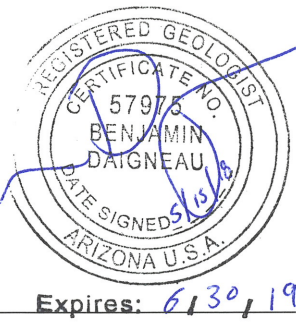
SEMIANNUAL GROUNDWATER MONITORING REPORT FOR SAMPLES COLLECTED DURING THE FORUTH QUARTER 2017 AND FIRST QUARTER 2018

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

Prepared for:

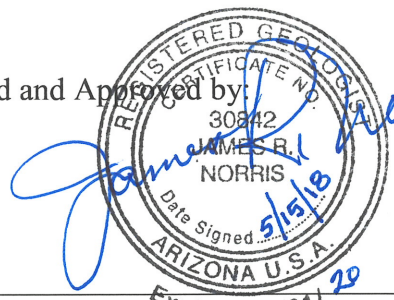
FREEPORT-MCMORAN SIERRITA INC.
6200 West Duval Mine Road
Green Valley, Arizona 85614

Prepared by:



Ben Daigneau
Arizona Registered Geologist No. 57975

Reviewed and Approved by:



James R. Norris
Arizona Registered Geologist No. 30842

May 15, 2018

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1. INTRODUCTION

This report provides the results of groundwater monitoring conducted in the fourth quarter 2017 and first quarter 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 to 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. Groundwater monitoring for the mitigation action is conducted to track plume migration and monitor for sulfate in drinking water supplies. 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. The Mitigation Plan contains a "Post-Implementation Groundwater Monitoring Plan" 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 fourth quarter 2017 and first quarter 2018 was updated for and reported in the performance review for 2016 (Clear Creek Associates, 2017).

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 annual, quarterly, and semiannual 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 fourth quarter 2017 and first quarter 2018 are presented in Section 2.1.

2. GROUNDWATER MONITORING

2.1 Monitoring Results

Table 2 summarizes the monitoring conducted in the fourth quarter 2017 and first quarter 2018. Analytical results and groundwater elevation data for the fourth quarter 2017 and first quarter 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 fourth quarter 2017 and first quarter 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 fourth quarter 2017 and first quarter 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. 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 fourth quarter 2017 and first quarter 2018 with respect to data quality objectives in the QAPP, and is included as Appendix A. Analytical laboratory reports for samples collected in the fourth quarter 2017 and first quarter 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 fourth quarter 2017 and first quarter 2018. Groundwater samples were collected from 34 plume area wells and depth to water measurements were collected from 116 wells during the fourth quarter of 2017. In the first quarter of 2018, groundwater samples were collected from 20 plume area wells and depth to water measurements were collected from 19 plume area wells.

Well sampling for the fourth quarter 2017 was conducted according to the Post-Implementation Groundwater Monitoring Plan except at three wells where water levels could not be measured. The water level could not be measured at ESP-2 because oil in the well prevented readings using an electric sounder. The water level could not be measure at IW-18 because the water was below the bottom of the sounding tube. The water level could not be measured at IW-19 due to an obstruction in the sounding tube.

Well sampling for the first quarter 2018 was conducted according to the Post-Implementation Groundwater Monitoring Plan except for NP-2 and ESP-2. Well NP-2 could not be sampled because the pump was inoperable and the water level could not be measured because of an obstruction in the sounding tube. The water level at ESP-2 could not be measured because oil in the well prevented readings using an electric sounder.

Comparison of the sulfate concentration data for the fourth quarter 2017 and first quarter 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.

In January 2018, a sample collected from M-8 contained 267 mg/L sulfate, exceeding 250 mg/L for the first time and suggesting possible migration of the plume. However a verification sample collected from M-8 in March 2018 contained 130 mg/L sulfate, which is higher than results since 2013 but less than the 250 mg/L threshold for plume designation.

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

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[1]	SO4+WL	SO4+WL[1]	SO4+WL
ESP-3	623104	Monitor	Sierrita	SO4+WL[1]	SO4+WL	SO4+WL[1]	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	DWS	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		SO4+WL		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		SO4+WL		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		SO4+WL		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[1]	SO4+WL	SO4+WL[1]	SO4+WL
M-9	501652	Monitor	Sierrita	SO4+WL[1]	SO4+WL	SO4+WL[1]	WLO
M-10	501653	Monitor	Sierrita	SO4+WL[1]	SO4+WL	SO4+WL[1]	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[2]	906816	Sentinel	Sierrita	SO4+WL	SO4+WL	SO4+WL	SO4+WL
MO-2007-3C[2]	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[3]	907213	Sentinel	Sierrita	SO4+WL	SO4+WL	SO4+WL	SO4+WL
MO-2007-4B[3]	907212	Sentinel	Sierrita	SO4+WL	SO4+WL	SO4+WL	SO4+WL
MO-2007-4C[3]	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[4]	907607	Sentinel	Sierrita	SO4+WL	SO4+WL	SO4+WL	SO4+WL
MO-2007-6B[4]	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[6]	SO4+WL	SO4+WL[6]	SO4+WL
MW-2016-5B	919472	Monitor	Sierrita	SO4+WL[6]	SO4+WL	SO4+WL[6]	SO4+WL
MW-2016-6	919676	Monitor	Sierrita	SO4+WL[6]	SO4+WL	SO4+WL[6]	SO4+WL
NP-2[2]	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] *First and third quarter sampling pursuant to Contingency Plan; sampling reverts to second and fourth quarters only after 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*

[6] *Quarterly during Contingency Plan or until second quarter of 2018; sampling reverts to second and fourth quarters only after Contingency Plan or second quarter 2018*

TABLE 2
Monitoring Summary - Fourth Quarter 2017 and First Quarter 2018

Well Name	ADWR 55 Well Registry No.	Fourth Quarter 2017				First Quarter 2018			
		Requirement	Sample Collected	Water Level Collected	Comment	Requirement	Sample Collected	Water Level Collected	Comment
CC of GV	501760		N	N	Not scheduled for fourth quarter 2017.		N	N	Not scheduled for first quarter 2018.
CCGV2	627484	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
CW-3	627483	SO4+WL	Y	Y	Water sample collected in November 2017.		N	N	Not scheduled for first quarter 2018.
CW-6	627485	SO4+WL	Y	Y	Water sample collected in October 2017.	SO4+WL	Y	Y	Water sample collected in February 2018.
CW-7	502546	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
CW-8	543600	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
CW-9	588121	SO4+WL	Y	Y	Water sample collected in October 2017.	SO4+WL	Y	Y	Water sample collected in February 2018.
CW-10	207982	SO4+WL	Y	Y	Water sample collected in October 2017.	SO4+WL	N	N	Well is not operational.
CW-11	608518	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
ESP-2	623103	SO4+WL	Y	N	Water sample collected in October 2017. Oil in well prevented water level measurement.	SO4+WL	Y	N	Water sample collected in January 2018. Oil in well prevented water level measurement.
ESP-3	623104	SO4+WL	Y	Y	Water sample collected in October 2017.	SO4+WL	Y	Y	Water sample collected in January 2018.
ESP-4	623105	SO4+WL	Y	Y	Water sample collected in October 2017.		N	N	Not scheduled for first quarter 2018.
ESP-5	623106	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
FFS-1	221662	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
FFS-2	221663	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
FFS-3	221664	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
FFS-4	221665	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
FFS-5	221666	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
FFS-6	221667	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
FICO C-4	624010	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
FICO E-6	624013	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
GV-01-GVDWID	603428	SO4+WL	Y	Y	Water sample collected in October 2017.	SO4+WL	Y	Y	Water sample collected in February 2018.
GV-01-PCWW	509603	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
GV-02-GVDWID	603429	SO4+WL	Y	Y	Water sample collected in October 2017.	SO4+WL	Y	Y	Water sample collected in February 2018.
GV-02-PCWW	509604	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
GV-SI-GVDWID	208825	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
HAVEN GOLF	515867		N	N	Not scheduled for fourth quarter 2017.		N	N	Not scheduled for first quarter 2018.
I-10	608525	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
IW-1	623129	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
IW-2A	216464	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
IW-3A	201732	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
IW-4	623132	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
IW-5A	219131	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
IW-6A	545565	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
IW-8	508236	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
IW-9	508238	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
IW-10	508237	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.

CLEAR CREEK ASSOCIATES

TABLE 2
Monitoring Summary - Fourth Quarter 2017 and First Quarter 2018

Well Name	ADWR 55 Well Registry No.	Fourth Quarter 2017				First Quarter 2018			
		Requirement	Sample Collected	Water Level Collected	Comment	Requirement	Sample Collected	Water Level Collected	Comment
IW-11	508235	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
IW-12	545555	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
IW-13	545556	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
IW-14	545557	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
IW-15	545558	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
IW-16	545559	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
IW-17	545560	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
IW-18	545561	WLO	N	N	Water level not measured due to obstruction.		N	N	Not scheduled for first quarter 2018.
IW-19	545562	WLO	N	N	Water level not measured due to obstruction.		N	N	Not scheduled for first quarter 2018.
IW-20	545563	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
IW-21	545564	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
IW-22	200554	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
IW-23	200555	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
IW-24	200556	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
IW-25	219596	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
IW-26	219143	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
IW-27	219136	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
IW-28	219137	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
IW-29	222865	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
M-5	87387	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
M-8	87390	SO4+WL	Y	Y	Water sample collected in October 2017.	SO4+WL	Y	Y	Water sample collected in January 2018. Confirmation sample collected in March 2018.
M-9	501652	WLO	Y	Y	Water sample collected in October 2017.	SO4+WL	Y	Y	Water sample collected in January 2018.
M-10	501653	SO4+WL	Y	Y	Water sample collected in October 2017.	SO4+WL	Y	Y	Water sample collected in January 2018.
M-11	501654	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
M-13	508428	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
M-20	906595	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
MC-1	221660	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
MC-2	221761	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
MC-3	221661	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
MC-4	220842	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
MH-1	803629	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
MH-3	803630	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
MH-5	803632	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
MH-6	803633	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
MH-7	803634	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
MH-9	803635	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
MH-10	803636	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
MH-11	803637	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.

TABLE 2
Monitoring Summary - Fourth Quarter 2017 and First Quarter 2018

Well Name	ADWR 55 Well Registry No.	Fourth Quarter 2017				First Quarter 2018			
		Requirement	Sample Collected	Water Level Collected	Comment	Requirement	Sample Collected	Water Level Collected	Comment
MH-13A	904071	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
MH-13B	904072	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
MH-13C	904073	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
MH-14	528098	WLO	Y	Y	Water sample collected in October 2017.		N	N	Not scheduled for first quarter 2018.
MH-15E	528094	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
MH-16E	528100	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
MH-16W	528099	WLO	Y	Y	Water sample collected in October 2017.		N	N	Not scheduled for first quarter 2018.
MH-25A	201528	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
MH-25B	208429	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
MH-25C	208426	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
MH-26B	208427	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
MH-26C	208428	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
MH-28	903648	SO4+WL	Y	Y	Water sample collected in October 2017.		N	N	Not scheduled for first quarter 2018.
MH-29	903649	SO4+WL	Y	Y	Water sample collected in October 2017.		N	N	Not scheduled for first quarter 2018.
MH-30	903884	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
MO-2007-1A	907342	SO4+WL	Y	Y	Water sample collected in October 2017.		N	N	Not scheduled for first quarter 2018.
MO-2007-1B	907210	SO4+WL	Y	Y	Water sample collected in October 2017.		N	N	Not scheduled for first quarter 2018.
MO-2007-1C	907209	SO4+WL	Y	Y	Water sample collected in October 2017.		N	N	Not scheduled for first quarter 2018.
MO-2007-2	906765	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
MO-2007-3B[2]	906816	SO4+WL	Y	Y	Water sample collected in October 2017.	SO4+WL	Y	Y	Water sample collected in January 2018.
MO-2007-3C[2]	906817	SO4+WL	Y	Y	Water sample collected in October 2017.	SO4+WL	Y	Y	Water sample collected in January 2018.
MO-2007-4A[3]	907213	SO4+WL	Y	Y	Water sample collected in October 2017.	SO4+WL	Y	Y	Water sample collected in January 2018.
MO-2007-4B[3]	907212	SO4+WL	Y	Y	Water sample collected in October 2017.	SO4+WL	Y	Y	Water sample collected in January 2018.
MO-2007-4C[3]	907211	SO4+WL	Y	Y	Water sample collected in October 2017.	SO4+WL	Y	Y	Water sample collected in January 2018.
MO-2007-5B	907456	SO4+WL	Y	Y	Water sample collected in October 2017.		N	N	Not scheduled for first quarter 2018.
MO-2007-5C	907457	SO4+WL	Y	Y	Water sample collected in October 2017.		N	N	Not scheduled for first quarter 2018.
MO-2007-6A[4]	907607	SO4+WL	Y	Y	Water sample collected in October 2017.	SO4+WL	Y	Y	Water sample collected in January 2018.
MO-2007-6B[4]	907606	SO4+WL	Y	Y	Water sample collected in October 2017.	SO4+WL	Y	Y	Water sample collected in January 2018.
MO-2009-1[5]	910458	SO4+WL	Y	Y	Water sample collected in October 2017.	SO4+WL	Y	Y	Water sample collected in January 2018.
MW-2016-5A	919635	SO4+WL	Y	Y	Water sample collected in October 2017.	SO4+WL	Y	Y	Water sample collected in January 2018.
MW-2016-5B	919472	SO4+WL	Y	Y	Water sample collected in October 2017.	SO4+WL	Y	Y	Water sample collected in January 2018.
MW-2016-6	919676	SO4+WL	Y	Y	Water sample collected in October 2017.	SO4+WL	Y	Y	Water sample collected in January 2018.
NP-2[2]	605898	SO4+WL	Y	Y	Water sample collected in October 2017.	SO4+WL	N	N	Well is not operational.
PS-1	220861	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
PS-2	220862	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
PS-3	220863	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
PS-4	220864	WLO	N	Y	Water level measured in October 2017.		N	N	Not scheduled for first quarter 2018.
PZ-7	561870	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
PZ-8	561866	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.

TABLE 2
Monitoring Summary - Fourth Quarter 2017 and First Quarter 2018

Well Name	ADWR 55 Well Registry No.	Fourth Quarter 2017				First Quarter 2018			
		Requirement	Sample Collected	Water Level Collected	Comment	Requirement	Sample Collected	Water Level Collected	Comment
S-1	623111	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
ST-6	608530	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
1225	634394	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
1350	ND	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
1759	634393	WLO	N	Y	Water level measured in November 2017.		N	N	Not scheduled for first quarter 2018.
2125	514015	WLO	N	Y	Water level measured in December 2017.		N	N	Not scheduled for first 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*
[6] *Quarterly during Contingency Plan or until second quarter of 2018; sampling reverts to second and fourth quarters only after Contingency Plan or second quarter 2018*

CLEAR CREEK ASSOCIATES

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
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

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

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

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

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

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
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

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-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
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
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
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

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-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

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

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

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
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
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
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
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
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

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
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

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-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
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
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
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
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
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
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
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

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
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

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
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
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

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-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
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
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
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

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-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
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
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

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-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
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
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
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
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

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-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
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
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

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-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
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

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

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
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

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
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

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
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

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

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

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

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

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

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
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

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

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

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
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
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
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

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)
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
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

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-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
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
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
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

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-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
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

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
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

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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
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
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

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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
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
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		347.90	Static	2430.71	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

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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
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

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		2582.60	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
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

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
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

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

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

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

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

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-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
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
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
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
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

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
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
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

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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
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
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

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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-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
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

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-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

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-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
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
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

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
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
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
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
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
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
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
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

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	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
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

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

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	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
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

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-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
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

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-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
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
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
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
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
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
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
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
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

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

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

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
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
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

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

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

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
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
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
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

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

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

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

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
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

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
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

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
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

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
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

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
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

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

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

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

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

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

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

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
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

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-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

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

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

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

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

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

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

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

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

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

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

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

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[2]	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

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

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

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

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

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

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

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

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

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[2]	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
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
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

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-2016-6	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
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

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

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

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

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
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

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
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
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

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
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
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

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

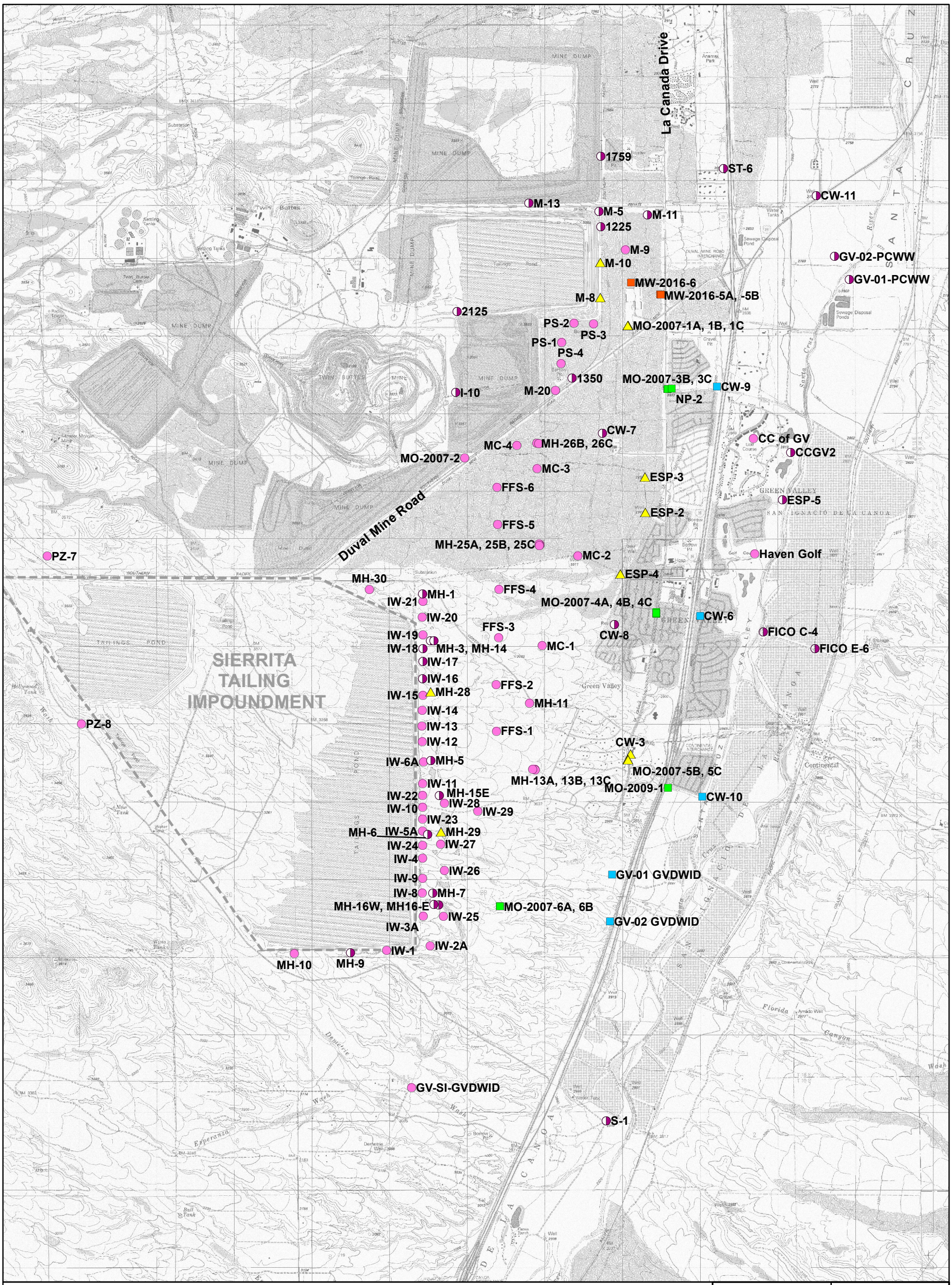
NA = Not applicable

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)

Scale

0 2,000 4,000 8,000

Feet

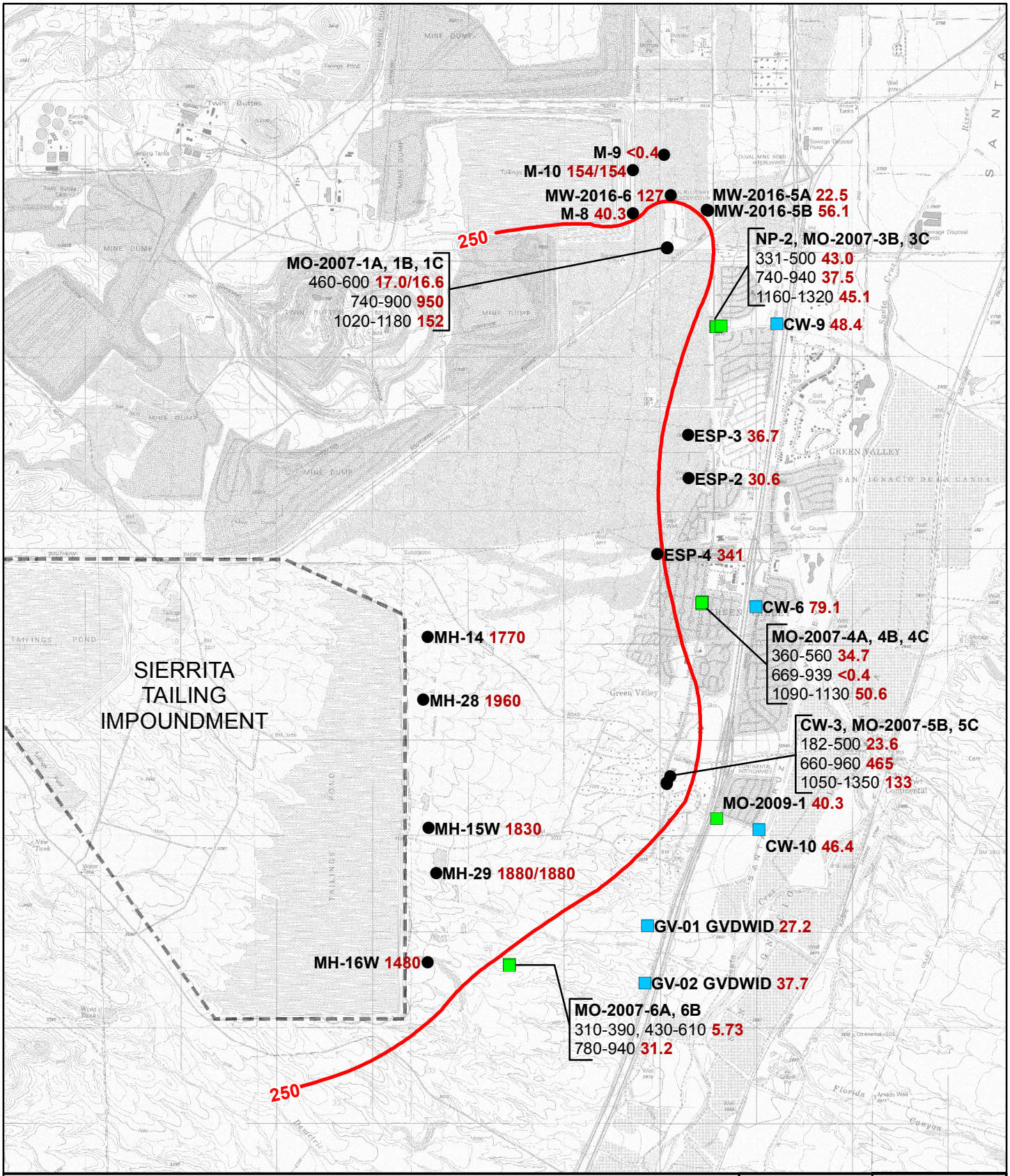
Notes

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

Date	File ID
4/23/18	055039-006G

CLEAR CREEK ASSOCIATES

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



Legend

- 250 mg/L Sulfate Concentration Contour
- **CW-6** Well ID
- **79.1** Sulfate Concentration (milligrams per Liter, 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

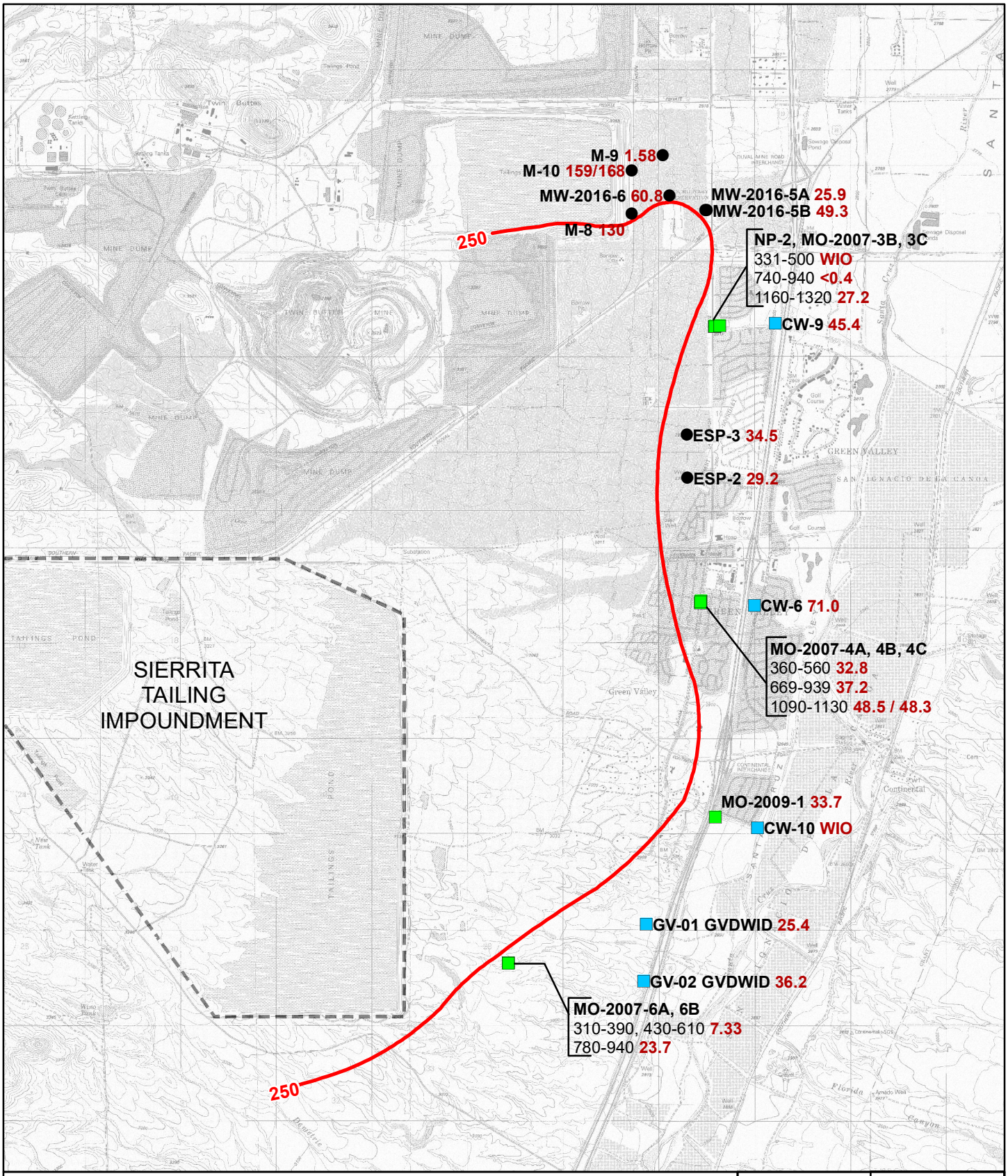
Projection: UTM Zone 12N NAD83
mg/L = milligrams per liter

CLEAR CREEK ASSOCIATES

File ID 055039-229

Date 3/1/18

FIGURE 2
Sulfate Concentrations in Groundwater, Fourth Quarter 2017



Legend

- Sulfate Concentration Contour
- **CW-6** Well ID
- **71.0** Sulfate Concentration (mg/L, Duplicate results separated by "/")
- **WIO** Well Inoperable
- 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 055039-243
Date 4/3/18

FIGURE 3
Sulfate Concentrations in Groundwater
First Quarter 2018

1759 2483.04
ST-6 2488.88
CW-11 2430.71
M-13 2489.93
M-5 2486.64
1225 2487.58
M-11 2489.42
M-9 2487.57
M-10 2489.04
GV-02-PCWW 2611.22
MW-2016-5A, 5B
498-739 2487.33
813-1101 2490.19
GV-01-PCWW 2613.10
MW-2016-6 2489.50
M-8 2489.01
MO-2007-1A, 1B, 1C
460-600 2492.26
740-900 2492.34
1020-1180 2496.96
2125 2494.32
PS-3 2464.89
PS-2 2470.76
PS-1 2475.63
PS-4 2481.94
NP-2, MO-2007-3B, 3C
331-500 2501.50
740-940 2501.11
1160-1320 2500.87
1350 2498.45
I-10 2500.08
M-20 2500.29
CW-9 2506.75
MH-26B, 26C
620-730 2514.23
780-900 2511.52
CW-7 2505.00
MC-4 2495.54
MO-2007-2 2511.52
MC-3 2508.30
CCGV2 2545.88
MH-25A, 25B, 25C
410-530 2534.95
580-680 2536.12
731-901, 951-1081 2535.43
FFS-6 2515.65
ESP-3 2521.80
ESP-5 2565.18
ESP-2 UTM
FFS-5 2510.67
PZ-7 3409.62
MC-2 2525.93
FICO E-8 2589.50
ESP-4 2545.01
MH-30 2806.87
FFS-4 2407.47
IW-21 2742.67
MH-1 2717.57
FICO E-7 2601.00
IW-20 2734.99
CW-6 2557.20
CW-8 2553.34
IW-19 UTM
FFS-3 2536.90
MC-1 2544.59
FICO C-4 2596.47
IW-18 UTM
MH-14 2704.12
FICO E-6 2606.16
IW-17 2716.96
MH-3 2708.17
MO-2007-4A, 4B, 4C
360-560 2557.52
669-939 2551.70
1090-1130 2553.87
IW-16 2750.60
FFS-2 2576.61
IW-15 2752.37
MH-28 2727.29
MH-11 2601.47
IW-14 2752.97
PZ-8 3246.94
IW-13 2744.85
FFS-1 2590.18
FICO W-9 2629.48
CW-3, MO-2007-5B, 5C
182-500 2623.52
660-960 2623.80
1050-1350 2615.91
IW-12 2675.23
IW-6A 2726.41
MH-5 2712.12
IW-11 2619.40
MO-2009-1 2627.86
MH-15W, 15E 2717.07, 2713.15
CW-10 2625.00
IW-22 2733.65
IW-28 2681.41
IW-10 2735.74
IW-29 2650.15
MH-13A, 13B, 13C
300-650 2642.02
750-950 2635.84
1050-1350 2569.11
IW-23 2761.13
MH-6 2757.37
IW-5A 2711.92
MH-29 2735.56
IW-24 2768.14
IW-27 2681.73
IW-4 2767.46
IW-26 2687.13
GV-01 GVDWID 2674.92
IW-9 2752.99
IW-8 2702.89
MH-7 2737.63
MH-16W, 16E 2740.49, 2737.48
IW-3A 2746.55
IW-25 2678.19
GV-02 GVDWID 2682.47
IW-1 2715.04
IW-2A 2754.78
MH-10 2814.83
MH-9 2779.57
FICO E-9 2713.40
MO-2007-6A, 6B
310-390 2712.37
780-940 2697.20
GV-SI-GVDWID 2778.80
S-1 2762.50
SIERRITA TAILING IMPOUNDMENT

Legend

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

CW-3 Well ID
2623.52 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

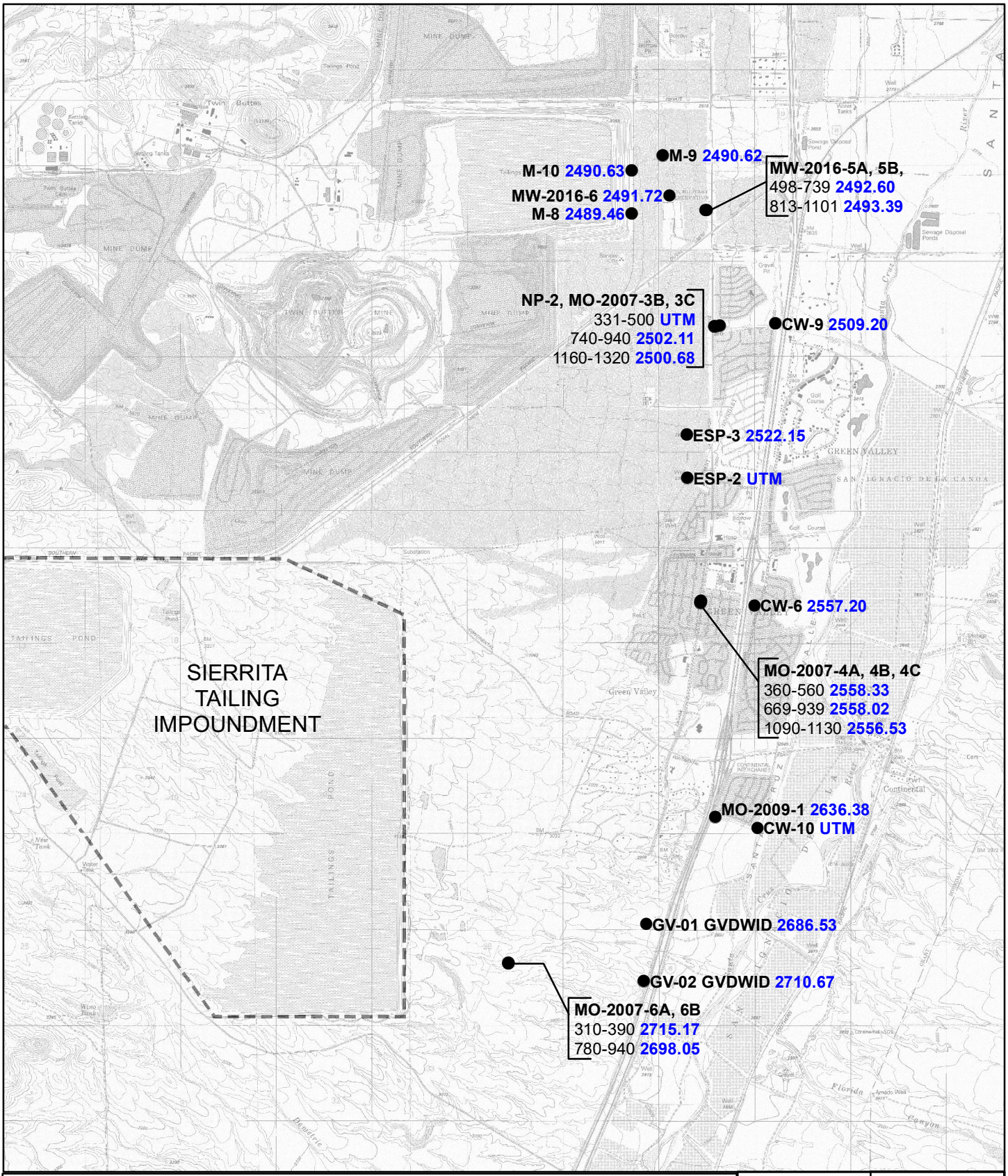
Projection: UTM Zone 12N NAD83
ft amsl = feet above mean sea level
ft bls = feet below land surface

CLEAR CREEK ASSOCIATES

File ID
055039-228A

Date
3/30/18

FIGURE 4
Groundwater Elevations,
Fourth Quarter 2017



Legend

CW-9 Well ID

2509.20 Groundwater Elevation (ft amsl)

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

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

Well Symbols

● Wells with Static 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 055039-242

Date 4/3/18

FIGURE 5
Groundwater Elevations
First 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

May 15, 2018

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1. INTRODUCTION

This report summarizes the data verification review of groundwater samples collected and analyzed during the fourth quarter 2017 and first quarter 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
Fourth Quarter 2017 Number of wells sampled: 34 Number of well samples collected (including duplicates and multiple samples from one well): 37 Number of duplicate samples collected: 3 Number of blanks collected: 6 Number of reanalyzed samples: 0 Total number of analyses: 43	
L40353	M-10, M-8, M-9, MW-2016-06, MW-2016-05B, MW-2016-05A, MO-2007-5C, MO-2007-5B, MO-2009-1, MO-2007-1A, MO-2007-1C, MO-2007-1B, DUP20171002A, DUP20171005A, EQB20171004A, EQB20171005A, FB20171004A, FB20171005A
L40489	MH-28, MH-29, DUP20171011A, EQB20171011A, FB20171011A
L40490	MO-2007-3C, MO-2007-3B, MO-2007-4C, MO-2007-4B, MO-2007-4A, MO-2007-6B, MO-2007-6A
L40682	MH-14, MH-15W, MH-16W,
L40683	ESP-3, ESP-2, ESP-4
L40823	CW-6, CW-10, CW-9, GV-1, GV-2, NP-2
L41502	CW-3
First Quarter 2018 Number of wells sampled: 20 Number of well samples collected (including duplicates and multiple samples from one well): 23 Number of duplicate samples collected: 2 Number of blanks collected: 4 Number of reanalyzed samples: 1 Total number of analyses: 28	
L42192	M-10, M-8, M-9, MW-2016-6, MW-2016-05B, MW-2016-05A, MO-2007-3B, MO-2007-3C, MO-2007-6B, MO-2007-6A, EQB20180109A, FB20180109A, DUP20180109A
L42317	MO-2007-4C, MO2007-4B, MO-2007-4A, ESP-2, ESP-3, MO-2009-1, DUP20180115A
L42690	CW-6, CW-9, GV-1, GV-2, EQB20180213A, FB20180213A
L43472	M-8

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 fourth quarter 2017 and first 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 five samples on report L40489 and six samples on report L40490. The samples were measured at 18.9 degrees Celsius but ice was reported in the coolers according to the laboratory check-in information on the laboratory reports. The laboratory indicated in an email to Clear Creek Associates, that the high temperatures may have been a mistake if ice was present in the coolers. The results for the samples 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)
- ASTM International Method D516-02/-07 (Turbidimetric)

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	0.4-4	2-20	10
D516-02/-07	1-50	5-250	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 are 2 and 5 mg/L depending on the analytical method. 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 but 7 samples submitted for sulfate analysis were analyzed within the twenty-eight day holding time specified by each of the methods used for analysis. Samples analyzed outside the holding time are qualified with an "H" flag. The reason for the hold time exceedances is included in the laboratory reports. For the fourth quarter 2017 six samples were analyzed outside of hold time because of laboratory equipment malfunction, troubleshooting, and maintenance. In the first quarter 2018 one sample (M-8) was re-analyzed outside of the 28-day hold time, although the original analysis was completed within the hold time. The re-analysis is discussed in Section 3.5.5.

The sulfate results for the six samples analyzed outside hold times in the fourth 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 fourth quarter 2017 were due to laboratory equipment malfunction 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 “M1” and “M2” qualifiers were not used in a report. The “M3” flag was used in the L40682 report. In the case of report L40682 the method control sample recovery was checked to ensure that it was acceptable. The method 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

During the fourth quarter 2017 no samples were submitted for re-analysis. One sample was submitted for re-analysis in the first quarter 2018. The re-analysis of the sample from M-8 was conducted because the initial analytical result was outside the historical concentration range for the 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)	RPD
L42192	M-8	267	259	3.04%

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

The re-analysis results confirmed the original result. A confirmation sample collected on March 29, 2018 was analyzed and found to contain 130 mg/L sulfate. The results from the original sample and the confirmation sample are included in Table 3 of the main report. The March sample is used on Figure 3 of the main report as it is the most recent sample.

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, five field duplicate samples were collected by Sierrita for filtered sulfate analysis. Three field duplicates were collected in the fourth quarter 2017 (DUP20171002A, DUP20171005A, and DUP20171011A) and two field duplicates were collected in the first quarter 2018 (DUP20180109A and DUP20180115A). The collection of three field duplicate samples in the fourth quarter of 2017 exceeds the QAPP objective of one duplicate sample for every 20 groundwater samples collected. The collection of two field duplicate samples in the first quarter of 2018 exceeds 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 5.50 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
L40353	M-10	DUP20171002A	154	154	0.00%
L40353	MO-2007-1A	DUP20171005A	17.0	16.6	2.38%
L40489	MH-29	DUP20171011A	1880	1880	0.00%
L42192	M-10	DUP20180109A	159	168	5.50%
L42317	MO-2007-4C	DUP20180115A	48.5	48.3	0.41%

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

November 14, 2017

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, Deborah Chismar, William Hart

Project ID: ZS0000079
ACZ Project ID: L40353

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on October 06, 2017. This project has been assigned to ACZ's project number, L40353. 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 L40353. 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 December 14, 2017. 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-10

ACZ Sample ID: ***L40353-01***
Date Sampled: *10/02/17 08:54*
Date Received: *10/06/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	2	154			mg/L	0.8	4	10/28/17 0:24	krh

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: M-8

ACZ Sample ID: ***L40353-02***
Date Sampled: *10/02/17 10:35*
Date Received: *10/06/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	40.3			mg/L	0.4	2	10/28/17 0:42	krh

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: M-9

ACZ Sample ID: ***L40353-03***
Date Sampled: *10/02/17 13:43*
Date Received: *10/06/17*
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	10/28/17 1:00	krh

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MW-2016-06

ACZ Sample ID: ***L40353-04***
Date Sampled: *10/03/17 09:45*
Date Received: *10/06/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	5	127	H	*	mg/L	2	10	11/03/17 18:26	krh

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MW-2016-05B

ACZ Sample ID: ***L40353-05***
Date Sampled: *10/03/17 11:05*
Date Received: *10/06/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	56.1			mg/L	0.4	2	10/31/17 2:17	krh

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MW-2016-05A

ACZ Sample ID: ***L40353-06***
Date Sampled: *10/03/17 12:51*
Date Received: *10/06/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	22.5			mg/L	0.4	2	10/31/17 2:53	krh

Arizona license number: AZ0102

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

ACZ Sample ID: ***L40353-07***
Date Sampled: *10/04/17 09:53*
Date Received: *10/06/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	2	133	H	*	mg/L	0.8	4	11/03/17 20:14	krh

Arizona license number: AZ0102

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

ACZ Sample ID: ***L40353-08***
Date Sampled: *10/04/17 11:44*
Date Received: *10/06/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	10	465			mg/L	4	20	10/31/17 23:46	krh

Arizona license number: AZ0102

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

ACZ Sample ID: ***L40353-09***
Date Sampled: *10/04/17 13:40*
Date Received: *10/06/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	40.3			mg/L	0.4	2	11/01/17 0:03	krh

Arizona license number: AZ0102

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

ACZ Sample ID: ***L40353-10***
Date Sampled: *10/05/17 12:11*
Date Received: *10/06/17*
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	11/01/17 19:23	krh

Arizona license number: AZ0102

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

ACZ Sample ID: ***L40353-11***
Date Sampled: *10/05/17 09:50*
Date Received: *10/06/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	2	152	H	*	mg/L	0.8	4	11/09/17 3:36	krh

Arizona license number: AZ0102

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

ACZ Sample ID: ***L40353-12***
Date Sampled: *10/05/17 11:36*
Date Received: *10/06/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	10	950		*	mg/L	4	20	11/01/17 19:58	krh

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: DUP20171002A

ACZ Sample ID: ***L40353-13***
Date Sampled: *10/02/17 00:00*
Date Received: *10/06/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	2	154	H	*	mg/L	0.8	4	11/06/17 19:58	krh

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: DUP20171005A

ACZ Sample ID: ***L40353-14***
Date Sampled: *10/05/17 00:00*
Date Received: *10/06/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	16.6		*	mg/L	0.4	2	11/01/17 20:16	krh

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: EQB20171004A

ACZ Sample ID: ***L40353-15***
Date Sampled: *10/04/17 00:00*
Date Received: *10/06/17*
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	11/01/17 0:21	krh

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: EQB20171005A

ACZ Sample ID: ***L40353-16***
Date Sampled: *10/05/17 00:00*
Date Received: *10/06/17*
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	11/01/17 21:10	krh

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: FB20171004A

ACZ Sample ID: ***L40353-17***
Date Sampled: *10/04/17 00:00*
Date Received: *10/06/17*
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	11/01/17 0:57	krh

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: FB20171005A

ACZ Sample ID: ***L40353-18***
Date Sampled: *10/05/17 00:00*
Date Received: *10/06/17*
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	11/01/17 21:28	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: ***L40353***

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG430666													
WG430666ICV	ICV	09/06/17 17:19	WI170906-9	50		49.5	mg/L	99	90	110			
WG430666ICB	ICB	09/06/17 17:36				U	mg/L		-0.5	0.5			
WG434656													
WG434656LFB	LFB	10/27/17 16:56	WI170906-10	30		31.2	mg/L	104	90	110			
L40276-15DUP	DUP	10/27/17 21:43			8.93	8.93	mg/L				0	20	
L40276-16AS	AS	10/27/17 22:19	WI170906-10	30	20.5	51.2	mg/L	102	90	110			
WG434725													
WG434725LFB1	LFB	10/30/17 17:55	WI170906-10	30		31	mg/L	103	90	110			
L40308-03DUP	DUP	10/30/17 22:42			1910	1910	mg/L				0	20	
L40308-04AS	AS	10/30/17 23:17	WI170906-10	1500	1950	3430	mg/L	99	90	110			
WG434725LFB2	LFB	10/31/17 2:35	WI170906-10	30		30.6	mg/L	102	90	110			
L40353-06DUP	DUP	10/31/17 3:10			22.5	22.5	mg/L				0	20	
L40361-01AS	AS	10/31/17 4:22	WI170906-10	300	U	300	mg/L	100	90	110			
WG434927													
WG434927LFB	LFB	10/31/17 19:53	WI170906-10	30		31.1	mg/L	104	90	110			
L40178-01DUP	DUP	10/31/17 21:04			34.6	34.5	mg/L				0	20	
L40303-01AS	AS	10/31/17 21:40	WI170906-10	150	196	350	mg/L	103	90	110			
L40353-15DUP	DUP	11/01/17 0:39			U	U	mg/L				0	20	RA
L40353-17AS	AS	11/01/17 1:15	WI170906-10	30	U	31	mg/L	103	90	110			
WG435015													
WG435015LFB	LFB	11/01/17 17:53	WI170906-10	30		31.4	mg/L	105	90	110			
L40182-02DUP	DUP	11/01/17 18:29			37.6	37.4	mg/L				1	20	RA
L40182-03AS	AS	11/01/17 19:05	WI170906-10	300	6.4	313	mg/L	102	90	110			

FMI Gold & Copper - Sierrita ACZ Project ID: ***L40353***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L40353-04	WG434725	Sulfate	M300.0 - Ion Chromatography	H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
L40353-07	WG434927	Sulfate	M300.0 - Ion Chromatography	H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
L40353-10	WG435015	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).
L40353-11	WG435015	Sulfate	M300.0 - Ion Chromatography	H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
			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).
L40353-12	WG435015	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).
L40353-13	WG434656	Sulfate	M300.0 - Ion Chromatography	H2	Initial analysis within holding time. Reanalysis for the required dilution was past holding time.
L40353-14	WG435015	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).
L40353-15	WG434927	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).
L40353-16	WG435015	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).
L40353-17	WG434927	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).
L40353-18	WG435015	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: ***L40353***

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: L40353
Date Received: 10/06/2017 10:13
Received By:
Date Printed: 10/6/2017

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?
NA27047	5.9	<=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:	L40353
Date Received:	10/06/2017 10:13
Received By:	
Date Printed:	10/6/2017

[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. L 40353

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-10	10/2/17 : 0854	GW	1	X							
M-8	10/2/17 : 1035	GW	1	X							
M-9	10/2/17 : 1343	GW	1	X							
MW-2016-06	10/3/17 : 0945	GW	1	X							
MW-2016-05B	10/3/17 : 1105	GW	1	X							
MW-2016-05A	10/3/17 : 1251	GW	1	X							
MO-2007-5C	10/4/17 : 0953	GW	1	X							
MO-2007-5B	10/4/17 : 1144	GW	1	X							
MO-2009-1	10/4/17 : 1340	GW	1	X							
MO-2007-1A	10/5/17 : 1211	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 dchismar and whart @fmi.com
UPS Tracking # 1Z 867 7E4 23 1001 327 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	10/5/17 : 1530	BCB	10/6/17 1013

L40353 Chain of Custody

ACZ Laboratories, Inc. L 40353

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							
MO-2007-1C	10/5/17 : 0950	GW	1	X							
MO-2007-1B	10/5/17: 1136	GW	1	X							
DUP20171002A	10/2/17 : 0000	GW	1	X							
DUP20171005A	10/5/17 : 0000	GW	1	X							
EQB20171004A	10/4/17 : 0000	GW	1	X							
EQB20171005A	10/5/17 : 0000	GW	1	X							
FB20171004A	10/4/17 : 0000	GW	1	X							
FB20171005A	10/5/17 : 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 dchismar and whart @fmi.com
UPS Tracking # 1Z 867 7E4 23 1001 327 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	10/5/17 : 1530	BCR	10/6/17 1013

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 - SULFATE ONLY
ACZ Project ID: L40489

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on October 12, 2017. This project has been assigned to ACZ's project number, L40489. 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 L40489. 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: MH-28

ACZ Sample ID: ***L40489-01***
Date Sampled: *10/11/17 08:08*
Date Received: *10/12/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	1960		*	mg/L	50	250	11/01/17 8:38	jmm

Arizona license number: AZ0102

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

ACZ Sample ID: ***L40489-02***
Date Sampled: *10/11/17 08:32*
Date Received: *10/12/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	1880		*	mg/L	50	250	11/01/17 8:38	jmm

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MH-18

ACZ Sample ID: ***L40489-03***
Date Sampled: *10/11/17 11:29*
Date Received: *10/12/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	986		*	mg/L	50	250	11/01/17 8:48	jmm

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: DUP20171011A

ACZ Sample ID: ***L40489-04***
Date Sampled: *10/11/17 00:00*
Date Received: *10/12/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	1880		*	mg/L	50	250	11/01/17 8:38	jmm

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: EQB20171011A

ACZ Sample ID: ***L40489-05***
Date Sampled: *10/11/17 00:00*
Date Received: *10/12/17*
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	11/06/17 19:16	krh

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: FB20171011A

ACZ Sample ID: ***L40489-06***
Date Sampled: *10/11/17 00:00*
Date Received: *10/12/17*
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	11/06/17 19:52	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: ***L40489***

Antimony, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG434495													
WG434495ICV	ICV	10/25/17 22:33	MS171020-3	.02		.02145	mg/L	107	90	110			
WG434495ICB	ICB	10/25/17 22:36				U	mg/L		-0.0012	0.0012			
WG434495LFB	LFB	10/25/17 22:39	MS171009-2	.01		.00952	mg/L	95	85	115			
L40481-07AS	AS	10/25/17 23:29	MS171009-2	.01	.01	.01923	mg/L	92	70	130			
L40481-07ASD	ASD	10/25/17 23:32	MS171009-2	.01	.01	.01911	mg/L	91	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
WG434495													
WG434495ICV	ICV	10/25/17 22:33	MS171020-3	.05		.05096	mg/L	102	90	110			
WG434495ICB	ICB	10/25/17 22:36				U	mg/L		-0.0006	0.0006			
WG434495LFB	LFB	10/25/17 22:39	MS171009-2	.0501		.04994	mg/L	100	85	115			
L40481-07AS	AS	10/25/17 23:29	MS171009-2	.0501	.0374	.09144	mg/L	108	70	130			
L40481-07ASD	ASD	10/25/17 23:32	MS171009-2	.0501	.0374	.09026	mg/L	106	70	130	1	20	

Beryllium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG434495													
WG434495ICV	ICV	10/25/17 22:33	MS171020-3	.05		.0469	mg/L	94	90	110			
WG434495ICB	ICB	10/25/17 22:36				U	mg/L		-0.00015	0.00015			
WG434495LFB	LFB	10/25/17 22:39	MS171009-2	.05035		.04815	mg/L	96	85	115			
L40481-07AS	AS	10/25/17 23:29	MS171009-2	.05035	U	.04935	mg/L	98	70	130			
L40481-07ASD	ASD	10/25/17 23:32	MS171009-2	.05035	U	.04983	mg/L	99	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
WG434495													
WG434495ICV	ICV	10/25/17 22:33	MS171020-3	.05		.05108	mg/L	102	90	110			
WG434495ICB	ICB	10/25/17 22:36				U	mg/L		-0.0003	0.0003			
WG434495LFB	LFB	10/25/17 22:39	MS171009-2	.05005		.04939	mg/L	99	85	115			
L40481-07AS	AS	10/25/17 23:29	MS171009-2	.05005	U	.05113	mg/L	102	70	130			
L40481-07ASD	ASD	10/25/17 23:32	MS171009-2	.05005	U	.05142	mg/L	103	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
WG434195													
WG434195ICV	ICV	10/23/17 12:10	II171002-1	2		1.93	mg/L	97	95	105			
WG434195ICB	ICB	10/23/17 12:16				U	mg/L		-0.03	0.03			
WG434195LFB	LFB	10/23/17 12:28	II171016-2	.498		.519	mg/L	104	85	115			
L40386-04AS	AS	10/23/17 12:40	II171016-2	.498	U	.5	mg/L	100	85	115			
L40386-04ASD	ASD	10/23/17 12:43	II171016-2	.498	U	.501	mg/L	101	85	115	0	20	
L40489-03AS	AS	10/23/17 13:07	II171016-2	.498	U	.504	mg/L	101	85	115			
L40489-03ASD	ASD	10/23/17 13:10	II171016-2	.498	U	.51	mg/L	102	85	115	1	20	

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L40489***

Cobalt, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG434195													
WG434195ICV	ICV	10/23/17 12:10	II171002-1	2.002		1.906	mg/L	95	95	105			
WG434195ICB	ICB	10/23/17 12:16				U	mg/L		-0.03	0.03			
WG434195LFB	LFB	10/23/17 12:28	II171016-2	.5025		.524	mg/L	104	85	115			
L40386-04AS	AS	10/23/17 12:40	II171016-2	.5025	U	.496	mg/L	99	85	115			
L40386-04ASD	ASD	10/23/17 12:43	II171016-2	.5025	U	.505	mg/L	100	85	115	2	20	
L40489-03AS	AS	10/23/17 13:07	II171016-2	.5025	U	.513	mg/L	102	85	115			
L40489-03ASD	ASD	10/23/17 13:10	II171016-2	.5025	U	.526	mg/L	105	85	115	3	20	

Copper, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG434195													
WG434195ICV	ICV	10/23/17 12:10	II171002-1	2		1.943	mg/L	97	95	105			
WG434195ICB	ICB	10/23/17 12:16				U	mg/L		-0.03	0.03			
WG434195LFB	LFB	10/23/17 12:28	II171016-2	.5		.529	mg/L	106	85	115			
L40386-04AS	AS	10/23/17 12:40	II171016-2	.5	.03	.539	mg/L	102	85	115			
L40386-04ASD	ASD	10/23/17 12:43	II171016-2	.5	.03	.536	mg/L	101	85	115	1	20	
L40489-03AS	AS	10/23/17 13:07	II171016-2	.5	U	.535	mg/L	107	85	115			
L40489-03ASD	ASD	10/23/17 13:10	II171016-2	.5	U	.539	mg/L	108	85	115	1	20	

Fluoride SM4500F-C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG434192													
WG434192ICV	ICV	10/23/17 11:32	WC171019-7	2.006		1.98	mg/L	99	95	105			
WG434192ICB	ICB	10/23/17 11:39				U	mg/L		-0.15	0.15			
WG434192LFB	LFB	10/23/17 11:47	WC170811-7	5.015		4.952	mg/L	99	90	110			
L40471-04AS	AS	10/23/17 11:59	WC170811-7	5.015	.72	5.513	mg/L	96	90	110			
L40471-04DUP	DUP	10/23/17 12:04			.72	.813	mg/L				12	20	

Lead, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG434495													
WG434495ICV	ICV	10/25/17 22:33	MS171020-3	.05		.0518	mg/L	104	90	110			
WG434495ICB	ICB	10/25/17 22:36				U	mg/L		-0.0003	0.0003			
WG434495LFB	LFB	10/25/17 22:39	MS171009-2	.0496		.04924	mg/L	99	85	115			
L40481-07AS	AS	10/25/17 23:29	MS171009-2	.0496	U	.05117	mg/L	103	70	130			
L40481-07ASD	ASD	10/25/17 23:32	MS171009-2	.0496	U	.04994	mg/L	101	70	130	2	20	

Magnesium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG434195													
WG434195ICV	ICV	10/23/17 12:10	II171002-1	100		98.87	mg/L	99	95	105			
WG434195ICB	ICB	10/23/17 12:16				U	mg/L		-0.6	0.6			
WG434195LFB	LFB	10/23/17 12:28	II171016-2	50.18882		48.53	mg/L	97	85	115			
L40386-04AS	AS	10/23/17 12:40	II171016-2	50.18882	1.1	48.13	mg/L	94	85	115			
L40386-04ASD	ASD	10/23/17 12:43	II171016-2	50.18882	1.1	48.18	mg/L	94	85	115	0	20	
L40489-03AS	AS	10/23/17 13:07	II171016-2	50.18882	65.3	111	mg/L	91	85	115			
L40489-03ASD	ASD	10/23/17 13:10	II171016-2	50.18882	65.3	112.1	mg/L	93	85	115	1	20	

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L40489***

Molybdenum, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG434195													
WG434195ICV	ICV	10/23/17 12:10	II171002-1	2		2.026	mg/L	101	95	105			
WG434195ICB	ICB	10/23/17 12:16				U	mg/L		-0.06	0.06			
WG434195LFB	LFB	10/23/17 12:28	II171016-2	.5015		.517	mg/L	103	85	115			
L40386-04AS	AS	10/23/17 12:40	II171016-2	.5015	U	.497	mg/L	99	85	115			
L40386-04ASD	ASD	10/23/17 12:43	II171016-2	.5015	U	.499	mg/L	100	85	115	0	20	
L40489-03AS	AS	10/23/17 13:07	II171016-2	.5015	.04	.548	mg/L	101	85	115			
L40489-03ASD	ASD	10/23/17 13:10	II171016-2	.5015	.04	.559	mg/L	103	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
WG434495													
WG434495ICV	ICV	10/25/17 22:33	MS171020-3	.05		.05116	mg/L	102	90	110			
WG434495ICB	ICB	10/25/17 22:36				U	mg/L		-0.0018	0.0018			
WG434495LFB	LFB	10/25/17 22:39	MS171009-2	.0501		.04829	mg/L	96	85	115			
L40481-07AS	AS	10/25/17 23:29	MS171009-2	.0501	.0023	.05025	mg/L	96	70	130			
L40481-07ASD	ASD	10/25/17 23:32	MS171009-2	.0501	.0023	.05003	mg/L	95	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
WG434141													
WG434141ICV	ICV	10/21/17 13:56	WI170914-11	2.416		2.3	mg/L	95	90	110			
WG434141ICB	ICB	10/21/17 13:57				U	mg/L		-0.02	0.02			
WG434145													
WG434145LFB1	LFB	10/21/17 16:15	WI170705-5	2		1.922	mg/L	96	90	110			
WG434145LFB2	LFB	10/21/17 16:55	WI170705-5	2		1.881	mg/L	94	90	110			
L40489-01DUP	DUP	10/21/17 17:00			U	U	mg/L				0	20	RA
L40486-07AS	AS	10/21/17 17:24	WI170705-5	6	3.62	9.476	mg/L	98	90	110			

Residue, Filterable (TDS) @180C SM2540C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG433555													
WG433555PBW	PBW	10/13/17 16:30				U	mg/L		-20	20			
WG433555LCSW	LCSW	10/13/17 16:31	PCN54018	260		262	mg/L	101	80	120			
L40489-03DUP	DUP	10/13/17 16:59			1880	1880	mg/L				0	10	
WG433575													
WG433575PBW	PBW	10/14/17 17:15				U	mg/L		-20	20			
WG433575LCSW	LCSW	10/14/17 17:16	PCN54018	260		264	mg/L	102	80	120			
L40506-01DUP	DUP	10/14/17 17:40			61000	59800	mg/L				2	10	

Selenium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG434495													
WG434495ICV	ICV	10/25/17 22:33	MS171020-3	.05		.05189	mg/L	104	90	110			
WG434495ICB	ICB	10/25/17 22:36				U	mg/L		-0.0003	0.0003			
WG434495LFB	LFB	10/25/17 22:39	MS171009-2	.05005		.04899	mg/L	98	85	115			
L40481-07AS	AS	10/25/17 23:29	MS171009-2	.05005	.0001	.05418	mg/L	108	70	130			
L40481-07ASD	ASD	10/25/17 23:32	MS171009-2	.05005	.0001	.05465	mg/L	109	70	130	1	20	

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L40489***

Sulfate D516-02/-07 - Turbidimetric

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG434972													
WG434972ICB	ICB	11/01/17 8:07				U	mg/L		-3	3			
WG434972ICV	ICV	11/01/17 8:07	WI171030-2	20		19.5	mg/L	98	90	110			
WG434972LFB	LFB	11/01/17 8:23	WI170809-6	10		9.4	mg/L	94	90	110			
L40488-01AS	AS	11/01/17 8:30	WI170809-6	10	8	18.7	mg/L	107	90	110			
L40486-07DUP	DUP	11/01/17 8:44			2290	2310	mg/L				1	20	

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG434461													
WG434461ICV	ICV	10/25/17 15:23	WI170906-9	50		49.9	mg/L	100	90	110			
WG434461ICB	ICB	10/25/17 15:41				U	mg/L		-0.4	0.4			
WG435390													
WG435390LFB	LFB	11/06/17 18:58	WI170906-10	30		30	mg/L	100	90	110			
L40489-05DUP	DUP	11/06/17 19:34			U	U	mg/L				0	20	RA
L40489-06AS	AS	11/06/17 20:10	WI170906-10	30	U	30.4	mg/L	101	90	110			

Thallium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG434495													
WG434495ICV	ICV	10/25/17 22:33	MS171020-3	.05		.05377	mg/L	108	90	110			
WG434495ICB	ICB	10/25/17 22:36				U	mg/L		-0.0003	0.0003			
WG434495LFB	LFB	10/25/17 22:39	MS171009-2	.0501		.05054	mg/L	101	85	115			
L40481-07AS	AS	10/25/17 23:29	MS171009-2	.0501	.0002	.05313	mg/L	106	70	130			
L40481-07ASD	ASD	10/25/17 23:32	MS171009-2	.0501	.0002	.05218	mg/L	104	70	130	2	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L40489***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L40489-01	WG434192	Fluoride	SM4500F-C	Q6	Sample was received above recommended temperature.
	WG434145	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	Q6	Sample was received above recommended temperature.
			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).
	WG433555	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
			SM2540C	QF	The aliquot for total dissolved solids was taken from a field-filtered sample.
	WG434972	Sulfate	D516-02/-07 - Turbidimetric	Q6	Sample was received above recommended temperature.
L40489-02	WG434192	Fluoride	SM4500F-C	Q6	Sample was received above recommended temperature.
	WG434145	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	Q6	Sample was received above recommended temperature.
			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).
	WG433555	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
			SM2540C	QF	The aliquot for total dissolved solids was taken from a field-filtered sample.
	WG434972	Sulfate	D516-02/-07 - Turbidimetric	Q6	Sample was received above recommended temperature.
L40489-03	WG434192	Fluoride	SM4500F-C	Q6	Sample was received above recommended temperature.
	WG434145	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	Q6	Sample was received above recommended temperature.
			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).
	WG433555	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
			SM2540C	QF	The aliquot for total dissolved solids was taken from a field-filtered sample.
	WG434972	Sulfate	D516-02/-07 - Turbidimetric	Q6	Sample was received above recommended temperature.
L40489-04	WG434192	Fluoride	SM4500F-C	Q6	Sample was received above recommended temperature.
	WG434145	Nitrate/Nitrite as N	M353.2 - H2SO4 preserved	Q6	Sample was received above recommended temperature.
			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).
	WG433575	Residue, Filterable (TDS) @180C	SM2540C	Q6	Sample was received above recommended temperature.
			SM2540C	QF	The aliquot for total dissolved solids was taken from a field-filtered sample.
	WG434972	Sulfate	D516-02/-07 - Turbidimetric	Q6	Sample was received above recommended temperature.
L40489-05	WG435390	Sulfate	M300.0 - Ion Chromatography	Q6	Sample was received above recommended temperature.
			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).
L40489-06	WG435390	Sulfate	M300.0 - Ion Chromatography	Q6	Sample was received above recommended temperature.
			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: ***L40489***

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: L40489
Date Received: 10/12/2017 11:29
Received By:
Date Printed: 10/13/2017

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	

L40489-01 : A Raw container not received and the associated analysis could not be run.

L40489-02 : A Raw container not received and the associated analysis could not be run.

L40489-03 : A Raw container not received and the associated analysis could not be run.

L40489-04 : A Raw container not received and the associated analysis could not be run.

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?

FMI Gold & Copper - Sierrita
ZS0000079

ACZ Project ID: L40489
Date Received: 10/12/2017 11:29
Received By:
Date Printed: 10/13/2017

NA27091	18.9	<=6.0	15	N/A

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. L40489

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

CHAIN of CUSTODY

Report to:

Name: Jeff Joy
Company: Freeport-McMoRan Sierrita
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: Bill Hart
Company:
E-mail: whart@fmi.com
Telephone:

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? 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	Quarterly	Sulfate							
MH-28	10/11/17 : 0808	GW	3	x								
MH-29	10/11/17 : 0832	GW	3	x								
MH-18	10/11/17 : 1129	GW	3	x								
DUP20171011A	10/11/17 : 0000	GW	3	x								
EQB20171011A	10/11/17 : 0000	Other	1		x							
FB20171011A	10/11/17 : 0000	Other	1		x							

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

REMARKS

POC Wells Page 1 of 1 - "Other" under Matrix = DI water
UPS Tracking # 1Z 867 7E4 23 1001 328 9
Copy of report to Ben Daigneau contains only "SO4" results with QC Summary for all ID's except for MH-18
Please include copy of report to deborah_chismar@fmi.com (520-393-2347)

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	10/11/17 : 1530	BCE	10/12/17 1129

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

L40489 Chain of Custody

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

Analytical Report

November 21, 2017

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

cc: William Hart, Ben Daigneau

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

Project ID: ZS0000079
ACZ Project ID: L40490

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on October 12, 2017. This project has been assigned to ACZ's project number, L40490. 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 L40490. 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 December 21, 2017. 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: MO-2007-3C

ACZ Sample ID: ***L40490-01***
Date Sampled: *10/09/17 11:17*
Date Received: *10/12/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	5	45.1	H	*	mg/L	2	10	11/07/17 2:50	krh

Arizona license number: AZ0102

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

ACZ Sample ID: ***L40490-02***
Date Sampled: *10/09/17 13:00*
Date Received: *10/12/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	37.5	H	*	mg/L	0.4	2	11/07/17 3:26	krh

Arizona license number: AZ0102

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

ACZ Sample ID: ***L40490-03***
Date Sampled: *10/10/17 08:45*
Date Received: *10/12/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	50.6		*	mg/L	0.4	2	11/06/17 20:28	krh

Arizona license number: AZ0102

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

ACZ Sample ID: ***L40490-04***
Date Sampled: *10/10/17 10:30*
Date Received: *10/12/17*
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	11/06/17 20:46	krh

Arizona license number: AZ0102

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

ACZ Sample ID: ***L40490-05***
Date Sampled: *10/10/17 11:09*
Date Received: *10/12/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	34.7		*	mg/L	0.4	2	11/06/17 21:04	krh

Arizona license number: AZ0102

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

ACZ Sample ID: ***L40490-06***
Date Sampled: *10/10/17 14:13*
Date Received: *10/12/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	31.2		*	mg/L	0.4	2	11/06/17 21:22	krh

Arizona license number: AZ0102

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

ACZ Sample ID: ***L40490-07***
Date Sampled: *10/11/17 07:25*
Date Received: *10/12/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	5.73		*	mg/L	0.4	2	11/06/17 22:15	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: ***L40490***

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG430666													
WG430666ICV	ICV	09/06/17 17:19	WI170906-9	50		49.5	mg/L	99	90	110			
WG430666ICB	ICB	09/06/17 17:36				U	mg/L		-0.5	0.5			
WG434461													
WG434461ICV	ICV	10/25/17 15:23	WI170906-9	50		49.9	mg/L	100	90	110			
WG434461ICB	ICB	10/25/17 15:41				U	mg/L		-0.4	0.4			
WG435390													
WG435390LFB	LFB	11/06/17 18:58	WI170906-10	30		30	mg/L	100	90	110			
L40489-05DUP	DUP	11/06/17 19:34			U	U	mg/L				0	20	RA
L40489-06AS	AS	11/06/17 20:10	WI170906-10	30	U	30.4	mg/L	101	90	110			
WG435374													
WG435374LFB	LFB	11/06/17 21:45	WI170906-10	30		31.3	mg/L	104	90	110			
L40478-05DUP	DUP	11/07/17 2:32			U	U	mg/L				0	20	RA
L40490-01AS	AS	11/07/17 3:08	WI170906-10	150	45.1	200	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: ***L40490***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L40490-01	WG435374	Sulfate	M300.0 - Ion Chromatography	Q6	Sample was received above recommended temperature.
			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).
L40490-02	WG435374	Sulfate	M300.0 - Ion Chromatography	Q6	Sample was received above recommended temperature.
			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).
L40490-03	WG435390	Sulfate	M300.0 - Ion Chromatography	Q6	Sample was received above recommended temperature.
			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).
L40490-04	WG435390	Sulfate	M300.0 - Ion Chromatography	Q6	Sample was received above recommended temperature.
			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).
L40490-05	WG435390	Sulfate	M300.0 - Ion Chromatography	Q6	Sample was received above recommended temperature.
			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).
L40490-06	WG435390	Sulfate	M300.0 - Ion Chromatography	Q6	Sample was received above recommended temperature.
			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).
L40490-07	WG435390	Sulfate	M300.0 - Ion Chromatography	Q6	Sample was received above recommended temperature.
			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: ***L40490***

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: L40490
Date Received: 10/12/2017 11:29
Received By:
Date Printed: 10/13/2017

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?
NA27091	18.9	<=6.0	15	N/A

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:	L40490
Date Received:	10/12/2017 11:29
Received By:	
Date Printed:	10/13/2017

[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

L 40490

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								
MO-2007-3C	10/9/17 : 1117	GW	1	X								
MO-2007-3B	10/9/17 : 1300	GW	1	X								
MO-2007-4C	10/10/17 : 0845	GW	1	X								
MO-2007-4B	10/10/17 : 1030	GW	1	X								
MO-2007-4A	10/10/17 : 1109	GW	1	X								
MO-2007-6B	10/10/17 : 1413	GW	1	X								
MO-2007-6A	10/11/17 : 0725	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 1
Copy of report to Ben Daigneau contains only "SO4" results with QC Summary.
Please include copy of report to dchismar and whart @fmi.com
UPS Tracking # 1Z 867 7E4 23 1001 328 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	10/11/17 : 1530	BCC	10/12/17 1139

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

L40490 Chain of Custody

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: ZS000008QB - SULFATE ONLY
ACZ Project ID: L40682

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on October 20, 2017. This project has been assigned to ACZ's project number, L40682. 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 L40682. 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: ZS000008QB
Sample ID: MH-27

ACZ Sample ID: ***L40682-01***
Date Sampled: *10/16/17 08:35*
Date Received: *10/20/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	1260		*	mg/L	50	250	11/03/17 14:03	jmm

Arizona license number: AZ0102

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

ACZ Sample ID: ***L40682-02***
Date Sampled: *10/16/17 10:25*
Date Received: *10/20/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	840		*	mg/L	50	250	11/03/17 14:06	jmm

Arizona license number: AZ0102

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

ACZ Sample ID: ***L40682-03***
Date Sampled: *10/18/17 08:30*
Date Received: *10/20/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	987		*	mg/L	50	250	11/03/17 14:06	jmm

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: MH-14

ACZ Sample ID: ***L40682-04***
Date Sampled: *10/18/17 10:45*
Date Received: *10/20/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	1770		*	mg/L	50	250	11/03/17 14:06	jmm

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: MH-23

ACZ Sample ID: ***L40682-05***
Date Sampled: *10/19/17 09:00*
Date Received: *10/20/17*
Sample Matrix: *Ground Water*

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	11/03/17 14:06	jmm

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: MH-15W

ACZ Sample ID: ***L40682-06***
Date Sampled: *10/19/17 10:15*
Date Received: *10/20/17*
Sample Matrix: *Ground Water*

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	11/03/17 14:06	jmm

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: MH-16W

ACZ Sample ID: ***L40682-07***
Date Sampled: *10/19/17 11:15*
Date Received: *10/20/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	1480		*	mg/L	50	250	11/03/17 14:07	jmm

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: DUP20171018A

ACZ Sample ID: ***L40682-08***
Date Sampled: *10/18/17 00:00*
Date Received: *10/20/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	50	933		*	mg/L	50	250	11/03/17 14:07	jmm

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: EQB20171018A

ACZ Sample ID: ***L40682-09***
Date Sampled: *10/18/17 00:00*
Date Received: *10/20/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	1	3.5	B	*	mg/L	1	5	11/03/17 13:52	jmm

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS000008QB
Sample ID: FB20171018A

ACZ Sample ID: ***L40682-10***
Date Sampled: *10/18/17 00:00*
Date Received: *10/20/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07 - Turbidimetric	1		U	*	mg/L	1	5	11/03/17 13:52	jmm

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 %.
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Sample	Value of the Sample of interest

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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

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Spikes/Fortified Matrix	Determines sample matrix interferences, if any.
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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.

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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: ***L40682***

Antimony, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435808													
WG435808ICV	ICV	11/10/17 23:41	MS171020-3	.02		.0216	mg/L	108	90	110			
WG435808ICB	ICB	11/10/17 23:43				U	mg/L		-0.0012	0.0012			
WG435808LFB	LFB	11/10/17 23:46	MS171009-2	.01		.00985	mg/L	99	85	115			
L37466-22AS	AS	11/10/17 23:56	MS171009-2	.01	.0026	.01179	mg/L	92	70	130			
L37466-22ASD	ASD	11/10/17 23:58	MS171009-2	.01	.0026	.01172	mg/L	91	70	130	1	20	
L40682-10AS	AS	11/11/17 0:36	MS171009-2	.01	U	.00889	mg/L	89	70	130			
L40682-10ASD	ASD	11/11/17 0:39	MS171009-2	.01	U	.00893	mg/L	89	70	130	0	20	

Arsenic, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435672													
WG435672ICV	ICV	11/09/17 13:57	MS171020-3	.05		.05039	mg/L	101	90	110			
WG435672ICB	ICB	11/09/17 14:00				U	mg/L		-0.0006	0.0006			
WG435672LFB	LFB	11/09/17 14:04	MS171009-2	.0501		.04279	mg/L	85	85	115			
L37465-22AS	AS	11/09/17 14:13	MS171009-2	.0501	U	.05167	mg/L	103	70	130			
L37465-22ASD	ASD	11/09/17 14:16	MS171009-2	.0501	U	.052	mg/L	104	70	130	1	20	
L40682-07AS	AS	11/09/17 14:57	MS171009-2	.1002	U	.09694	mg/L	97	70	130			
L40682-07ASD	ASD	11/09/17 15:00	MS171009-2	.1002	U	.09788	mg/L	98	70	130	1	20	

Beryllium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435672													
WG435672ICV	ICV	11/09/17 13:57	MS171020-3	.05		.04901	mg/L	98	90	110			
WG435672ICB	ICB	11/09/17 14:00				U	mg/L		-0.00015	0.00015			
WG435672LFB	LFB	11/09/17 14:04	MS171009-2	.05035		.04331	mg/L	86	85	115			
L37465-22AS	AS	11/09/17 14:13	MS171009-2	.05035	U	.05053	mg/L	100	70	130			
L37465-22ASD	ASD	11/09/17 14:16	MS171009-2	.05035	U	.05128	mg/L	102	70	130	1	20	
L40682-07AS	AS	11/09/17 14:57	MS171009-2	.1007	U	.09328	mg/L	93	70	130			
L40682-07ASD	ASD	11/09/17 15:00	MS171009-2	.1007	U	.09304	mg/L	92	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
WG435672													
WG435672ICV	ICV	11/09/17 13:57	MS171020-3	.05		.05063	mg/L	101	90	110			
WG435672ICB	ICB	11/09/17 14:00				U	mg/L		-0.0003	0.0003			
WG435672LFB	LFB	11/09/17 14:04	MS171009-2	.05005		.04333	mg/L	87	85	115			
L37465-22AS	AS	11/09/17 14:13	MS171009-2	.05005	U	.05031	mg/L	101	70	130			
L37465-22ASD	ASD	11/09/17 14:16	MS171009-2	.05005	U	.05035	mg/L	101	70	130	0	20	
L40682-07AS	AS	11/09/17 14:57	MS171009-2	.1001	U	.09152	mg/L	91	70	130			
L40682-07ASD	ASD	11/09/17 15:00	MS171009-2	.1001	U	.09082	mg/L	91	70	130	1	20	

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ACZ Project ID: ***L40682***

Chromium, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435272													
WG435272ICV	ICV	11/03/17 19:00	II171020-1	2		1.956	mg/L	98	95	105			
WG435272ICB	ICB	11/03/17 19:06				U	mg/L		-0.03	0.03			
WG435272LFB	LFB	11/03/17 19:18	II171025-2	.498		.511	mg/L	103	85	115			
L40682-02AS	AS	11/03/17 19:36	II171025-2	.498	U	.521	mg/L	105	85	115			
L40682-02ASD	ASD	11/03/17 19:40	II171025-2	.498	U	.518	mg/L	104	85	115	1	20	
L40717-04AS	AS	11/03/17 20:31	II171025-2	.498	U	.522	mg/L	105	85	115			
L40717-04ASD	ASD	11/03/17 20:34	II171025-2	.498	U	.519	mg/L	104	85	115	1	20	

Cobalt, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435272													
WG435272ICV	ICV	11/03/17 19:00	II171020-1	2.002		1.918	mg/L	96	95	105			
WG435272ICB	ICB	11/03/17 19:06				U	mg/L		-0.03	0.03			
WG435272LFB	LFB	11/03/17 19:18	II171025-2	.5025		.516	mg/L	103	85	115			
L40682-02AS	AS	11/03/17 19:36	II171025-2	.5025	U	.51	mg/L	101	85	115			
L40682-02ASD	ASD	11/03/17 19:40	II171025-2	.5025	U	.514	mg/L	102	85	115	1	20	
L40717-04AS	AS	11/03/17 20:31	II171025-2	.5025	U	.521	mg/L	104	85	115			
L40717-04ASD	ASD	11/03/17 20:34	II171025-2	.5025	U	.519	mg/L	103	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
WG435272													
WG435272ICV	ICV	11/03/17 19:00	II171020-1	2		1.94	mg/L	97	95	105			
WG435272ICB	ICB	11/03/17 19:06				U	mg/L		-0.03	0.03			
WG435272LFB	LFB	11/03/17 19:18	II171025-2	.5		.514	mg/L	103	85	115			
L40682-02AS	AS	11/03/17 19:36	II171025-2	.5	U	.532	mg/L	106	85	115			
L40682-02ASD	ASD	11/03/17 19:40	II171025-2	.5	U	.531	mg/L	106	85	115	0	20	
L40717-04AS	AS	11/03/17 20:31	II171025-2	.5	U	.526	mg/L	105	85	115			
L40717-04ASD	ASD	11/03/17 20:34	II171025-2	.5	U	.524	mg/L	105	85	115	0	20	

Fluoride SM4500F-C

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG434929													
WG434929ICV	ICV	10/31/17 15:26	WC171025-7	2.006		2.06	mg/L	103	95	105			
WG434929ICB	ICB	10/31/17 15:34				U	mg/L		-0.15	0.15			
WG434929LFB1	LFB	10/31/17 15:43	WC170811-7	5.015		4.911	mg/L	98	90	110			
L37476-22AS	AS	10/31/17 17:32	WC170811-7	200.6	U	197.3	mg/L	98	90	110			
L37476-22DUP	DUP	10/31/17 17:40			U	U	mg/L				0	20	RA
WG434929LFB2	LFB	10/31/17 19:11	WC170811-7	5.015		5.122	mg/L	102	90	110			
L40682-07AS	AS	10/31/17 19:27	WC170811-7	5.015	.08	4.777	mg/L	94	90	110			
L40682-07DUP	DUP	10/31/17 19:35			.08	.104	mg/L				26	20	RA
WG434988													
WG434988ICV	ICV	11/01/17 10:20	WC171101-2	1.996		2.013	mg/L	101	95	105			
WG434988ICB	ICB	11/01/17 10:27				U	mg/L		-0.15	0.15			
WG434988LFB1	LFB	11/01/17 10:35	WC170811-7	5.015		5.024	mg/L	100	90	110			
L40682-08AS	AS	11/01/17 10:41	WC170811-7	5.015	2.37	7.073	mg/L	94	90	110			
L40682-08DUP	DUP	11/01/17 10:49			2.37	2.427	mg/L				2	20	
WG434988LFB2	LFB	11/01/17 14:00	WC170811-7	5.015		4.93	mg/L	98	90	110			

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L40682***

Lead, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435672													
WG435672ICV	ICV	11/09/17 13:57	MS171020-3	.05		.05247	mg/L	105	90	110			
WG435672ICB	ICB	11/09/17 14:00				U	mg/L		-0.0003	0.0003			
WG435672LFB	LFB	11/09/17 14:04	MS171009-2	.0496		.04302	mg/L	87	85	115			
L37465-22AS	AS	11/09/17 14:13	MS171009-2	.0496	U	.04876	mg/L	98	70	130			
L37465-22ASD	ASD	11/09/17 14:16	MS171009-2	.0496	U	.04944	mg/L	100	70	130	1	20	
L40682-07AS	AS	11/09/17 14:57	MS171009-2	.0992	U	.09654	mg/L	97	70	130			
L40682-07ASD	ASD	11/09/17 15:00	MS171009-2	.0992	U	.09654	mg/L	97	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
WG435272													
WG435272ICV	ICV	11/03/17 19:00	II171020-1	100		99.26	mg/L	99	95	105			
WG435272ICB	ICB	11/03/17 19:06				U	mg/L		-0.6	0.6			
WG435272LFB	LFB	11/03/17 19:18	II171025-2	50.18882		47.48	mg/L	95	85	115			
L40682-02AS	AS	11/03/17 19:36	II171025-2	50.18882	50	95.33	mg/L	90	85	115			
L40682-02ASD	ASD	11/03/17 19:40	II171025-2	50.18882	50	95.21	mg/L	90	85	115	0	20	
L40717-04AS	AS	11/03/17 20:31	II171025-2	50.18882	U	51.21	mg/L	102	85	115			
L40717-04ASD	ASD	11/03/17 20:34	II171025-2	50.18882	U	50.47	mg/L	101	85	115	1	20	

Molybdenum, dissolved M200.7 ICP

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435272													
WG435272ICV	ICV	11/03/17 19:00	II171020-1	2		2.035	mg/L	102	95	105			
WG435272ICB	ICB	11/03/17 19:06				U	mg/L		-0.06	0.06			
WG435272LFB	LFB	11/03/17 19:18	II171025-2	.5015		.495	mg/L	99	85	115			
L40682-02AS	AS	11/03/17 19:36	II171025-2	.5015	.03	.526	mg/L	99	85	115			
L40682-02ASD	ASD	11/03/17 19:40	II171025-2	.5015	.03	.529	mg/L	100	85	115	1	20	
L40717-04AS	AS	11/03/17 20:31	II171025-2	.5015	U	.529	mg/L	105	85	115			
L40717-04ASD	ASD	11/03/17 20:34	II171025-2	.5015	U	.526	mg/L	105	85	115	1	20	

Nickel, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435808													
WG435808ICV	ICV	11/10/17 23:41	MS171020-3	.05		.05102	mg/L	102	90	110			
WG435808ICB	ICB	11/10/17 23:43				U	mg/L		-0.0018	0.0018			
WG435808LFB	LFB	11/10/17 23:46	MS171009-2	.0501		.04856	mg/L	97	85	115			
L37466-22AS	AS	11/10/17 23:56	MS171009-2	.0501	U	.04949	mg/L	99	70	130			
L37466-22ASD	ASD	11/10/17 23:58	MS171009-2	.0501	U	.04663	mg/L	93	70	130	6	20	
L40682-10AS	AS	11/11/17 0:36	MS171009-2	.0501	U	.04732	mg/L	94	70	130			
L40682-10ASD	ASD	11/11/17 0:39	MS171009-2	.0501	U	.04151	mg/L	83	70	130	13	20	

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L40682***

Nitrate/Nitrite as N M353.2 - H2SO4 preserved

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG434958													
WG434958ICV	ICV	10/31/17 21:25	WI170914-11	2.416		2.318	mg/L	96	90	110			
WG434958ICB	ICB	10/31/17 21:27				U	mg/L		-0.02	0.02			
WG434961													
WG434961LFB	LFB	10/31/17 23:15	WI170705-5	2		1.942	mg/L	97	90	110			
L40682-01AS	AS	10/31/17 23:18	WI170705-5	2	.04	2.009	mg/L	98	90	110			
L40682-02DUP	DUP	10/31/17 23:50			7.57	7.554	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
WG434101													
WG434101PBW	PBW	10/20/17 13:30				12	mg/L		-20	20			
WG434101LCSW	LCSW	10/20/17 13:32	PCN54021	260		244	mg/L	94	80	120			
L40682-09DUP	DUP	10/20/17 14:30			U	U	mg/L				0	10	RA
WG434189													
WG434189PBW	PBW	10/23/17 12:20				10	mg/L		-20	20			
WG434189LCSW	LCSW	10/23/17 12:21	PCN54020	260		252	mg/L	97	80	120			
L40712-03DUP	DUP	10/23/17 12:49			1350	1330	mg/L				1	10	
WG435266													
WG435266PBW	PBW	11/03/17 13:30				U	mg/L		-20	20			
WG435266LCSW	LCSW	11/03/17 13:32	PCN54600	260		248	mg/L	95	80	120			
L40892-03DUP	DUP	11/03/17 14:01			302	298	mg/L				1	10	

Selenium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435672													
WG435672ICV	ICV	11/09/17 13:57	MS171020-3	.05		.05249	mg/L	105	90	110			
WG435672ICB	ICB	11/09/17 14:00				U	mg/L		-0.0003	0.0003			
WG435672LFB	LFB	11/09/17 14:04	MS171009-2	.05005		.04411	mg/L	88	85	115			
L37465-22AS	AS	11/09/17 14:13	MS171009-2	.05005	U	.05722	mg/L	114	70	130			
L37465-22ASD	ASD	11/09/17 14:16	MS171009-2	.05005	U	.05802	mg/L	116	70	130	1	20	
L40682-07AS	AS	11/09/17 14:57	MS171009-2	.1001	U	.10502	mg/L	105	70	130			
L40682-07ASD	ASD	11/09/17 15:00	MS171009-2	.1001	U	.10472	mg/L	105	70	130	0	20	

Sulfate D516-02/-07 - Turbidimetric

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435264													
WG435264ICB	ICB	11/03/17 13:01				U	mg/L		-3	3			
WG435264ICV	ICV	11/03/17 13:01	WI171030-2	20		18.9	mg/L	95	90	110			
WG435264LFB	LFB	11/03/17 13:22	WI170809-6	10		9.3	mg/L	93	90	110			
L40913-02DUP	DUP	11/03/17 13:52			1.4	1.3	mg/L				7	20	RA
L40588-01DUP	DUP	11/03/17 14:03			723	693	mg/L				4	20	
L40588-02AS	AS	11/03/17 14:17	SO4TURB20X	10	673	673	mg/L	0	90	110			M3
L40914-01AS	AS	11/03/17 14:17	SO4TURB5X	10	120	128	mg/L	80	90	110			M3

FMI Gold & Copper - Sierrita

ACZ Project ID: ***L40682***

Thallium, dissolved M200.8 ICP-MS

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435672													
WG435672ICV	ICV	11/09/17 13:57	MS171020-3	.05		.05328	mg/L	107	90	110			
WG435672ICB	ICB	11/09/17 14:00				U	mg/L		-0.0003	0.0003			
WG435672LFB	LFB	11/09/17 14:04	MS171009-2	.0501		.04343	mg/L	87	85	115			
L37465-22AS	AS	11/09/17 14:13	MS171009-2	.0501	U	.04944	mg/L	99	70	130			
L37465-22ASD	ASD	11/09/17 14:16	MS171009-2	.0501	U	.04966	mg/L	99	70	130	0	20	
L40682-07AS	AS	11/09/17 14:57	MS171009-2	.1002	U	.0992	mg/L	99	70	130			
L40682-07ASD	ASD	11/09/17 15:00	MS171009-2	.1002	U	.09838	mg/L	98	70	130	1	20	

FMI Gold & Copper - Sierrita ACZ Project ID: ***L40682***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L40682-01	WG435264	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.
L40682-02	WG435264	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.
L40682-03	WG435264	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.
L40682-04	WG435264	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.
L40682-05	WG435264	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.
L40682-06	WG435264	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).
L40682-07	WG435264	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).
L40682-08	WG435264	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).
L40682-09	WG435264	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).
L40682-10	WG435264	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).

Certification Qualifiers

FMI Gold & Copper - Sierrita ACZ Project ID: ***L40682***

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
ZS000008QB

ACZ Project ID: L40682
Date Received: 10/20/2017 09:04
Received By:
Date Printed: 10/20/2017

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

[1] L40682-08 Container B1906420 (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?
4764	2.6	<=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:	L40682
Date Received:	10/20/2017 09:04
Received By:	
Date Printed:	10/20/2017

[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

L40682

CHAIN of CUSTODY

Report to:

Name: Jeff Joy
Company: Freeport-McMoRan Sierrita
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: Bill Hart
Company:
E-mail: whart@fmi.com
Telephone:

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? 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	Quarterly								
MH-27	10/16/17 : 0835	GW	3	x								
MH-19	10/16/17 : 1025	GW	3	x								
MH-21	10/18/17 : 0830	GW	3	x								
MH-14	10/18/17 : 1045	GW	3	x								
MH-23	10/19/17 : 0900	GW	3	x								
MH-15W	10/19/17 : 1015	GW	3	x								
MH-16W	10/19/17 : 1115	GW	3	x								
DUP20171018A	10/18/17 : 0000	GW	3	x								
EQB20171018A	10/18/17 : 0000	GW	3	x								
FB20171018A	10/18/17 : 0000	GW	3	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
UPS Tracking # 1Z 867 7E4 23 1001 329 8
Copy of report to Ben Daigneau contains only "SO4" results for: MH-14, MH-15W, MH-16W, EQB20171018A AND FB20171018A
Please include copy of report to deborah_chismar@fmi.com (520-393-2347)

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	10/19/17 : 1530	BCR	10/20/17 904



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

November 17, 2017

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

cc: William Hart, Ben Daigneau

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

Project ID: ZS000008QB
ACZ Project ID: L40683

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on October 20, 2017. This project has been assigned to ACZ's project number, L40683. 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 L40683. 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 December 17, 2017. 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: ESP-3

ACZ Sample ID: ***L40683-01***
Date Sampled: *10/17/17 10:22*
Date Received: *10/20/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	36.7			mg/L	0.4	2	11/14/17 6:27	krh

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: ZS000008QB
Sample ID: ESP-2

ACZ Sample ID: ***L40683-02***
Date Sampled: *10/17/17 11:24*
Date Received: *10/20/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	30.6			mg/L	0.4	2	11/14/17 6:45	krh

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: ZS000008QB
Sample ID: ESP-4

ACZ Sample ID: ***L40683-03***
Date Sampled: *10/17/17 12:19*
Date Received: *10/20/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	10	341			mg/L	4	20	11/14/17 7:03	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: ***L40683***

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435922													
WG435922ICV	ICV	11/10/17 16:07	WI171110-2	50		50.4	mg/L	101	90	110			
WG435922ICB	ICB	11/10/17 16:25				U	mg/L		-0.4	0.4			
WG435922LFB1	LFB	11/13/17 18:48	WI171110-4	30.03		29.7	mg/L	99	90	110			
WG435922LFB2	LFB	11/14/17 3:28	WI171110-4	30.03		29.4	mg/L	98	90	110			
L40659-06DUP	DUP	11/14/17 4:04			16.8	16.8	mg/L				0	20	
L40659-07AS	AS	11/14/17 5:15	WI171110-4	30.03	10.3	40.6	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: ***L40683***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION

No extended qualifiers associated with this analysis

Certification Qualifiers

FMI Gold & Copper - Sierrita ACZ Project ID: ***L40683***

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
ZS000008QB

ACZ Project ID: L40683
Date Received: 10/20/2017 09:04
Received By:
Date Printed: 10/20/2017

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?
4764	2.6	<=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:	L40683
Date Received:	10/20/2017 09:04
Received By:	
Date Printed:	10/20/2017

[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. L40683

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							
ESP-3	10/17/17 : 1022	GW	1	X							
ESP-2	10/17/17 : 1124	GW	1	X							
ESP-4	10/17/17 : 1219	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 dchismar and whart @fmi.com
UPS Tracking # 1Z 867 7E4 23 1001 329 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	10/19/17 : 1530	BCR	10/20/17 904

L40683 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

Analytical Report

November 21, 2017

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

cc: William Hart, Ben Daigneau

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

Project ID: ZS000008QB
ACZ Project ID: L40823

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on October 27, 2017. This project has been assigned to ACZ's project number, L40823. 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 L40823. 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 December 21, 2017. 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: CW-6

ACZ Sample ID: ***L40823-01***
Date Sampled: *10/24/17 08:28*
Date Received: *10/27/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	79.1			mg/L	0.4	2	11/17/17 16:50	krh

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: ZS000008QB
Sample ID: CW-10

ACZ Sample ID: ***L40823-02***
Date Sampled: *10/24/17 09:04*
Date Received: *10/27/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	46.4			mg/L	0.4	2	11/17/17 17:08	krh

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: ZS000008QB
Sample ID: CW-9

ACZ Sample ID: ***L40823-03***
Date Sampled: *10/24/17 11:01*
Date Received: *10/27/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	48.4			mg/L	0.4	2	11/17/17 18:01	krh

Arizona license number: AZ0102

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

ACZ Sample ID: ***L40823-04***
Date Sampled: *10/25/17 08:22*
Date Received: *10/27/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	27.2			mg/L	0.4	2	11/17/17 18:19	krh

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: ZS000008QB
Sample ID: GV-2

ACZ Sample ID: ***L40823-05***
Date Sampled: *10/25/17 08:51*
Date Received: *10/27/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	37.7			mg/L	0.4	2	11/17/17 18:37	krh

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: ZS000008QB
Sample ID: NP-2

ACZ Sample ID: ***L40823-06***
Date Sampled: *10/26/17 09:47*
Date Received: *10/27/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	43.0			mg/L	0.4	2	11/17/17 18:55	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: ***L40823***

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG435922													
WG435922ICV	ICV	11/10/17 16:07	WI171110-2	50		50.4	mg/L	101	90	110			
WG435922ICB	ICB	11/10/17 16:25				U	mg/L		-0.4	0.4			
WG436362													
WG436362LFB1	LFB	11/17/17 14:44	WI171110-4	30.03		30.5	mg/L	102	90	110			
L40766-04DUP	DUP	11/17/17 15:20			47	46.5	mg/L				1	20	
L40787-01AS	AS	11/17/17 15:56	WI171110-4	30.03	12.5	42.8	mg/L	101	90	110			
WG436362LFB2	LFB	11/17/17 23:24	WI171110-4	30.03		30.4	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: ***L40823***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION

No extended qualifiers associated with this analysis

Certification Qualifiers

FMI Gold & Copper - Sierrita ACZ Project ID: ***L40823***

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
ZS000008QB

ACZ Project ID: L40823
Date Received: 10/27/2017 10:12
Received By:
Date Printed: 10/30/2017

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?
4904	4	<=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
ZS000008QB

ACZ Project ID: L40823
Date Received: 10/27/2017 10:12
Received By:
Date Printed: 10/30/2017

[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. L40823

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							
CW-6	10/24/17 : 0828	GW	1	X							
CW-10	10/24/17 : 0904	GW	1	X							
CW-9	10/24/17 : 1101	GW	1	X							
GV-1	10/25/17 : 0822	GW	1	X							
GV-2	10/25/17 : 0851	GW	1	X							
NP-2	10/26/17 : 0947	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 dchismar and whart @fmi.com
UPS Tracking # 1Z 867 7E4 22 1000 345 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	10/26/17 : 1530	ZCR	10/27/17 1012

L40823 Chain of Custody

RMAD050.01.15.09 White - Return with sample. Yellow - Retain for your records.

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

Analytical Report

December 20, 2017

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

cc: William Hart, Ben Daigneau

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

Project ID: ZS000008QB
ACZ Project ID: L41502

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on December 01, 2017. This project has been assigned to ACZ's project number, L41502. 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 L41502. 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 January 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.

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: CW-3

ACZ Sample ID: ***L41502-01***
Date Sampled: *11/30/17 07:14*
Date Received: *12/01/17*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	23.6			mg/L	0.4	2	12/18/17 3:51	bsu

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: ***L41502***

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG438215													
WG438215ICV	ICV	12/13/17 22:30	WI171110-2	50		50.2	mg/L	100	90	110			
WG438215ICB	ICB	12/13/17 22:47				U	mg/L		-0.4	0.4			
WG438366													
WG438366LFB	LFB	12/17/17 20:59	WI171110-4	30.03		31.5	mg/L	105	90	110			
L41422-01DUP	DUP	12/18/17 1:46			1190	1190	mg/L				0	20	
L41422-02AS	AS	12/18/17 2:22	WI171110-4	1501.5	1050	2630	mg/L	105	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: ***L41502***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION

No extended qualifiers associated with this analysis

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

Certification Qualifiers

FMI Gold & Copper - Sierrita ACZ Project ID: ***L41502***

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
ZS000008QB

ACZ Project ID: L41502
Date Received: 12/01/2017 11:20
Received By:
Date Printed: 12/5/2017

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?
4385	3.8	<=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
ZS000008QB

ACZ Project ID: L41502
Date Received: 12/01/2017 11:20
Received By:
Date Printed: 12/5/2017

[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

L41502

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							
CW-3	11/30/17 : 0714	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.
UPS Tracking # 1Z 867 7E4 23 1001 391 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	11/30/17 : 1530	BCR	12/1/17 1120

L41502 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

Analytical Report

February 02, 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: L42192

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on January 12, 2018. This project has been assigned to ACZ's project number, L42192. 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 L42192. 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 March 04, 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-10

ACZ Sample ID: ***L42192-01***
Date Sampled: *01/09/18 09:07*
Date Received: *01/12/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	2	159		*	mg/L	0.8	4	01/30/18 20:10	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: M-8

ACZ Sample ID: ***L42192-02***
Date Sampled: *01/09/18 10:56*
Date Received: *01/12/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	5	267		*	mg/L	2	10	01/31/18 19:02	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: M-9

ACZ Sample ID: ***L42192-03***
Date Sampled: *01/09/18 14:12*
Date Received: *01/12/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	1.58	B	*	mg/L	0.4	2	01/30/18 21:22	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MW-2016-06

ACZ Sample ID: ***L42192-04***
Date Sampled: *01/10/18 08:52*
Date Received: *01/12/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	60.8			mg/L	0.4	2	01/22/18 21:23	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MW-2016-05B

ACZ Sample ID: ***L42192-05***
Date Sampled: *01/10/18 10:16*
Date Received: *01/12/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	49.3			mg/L	0.4	2	01/19/18 18:46	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MW-2016-05A

ACZ Sample ID: ***L42192-06***
Date Sampled: *01/10/18 10:51*
Date Received: *01/12/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	25.9			mg/L	0.4	2	01/19/18 19:22	las

Arizona license number: AZ0102

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

ACZ Sample ID: ***L42192-07***
Date Sampled: *01/10/18 13:39*
Date Received: *01/12/18*
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	01/19/18 19:40	las

Arizona license number: AZ0102

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

ACZ Sample ID: ***L42192-08***
Date Sampled: *01/11/18 10:29*
Date Received: *01/12/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	27.2			mg/L	0.4	2	01/22/18 21:59	las

Arizona license number: AZ0102

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

ACZ Sample ID: ***L42192-09***
Date Sampled: *01/11/18 12:33*
Date Received: *01/12/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	23.7			mg/L	0.4	2	01/19/18 20:51	las

Arizona license number: AZ0102

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

ACZ Sample ID: ***L42192-10***
Date Sampled: *01/11/18 13:15*
Date Received: *01/12/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	7.33			mg/L	0.4	2	01/19/18 21:09	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: EQB20180109A

ACZ Sample ID: ***L42192-11***
Date Sampled: *01/09/18 00:00*
Date Received: *01/12/18*
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	01/19/18 21:27	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: FB20180109A

ACZ Sample ID: ***L42192-12***
Date Sampled: *01/09/18 00:00*
Date Received: *01/12/18*
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	01/19/18 21:45	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: DUP20180109A

ACZ Sample ID: ***L42192-13***
Date Sampled: *01/09/18 00:00*
Date Received: *01/12/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	2	168			mg/L	0.8	4	01/22/18 22:17	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: ***L42192***

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG438215													
WG438215ICV	ICV	12/13/17 22:30	WI171110-2	50		50.2	mg/L	100	90	110			
WG438215ICB	ICB	12/13/17 22:47				U	mg/L		-0.4	0.4			
WG440201													
WG440201LFB	LFB	01/19/18 13:41	WI171110-4	30.03		29.5	mg/L	98	90	110			
L42192-05AS	AS	01/19/18 19:04	WI171110-4	30.03	49.3	77.4	mg/L	94	90	110			
L42192-04DUP	DUP	01/22/18 21:41			60.8	60.8	mg/L				0	20	
WG440864													
WG440864ICV	ICV	01/25/18 20:01	WI171110-2	50		49.7	mg/L	99	90	110			
WG440864ICB	ICB	01/25/18 20:18				U	mg/L		-0.4	0.4			
WG440864LFB2	LFB	01/30/18 2:15	WI171110-4	30.03		28.5	mg/L	95	90	110			
WG440864LFB1	LFB	01/30/18 19:52	WI171110-4	30.03		29.4	mg/L	98	90	110			
L42192-01DUP	DUP	01/30/18 20:28			159	158	mg/L				1	20	
L42192-02AS	AS	01/31/18 19:20	WI171110-4	150.15	267	412	mg/L	97	90	110			

FMI Gold & Copper - Sierrita ACZ Project ID: ***L42192***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L42192-01	WG440864	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).
L42192-02	WG440864	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).
L42192-03	WG440864	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: ***L42192***

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: L42192
Date Received: 01/12/2018 12:36
Received By:
Date Printed: 1/15/2018

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?
NA27674	1.3	<=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: L42192
Date Received: 01/12/2018 12:36
Received By:
Date Printed: 1/15/2018

[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. L42192

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-10	1/9/18 : 0907	GW	1	X							
M-8	1/9/18 : 1056	GW	1	X							
M-9	1/9/18 : 1412	GW	1	X							
MW-2016-06	1/10/18 : 0852	GW	1	X							
MW-2016-05B	1/10/18 : 1016	GW	1	X							
MW-2016-05A	1/10/18 : 1051	GW	1	X							
MO-2007-3B	1/10/18 : 1339	GW	1	X							
MO-2007-3C	1/11/18 : 1029	GW	1	X							
MO-2007-6B	1/11/18 : 1233	GW	1	X							
MO-2007-6A	1/11/18 : 1315	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 Bill Hart whart@fmi.com
UPS Tracking # 1Z 867 7E4 23 1001 394 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	1/11/18 : 1530	RTC	1/12/18 12:36

L42192 Chain of Custody

ACZ Laboratories, Inc.

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

L 42192

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							
EQB20180109A	1/9/18 : 0000	GW	1	X							
FB20180109A	1/9/18 : 0000	GW	1	X							
DUP20180109A	1/9/18 : 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 Bill Hart whart@fmi.com
EQB and FB are DI water
UPS Tracking # 1Z 867 7E4 23 1001 394 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	1/11/18 : 1530	T&C	1/12/18 12:36

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

Analytical Report

February 12, 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: L42192

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on January 12, 2018. This project has been assigned to ACZ's project number, L42192. 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 L42192. 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 March 14, 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

February 12, 2018

Project ID: ZS0000079
ACZ Project ID: L42192

Sample Receipt

ACZ Laboratories, Inc. (ACZ) received 13 ground water samples from FMI Gold & Copper - Sierrita on January 12, 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 L42192. The custodian verified the sample information entered into the computer against the chain of custody (COC) forms and sample bottle labels.

Holding Times

Any analyses not performed within EPA recommended holding times have been qualified with an "H" flag.

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 report a re-analysis of Sulfate on L42192-02.

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: M-10

ACZ Sample ID: ***L42192-01***
Date Sampled: *01/09/18 09:07*
Date Received: *01/12/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	2	159		*	mg/L	0.8	4	01/30/18 20:10	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: M-8

ACZ Sample ID: ***L42192-02***
Date Sampled: *01/09/18 10:56*
Date Received: *01/12/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	5	259	H	*	mg/L	2	10	02/08/18 15:13	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: M-9

ACZ Sample ID: ***L42192-03***
Date Sampled: *01/09/18 14:12*
Date Received: *01/12/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	1.58	B	*	mg/L	0.4	2	01/30/18 21:22	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MW-2016-06

ACZ Sample ID: ***L42192-04***
Date Sampled: *01/10/18 08:52*
Date Received: *01/12/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	60.8			mg/L	0.4	2	01/22/18 21:23	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MW-2016-05B

ACZ Sample ID: ***L42192-05***
Date Sampled: *01/10/18 10:16*
Date Received: *01/12/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	49.3			mg/L	0.4	2	01/19/18 18:46	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: MW-2016-05A

ACZ Sample ID: ***L42192-06***
Date Sampled: *01/10/18 10:51*
Date Received: *01/12/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	25.9			mg/L	0.4	2	01/19/18 19:22	las

Arizona license number: AZ0102

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

ACZ Sample ID: ***L42192-07***
Date Sampled: *01/10/18 13:39*
Date Received: *01/12/18*
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	01/19/18 19:40	las

Arizona license number: AZ0102

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

ACZ Sample ID: ***L42192-08***
Date Sampled: *01/11/18 10:29*
Date Received: *01/12/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	27.2			mg/L	0.4	2	01/22/18 21:59	las

Arizona license number: AZ0102

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

ACZ Sample ID: ***L42192-09***
Date Sampled: *01/11/18 12:33*
Date Received: *01/12/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	23.7			mg/L	0.4	2	01/19/18 20:51	las

Arizona license number: AZ0102

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

ACZ Sample ID: ***L42192-10***
Date Sampled: *01/11/18 13:15*
Date Received: *01/12/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	7.33			mg/L	0.4	2	01/19/18 21:09	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: EQB20180109A

ACZ Sample ID: ***L42192-11***
Date Sampled: *01/09/18 00:00*
Date Received: *01/12/18*
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	01/19/18 21:27	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: FB20180109A

ACZ Sample ID: ***L42192-12***
Date Sampled: *01/09/18 00:00*
Date Received: *01/12/18*
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	01/19/18 21:45	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: DUP20180109A

ACZ Sample ID: ***L42192-13***
Date Sampled: *01/09/18 00:00*
Date Received: *01/12/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	2	168			mg/L	0.8	4	01/22/18 22:17	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: ***L42192***

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG438215													
WG438215ICV	ICV	12/13/17 22:30	WI171110-2	50		50.2	mg/L	100	90	110			
WG438215ICB	ICB	12/13/17 22:47				U	mg/L		-0.4	0.4			
WG440201													
WG440201LFB	LFB	01/19/18 13:41	WI171110-4	30.03		29.5	mg/L	98	90	110			
L42192-05AS	AS	01/19/18 19:04	WI171110-4	30.03	49.3	77.4	mg/L	94	90	110			
L42192-04DUP	DUP	01/22/18 21:41			60.8	60.8	mg/L				0	20	
WG440864													
WG440864ICV	ICV	01/25/18 20:01	WI171110-2	50		49.7	mg/L	99	90	110			
WG440864ICB	ICB	01/25/18 20:18				U	mg/L		-0.4	0.4			
WG440864LFB2	LFB	01/30/18 2:15	WI171110-4	30.03		28.5	mg/L	95	90	110			
WG440864LFB1	LFB	01/30/18 19:52	WI171110-4	30.03		29.4	mg/L	98	90	110			
L42192-01DUP	DUP	01/30/18 20:28			159	158	mg/L				1	20	
L42192-02AS	AS	01/31/18 19:20	WI171110-4	150.15	267	412	mg/L	97	90	110			
WG441376													
WG441376LFB1	LFB	02/06/18 16:20	WI171110-4	30.03		29	mg/L	97	90	110			
WG441376LFB2	LFB	02/07/18 1:00	WI171110-4	30.03		29	mg/L	97	90	110			
L42192-02DUP	DUP	02/08/18 15:31			259	260	mg/L				0	20	
L42280-01AS	AS	02/08/18 16:07	WI171110-4	1501.5	1680	3140	mg/L	97	90	110			

FMI Gold & Copper - Sierrita ACZ Project ID: ***L42192***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L42192-01	WG440864	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).
L42192-02	WG441376	Sulfate	M300.0 - Ion Chromatography	C4	Confirmatory analysis was past holding time.
L42192-03	WG440864	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: ***L42192***

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: L42192
Date Received: 01/12/2018 12:36
Received By:
Date Printed: 1/15/2018

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?
NA27674	1.3	<=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: L42192
Date Received: 01/12/2018 12:36
Received By:
Date Printed: 1/15/2018

[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. L42192

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-10	1/9/18 : 0907	GW	1	X							
M-8	1/9/18 : 1056	GW	1	X							
M-9	1/9/18 : 1412	GW	1	X							
MW-2016-06	1/10/18 : 0852	GW	1	X							
MW-2016-05B	1/10/18 : 1016	GW	1	X							
MW-2016-05A	1/10/18 : 1051	GW	1	X							
MO-2007-3B	1/10/18 : 1339	GW	1	X							
MO-2007-3C	1/11/18 : 1029	GW	1	X							
MO-2007-6B	1/11/18 : 1233	GW	1	X							
MO-2007-6A	1/11/18 : 1315	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 Bill Hart whart@fmi.com
UPS Tracking # 1Z 867 7E4 23 1001 394 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	1/11/18 : 1530	[illegible]	1/12/18 12:36

L42192 Chain of Custody

(1)

ACZ Laboratories, Inc. L 42192

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							
EQB20180109A	1/9/18 : 0000	GW	1	X							
FB20180109A	1/9/18 : 0000	GW	1	X							
DUP20180109A	1/9/18 : 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 Bill Hart whart@fmi.com
EQB and FB are DI water
UPS Tracking # 1Z 867 7E4 23 1001 394 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	1/11/18 : 1530	THC	1/12/18 12:36

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

Analytical Report

February 02, 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: L42317

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on January 19, 2018. This project has been assigned to ACZ's project number, L42317. 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 L42317. 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 March 04, 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: MO-2007-4C

ACZ Sample ID: ***L42317-01***
Date Sampled: *01/15/18 11:14*
Date Received: *01/19/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	48.5		*	mg/L	0.4	2	01/30/18 1:39	las

Arizona license number: AZ0102

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

ACZ Sample ID: ***L42317-02***
Date Sampled: *01/15/18 13:02*
Date Received: *01/19/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	37.2		*	mg/L	0.4	2	01/30/18 1:57	las

Arizona license number: AZ0102

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

ACZ Sample ID: ***L42317-03***
Date Sampled: *01/15/18 13:40*
Date Received: *01/19/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	32.8			mg/L	0.4	2	01/30/18 2:33	las

Arizona license number: AZ0102

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

ACZ Sample ID: ***L42317-04***
Date Sampled: *01/16/18 10:18*
Date Received: *01/19/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	29.2			mg/L	0.4	2	01/30/18 3:09	las

Arizona license number: AZ0102

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

ACZ Sample ID: ***L42317-05***
Date Sampled: *01/16/18 11:08*
Date Received: *01/19/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	34.5			mg/L	0.4	2	01/30/18 4:20	las

Arizona license number: AZ0102

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

ACZ Sample ID: ***L42317-06***
Date Sampled: *01/18/18 10:26*
Date Received: *01/19/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	33.7			mg/L	0.4	2	01/30/18 4:38	las

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: DUP20180115A

ACZ Sample ID: ***L42317-07***
Date Sampled: *01/15/18 00:00*
Date Received: *01/19/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	48.3			mg/L	0.4	2	01/30/18 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: ***L42317***

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG440864													
WG440864ICV	ICV	01/25/18 20:01	WI171110-2	50		49.7	mg/L	99	90	110			
WG440864ICB	ICB	01/25/18 20:18				U	mg/L		-0.4	0.4			
L42256-07DUP	DUP	01/29/18 22:22			4.44	4.41	mg/L				1	20	RA
L42256-15AS	AS	01/29/18 22:58	WI171110-4	150.15	4.11	148	mg/L	96	90	110			
WG440864LFB2	LFB	01/30/18 2:15	WI171110-4	30.03		28.5	mg/L	95	90	110			
L42317-03DUP	DUP	01/30/18 2:51			32.8	32.7	mg/L				0	20	
L42317-04AS	AS	01/30/18 4:02	WI171110-4	30.03	29.2	57.3	mg/L	94	90	110			
WG440864LFB1	LFB	01/30/18 19:52	WI171110-4	30.03		29.4	mg/L	98	90	110			

Inorganic Extended Qualifier Report

FMI Gold & Copper - Sierrita ACZ Project ID: ***L42317***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION
L42317-01	WG440864	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).
L42317-02	WG440864	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: ***L42317***

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: L42317
Date Received: 01/19/2018 11:42
Received By:
Date Printed: 1/22/2018

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?
NA27704	2	<=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: L42317
Date Received: 01/19/2018 11:42
Received By:
Date Printed: 1/22/2018

[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), $Na_2S_2O_3$ preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).

ACZ Laboratories, Inc. L 42317

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							
MO-2007-4C	1/15/18 : 1114	GW	1	X							
MO-2007-4B	1/15/18 : 1302	GW	1	X							
MO-2007-4A	1/15/18 : 1340	GW	1	X							
ESP-2	1/16/18 : 1018	GW	1	X							
ESP-3	1/16/18 : 1108	GW	1	X							
MO-2009-1	1/18/18 : 1026	GW	1	X							
DUP20180115A	1/15/18 : 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)

EMARKS

ulfates
Copy of report to Ben Daigneau contains only "SO4" results with QC Summary.
lease include copy of report to Bill Hart whart@fmi.com
JPS Tracking # 1Z 867 7E4 23 1001 406 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	1/18/18 : 1530	THC	1/19/18 11:42

L42317 Chain of Custody

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

Analytical Report

February 28, 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: L42690

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on February 15, 2018. This project has been assigned to ACZ's project number, L42690. 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 L42690. 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 March 30, 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: ***L42690-01***
Date Sampled: *02/12/18 08:21*
Date Received: *02/15/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	71.0			mg/L	0.4	2	02/21/18 16:57	krh

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: CW-9

ACZ Sample ID: ***L42690-02***
Date Sampled: *02/12/18 09:35*
Date Received: *02/15/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	45.4			mg/L	0.4	2	02/21/18 17:33	krh

Arizona license number: AZ0102

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

ACZ Sample ID: ***L42690-03***
Date Sampled: *02/13/18 08:13*
Date Received: *02/15/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	25.4			mg/L	0.4	2	02/21/18 18:09	krh

Arizona license number: AZ0102

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

ACZ Sample ID: ***L42690-04***
Date Sampled: *02/13/18 08:41*
Date Received: *02/15/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	1	36.2			mg/L	0.4	2	02/21/18 18:27	krh

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: EQB20180213A

ACZ Sample ID: ***L42690-05***
Date Sampled: *02/13/18 00:00*
Date Received: *02/15/18*
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	02/22/18 15:59	krh

Arizona license number: AZ0102

FMI Gold & Copper - Sierrita
Project ID: ZS0000079
Sample ID: FB20180213A

ACZ Sample ID: ***L42690-06***
Date Sampled: *02/13/18 00:00*
Date Received: *02/15/18*
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	02/22/18 16:17	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: ***L42690***

Sulfate M300.0 - Ion Chromatography

ACZ ID	Type	Analyzed	PCN/SCN	QC	Sample	Found	Units	Rec	Lower	Upper	RPD	Limit	Qual
WG442266													
WG442266LFB	LFB	02/21/18 16:39	WI171110-4	30.03		28.6	mg/L	95	90	110			
L42690-01DUP	DUP	02/21/18 17:15			71	71.2	mg/L				0	20	
L42690-02AS	AS	02/21/18 17:51	WI171110-4	30.03	45.4	72.3	mg/L	90	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: ***L42690***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION

No extended qualifiers associated with this analysis

Certification Qualifiers

FMI Gold & Copper - Sierrita ACZ Project ID: ***L42690***

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: L42690
Date Received: 02/15/2018 11:37
Received By:
Date Printed: 2/16/2018

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?
5327	5.1	<=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: L42690
Date Received: 02/15/2018 11:37
Received By:
Date Printed: 2/16/2018

[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.

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

L 42690

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							
CW-6	2/12/18 : 0821	GW	1	x							
CW-9	2/12/18 : 0935	GW	1	x							
GV-1	2/13/18 : 0813	GW	1	x							
GV-2	2/13/18 : 0841	GW	1	x							
EQB20180213A	2/13/18 : 0000	GW	1	x							
FB20180213A	2/13/18 : 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 395 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	2/14/18 : 1530	THC	2/15/18 11:37

L42690 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

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: L43472

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on March 31, 2018. This project has been assigned to ACZ's project number, L43472. 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 L43472. 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.

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: M-8

ACZ Sample ID: ***L43472-01***
Date Sampled: *03/29/18 10:15*
Date Received: *03/31/18*
Sample Matrix: *Ground Water*

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	M300.0 - Ion Chromatography	2	130			mg/L	0.8	4	04/13/18 12:40	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: ***L43472***

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: ***L43472***

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION

No extended qualifiers associated with this analysis

Certification Qualifiers

FMI Gold & Copper - Sierrita ACZ Project ID: ***L43472***

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: L43472
Date Received: 03/31/2018 10:24
Received By:
Date Printed: 4/3/2018

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?
5249	4.9	<=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:	L43472
Date Received:	03/31/2018 10:24
Received By:	
Date Printed:	4/3/2018

[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

L 43472

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-8	3/29/18 : 1015	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 404 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	3/30/18 : 1530	BCE	3/31/18 1024

L43472 Chain of Custody

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

ACZ Laboratories, Inc.
Steamboat Springs, CO 80487

(800) 334-5493

Project Number: L 43472

Cooler Number	Cooler Tag
1	5249 10:24 03/31/18 Temp: 4.9 CBy: bce Rad: 14 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	

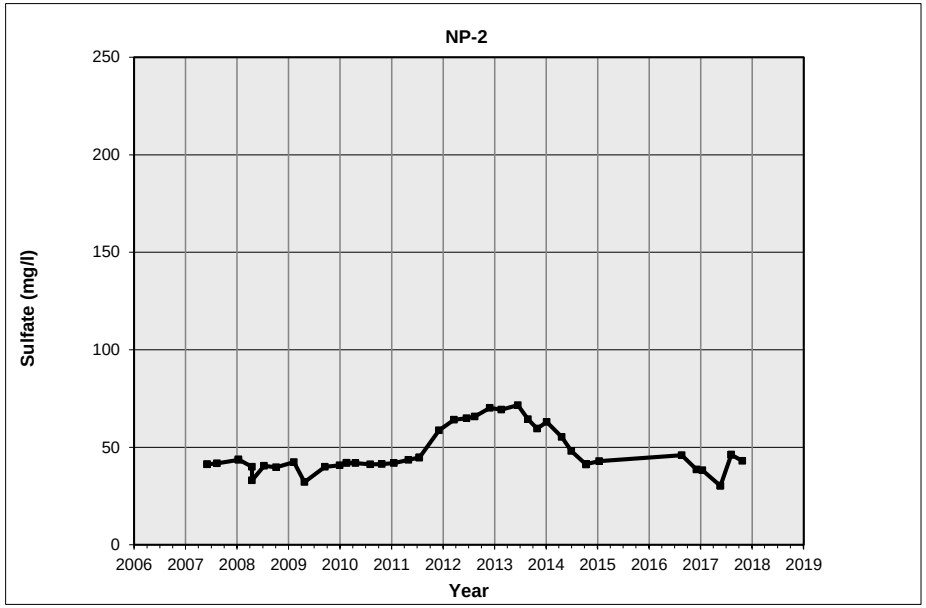
Log-In Order Verified:

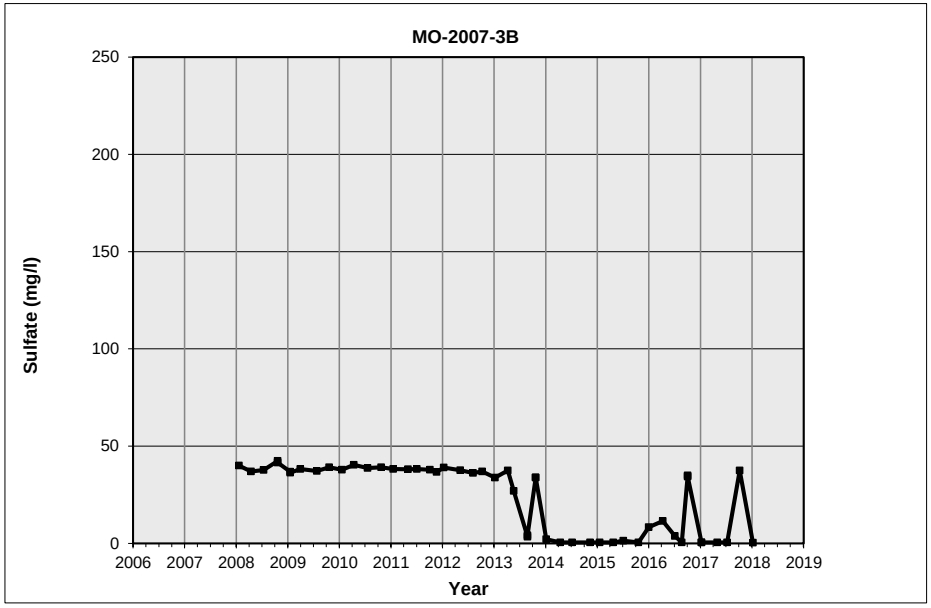
Initials/Date: BCB 3/31/18

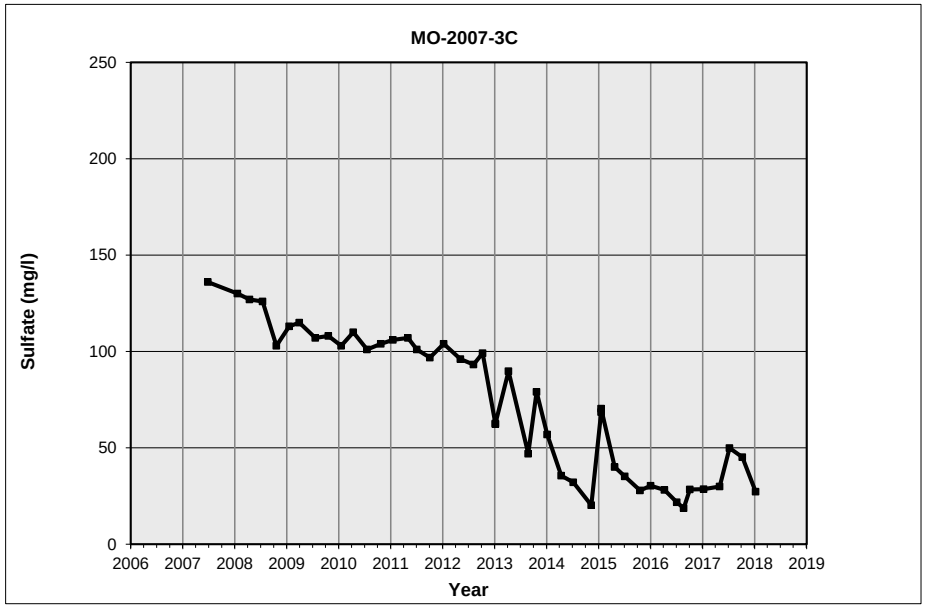
APPENDIX C

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







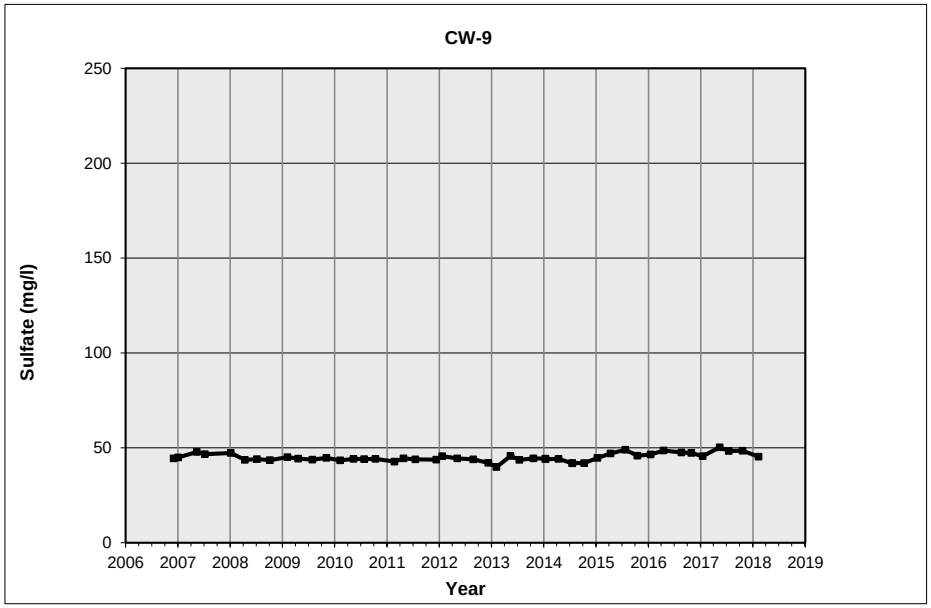
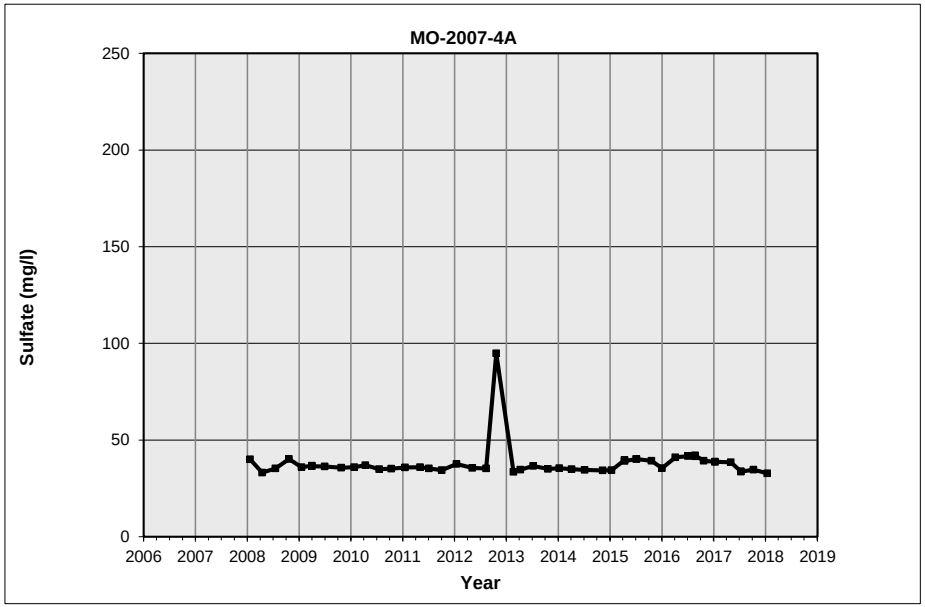
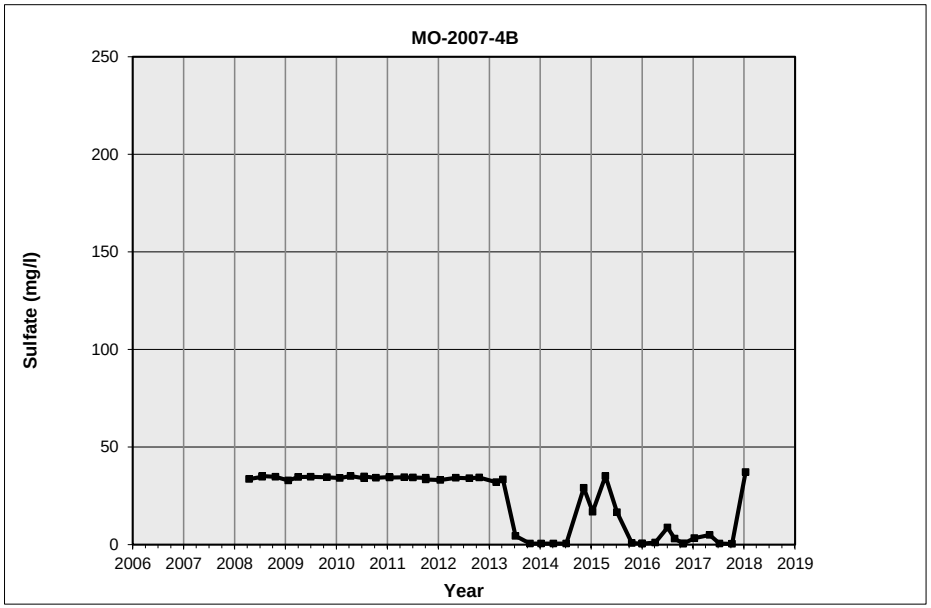
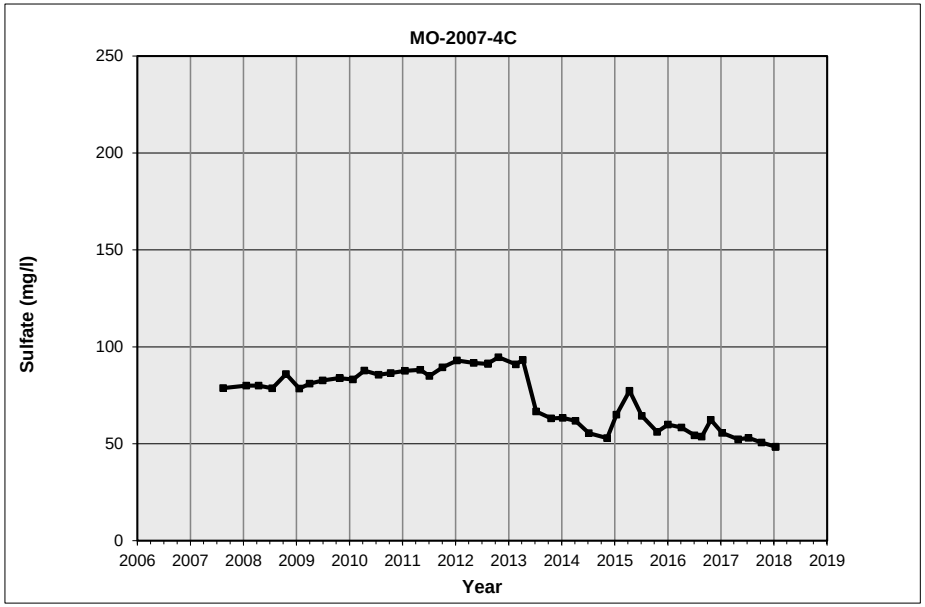


FIGURE C.2
SULFATE CONCENTRATION OVER TIME FOR WELLS
MO-2007-4A, MO-2007-4B, MO-2007-4C, AND CW-6







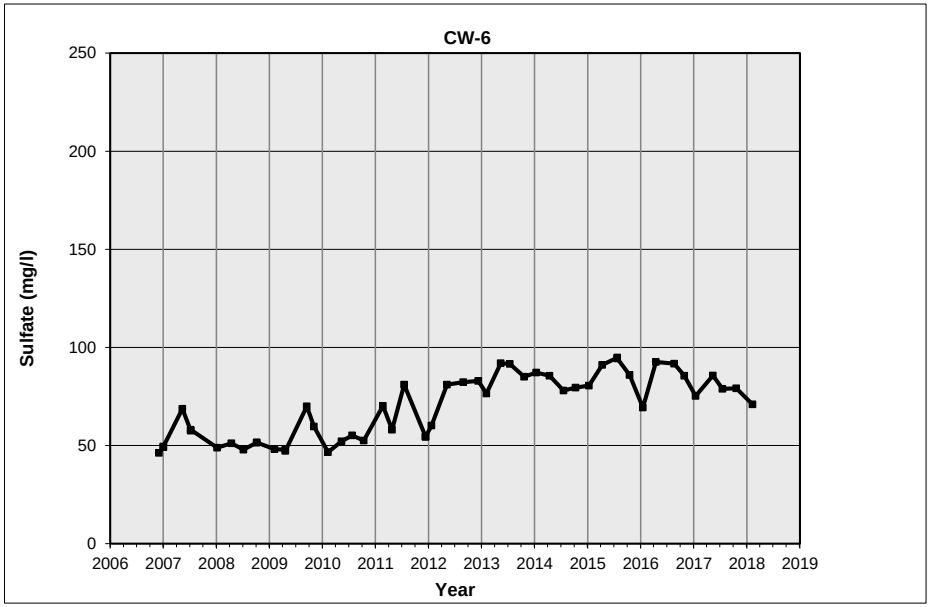
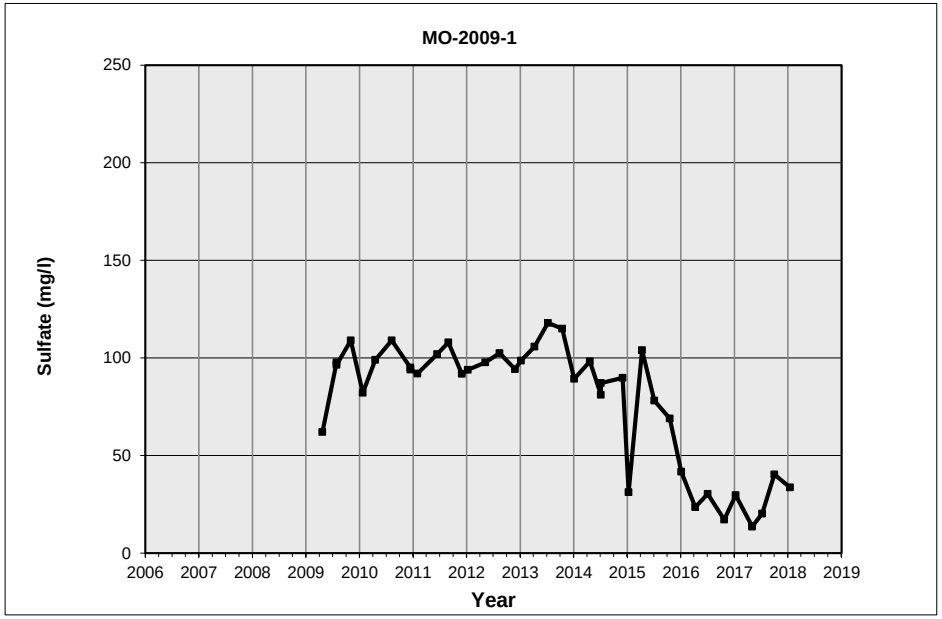


FIGURE C.3
SULFATE CONCENTRATION OVER TIME FOR WELLS
MO-2009-1 AND CW-10



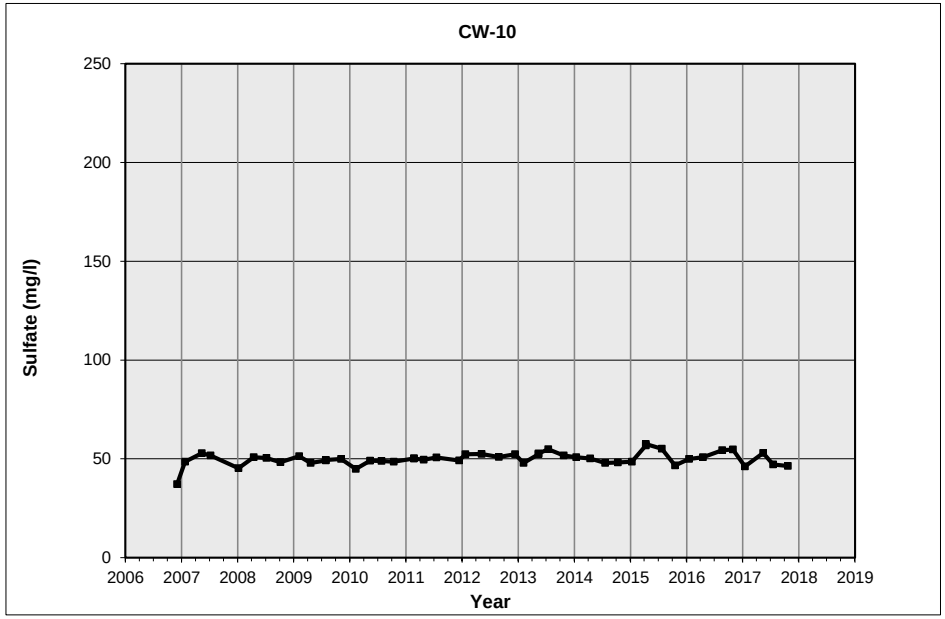


FIGURE C.4
SULFATE CONCENTRATION OVER TIME FOR WELLS
GV-01-GVDWID, GV-02-GVDWID, MO-2007-6A, and MO-2007-6B

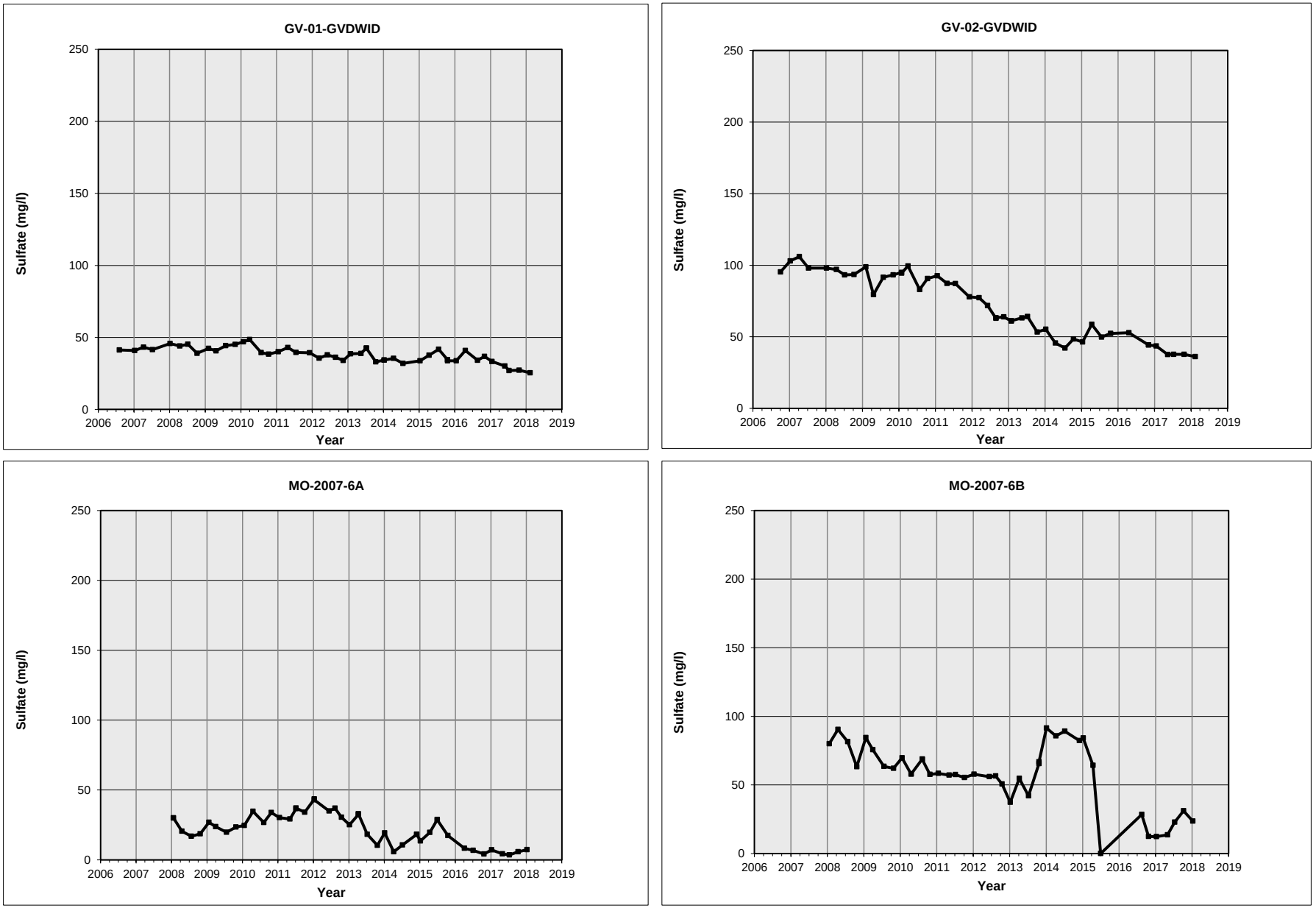
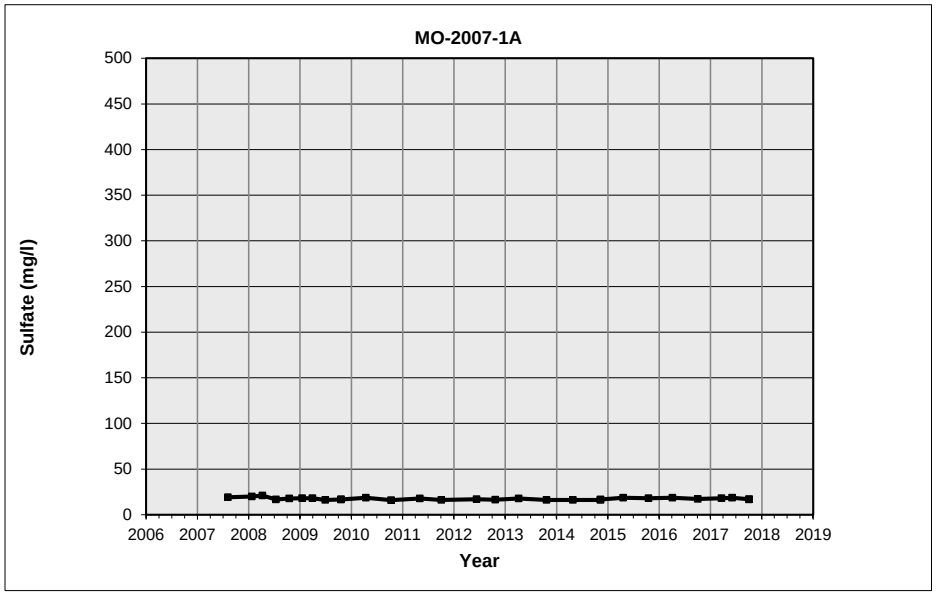
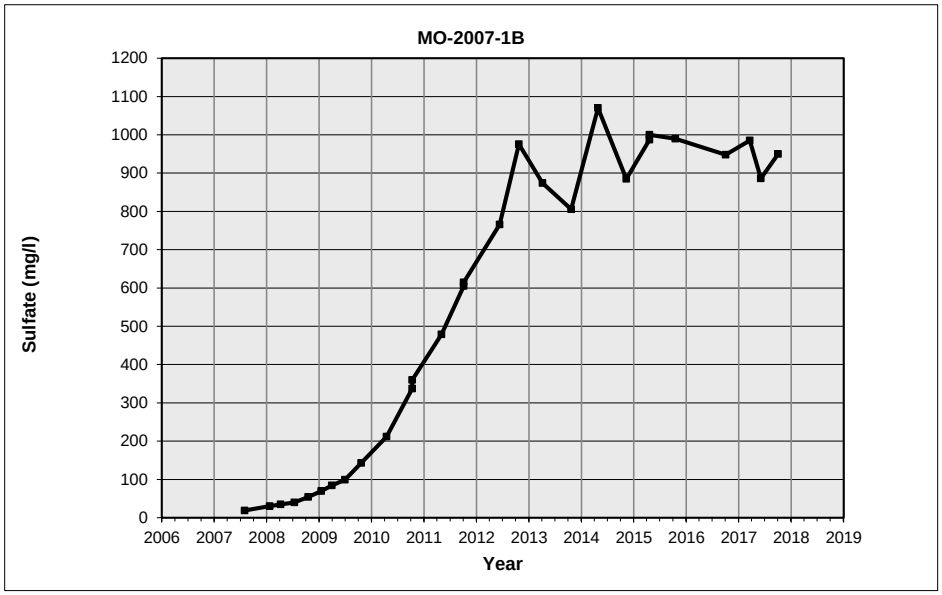


FIGURE C.5
SULFATE CONCENTRATION OVER TIME FOR WELLS
MO-2007-1A, MO-2007-1B, AND MO-2007-1C





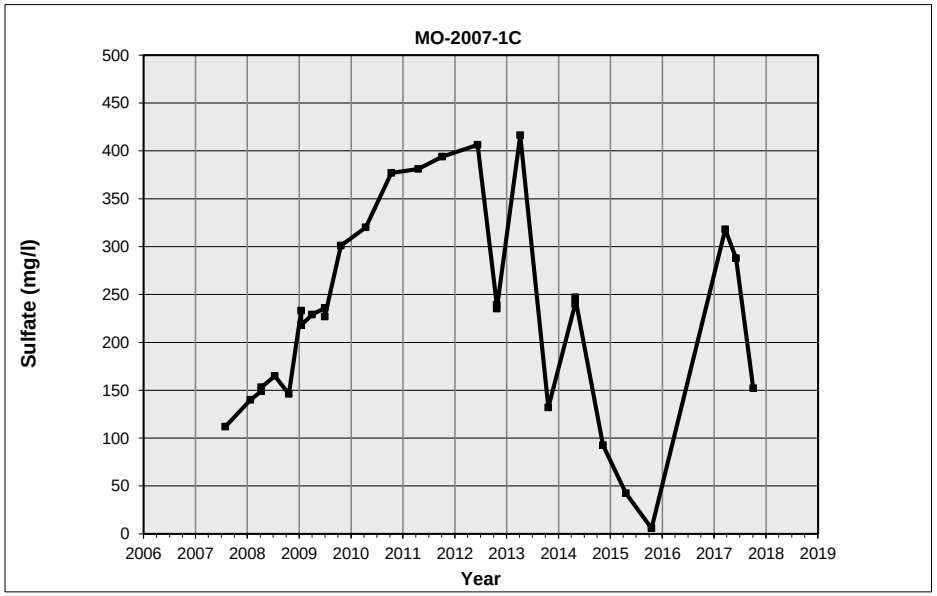
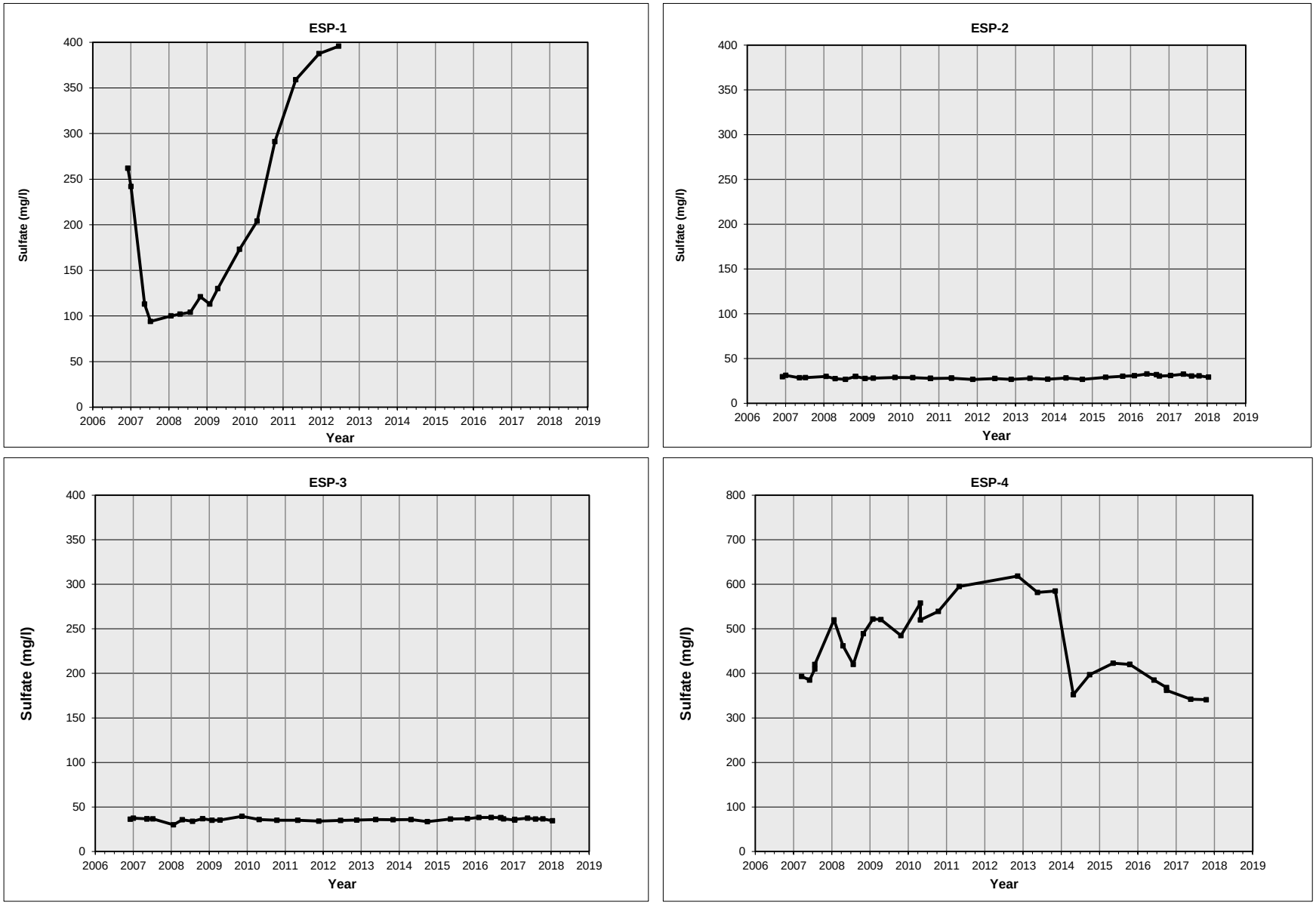
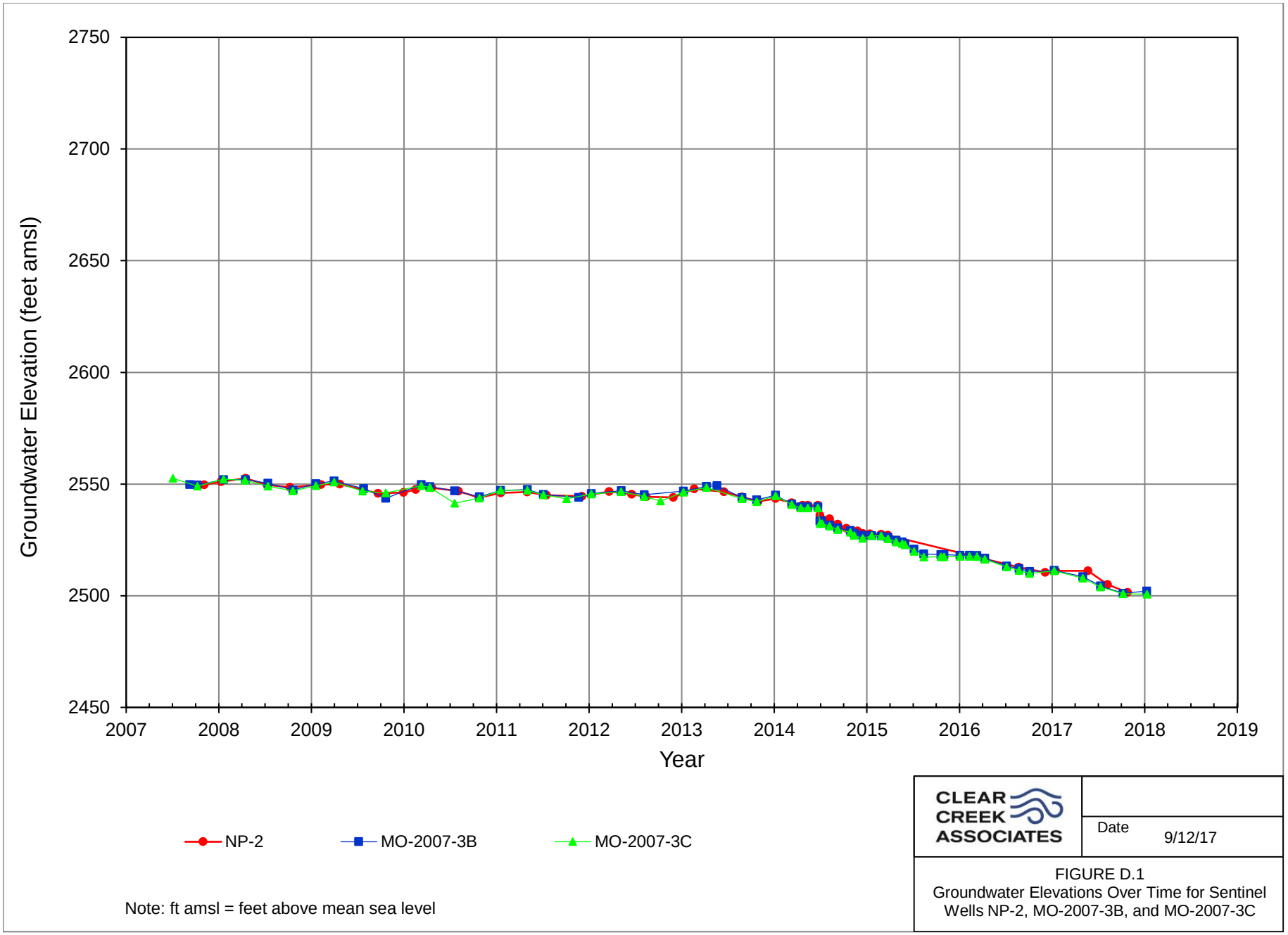


FIGURE C.6
SULFATE CONCENTRATION OVER TIME FOR WELLS
ESP-1, ESP-2, ESP-3, AND ESP-4



APPENDIX D

TIME SERIES GRAPHS OF GROUNDWATER ELEVATION IN SENTINEL WELLS

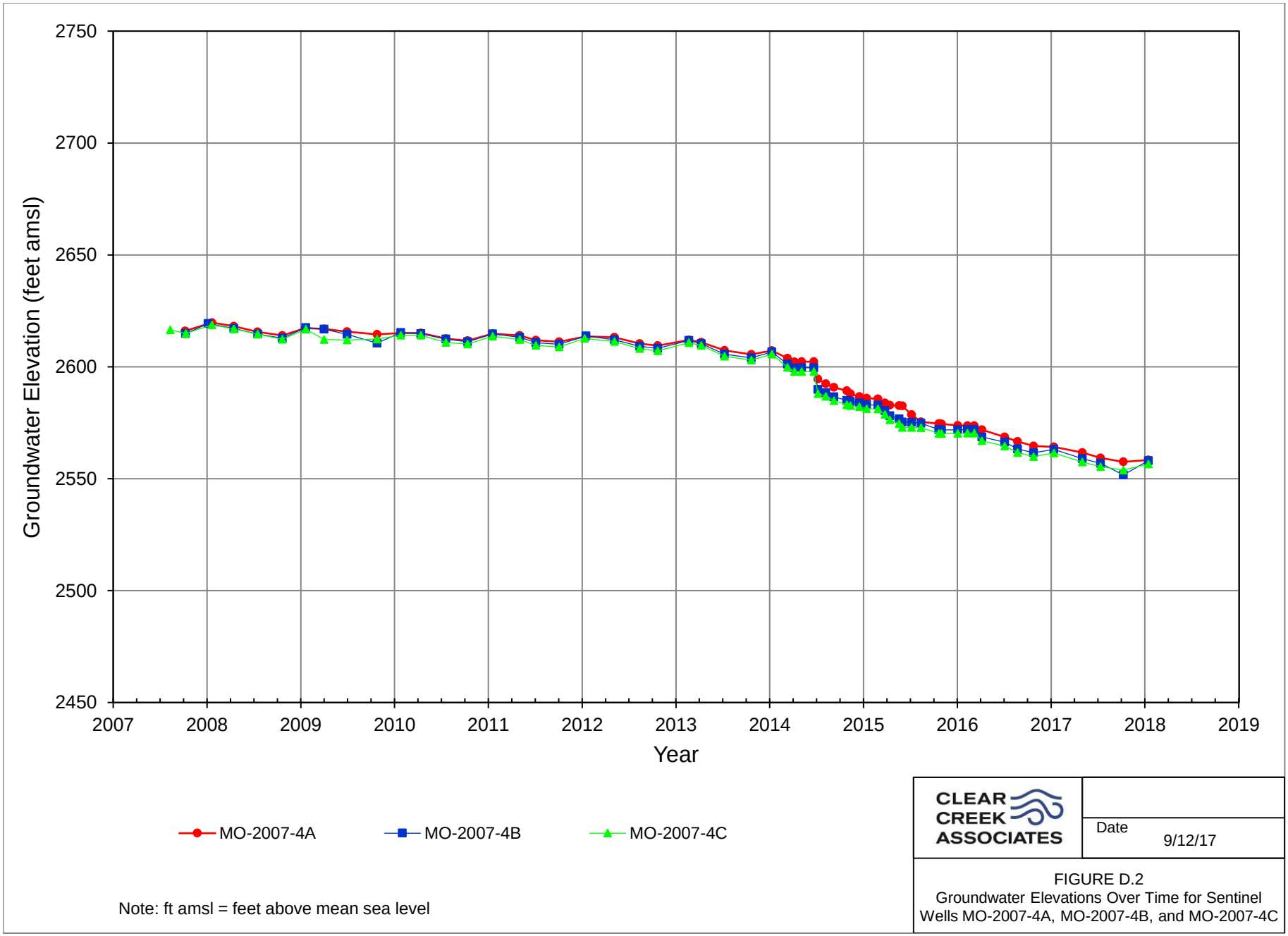


Note: ft amsl = feet above mean sea level

CLEAR CREEK ASSOCIATES

Date 9/12/17

FIGURE D.1
Groundwater Elevations Over Time for Sentinel Wells NP-2, MO-2007-3B, and MO-2007-3C

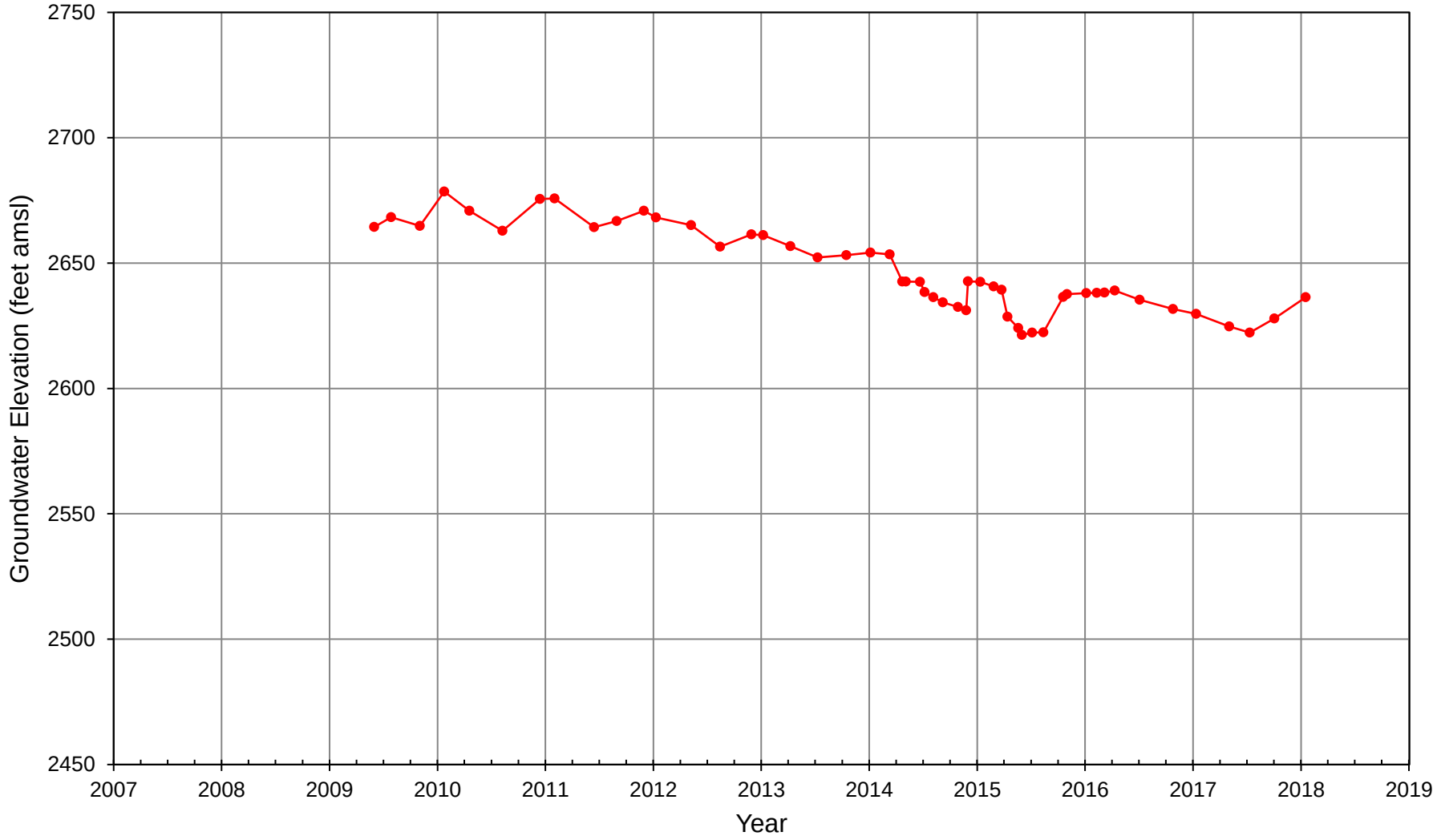


Note: ft amsl = feet above mean sea level

CLEAR CREEK ASSOCIATES

Date 9/12/17

FIGURE D.2
Groundwater Elevations Over Time for Sentinel Wells MO-2007-4A, MO-2007-4B, and MO-2007-4C

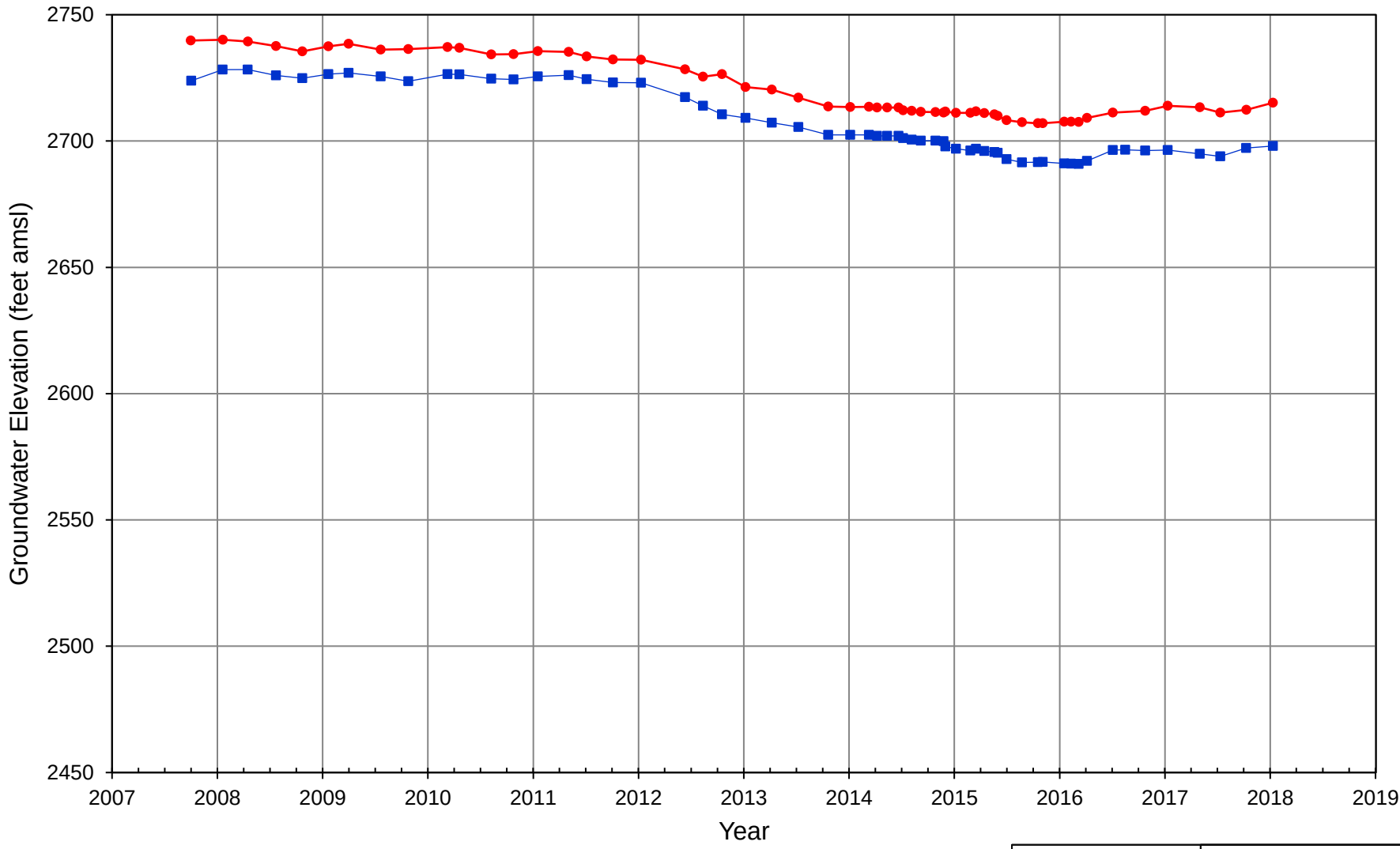


Note: ft amsl = feet above mean sea level

CLEAR CREEK ASSOCIATES

Date 9/12/17

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 9/12/17

FIGURE D.4
Groundwater Elevations Over Time for Sentinel Wells MO-2007-6A and MO-2007-6B