



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

November 14, 2023

**Via Email**

Bret Esslin  
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  
Groundwater Monitoring Report Second Quarter and Third Quarter  
2023**

Dear Mr. Esslin:

In accordance with Section 5.1.2 of the Mitigation Plan<sup>1</sup>, Freeport-McMoRan Sierrita Inc. (Sierrita) submits the enclosed *Semi-annual Groundwater Monitoring Report for Samples Collected during the Second Quarter and Third Quarter 2023*, prepared by Clear Creek Associates for Sierrita.

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

Please do not hesitate to contact me at (520) 260-2250 if you have any questions regarding this submittal.

Sincerely,

Alexander Hlebovy  
Environmental Scientist I

AH:  
20231108\_001

xc: Dave Gosen, Freeport-McMoRan Inc.

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<sup>1</sup> 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.  
<sup>2</sup> Correspondence from Chad D. Fretz, Sierrita, to Cynthia S. Campbell, ADEQ Water Quality Compliance Section. Re: Mitigation Order on Consent Docket No. P-50-06 - Mitigation Plan. March 18, 2010.

**SEMIANNUAL GROUNDWATER MONITORING REPORT  
FOR SAMPLES COLLECTED DURING THE SECOND AND  
THIRD QUARTERS 2023**

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



*Prepared for:*

**FREEMPORT-MCMORAN SIERRITA INC.**  
6200 West Duval Mine Road  
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November 8, 2023

**SEMIANNUAL GROUNDWATER MONITORING REPORT FOR SAMPLES  
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PIMA COUNTY, ARIZONA**

*Prepared for:*

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

Prepared by:



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Expires: 6/30/26  
Arizona Registered Geologist No. 57975

Reviewed and Approved by:



*James R. Norris*  
Expires 12/31/23  
James R. Norris  
Arizona Registered Geologist No. 30842

November 8, 2023

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# 1. INTRODUCTION

## 1.1 Scope of Groundwater Monitoring

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

Groundwater monitoring for the mitigation action is conducted to track the plume location, monitor for sulfate in drinking water supplies, and document groundwater levels in the vicinity of the plume. The Mitigation Plan contains a “Post-Implementation Groundwater Monitoring Plan” which identifies the wells and schedule for monitoring after startup of the mitigation wellfield. The Post-Implementation Groundwater Monitoring Plan is reviewed periodically and updated as needed for the mitigation performance review prepared pursuant to the Mitigation Plan. The mitigation performance reviews were required annually for the first five years of the mitigation action and every five years thereafter. The performance review for 2018 was the last annual review submitted to ADEQ (Clear Creek Associates, 2019). The next performance review is due in 2024. The schedule used for monitoring in the second and third quarters 2023 was published in the performance review for 2018. New wells are added to the Post-Implementation Groundwater Monitoring Plan when needed and the schedule is updated in the subsequent mitigation performance review.

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.

Table 1 lists the wells identified for monitoring for the Post-Implementation Groundwater Monitoring Plan. Figure 1 shows the well locations and sampling frequency. Additional samples were collected from monitor well CW-7 in the second and third quarters 2023.

Sierrita installed two extraction wells (MC-5 and MC-6) in the second quarter 2023. The wells were added to the Sampling Schedule for Post-Implementation Groundwater Monitoring (Table

1) for semiannual water level measurements. Samples will be collected from the wells semiannually when they are equipped with permanent pumps.

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 second and third quarters 2023 are presented in Section 2.1.

## 2. GROUNDWATER MONITORING

### 2.1 Monitoring Results

Table 2 summarizes the monitoring conducted in second and third quarters 2023. Analytical results and groundwater elevation data for second and third quarters 2023 are tabulated in Tables 3 and 4, respectively. Historical analytical results and groundwater elevation data are compiled in Appendix A.

Figures 2 and 3 show the concentrations of dissolved sulfate in the wells sampled in second and third quarters 2023, 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. The extent of the sulfate plume and the contours drawn on these figures are based on historical data and quarterly sulfate concentration data from samples collected in the second and third quarters 2023.

Groundwater elevations in second and third quarters 2023 are presented on Figures 4 and 5, respectively. The 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 at most wells were calculated using depth to water measurements taken under non-pumping (static) conditions. Depth to water may also have been measured under pumping (dynamic) conditions at Mitigation Plan extraction wells, public drinking water supply wells, and agricultural irrigation wells. Table 4 and Figures 4 and 5 note which water level data are static and which are dynamic. The dynamic water levels can be lower than nearby static water levels because pumping lowers the water table in the vicinity of the extraction wells. Wells with a history of regular operation may have residual drawdown even if measured under non-pumping conditions. Areas of depressed water table conditions around pumping wells are depicted on Figure 4.

### 2.2 Quality Assurance/Quality Control Review

Pursuant to Section 6.4 of the QAPP, a data verification report was prepared for quality assurance and quality control purposes. The data verification report reviews the groundwater data collected by Sierrita during the second and third quarters 2023 with respect to data quality objectives in the

QAPP, and is included as Appendix B. Analytical laboratory reports for samples collected in second and third quarters 2023 are provided in portable document format on the compact disk in Appendix C. As described in the data verification report, all data are of acceptable quality for use in the groundwater monitoring program conducted pursuant to the Mitigation Order.

### 3. FINDINGS

This semiannual data report provides the results of groundwater monitoring conducted in the vicinity of the STI for the second and third quarters 2023. Groundwater samples were collected from 75 plume area wells and depth to water measurements were collected from 103 wells during the second quarter 2023. In the third quarter 2023, groundwater samples were collected from 15 plume area wells and depth to water measurements were collected from 14 plume area wells.

Well monitoring for the second quarter 2023 was conducted according to the Post-Implementation Groundwater Monitoring Plan except at 27 wells. Water samples were not collected at IW-6A, IW-14, IW-15, IW-22, and MC-4 because the extraction wells were not operational. Water levels could not be measured at CW-6, FFS-2, FFS-4, IW-8, IW-10, IW-12, IW-19, M-8, MC-2, and ST-6 because there were obstructions in the sounding tubes or the sounding tubes were not functional. Water levels were not measured at M-9, MH-3, MH-25A, and MH-26B because the water level was below the sounding tube. A water level was not measured at MH-16E because the well was dry. Water levels could not be measured at CCGV2, GV-01-PCWW, GV-02-PCWW, and HAVEN GOLF because the wells were not accessible. Water levels were not measured at IW-4 and IW-9 because the wells turned on or off when field staff were onsite causing rapid changes in the water levels. A water level could not be measured at FICO E-6 because there was oil in the well that prevented field staff from getting a good reading with the sounder. Four additional depth-specific samples were collected from CW-7 as discussed later in this section.

Well sampling for the third quarter 2023 was conducted according to the Post-Implementation Groundwater Monitoring Plan except the water level was not measured at CW-6 because there was an obstruction in the sounding tube. Four additional depth-specific samples were collected from CW-7 as discussed later in this section.

Comparison of the sulfate concentration data for the second and third quarters 2023 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 of the plume to MO-2007-1 occurred prior to the implementation of the Mitigation Plan in 2014 (Clear Creek Associates, 2019). The sulfate concentrations at the MO-2007-1 wells were less than 250 mg/L in the second quarter 2023. Sierrita collected four depth-specific samples from monitor well CW-7 in second and third quarters 2023 using HydraSleeve samplers. The samples were collected from 600, 700, 800, and 900 feet below land surface with the shallowest sample collected first and progressing sequentially downward to avoid disturbance of deeper sample depths prior to

sampling. The second quarter 2023 sulfate concentration ranged from 37.2 mg/L in the 600-foot sample to 296 mg/L in the 700-foot sample (Table 3 and Figure 2). The third quarter 2023 sulfate concentration ranged from 39.2 mg/L in the 600-foot sample to 286 mg/L in the 800-foot sample (Table 3 and Figure 3).

The northern edge of the plume remains bounded by monitor wells MW-2016-5A, MW-2016-5B, and MW-2016-6. In the second quarter 2023, the eastern edge of the plume was bounded by:

- monitor wells ESP-2, ESP-3, ESP-4, and CW-3;
- monitor well series MO-2007-1 and MO-2007-5;
- sentinel wells NP-2 and MO-2009-1;
- and sentinel well series MO-2007-3, MO-2007-4, and MO-2007-6.

The east edge of the plume in third quarter 2023 was defined by the same sentinel wells as in the second quarter 2023.

In 2014, the start of pumping at the FFS, PS, and MC wells caused water elevation depressions and convergent groundwater flow patterns in the vicinity of some of the extraction wells. 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 2018 performance review (Clear Creek Associates, 2019).

Appendix D presents time series graphs of sulfate concentrations at drinking water supply wells, sentinel wells, and select monitoring wells. Appendix E includes graphs of water level data over time for sentinel wells and water supply wells. Sulfate concentration data indicate that concentrations at drinking water supply wells were 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 were less than the 135 mg/L interim action trigger level.

#### 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. 2019. Mitigation Performance Review for 2018, Mitigation Order on Consent Docket No. P-50-06. April 19, 2019.
- Hydro Geo Chem, Inc. 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
COTONIA <sup>1</sup>	230945	DWS	GVDWID	SO4+WL	SO4+WL	SO4+WL	SO4+WL
CW-3	627483	Monitor	CWC		SO4+WL		SO4+WL
CW-6	627485	DWS	CWC	SO4+WL	SO4+WL	SO4+WL	SO4+WL
CW-7	502546	Monitor	CWC		WLO		WLO
CW-8	543600	Monitor	CWC		WLO		WLO
CW-9	588121	DWS	CWC	SO4+WL	SO4+WL	SO4+WL	SO4+WL
CW-10	207982	DWS	CWC	SO4+WL	SO4+WL	SO4+WL	SO4+WL
CW-11	608518	DWS	CWC		WLO		WLO
ESP-2	623103	Monitor	Sierrita		SO4+WL		SO4+WL
ESP-3	623104	Monitor	Sierrita		SO4+WL		SO4+WL
ESP-4	623105	Monitor	Sierrita		SO4+WL		SO4+WL
ESP-5	623106	Monitor	Sierrita		WLO		WLO
FFS-1	221662	Extraction	Sierrita		SO4+WL		WLO
FFS-2	221663	Extraction	Sierrita		SO4+WL		WLO
FFS-3	221664	Extraction	Sierrita		SO4+WL		WLO
FFS-4	221665	Extraction	Sierrita		SO4+WL		WLO
FFS-5	221666	Extraction	Sierrita		SO4+WL		WLO
FFS-6	221667	Extraction	Sierrita		SO4+WL		WLO
FICO C-4	624010	Ag Extraction	FICO		WLO		WLO
FICO E-6	624013	Ag Extraction	FICO		WLO		WLO
FICO E-6A <sup>2</sup>	233205	Ag Extraction	FICO		WLO		WLO
GV-01-GVDWID	603428	Monitor	GVDWID		WLO		WLO
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-12	608523	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	Monitor	Sierrita		WLO		WLO
IW-6A	545565	Extraction	Sierrita		SO4+WL		WLO
IW-8	508236	Extraction	Sierrita		SO4+WL		WLO
IW-9	508238	Extraction	Sierrita		SO4+WL		WLO
IW-10	508237	Extraction	Sierrita		SO4+WL		WLO
IW-11	508235	Extraction	Sierrita		SO4+WL		WLO
IW-12	545555	Extraction	Sierrita		SO4+WL		WLO
IW-13	545556	Monitor	Sierrita		WLO		WLO
IW-14	545557	Extraction	Sierrita		SO4+WL		WLO
IW-15	545558	Extraction	Sierrita		SO4+WL		WLO
IW-16	545559	Monitor	Sierrita		WLO		WLO
IW-17	545560	Monitor	Sierrita		WLO		WLO
IW-18	545561	Monitor	Sierrita		WLO		WLO
IW-19	545562	Extraction	Sierrita		SO4+WL		WLO
IW-20	545563	Monitor	Sierrita		WLO		WLO
IW-21	545564	Extraction	Sierrita		SO4+WL		WLO
IW-22	200554	Extraction	Sierrita		SO4+WL		WLO
IW-23	200555	Extraction	Sierrita		SO4+WL		WLO
IW-24	200556	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-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-1	85228	Monitor	Sierrita		WLO		WLO
M-5	87387	Monitor	Sierrita		WLO		WLO
M-8	87390	Monitor	Sierrita		SO4+WL		SO4+WL
M-9	501652	Monitor	Sierrita		SO4+WL		WLO
M-10	501653	Monitor	Sierrita		SO4+WL		SO4+WL
M-11	501654	Monitor	Sierrita		WLO		WLO
M-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
<b>MC-5</b>	<b>238240</b>	<b>Extraction</b>	<b>Sierrita</b>		<b>WLO</b>		<b>WLO</b>
<b>MC-6</b>	<b>238394</b>	<b>Extraction</b>	<b>Sierrita</b>		<b>WLO</b>		<b>WLO</b>
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 <sup>3</sup>	906816	Sentinel	Sierrita	SO4+WL	SO4+WL	SO4+WL	SO4+WL
MO-2007-3C <sup>3</sup>	906817	Sentinel	Sierrita	SO4+WL	SO4+WL	SO4+WL	SO4+WL
MO-2007-4A <sup>4</sup>	907213	Sentinel	Sierrita	SO4+WL	SO4+WL	SO4+WL	SO4+WL
MO-2007-4B <sup>4</sup>	907212	Sentinel	Sierrita	SO4+WL	SO4+WL	SO4+WL	SO4+WL
MO-2007-4C <sup>4</sup>	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 <sup>5</sup>	907607	Sentinel	Sierrita	SO4+WL	SO4+WL	SO4+WL	SO4+WL
MO-2007-6B <sup>5</sup>	907606	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-2009-1 <sup>6</sup>	910458	Sentinel	Sierrita	SO4+WL	SO4+WL	SO4+WL	SO4+WL
MW-2016-5A	919635	Monitor	Sierrita		SO4+WL		SO4+WL
MW-2016-5B	919472	Monitor	Sierrita		SO4+WL		SO4+WL
MW-2016-6	919676	Monitor	Sierrita		SO4+WL		SO4+WL
NP-2 <sup>3</sup>	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
1758	634392	Monitor	Sierrita		WLO		WLO
1759	634393	Monitor	Sierrita		WLO		WLO
2123	511895	Monitor	Sierrita		WLO		WLO
2125	514015	Monitor	Sierrita		WLO		WLO

Notes:

**BOLDED WELLS added to monitoring schedule in Q2 2023**

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

<sup>1</sup> Replacement well for GV-01-GVDWID

<sup>2</sup> Replacement well for FICO E-6

<sup>3</sup> Sentinel Well for CW-9

<sup>4</sup> Sentinel Well for CW-6

<sup>5</sup> Sentinel Well for COTONIA and GV-02-GVDWID

<sup>6</sup> Sentinel Well for CW-10

**TABLE 2**  
**Monitoring Summary - Second and Third Quarters 2023**

Well Name	ADWR 55 Well Registry No.	Second Quarter 2023				Third Quarter 2023			
		Requirement	Sample Collected	Water Level Collected	Comment	Requirement	Sample Collected	Water Level Collected	Comment
CC of GV	501760	SO4	Y	N	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
CCGV2	627484	WLO	N	N	No access to well site.		N	N	Not scheduled for third quarter 2023.
COTONIA	230945	SO4+WL	Y	Y	Water sample collected in May 2023.	SO4+WL	Y	Y	Water sample collected in July 2023
CW-3	627483	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
CW-6	627485	SO4+WL	Y	N	Water sample collected in May 2023. Unable to measure water level due to obstruction.	SO4+WL	Y	N	Water sample collected in July 2023. Unable to measure water level due to obstruction.
CW-7	502546	WLO	Y	Y	Water sample collected in May 2023.		Y	Y	Water samples collected in July 2023.
CW-8	543600	WLO	N	Y	Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
CW-9	588121	SO4+WL	Y	Y	Water sample collected in May 2023.	SO4+WL	Y	Y	Water sample collected in July 2023.
CW-10	207982	SO4+WL	Y	Y	Water sample collected in May 2023.	SO4+WL	Y	Y	Water sample collected in July 2023.
CW-11	608518	WLO	N	Y	Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
ESP-2	623103	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
ESP-3	623104	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
ESP-4	623105	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
ESP-5	623106	WLO	N	Y	Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
FFS-1	221662	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
FFS-2	221663	SO4+WL	Y	N	Water sample collected in May 2023. Unable to measure water level due to obstruction.		N	N	Not scheduled for third quarter 2023.
FFS-3	221664	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
FFS-4	221665	SO4+WL	Y	N	Water sample collected in May 2023. Unable to measure water level due to obstruction.		N	N	Not scheduled for third quarter 2023.
FFS-5	221666	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.

**TABLE 2**  
**Monitoring Summary - Second and Third Quarters 2023**

Well Name	ADWR 55 Well Registry No.	Second Quarter 2023				Third Quarter 2023			
		Requirement	Sample Collected	Water Level Collected	Comment	Requirement	Sample Collected	Water Level Collected	Comment
FFS-6	221667	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
FICO C-4	624010	WLO	N	Y	Water level measured in June 2023.		N	N	Not scheduled for third quarter 2023.
FICO E-6	624013	WLO	N	N	Well replaced by FICO E-6A. Unable to measure water level due to oil in the well.		N	N	Not scheduled for third quarter 2023.
FICO E-6A	233205	WLO	N	Y	Water level measured in June 2023.		N	N	Not scheduled for third quarter 2023.
GV-01-GVDWID	603428	WLO	N	Y	Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
GV-01-PCWW	509603	WLO	N	N	No access to well site.		N	N	Not scheduled for third quarter 2023.
GV-02-GVDWID	603429	SO4+WL	Y	Y	Water sample collected in May 2023.	SO4+WL	Y	Y	Water sample collected in July 2023.
GV-02-PCWW	509604	WLO	N	N	No access to well site.		N	N	Not scheduled for third quarter 2023.
GV-SI-GVDWID	208825	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
HAVEN GOLF	515867	SO4	N	N	No access to well site.		N	N	Not scheduled for third quarter 2023.
I-12	608523	WLO	N	Y	Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
IW-1	623129	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
IW-2A	216464	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
IW-3A	201732	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
IW-4	623132	SO4+WL	Y	N	Water sample collected in May 2023. No water level measured because well started up when staff were onsite for measurement.		N	N	Not scheduled for third quarter 2023.
IW-5A	219131	WLO	N	Y	Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
IW-6A	545565	SO4+WL	N	Y	Well was not operational. Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
IW-8	508236	SO4+WL	Y	N	Water sample collected in May 2023. Staff unable to get good measurement for water level.		N	N	Not scheduled for third quarter 2023.
IW-9	508238	SO4+WL	Y	N	Water sample collected in May 2023. No water level measured because well shutoff when staff were onsite and was recovering.		N	N	Not scheduled for third quarter 2023.

**TABLE 2**  
**Monitoring Summary - Second and Third Quarters 2023**

Well Name	ADWR 55 Well Registry No.	Second Quarter 2023				Third Quarter 2023			
		Requirement	Sample Collected	Water Level Collected	Comment	Requirement	Sample Collected	Water Level Collected	Comment
IW-10	508237	SO4+WL	Y	N	Water sample collected in May 2023. Water level not measured due to obstruction.		N	N	Not scheduled for third quarter 2023.
IW-11	508235	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
IW-12	545555	SO4+WL	Y	N	Water sample collected in May 2023. Unable to measure water level due to lack of sounding tube.		N	N	Not scheduled for third quarter 2023.
IW-13	545556	WLO	N	Y	Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
IW-14	545557	SO4+WL	N	Y	Well was not operational. Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
IW-15	545558	SO4+WL	N	Y	Well was not operational. Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
IW-16	545559	WLO	N	Y	Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
IW-17	545560	WLO	N	Y	Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
IW-18	545561	WLO	N	Y	Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
IW-19	545562	SO4+WL	Y	N	Water sample collected in May 2023. Water level not measured due to obstruction.		N	N	Not scheduled for third quarter 2023.
IW-20	545563	WLO	N	Y	Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
IW-21	545564	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
IW-22	200554	SO4+WL	N	Y	Well was not operational. Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
IW-23	200555	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
IW-24	200556	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
IW-25	219596	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
IW-26	219143	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
IW-27	219136	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
IW-28	219137	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.

**TABLE 2**  
**Monitoring Summary - Second and Third Quarters 2023**

Well Name	ADWR 55 Well Registry No.	Second Quarter 2023				Third Quarter 2023			
		Requirement	Sample Collected	Water Level Collected	Comment	Requirement	Sample Collected	Water Level Collected	Comment
IW-29	222865	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
M-1	85228	WLO	N	Y	Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
M-5	87387	WLO	N	Y	Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
M-8	87390	SO4+WL	N	N	Well was not operational. Unable to measure water level due to obstruction.		N	N	Not scheduled for third quarter 2023.
M-9	501652	SO4+WL	N	N	Water was below sounding tube and pump.		N	N	Not scheduled for third quarter 2023.
M-10	501653	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
M-11	501654	WLO	N	Y	Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
M-20	906595	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
MC-1	221660	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
MC-2	221761	SO4+WL	Y	N	Water sample collected in May 2023. Unable to measure water level due to obstruction.		N	N	Not scheduled for third quarter 2023.
MC-3	221661	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
MC-4	220842	SO4+WL	N	Y	Well was not operational. Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
<b>MC-5</b>	<b>238240</b>	<b>WLO</b>	<b>N</b>	<b>Y</b>	<b>Water level measured in May 2023.</b>		<b>N</b>	<b>N</b>	<b>Not scheduled for third quarter 2023.</b>
<b>MC-6</b>	<b>238394</b>	<b>WLO</b>	<b>N</b>	<b>Y</b>	<b>Water level measured in June 2023.</b>		<b>N</b>	<b>N</b>	<b>Not scheduled for third quarter 2023.</b>
MH-1	803629	WLO	N	Y	Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
MH-3	803630	WLO	N	N	Unable to measure water level because water was below sounding tube.		N	N	Not scheduled for third quarter 2023.
MH-5	803632	WLO	N	Y	Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.

**TABLE 2**  
**Monitoring Summary - Second and Third Quarters 2023**

Well Name	ADWR 55 Well Registry No.	Second Quarter 2023				Third Quarter 2023			
		Requirement	Sample Collected	Water Level Collected	Comment	Requirement	Sample Collected	Water Level Collected	Comment
MH-6	803633	WLO	N	Y	Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
MH-7	803634	WLO	N	Y	Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
MH-9	803635	WLO	N	Y	Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
MH-10	803636	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
MH-11	803637	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
MH-13A	904071	SO4+WL	N	Y	Well was not operational. Water level measured in April 2023.		N	N	Not scheduled for third quarter 2023.
MH-13B	904072	SO4+WL	Y	Y	Water sample collected in April 2023.		N	N	Not scheduled for third quarter 2023.
MH-13C	904073	SO4+WL	Y	Y	Water sample collected in April 2023.		N	N	Not scheduled for third quarter 2023.
MH-14	528098	WLO	N	Y	Water level measured in April 2023.		N	N	Not scheduled for third quarter 2023.
MH-15E	528094	WLO	N	Y	Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
MH-16E	528100	WLO	N	N	Well was dry.		N	N	Not scheduled for third quarter 2023.
MH-16W	528099	WLO	N	Y	Water level measured in April 2023.		N	N	Not scheduled for third quarter 2023.
MH-25A	201528	SO4+WL	N	N	Water level was below sounding tube and pump.		N	N	Not scheduled for third quarter 2023.
MH-25B	208429	SO4+WL	Y	Y	Water sample collected in April 2023.		N	N	Not scheduled for third quarter 2023.
MH-25C	208426	SO4+WL	Y	Y	Water sample collected in April 2023.		N	N	Not scheduled for third quarter 2023.
MH-26B	208427	SO4+WL	N	N	Water level was below sounding tube and pump.		N	N	Not scheduled for third quarter 2023.
MH-26C	208428	SO4+WL	Y	Y	Water sample collected in April 2023.		N	N	Not scheduled for third quarter 2023.
MH-28	903648	SO4+WL	Y	Y	Water sample collected in April 2023.		N	N	Not scheduled for third quarter 2023.
MH-29	903649	SO4+WL	Y	Y	Water sample collected in April 2023.		N	N	Not scheduled for third quarter 2023.
MH-30	903884	SO4+WL	Y	Y	Water sample collected in April 2023.		N	N	Not scheduled for third quarter 2023.



**TABLE 2**  
**Monitoring Summary - Second and Third Quarters 2023**

Well Name	ADWR 55 Well Registry No.	Second Quarter 2023				Third Quarter 2023			
		Requirement	Sample Collected	Water Level Collected	Comment	Requirement	Sample Collected	Water Level Collected	Comment
MO-2007-1A	907342	SO4+WL	Y	Y	Water sample collected in April 2023.		N	N	Not scheduled for third quarter 2023.
MO-2007-1B	907210	SO4+WL	Y	Y	Water sample collected in April 2023.		N	N	Not scheduled for third quarter 2023.
MO-2007-1C	907209	SO4+WL	Y	Y	Water sample collected in April 2023.		N	N	Not scheduled for third quarter 2023.
MO-2007-2	906765	SO4+WL	Y	Y	Water sample collected in April 2023.		N	N	Not scheduled for third quarter 2023.
MO-2007-3B <sup>1</sup>	906816	SO4+WL	Y	Y	Water sample collected in April 2023.	SO4+WL	Y	Y	Water sample collected in July 2023.
MO-2007-3C <sup>1</sup>	906817	SO4+WL	Y	Y	Water sample collected in April 2023.	SO4+WL	Y	Y	Water sample collected in July 2023.
MO-2007-4A <sup>2</sup>	907213	SO4+WL	Y	Y	Water sample collected in May 2023.	SO4+WL	Y	Y	Water sample collected in July 2023.
MO-2007-4B <sup>2</sup>	907212	SO4+WL	Y	Y	Water sample collected in May 2023.	SO4+WL	Y	Y	Water sample collected in July 2023.
MO-2007-4C <sup>2</sup>	907211	SO4+WL	Y	Y	Water sample collected in May 2023.	SO4+WL	Y	Y	Water sample collected in July 2023.
MO-2007-5B	907456	SO4+WL	Y	Y	Water sample collected in April 2023.		N	N	Not scheduled for third quarter 2023.
MO-2007-5C	907457	SO4+WL	Y	Y	Water sample collected in April 2023.		N	N	Not scheduled for third quarter 2023.
MO-2007-6A <sup>3</sup>	907607	SO4+WL	Y	Y	Water sample collected in April 2023.	SO4+WL	Y	Y	Water sample collected in July 2023.
MO-2007-6B <sup>3</sup>	907606	SO4+WL	Y	Y	Water sample collected in April 2023.	SO4+WL	Y	Y	Water sample collected in July 2023.
MO-2009-1 <sup>5</sup>	910458	SO4+WL	Y	Y	Water sample collected in May 2023.	SO4+WL	Y	Y	Water sample collected in July 2023.
MW-2016-5A	919635	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
MW-2016-5B	919472	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
MW-2016-6	919676	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
NP-2 <sup>2</sup>	605898	SO4+WL	Y	Y	Water sample collected in May 2023.	SO4+WL	Y	Y	Water sample collected in July 2023.
PS-1	220861	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.

**TABLE 2**  
**Monitoring Summary - Second and Third Quarters 2023**

Well Name	ADWR 55 Well Registry No.	Second Quarter 2023				Third Quarter 2023			
		Requirement	Sample Collected	Water Level Collected	Comment	Requirement	Sample Collected	Water Level Collected	Comment
PS-2	220862	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
PS-3	220863	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
PS-4	220864	SO4+WL	Y	Y	Water sample collected in May 2023.		N	N	Not scheduled for third quarter 2023.
PZ-7	561870	SO4+WL	Y	Y	Water sample collected in April 2023.		N	N	Not scheduled for third quarter 2023.
PZ-8	561866	SO4+WL	Y	Y	Water sample collected in April 2023.		N	N	Not scheduled for third quarter 2023.
S-1	623111	WLO	N	Y	Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
ST-6	608530	WLO	N	N	Unable to measure water level due to obstruction.		N	N	Not scheduled for third quarter 2023.
1225	634394	WLO	N	Y	Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
1350	ND	WLO	N	Y	Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
1758	634392	WLO	N	Y	Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
1759	634393	WLO	N	Y	Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
2123	511895	WLO	N	Y	Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.
2125	514015	WLO	N	Y	Water level measured in May 2023.		N	N	Not scheduled for third quarter 2023.

*Notes:*

**BOLDED WELLS added to monitoring schedule in Q2 2023**

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

<sup>1</sup> First and third quarter sampling pursuant to Contingency Plan

<sup>2</sup> Sentinel Well for CW-9

<sup>3</sup> Sentinel Well for CW-6

<sup>4</sup> Sentinel Well for GV-01-GVDWID and GV-02-GVDWID

<sup>5</sup> Sentinel Well for CW-10

**TABLE 3**  
**Compilation of Field Parameters and Sulfate Analytical Results**

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)	
CC OF GV	501760	5/8/23		8.43	24.5	570	98.7	
COTONIA	230945	5/18/23		8.40	26.9	347	32.2	
		7/19/23		8.21	26.2	370	25.2	
		7/19/23	DUP	8.21	26.2	370	25.1	
CW-3	627483	5/8/23		8.47	24.1	433	71.4	
CW-6	627485	5/25/23		8.31	26.2	445	62.0	
		7/18/23		8.18	26.0	445	66.1	
CW-7 (600 ft)	502546	5/25/23		8.64	27.2	374	37.2	
		7/18/23		8.55	27.8	294	39.2	
CW-7 (700 ft)		5/25/23		8.62	27.1	462	296	
		7/18/23		8.41	26.6	779	67.2	
CW-7 (800 ft)		5/25/23		8.62	26.6	469	55.2	
		7/18/23		8.33	26.4	444	286	
CW-7 (900 ft)		5/25/23		8.66	25.1	397	54.8	
		7/18/23		8.35	26.2	410	248	
CW-9		588121	5/25/23		8.41	26.6	426	61.0
			5/25/23	DUP	8.41	26.6	426	57.6
	7/18/23			8.23	26.8	422	62.1	
CW-10	207982	5/25/23		8.35	30.1	329	41.9	
		7/18/23		8.26	28.6	392	45.2	
ESP-2	623103	5/10/23		8.30	27.1	375	32.8	
ESP-3	623104	5/10/23		8.38	26.9	305	36.2	
		5/10/23	DUP	8.38	26.9	305	36.2	
ESP-4	623105	5/10/23		8.44	26.9	654	109	
FFS-1	221662	5/15/23		8.16	25.6	2960	1770	
FFS-2	221663	5/15/23		8.30	26.6	3223	1810	
FFS-3	221664	5/17/23		8.15	30.6	2480	1540	
FFS-4	221665	5/17/23		8.06	32.0	2411	1420	
FFS-5	221666	5/17/23		7.95	30.2	3094	1590	
FFS-6	221667	5/17/23		8.04	30.4	2360	1470	
GV-02-GVDWID	603429	5/18/23		8.44	24.1	494	59.0	
		7/19/23		8.12	24.0	465	59.0	
GV-SI-GVDWID	208825	5/18/23		8.41	26.1	357	7.74	
IW-1	623129	5/16/23		8.04	29.2	2270	1100	
IW-2A	216464	5/16/23		8.24	28.3	1026	248	
IW-3A	201732	5/16/23		8.24	26.1	3370	1780	
		5/16/23	DUP	8.24	26.1	3370	1800	
IW-4	623132	5/16/23		8.26	25.7	3110	1870	
IW-8	508236	5/16/23		8.12	24.0	3331	1880	
IW-9	508238	5/16/23		8.16	25.9	3270	1850	
IW-10	508237	5/16/23		7.84	25.1	3360	1870	
IW-11	508235	5/16/23		7.76	24.4	3580	1810	
IW-12	545555	5/16/23		8.33	25.9	2942	1620	
IW-19	545562	5/16/23		8.40	25.6	3330	1920	
IW-21	545564	5/16/23		7.86	28.0	3126	1720	
IW-23	200555	5/16/23		7.94	24.6	3220	1830	
		5/16/23	DUP	7.94	24.6	3220	1850	
IW-24	200556	5/16/23		8.43	23.6	3240	2030	
IW-25	219596	5/16/23		8.11	28.2	2166	760	
IW-26	219143	5/16/23		8.08	26.1	3193	1730	

**TABLE 3**  
**Compilation of Field Parameters and Sulfate Analytical Results**

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
IW-27	219136	5/16/23		8.42	26.1	3188	1620
IW-28	219137	5/16/23		8.06	26.4	3180	1780
IW-29	222865	5/16/23		7.95	26.1	3160	1750
M-10	501653	5/2/23		8.51	30.0	810	189
M-20	906595	5/15/23		9.55	26.9	2280	1160
MC-1	221660	5/17/23		8.15	27.6	3010	1780
MC-2	221761	5/15/23		8.19	28.4	1926	869
		5/15/23	DUP	8.19	28.4	1926	905
MC-3	221661	5/17/23		8.01	29.4	2420	1420
MH-10	803636	5/15/23		8.36	27.0	1647	1520
MH-11	803637	5/15/23		8.56	27.2	3023	1530
MH-13B	904072	4/12/23		8.88	27.6	1317	665
MH-13C	904073	4/13/23		9.59	29.0	384	4.29
MH-25B	208429	4/12/23		8.19	26.8	2407	1460
MH-25C	208426	4/12/23		8.27	28.2	2416	1120
MH-26C	208428	4/11/23		9.08	28.1	2092	947
MH-28	903648	4/5/23		8.26	26.1	3105	1750
MH-29	903649	4/5/23		8.03	26.3	3160	1570
MH-30	903884	4/11/23		7.93	29.4	3240	1790
		4/11/23	DUP	7.93	29.4	3240	1750
MO-2007-1A	907342	4/18/23		8.23	26.4	428	20.5
MO-2007-1B	907210	4/18/23		8.51	27.7	411	11.7
MO-2007-1C	907209	4/18/23		9.02	29.0	320	15.6
MO-2007-2	906765	4/12/23		8.02	26.6	1123	19.8
MO-2007-3B	906816	4/19/23		8.46	28.0	362	37.7
		4/19/23	DUP	8.46	28.0	362	37.6
		7/12/23		8.06	28.0	257	38.0
MO-2007-3C	906817	4/19/23		8.75	30.1	440	107
		7/12/23		8.43	30.3	406	101
		7/12/23	DUP	8.43	30.3	406	99.1
MO-2007-4A	907213	5/1/23		8.02	24.7	429	33.3
		7/20/23		7.98	25.9	428	33.6
MO-2007-4B	907212	5/1/23		8.35	26.8	446	24.9
		7/20/23		8.22	28.1	424	48.6
MO-2007-4C	907211	5/1/23		8.73	29.5	497	94.9
		7/20/23		8.66	30.6	486	93.1
MO-2007-5B	907456	4/13/23		8.46	28.4	821	141
		4/13/23	DUP	8.46	28.4	821	142
MO-2007-5C	907457	4/17/23		9.50	27.5	522	162
MO-2007-6A	907607	4/17/23		8.63	27.4	276	6.01
		7/13/23		8.47	28.2	282	6.39
MO-2007-6B	907606	4/17/23		8.35	30.4	332	47.4
		7/13/23		8.24	32.2	352	42.1
MO-2009-1	910458	5/2/23		8.52	28.6	402	59.7
		7/19/23		8.33	31.1	402	82.2
MW-2016-5A	919635	5/3/23		8.25	26.3	388	29.0
MW-2016-5B	919472	5/3/23		8.49	28.5	427	67.3
MW-2016-6	919676	5/3/23		8.43	27.6	652	133
NP-2	605898	5/8/23		8.28	25.0	409	42.3
		7/24/23		7.37	25.8	424	45.6
PS-1	220861	5/15/23		8.42	27.1	2430	1300
PS-2	220862	5/15/23		8.31	27.4	1988	896
PS-3	220863	5/15/23		8.36	27.4	1627	692

**TABLE 3**  
**Compilation of Field Parameters and Sulfate Analytical Results**

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance ( $\mu$ S/cm)	Sulfate, Dissolved (mg/L)
PS-4	220864	5/15/23		8.25	27.0	2280	1180
PZ-7	561870	4/18/23		8.04	24.8	1479	590
PZ-8	561866	4/12/23		8.01	25.4	1460	666

Notes:

ADWR = Arizona Department of Water Resources

SU = Standard Units

deg C = degrees Celsius

$\mu$ S/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) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
1225	634394	3530604.785	499665.902	2997.93	5/23/23	518.40	Static	2479.53	Sierrita
1350	NR	3528649.387	499296.433	3033.25	5/23/23	549.00	Static	2484.25	Sierrita
1758	634392	3532416.721	499666.531	2985.20	5/23/23	503.28	Static	2481.92	Sierrita
1759	634393	3531506.317	499666.694	2989.54	5/23/23	506.61	Static	2482.93	Sierrita
2123	511895	3531870.787	499663.205	2984.85	5/23/23	504.68	Static	2480.17	Sierrita
2125	514015	3529511.399	497813.090	3253.98	5/22/23	764.00	Static	2489.98	Sierrita
COTONIA	230945	3522255.841	499827.900	2940.49	5/18/23	286.34	Static <sup>2</sup>	2654.15	Sierrita
					7/19/23	290.54	Static <sup>2</sup>	2649.95	Sierrita
CW-3	627483	3523809.985	500047.663	2941.71	5/8/23	334.05	Static	2607.66	Sierrita
CW-7	502546	3527941.010	499686.600	2987.50	5/25/23	497.16	Static	2490.34	Sierrita
					7/18/23	498.84	Static	2488.66	Sierrita
CW-8	543600	3525480.529	499843.273	2987.50	5/25/23	440.76	Static	2546.74	Sierrita
CW-9 <sup>3</sup>	588121	3528540.580	501163.540	2863.00	5/25/23	370.60	Static <sup>2</sup>	2492.40	Sierrita
					7/18/23	373.88	Static <sup>2</sup>	2489.12	Sierrita
CW-10	207982	3523259.064	500975.215	2868.50	5/25/23	253.67	Static <sup>2</sup>	2614.83	Sierrita
					7/18/23	259.91	Static <sup>2</sup>	2608.59	Sierrita
CW-11	608518	3531004.620	502441.590	2778.61	5/25/23	301.68	Static <sup>2</sup>	2476.93	Sierrita
ESP-2	623103	3526924.656	500241.637	2934.60	5/10/23	417.72	Static	2516.88	Sierrita
ESP-3	623104	3527377.239	500234.067	2935.80	5/10/23	431.92	Static	2503.88	Sierrita
ESP-4	623105	3526132.758	499916.830	2958.60	5/10/23	430.52	Static	2528.08	Sierrita
ESP-5	623106	3527082.232	502007.895	2820.00	5/23/23	265.83	Static	2554.17	Sierrita
FFS-1	221662	3524105.489	498321.688	3071.40	5/9/23	536.75	Dynamic	2534.65	BW
FFS-3	221664	3525305.994	498351.209	3083.90	5/9/23	680.20	Dynamic	2403.70	BW
FFS-5	221666	3526763.990	498336.591	3107.73	5/9/23	639.05	Dynamic	2468.68	BW
FFS-6	221667	3527243.483	498327.778	3110.44	5/9/23	619.55	Dynamic	2490.89	BW
FICO C-4	624010	3525383.746	501759.635	2836.19	6/22/23	251.09	Static	2585.10	Sierrita
FICO E-6A	233205	3525179.449	502444.925	2838.44	6/12/23	396.40	Dynamic	2442.04	Sierrita
GV-02-GVDWID	603429	3521654.457	499786.207	2930.47	5/18/23	232.55	Static <sup>2</sup>	2697.92	Sierrita
					7/19/23	236.80	Static <sup>2</sup>	2693.67	Sierrita
GV-SI-GVDWID	208825	3519509.930	497227.175	3042.65	5/18/23	263.50	Static <sup>2</sup>	2779.15	Sierrita
I-12	608523	3528578.621	498110.598	3328.76	5/22/23	833.30	Static	2495.46	Sierrita
IW-1	623129	3521277.779	496905.892	3144.69	5/12/23	467.38	Dynamic	2677.31	BW
IW-2A	216464	3521337.953	497469.228	3112.28	5/12/23	400.20	Dynamic	2712.08	BW
IW-3A	201732	3521723.533	497380.342	3121.45	5/12/23	482.50	Dynamic	2638.95	BW
IW-5A	219131	3522723.000	497442.700	3091.47	5/12/23	397.40	Static	2694.07	BW
IW-6A	545565	3523708.756	497381.226	3132.26	5/12/23	435.97	Static	2696.29	BW
IW-11	508235	3523428.954	497371.414	3127.20	5/12/23	493.70	Dynamic	2633.50	BW
IW-13	545556	3524166.673	497363.820	3143.35	5/12/23	406.75	Static	2736.60	BW
IW-14	545557	3524373.122	497367.126	3146.42	5/12/23	397.50	Static	2748.92	BW
IW-15	545558	3524567.261	497372.873	3152.02	5/12/23	403.65	Static	2748.37	BW
IW-16	545559	3524782.868	497370.651	3162.85	5/12/23	448.70	Static	2714.15	BW
IW-17	545560	3525002.869	497373.717	3160.76	5/12/23	416.40	Static	2744.36	BW
IW-18	545561	3525169.771	497374.056	3171.15	5/12/23	461.85	Static	2709.30	BW
IW-20	545563	3525568.770	497364.739	3164.21	5/12/23	447.20	Static	2717.01	BW
IW-21	545564	3525773.266	497374.585	3171.37	5/12/23	467.25	Dynamic	2704.12	BW
IW-22	200554	3523273.592	497369.590	3128.25	5/12/23	435.75	Static	2692.50	BW
IW-23	200555	3522970.788	497369.237	3128.53	5/12/23	548.90	Dynamic	2579.63	BW
IW-24	200556	3522633.594	497371.670	3113.29	5/12/23	383.25	Dynamic	2730.04	BW
IW-25	219596	3521718.000	497640.600	3091.66	5/12/23	506.10	Dynamic	2585.56	BW
IW-26	219143	3522307.296	497652.833	3100.03	5/12/23	485.10	Dynamic	2614.93	BW
IW-27	219136	3522650.014	497600.566	3120.33	5/12/23	637.40	Dynamic	2482.93	BW
IW-28	219137	3523174.867	497652.833	3110.71	5/12/23	492.60	Dynamic	2618.11	BW
IW-29	222865	3523070.624	498081.498	3088.00	5/12/23	507.20	Dynamic	2580.80	BW
M-1	85228	3531163.257	500054.877	2959.57	5/22/23	477.20	Static	2482.37	Sierrita
M-5	87387	3530799.031	499640.514	2994.14	5/23/23	515.08	Static	2479.06	Sierrita

**TABLE 4**  
**Compilation of Groundwater Elevation Data**

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
M-10	501653	3530143.001	499658.969	3002.70	5/2/23	523.38	Static	2479.32	Sierrita
M-11	501654	3530757.848	500267.433	2938.82	5/22/23	456.47	Static	2482.35	Sierrita
M-20	906595	3528491.771	499082.070	3054.00	5/15/23	567.60	Static	2486.40	Sierrita
MC-1	221660	3525205.004	498909.743	3038.62	5/12/23	516.50	Dynamic	2522.12	BW
MC-3	221661	3527484.047	498844.389	3062.33	5/9/23	570.20	Dynamic	2492.13	BW
MC-4	220842	3527783.668	498585.304	3096.04	5/9/23	602.60	Static	2493.44	BW
<b>MC-5</b>	<b>238240</b>	<b>3527289.917</b>	<b>498506.557</b>	<b>3096.19</b>	<b>5/15/23</b>	<b>594.95</b>	<b>Static</b>	<b>2501.24</b>	<b>CCA</b>
<b>MC-6</b>	<b>238394</b>	<b>3526418.224</b>	<b>498644.530</b>	<b>3075.98</b>	<b>6/12/23</b>	<b>559.78</b>	<b>Static</b>	<b>2516.20</b>	<b>CCA</b>
MH-1	803629	3525872.911	497372.392	3179.27	5/23/23	479.28	Static	2699.99	Sierrita
MH-5	803632	3523725.339	497477.352	3123.47	5/23/23	440.88	Static	2682.59	Sierrita
MH-6	803633	3522770.451	497436.646	3133.97	5/23/23	394.20	Static	2739.77	Sierrita
MH-7	803634	3522016.471	497502.475	3111.23	5/23/23	409.56	Static	2701.67	Sierrita
MH-9	803635	3521252.607	496438.181	3162.57	5/23/23	398.15	Static	2764.42	Sierrita
MH-10	803636	3521236.861	495717.770	3187.84	5/15/23	377.03	Static	2810.81	Sierrita
MH-11	803637	3524463.648	498749.381	3041.76	5/15/23	459.00	Static	2582.76	Sierrita
MH-13A	904071	3523610.510	498816.960	3026.23	4/13/23	402.06	Static	2624.17	Sierrita
MH-13B	904072	3523605.100	498823.050	3025.63	4/12/23	407.55	Static	2618.08	Sierrita
MH-13C	904073	3523610.400	498790.260	3028.46	4/13/23	416.10	Static	2612.36	Sierrita
MH-14	528098	3525269.340	497517.626	3153.46	4/3/23	464.21	Static	2689.25	Sierrita
MH-15E	528094	3523274.327	497584.800	3111.37	5/23/23	440.64	Static	2670.73	Sierrita
MH-16W	528099	3521870.818	497516.074	3100.24	4/4/23	396.94	Static	2703.30	Sierrita
MH-25B	208429	3526515.244	498870.343	3058.22	4/12/23	536.07	Static	2522.15	Sierrita
MH-25C	208426	3526491.132	498874.666	3057.24	4/12/23	535.53	Static	2521.71	Sierrita
MH-26C	208428	3527806.770	498865.240	3069.11	4/11/23	571.29	Static	2497.82	Sierrita
MH-28	903648	3524609.980	497471.427	3142.18	4/5/23	421.04	Static	2721.14	Sierrita
MH-29	903649	3522805.518	497604.326	3123.15	4/5/23	409.06	Static	2714.09	Sierrita
MH-30	903884	3525926.812	496682.307	3232.45	4/11/23	430.06	Static	2802.39	Sierrita
MO-2007-1A	907342	3529331.233	500016.988	2964.66	4/18/23	484.84	Static	2479.82	Sierrita
MO-2007-1B	907210	3529328.835	500021.698	2964.84	4/18/23	484.72	Static	2480.12	Sierrita
MO-2007-1C	907209	3529328.777	500013.371	2968.58	4/18/23	484.60	Static	2483.98	Sierrita
MO-2007-2	906765	3527621.127	497911.605	3150.87	4/11/23	653.31	Static	2497.56	Sierrita
MO-2007-3B	906816	3528508.811	500522.411	2909.12	4/19/23	420.20	Static	2488.92	Sierrita
					7/12/23	424.29	Static	2484.83	Sierrita
MO-2007-3C	906817	3528508.795	500529.712	2908.87	4/19/23	420.13	Static	2488.74	Sierrita
					7/12/23	424.02	Static	2484.85	Sierrita
MO-2007-4A	907213	3525634.956	500383.682	2923.63	5/1/23	383.42	Static	2540.21	Sierrita
					7/20/23	387.50	Static	2536.13	Sierrita
MO-2007-4B	907212	3525613.952	500380.947	2923.57	5/1/23	383.67	Static	2539.90	Sierrita
					7/20/23	389.40	Static	2534.17	Sierrita
MO-2007-4C	907211	3525624.484	500382.217	2923.66	5/1/23	385.28	Static	2538.38	Sierrita
					7/20/23	391.32	Static	2532.34	Sierrita
MO-2007-5B	907456	3523743.376	500013.850	2944.35	4/13/23	331.93	Static	2612.42	Sierrita
MO-2007-5C	907457	3523736.459	500014.152	2944.91	4/17/23	339.56	Static	2605.35	Sierrita
MO-2007-6A	907607	3521842.050	498367.161	3043.37	4/17/23	344.10	Static	2699.27	Sierrita
					7/13/23	347.24	Static	2696.13	Sierrita
MO-2007-6B	907606	3521849.495	498367.887	3043.05	4/17/23	369.42	Static	2673.63	Sierrita
					7/13/23	373.32	Static	2669.73	Sierrita
MO-2009-1	910458	3523370.784	500531.926	2890.78	5/2/23	283.15	Static	2607.63	Sierrita
					7/19/23	287.57	Static	2603.21	Sierrita
MW-2016-5A	919635	3529727.196	500430.091	2927.07	5/3/23	446.25	Static	2480.82	Sierrita
MW-2016-5B	919472	3529722.718	500444.103	2925.46	5/3/23	444.36	Static	2481.10	Sierrita
MW-2016-6	919676	3529884.009	500056.237	2969.20	5/3/23	489.31	Static	2479.89	Sierrita
NP-2	605898	3528517.382	500582.457	2904.75	5/8/23	416.57	Static	2488.18	Sierrita
					7/24/23	419.38	Static	2485.37	Sierrita
PS-1	220861	3529110.260	499164.170	3040.67	5/9/23	598.80	Dynamic	2441.87	BW
PS-2	220862	3529357.158	499319.310	3027.36	5/9/23	568.80	Dynamic	2458.56	BW
PS-3	220863	3529350.236	499571.460	3006.29	5/9/23	559.70	Dynamic	2446.59	BW

**TABLE 4**  
**Compilation of Groundwater Elevation Data**

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
PS-4	220864	3528837.600	499153.274	3045.74	5/9/23	632.50	Dynamic	2413.24	BW
PZ-7	561870	3526357.485	492533.171	3549.17	4/18/23	140.14	Static	3409.03	Sierrita
PZ-8	561866	3524196.243	492972.681	3480.36	4/12/23	227.81	Static	3252.55	Sierrita
S-1	623111	3519084.973	499736.647	2920	5/23/23	209.00	Dynamic	2711.00	Sierrita

Notes:

**BOLDED WELLS added to monitoring schedule in Q2 2023**

<sup>1</sup> Universal Transverse Mercator, Zone 12 North American Datum 1983 (NAD83)

<sup>2</sup> Well was not pumping, however there may be residual drawdown due to pumping history at the well

<sup>3</sup> Measuring point elevation updated based on Google Earth 2016 aerial photo and elevation data

ADWR = Arizona Department of Water Resources

CCA = Clear Creek Associates

BW = BasinWells

ft amsl = feet above mean sea level

ft bmp = feet below measuring point

GVDWID = Green Valley Domestic Water Improvement District

m = meters

NR = no record

Sierrita = Freeport-McMoRan Sierrita, Inc.

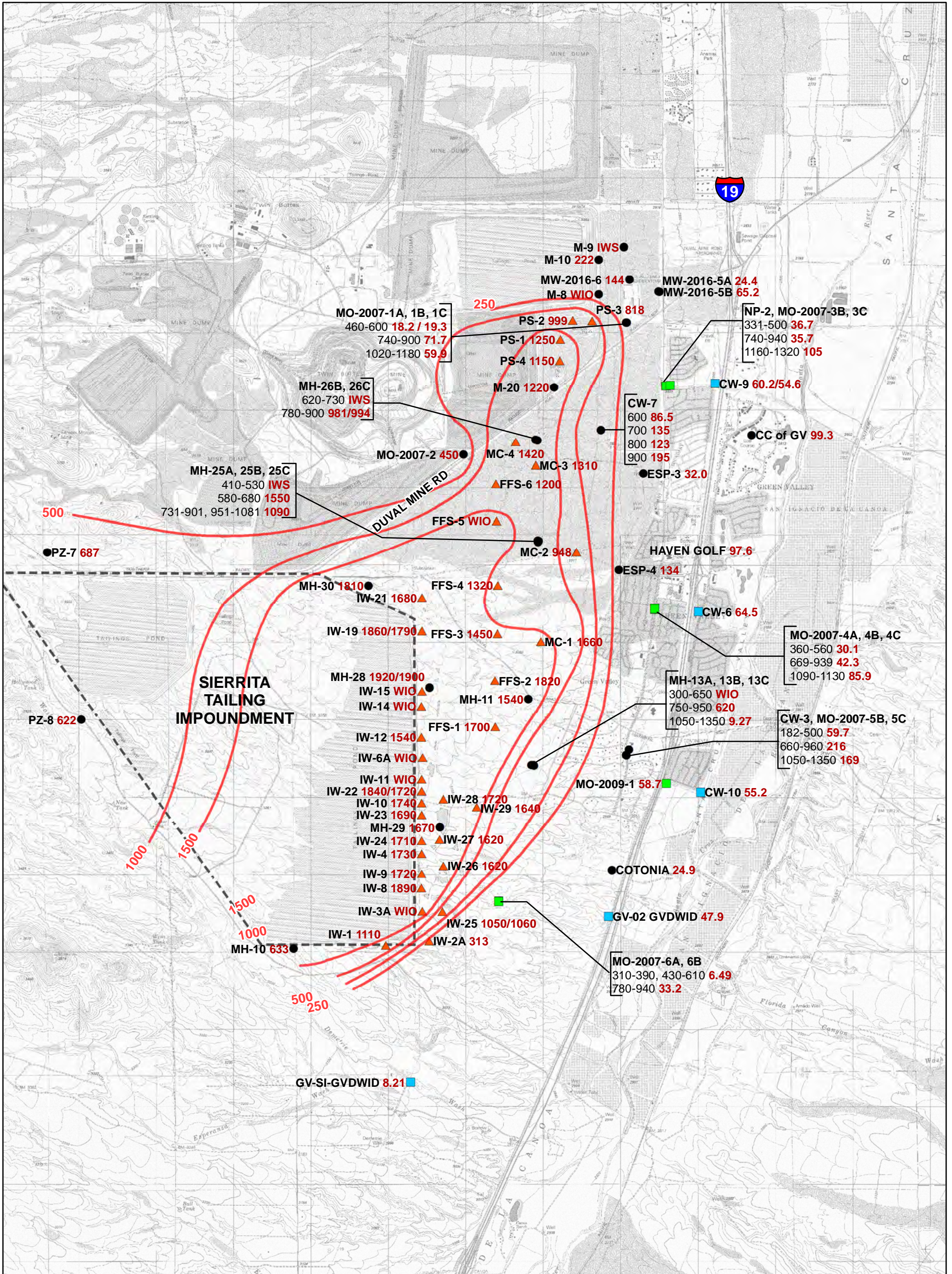


## FIGURES



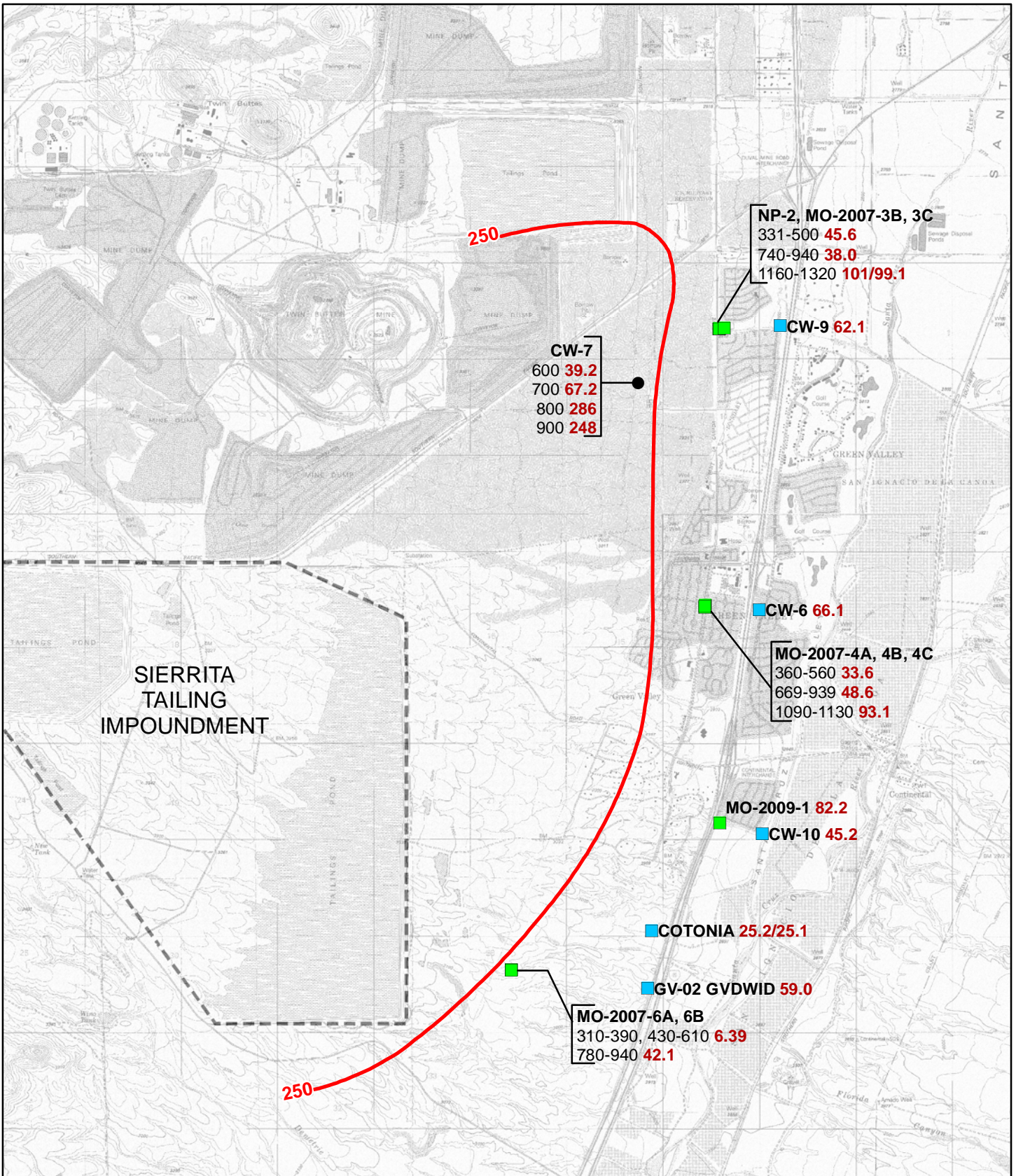






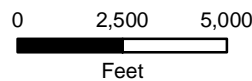
<b>Legend</b> Sulfate Concentration Contour (mg/L) <b>IW-9</b> Well ID <b>1720</b> Sulfate Concentration (mg/L, Duplicate results separated by "/") <b>WIO</b> Well Inoperable <b>IWS</b> Insufficient Water for Sampling - Water near or below pump  [Co-Located Wells (except CW-7*) Screened Interval (ft bls): <b>Sulfate Concentration (mg/L)</b> *Depth Specific Sample Depth at CW-7	<b>Well Symbols</b> Extraction Well Monitor Well Sentinel Well Drinking Water Supply Well  <b>Notes</b> Projection: UTM Zone 12N NAD83 mg/L = milligrams per liter ft bls = feet below land surface	0 2,000 4,000 8,000 Feet	Date 11/8/2023	File ID 055039-343
<b>FIGURE 2</b> Sulfate Concentrations in Groundwater Second Quarter 2022				





**Legend**  
 — 250 mg/L Sulfate Concentration Contour  
 ● CW-9 Well ID  
 62.1 Sulfate Concentration (mg/L), Duplicate results separated by "/"

**Well Symbols**  
 ● Monitor Well  
 ■ Sentinel Well  
 ■ Drinking Water Supply Well



File ID  
055039-366  
Date  
8/31/2023

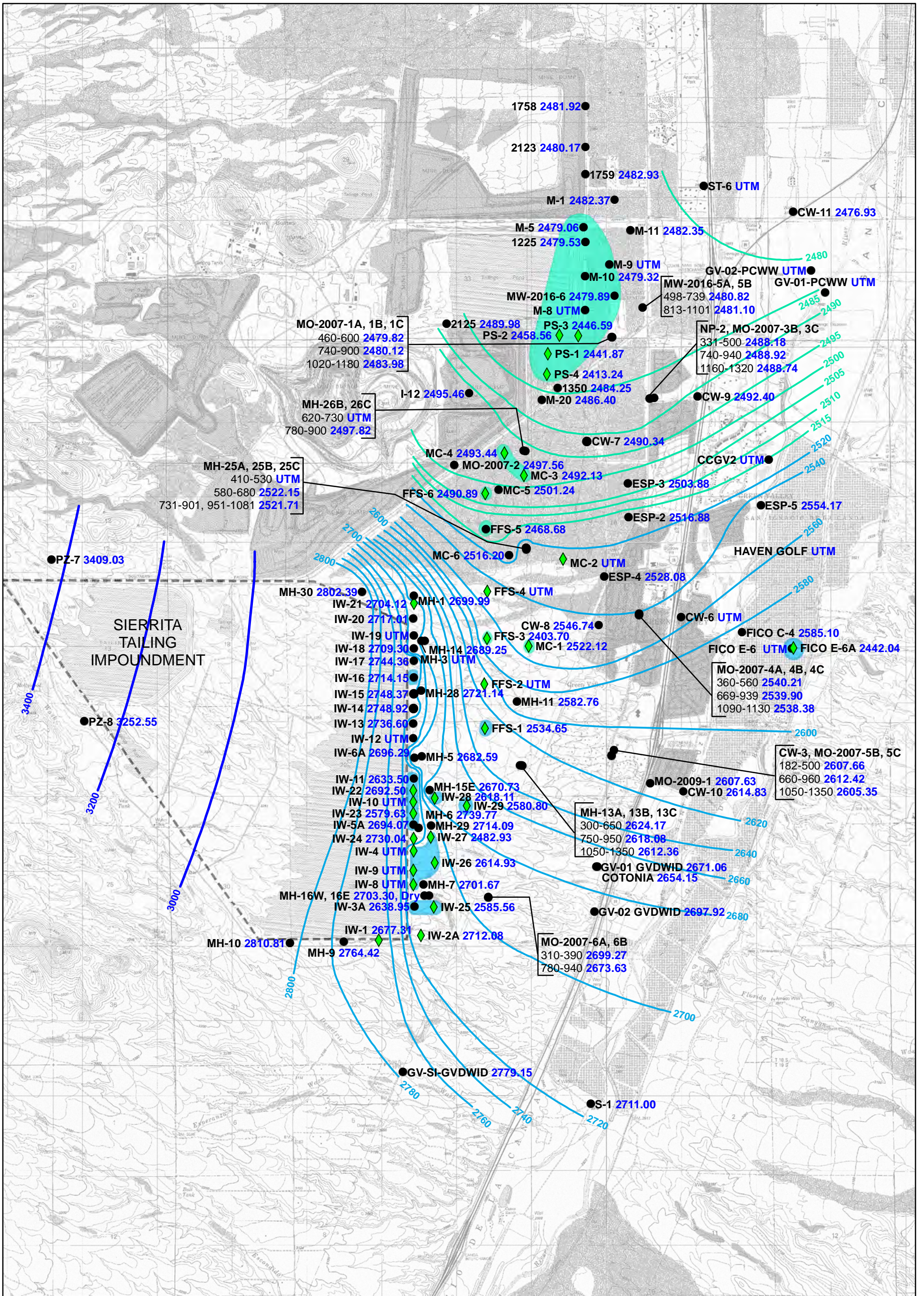
Co-Located Wells  
 Screened Interval (feet below land surface):  
**Sulfate Concentration (mg/L)**

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



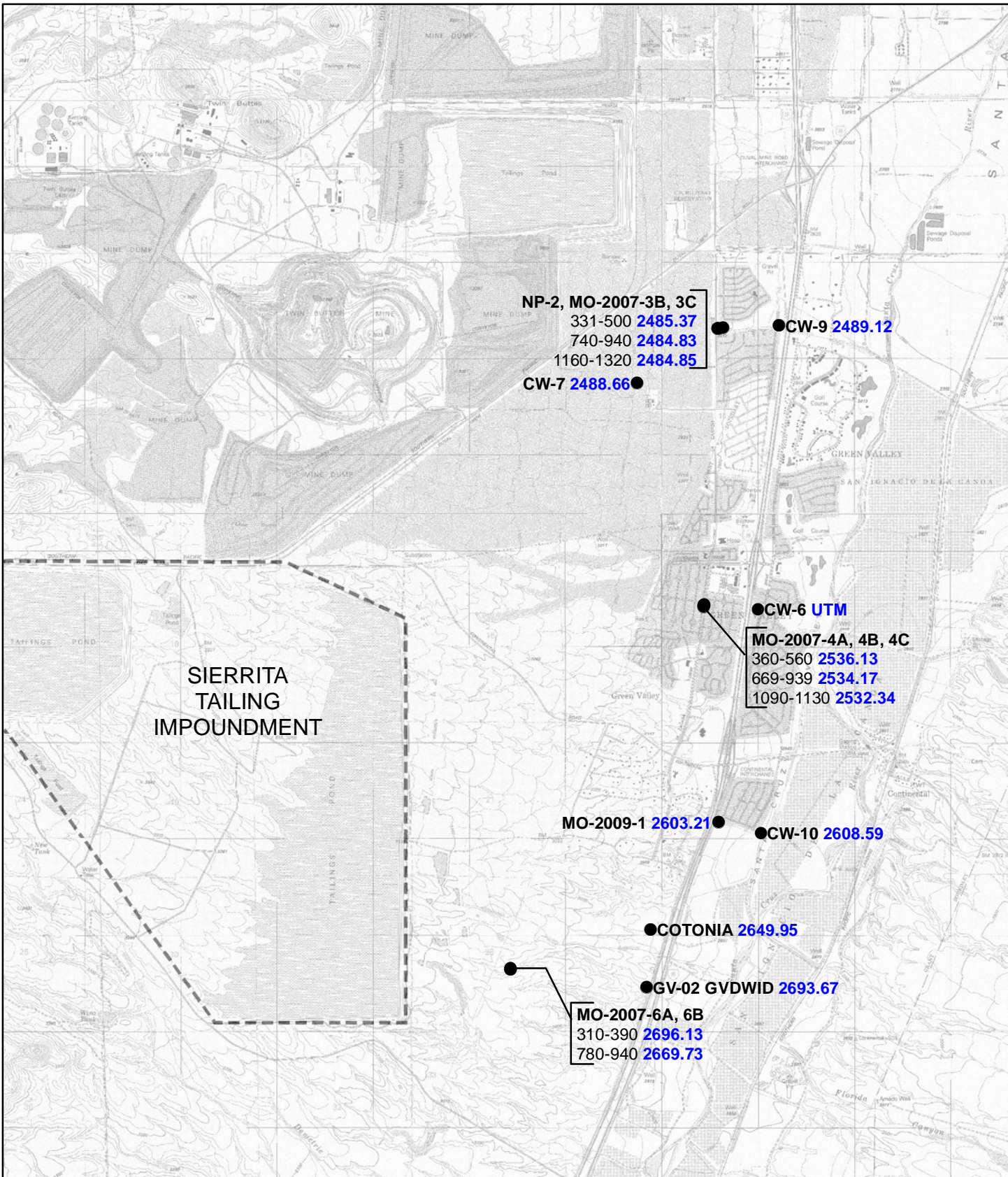
**FIGURE 3**  
 Sulfate Concentrations  
 in Groundwater  
 Third Quarter 2023





<b>Legend</b> 5 ft Groundwater Elevation Contour (ft amsl) 20 ft Groundwater Elevation Contour (ft amsl) 200 ft Groundwater Elevation Contour (ft amsl) Groundwater Depression		<b>Well Symbols</b> Wells with Static Water Levels Wells with Dynamic Water Levels		0 2,000 4,000 Feet		 File ID 055039-363	
<b>CW-3</b> Well ID <b>2607.66</b> Groundwater Elevation (ft amsl) <b>UTM</b> Unable to Measure; designation includes physical limitations, not well desaturation <b>Dry</b> Well is desaturated Co-Located Wells Screened Interval (ft bls): <b>Groundwater Elevation (ft amsl)</b>		<b>Notes</b> Projection: UTM Zone 12N NAD83 ft amsl = feet above mean sea level ft bls = feet below land surface				Date 9/28/2023	
						<b>FIGURE 4</b> Groundwater Elevations Second Quarter 2023	





**Legend**

**CW-9** Well ID  
**2489.12** Groundwater Elevation (ft amsl)

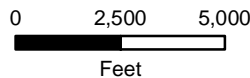
**Co-Located Wells**  
 Screened Interval (feet below land surface):  
**Groundwater Elevation (ft amsl)**

**Well Symbols**

● Wells with Static Water Levels

**Notes**

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



File ID  
 055039-367  
 Date  
 8/30/2023



**FIGURE 5**  
 Groundwater Elevations  
 Third Quarter 2023

## **APPENDIX A**

### **HISTORICAL DATA**

## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
1225	634394	3530605	499666	2997.93	6/16/15		492.97	Static	2504.96	Sierrita
1225	634394	3530605	499666	2997.93	11/17/15		496.96	Static	2500.97	Sierrita
1225	634394	3530605	499666	2997.93	6/15/16		497.61	Static	2500.32	Sierrita
1225	634394	3530605	499666	2997.93	12/9/16		499.36	Static	2498.57	Sierrita
1225	634394	3530605	499666	2997.93	5/17/17		502.25	Static	2495.68	Sierrita
1225	634394	3530605	499666	2997.93	11/13/17		510.35	Static	2487.58	Sierrita
1225	634394	3530605	499666	2997.93	6/8/18		512.32	Static	2485.61	Sierrita
1225	634394	3530605	499666	2997.93	11/14/18		516.31	Static	2481.62	Sierrita
1225	634394	3530605	499666	2997.93	5/2/19		510.76	Static	2487.17	Sierrita
1225	634394	3530605	499666	2997.93	12/17/19		519.02	Static	2478.91	Sierrita
1225	634394	3530605	499666	2997.93	6/10/20		517.99	Static	2479.94	Sierrita
1225	634394	3530605	499666	2997.93	12/1/20		524.48	Static	2473.45	Sierrita
1225	634394	3530605	499666	2997.93	6/1/21		522.25	Static	2475.68	Sierrita
1225	634394	3530605	499666	2997.93	12/8/21		521.29	Static	2476.64	Sierrita
1225	634394	3530605	499666	2997.93	6/7/22		521.37	Static	2476.56	Sierrita
1225	634394	3530605	499666	2997.93	12/5/22		520.70	Static	2477.23	Sierrita
1350	NR	3528649	499296	3033.25	7/12/07		474.29		2558.96	Sierrita
1350	NR	3528649	499296	3033.25	11/8/07		477.30		2555.95	Sierrita
1350	NR	3528649	499296	3033.25	1/9/08		477.00		2556.25	Sierrita
1350	NR	3528649	499296	3033.25	4/14/08		475.50		2557.75	Sierrita
1350	NR	3528649	499296	3033.25	8/7/08		477.88		2555.37	Sierrita
1350	NR	3528649	499296	3033.25	11/5/08		479.21		2554.04	Sierrita
1350	NR	3528649	499296	3033.25	1/19/09		477.33		2555.92	Sierrita
1350	NR	3528649	499296	3033.25	6/29/09		479.57		2553.68	Sierrita
1350	NR	3528649	499296	3033.25	5/28/10		478.78		2554.47	Sierrita
1350	NR	3528649	499296	3033.25	5/9/11		480.42		2552.83	Sierrita
1350	NR	3528649	499296	3033.25	6/29/12		479.57		2553.68	Sierrita
1350	NR	3528649	499296	3033.25	5/23/13		481.16		2552.09	Sierrita
1350	NR	3528649	499296	3033.25	5/28/14		494.95		2538.30	Sierrita
1350	NR	3528649	499296	3033.25	6/16/15		511.79	Static	2521.46	Sierrita
1350	NR	3528649	499296	3033.25	11/17/15		517.00	Static	2516.25	Sierrita
1350	NR	3528649	499296	3033.25	6/15/16		520.26	Static	2512.99	Sierrita
1350	NR	3528649	499296	3033.25	12/9/16		522.40	Static	2510.85	Sierrita
1350	NR	3528649	499296	3033.25	5/17/17		527.00	Static	2506.25	Sierrita
1350	NR	3528649	499296	3033.25	11/13/17		534.80	Static	2498.45	Sierrita
1350	NR	3528649	499296	3033.25	6/8/18		537.10	Static	2496.15	Sierrita
1350	NR	3528649	499296	3033.25	11/14/18		540.24	Static	2493.01	Sierrita
1350	NR	3528649	499296	3033.25	5/2/19		537.89	Static	2495.36	Sierrita
1350	NR	3528649	499296	3033.25	12/17/19		544.00	Static	2489.25	Sierrita
1350	NR	3528649	499296	3033.25	6/10/20		543.50	Static	2489.75	Sierrita
1350	NR	3528649	499296	3033.25	12/1/20		546.83	Static	2486.42	Sierrita
1350	NR	3528649	499296	3033.25	6/1/21		547.02	Static	2486.23	Sierrita
1350	NR	3528649	499296	3033.25	12/8/21		548.66	Static	2484.59	Sierrita
1350	NR	3528649	499296	3033.25	6/7/22		548.77	Static	2484.48	Sierrita
1350	NR	3528649	499296	3033.25	12/5/22		550.00	Static	2483.25	Sierrita
1758	634392	3532417	499667	2985.20	4/10/19		496.34	Static	2488.86	Sierrita
1758	634392	3532417	499667	2985.20	12/19/19		507.26	Static	2477.94	Sierrita
1758	634392	3532417	499667	2985.20	6/10/20		503.04	Static	2482.16	Sierrita
1758	634392	3532417	499667	2985.20	11/16/20		514.30	Static	2470.90	Sierrita
1758	634392	3532417	499667	2985.20	6/1/21		507.67	Static	2477.53	Sierrita
1758	634392	3532417	499667	2985.20	12/8/21		508.48	Static	2476.72	Sierrita
1758	634392	3532417	499667	2985.20	6/3/22		506.04	Static	2479.16	Sierrita
1758	634392	3532417	499667	2985.20	12/5/22		508.00	Static	2477.20	Sierrita
1759	634393	3531506	499667	2989.54	6/16/15		484.12	Static	2505.42	Sierrita
1759	634393	3531506	499667	2989.54	11/17/15		487.52	Static	2502.02	Sierrita
1759	634393	3531506	499667	2989.54	6/15/16		488.00	Static	2501.54	Sierrita
1759	634393	3531506	499667	2989.54	12/9/16		490.26	Static	2499.28	Sierrita
1759	634393	3531506	499667	2989.54	5/17/17		492.00	Static	2497.54	Sierrita
1759	634393	3531506	499667	2989.54	11/9/17		506.50	Static	2483.04	Sierrita
1759	634393	3531506	499667	2989.54	6/8/18		502.11	Static	2487.43	Sierrita
1759	634393	3531506	499667	2989.54	11/14/18		506.00	Static	2483.54	Sierrita
1759	634393	3531506	499667	2989.54	4/10/19		498.86	Static	2490.68	Sierrita
1759	634393	3531506	499667	2989.54	12/17/19		508.05	Static	2481.49	Sierrita
1759	634393	3531506	499667	2989.54	6/10/20		507.40	Static	2482.14	Sierrita
1759	634393	3531506	499667	2989.54	11/16/20		515.40	Static	2474.14	Sierrita
1759	634393	3531506	499667	2989.54	6/1/21		511.56	Static	2477.98	Sierrita
1759	634393	3531506	499667	2989.54	12/8/21		509.62	Static	2479.92	Sierrita
1759	634393	3531506	499667	2989.54	6/3/22		509.65	Static	2479.89	Sierrita



## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
1759	634393	3531506	499667	2989.54	12/5/22		508.91	Static	2480.63	Sierrita
2123	511895	3531871	499663	2984.85	4/10/19		497.00	Static	2487.85	Sierrita
2123	511895	3531871	499663	2984.85	12/19/19		506.00	Static	2478.85	Sierrita
2123	511895	3531871	499663	2984.85	6/10/20		505.33	Static	2479.52	Sierrita
2123	511895	3531871	499663	2984.85	11/16/20		514.00	Static	2470.85	Sierrita
2123	511895	3531871	499663	2984.85	6/1/21		509.76	Static	2475.09	Sierrita
2123	511895	3531871	499663	2984.85	12/8/21		507.81	Static	2477.04	Sierrita
2123	511895	3531871	499663	2984.85	6/3/22		507.84	Static	2477.01	Sierrita
2123	511895	3531871	499663	2984.85	12/5/22		507.00	Static	2477.85	Sierrita
2125	514015	3529511	497813	3253.98	6/16/15		736.98	Static	2517.00	Sierrita
2125	514015	3529511	497813	3253.98	11/17/15		741.29	Static	2512.69	Sierrita
2125	514015	3529511	497813	3253.98	11/22/16		749.61	Static	2504.37	Sierrita
2125	514015	3529511	497813	3253.98	6/20/17		752.58	Static	2501.40	Sierrita
2125	514015	3529511	497813	3253.98	12/13/17		759.66	Static	2494.32	Sierrita
2125	514015	3529511	497813	3253.98	6/7/18		759.90	Static	2494.08	Sierrita
2125	514015	3529511	497813	3253.98	11/14/18		760.80	Static	2493.18	Sierrita
2125	514015	3529511	497813	3253.98	5/7/19		757.90	Static	2496.08	Sierrita
2125	514015	3529511	497813	3253.98	12/18/19		764.00	Static	2489.98	Sierrita
2125	514015	3529511	497813	3253.98	6/9/20		768.69	Static	2485.29	Sierrita
2125	514015	3529511	497813	3253.98	11/11/20		721.35	Static	2532.63	Sierrita
2125	514015	3529511	497813	3253.98	6/1/21		772.69	Static	2481.29	Sierrita
2125	514015	3529511	497813	3253.98	12/7/21		774	Static	2479.98	Sierrita
2125	514015	3529511	497813	3253.98	6/2/22		756.10	Static	2497.88	Sierrita
2125	514015	3529511	497813	3253.98	10/18/22		766.30	Static	2487.68	Sierrita
CC of GV	501760	3527876	501635	2823.45	1/15/07		253.15		2570.30	Sierrita
CC of GV	501760	3527876	501635	2823.45	4/16/07		254.20		2569.25	Sierrita
CC of GV	501760	3527876	501635	2823.45	7/9/07		259.79		2563.66	Sierrita
CC of GV	501760	3527876	501635	2823.45	1/10/08		257.26		2566.19	Sierrita
CC of GV	501760	3527876	501635	2823.45	7/7/08		261.09		2562.36	Sierrita
CC of GV	501760	3527876	501635	2823.45	11/14/08		263.13		2560.32	Sierrita
CC of GV	501760	3527876	501635	2823.45	2/4/09		258.48		2564.97	Sierrita
CC of GV	501760	3527876	501635	2823.45	4/21/09		258.79		2564.66	Sierrita
CC of GV	501760	3527876	501635	2823.45	4/22/10		259.51		2563.94	Sierrita
CC of GV	501760	3527876	501635	2823.45	5/14/13		258.20		2565.25	Sierrita
CCGV2	627484	3527695	502117	2805.88	6/13/16		322.45	Dynamic	2483.43	Sierrita
CCGV2	627484	3527695	502117	2805.88	12/8/16		325.63	Static	2480.25	Sierrita
CCGV2	627484	3527695	502117	2805.88	5/11/17		320.50	Dynamic	2485.38	Sierrita
CCGV2	627484	3527695	502117	2805.88	11/15/17		260.00		2545.88	Sierrita
CCGV2	627484	3527695	502117	2805.88	4/24/19		251.90	Static	2553.98	Sierrita
CCGV2	627484	3527695	502117	2805.88	12/17/19		260.61	Static	2545.27	Sierrita
CCGV2	627484	3527695	502117	2805.88	5/12/20		264.65	Static	2541.23	Sierrita
CCGV2	627484	3527695	502117	2805.88	12/15/20		267.80	Static	2538.08	Sierrita
CCGV2	627484	3527695	502117	2805.88	6/3/21		286.20	Dynamic	2519.68	Sierrita
CCGV2	627484	3527695	502117	2805.88	12/8/21		268.09	Static	2537.79	Sierrita
CCGV2	627484	3527695	502117	2805.88	12/15/22		283.40	Static	2522.48	Sierrita
COTONIA	230945	3522256	499828	2940.49	11/11/20		335.92	Dynamic	2604.57	Sierrita
COTONIA	230945	3522256	499828	2940.49	2/25/21		273.30	Static	2667.19	Sierrita
COTONIA	230945	3522256	499828	2940.49	4/8/21		280.27	Static	2660.22	Sierrita
COTONIA	230945	3522256	499828	2940.49	8/19/21		338.74	Static	2601.75	Sierrita
COTONIA	230945	3522256	499828	2940.49	11/5/21		279.54	Static	2660.95	Sierrita
COTONIA	230945	3522256	499828	2940.49	2/17/22		277.50	Static	2662.99	Sierrita
COTONIA	230945	3522256	499828	2940.49	5/17/22		286.20	Static	2654.29	Sierrita
COTONIA	230945	3522256	499828	2940.49	9/15/22		283.18	Static	2657.31	Sierrita
COTONIA	230945	3522256	499828	2940.49	11/17/22		282.66	Static	2657.83	Sierrita
COTONIA	230945	3522256	499828	2940.49	1/30/23		292.20	Dynamic	2648.29	Sierrita
CW-3	627483	3523810	500048	2941.71	6/6/07		265.35		2676.36	Sierrita
CW-3	627483	3523810	500048	2941.71	8/10/07		267.40		2674.31	Sierrita
CW-3	627483	3523810	500048	2941.71	11/6/07		269.98		2671.73	Sierrita
CW-3	627483	3523810	500048	2941.71	1/11/08		264.40		2677.31	Sierrita
CW-3	627483	3523810	500048	2941.71	4/17/08		266.46		2675.25	Sierrita
CW-3	627483	3523810	500048	2941.71	7/11/08		270.95		2670.76	Sierrita
CW-3	627483	3523810	500048	2941.71	10/6/08		271.78		2669.93	Sierrita
CW-3	627483	3523810	500048	2941.71	2/9/09		267.51		2674.20	Sierrita
CW-3	627483	3523810	500048	2941.71	4/24/09		269.06		2672.65	Sierrita
CW-3	627483	3523810	500048	2941.71	12/31/09		272.10		2669.61	Sierrita
CW-3	627483	3523810	500048	2941.71	4/22/10		271.91		2669.80	Sierrita
CW-3	627483	3523810	500048	2941.71	10/25/10		273.54		2668.17	Sierrita
CW-3	627483	3523810	500048	2941.71	5/2/11		272.50		2669.21	Sierrita

## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bis)	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
CW-3	627483	3523810	500048	2941.71	12/5/11		274.20		2667.51	Sierrita
CW-3	627483	3523810	500048	2941.71	6/26/12		259.51		2682.20	Sierrita
CW-3	627483	3523810	500048	2941.71	12/13/12		278.81		2662.90	Sierrita
CW-3	627483	3523810	500048	2941.71	6/13/13		283.48		2658.23	Sierrita
CW-3	627483	3523810	500048	2941.71	11/12/13		286.51		2655.20	Sierrita
CW-3	627483	3523810	500048	2941.71	3/12/14		286.62		2655.09	Sierrita
CW-3	627483	3523810	500048	2941.71	4/29/14		289.87		2651.84	Sierrita
CW-3	627483	3523810	500048	2941.71	5/6/14		289.87		2651.84	Sierrita
CW-3	627483	3523810	500048	2941.71	6/23/14		289.83		2651.88	Sierrita
CW-3	627483	3523810	500048	2941.71	7/28/14		296.29		2645.42	Sierrita
CW-3	627483	3523810	500048	2941.71	8/7/14		297.18		2644.53	Sierrita
CW-3	627483	3523810	500048	2941.71	9/8/14		298.21	Static	2643.50	Sierrita
CW-3	627483	3523810	500048	2941.71	10/15/14		299.49		2642.22	Sierrita
CW-3	627483	3523810	500048	2941.71	11/26/14		300.17		2641.54	Sierrita
CW-3	627483	3523810	500048	2941.71	12/17/14		300.75	Static	2640.96	Sierrita
CW-3	627483	3523810	500048	2941.71	1/29/15		301.17	Static	2640.54	Sierrita
CW-3	627483	3523810	500048	2941.71	2/27/15		301.40	Static	2640.31	Sierrita
CW-3	627483	3523810	500048	2941.71	3/18/15		301.16	Static	2640.55	Sierrita
CW-3	627483	3523810	500048	2941.71	4/28/15		304.04	Static	2637.67	Sierrita
CW-3	627483	3523810	500048	2941.71	5/11/15		303.79	Static	2637.92	Sierrita
CW-3	627483	3523810	500048	2941.71	6/2/15		304.11	Static	2637.60	Sierrita
CW-3	627483	3523810	500048	2941.71	7/24/15		307.31	Static	2634.40	Sierrita
CW-3	627483	3523810	500048	2941.71	8/25/15		308.58	Static	2633.13	Sierrita
CW-3	627483	3523810	500048	2941.71	10/28/15		309.02	Static	2632.69	Sierrita
CW-3	627483	3523810	500048	2941.71	11/5/15		308.88	Static	2632.83	Sierrita
CW-3	627483	3523810	500048	2941.71	1/7/16		308.56	Static	2633.15	Sierrita
CW-3	627483	3523810	500048	2941.71	2/12/16		308.40	Static	2633.31	Sierrita
CW-3	627483	3523810	500048	2941.71	3/8/16		308.34	Static	2633.37	Sierrita
CW-3	627483	3523810	500048	2941.71	6/9/16		311.20	Static	2630.51	Sierrita
CW-3	627483	3523810	500048	2941.71	12/6/16		314.38	Static	2627.33	Sierrita
CW-3	627483	3523810	500048	2941.71	5/23/17		317.80	Static	2623.91	Sierrita
CW-3	627483	3523810	500048	2941.71	11/30/17		318.19	Static	2623.52	Sierrita
CW-3	627483	3523810	500048	2941.71	6/26/18		320.82	Static	2620.89	Sierrita
CW-3	627483	3523810	500048	2941.71	12/5/18		318.59	Static	2623.12	Sierrita
CW-3	627483	3523810	500048	2941.71	5/7/19		317.65	Static	2624.06	Sierrita
CW-3	627483	3523810	500048	2941.71	11/6/19		321.25	Static	2620.46	Sierrita
CW-3	627483	3523810	500048	2941.71	5/6/20		324.00	Static	2617.71	Sierrita
CW-3	627483	3523810	500048	2941.71	11/18/20		326.48	Static	2615.23	Sierrita
CW-3	627483	3523810	500048	2941.71	6/29/21		329.76	Static	2611.95	Sierrita
CW-3	627483	3523810	500048	2941.71	11/4/21		330.48	Static	2611.23	Sierrita
CW-3	627483	3523810	500048	2941.71	5/4/22		331.64	Static	2610.07	Sierrita
CW-3	627483	3523810	500048	2941.71	11/9/22		334.09	Static	2607.62	Sierrita
CW-6	627485	3525589	500945	2867.00	12/4/06		247.50		2619.50	Sierrita
CW-6	627485	3525589	500945	2867.00	1/3/07		245.00		2622.00	Sierrita
CW-6	627485	3525589	500945	2867.00	5/24/07		252.25		2614.75	Sierrita
CW-6	627485	3525589	500945	2867.00	7/10/07		252.15		2614.85	Sierrita
CW-6	627485	3525589	500945	2867.00	10/2/07		253.05		2613.95	Sierrita
CW-6	627485	3525589	500945	2867.00	1/8/08		245.81		2621.19	Sierrita
CW-6	627485	3525589	500945	2867.00	4/17/08		254.20		2612.80	Sierrita
CW-6	627485	3525589	500945	2867.00	7/8/08		253.80		2613.20	Sierrita
CW-6	627485	3525589	500945	2867.00	10/7/08		256.30		2610.70	Sierrita
CW-6	627485	3525589	500945	2867.00	2/6/09		249.27		2617.73	Sierrita
CW-6	627485	3525589	500945	2867.00	4/22/09		253.15		2613.85	Sierrita
CW-6	627485	3525589	500945	2867.00	9/22/09		256.80		2610.20	Sierrita
CW-6	627485	3525589	500945	2867.00	11/5/09		258.10		2608.90	Sierrita
CW-6	627485	3525589	500945	2867.00	2/10/10		250.76		2616.24	Sierrita
CW-6	627485	3525589	500945	2867.00	5/14/10		252.78		2614.22	Sierrita
CW-6	627485	3525589	500945	2867.00	7/27/10		257.35		2609.65	Sierrita
CW-6	627485	3525589	500945	2867.00	10/14/10		257.22		2609.78	Sierrita
CW-6	627485	3525589	500945	2867.00	2/24/11		250.38		2616.62	Sierrita
CW-6	627485	3525589	500945	2867.00	4/28/11		254.32		2612.68	Sierrita
CW-6	627485	3525589	500945	2867.00	7/20/11		257.20		2609.80	Sierrita
CW-6	627485	3525589	500945	2867.00	12/14/11		253.57		2613.43	Sierrita
CW-6	627485	3525589	500945	2867.00	1/24/12		252.33		2614.67	Sierrita
CW-6	627485	3525589	500945	2867.00	5/9/12		255.74		2611.26	Sierrita
CW-6	627485	3525589	500945	2867.00	8/29/12		258.30		2608.70	Sierrita
CW-6	627485	3525589	500945	2867.00	12/12/12		256.33		2610.67	Sierrita
CW-6	627485	3525589	500945	2867.00	2/6/13		254.67		2612.33	Sierrita

## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3525589	500945	2867.00	5/15/13		259.27		2607.73	Sierrita
CW-6	627485	3525589	500945	2867.00	7/17/13		263.01		2603.99	Sierrita
CW-6	627485	3525589	500945	2867.00	10/23/13		264.66		2602.34	Sierrita
CW-6	627485	3525589	500945	2867.00	1/14/14		259.78		2607.22	Sierrita
CW-6	627485	3525589	500945	2867.00	4/16/14		265.79		2601.21	Sierrita
CW-6	627485	3525589	500945	2867.00	10/13/14		279.38	Static	2587.62	Sierrita
CW-6	627485	3525589	500945	2867.00	1/13/15		279.20	Static	2587.80	Sierrita
CW-6	627485	3525589	500945	2867.00	4/14/15		284.00	Static	2583.00	Sierrita
CW-6	627485	3525589	500945	2867.00	7/27/15		290.59	Static	2576.41	Sierrita
CW-6	627485	3525589	500945	2867.00	10/20/15		290.71	Static	2576.29	Sierrita
CW-6	627485	3525589	500945	2867.00	1/20/16		290.45	Static	2576.55	Sierrita
CW-6	627485	3525589	500945	2867.00	4/19/16		293.12	Static	2573.88	Sierrita
CW-6	627485	3525589	500945	2867.00	8/22/16		298.70	Dynamic	2568.30	Sierrita
CW-6	627485	3525589	500945	2867.00	10/31/16		300.81	Static	2566.19	Sierrita
CW-6	627485	3525589	500945	2867.00	1/17/17		298.58	Static	2568.42	Sierrita
CW-6	627485	3525589	500945	2867.00	5/16/17		303.85	Static	2563.15	Sierrita
CW-6	627485	3525589	500945	2867.00	7/20/17		305.00	Static	2562.00	Sierrita
CW-6	627485	3525589	500945	2867.00	10/24/17		309.80	Static	2557.20	Sierrita
CW-6	627485	3525589	500945	2867.00	2/12/18		309.80	Static	2557.20	Sierrita
CW-6	627485	3525589	500945	2867.00	5/15/18		309.60	Static	2557.40	Sierrita
CW-6	627485	3525589	500945	2867.00	8/7/18		312.62	Static	2554.38	Sierrita
CW-6	627485	3525589	500945	2867.00	11/28/18		308.00	Static	2559.00	Sierrita
CW-6	627485	3525589	500945	2867.00	3/6/19		305.20	Static	2561.80	Sierrita
CW-6	627485	3525589	500945	2867.00	4/24/19		307.58	Static	2559.42	Sierrita
CW-6	627485	3525589	500945	2867.00	11/7/19		313.44	Static	2553.56	Sierrita
CW-6	627485	3525589	500945	2867.00	1/14/20		311.38	Static	2555.62	Sierrita
CW-6	627485	3525589	500945	2867.00	5/5/20		319.34	Static	2547.66	Sierrita
CW-6	627485	3525589	500945	2867.00	8/12/20		323.99	Static	2543.01	Sierrita
CW-6	627485	3525589	500945	2867.00	11/10/20		318.00	Static	2549.00	Sierrita
CW-6	627485	3525589	500945	2867.00	2/24/21		318.00	Static	2549.00	Sierrita
CW-6	627485	3525589	500945	2867.00	5/20/21		324.85	Static	2542.15	Sierrita
CW-6	627485	3525589	500945	2867.00	8/18/21		318.00	Static	2549.00	Sierrita
CW-6	627485	3525589	500945	2867.00	11/17/21		316.70	Static	2550.30	Sierrita
CW-6	627485	3525589	500945	2867.00	2/9/22		317.10	Static	2549.90	Sierrita
CW-6	627485	3525589	500945	2867.00	5/18/22		330.85	Static	2536.15	Sierrita
CW-6	627485	3525589	500945	2867.00	9/12/22		332.85	Static	2534.15	Sierrita
CW-6	627485	3525589	500945	2867.00	11/16/22		323.70	Static	2543.30	Sierrita
CW-7	502546	3527941	499687	2987.50	2/2/07		425.00		2562.50	Sierrita
CW-7	502546	3527941	499687	2987.50	5/14/07		424.15		2563.35	Sierrita
CW-7	502546	3527941	499687	2987.50	7/10/07		426.50		2561.00	Sierrita
CW-7	502546	3527941	499687	2987.50	10/2/07		427.60		2559.90	Sierrita
CW-7	502546	3527941	499687	2987.50	1/8/08		427.50		2560.00	Sierrita
CW-7	502546	3527941	499687	2987.50	4/17/08		426.40		2561.10	Sierrita
CW-7	502546	3527941	499687	2987.50	7/8/08		428.40		2559.10	Sierrita
CW-7	502546	3527941	499687	2987.50	10/7/08		429.80		2557.70	Sierrita
CW-7	502546	3527941	499687	2987.50	2/6/09		426.62		2560.88	Sierrita
CW-7	502546	3527941	499687	2987.50	4/22/09		424.30		2563.20	Sierrita
CW-7	502546	3527941	499687	2987.50	5/14/10		438.35		2549.15	Sierrita
CW-7	502546	3527941	499687	2987.50	4/28/11		429.50		2558.00	Sierrita
CW-7	502546	3527941	499687	2987.50	5/9/12		425.90		2561.60	Sierrita
CW-7	502546	3527941	499687	2987.50	5/15/13		458.53		2528.97	Sierrita
CW-7	502546	3527941	499687	2987.50	4/16/14		440.68		2546.82	Sierrita
CW-7	502546	3527941	499687	2987.50	6/18/15		461.75	Static	2525.75	Sierrita
CW-7	502546	3527941	499687	2987.50	10/20/15		465.40	Static	2522.10	Sierrita
CW-7	502546	3527941	499687	2987.50	4/19/16		468.83	Static	2518.67	Sierrita
CW-7	502546	3527941	499687	2987.50	10/31/16		474.39	Dynamic	2513.11	Sierrita
CW-7	502546	3527941	499687	2987.50	5/16/17		477.10	Dynamic	2510.40	Sierrita
CW-7	502546	3527941	499687	2987.50	10/24/17		482.50	Static	2505.00	Sierrita
CW-7	502546	3527941	499687	2987.50	5/15/18		485.15	Static	2502.35	Sierrita
CW-7	502546	3527941	499687	2987.50	11/28/18		487.78	Static	2499.72	Sierrita
CW-7	502546	3527941	499687	2987.50	4/24/19		485.41	Static	2502.09	Sierrita
CW-7	502546	3527941	499687	2987.50	11/7/19		490.37	Static	2497.13	Sierrita
CW-7	502546	3527941	499687	2987.50	4/8/20		489.10	Static	2498.40	Sierrita
CW-7	502546	3527941	499687	2987.50	5/5/20		489.49	Static	2498.01	Sierrita
CW-7	502546	3527941	499687	2987.50	10/23/20		494.34	Static	2493.16	Sierrita
CW-7	502546	3527941	499687	2987.50	3/11/21		492.69	Static	2494.81	Sierrita
CW-7	502546	3527941	499687	2987.50	3/31/21		493.30	Static	2494.20	Sierrita
CW-7	502546	3527941	499687	2987.50	6/3/21		494.60	Static	2492.90	Sierrita

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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-7	502546	3527941	499687	2987.50	8/18/21		494.50	Static	2493.00	Sierrita
CW-7	502546	3527941	499687	2987.50	11/17/21		495.70	Static	2491.80	Sierrita
CW-7	502546	3527941	499687	2987.50	2/9/22		495.55	Static	2491.95	Sierrita
CW-7	502546	3527941	499687	2987.50	5/18/22		496.34	Static	2491.16	Sierrita
CW-7	502546	3527941	499687	2987.50	9/12/22		498.30	Static	2489.20	Sierrita
CW-7	502546	3527941	499687	2987.50	11/16/22		497.50	Static	2490.00	Sierrita
CW-7	502546	3527941	499687	2987.50	1/25/23		497.12	Static	2490.38	Sierrita
CW-8	543600	3525481	499843	2957.50	1/3/07		336.50		2621.00	Sierrita
CW-8	543600	3525481	499843	2957.50	5/24/07		338.14		2619.36	Sierrita
CW-8	543600	3525481	499843	2957.50	8/10/07		339.80		2617.70	Sierrita
CW-8	543600	3525481	499843	2957.50	10/2/07		340.60		2616.90	Sierrita
CW-8	543600	3525481	499843	2957.50	1/8/08		337.97		2619.53	Sierrita
CW-8	543600	3525481	499843	2957.50	4/17/08		339.20		2618.30	Sierrita
CW-8	543600	3525481	499843	2957.50	7/8/08		341.75		2615.75	Sierrita
CW-8	543600	3525481	499843	2957.50	10/7/08		342.75		2614.75	Sierrita
CW-8	543600	3525481	499843	2957.50	2/6/09		339.12		2618.38	Sierrita
CW-8	543600	3525481	499843	2957.50	4/22/09		341.20		2616.30	Sierrita
CW-8	543600	3525481	499843	2957.50	4/12/10		342.00		2615.50	Sierrita
CW-8	543600	3525481	499843	2957.50	4/28/11		342.68		2614.82	Sierrita
CW-8	543600	3525481	499843	2957.50	5/9/12		340.12		2617.38	Sierrita
CW-8	543600	3525481	499843	2957.50	5/15/13		347.39		2610.11	Sierrita
CW-8	543600	3525481	499843	2957.50	4/16/14		359.08		2598.42	Sierrita
CW-8	543600	3525481	499843	2957.50	6/18/15		384.24	Static	2573.26	Sierrita
CW-8	543600	3525481	499843	2957.50	10/20/15		387.56	Static	2569.94	Sierrita
CW-8	543600	3525481	499843	2957.50	4/19/16		391.20	Static	2566.30	Sierrita
CW-8	543600	3525481	499843	2957.50	10/31/16		397.39	Dynamic	2560.11	Sierrita
CW-8	543600	3525481	499843	2957.50	5/16/17		400.30	Dynamic	2557.20	Sierrita
CW-8	543600	3525481	499843	2957.50	10/24/17		404.16	Static	2553.34	Sierrita
CW-8	543600	3525481	499843	2957.50	5/15/18		403.70	Static	2553.80	Sierrita
CW-8	543600	3525481	499843	2957.50	11/28/18		404.95	Static	2552.55	Sierrita
CW-8	543600	3525481	499843	2957.50	4/24/19		402.50	Static	2555.00	Sierrita
CW-8	543600	3525481	499843	2957.50	11/7/19		407.02	Static	2550.48	Sierrita
CW-8	543600	3525481	499843	2957.50	5/5/20		408.86	Static	2548.64	Sierrita
CW-8	543600	3525481	499843	2957.50	11/10/20		411.60	Static	2545.90	Sierrita
CW-8	543600	3525481	499843	2957.50	5/20/21		412.88	Static	2544.62	Sierrita
CW-8	543600	3525481	499843	2957.50	11/17/21		412.76	Static	2544.74	Sierrita
CW-8	543600	3525481	499843	2957.50	5/18/22		418.48	Static	2539.02	Sierrita
CW-8	543600	3525481	499843	2987.50	12/8/22		417.58	Static	2539.92	Sierrita
CW-9	588121	3528541	501164	2863.00	12/4/06		306.00		2557.00	Sierrita
CW-9	588121	3528541	501164	2863.00	1/3/07		304.20		2558.80	Sierrita
CW-9	588121	3528541	501164	2863.00	5/24/07		309.40		2553.60	Sierrita
CW-9	588121	3528541	501164	2863.00	7/10/07		310.20		2552.80	Sierrita
CW-9	588121	3528541	501164	2863.00	10/2/07		310.70		2552.30	Sierrita
CW-9	588121	3528541	501164	2863.00	1/8/08		308.82		2554.18	Sierrita
CW-9	588121	3528541	501164	2863.00	4/17/08		308.00		2555.00	Sierrita
CW-9	588121	3528541	501164	2863.00	7/8/08		315.60		2547.40	Sierrita
CW-9	588121	3528541	501164	2863.00	10/7/08		316.05		2546.95	Sierrita
CW-9	588121	3528541	501164	2863.00	2/6/09		309.80		2553.20	Sierrita
CW-9	588121	3528541	501164	2863.00	4/22/09		311.10		2551.90	Sierrita
CW-9	588121	3528541	501164	2863.00	7/30/09		316.5		2546.50	Sierrita
CW-9	588121	3528541	501164	2863.00	11/5/09		321.60		2541.40	Sierrita
CW-9	588121	3528541	501164	2863.00	2/10/10		316.69		2546.31	Sierrita
CW-9	588121	3528541	501164	2863.00	5/14/10		316.20		2546.80	Sierrita
CW-9	588121	3528541	501164	2863.00	7/27/10		313.63		2549.37	Sierrita
CW-9	588121	3528541	501164	2863.00	10/14/10		318.65		2544.35	Sierrita
CW-9	588121	3528541	501164	2863.00	2/24/11		309.94		2553.06	Sierrita
CW-9	588121	3528541	501164	2863.00	4/28/11		313.41		2549.59	Sierrita
CW-9	588121	3528541	501164	2863.00	7/20/11		315.45		2547.55	Sierrita
CW-9	588121	3528541	501164	2863.00	12/14/11		314.17		2548.83	Sierrita
CW-9	588121	3528541	501164	2863.00	1/24/12		312.56		2550.44	Sierrita
CW-9	588121	3528541	501164	2863.00	5/9/12		314.39		2548.61	Sierrita
CW-9	588121	3528541	501164	2863.00	8/29/12		318.12		2544.88	Sierrita
CW-9	588121	3528541	501164	2863.00	12/12/12		317.48		2545.52	Sierrita
CW-9	588121	3528541	501164	2863.00	2/6/13		313.90		2549.10	Sierrita
CW-9	588121	3528541	501164	2863.00	5/15/13		313.79		2549.21	Sierrita
CW-9	588121	3528541	501164	2863.00	7/17/13		316.52		2546.48	Sierrita
CW-9	588121	3528541	501164	2863.00	10/23/13		319.19		2543.81	Sierrita
CW-9	588121	3528541	501164	2863.00	1/14/14		319.38		2543.62	Sierrita



## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bis)	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
CW-9	588121	3528541	501164	2863.00	4/16/14		317.82		2545.18	Sierrita
CW-9	588121	3528541	501164	2863.00	10/13/14		330.96	Static	2532.04	Sierrita
CW-9	588121	3528541	501164	2863.00	1/13/15		328.35	Static	2534.65	Sierrita
CW-9	588121	3528541	501164	2863.00	4/14/15		331.47	Static	2531.53	Sierrita
CW-9	588121	3528541	501164	2863.00	7/27/15		338.28	Static	2524.72	Sierrita
CW-9	588121	3528541	501164	2863.00	10/20/15		342.55	Static	2520.45	Sierrita
CW-9	588121	3528541	501164	2863.00	1/20/16		338.6	Static	2524.40	Sierrita
CW-9	588121	3528541	501164	2863.00	4/19/16		339.68	Static	2523.32	Sierrita
CW-9	588121	3528541	501164	2863.00	4/28/16		337.98	Static	2525.02	Clear Creek
CW-9	588121	3528541	501164	2863.00	8/22/16		359.47	Static	2503.53	Sierrita
CW-9	588121	3528541	501164	2863.00	10/31/16		349.00	Static	2514.00	Sierrita
CW-9	588121	3528541	501164	2863.00	1/17/17		346.70	Static	2516.30	Sierrita
CW-9	588121	3528541	501164	2863.00	5/16/17		344.80	Static	2518.20	Sierrita
CW-9	588121	3528541	501164	2863.00	7/20/17		350.90	Static	2512.10	Sierrita
CW-9	588121	3528541	501164	2863.00	10/24/17		356.25	Static	2506.75	Sierrita
CW-9	588121	3528541	501164	2863.00	2/12/18		353.80	Static	2509.20	Sierrita
CW-9	588121	3528541	501164	2863.00	5/15/18		357.79	Static	2505.21	Sierrita
CW-9	588121	3528541	501164	2863.00	8/7/18		360.48	Static	2502.52	Sierrita
CW-9	588121	3528541	501164	2863.00	11/28/18		359.30	Static	2503.70	Sierrita
CW-9	588121	3528541	501164	2863.00	3/6/19		355.42	Static	2507.58	Sierrita
CW-9	588121	3528541	501164	2863.00	4/24/19		356.78	Static	2506.22	Sierrita
CW-9	588121	3528541	501164	2863.00	8/14/19		361.18	Static	2501.82	Sierrita
CW-9	588121	3528541	501164	2863.00	11/7/19		362.58	Static	2500.42	Sierrita
CW-9	588121	3528541	501164	2863.00	1/14/20		358.74	Static	2504.26	Sierrita
CW-9	588121	3528541	501164	2863.00	8/12/20		357.18	Static	2505.82	Sierrita
CW-9	588121	3528541	501164	2863.00	11/10/20		366.63	Static	2496.37	Sierrita
CW-9	588121	3528541	501164	2863.00	2/24/21		361.78	Static	2501.22	Sierrita
CW-9	588121	3528541	501164	2863.00	5/20/21		372.49	Static	2490.51	Sierrita
CW-9	588121	3528541	501164	2863.00	8/18/21		364.90	Static	2498.10	Sierrita
CW-9	588121	3528541	501164	2863.00	11/17/21		365.85	Static	2497.15	Sierrita
CW-9	588121	3528541	501164	2863.00	2/9/22		363.20	Static	2499.80	Sierrita
CW-9	588121	3528541	501164	2863.00	5/18/22		365.69	Static	2497.31	Sierrita
CW-9	588121	3528541	501164	2863.00	9/12/22		368.60	Static	2494.40	Sierrita
CW-9	588121	3528541	501164	2863.00	11/16/22		365.45	Static	2497.55	Sierrita
CW-9	588121	3528541	501164	2863.00	1/30/23		357.70	Static	2505.30	Sierrita
CW-10	207982	3523259	500975	2868.50	12/4/06		178.25		2690.25	Sierrita
CW-10	207982	3523259	500975	2868.50	1/3/07		177.20		2691.30	Sierrita
CW-10	207982	3523259	500975	2868.50	5/24/07		196.30		2672.20	Sierrita
CW-10	207982	3523259	500975	2868.50	7/10/07		198.79		2669.71	Sierrita
CW-10	207982	3523259	500975	2868.50	10/2/07		190.85		2677.65	Sierrita
CW-10	207982	3523259	500975	2868.50	1/8/08		180.95		2687.55	Sierrita
CW-10	207982	3523259	500975	2868.50	4/17/08		187.95		2680.55	Sierrita
CW-10	207982	3523259	500975	2868.50	7/8/08		203.25		2665.25	Sierrita
CW-10	207982	3523259	500975	2868.50	10/7/08		190.65		2677.85	Sierrita
CW-10	207982	3523259	500975	2868.50	2/6/09		184.40		2684.10	Sierrita
CW-10	207982	3523259	500975	2868.50	4/22/09		191.12		2677.38	Sierrita
CW-10	207982	3523259	500975	2868.50	7/30/09		197.3		2671.20	Sierrita
CW-10	207982	3523259	500975	2868.50	11/5/09		199.10		2669.40	Sierrita
CW-10	207982	3523259	500975	2868.50	2/10/10		186.00		2682.50	Sierrita
CW-10	207982	3523259	500975	2868.50	5/14/10		190.10		2678.40	Sierrita
CW-10	207982	3523259	500975	2868.50	7/27/10		198.52		2669.98	Sierrita
CW-10	207982	3523259	500975	2868.50	10/14/10		195.31		2673.19	Sierrita
CW-10	207982	3523259	500975	2868.50	2/24/11		191.62		2676.88	Sierrita
CW-10	207982	3523259	500975	2868.50	4/28/11		196.15		2672.35	Sierrita
CW-10	207982	3523259	500975	2868.50	7/20/11		199.75		2668.75	Sierrita
CW-10	207982	3523259	500975	2868.50	12/14/11		191.70		2676.80	Sierrita
CW-10	207982	3523259	500975	2868.50	1/24/12		189.73		2678.77	Sierrita
CW-10	207982	3523259	500975	2868.50	5/9/12		197.20		2671.30	Sierrita
CW-10	207982	3523259	500975	2868.50	8/29/12		201.50		2667.00	Sierrita
CW-10	207982	3523259	500975	2868.50	12/12/12		199.93		2668.57	Sierrita
CW-10	207982	3523259	500975	2868.50	2/6/13		197.87		2670.63	Sierrita
CW-10	207982	3523259	500975	2868.50	5/15/13		209.50		2659.00	Sierrita
CW-10	207982	3523259	500975	2868.50	7/17/13		212.61		2655.89	Sierrita
CW-10	207982	3523259	500975	2868.50	10/23/13		215.14		2653.36	Sierrita
CW-10	207982	3523259	500975	2868.50	1/14/14		203.86		2664.64	Sierrita
CW-10	207982	3523259	500975	2868.50	4/16/14		210.15		2658.35	Sierrita
CW-10	207982	3523259	500975	2868.50	7/22/14		220.59	Static	2647.91	Sierrita
CW-10	207982	3523259	500975	2868.50	10/13/14		223.99	Static	2644.51	Sierrita

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	500975	2868.50	1/13/15		216.94	Static	2651.56	Sierrita
CW-10	207982	3523259	500975	2868.50	4/14/15		230.95	Static	2637.55	Sierrita
CW-10	207982	3523259	500975	2868.50	7/27/15		236.30	Static	2632.20	Sierrita
CW-10	207982	3523259	500975	2868.50	10/20/15		224.82	Static	2643.68	Sierrita
CW-10	207982	3523259	500975	2868.50	1/20/16		222.82	Static	2645.68	Sierrita
CW-10	207982	3523259	500975	2868.50	4/19/16		226.81	Static	2641.69	Sierrita
CW-10	207982	3523259	500975	2868.50	8/22/16		239.08	Dynamic	2629.42	Sierrita
CW-10	207982	3523259	500975	2868.50	10/31/16		422.60	Dynamic	2445.90	Sierrita
CW-10	207982	3523259	500975	2868.50	1/17/17		228.67	Static	2639.83	Sierrita
CW-10	207982	3523259	500975	2868.50	5/16/17		234.00	Static	2634.50	Sierrita
CW-10	207982	3523259	500975	2868.50	7/20/17		238.45	Static	2630.05	Sierrita
CW-10	207982	3523259	500975	2868.50	10/24/17		243.50	Static	2625.00	Sierrita
CW-10	207982	3523259	500975	2868.50	5/15/18		239.57	Static	2628.93	Sierrita
CW-10	207982	3523259	500975	2868.50	8/7/18		241.38	Static	2627.12	Sierrita
CW-10	207982	3523259	500975	2868.50	11/28/18		231.25	Static	2637.25	Sierrita
CW-10	207982	3523259	500975	2868.50	3/6/19		228.75	Static	2639.75	Sierrita
CW-10	207982	3523259	500975	2868.50	4/24/19		235.90	Static	2632.60	Sierrita
CW-10	207982	3523259	500975	2868.50	8/14/19		238.35	Static	2630.15	Sierrita
CW-10	207982	3523259	500975	2868.50	11/7/19		234.20	Static	2634.30	Sierrita
CW-10	207982	3523259	500975	2868.50	1/14/20		234.80	Static	2633.70	Sierrita
CW-10	207982	3523259	500975	2868.50	8/12/20		249.39	Static	2619.11	Sierrita
CW-10	207982	3523259	500975	2868.50	2/24/21		238.91	Static	2629.59	Sierrita
CW-10	207982	3523259	500975	2868.50	5/20/21		249.15	Static	2619.35	Sierrita
CW-10	207982	3523259	500975	2868.50	8/18/21		241.00	Static	2627.50	Sierrita
CW-10	207982	3523259	500975	2868.50	11/17/21		241.75	Static	2626.75	Sierrita
CW-10	207982	3523259	500975	2868.50	2/9/22		239.77	Static	2628.73	Sierrita
CW-10	207982	3523259	500975	2868.50	5/18/22		255.00	Static	2613.50	Sierrita
CW-10	207982	3523259	500975	2868.50	9/12/22		253.30	Static	2615.20	Sierrita
CW-10	207982	3523259	500975	2868.50	11/16/22		243.50	Static	2625.00	Sierrita
CW-10	207982	3523259	500975	2868.50	1/30/23		239.50	Static	2629.00	Sierrita
CW-11	608518	3531005	502442	2778.61	6/18/15		318.58	Dynamic	2460.03	Sierrita
CW-11	608518	3531005	502442	2778.61	10/20/15		286.51	Static	2492.10	Sierrita
CW-11	608518	3531005	502442	2778.61	4/19/16		281.75	Static	2496.86	Sierrita
CW-11	608518	3531005	502442	2778.61	10/31/16		289.5	Static	2489.11	Sierrita
CW-11	608518	3531005	502442	2778.61	10/24/17		347.9	Static	2430.71	Sierrita
CW-11	608518	3531005	502442	2778.61	5/15/18		341.00	Static	2437.61	Sierrita
CW-11	608518	3531005	502442	2778.61	11/28/18		320.30	Static	2458.31	Sierrita
CW-11	608518	3531005	502442	2778.61	4/24/19		293.50	Static	-293.50	Sierrita
CW-11	608518	3531005	502442	2778.61	4/24/19		293.50	Static	2485.11	Sierrita
CW-11	608518	3531005	502442	2778.61	11/7/19		380.00	Static	2398.61	Sierrita
CW-11	608518	3531005	502442	2778.61	5/5/20		293.00	Static	2485.61	Sierrita
CW-11	608518	3531005	502442	2778.61	11/10/20		304.48	Static	2474.13	Sierrita
CW-11	608518	3531005	502442	2778.61	4/1/21		299.00	Static	2479.61	Sierrita
CW-11	608518	3531005	502442	2778.61	11/17/21		298.30	Static	2480.31	Sierrita
CW-11	608518	3531005	502442	2778.61	5/18/22		303.80	Static	2474.81	Sierrita
CW-11	608518	3531005	502442	2778.61	12/8/22		294.60	Static	2484.01	Sierrita
ESP-1	623102	3526449	499970	2953.43	11/28/06		352.20		2601.23	Sierrita
ESP-1	623102	3526449	499970	2953.43	1/3/07		350.10		2603.33	Sierrita
ESP-1	623102	3526449	499970	2953.43	5/24/07		349.55		2603.88	Sierrita
ESP-1	623102	3526449	499970	2953.43	7/10/07		351.11		2602.32	Sierrita
ESP-1	623102	3526449	499970	2953.43	10/12/07		343.00		2610.43	Sierrita
ESP-1	623102	3526449	499970	2953.43	10/30/08		355.47		2597.96	Sierrita
ESP-1	623102	3526449	499970	2953.43	1/29/09		354		2599.43	Sierrita
ESP-1	623102	3526449	499970	2953.43	4/16/09		350.50		2602.93	Sierrita
ESP-1	623102	3526449	499970	2953.43	11/10/09		355.67		2597.76	Sierrita
ESP-1	623102	3526449	499970	2953.43	4/28/10		354.10		2599.33	Sierrita
ESP-1	623102	3526449	499970	2953.43	10/15/10		357.40		2596.03	Sierrita
ESP-1	623102	3526449	499970	2953.43	5/3/11		355.79		2597.64	Sierrita
ESP-1	623102	3526449	499970	2953.43	11/22/11		357.82		2595.61	Sierrita
ESP-1	623102	3526449	499970	2953.43	12/13/11		355.60		2597.83	Sierrita
ESP-1	623102	3526449	499970	2953.43	6/19/12		357.76		2595.67	Sierrita
ESP-1	623102	3526449	499970	2953.43	11/21/12		358.70		2594.73	Sierrita
ESP-1	623102	3526449	499970	2953.43	5/20/13		357.15		2596.28	Sierrita
ESP-2	623103	3526925	500242	2934.60	11/28/06		342.55		2592.05	Sierrita
ESP-2	623103	3526925	500242	2934.60	1/3/07		343.10		2591.50	Sierrita
ESP-2	623103	3526925	500242	2934.60	5/14/07		339.90		2594.70	Sierrita
ESP-2	623103	3526925	500242	2934.60	7/10/07		341.25		2593.35	Sierrita
ESP-2	623103	3526925	500242	2934.60	10/12/07		342.26		2592.34	Sierrita

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3526925	500242	2934.60	1/23/08		340.40		2594.20	Sierrita
ESP-2	623103	3526925	500242	2934.60	4/18/08		340.93		2593.67	Sierrita
ESP-2	623103	3526925	500242	2934.60	7/25/08		342.30		2592.30	Sierrita
ESP-2	623103	3526925	500242	2934.60	10/30/08		344.82		2589.78	Sierrita
ESP-2	623103	3526925	500242	2934.60	1/29/09		395.16		2539.44	Sierrita
ESP-2	623103	3526925	500242	2934.60	4/16/09		341.45		2593.15	Sierrita
ESP-2	623103	3526925	500242	2934.60	11/10/09		346.50		2588.10	Sierrita
ESP-2	623103	3526925	500242	2934.60	4/28/10		343.99		2590.61	Sierrita
ESP-2	623103	3526925	500242	2934.60	10/15/10		347.33		2587.27	Sierrita
ESP-2	623103	3526925	500242	2934.60	5/3/11		345.44		2589.16	Sierrita
ESP-2	623103	3526925	500242	2934.60	11/22/11		347.26		2587.34	Sierrita
ESP-2	623103	3526925	500242	2934.60	6/19/12		346.84		2587.76	Sierrita
ESP-2	623103	3526925	500242	2934.60	11/21/12		348.11		2586.49	Sierrita
ESP-2	623103	3526925	500242	2934.60	5/20/13		348.45		2586.15	Sierrita
ESP-2	623103	3526925	500242	2934.60	11/5/13		362.28		2572.32	Sierrita
ESP-2	623103	3526925	500242	2934.60	3/12/14		354.98		2579.62	Sierrita
ESP-2	623103	3526925	500242	2934.60	4/28/14		358.88		2575.72	Sierrita
ESP-2	623103	3526925	500242	2934.60	5/6/14		358.90		2575.70	Sierrita
ESP-2	623103	3526925	500242	2934.60	6/23/14		358.86		2575.74	Sierrita
ESP-2	623103	3526925	500242	2934.60	7/28/14		365.59		2569.01	Sierrita
ESP-2	623103	3526925	500242	2934.60	8/8/14		367.53		2567.07	Sierrita
ESP-2	623103	3526925	500242	2934.60	9/9/14		368.29	Static	2566.31	Sierrita
ESP-2	623103	3526925	500242	2934.60	10/1/14		369.45		2565.15	Sierrita
ESP-2	623103	3526925	500242	2934.60	11/26/14		369.90		2564.70	Sierrita
ESP-2	623103	3526925	500242	2934.60	12/17/14		370.22	Static	2564.38	Sierrita
ESP-2	623103	3526925	500242	2934.60	1/29/15		370.43	Static	2564.17	Sierrita
ESP-2	623103	3526925	500242	2934.60	2/27/15		370.56	Static	2564.04	Sierrita
ESP-2	623103	3526925	500242	2934.60	3/26/15		376.27	Static	2558.33	Sierrita
ESP-2	623103	3526925	500242	2934.60	4/29/15		377.94	Static	2556.66	Sierrita
ESP-2	623103	3526925	500242	2934.60	5/12/15		378.70	Static	2555.90	Sierrita
ESP-2	623103	3526925	500242	2934.60	6/21/15		379.41	Static	2555.19	Sierrita
ESP-2	623103	3526925	500242	2934.60	7/24/15		382.81	Static	2551.79	Sierrita
ESP-2	623103	3526925	500242	2934.60	8/14/15		384.60	Static	2550.00	Sierrita
ESP-2	623103	3526925	500242	2934.60	10/21/15		382.96	Static	2551.64	Sierrita
ESP-2	623103	3526925	500242	2934.60	11/2/15		382.38	Static	2552.22	Sierrita
ESP-2	623103	3526925	500242	2934.60	1/4/16		384.44	Static	2550.16	Sierrita
ESP-2	623103	3526925	500242	2934.60	2/9/16		385.29	Static	2549.31	Sierrita
ESP-2	623103	3526925	500242	2934.60	3/11/16		385.93	Static	2548.67	Sierrita
ESP-2	623103	3526925	500242	2934.60	6/7/16		389.11	Static	2545.49	Sierrita
ESP-2	623103	3526925	500242	2934.60	9/7/16		391.55	Static	2543.05	Sierrita
ESP-2	623103	3526925	500242	2934.60	10/4/16		393.40	Static	2541.20	Sierrita
ESP-2	623103	3526925	500242	2934.60	1/18/17		394.70	Static	2539.90	Sierrita
ESP-2	623103	3526925	500242	2934.60	5/22/17		466.66	Dynamic	2467.94	Sierrita
ESP-2	623103	3526925	500242	2934.60	8/7/17		398.09	Static	2536.51	Sierrita
ESP-2	623103	3526925	500242	2934.60	4/5/18		402.48	Static	2532.12	Sierrita
ESP-2	623103	3526925	500242	2934.60	12/10/18		404.18	Static	2530.42	Sierrita
ESP-2	623103	3526925	500242	2934.60	5/22/19		401.30	Static	2533.30	Sierrita
ESP-2	623103	3526925	500242	2934.60	9/12/19		406.10	Static	2528.50	Sierrita
ESP-2	623103	3526925	500242	2934.60	10/29/19		406.90	Static	2527.70	Sierrita
ESP-2	623103	3526925	500242	2934.60	11/25/19		405.05	Static	2529.55	Sierrita
ESP-2	623103	3526925	500242	2934.60	12/12/19		405.81	Static	2528.79	Sierrita
ESP-2	623103	3526925	500242	2934.60	1/9/20		405.31	Static	2529.29	Sierrita
ESP-2	623103	3526925	500242	2934.60	2/10/20		404.40	Static	2530.20	Sierrita
ESP-2	623103	3526925	500242	2934.60	3/11/20		404.20	Static	2530.40	Sierrita
ESP-2	623103	3526925	500242	2934.60	4/9/20		406.40	Static	2528.20	Sierrita
ESP-2	623103	3526925	500242	2934.60	10/7/20		411.79	Static	2522.81	Sierrita
ESP-2	623103	3526925	500242	2934.60	4/5/21		410.94	Static	2523.66	Sierrita
ESP-2	623103	3526925	500242	2934.60	11/19/21		411.80	Static	2522.80	Sierrita
ESP-2	623103	3526925	500242	2934.60	4/7/22		412.85	Static	2521.75	Sierrita
ESP-2	623103	3526925	500242	2934.60	10/25/22		416.20	Static	2518.40	Sierrita
ESP-3	623104	3527377	500234	2935.80	11/28/06		360.40		2575.40	Sierrita
ESP-3	623104	3527377	500234	2935.80	1/3/07		358.60		2577.20	Sierrita
ESP-3	623104	3527377	500234	2935.80	5/14/07		355.85		2579.95	Sierrita
ESP-3	623104	3527377	500234	2935.80	7/1/07		358.05		2577.75	Sierrita
ESP-3	623104	3527377	500234	2935.80	10/30/08		361.12		2574.68	Sierrita
ESP-3	623104	3527377	500234	2935.80	1/29/09		410.05		2525.75	Sierrita
ESP-3	623104	3527377	500234	2935.80	4/16/09		353.20		2582.60	Sierrita
ESP-3	623104	3527377	500234	2935.80	11/12/09		363.37		2572.43	Sierrita

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Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bis)	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
ESP-3	623104	3527377	500234	2935.80	4/28/10		361.69		2574.11	Sierrita
ESP-3	623104	3527377	500234	2935.80	10/15/10		365.00		2570.80	Sierrita
ESP-3	623104	3527377	500234	2935.80	5/3/11		363.35		2572.45	Sierrita
ESP-3	623104	3527377	500234	2935.80	11/22/11		364.91		2570.89	Sierrita
ESP-3	623104	3527377	500234	2935.80	6/19/12		364.50		2571.30	Sierrita
ESP-3	623104	3527377	500234	2935.80	11/21/12		357.92		2577.88	Sierrita
ESP-3	623104	3527377	500234	2935.80	5/22/13		356.23		2579.57	Sierrita
ESP-3	623104	3527377	500234	2935.80	11/5/13		367.84		2567.96	Sierrita
ESP-3	623104	3527377	500234	2935.80	4/28/14		374.61		2561.19	Sierrita
ESP-3	623104	3527377	500234	2935.80	10/1/14		375.53	Static	2560.27	Sierrita
ESP-3	623104	3527377	500234	2935.80	5/12/15		393.85	Static	2541.95	Sierrita
ESP-3	623104	3527377	500234	2935.80	10/21/15		398.32	Static	2537.48	Sierrita
ESP-3	623104	3527377	500234	2935.80	2/9/16		400.51	Static	2535.29	Sierrita
ESP-3	623104	3527377	500234	2935.80	6/7/16		397.10	Static	2538.70	Sierrita
ESP-3	623104	3527377	500234	2935.80	9/7/16		406.68	Static	2529.12	Sierrita
ESP-3	623104	3527377	500234	2935.80	10/4/16		407.80	Static	2528.00	Sierrita
ESP-3	623104	3527377	500234	2935.80	1/18/17		408.95	Static	2526.85	Sierrita
ESP-3	623104	3527377	500234	2935.80	5/22/17		411.67	Static	2524.13	Sierrita
ESP-3	623104	3527377	500234	2935.80	8/7/17		413.30	Static	2522.50	Sierrita
ESP-3	623104	3527377	500234	2935.80	10/17/17		414.00	Static	2521.80	Sierrita
ESP-3	623104	3527377	500234	2935.80	1/16/18		413.65	Static	2522.15	Sierrita
ESP-3	623104	3527377	500234	2935.80	4/5/18		417.70	Static	2518.10	Sierrita
ESP-3	623104	3527377	500234	2935.80	12/10/18		420.90	Static	2514.90	Sierrita
ESP-3	623104	3527377	500234	2935.80	5/22/19		418.19	Static	2517.61	Sierrita
ESP-3	623104	3527377	500234	2935.80	9/12/19		422.70	Static	2513.10	Sierrita
ESP-3	623104	3527377	500234	2935.80	10/29/19		423.40	Static	2512.40	Sierrita
ESP-3	623104	3527377	500234	2935.80	11/25/19		422.40	Static	2513.40	Sierrita
ESP-3	623104	3527377	500234	2935.80	12/12/19		422.98	Static	2512.82	Sierrita
ESP-3	623104	3527377	500234	2935.80	1/9/20		422.60	Static	2513.20	Sierrita
ESP-3	623104	3527377	500234	2935.80	2/10/20		421.95	Static	2513.85	Sierrita
ESP-3	623104	3527377	500234	2935.80	3/11/20		421.58	Static	2514.22	Sierrita
ESP-3	623104	3527377	500234	2935.80	4/9/20		420.75	Static	2515.05	Sierrita
ESP-3	623104	3527377	500234	2935.80	10/7/20		427.85	Static	2507.95	Sierrita
ESP-3	623104	3527377	500234	2935.80	4/5/21		426.71	Static	2509.09	Sierrita
ESP-3	623104	3527377	500234	2935.80	11/19/21		428.80	Static	2507.00	Sierrita
ESP-3	623104	3527377	500234	2935.80	4/7/22		429.26	Static	2506.54	Sierrita
ESP-3	623104	3527377	500234	2935.80	10/25/22		432.05	Static	2503.75	Sierrita
ESP-4	623105	3526133	499917	2958.60	11/28/06		349.20		2609.40	Sierrita
ESP-4	623105	3526133	499917	2958.60	1/12/07		348.30		2610.30	Sierrita
ESP-4	623105	3526133	499917	2958.60	5/4/07		346.90		2611.70	Sierrita
ESP-4	623105	3526133	499917	2958.60	7/24/07		348.80		2609.80	Sierrita
ESP-4	623105	3526133	499917	2958.60	10/12/07		352.41		2606.19	Sierrita
ESP-4	623105	3526133	499917	2958.60	1/23/08		349.65		2608.95	Sierrita
ESP-4	623105	3526133	499917	2958.60	4/18/08		350.39		2608.21	Sierrita
ESP-4	623105	3526133	499917	2958.60	7/25/08		352.13		2606.47	Sierrita
ESP-4	623105	3526133	499917	2958.60	10/30/08		355.42		2603.18	Sierrita
ESP-4	623105	3526133	499917	2958.60	1/29/09		352.50		2606.10	Sierrita
ESP-4	623105	3526133	499917	2958.60	4/16/09		356.87		2601.73	Sierrita
ESP-4	623105	3526133	499917	2958.60	10/23/09		355.64		2602.96	Sierrita
ESP-4	623105	3526133	499917	2958.60	4/28/10		351.56		2607.04	Sierrita
ESP-4	623105	3526133	499917	2958.60	10/15/10		358.16		2600.44	Sierrita
ESP-4	623105	3526133	499917	2958.60	5/3/11		355.65		2602.95	Sierrita
ESP-4	623105	3526133	499917	2958.60	11/22/11		356.91		2601.69	Sierrita
ESP-4	623105	3526133	499917	2958.60	11/12/12		358.92		2599.68	Sierrita
ESP-4	623105	3526133	499917	2958.60	5/20/13		363.95		2594.65	Sierrita
ESP-4	623105	3526133	499917	2958.60	11/5/13		362.37		2596.23	Sierrita
ESP-4	623105	3526133	499917	2958.60	4/28/14		372.14		2586.46	Sierrita
ESP-4	623105	3526133	499917	2958.60	10/1/14		383.76	Static	2574.84	Sierrita
ESP-4	623105	3526133	499917	2958.60	5/12/15		393.63	Static	2564.97	Sierrita
ESP-4	623105	3526133	499917	2958.60	10/19/15		399.74	Static	2558.86	Sierrita
ESP-4	623105	3526133	499917	2958.60	6/7/16		411.20	Static	2547.40	Sierrita
ESP-4	623105	3526133	499917	2958.60	10/4/16		407.80	Static	2550.80	Sierrita
ESP-4	623105	3526133	499917	2958.60	5/22/17		411.60	Static	2547.00	Sierrita
ESP-4	623105	3526133	499917	2958.60	10/17/17		413.59	Static	2545.01	Sierrita
ESP-4	623105	3526133	499917	2958.60	4/5/18		415.25	Static	2543.35	Sierrita
ESP-4	623105	3526133	499917	2958.60	12/10/18		416.58	Static	2542.02	Sierrita
ESP-4	623105	3526133	499917	2958.60	5/22/19		413.29	Static	2545.31	Sierrita
ESP-4	623105	3526133	499917	2958.60	9/12/19		417.49	Static	2541.11	Sierrita



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Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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-4	623105	3526133	499917	2958.60	10/29/19		418.53	Static	2540.07	Sierrita
ESP-4	623105	3526133	499917	2958.60	11/25/19		416.32	Static	2542.28	Sierrita
ESP-4	623105	3526133	499917	2958.60	12/12/19		417.66	Static	2540.94	Sierrita
ESP-4	623105	3526133	499917	2958.60	1/9/20		417.10	Static	2541.50	Sierrita
ESP-4	623105	3526133	499917	2958.60	2/10/20		416.04	Static	2542.56	Sierrita
ESP-4	623105	3526133	499917	2958.60	3/11/20		415.76	Static	2542.84	Sierrita
ESP-4	623105	3526133	499917	2958.60	4/9/20		418.72	Static	2539.88	Sierrita
ESP-4	623105	3526133	499917	2958.60	10/7/20		423.99	Static	2534.61	Sierrita
ESP-4	623105	3526133	499917	2958.60	4/5/21		422.75	Static	2535.85	Sierrita
ESP-4	623105	3526133	499917	2958.60	11/19/21		424.48	Static	2534.12	Sierrita
ESP-4	623105	3526133	499917	2958.60	4/7/22		425.75	Static	2532.85	Sierrita
ESP-4	623105	3526133	499917	2958.60	10/25/22		429.10	Static	2529.50	Sierrita
ESP-5	623106	3527082	502008	2820.00	2/12/07		219.50		2600.50	Sierrita
ESP-5	623106	3527082	502008	2820.00	5/4/07		217.75		2602.25	Sierrita
ESP-5	623106	3527082	502008	2820.00	7/3/07		224.60		2595.40	Sierrita
ESP-5	623106	3527082	502008	2820.00	11/8/07		228.42		2591.58	Sierrita
ESP-5	623106	3527082	502008	2820.00	1/28/08		222.00		2598.00	Sierrita
ESP-5	623106	3527082	502008	2820.00	4/22/08		220.08		2599.92	Sierrita
ESP-5	623106	3527082	502008	2820.00	8/7/08		225.88		2594.12	Sierrita
ESP-5	623106	3527082	502008	2820.00	11/3/08		228.92		2591.08	Sierrita
ESP-5	623106	3527082	502008	2820.00	2/17/09		221.89		2598.11	Sierrita
ESP-5	623106	3527082	502008	2820.00	6/2/09		224.10		2595.90	Sierrita
ESP-5	623106	3527082	502008	2820.00	4/28/10		223.28		2596.72	Sierrita
ESP-5	623106	3527082	502008	2820.00	5/3/11		224.15		2595.85	Sierrita
ESP-5	623106	3527082	502008	2820.00	6/19/12		229.73		2590.27	Sierrita
ESP-5	623106	3527082	502008	2820.00	5/20/13		230.08		2589.92	Sierrita
ESP-5	623106	3527082	502008	2820.00	4/29/14		232.72		2587.28	Sierrita
ESP-5	623106	3527082	502008	2820.00	6/17/15		241.10	Static	2578.90	Sierrita
ESP-5	623106	3527082	502008	2820.00	11/24/15		242.02	Static	2577.98	Sierrita
ESP-5	623106	3527082	502008	2820.00	4/28/16		243.73	Static	2576.27	Sierrita
ESP-5	623106	3527082	502008	2820.00	12/8/16		244.10	Static	2575.90	Sierrita
ESP-5	623106	3527082	502008	2820.00	6/8/17		254.00	Static	2566.00	Sierrita
ESP-5	623106	3527082	502008	2820.00	11/15/17		254.82	Static	2565.18	Sierrita
ESP-5	623106	3527082	502008	2820.00	6/11/18		259.00	Static	2561.00	Sierrita
ESP-5	623106	3527082	502008	2820.00	12/11/18		255.80	Static	2564.20	Sierrita
ESP-5	623106	3527082	502008	2820.00	5/7/19		254.20	Static	2565.80	Sierrita
ESP-5	623106	3527082	502008	2820.00	12/17/19		258.00	Static	2562.00	Sierrita
ESP-5	623106	3527082	502008	2820.00	6/10/20		263.60	Static	2556.40	Sierrita
ESP-5	623106	3527082	502008	2820.00	12/3/20		264.88	Static	2555.12	Sierrita
ESP-5	623106	3527082	502008	2820.00	6/2/21		265.85	Static	2554.15	Sierrita
ESP-5	623106	3527082	502008	2820.00	12/8/21		263.30	Static	2556.70	Sierrita
ESP-5	623106	3527082	502008	2820.00	6/8/22		267.84	Static	2552.16	Sierrita
ESP-5	623106	3527082	502008	2820.00	12/6/22		265.80	Static	2554.20	Sierrita
FFS-1	221662	3524105	498322	3071.40	5/10/13	396.74		Static		BW, 2015a
FFS-1	221662	3524105	498322	3071.40	5/10/13	427.19		Dynamic		BW, 2015a
FFS-1	221662	3524105	498322	3071.40	1/15/14	438.94		Dynamic		BW, 2015a
FFS-1	221662	3524105	498322	3071.40	1/15/14		438.94	Dynamic	2632.46	Sierrita
FFS-1	221662	3524105	498322	3071.40	1/22/14	439.09		Dynamic		BW, 2015a
FFS-1	221662	3524105	498322	3071.40	1/22/14		439.09	Dynamic	2632.31	Sierrita
FFS-1	221662	3524105	498322	3071.40	1/29/14		379.85	Dynamic	2691.55	Sierrita
FFS-1	221662	3524105	498322	3071.40	2/5/14	436.58		Dynamic		BW, 2015a
FFS-1	221662	3524105	498322	3071.40	2/12/14	437.02		Dynamic		BW, 2015a
FFS-1	221662	3524105	498322	3071.40	3/13/14		446.91	Dynamic	2624.49	Sierrita
FFS-1	221662	3524105	498322	3071.40	5/14/14		453.40	Dynamic	2618.00	Sierrita
FFS-1	221662	3524105	498322	3071.40	5/30/14	453.40		Dynamic		BW, 2015a
FFS-1	221662	3524105	498322	3071.40	6/5/14		457.50	Dynamic	2613.90	Sierrita
FFS-1	221662	3524105	498322	3071.40	6/5/14	457.50		Dynamic		BW, 2015a
FFS-1	221662	3524105	498322	3071.40	7/6/14		455.90	Dynamic	2615.50	Sierrita
FFS-1	221662	3524105	498322	3071.40	7/6/14	454.90		Dynamic		BW, 2015a
FFS-1	221662	3524105	498322	3071.40	7/31/14		457.00	Dynamic	2614.40	Sierrita
FFS-1	221662	3524105	498322	3071.40	7/31/14	457.00		Dynamic		BW, 2015a
FFS-1	221662	3524105	498322	3071.40	8/27/14		457.80	Dynamic	2613.60	Sierrita
FFS-1	221662	3524105	498322	3071.40	8/27/14	457.80		Dynamic		BW, 2015a
FFS-1	221662	3524105	498322	3071.40	10/1/14		428.40	Static	2643.00	Sierrita
FFS-1	221662	3524105	498322	3071.40	10/1/14	427.4		Static		BW, 2015a
FFS-1	221662	3524105	498322	3071.40	11/4/14		462.50	Static	2608.90	Sierrita
FFS-1	221662	3524105	498322	3071.40	11/4/14	461.50		Dynamic		BW, 2015a
FFS-1	221662	3524105	498322	3071.40	12/2/14		464.00	Dynamic	2607.40	Sierrita

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Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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-1	221662	3524105	498322	3071.40	12/2/14			Dynamic		BW, 2015a
FFS-1	221662	3524105	498322	3071.40	1/4/15		464.60	Dynamic	2606.80	Sierrita
FFS-1	221662	3524105	498322	3071.40	3/3/15		465.70	Dynamic	2605.70	Sierrita
FFS-1	221662	3524105	498322	3071.40	4/9/15		432.05	Static	2639.35	Sierrita
FFS-1	221662	3524105	498322	3071.40	5/2/15		431.60	Static	2639.80	Sierrita
FFS-1	221662	3524105	498322	3071.40	6/11/15		431.55	Static	2639.85	Sierrita
FFS-1	221662	3524105	498322	3071.40	7/6/15		467.05	Dynamic	2604.35	Sierrita
FFS-1	221662	3524105	498322	3071.40	8/18/15		470.50	Dynamic	2600.90	Sierrita
FFS-1	221662	3524105	498322	3071.40	10/7/15		472.85	Dynamic	2598.55	Sierrita
FFS-1	221662	3524105	498322	3071.40	11/4/15		473.70	Dynamic	2597.70	Sierrita
FFS-1	221662	3524105	498322	3071.40	12/9/15		475.32	Dynamic	2596.08	Sierrita
FFS-1	221662	3524105	498322	3071.40	1/12/16		474.00	Dynamic	2597.40	Sierrita
FFS-1	221662	3524105	498322	3071.40	2/11/16		475.30	Dynamic	2596.10	BW
FFS-1	221662	3524105	498322	3071.40	3/4/16		475.80	Dynamic	2595.60	BW
FFS-1	221662	3524105	498322	3071.40	4/29/16		593.55	Dynamic	2477.85	Sierrita
FFS-1	221662	3524105	498322	3071.40	10/5/16		479.10	Dynamic	2592.30	BW
FFS-1	221662	3524105	498322	3071.40	4/17/17		481.15	Dynamic	2590.25	Sierrita
FFS-1	221662	3524105	498322	3071.40	7/20/17		480.93	Dynamic	2590.47	BW
FFS-1	221662	3524105	498322	3071.40	10/25/17		481.22	Dynamic	2590.18	BW
FFS-1	221662	3524105	498322	3071.40	5/22/18		446.20	Static	2625.20	BW
FFS-1	221662	3524105	498322	3071.40	9/25/18		443.75	Static	2627.65	BW
FFS-1	221662	3524105	498322	3071.40	11/26/18		478.40	Dynamic	2593.00	BW
FFS-1	221662	3524105	498322	3071.40	5/7/19		476.35	Dynamic	2595.05	BW
FFS-1	221662	3524105	498322	3071.40	10/8/19		481.35	Dynamic	2590.05	BW
FFS-1	221662	3524105	498322	3071.40	6/5/20		490.00	Dynamic	2581.40	BW
FFS-1	221662	3524105	498322	3071.40	10/30/20		480.15	Dynamic	2591.25	BW
FFS-1	221662	3524105	498322	3071.40	5/22/21		486.40	Dynamic	2585.00	BW
FFS-1	221662	3524105	498322	3071.40	11/20/21		492.62	Dynamic	2578.78	BW
FFS-1	221662	3524105	498322	3071.40	4/23/22		534.30	Dynamic	2537.10	BW
FFS-1	221662	3524105	498322	3071.40	12/20/22		536.85	Dynamic	2534.55	BW
FFS-2	221663	3524699	498317	3082.11	4/29/13	446.60		Dynamic		BW, 2015a
FFS-2	221663	3524699	498317	3082.11	4/29/13	416.50		Static		BW, 2015a
FFS-2	221663	3524699	498317	3082.11	1/15/14		459.42	Dynamic	2622.69	Sierrita
FFS-2	221663	3524699	498317	3082.11	1/15/14	459.42		Dynamic		BW, 2015a
FFS-2	221663	3524699	498317	3082.11	1/22/14		460.08	Dynamic	2622.03	Sierrita
FFS-2	221663	3524699	498317	3082.11	1/22/14	460.08		Dynamic		BW, 2015a
FFS-2	221663	3524699	498317	3082.11	1/28/14	462.21		Dynamic		BW, 2015a
FFS-2	221663	3524699	498317	3082.11	1/29/14		462.21	Dynamic	2619.90	Sierrita
FFS-2	221663	3524699	498317	3082.11	2/5/14	463.82		Dynamic		BW, 2015a
FFS-2	221663	3524699	498317	3082.11	3/13/14		468.92	Dynamic	2613.19	Sierrita
FFS-2	221663	3524699	498317	3082.11	5/13/14		444.00	Dynamic	2638.11	Sierrita
FFS-2	221663	3524699	498317	3082.11	5/30/14	474.00		Dynamic		BW, 2015a
FFS-2	221663	3524699	498317	3082.11	6/5/14		476.75	Dynamic	2605.36	Sierrita
FFS-2	221663	3524699	498317	3082.11	6/5/14	476.75		Dynamic		BW, 2015a
FFS-2	221663	3524699	498317	3082.11	7/6/14		479.70	Dynamic	2602.41	Sierrita
FFS-2	221663	3524699	498317	3082.11	7/6/14	479.03		Dynamic		BW, 2015a
FFS-2	221663	3524699	498317	3082.11	7/31/14		480.80	Dynamic	2601.31	Sierrita
FFS-2	221663	3524699	498317	3082.11	7/31/14	480.80		Dynamic		BW, 2015a
FFS-2	221663	3524699	498317	3082.11	8/27/14		482.20	Dynamic	2599.91	Sierrita
FFS-2	221663	3524699	498317	3082.11	8/27/14	482.20		Dynamic		BW, 2015a
FFS-2	221663	3524699	498317	3082.11	10/1/14		453.20	Static	2628.91	Sierrita
FFS-2	221663	3524699	498317	3082.11	10/1/14	452.53		Static		BW, 2015a
FFS-2	221663	3524699	498317	3082.11	11/4/14		487.37	Dynamic	2594.74	Sierrita
FFS-2	221663	3524699	498317	3082.11	11/4/14	486.70		Dynamic		BW, 2015a
FFS-2	221663	3524699	498317	3082.11	12/2/14		489.05	Dynamic	2593.06	Sierrita
FFS-2	221663	3524699	498317	3082.11	12/2/14	488.38		Dynamic		BW, 2015a
FFS-2	221663	3524699	498317	3082.11	1/4/15		489.95	Dynamic	2592.16	Sierrita
FFS-2	221663	3524699	498317	3082.11	3/3/15		491.92	Dynamic	2590.19	Sierrita
FFS-2	221663	3524699	498317	3082.11	4/9/15		491.90	Dynamic	2590.21	Sierrita
FFS-2	221663	3524699	498317	3082.11	5/2/15		492.10	Dynamic	2590.01	Sierrita
FFS-2	221663	3524699	498317	3082.11	6/11/15		491.50	Dynamic	2590.61	Sierrita
FFS-2	221663	3524699	498317	3082.11	7/6/15		493.90	Dynamic	2588.21	Sierrita
FFS-2	221663	3524699	498317	3082.11	8/18/15		496.50	Dynamic	2585.61	Sierrita
FFS-2	221663	3524699	498317	3082.11	11/4/15		499.60	Dynamic	2582.51	Sierrita
FFS-2	221663	3524699	498317	3082.11	12/9/15		502.00	Dynamic	2580.11	Sierrita
FFS-2	221663	3524699	498317	3082.11	1/12/16		500.65	Dynamic	2581.46	Sierrita
FFS-2	221663	3524699	498317	3082.11	2/11/16		499.90	Dynamic	2582.21	BW
FFS-2	221663	3524699	498317	3082.11	3/4/16		502.45	Dynamic	2579.66	BW

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	498317	3082.11	4/29/16		504.00	Dynamic	2578.11	Sierrita
FFS-2	221663	3524699	498317	3082.11	10/5/16		506.40	Dynamic	2575.71	BW
FFS-2	221663	3524699	498317	3082.11	4/17/17		505.74	Dynamic	2576.37	Sierrita
FFS-2	221663	3524699	498317	3082.11	7/20/17		505.60	Dynamic	2576.51	BW
FFS-2	221663	3524699	498317	3082.11	10/25/17		505.50	Dynamic	2576.61	BW
FFS-2	221663	3524699	498317	3082.11	5/22/18		505.45	Dynamic	2576.66	BW
FFS-3	221664	3525306	498351	3083.90	4/20/13	461.90		Static		BW, 2015a
FFS-3	221664	3525306	498351	3083.90	4/20/13	532.50		Dynamic		BW, 2015a
FFS-3	221664	3525306	498351	3083.90	1/15/14	497.29		Dynamic		BW, 2015a
FFS-3	221664	3525306	498351	3083.90	1/15/14		497.29	Dynamic	2586.61	Sierrita
FFS-3	221664	3525306	498351	3083.90	1/22/14	497.31		Dynamic		BW, 2015a
FFS-3	221664	3525306	498351	3083.90	1/22/14		497.31	Dynamic	2586.59	Sierrita
FFS-3	221664	3525306	498351	3083.90	1/28/14	497.98		Dynamic		BW, 2015a
FFS-3	221664	3525306	498351	3083.90	1/29/14		497.98	Dynamic	2585.92	Sierrita
FFS-3	221664	3525306	498351	3083.90	2/5/14	499.18		Dynamic		BW, 2015a
FFS-3	221664	3525306	498351	3083.90	3/13/14		502.16	Dynamic	2581.74	Sierrita
FFS-3	221664	3525306	498351	3083.90	5/14/14		508.87	Dynamic	2575.03	Sierrita
FFS-3	221664	3525306	498351	3083.90	5/30/14	508.87		Dynamic		BW, 2015a
FFS-3	221664	3525306	498351	3083.90	6/9/14		509.68	Dynamic	2574.22	Sierrita
FFS-3	221664	3525306	498351	3083.90	6/9/14	509.68		Dynamic		BW, 2015a
FFS-3	221664	3525306	498351	3083.90	7/6/14		511.70	Dynamic	2572.20	Sierrita
FFS-3	221664	3525306	498351	3083.90	7/6/14	510.70		Dynamic		BW, 2015a
FFS-3	221664	3525306	498351	3083.90	7/31/14		513.10	Dynamic	2570.80	Sierrita
FFS-3	221664	3525306	498351	3083.90	7/31/14	513.10		Dynamic		BW, 2015a
FFS-3	221664	3525306	498351	3083.90	8/27/14		514.25	Dynamic	2569.65	Sierrita
FFS-3	221664	3525306	498351	3083.90	8/27/14	514.25		Dynamic		BW, 2015a
FFS-3	221664	3525306	498351	3083.90	10/1/14		497.80	Static	2586.10	Sierrita
FFS-3	221664	3525306	498351	3083.90	10/1/14	496.80		Static		BW, 2015a
FFS-3	221664	3525306	498351	3083.90	11/4/14		519.50	Dynamic	2564.40	Sierrita
FFS-3	221664	3525306	498351	3083.90	11/4/14	518.50		Dynamic		BW, 2015a
FFS-3	221664	3525306	498351	3083.90	12/2/14		521.35	Dynamic	2562.55	Sierrita
FFS-3	221664	3525306	498351	3083.90	12/2/14	520.35		Dynamic		BW, 2015a
FFS-3	221664	3525306	498351	3083.90	1/4/15		523.10	Dynamic	2560.80	Sierrita
FFS-3	221664	3525306	498351	3083.90	2/4/15		522.10	Dynamic	2561.80	Sierrita
FFS-3	221664	3525306	498351	3083.90	3/3/15		524.05	Dynamic	2559.85	Sierrita
FFS-3	221664	3525306	498351	3083.90	4/9/15		525.40	Dynamic	2558.50	Sierrita
FFS-3	221664	3525306	498351	3083.90	5/2/15		526.95	Dynamic	2556.95	Sierrita
FFS-3	221664	3525306	498351	3083.90	6/11/15		509.50	Static	2574.40	Sierrita
FFS-3	221664	3525306	498351	3083.90	7/6/15		529.40	Dynamic	2554.50	Sierrita
FFS-3	221664	3525306	498351	3083.90	8/18/15		530.00	Dynamic	2553.90	Sierrita
FFS-3	221664	3525306	498351	3083.90	10/7/15		530.70	Dynamic	2553.20	Sierrita
FFS-3	221664	3525306	498351	3083.90	11/4/15		535.70	Dynamic	2548.20	Sierrita
FFS-3	221664	3525306	498351	3083.90	12/9/15		538.30	Dynamic	2545.60	Sierrita
FFS-3	221664	3525306	498351	3083.90	2/11/16		535.40	Dynamic	2548.50	BW
FFS-3	221664	3525306	498351	3083.90	3/4/16		540.22	Dynamic	2543.68	BW
FFS-3	221664	3525306	498351	3083.90	4/8/16		541.65	Dynamic	2542.25	Sierrita
FFS-3	221664	3525306	498351	3083.90	10/5/16		544.45	Dynamic	2539.45	BW
FFS-3	221664	3525306	498351	3083.90	4/17/17		544.30	Dynamic	2539.60	Sierrita
FFS-3	221664	3525306	498351	3083.90	7/20/17		547.00	Dynamic	2536.90	BW
FFS-3	221664	3525306	498351	3083.90	10/25/17		547.00	Dynamic	2536.90	BW
FFS-3	221664	3525306	498351	3083.90	5/22/18		546.90	Dynamic	2537.00	BW
FFS-3	221664	3525306	498351	3083.90	9/25/18		548.25	Dynamic	2535.65	BW
FFS-3	221664	3525306	498351	3083.90	11/26/18		548.20	Dynamic	2535.70	BW
FFS-3	221664	3525306	498351	3083.90	5/7/19		544.80	Dynamic	2539.10	BW
FFS-3	221664	3525306	498351	3083.90	10/8/19		546.60	Dynamic	2537.30	BW
FFS-3	221664	3525306	498351	3083.90	6/5/20		546.90	Dynamic	2537.00	BW
FFS-3	221664	3525306	498351	3083.90	10/30/20		534.65	Static	2549.25	BW
FFS-3	221664	3525306	498351	3083.90	5/22/21		532.60	Static	2551.30	BW
FFS-3	221664	3525306	498351	3083.90	11/20/21		536.85	Static	2547.05	BW
FFS-3	221664	3525306	498351	3083.90	4/23/22		632.85	Dynamic	2451.05	BW
FFS-3	221664	3525306	498351	3083.90	12/20/22		669.20	Dynamic	2414.70	BW
FFS-4	221665	3525934	498355	3097.92	5/29/13	497.96		Static		BW, 2015a
FFS-4	221665	3525934	498355	3097.92	5/29/13	544.45		Dynamic		BW, 2015a
FFS-4	221665	3525934	498355	3097.92	1/15/14		548.14	Dynamic	2549.78	Sierrita
FFS-4	221665	3525934	498355	3097.92	1/15/14	548.14		Dynamic		BW, 2015a
FFS-4	221665	3525934	498355	3097.92	1/22/14		550.75	Dynamic	2547.17	Sierrita
FFS-4	221665	3525934	498355	3097.92	1/22/14	550.75		Dynamic		BW, 2015a
FFS-4	221665	3525934	498355	3097.92	1/28/14	552.10		Dynamic		BW, 2015a

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3525934	498355	3097.92	1/29/14		552.10	Dynamic	2545.82	Sierrita
FFS-4	221665	3525934	498355	3097.92	2/5/14	554.16		Dynamic		BW, 2015a
FFS-4	221665	3525934	498355	3097.92	3/13/14		559.71	Dynamic	2538.21	Sierrita
FFS-4	221665	3525934	498355	3097.92	5/14/14		570.41	Dynamic	2527.51	Sierrita
FFS-4	221665	3525934	498355	3097.92	5/30/14	570.41		Dynamic		BW, 2015a
FFS-4	221665	3525934	498355	3097.92	6/9/14		572.45	Dynamic	2525.47	Sierrita
FFS-4	221665	3525934	498355	3097.92	6/9/14	572.45		Dynamic		BW, 2015a
FFS-4	221665	3525934	498355	3097.92	7/6/14		576.05	Dynamic	2521.87	Sierrita
FFS-4	221665	3525934	498355	3097.92	7/6/14	574.88		Dynamic		BW, 2015a
FFS-4	221665	3525934	498355	3097.92	7/31/14		578.25	Dynamic	2519.67	Sierrita
FFS-4	221665	3525934	498355	3097.92	7/31/14	578.25		Dynamic		BW, 2015a
FFS-4	221665	3525934	498355	3097.92	8/27/14		580.50	Dynamic	2517.42	Sierrita
FFS-4	221665	3525934	498355	3097.92	8/27/14	580.50		Dynamic		BW, 2015a
FFS-4	221665	3525934	498355	3097.92	10/1/14		529.75	Static	2568.17	Sierrita
FFS-4	221665	3525934	498355	3097.92	10/1/14	528.58		Static		BW, 2015a
FFS-4	221665	3525934	498355	3097.92	11/4/14		595.40	Dynamic	2502.52	Sierrita
FFS-4	221665	3525934	498355	3097.92	11/4/14	594.23		Dynamic		BW, 2015a
FFS-4	221665	3525934	498355	3097.92	12/2/14		602.10	Dynamic	2495.82	Sierrita
FFS-4	221665	3525934	498355	3097.92	12/2/14	600.93		Dynamic		BW, 2015a
FFS-4	221665	3525934	498355	3097.92	1/4/15		608.90	Dynamic	2489.02	Sierrita
FFS-4	221665	3525934	498355	3097.92	3/3/15		622.65	Dynamic	2475.27	Sierrita
FFS-4	221665	3525934	498355	3097.92	4/9/15		661.30	Dynamic	2436.62	Sierrita
FFS-4	221665	3525934	498355	3097.92	5/2/15		668.25	Dynamic	2429.67	Sierrita
FFS-4	221665	3525934	498355	3097.92	6/11/15		541.42	Static	2556.50	Sierrita
FFS-4	221665	3525934	498355	3097.92	7/6/15		541.73	Static	2556.19	Sierrita
FFS-4	221665	3525934	498355	3097.92	8/18/15		696.60	Dynamic	2401.32	Sierrita
FFS-4	221665	3525934	498355	3097.92	10/7/15		694.80	Dynamic	2403.12	Sierrita
FFS-4	221665	3525934	498355	3097.92	11/4/15		697.00	Dynamic	2400.92	Sierrita
FFS-4	221665	3525934	498355	3097.92	12/9/15		698.85	Dynamic	2399.07	Sierrita
FFS-4	221665	3525934	498355	3097.92	2/11/16		696.38	Dynamic	2401.54	BW
FFS-4	221665	3525934	498355	3097.92	3/4/16		693.48	Dynamic	2404.44	BW
FFS-4	221665	3525934	498355	3097.92	4/8/16		693.95	Dynamic	2403.97	Sierrita
FFS-4	221665	3525934	498355	3097.92	10/5/16		692.75	Dynamic	2405.17	BW
FFS-4	221665	3525934	498355	3097.92	4/17/17		694.50	Dynamic	2403.42	Sierrita
FFS-4	221665	3525934	498355	3097.92	7/20/17		692.00	Dynamic	2405.92	BW
FFS-4	221665	3525934	498355	3097.92	10/25/17		690.45	Dynamic	2407.47	BW
FFS-4	221665	3525934	498355	3097.92	5/22/18		231.10	Static	2866.82	BW
FFS-4	221665	3525934	498355	3097.92	5/22/21		770.70	Dynamic	2327.22	BW
FFS-4	221665	3525934	498355	3097.92	11/20/21		565.50	Static	2532.42	BW
FFS-5	221666	3526764	498337	3107.73	1/28/13	555.55		Dynamic		BW, 2015a
FFS-5	221666	3526764	498337	3107.73	1/28/13	522.49		Static		BW, 2015a
FFS-5	221666	3526764	498337	3107.73	5/13/14		554.32	Dynamic	2553.41	Sierrita
FFS-5	221666	3526764	498337	3107.73	5/15/14		554.32	Dynamic	2553.41	Sierrita
FFS-5	221666	3526764	498337	3107.73	5/15/14	554.32		Dynamic		BW, 2015a
FFS-5	221666	3526764	498337	3107.73	5/22/14		563.67	Dynamic	2544.06	Sierrita
FFS-5	221666	3526764	498337	3107.73	5/22/14	563.67		Dynamic		BW, 2015a
FFS-5	221666	3526764	498337	3107.73	6/9/14		565.20	Dynamic	2542.53	Sierrita
FFS-5	221666	3526764	498337	3107.73	6/9/14	565.20		Dynamic		BW, 2015a
FFS-5	221666	3526764	498337	3107.73	7/6/14		566.80	Dynamic	2540.93	Sierrita
FFS-5	221666	3526764	498337	3107.73	7/6/14	565.80		Dynamic		BW, 2015a
FFS-5	221666	3526764	498337	3107.73	7/31/14		568.60	Dynamic	2539.13	Sierrita
FFS-5	221666	3526764	498337	3107.73	7/31/14	568.60		Dynamic		BW, 2015a
FFS-5	221666	3526764	498337	3107.73	8/27/14		569.80	Dynamic	2537.93	Sierrita
FFS-5	221666	3526764	498337	3107.73	8/27/14	569.80		Dynamic		BW, 2015a
FFS-5	221666	3526764	498337	3107.73	10/1/14		554.18	Static	2553.55	Sierrita
FFS-5	221666	3526764	498337	3107.73	10/1/14	553.18		Static		BW, 2015a
FFS-5	221666	3526764	498337	3107.73	11/4/14		575.55	Dynamic	2532.18	Sierrita
FFS-5	221666	3526764	498337	3107.73	11/4/14	574.55		Dynamic		BW, 2015a
FFS-5	221666	3526764	498337	3107.73	12/2/14		577.65	Dynamic	2530.08	Sierrita
FFS-5	221666	3526764	498337	3107.73	12/2/14	576.65		Dynamic		BW, 2015a
FFS-5	221666	3526764	498337	3107.73	1/4/15		579.20	Dynamic	2528.53	Sierrita
FFS-5	221666	3526764	498337	3107.73	3/3/15		581.00	Dynamic	2526.73	Sierrita
FFS-5	221666	3526764	498337	3107.73	4/9/15		582.55	Dynamic	2525.18	Sierrita
FFS-5	221666	3526764	498337	3107.73	5/2/15		584.00	Dynamic	2523.73	Sierrita
FFS-5	221666	3526764	498337	3107.73	6/11/15		567.15	Static	2540.58	Sierrita
FFS-5	221666	3526764	498337	3107.73	7/6/15		566.90	Static	2540.83	Sierrita
FFS-5	221666	3526764	498337	3107.73	8/18/15		588.00	Dynamic	2519.73	Sierrita
FFS-5	221666	3526764	498337	3107.73	10/7/15		589.35	Dynamic	2518.38	Sierrita



## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3526764	498337	3107.73	11/4/15		590.10	Dynamic	2517.63	Sierrita
FFS-5	221666	3526764	498337	3107.73	12/9/15		591.40	Dynamic	2516.33	Sierrita
FFS-5	221666	3526764	498337	3107.73	1/12/16		591.58	Dynamic	2516.15	Sierrita
FFS-5	221666	3526764	498337	3107.73	2/11/16		592.80	Dynamic	2514.93	BW
FFS-5	221666	3526764	498337	3107.73	3/4/16		593.15	Dynamic	2514.58	BW
FFS-5	221666	3526764	498337	3107.73	4/8/16		594.05	Dynamic	2513.68	Sierrita
FFS-5	221666	3526764	498337	3107.73	10/5/16		596.99	Dynamic	2510.74	BW
FFS-5	221666	3526764	498337	3107.73	4/17/17		596.60	Dynamic	2511.13	Sierrita
FFS-5	221666	3526764	498337	3107.73	7/20/17		597.10	Dynamic	2510.63	BW
FFS-5	221666	3526764	498337	3107.73	10/25/17		597.06	Dynamic	2510.67	BW
FFS-5	221666	3526764	498337	3107.73	5/22/18		585.01	Static	2522.72	BW
FFS-5	221666	3526764	498337	3107.73	5/7/19		585.45	Static	2522.28	BW
FFS-5	221666	3526764	498337	3107.73	6/5/20		586.50	Static	2521.23	BW
FFS-5	221666	3526764	498337	3107.73	5/22/21		637.00	Dynamic	2470.73	BW
FFS-5	221666	3526764	498337	3107.73	11/20/21		621.20	Dynamic	2486.53	BW
FFS-5	221666	3526764	498337	3107.73	4/23/22		593.80	Static	2513.93	BW
FFS-5	221666	3526764	498337	3107.73	12/20/22		641.50	Dynamic	2466.23	BW
FFS-6	221667	3527243	498328	3110.44	12/17/12	535.30		Static		BW, 2015a
FFS-6	221667	3527243	498328	3110.44	12/17/12	549.40		Dynamic		BW, 2015a
FFS-6	221667	3527243	498328	3110.44	1/15/14	550.79		Dynamic		BW, 2015a
FFS-6	221667	3527243	498328	3110.44	1/15/14		539.28	Dynamic	2571.16	Sierrita
FFS-6	221667	3527243	498328	3110.44	1/22/14		552.04	Dynamic	2558.40	Sierrita
FFS-6	221667	3527243	498328	3110.44	1/22/14	552.04		Dynamic		BW, 2015a
FFS-6	221667	3527243	498328	3110.44	1/28/14	547.78		Dynamic		BW, 2015a
FFS-6	221667	3527243	498328	3110.44	1/29/14		547.78	Dynamic	2562.66	Sierrita
FFS-6	221667	3527243	498328	3110.44	2/5/14	554.68		Dynamic		BW, 2015a
FFS-6	221667	3527243	498328	3110.44	3/12/14		559.21	Dynamic	2551.23	Sierrita
FFS-6	221667	3527243	498328	3110.44	5/13/14		566.06	Dynamic	2544.38	Sierrita
FFS-6	221667	3527243	498328	3110.44	5/30/14	566.06		Dynamic		BW, 2015a
FFS-6	221667	3527243	498328	3110.44	6/9/14		567.10	Dynamic	2543.34	Sierrita
FFS-6	221667	3527243	498328	3110.44	6/9/14	567.10		Dynamic		BW, 2015a
FFS-6	221667	3527243	498328	3110.44	7/6/14		569.00	Dynamic	2541.44	Sierrita
FFS-6	221667	3527243	498328	3110.44	7/6/14	568.04		Dynamic		BW, 2015a
FFS-6	221667	3527243	498328	3110.44	7/31/14		571.10	Dynamic	2539.34	Sierrita
FFS-6	221667	3527243	498328	3110.44	7/31/14	571.10		Dynamic		BW, 2015a
FFS-6	221667	3527243	498328	3110.44	8/27/14		572.90	Dynamic	2537.54	Sierrita
FFS-6	221667	3527243	498328	3110.44	8/27/14	572.90		Dynamic		BW, 2015a
FFS-6	221667	3527243	498328	3110.44	10/1/14		564.20	Static	2546.24	Sierrita
FFS-6	221667	3527243	498328	3110.44	10/1/14	563.24		Static		BW, 2015a
FFS-6	221667	3527243	498328	3110.44	11/4/14		577.80	Dynamic	2532.64	Sierrita
FFS-6	221667	3527243	498328	3110.44	11/4/14	576.84		Dynamic		BW, 2015a
FFS-6	221667	3527243	498328	3110.44	12/2/14	578.62		Dynamic		BW, 2015a
FFS-6	221667	3527243	498328	3110.44	1/4/15		581.40	Dynamic	2529.04	Sierrita
FFS-6	221667	3527243	498328	3110.44	2/4/15		582.15	Dynamic	2528.29	Sierrita
FFS-6	221667	3527243	498328	3110.44	3/3/15		583.40	Dynamic	2527.04	Sierrita
FFS-6	221667	3527243	498328	3110.44	4/9/15		584.75	Dynamic	2525.69	Sierrita
FFS-6	221667	3527243	498328	3110.44	5/2/15		585.70	Dynamic	2524.74	Sierrita
FFS-6	221667	3527243	498328	3110.44	7/6/15		587.75	Dynamic	2522.69	Sierrita
FFS-6	221667	3527243	498328	3110.44	8/18/15		588.94	Dynamic	2521.50	Sierrita
FFS-6	221667	3527243	498328	3110.44	10/7/15		590.60	Dynamic	2519.84	Sierrita
FFS-6	221667	3527243	498328	3110.44	11/4/15		588.95	Dynamic	2521.49	Sierrita
FFS-6	221667	3527243	498328	3110.44	12/9/15		592.80	Dynamic	2517.64	Sierrita
FFS-6	221667	3527243	498328	3110.44	1/12/16		593.30	Dynamic	2517.14	Sierrita
FFS-6	221667	3527243	498328	3110.44	2/11/16		594.60	Dynamic	2515.84	BW
FFS-6	221667	3527243	498328	3110.44	3/4/16		594.85	Dynamic	2515.59	BW
FFS-6	221667	3527243	498328	3110.44	4/8/16		596.10	Dynamic	2514.34	Sierrita
FFS-6	221667	3527243	498328	3110.44	10/5/16		600.45	Dynamic	2509.99	BW
FFS-6	221667	3527243	498328	3110.44	4/17/17		603.10	Dynamic	2507.34	Sierrita
FFS-6	221667	3527243	498328	3110.44	7/20/17		594.25	Static	2516.19	BW
FFS-6	221667	3527243	498328	3110.44	11/8/17		594.79	Static	2515.65	Sierrita
FFS-6	221667	3527243	498328	3110.44	5/22/21		604.75	Static	2505.69	BW
FFS-6	221667	3527243	498328	3110.44	4/23/22		668.20	Dynamic	2442.24	BW
FICO C-4	624010	3525384	501760	2836.19	6/19/15		262.70	Dynamic	2573.49	Sierrita
FICO C-4	624010	3525384	501760	2836.19	4/28/16		235.80	Static	2600.39	Sierrita
FICO C-4	624010	3525384	501760	2836.19	12/8/16		251.14	Static	2585.05	Sierrita
FICO C-4	624010	3525384	501760	2836.19	5/24/17		237.22	Static	2598.97	Sierrita
FICO C-4	624010	3525384	501760	2836.19	11/17/17		239.72	Static	2596.47	Sierrita
FICO C-4	624010	3525384	501760	2836.19	5/22/19		286.11	Dynamic	2550.08	Sierrita

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
FICO C-4	624010	3525384	501760	2836.19	12/18/19		241.00	Static	2595.19	Sierrita
FICO C-4	624010	3525384	501760	2836.19	6/17/20		249.20	Dynamic	2586.99	Sierrita
FICO C-4	624010	3525384	501760	2836.19	12/8/20		243.60	Static	2592.59	Sierrita
FICO C-4	624010	3525384	501760	2836.19	6/10/21		252.35	Static	2583.84	Sierrita
FICO C-4	624010	3525384	501760	2836.19	12/9/21		243.98	Static	2592.21	Sierrita
FICO C-4	624010	3525384	501760	2836.19	6/14/22		257.00	Static	2579.19	Sierrita
FICO C-4	624010	3525384	501760	2836.19	12/12/22		246.11	Static	2590.08	Sierrita
FICO E-6	624013	3525169	502425	2841.16	6/19/15		259.31	Dynamic	2581.85	Sierrita
FICO E-6	624013	3525169	502425	2841.16	11/24/15		232.65	Static	2608.51	Sierrita
FICO E-6	624013	3525169	502425	2841.16	4/28/16		260.00	Dynamic	2581.16	Sierrita
FICO E-6	624013	3525169	502425	2841.16	12/8/16		255.31	Dynamic	2585.85	Sierrita
FICO E-6	624013	3525169	502425	2841.16	5/24/17		264.53	Dynamic	2576.63	Sierrita
FICO E-6	624013	3525169	502425	2841.16	11/17/17		235.00	Static	2606.16	Sierrita
FICO E-6A	233205	3525179	502445	2838.44	6/1/21		273.62	Static	2564.82	Sierrita
FICO E-6A	233205	3525179	502445	2838.44	12/9/21		259.68	Static	2578.76	Sierrita
FICO E-6A	233205	3525179	502445	2838.44	6/14/22		393.40	Dynamic	2445.04	Sierrita
FICO E-6A	233205	3525179	502445	2838.44	12/12/22		263.45	Static	2574.99	Sierrita
FICO E-8	624015	3526347	502585	2828	6/15/17		240.80	Static	2587.20	Sierrita
FICO E-8	624015	3526347	502585	2828	12/6/17		238.50	Static	2589.50	Sierrita
FICO E-8	624015	3526347	502585	2828	6/8/18		243.41	Static	2584.59	Sierrita
FICO E-8	624015	3526347	502585	2828	11/29/18		241.50	Static	2586.50	Sierrita
FICO E-9	624016	3521260	500875	2888	12/29/16		174.60	Static	2713.40	Sierrita
FICO E-9	624016	3521260	500875	2888	6/15/17		177.70	Static	2710.30	Sierrita
FICO E-9	624016	3521260	500875	2888	12/6/17		174.60	Static	2713.40	Sierrita
FICO E-9	624016	3521260	500875	2888	6/8/18		174.79	Static	2713.21	Sierrita
FICO E-9	624016	3521260	500875	2888	11/29/18		174.57	Static	2713.43	Sierrita
FICO E-9	624016	3521260	500875	2888	6/10/21		180.12	Static	2707.88	Sierrita
FICO S-25	NR	3533425	502939	2748	12/29/16		145.92	Static	2602.08	Sierrita
FICO S-25	NR	3533425	502939	2748	6/15/17		146.85	Static	2601.15	Sierrita
FICO S-25	NR	3533425	502939	2748	12/6/17		146.57	Static	2601.43	Sierrita
FICO S-25	NR	3533425	502939	2748	6/8/18		146.58	Static	2601.42	Sierrita
FICO S-25	NR	3533425	502939	2748	11/29/18		144.85	Static	2603.15	Sierrita
FICO S-25	NR	3533425	502939	2748	6/10/21		146.16	Static	2601.84	Sierrita
FICO S-25A	623985	3533341	502982	2748	12/29/16		166.35	Static	2581.65	Sierrita
FICO S-25A	623985	3533341	502982	2748	6/15/17		188.00	Dynamic	2560.00	Sierrita
FICO S-25A	623985	3533341	502982	2748	12/6/17		189.00	Static	2559.00	Sierrita
FICO S-25A	623985	3533341	502982	2748	11/29/18		251.40	Static	2496.60	Sierrita
FICO W-9	624024	3524133	501269	2851	6/15/17		225.25	Static	2625.75	Sierrita
FICO W-9	624024	3524133	501269	2851	12/6/17		221.52	Static	2629.48	Sierrita
FICO W-9	624024	3524133	501269	2851	6/8/18		226.65	Static	2624.35	Sierrita
FICO W-9	624024	3524133	501269	2851	11/29/18		223.65	Static	2627.35	Sierrita
FICO W-9	624024	3524133	501269	2851	6/10/21		234.60	Static	2616.40	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	1/9/07		221.00		2721.35	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	4/10/07		218.11		2724.24	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	8/6/07		231.00		2711.35	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	1/7/08		221.50		2720.85	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	4/16/08		225.50		2716.85	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	7/7/08		231.00		2711.35	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	11/25/08		228.00		2714.35	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	3/3/09		220.50		2721.85	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	7/29/09		201.9		2740.45	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	11/4/09		232.80		2709.55	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	1/27/10		224.80		2717.55	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	4/1/10		227.12		2715.23	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	10/14/10		233.00		2709.35	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	3/18/11		224.00		2718.35	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	4/28/11		231.00		2711.35	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	12/7/11		233.20		2709.15	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	3/14/12		234.25		2708.10	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	6/7/12		242.28		2700.07	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	8/29/12		231.00		2711.35	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	11/15/12		239.00		2703.35	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	1/29/13		238.61		2703.74	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	5/16/13		254.09		2688.26	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	7/11/13		248.19		2694.16	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	7/21/14		229.00		2713.35	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	10/14/14		257.60	Static	2684.75	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	1/12/15		255.60	Static	2686.75	Sierrita

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Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bis)	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
GV-01-GVDWID	603428	3522254	499813	2942.35	7/22/15		261.03	Static	2681.32	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	10/21/15		354.60	Dynamic	2587.75	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	1/19/16		257.60	Static	2684.75	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	4/20/16		260.50	Static	2681.85	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	8/24/16		352.10	Dynamic	2590.25	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	11/3/16		261.00	Static	2681.35	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	1/19/17		257.00	Static	2685.35	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	5/15/17		258.25	Static	2684.10	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	7/13/17		264.20	Static	2678.15	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	10/25/17		267.43	Static	2674.92	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	2/13/18		255.82	Static	2686.53	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	8/15/18		265.42	Static	2676.93	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	11/28/18		259.31	Static	2683.04	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	3/7/19		255.00	Static	2687.35	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	4/25/19		262.35	Static	2680.00	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	7/30/19		265.21	Static	2677.14	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	11/5/19		298.60	Static	2643.75	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	1/20/20		257.75	Static	2684.60	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	5/14/20		264.50	Static	2677.85	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	8/13/20		269.91	Static	2672.44	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	11/11/20		277.45	Static	2664.90	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	2/25/21		263.50	Static	2678.85	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	4/8/21		269.22	Static	2673.13	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	11/5/21		269.40	Static	2672.95	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	5/17/22		272.97	Static	2669.38	Sierrita
GV-01-GVDWID	603428	3522254	499813	2942.35	11/17/22		269.53	Static	2672.82	Sierrita
GV-01-PCWW	509603	3529925	502868	2789.65	4/2/15		176.50	Static	2613.15	Sierrita
GV-01-PCWW	509603	3529925	502868	2789.65	10/20/15		176.70	Static	2612.95	Sierrita
GV-01-PCWW	509603	3529925	502868	2789.65	4/21/16		176.60	Static	2613.05	Sierrita
GV-01-PCWW	509603	3529925	502868	2789.65	10/20/16		176.40	Static	2613.25	Sierrita
GV-01-PCWW	509603	3529925	502868	2789.65	4/20/17		176.85	Static	2612.80	Sierrita
GV-01-PCWW	509603	3529925	502868	2789.65	10/18/17		176.55	Static	2613.10	Sierrita
GV-01-PCWW	509603	3529925	502868	2789.65	4/19/18		176.60	Static	2613.05	Sierrita
GV-01-PCWW	509603	3529925	502868	2789.65	10/3/18		177.00	Static	2612.65	Sierrita
GV-01-PCWW	509603	3529925	502868	2789.65	4/18/19		176.50	Static	2613.15	Sierrita
GV-01-PCWW	509603	3529925	502868	2789.65	5/28/20		177.70	Static	2611.95	Sierrita
GV-01-PCWW	509603	3529925	502868	2789.65	10/29/20		178.10	Static	2611.55	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	1/9/07		185.30		2745.17	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	4/10/07		187.10		2743.37	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	7/11/07		200.45		2730.02	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	10/3/07		199.33		2731.14	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	1/7/08		190.62		2739.85	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	4/16/08		194.95		2735.52	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	7/7/08		201.05		2729.42	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	11/25/08		199.58		2730.89	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	2/4/09		192.88		2737.59	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	7/29/09		231.9		2698.57	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	11/4/09		203.50		2726.97	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	1/27/10		195.15		2735.32	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	4/1/10		197.10		2733.37	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	7/28/10		202.76		2727.71	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	10/14/10		204.55		2725.92	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	1/20/11		198.88		2731.59	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	4/28/11		204.77		2725.70	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	7/20/11		206.14		2724.33	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	12/7/11		204.43		2726.04	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	3/14/12		204.35		2726.12	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	6/7/12		211.76		2718.71	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	8/29/12		219.00		2711.47	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	11/15/12		214.51		2715.96	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	1/29/13		209.49		2720.98	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	5/16/13		219.48		2710.99	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	7/11/13		220.75		2709.72	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	1/10/14		221.29		2709.18	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	10/14/14		229.70	Static	2700.77	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	1/12/15		221.90	Static	2708.57	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	4/15/15		223.10	Static	2707.37	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	10/21/15		229.80	Static	2700.67	Sierrita

## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	499786	2930.47	4/20/16		233.00	Static	2697.47	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	8/24/16		246.00	Static	2684.47	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	11/3/16		254.00	Static	2676.47	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	1/19/17		248.00	Static	2682.47	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	5/15/17		248.00	Static	2682.47	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	7/13/17		248.00	Static	2682.47	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	10/25/17		248.00	Static	2682.47	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	2/13/18		219.80	Static	2710.67	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	8/15/18		228.42	Static	2702.05	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	11/28/18		223.90	Static	2706.57	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	3/7/19		218.75	Static	2711.72	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	4/25/19		224.07	Static	2706.40	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	7/30/19		231.02	Static	2699.45	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	11/5/19		225.00	Static	2705.47	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	1/20/20		218.30	Static	2712.17	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	5/14/20		243.30	Dynamic	2687.17	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	8/13/20		230.70	Static	2699.77	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	11/11/20		230.44	Static	2700.03	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	2/25/21		225.00	Static	2705.47	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	4/8/21		229.70	Static	2700.77	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	8/1/21		229.40	Static	2701.07	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	11/5/21		232.55	Static	2697.92	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	2/17/22		226.30	Static	2704.17	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	5/17/22		235.10	Static	2695.37	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	9/15/22		232.55	Static	2697.92	Sierrita
GV-02-GVDWID	603429	3521654	499786	2930.47	11/17/22		231.04	Static	2699.43	Sierrita
GV-02-GVDWID	603429	3521654	499786	2775.42	1/30/23		226.80	Static	2703.67	Sierrita
GV-02-PCWW	509604	3530220	502679	2775.42	4/2/15		164.30	Static	2611.12	Sierrita
GV-02-PCWW	509604	3530220	502679	2775.42	10/20/15		164.20	Static	2611.22	Sierrita
GV-02-PCWW	509604	3530220	502679	2775.42	4/21/16		164.10	Static	2611.32	Sierrita
GV-02-PCWW	509604	3530220	502679	2775.42	10/20/16		164.10	Static	2611.32	Sierrita
GV-02-PCWW	509604	3530220	502679	2775.42	5/8/17		165.80	Static	2609.62	Sierrita
GV-02-PCWW	509604	3530220	502679	2775.42	10/18/17		164.20	Static	2611.22	Sierrita
GV-02-PCWW	509604	3530220	502679	2775.42	4/30/18		164.20	Static	2611.22	Sierrita
GV-02-PCWW	509604	3530220	502679	2775.42	10/3/18		164.70	Static	2610.72	Sierrita
GV-02-PCWW	509604	3530220	502679	2775.42	4/18/19		164.20	Static	2611.22	Sierrita
GV-02-PCWW	509604	3530220	502679	2775.42	5/28/20		176.20	Static	2599.22	Sierrita
GV-02-PCWW	509604	3530220	502679	2775.42	10/29/20		165.40	Static	2610.02	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	1/9/07		237.50		2805.15	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	4/10/07		238.55		2804.10	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	8/6/07		240.31		2802.34	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	10/3/07		244.40		2798.25	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	1/7/08		237.75		2804.90	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	4/16/08		247.55		2795.10	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	8/14/08		245.50		2797.15	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	11/6/08		246.00		2796.65	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	2/4/09		247.46		2795.19	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	4/1/10		247.60		2795.05	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	4/28/11		257.00		2785.65	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	6/20/12		257.92		2784.73	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	5/16/13		267.53		2775.12	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	4/15/15		274.38		2768.27	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	10/21/15		269.46		2773.19	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	4/20/16		277.00		2765.65	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	11/3/16		267.00		2775.65	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	5/31/17		276.80		2765.85	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	10/25/17		263.85		2778.80	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	11/28/18		261.40		2781.25	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	4/25/19		263.50		2779.15	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	11/15/19		387.20	Dynamic	2655.45	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	5/14/20		389.10	Dynamic	2653.55	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	11/11/20		265.20	Static	2777.45	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	4/8/21		266.10	Static	2776.55	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	11/5/21		268.80	Static	2773.85	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	5/17/22		266.00	Static	2776.65	Sierrita
GV-SI-GVDWID	208825	3519510	497227	3042.65	11/17/22		264.50	Static	2778.15	Sierrita
HAVEN GOLF	515867	3526386	501651	ND	5/29/12		220.00		NA	Sierrita
I-10	608525	3528470	497798	3210.58	1/15/07		655.89		2554.69	Sierrita



## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3528470	497798	3210.58	4/16/07		630.00		2580.58	Sierrita
I-10	608525	3528470	497798	3210.58	7/10/07		656.00		2554.58	Sierrita
I-10	608525	3528470	497798	3210.58	1/8/08		659.58		2551.00	Sierrita
I-10	608525	3528470	497798	3210.58	4/14/08		658.80		2551.78	Sierrita
I-10	608525	3528470	497798	3210.58	7/21/08		657.10		2553.48	Sierrita
I-10	608525	3528470	497798	3210.58	10/24/08		660.82		2549.76	Sierrita
I-10	608525	3528470	497798	3210.58	5/12/09		660.80		2549.78	Sierrita
I-10	608525	3528470	497798	3210.58	6/15/12		662.39		2548.19	Sierrita
I-10	608525	3528470	497798	3210.58	6/11/13		661.26		2549.32	Sierrita
I-10	608525	3528470	497798	3210.58	4/30/14		668.91	Dynamic	2541.67	Sierrita
I-10	608525	3528470	497798	3210.58	9/11/14		670.20		2540.38	Sierrita
I-10	608525	3528470	497798	3210.58	5/14/15		687.57	Static	2523.01	Sierrita
I-10	608525	3528470	497798	3210.58	11/18/15		695.41	Static	2515.17	Sierrita
I-10	608525	3528470	497798	3210.58	6/23/16		699.03	Static	2511.55	Sierrita
I-10	608525	3528470	497798	3210.58	12/8/16		702.30	Static	2508.28	Sierrita
I-10	608525	3528470	497798	3210.58	5/17/17		704.70	Static	2505.88	Sierrita
I-10	608525	3528470	497798	3210.58	11/9/17		710.50	Static	2500.08	Sierrita
I-12	608523	3528579	498111	3328.76	5/22/19		827.12	Static	2501.64	Sierrita
I-12	608523	3528579	498111	3328.76	6/9/20		837.34	Static	2491.42	Sierrita
I-12	608523	3528579	498111	3328.76	11/16/20		840.28	Static	2488.48	Sierrita
I-12	608523	3528579	498111	3328.76	6/1/21		839.39	Static	2489.37	Sierrita
I-12	608523	3528579	498111	3328.76	12/7/21		841.18	Static	2487.58	Sierrita
I-12	608523	3528579	498111	3328.76	5/23/22		841.30	Static	2487.46	Sierrita
I-12	608523	3528579	498111	3328.76	10/18/22		835.05	Static	2493.71	Sierrita
IW-1	623129	3521278	496906	3144.69	1/14/06	379.80		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	2/20/06	380.29		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	3/14/06	379.27		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	4/15/06	379.95		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	5/14/06	383.00		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	6/10/06	383.60		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	7/16/06	382.53		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	8/13/06	383.30		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	9/16/06	382.20		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	10/21/06	381.32		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	11/11/06	383.80		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	12/16/06		360.95		2783.74	Sierrita
IW-1	623129	3521278	496906	3144.69	12/16/06	360.95		Static		BW, 2015a
IW-1	623129	3521278	496906	3144.69	1/25/07	385.10		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	2/24/07		386.70		2757.99	Sierrita
IW-1	623129	3521278	496906	3144.69	2/24/07	386.70		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	3/17/07	388.20		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	4/24/07	390.55		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	5/30/07	391.70		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	6/26/07	394.05		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	8/29/07	402.50		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	10/19/07		399.90		2744.79	Sierrita
IW-1	623129	3521278	496906	3144.69	11/29/07	402.45		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	1/29/08		400.45		2744.24	Sierrita
IW-1	623129	3521278	496906	3144.69	1/29/08	400.45		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	2/29/08	400.25		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	3/31/08	398.00		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	5/7/08		398.90		2745.79	Sierrita
IW-1	623129	3521278	496906	3144.69	5/27/08	402.00		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	6/30/08	405.35		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	7/29/08		405.85		2738.84	Sierrita
IW-1	623129	3521278	496906	3144.69	7/29/08	405.85		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	8/29/08	404.00		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	9/29/08	404.44		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	10/24/08		404.80		2739.89	Sierrita
IW-1	623129	3521278	496906	3144.69	10/24/08	404.08		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	1/21/09		400		2744.69	Sierrita
IW-1	623129	3521278	496906	3144.69	3/10/09	370.50		Static		BW, 2015a
IW-1	623129	3521278	496906	3144.69	5/13/09		370.50		2774.19	Sierrita
IW-1	623129	3521278	496906	3144.69	5/13/09	397.50		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	12/15/09	396.40		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	4/12/10		394.45		2750.24	Sierrita
IW-1	623129	3521278	496906	3144.69	3/9/11	370.98		Static		BW, 2015a
IW-1	623129	3521278	496906	3144.69	4/15/11	370.92		Static		BW, 2015a

## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3521278	496906	3144.69	5/11/11		392.80		2751.89	Sierrita
IW-1	623129	3521278	496906	3144.69	5/11/11	392.90		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	6/27/11	391.25		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	7/12/11	372.75		Static		BW, 2015a
IW-1	623129	3521278	496906	3144.69	8/23/11	369.54		Static		BW, 2015a
IW-1	623129	3521278	496906	3144.69	12/29/11	439.80		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	1/26/12	440.54		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	2/28/12	369.94		Static		BW, 2015a
IW-1	623129	3521278	496906	3144.69	3/30/12	438.73		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	5/21/12		438.48		2706.21	Sierrita
IW-1	623129	3521278	496906	3144.69	5/21/12	438.48		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	6/27/12	380.00		Static		BW, 2015a
IW-1	623129	3521278	496906	3144.69	7/31/12	431.11		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	8/21/12	379.84		Static		BW, 2015a
IW-1	623129	3521278	496906	3144.69	9/28/12	442.81		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	10/25/12	382.39		Static		BW, 2015a
IW-1	623129	3521278	496906	3144.69	11/28/12	442.71		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	4/15/13		439.81	Dynamic	2704.88	Sierrita
IW-1	623129	3521278	496906	3144.69	6/24/13	384.67		Static		BW, 2015a
IW-1	623129	3521278	496906	3144.69	7/31/13	443.70		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	8/1/13	384.56		Static		BW, 2015a
IW-1	623129	3521278	496906	3144.69	9/30/13	444.16		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	10/31/13	391.01		Static		BW, 2015a
IW-1	623129	3521278	496906	3144.69	11/28/13	472.29		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	12/9/13	391.38		Static		BW, 2015a
IW-1	623129	3521278	496906	3144.69	1/28/14	461.65		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	1/28/14		461.65	Dynamic	2683.04	Sierrita
IW-1	623129	3521278	496906	3144.69	2/24/14	392.49		Static		BW, 2015a
IW-1	623129	3521278	496906	3144.69	2/24/14		392.49	Dynamic	2752.20	Sierrita
IW-1	623129	3521278	496906	3144.69	3/25/14		393.89	Dynamic	2750.80	Sierrita
IW-1	623129	3521278	496906	3144.69	3/31/14	393.89		Static		BW, 2015a
IW-1	623129	3521278	496906	3144.69	6/5/14		445.60	Dynamic	2699.09	Sierrita
IW-1	623129	3521278	496906	3144.69	6/5/14	445.60		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	7/6/14		387.90	Dynamic	2756.79	Sierrita
IW-1	623129	3521278	496906	3144.69	7/6/14	387.19		Static		BW, 2015a
IW-1	623129	3521278	496906	3144.69	7/31/14		441.90	Dynamic	2702.79	Sierrita
IW-1	623129	3521278	496906	3144.69	7/31/14	441.90		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	8/27/14		383.00	Dynamic	2761.69	Sierrita
IW-1	623129	3521278	496906	3144.69	8/27/14	383.00		Static		BW, 2015a
IW-1	623129	3521278	496906	3144.69	10/1/14		445.50	Dynamic	2699.19	Sierrita
IW-1	623129	3521278	496906	3144.69	10/1/14	444.79		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	11/4/14		443.90	Dynamic	2700.79	Sierrita
IW-1	623129	3521278	496906	3144.69	11/4/14	443.19		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	12/2/14		446.60	Dynamic	2698.09	Sierrita
IW-1	623129	3521278	496906	3144.69	12/2/14	445.89		Dynamic		BW, 2015a
IW-1	623129	3521278	496906	3144.69	4/9/15		443.90	Dynamic	2700.79	Sierrita
IW-1	623129	3521278	496906	3144.69	5/2/15		382.95	Static	2761.74	Sierrita
IW-1	623129	3521278	496906	3144.69	6/11/15		442.50	Dynamic	2702.19	Sierrita
IW-1	623129	3521278	496906	3144.69	7/8/15		442.15	Dynamic	2702.54	Sierrita
IW-1	623129	3521278	496906	3144.69	10/7/15		444.25	Dynamic	2700.44	Sierrita
IW-1	623129	3521278	496906	3144.69	11/4/15		444.15	Dynamic	2700.54	Sierrita
IW-1	623129	3521278	496906	3144.69	12/9/15		391.10	Static	2753.59	Sierrita
IW-1	623129	3521278	496906	3144.69	1/12/16		449.05	Dynamic	2695.64	Sierrita
IW-1	623129	3521278	496906	3144.69	2/11/16		385.30	Static	2759.39	BW
IW-1	623129	3521278	496906	3144.69	3/4/16		440.20	Dynamic	2704.49	BW
IW-1	623129	3521278	496906	3144.69	4/29/16		441.70	Dynamic	2702.99	Sierrita
IW-1	623129	3521278	496906	3144.69	10/5/16		437.30	Dynamic	2707.39	BW
IW-1	623129	3521278	496906	3144.69	4/20/17		434.20	Dynamic	2710.49	Sierrita
IW-1	623129	3521278	496906	3144.69	7/20/17		381.25	Static	2763.44	BW
IW-1	623129	3521278	496906	3144.69	10/25/17		429.65	Dynamic	2715.04	BW
IW-1	623129	3521278	496906	3144.69	5/22/18		364.55	Static	2780.14	BW
IW-1	623129	3521278	496906	3144.69	9/25/18		442.50	Dynamic	2702.19	BW
IW-1	623129	3521278	496906	3144.69	11/26/18		385.10	Static	2759.59	BW
IW-1	623129	3521278	496906	3144.69	5/7/19		378.90	Static	2765.79	BW
IW-1	623129	3521278	496906	3144.69	10/8/19		462.20	Dynamic	2682.49	BW
IW-1	623129	3521278	496906	3144.69	6/5/20		474.65	Dynamic	2670.04	BW
IW-1	623129	3521278	496906	3144.69	10/30/20		467.25	Dynamic	2677.44	BW
IW-1	623129	3521278	496906	3144.69	5/22/21		467.70	Dynamic	2676.99	BW

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3521278	496906	3144.69	11/20/21		444.80	Dynamic	2699.89	BW
IW-1	623129	3521278	496906	3144.69	4/23/22		444.70	Dynamic	2699.99	BW
IW-1	623129	3521278	496906	3144.69	12/20/22		467.50	Dynamic	2677.19	BW
IW-2	623130	3521361	497485	3098.29	12/16/06		404.30		2693.99	Sierrita
IW-2	623130	3521361	497485	3098.29	2/24/07		406.80		2691.49	Sierrita
IW-2	623130	3521361	497485	3098.29	5/4/07		344.00		2754.29	Sierrita
IW-2	623130	3521361	497485	3098.29	7/31/07		381.00		2717.29	Sierrita
IW-2A	216464	3521338	497469	3112.28	2/5/08	392.32		Dynamic		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	2/5/08	351.52		Static		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	3/31/08	412.80		Dynamic		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	4/25/08		412.90		2699.38	Sierrita
IW-2A	216464	3521338	497469	3112.28	4/30/08	412.90		Dynamic		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	3/10/09	358.20		Static		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	5/13/09		358.80		2753.48	Sierrita
IW-2A	216464	3521338	497469	3112.28	4/12/10		410.18		2702.10	Sierrita
IW-2A	216464	3521338	497469	3112.28	3/9/11	396.82		Dynamic		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	4/15/11	358.88		Static		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	5/11/11		394.91		2717.37	Sierrita
IW-2A	216464	3521338	497469	3112.28	5/11/11	394.91		Dynamic		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	6/27/11	395.50		Dynamic		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	7/12/11	361.00		Static		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	8/23/11	398.38		Dynamic		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	12/29/11	404.13		Dynamic		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	1/26/12	404.22		Dynamic		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	2/28/12	365.63		Static		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	5/21/12		404.32		2707.96	Sierrita
IW-2A	216464	3521338	497469	3112.28	5/21/12	404.32		Dynamic		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	8/21/12	369.52		Static		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	9/28/12	417.08		Dynamic		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	10/25/12	374.18		Static		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	11/28/12	423.40		Dynamic		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	4/15/13		370.91	Dynamic	2741.37	Sierrita
IW-2A	216464	3521338	497469	3112.28	6/24/13	376.98		Static		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	7/31/13	424.16		Dynamic		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	8/1/13	376.86		Static		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	9/30/13	424.21		Dynamic		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	10/31/13	383.28		Static		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	11/28/13	425.78		Dynamic		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	12/9/13	382.12		Static		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	1/28/14	439.64		Dynamic		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	1/28/14		439.64	Dynamic	2672.64	Sierrita
IW-2A	216464	3521338	497469	3112.28	2/24/14		384.22	Dynamic	2728.06	Sierrita
IW-2A	216464	3521338	497469	3112.28	2/24/14	384.22		Static		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	3/25/14		440.29	Dynamic	2671.99	Sierrita
IW-2A	216464	3521338	497469	3112.28	3/31/14	440.29		Dynamic		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	4/25/14		384.28	Dynamic	2728.00	Sierrita
IW-2A	216464	3521338	497469	3112.28	5/30/14		440.37	Dynamic	2671.91	Sierrita
IW-2A	216464	3521338	497469	3112.28	5/30/14	440.37		Dynamic		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	6/9/14		429.35	Dynamic	2682.93	Sierrita
IW-2A	216464	3521338	497469	3112.28	6/9/14	429.35		Dynamic		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	7/6/14		379.90	Dynamic	2732.38	Sierrita
IW-2A	216464	3521338	497469	3112.28	7/6/14	379.44		Static		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	7/31/14		423.50	Dynamic	2688.78	Sierrita
IW-2A	216464	3521338	497469	3112.28	7/31/14	423.50		Dynamic		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	8/27/14		377.70	Dynamic	2734.58	Sierrita
IW-2A	216464	3521338	497469	3112.28	8/27/14	377.70		Static		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	10/1/14		377.60	Dynamic	2734.68	Sierrita
IW-2A	216464	3521338	497469	3112.28	10/1/14	377.14		Static		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	11/4/14		420.10	Dynamic	2692.18	Sierrita
IW-2A	216464	3521338	497469	3112.28	11/4/14	419.64		Dynamic		BW, 2015a
IW-2A	216464	3521338	497469	3112.28	12/2/14		422.20	Dynamic	2690.08	Sierrita
IW-2A	216464	3521338	497469	3112.28	4/9/15		412.00	Dynamic	2700.28	Sierrita
IW-2A	216464	3521338	497469	3112.28	5/2/15		413.80	Dynamic	2698.48	Sierrita
IW-2A	216464	3521338	497469	3112.28	6/11/15		410.00	Dynamic	2702.28	Sierrita
IW-2A	216464	3521338	497469	3112.28	7/8/15		412.50	Dynamic	2699.78	Sierrita
IW-2A	216464	3521338	497469	3112.28	10/7/15		411.90	Dynamic	2700.38	Sierrita
IW-2A	216464	3521338	497469	3112.28	11/4/15		408.90	Dynamic	2703.38	Sierrita
IW-2A	216464	3521338	497469	3112.28	12/9/15		380.90	Static	2731.38	Sierrita

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Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3521338	497469	3112.28	1/12/16		408.50	Dynamic	2703.78	Sierrita
IW-2A	216464	3521338	497469	3112.28	2/11/16		375.30	Static	2736.98	BW
IW-2A	216464	3521338	497469	3112.28	3/4/16		414.30	Dynamic	2697.98	BW
IW-2A	216464	3521338	497469	3112.28	4/29/16		397.20	Dynamic	2715.08	Sierrita
IW-2A	216464	3521338	497469	3112.28	10/5/16		424.30	Dynamic	2687.98	BW
IW-2A	216464	3521338	497469	3112.28	4/19/17		365.33	Static	2746.95	Sierrita
IW-2A	216464	3521338	497469	3112.28	7/20/17		366.85	Static	2745.43	BW
IW-2A	216464	3521338	497469	3112.28	10/25/17		357.50	Static	2754.78	BW
IW-2A	216464	3521338	497469	3112.28	5/22/18		411.50	Dynamic	2700.78	BW
IW-2A	216464	3521338	497469	3112.28	9/25/18		404.80	Dynamic	2707.48	BW
IW-2A	216464	3521338	497469	3112.28	11/26/18		370.10	Static	2742.18	BW
IW-2A	216464	3521338	497469	3112.28	5/7/19		370.20	Static	2742.08	BW
IW-2A	216464	3521338	497469	3112.28	10/8/19		374.00	Static	2738.28	BW
IW-2A	216464	3521338	497469	3112.28	6/5/20		404.90	Dynamic	2707.38	BW
IW-2A	216464	3521338	497469	3112.28	10/30/20		397.80	Dynamic	2714.48	BW
IW-2A	216464	3521338	497469	3112.28	5/22/21		399.80	Dynamic	2712.48	BW
IW-2A	216464	3521338	497469	3112.28	11/20/21		400.40	Dynamic	2711.88	BW
IW-2A	216464	3521338	497469	3112.28	4/23/22		396.50	Dynamic	2715.78	BW
IW-2A	216464	3521338	497469	3112.28	12/20/22		398.90	Dynamic	2713.38	BW
IW-3A	201732	3521724	497380	3121.45	1/14/06	410.83		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	2/20/06	408.25		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	3/14/06	410.00		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	4/15/06	401.60		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	5/14/06	391.75		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	6/10/06	385.50		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	7/16/06	379.42		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	8/13/06	369.11		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	10/21/06	432.25		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	11/11/06	431.80		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	12/5/06		431.80		2689.65	Sierrita
IW-3A	201732	3521724	497380	3121.45	1/25/07	431.00		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	2/24/07	440.00		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	3/17/07	440.60		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	4/24/07	439.30		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	5/30/07	436.22		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	6/26/07	436.00		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	7/31/07		381.50		2739.95	Sierrita
IW-3A	201732	3521724	497380	3121.45	8/29/07	430.20		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	10/19/07		427.80		2693.65	Sierrita
IW-3A	201732	3521724	497380	3121.45	11/29/07	427.40		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	1/29/08		425.60		2695.85	Sierrita
IW-3A	201732	3521724	497380	3121.45	1/29/08	425.60		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	2/29/08	423.80		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	4/25/08		421.30		2700.15	Sierrita
IW-3A	201732	3521724	497380	3121.45	4/30/08	421.30		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	6/30/08	425.20		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	7/29/08		420.90		2700.55	Sierrita
IW-3A	201732	3521724	497380	3121.45	7/29/08	420.90		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	8/29/08	413.90		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	9/29/08	414.22		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	10/24/08		141.50		2979.95	Sierrita
IW-3A	201732	3521724	497380	3121.45	10/24/08	414.50		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	5/13/09	413.30		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	12/15/09	410.00		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	4/12/10		420.23		2701.22	Sierrita
IW-3A	201732	3521724	497380	3121.45	3/9/11	402.95		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	4/15/11	378.58		Static		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	5/11/11		413.40		2708.05	Sierrita
IW-3A	201732	3521724	497380	3121.45	5/11/11	413.40		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	6/27/11	415.70		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	7/12/11	377.59		Static		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	8/23/11	416.08		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	12/29/11	419.50		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	1/26/12	419.34		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	2/28/12	381.70		Static		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	3/30/12	409.57		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	6/20/12		401.37		2720.08	Sierrita
IW-3A	201732	3521724	497380	3121.45	6/27/12	383.95		Static		BW, 2015a



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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3521724	497380	3121.45	7/31/12	429.81		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	8/21/12	388.48		Static		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	9/28/12	449.48		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	10/25/12	394.88		Static		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	11/28/12	450.08		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	5/14/13		449.56	Dynamic	2671.89	Sierrita
IW-3A	201732	3521724	497380	3121.45	6/24/13	398.14		Static		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	7/31/13	451.92		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	8/1/13	397.74		Static		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	9/30/13	452.32		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	10/30/13	410.79		Static		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	11/28/13	453.60		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	12/9/13	409.38		Static		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	1/28/14		455.66	Dynamic	2665.79	Sierrita
IW-3A	201732	3521724	497380	3121.45	1/28/14	455.66		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	2/24/14	408.59		Static		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	2/24/14		408.59	Static	2712.86	Sierrita
IW-3A	201732	3521724	497380	3121.45	3/25/14		454.96	Dynamic	2666.49	Sierrita
IW-3A	201732	3521724	497380	3121.45	3/31/14	454.96		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	4/25/14		403.99	Dynamic	2717.46	Sierrita
IW-3A	201732	3521724	497380	3121.45	5/30/14		454.72	Dynamic	2666.73	Sierrita
IW-3A	201732	3521724	497380	3121.45	5/30/14	454.72		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	6/9/14		446.10	Dynamic	2675.35	Sierrita
IW-3A	201732	3521724	497380	3121.45	6/9/14	446.10		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	7/6/14		398.60	Static	2722.85	Sierrita
IW-3A	201732	3521724	497380	3121.45	7/6/14	397.89		Static		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	7/31/14		441.40	Dynamic	2680.05	Sierrita
IW-3A	201732	3521724	497380	3121.45	7/31/14	441.40		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	8/27/14		394.90	Static	2726.55	Sierrita
IW-3A	201732	3521724	497380	3121.45	8/27/14	394.90		Static		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	10/1/14		451.05	Dynamic	2670.40	Sierrita
IW-3A	201732	3521724	497380	3121.45	10/1/14	450.34		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	11/4/14		442.75	Dynamic	2678.70	Sierrita
IW-3A	201732	3521724	497380	3121.45	11/4/14	442.04		Dynamic		BW, 2015a
IW-3A	201732	3521724	497380	3121.45	12/2/14		446.10	Dynamic	2675.35	Sierrita
IW-3A	201732	3521724	497380	3121.45	4/9/15		440.60	Dynamic	2680.85	Sierrita
IW-3A	201732	3521724	497380	3121.45	5/2/15		444.80	Dynamic	2676.65	Sierrita
IW-3A	201732	3521724	497380	3121.45	6/11/15		441.00	Dynamic	2680.45	Sierrita
IW-3A	201732	3521724	497380	3121.45	7/8/15		444.20	Dynamic	2677.25	Sierrita
IW-3A	201732	3521724	497380	3121.45	10/7/15		444.65	Dynamic	2676.80	Sierrita
IW-3A	201732	3521724	497380	3121.45	11/4/15		442.65	Dynamic	2678.80	Sierrita
IW-3A	201732	3521724	497380	3121.45	12/9/15		402.55	Static	2718.90	Sierrita
IW-3A	201732	3521724	497380	3121.45	1/12/16		435.90	Dynamic	2685.55	Sierrita
IW-3A	201732	3521724	497380	3121.45	2/11/16		387.50	Static	2733.95	BW
IW-3A	201732	3521724	497380	3121.45	3/4/16		381.95	Static	2739.50	BW
IW-3A	201732	3521724	497380	3121.45	4/29/16		372.45	Static	2749.00	Sierrita
IW-3A	201732	3521724	497380	3121.45	10/5/16		367.25	Static	2754.20	BW
IW-3A	201732	3521724	497380	3121.45	4/20/17		472.08	Dynamic	2649.37	Sierrita
IW-3A	201732	3521724	497380	3121.45	10/25/17		374.90	Static	2746.55	BW
IW-3A	201732	3521724	497380	3121.45	5/22/18		378.30	Static	2743.15	BW
IW-3A	201732	3521724	497380	3121.45	9/25/18		458.20	Dynamic	2663.25	BW
IW-3A	201732	3521724	497380	3121.45	11/26/18		388.80	Static	2732.65	BW
IW-3A	201732	3521724	497380	3121.45	5/7/19		386.25	Static	2735.20	BW
IW-3A	201732	3521724	497380	3121.45	10/8/19		470.20	Dynamic	2651.25	BW
IW-3A	201732	3521724	497380	3121.45	6/5/20		472.40	Dynamic	2649.05	BW
IW-3A	201732	3521724	497380	3121.45	10/30/20		472.45	Dynamic	2649.00	BW
IW-3A	201732	3521724	497380	3121.45	5/22/21		479.70	Dynamic	2641.75	BW
IW-3A	201732	3521724	497380	3121.45	11/20/21		396.90	Static	2724.55	BW
IW-3A	201732	3521724	497380	3121.45	4/23/22		396.60	Static	2724.85	BW
IW-3A	201732	3521724	497380	3121.45	12/20/22		479.70	Dynamic	2641.75	BW
IW-4	623132	3522466	497372	3137.06	1/14/06	495.10		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	2/20/06	419.27		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	3/14/06	385.75		Static		BW, 2015a
IW-4	623132	3522466	497372	3137.06	4/15/06	424.75		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	5/14/06	419.70		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	6/10/06	420.36		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	7/16/06	422.05		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	8/13/06	420.30		Dynamic		BW, 2015a

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3522466	497372	3137.06	9/16/06	417.30		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	10/21/06	415.75		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	11/10/06	417.25		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	12/16/06	416.20		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	1/17/07	379.65		Static		BW, 2015a
IW-4	623132	3522466	497372	3137.06	2/24/07		417.70		2719.36	Sierrita
IW-4	623132	3522466	497372	3137.06	2/24/07	417.70		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	3/19/07	417.80		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	4/24/07	422.50		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	5/29/07	423.55		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	6/26/07	424.30		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	7/21/07		425.30		2711.76	Sierrita
IW-4	623132	3522466	497372	3137.06	7/21/07	425.30		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	8/29/07	427.50		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	10/19/07		428.90		2708.16	Sierrita
IW-4	623132	3522466	497372	3137.06	11/28/07	434.05		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	1/19/08		433.70		2703.36	Sierrita
IW-4	623132	3522466	497372	3137.06	1/29/08	433.70		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	2/29/08	437.50		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	4/21/08		441.90		2695.16	Sierrita
IW-4	623132	3522466	497372	3137.06	4/30/08	441.90		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	7/29/08		409.22		2727.84	Sierrita
IW-4	623132	3522466	497372	3137.06	7/29/08	409.22		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	8/29/08	448.50		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	9/29/08	449.75		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	10/24/08		452.10		2684.96	Sierrita
IW-4	623132	3522466	497372	3137.06	10/24/08	452.10		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	1/21/09		453		2684.06	Sierrita
IW-4	623132	3522466	497372	3137.06	3/10/09	383.20		Static		BW, 2015a
IW-4	623132	3522466	497372	3137.06	5/13/09		383.20		2753.86	Sierrita
IW-4	623132	3522466	497372	3137.06	5/13/09	455.50		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	10/21/09	421.50				BW, 2015a
IW-4	623132	3522466	497372	3137.06	12/15/09	419.00		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	4/12/10		420.70		2716.36	Sierrita
IW-4	623132	3522466	497372	3137.06	3/10/11	426.33		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	4/15/11	377.11		Static		BW, 2015a
IW-4	623132	3522466	497372	3137.06	5/11/11		414.25		2722.81	Sierrita
IW-4	623132	3522466	497372	3137.06	5/11/11	414.25		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	6/27/11	409.23		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	7/12/11	379.00		Static		BW, 2015a
IW-4	623132	3522466	497372	3137.06	8/23/11	406.05		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	12/29/11	407.19		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	1/26/12	409.42		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	2/28/12	381.88		Static		BW, 2015a
IW-4	623132	3522466	497372	3137.06	3/30/12	408.98		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	5/21/12		402.19		2734.87	Sierrita
IW-4	623132	3522466	497372	3137.06	5/21/12	402.19		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	6/27/12	386.94		Static		BW, 2015a
IW-4	623132	3522466	497372	3137.06	8/21/12	388.60		Static		BW, 2015a
IW-4	623132	3522466	497372	3137.06	9/28/12	403.20		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	10/25/12	388.42		Static		BW, 2015a
IW-4	623132	3522466	497372	3137.06	11/28/12	408.98		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	4/15/13		402.34		2734.72	Sierrita
IW-4	623132	3522466	497372	3137.06	6/24/13	390.86		Static		BW, 2015a
IW-4	623132	3522466	497372	3137.06	7/31/13	411.10		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	8/1/13	390.61		Static		BW, 2015a
IW-4	623132	3522466	497372	3137.06	9/30/13	410.90		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	10/30/13	394.62		Static		BW, 2015a
IW-4	623132	3522466	497372	3137.06	11/28/13	414.08		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	12/9/13	393.74		Static		BW, 2015a
IW-4	623132	3522466	497372	3137.06	1/28/14		410.69		2726.37	Sierrita
IW-4	623132	3522466	497372	3137.06	1/28/14	410.69		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	2/24/14		393.32		2743.74	Sierrita
IW-4	623132	3522466	497372	3137.06	2/24/14	393.32		Static		BW, 2015a
IW-4	623132	3522466	497372	3137.06	3/25/14		410.27		2726.79	Sierrita
IW-4	623132	3522466	497372	3137.06	3/31/14	410.27		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	4/25/14		390.98		2746.08	Sierrita
IW-4	623132	3522466	497372	3137.06	5/30/14		410.30		2726.76	Sierrita

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Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3522466	497372	3137.06	5/30/14	410.30		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	6/9/14		408.10	Dynamic	2728.96	Sierrita
IW-4	623132	3522466	497372	3137.06	6/9/14	408.10		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	7/6/14		388.15	Static	2748.91	Sierrita
IW-4	623132	3522466	497372	3137.06	7/6/14	387.44		Static		BW, 2015a
IW-4	623132	3522466	497372	3137.06	7/31/14		427.20	Dynamic	2709.86	Sierrita
IW-4	623132	3522466	497372	3137.06	7/31/14	427.20		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	8/27/14		388.20	Static	2748.86	Sierrita
IW-4	623132	3522466	497372	3137.06	8/27/14	388.20		Static		BW, 2015a
IW-4	623132	3522466	497372	3137.06	10/1/14					Sierrita
IW-4	623132	3522466	497372	3137.06	11/4/14		426.05	Dynamic	2711.01	Sierrita
IW-4	623132	3522466	497372	3137.06	11/4/14	425.34		Dynamic		BW, 2015a
IW-4	623132	3522466	497372	3137.06	12/2/14		424.10	Dynamic	2712.96	Sierrita
IW-4	623132	3522466	497372	3137.06	4/9/15		385.05	Static	2752.01	Sierrita
IW-4	623132	3522466	497372	3137.06	5/2/15		388.90	Static	2748.16	Sierrita
IW-4	623132	3522466	497372	3137.06	6/11/15		422.10	Dynamic	2714.96	Sierrita
IW-4	623132	3522466	497372	3137.06	7/8/15		390.88	Static	2746.18	Sierrita
IW-4	623132	3522466	497372	3137.06	11/4/15		392.20	Static	2744.86	Sierrita
IW-4	623132	3522466	497372	3137.06	12/9/15		391.00	Static	2746.06	Sierrita
IW-4	623132	3522466	497372	3137.06	1/12/16		430.30	Dynamic	2706.76	Sierrita
IW-4	623132	3522466	497372	3137.06	2/11/16		385.90	Static	2751.16	BW
IW-4	623132	3522466	497372	3137.06	3/4/16		419.10	Dynamic	2717.96	BW
IW-4	623132	3522466	497372	3137.06	4/29/16		380.50	Static	2756.56	Sierrita
IW-4	623132	3522466	497372	3137.06	10/5/16		377.00	Static	2760.06	BW
IW-4	623132	3522466	497372	3137.06	4/19/17		374.60	Static	2762.46	Sierrita
IW-4	623132	3522466	497372	3137.06	7/20/17		378.00	Static	2759.06	BW
IW-4	623132	3522466	497372	3137.06	10/25/17		369.60	Static	2767.46	BW
IW-4	623132	3522466	497372	3137.06	5/22/18		372.10	Static	2764.96	BW
IW-4	623132	3522466	497372	3137.06	9/25/18		440.20	Dynamic	2696.86	BW
IW-4	623132	3522466	497372	3137.06	11/26/18		374.95	Static	2762.11	BW
IW-4	623132	3522466	497372	3137.06	5/7/19		362.80	Static	2774.26	BW
IW-4	623132	3522466	497372	3137.06	10/8/19		361.10	Static	2775.96	BW
IW-4	623132	3522466	497372	3137.06	6/5/20		365.80	Static	2771.26	BW
IW-4	623132	3522466	497372	3137.06	5/22/21		396.20	Static	2740.86	BW
IW-4	623132	3522466	497372	3137.06	11/20/21		612.75	Dynamic	2524.31	BW
IW-4	623132	3522466	497372	3137.06	4/23/22		594.40	Dynamic	2542.66	BW
IW-4	623132	3522466	497372	3137.06	12/20/22		669.70	Dynamic	2467.36	BW
IW-5	623133	3522815	497370	3137.65	5/13/09		375.90		2761.75	Sierrita
IW-5	623133	3522815	497370	3137.65	4/12/10		430.60		2707.05	Sierrita
IW-5A	219131	3522723	497370	3091.47	8/18/10	413.90		Dynamic		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	8/18/10	377.50		Static		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	4/15/11	377.25		Static		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	6/27/11	416.52		Dynamic		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	7/12/11	379.31		Static		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	8/23/11	383.44		Dynamic		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	12/29/11	421.55		Dynamic		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	1/26/12	421.04		Dynamic		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	2/28/12	380.65		Static		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	3/29/12	426.14		Dynamic		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	5/22/12		468.65		2622.82	Sierrita
IW-5A	219131	3522723	497443	3091.47	5/22/12	468.65		Dynamic		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	7/31/12	452.38		Dynamic		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	8/21/12	388.09		Static		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	10/25/12	389.56		Static		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	11/27/12	512.20		Dynamic		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	4/15/13		514.20	Dynamic	2577.27	Sierrita
IW-5A	219131	3522723	497443	3091.47	6/24/13	388.89		Static		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	7/31/13	514.18		Dynamic		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	8/1/13	388.64		Static		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	9/30/13	514.02		Dynamic		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	10/30/13	392.27		Static		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	11/28/13	516.11		Dynamic		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	12/9/13	390.72		Static		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	1/28/14	531.51		Dynamic		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	1/29/14		531.51	Dynamic	2559.96	Sierrita
IW-5A	219131	3522723	497443	3091.47	2/24/14		390.02	Static	2701.45	Sierrita
IW-5A	219131	3522723	497443	3091.47	2/24/14	390.02		Static		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	4/25/14		389.58	Dynamic	2701.89	Sierrita

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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-5A	219131	3522723	497443	3091.47	5/30/14		511.90	Dynamic	2579.57	Sierrita
IW-5A	219131	3522723	497443	3091.47	5/30/14	511.90		Dynamic		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	6/9/14		621.00	Dynamic	2470.47	Sierrita
IW-5A	219131	3522723	497443	3091.47	6/9/14	621.00		Dynamic		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	7/6/14		387.80	Static	2703.67	Sierrita
IW-5A	219131	3522723	497443	3091.47	7/6/14	387.30		Static		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	7/31/14		387.30	Static	2704.17	Sierrita
IW-5A	219131	3522723	497443	3091.47	7/31/14	387.30		Static		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	8/27/14		386.30	Static	2705.17	Sierrita
IW-5A	219131	3522723	497443	3091.47	8/27/14	386.30		Static		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	10/1/14		386.75	Static	2704.72	Sierrita
IW-5A	219131	3522723	497443	3091.47	10/1/14	386.25		Static		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	11/4/14		389.10	Static	2702.37	Sierrita
IW-5A	219131	3522723	497443	3091.47	11/4/14	388.60		Static		BW, 2015a
IW-5A	219131	3522723	497443	3091.47	12/2/14		389.80	Static	2701.67	Sierrita
IW-5A	219131	3522723	497443	3091.47	4/9/15		388.75	Static	2702.72	Sierrita
IW-5A	219131	3522723	497443	3091.47	5/2/15		390.00	Static	2701.47	Sierrita
IW-5A	219131	3522723	497443	3091.47	6/11/15		390.05	Static	2701.42	Sierrita
IW-5A	219131	3522723	497443	3091.47	7/8/15		391.80	Static	2699.67	Sierrita
IW-5A	219131	3522723	497443	3091.47	10/7/15		392.05	Static	2699.42	Sierrita
IW-5A	219131	3522723	497443	3091.47	11/4/15		391.20	Static	2700.27	Sierrita
IW-5A	219131	3522723	497443	3091.47	12/9/15		392.80	Static	2698.67	Sierrita
IW-5A	219131	3522723	497443	3091.47	1/12/16		392.65	Static	2698.82	Sierrita
IW-5A	219131	3522723	497443	3091.47	2/11/16		389.90	Static	2701.57	BW
IW-5A	219131	3522723	497443	3091.47	3/4/16		388.12	Static	2703.35	BW
IW-5A	219131	3522723	497443	3091.47	4/29/16		386.30	Static	2705.17	Sierrita
IW-5A	219131	3522723	497443	3091.47	10/5/16		381.03	Static	2710.44	BW
IW-5A	219131	3522723	497443	3091.47	4/19/17		385.85	Static	2705.62	Sierrita
IW-5A	219131	3522723	497443	3091.47	7/20/17		383.75	Static	2707.72	BW
IW-5A	219131	3522723	497443	3091.47	10/25/17		379.55	Static	2711.92	BW
IW-5A	219131	3522723	497443	3091.47	5/22/18		379.60	Static	2711.87	BW
IW-5A	219131	3522723	497443	3091.47	9/25/18		380.75	Static	2710.72	BW
IW-5A	219131	3522723	497443	3091.47	11/26/18		382.50	Static	2708.97	BW
IW-5A	219131	3522723	497443	3091.47	5/7/19		377.30	Static	2714.17	BW
IW-5A	219131	3522723	497443	3091.47	10/8/19		383.80	Static	2707.67	BW
IW-5A	219131	3522723	497443	3091.47	6/5/20		389.90	Static	2701.57	BW
IW-5A	219131	3522723	497443	3091.47	10/30/20		391.90	Static	2699.57	BW
IW-5A	219131	3522723	497443	3091.47	5/22/21		394.60	Static	2696.87	BW
IW-5A	219131	3522723	497443	3091.47	11/20/21		395.60	Static	2695.87	BW
IW-5A	219131	3522723	497443	3091.47	4/23/22		397.97	Static	2693.50	BW
IW-5A	219131	3522723	497443	3091.47	12/20/22		396.32	Static	2695.15	BW
IW-6A	545565	3523709	497381	3132.26	1/14/06	415.90		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	2/20/06	409.20		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	3/14/06	424.68		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	4/15/06	422.90		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	5/14/06	410.09		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	6/10/06	407.04		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	7/16/06	412.00		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	8/13/06	412.98		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	9/16/06	413.80		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	10/20/06	438.70		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	11/11/06	425.00		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	11/15/06		425.00		2707.26	Sierrita
IW-6A	545565	3523709	497381	3132.26	12/16/06	433.30		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	1/29/07	432.60		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	2/24/07		433.60		2698.66	Sierrita
IW-6A	545565	3523709	497381	3132.26	2/24/07	433.60		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	3/17/07	432.90		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	4/24/07	430.33		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	5/29/07	433.00		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	6/22/07	431.75		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	7/31/07		432.28		2699.98	Sierrita
IW-6A	545565	3523709	497381	3132.26	8/29/07	433.90		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	10/17/07		433.35		2698.91	Sierrita
IW-6A	545565	3523709	497381	3132.26	11/29/07	421.90		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	1/29/08		416.90		2715.36	Sierrita
IW-6A	545565	3523709	497381	3132.26	1/29/08	416.90		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	2/29/08	415.85		Dynamic		BW, 2015a



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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3523709	497381	3132.26	4/22/08		415.45		2716.81	Sierrita
IW-6A	545565	3523709	497381	3132.26	4/30/08	415.45		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	7/29/08		416.82		2715.44	Sierrita
IW-6A	545565	3523709	497381	3132.26	7/29/08	416.82		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	8/29/08	418.65		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	9/29/08	419.00		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	10/24/08		419.33		2712.93	Sierrita
IW-6A	545565	3523709	497381	3132.26	10/24/08	419.33		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	1/29/09		418		2714.26	Sierrita
IW-6A	545565	3523709	497381	3132.26	3/10/09	387.30		Static		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	5/13/09		387.30		2744.96	Sierrita
IW-6A	545565	3523709	497381	3132.26	5/13/09	417.00		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	12/15/09	415.20		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	4/12/10		384.70		2747.56	Sierrita
IW-6A	545565	3523709	497381	3132.26	3/9/11	408.45		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	4/15/11	383.52		Static		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	5/11/11		410.61		2721.65	Sierrita
IW-6A	545565	3523709	497381	3132.26	5/11/11	410.61		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	6/29/11	411.24		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	7/12/11	384.23		Static		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	8/23/11	411.45		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	12/29/11	388.75		Static		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	1/26/12	413.41		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	5/22/12		419.75		2712.51	Sierrita
IW-6A	545565	3523709	497381	3132.26	5/22/12	419.75		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	7/31/12	429.91		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	9/26/12	435.34		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	10/25/12	400.84		Static		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	11/27/12	436.72		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	4/15/13		433.21	Dynamic	2699.05	Sierrita
IW-6A	545565	3523709	497381	3132.26	6/24/13	404.24		Static		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	7/31/13	439.11		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	8/1/13	404.22		Static		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	9/30/13	439.14		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	10/29/13	406.02		Static		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	11/28/13	440.29		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	12/9/13	405.19		Static		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	1/28/14	435.64		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	1/28/14		435.59	Dynamic	2696.67	Sierrita
IW-6A	545565	3523709	497381	3132.26	2/24/14		407.02	Static	2725.24	Sierrita
IW-6A	545565	3523709	497381	3132.26	2/24/14	407.02		Static		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	3/24/14		432.16	Dynamic	2700.10	Sierrita
IW-6A	545565	3523709	497381	3132.26	3/31/14	432.16		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	4/25/14		408.39	Dynamic	2723.87	Sierrita
IW-6A	545565	3523709	497381	3132.26	5/30/14		431.90	Dynamic	2700.36	Sierrita
IW-6A	545565	3523709	497381	3132.26	5/30/14	431.90		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	6/9/14		435.40	Dynamic	2696.86	Sierrita
IW-6A	545565	3523709	497381	3132.26	6/9/14	435.40		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	7/7/14		435.40	Dynamic	2696.86	Sierrita
IW-6A	545565	3523709	497381	3132.26	7/7/14	434.98		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	7/31/14		438.80	Dynamic	2693.46	Sierrita
IW-6A	545565	3523709	497381	3132.26	7/31/14	438.80		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	8/27/14		403.40	Static	2728.86	Sierrita
IW-6A	545565	3523709	497381	3132.26	8/27/14	403.40		Static		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	10/1/14		435.70	Dynamic	2696.56	Sierrita
IW-6A	545565	3523709	497381	3132.26	10/1/14	435.28		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	11/4/14		436.00	Dynamic	2696.26	Sierrita
IW-6A	545565	3523709	497381	3132.26	11/4/14	435.58		Dynamic		BW, 2015a
IW-6A	545565	3523709	497381	3132.26	12/2/14		436.00	Dynamic	2696.26	Sierrita
IW-6A	545565	3523709	497381	3132.26	4/9/15		404.30	Static	2727.96	Sierrita
IW-6A	545565	3523709	497381	3132.26	5/2/15		403.80	Static	2728.46	Sierrita
IW-6A	545565	3523709	497381	3132.26	6/11/15		403.80	Static	2728.46	Sierrita
IW-6A	545565	3523709	497381	3132.26	7/18/15		407.30	Static	2724.96	Sierrita
IW-6A	545565	3523709	497381	3132.26	11/4/15		410.60	Static	2721.66	Sierrita
IW-6A	545565	3523709	497381	3132.26	12/9/15		413.30	Static	2718.96	Sierrita
IW-6A	545565	3523709	497381	3132.26	1/12/16		413.80	Static	2718.46	Sierrita
IW-6A	545565	3523709	497381	3132.26	2/11/16		410.60	Static	2721.66	BW
IW-6A	545565	3523709	497381	3132.26	3/4/16		410.10	Static	2722.16	BW

## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3523709	497381	3132.26	4/29/16		409.55	Static	2722.71	Sierrita
IW-6A	545565	3523709	497381	3132.26	10/5/16		406.30	Static	2725.96	BW
IW-6A	545565	3523709	497381	3132.26	4/18/17		412.91	Static	2719.35	Sierrita
IW-6A	545565	3523709	497381	3132.26	7/20/17		410.28	Static	2721.98	BW
IW-6A	545565	3523709	497381	3132.26	10/25/17		405.85	Static	2726.41	BW
IW-6A	545565	3523709	497381	3132.26	5/22/18		401.50	Static	2730.76	BW
IW-6A	545565	3523709	497381	3132.26	9/25/18		400.35	Static	2731.91	BW
IW-6A	545565	3523709	497381	3132.26	11/26/18		401.90	Static	2730.36	BW
IW-6A	545565	3523709	497381	3132.26	5/7/19		398.85	Static	2733.41	BW
IW-6A	545565	3523709	497381	3132.26	10/8/19		410.20	Static	2722.06	BW
IW-6A	545565	3523709	497381	3132.26	6/5/20		417.20	Static	2715.06	BW
IW-6A	545565	3523709	497381	3132.26	10/30/20		419.60	Static	2712.66	BW
IW-6A	545565	3523709	497381	3132.26	5/22/21		426.45	Static	2705.81	BW
IW-6A	545565	3523709	497381	3132.26	11/20/21		428.50	Static	2703.76	BW
IW-6A	545565	3523709	497381	3132.26	4/23/22		432.20	Static	2700.06	BW
IW-6A	545565	3523709	497381	3132.26	12/20/22		434.20	Static	2698.06	BW
IW-8	508236	3522021	497368	3122.19	1/14/06	462.10		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	2/20/06	456.60		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	3/14/06	461.30		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	4/15/06	460.25		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	5/14/06	460.75		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	6/10/06	465.50		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	10/19/06	386.40		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	10/19/06	359.29		Static		BW, 2015a
IW-8	508236	3522021	497368	3122.19	12/16/06	435.88		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	1/19/07	428.30		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	2/24/07		434.05		2688.14	Sierrita
IW-8	508236	3522021	497368	3122.19	2/24/07	434.05		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	3/17/07	437.37		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	4/24/07	444.00		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	5/30/07	440.60		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	6/26/07	442.35		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	7/31/07		438.75		2683.44	Sierrita
IW-8	508236	3522021	497368	3122.19	8/29/07	439.00		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	10/19/07		436.80		2685.39	Sierrita
IW-8	508236	3522021	497368	3122.19	11/29/07	435.00		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	1/29/08		437.25		2684.94	Sierrita
IW-8	508236	3522021	497368	3122.19	1/29/08	437.25		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	2/29/08	436.00		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	3/31/08	455.00		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	4/25/08		436.70		2685.49	Sierrita
IW-8	508236	3522021	497368	3122.19	4/30/08	436.70		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	7/29/08		437.00		2685.19	Sierrita
IW-8	508236	3522021	497368	3122.19	7/29/08	437.00		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	8/29/08	436.35		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	9/29/08	436.50		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	10/24/08		436.92		2685.27	Sierrita
IW-8	508236	3522021	497368	3122.19	10/24/08	436.92		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	1/21/09		439		2683.19	Sierrita
IW-8	508236	3522021	497368	3122.19	3/10/09	377.80		Static		BW, 2015a
IW-8	508236	3522021	497368	3122.19	5/13/09		377.80		2744.39	Sierrita
IW-8	508236	3522021	497368	3122.19	5/13/09	438.00		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	12/15/09	436.70		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	4/12/10		438.36		2683.83	Sierrita
IW-8	508236	3522021	497368	3122.19	3/10/11	435.58		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	4/15/11	374.08		Static		BW, 2015a
IW-8	508236	3522021	497368	3122.19	5/11/11		430.52		2691.67	Sierrita
IW-8	508236	3522021	497368	3122.19	5/11/11	430.52		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	6/27/11	432.55		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	7/12/11	378.15		Static		BW, 2015a
IW-8	508236	3522021	497368	3122.19	8/23/11	434.14		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	12/29/11	435.30		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	1/26/12	437.51		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	2/28/12	381.39		Static		BW, 2015a
IW-8	508236	3522021	497368	3122.19	3/30/12	437.32		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	5/21/12		438.67		2683.52	Sierrita
IW-8	508236	3522021	497368	3122.19	5/21/12	438.69		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	6/27/12	386.50		Static		BW, 2015a

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3522021	497368	3122.19	7/31/12	441.33		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	8/21/12	384.85		Static		BW, 2015a
IW-8	508236	3522021	497368	3122.19	9/28/12	385.39		Static		BW, 2015a
IW-8	508236	3522021	497368	3122.19	10/25/12	385.68		Static		BW, 2015a
IW-8	508236	3522021	497368	3122.19	11/28/12	386.97		Static		BW, 2015a
IW-8	508236	3522021	497368	3122.19	5/14/13		379.15	Dynamic	2743.04	Sierrita
IW-8	508236	3522021	497368	3122.19	6/24/13	388.58		Static		BW, 2015a
IW-8	508236	3522021	497368	3122.19	7/31/13	390.25		Static		BW, 2015a
IW-8	508236	3522021	497368	3122.19	8/1/13	387.34		Static		BW, 2015a
IW-8	508236	3522021	497368	3122.19	9/30/13	391.14		Static		BW, 2015a
IW-8	508236	3522021	497368	3122.19	11/28/13	392.23		Static		BW, 2015a
IW-8	508236	3522021	497368	3122.19	12/9/13	401.69		Static		BW, 2015a
IW-8	508236	3522021	497368	3122.19	1/28/14		466.20	Dynamic	2655.99	Sierrita
IW-8	508236	3522021	497368	3122.19	1/28/14	466.20		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	2/24/14		400.57	Dynamic	2721.62	Sierrita
IW-8	508236	3522021	497368	3122.19	2/24/14	400.57		Static		BW, 2015a
IW-8	508236	3522021	497368	3122.19	3/25/14		392.79	Dynamic	2729.40	Sierrita
IW-8	508236	3522021	497368	3122.19	3/31/14	392.79		Static		BW, 2015a
IW-8	508236	3522021	497368	3122.19	7/6/14		391.10	Dynamic	2731.09	Sierrita
IW-8	508236	3522021	497368	3122.19	7/6/14	390.60		Static		BW, 2015a
IW-8	508236	3522021	497368	3122.19	7/31/14		459.90	Dynamic	2662.29	Sierrita
IW-8	508236	3522021	497368	3122.19	7/31/14	459.90		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	8/27/14		389.20	Static	2732.99	Sierrita
IW-8	508236	3522021	497368	3122.19	8/27/14	389.20		Static		BW, 2015a
IW-8	508236	3522021	497368	3122.19	10/1/14		452.30	Dynamic	2669.89	Sierrita
IW-8	508236	3522021	497368	3122.19	10/1/14	451.80		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	11/4/14		446.40	Dynamic	2675.79	Sierrita
IW-8	508236	3522021	497368	3122.19	11/4/14	445.90		Dynamic		BW, 2015a
IW-8	508236	3522021	497368	3122.19	12/2/14		449.00	Dynamic	2673.19	Sierrita
IW-8	508236	3522021	497368	3122.19	4/9/15		443.55	Dynamic	2678.64	Sierrita
IW-8	508236	3522021	497368	3122.19	5/2/15		446.95	Dynamic	2675.24	Sierrita
IW-8	508236	3522021	497368	3122.19	6/11/15		444.60	Dynamic	2677.59	Sierrita
IW-8	508236	3522021	497368	3122.19	7/8/15		447.78	Dynamic	2674.41	Sierrita
IW-8	508236	3522021	497368	3122.19	10/7/15		443.75	Dynamic	2678.44	Sierrita
IW-8	508236	3522021	497368	3122.19	11/4/15		440.60	Dynamic	2681.59	Sierrita
IW-8	508236	3522021	497368	3122.19	12/9/15		394.80	Static	2727.39	Sierrita
IW-8	508236	3522021	497368	3122.19	1/12/16		446.25	Dynamic	2675.94	Sierrita
IW-8	508236	3522021	497368	3122.19	2/11/16		388.10	Static	2734.09	BW
IW-8	508236	3522021	497368	3122.19	3/4/16		433.75	Dynamic	2688.44	BW
IW-8	508236	3522021	497368	3122.19	4/29/16		431.90	Dynamic	2690.29	Sierrita
IW-8	508236	3522021	497368	3122.19	10/5/16		424.75	Dynamic	2697.44	BW
IW-8	508236	3522021	497368	3122.19	4/19/17		428.40	Dynamic	2693.79	Sierrita
IW-8	508236	3522021	497368	3122.19	10/25/17		419.30	Dynamic	2702.89	BW
IW-8	508236	3522021	497368	3122.19	5/22/18		422.70	Dynamic	2699.49	BW
IW-8	508236	3522021	497368	3122.19	9/25/18		403.60	Dynamic	2718.59	BW
IW-8	508236	3522021	497368	3122.19	11/26/18		383.05	Static	2739.14	BW
IW-8	508236	3522021	497368	3122.19	5/7/19		374.10	Static	2748.09	BW
IW-8	508236	3522021	497368	3122.19	10/8/19		468.80	Dynamic	2653.39	BW
IW-8	508236	3522021	497368	3122.19	6/5/20		387.10	Static	2735.09	BW
IW-8	508236	3522021	497368	3122.19	10/30/20		470.80	Dynamic	2651.39	BW
IW-8	508236	3522021	497368	3122.19	5/22/21		397.90	Static	2724.29	BW
IW-8	508236	3522021	497368	3122.19	11/20/21		472.10	Dynamic	2650.09	BW
IW-8	508236	3522021	497368	3122.19	4/23/22		470.60	Dynamic	2651.59	BW
IW-8	508236	3522021	497368	3122.19	12/20/22		521.85	Dynamic	2600.34	BW
IW-9	508238	3522208	497370	3102.94	1/14/06	450.73		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	2/20/06	438.00		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	3/14/06	465.15		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	4/15/06	437.70		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	5/14/06	423.75		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	6/10/06	425.75		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	7/16/06	409.70		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	8/13/06	408.50		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	9/16/06	403.10		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	10/21/06	400.40		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	11/10/06	402.72		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	11/15/06		402.72		2700.22	Sierrita
IW-9	508238	3522208	497370	3102.94	12/16/06	404.00		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	1/17/07	346.62		Static		BW, 2015a

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IW-9	508238	3522208	497370	3102.94	2/24/07		405.95		2696.99	Sierrita
IW-9	508238	3522208	497370	3102.94	2/24/07	405.95		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	3/19/07	405.90		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	4/24/07	408.00		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	5/29/07	407.60		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	6/26/07	408.35		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	7/21/07		405.68		2697.26	Sierrita
IW-9	508238	3522208	497370	3102.94	7/21/07	405.68		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	8/29/07	398.00		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	10/19/07		379.00		2723.94	Sierrita
IW-9	508238	3522208	497370	3102.94	1/19/08		491.10		2611.84	Sierrita
IW-9	508238	3522208	497370	3102.94	1/29/08	491.10		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	2/29/08	476.20		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	4/21/08		480.80		2622.14	Sierrita
IW-9	508238	3522208	497370	3102.94	4/30/08	480.80		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	7/29/08		473.00		2629.94	Sierrita
IW-9	508238	3522208	497370	3102.94	7/29/08	473.00		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	8/29/08	478.80		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	9/29/08	478.29		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	10/24/08		475.03		2627.91	Sierrita
IW-9	508238	3522208	497370	3102.94	10/24/08	475.03		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	1/21/09		469		2633.94	Sierrita
IW-9	508238	3522208	497370	3102.94	3/10/09	357.20		Static		BW, 2015a
IW-9	508238	3522208	497370	3102.94	5/13/09		357.20		2745.74	Sierrita
IW-9	508238	3522208	497370	3102.94	5/13/09	464.60		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	12/15/09	434.50		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	4/12/10		426.67		2676.27	Sierrita
IW-9	508238	3522208	497370	3102.94	3/9/11	377.51		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	4/15/11	348.92		Static		BW, 2015a
IW-9	508238	3522208	497370	3102.94	5/26/11		503.43		2599.51	Sierrita
IW-9	508238	3522208	497370	3102.94	6/27/11	541.95		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	7/12/11	353.63		Static		BW, 2015a
IW-9	508238	3522208	497370	3102.94	8/23/11	532.85		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	12/29/11	527.68		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	1/26/12	519.52		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	2/28/12	357.62		Static		BW, 2015a
IW-9	508238	3522208	497370	3102.94	3/30/12	498.65		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	5/21/12		518.95		2583.99	Sierrita
IW-9	508238	3522208	497370	3102.94	5/21/12	518.95		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	6/27/12	365.39		Static		BW, 2015a
IW-9	508238	3522208	497370	3102.94	8/21/12	364.63		Static		BW, 2015a
IW-9	508238	3522208	497370	3102.94	9/28/12	517.21		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	10/25/12	365.94		Static		BW, 2015a
IW-9	508238	3522208	497370	3102.94	11/28/12	515.27		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	4/15/13		502.13		2600.81	Sierrita
IW-9	508238	3522208	497370	3102.94	6/24/13	367.33		Static		BW, 2015a
IW-9	508238	3522208	497370	3102.94	7/31/13	517.14		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	8/1/13	366.73		Static		BW, 2015a
IW-9	508238	3522208	497370	3102.94	9/30/13	517.08		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	10/30/13	376.14		Static		BW, 2015a
IW-9	508238	3522208	497370	3102.94	11/28/13	511.24		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	12/9/13	374.47		Static		BW, 2015a
IW-9	508238	3522208	497370	3102.94	1/28/14		483.69		2619.25	Sierrita
IW-9	508238	3522208	497370	3102.94	1/28/14	483.69		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	2/24/14		373.42		2729.52	Sierrita
IW-9	508238	3522208	497370	3102.94	2/24/14	373.42		Static		BW, 2015a
IW-9	508238	3522208	497370	3102.94	3/25/14		455.68		2647.26	Sierrita
IW-9	508238	3522208	497370	3102.94	3/31/14	455.68		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	4/25/14		366.85		2736.09	Sierrita
IW-9	508238	3522208	497370	3102.94	5/30/14		367.02		2735.92	Sierrita
IW-9	508238	3522208	497370	3102.94	5/30/14	367.02		Static		BW, 2015a
IW-9	508238	3522208	497370	3102.94	6/9/14		425.70		2677.24	Sierrita
IW-9	508238	3522208	497370	3102.94	6/9/14	425.70		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	7/6/14		364.20		2738.74	Sierrita
IW-9	508238	3522208	497370	3102.94	7/6/14	363.66		Static		BW, 2015a
IW-9	508238	3522208	497370	3102.94	7/31/14		420.70		2682.24	Sierrita
IW-9	508238	3522208	497370	3102.94	7/31/14	420.70		Dynamic		BW, 2015a
IW-9	508238	3522208	497370	3102.94	8/27/14		362.50		2740.44	Sierrita



## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3522208	497370	3102.94	8/27/14	362.50		Static		BW, 2015a
IW-9	508238	3522208	497370	3102.94	10/1/14		363.03	Dynamic	2739.91	Sierrita
IW-9	508238	3522208	497370	3102.94	10/1/14	362.49		Static		BW, 2015a
IW-9	508238	3522208	497370	3102.94	11/4/14		360.80	Static	2742.14	Sierrita
IW-9	508238	3522208	497370	3102.94	11/4/14	360.26		Static		BW, 2015a
IW-9	508238	3522208	497370	3102.94	12/2/14		362.40	Dynamic	2740.54	Sierrita
IW-9	508238	3522208	497370	3102.94	4/9/15		363.90	Static	2739.04	Sierrita
IW-9	508238	3522208	497370	3102.94	5/2/15		365.45	Static	2737.49	Sierrita
IW-9	508238	3522208	497370	3102.94	6/11/15		365.65	Static	2737.29	Sierrita
IW-9	508238	3522208	497370	3102.94	7/8/15		367.75	Static	2735.19	Sierrita
IW-9	508238	3522208	497370	3102.94	10/7/15		367.10	Static	2735.84	Sierrita
IW-9	508238	3522208	497370	3102.94	11/4/15		365.87	Static	2737.07	Sierrita
IW-9	508238	3522208	497370	3102.94	12/9/15		367.90	Static	2735.04	Sierrita
IW-9	508238	3522208	497370	3102.94	1/12/16		368.92	Static	2734.02	Sierrita
IW-9	508238	3522208	497370	3102.94	2/11/16		364.20	Static	2738.74	BW
IW-9	508238	3522208	497370	3102.94	3/4/16		361.32	Static	2741.62	BW
IW-9	508238	3522208	497370	3102.94	4/29/16		358.88	Static	2744.06	Sierrita
IW-9	508238	3522208	497370	3102.94	10/5/16		353.05	Static	2749.89	BW
IW-9	508238	3522208	497370	3102.94	4/19/17		356.40	Static	2746.54	Sierrita
IW-9	508238	3522208	497370	3102.94	10/25/17		349.95	Static	2752.99	BW
IW-9	508238	3522208	497370	3102.94	5/22/18		541.60	Dynamic	2561.34	BW
IW-9	508238	3522208	497370	3102.94	9/25/18		510.50	Dynamic	2592.44	BW
IW-9	508238	3522208	497370	3102.94	11/26/18		358.80	Static	2744.14	BW
IW-9	508238	3522208	497370	3102.94	5/22/21		545.85	Dynamic	2557.09	BW
IW-9	508238	3522208	497370	3102.94	11/20/21		546.80	Dynamic	2556.14	BW
IW-9	508238	3522208	497370	3102.94	4/23/22		531.40	Dynamic	2571.54	BW
IW-9	508238	3522208	497370	3102.94	12/20/22		523.35	Dynamic	2579.59	BW
IW-10	508237	3523122	497370	3129.64	2/20/06	459.50		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	3/14/06	460.50		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	4/15/06	468.10		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	5/14/06	453.00		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	6/10/06	490.55		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	7/16/06	453.40		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	8/13/06	458.00		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	9/16/06	460.60		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	10/20/06	458.95		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	11/10/06	464.05		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	11/15/06		464.05		2665.59	Sierrita
IW-10	508237	3523122	497370	3129.64	12/16/06	463.21		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	1/17/07	370.70		Static		BW, 2015a
IW-10	508237	3523122	497370	3129.64	2/24/07		463.40		2666.24	Sierrita
IW-10	508237	3523122	497370	3129.64	2/24/07	463.40		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	3/19/07	466.30		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	4/24/07	465.60		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	5/29/07	464.80		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	6/26/07	466.05		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	7/21/07		464.22		2665.42	Sierrita
IW-10	508237	3523122	497370	3129.64	7/21/07	465.70		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	8/29/07	465.00		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	10/18/07		465.25		2664.39	Sierrita
IW-10	508237	3523122	497370	3129.64	11/28/07	466.10		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	1/19/08		465.75		2663.89	Sierrita
IW-10	508237	3523122	497370	3129.64	1/29/08	465.75		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	2/29/08	463.75		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	3/31/08	464.20		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	4/21/08		463.29		2666.35	Sierrita
IW-10	508237	3523122	497370	3129.64	4/30/08	463.29		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	5/27/08	464.00		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	6/30/08	465.35		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	7/29/08		466.11		2663.53	Sierrita
IW-10	508237	3523122	497370	3129.64	7/29/08	466.11		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	8/16/08	352.36		Static		BW, 2015a
IW-10	508237	3523122	497370	3129.64	8/29/08	467.52		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	9/29/08	468.22		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	10/24/08		468.33		2661.31	Sierrita
IW-10	508237	3523122	497370	3129.64	10/24/08	468.33		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	1/21/09		465		2664.64	Sierrita
IW-10	508237	3523122	497370	3129.64	3/10/09	391.20		Static		BW, 2015a

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	497370	3129.64	5/13/09		391.20		2738.44	Sierrita
IW-10	508237	3523122	497370	3129.64	5/13/09	467.00		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	12/15/09	465.00		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	4/12/10		463.16		2666.48	Sierrita
IW-10	508237	3523122	497370	3129.64	3/9/11	457.23		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	4/15/11	385.42		Static		BW, 2015a
IW-10	508237	3523122	497370	3129.64	5/11/11		456.68		2672.96	Sierrita
IW-10	508237	3523122	497370	3129.64	5/11/11	456.68		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	6/27/11	456.74		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	7/12/11	387.19		Static		BW, 2015a
IW-10	508237	3523122	497370	3129.64	8/23/11	457.70		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	12/29/11	465.20		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	1/26/12	460.47		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	2/28/12	389.21		Static		BW, 2015a
IW-10	508237	3523122	497370	3129.64	3/29/12	465.39		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	5/22/12	466.57		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	5/22/12		466.57		2663.07	Sierrita
IW-10	508237	3523122	497370	3129.64	6/27/12	398.46		Static		BW, 2015a
IW-10	508237	3523122	497370	3129.64	8/21/12	408.19		Static		BW, 2015a
IW-10	508237	3523122	497370	3129.64	9/26/12	483.26		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	10/25/12	411.87		Static		BW, 2015a
IW-10	508237	3523122	497370	3129.64	4/15/13		405.06	Dynamic	2724.58	Sierrita
IW-10	508237	3523122	497370	3129.64	6/24/13	413.49		Static		BW, 2015a
IW-10	508237	3523122	497370	3129.64	7/31/13	482.88		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	8/1/13	413.74		Static		BW, 2015a
IW-10	508237	3523122	497370	3129.64	9/30/13	483.33		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	10/30/13	417.82		Static		BW, 2015a
IW-10	508237	3523122	497370	3129.64	11/28/13	484.51		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	12/9/13	414.63		Static		BW, 2015a
IW-10	508237	3523122	497370	3129.64	1/28/14	487.15		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	1/29/14		487.15	Dynamic	2642.49	Sierrita
IW-10	508237	3523122	497370	3129.64	2/24/14	416.79		Static		BW, 2015a
IW-10	508237	3523122	497370	3129.64	2/24/14		416.79	Static	2712.85	Sierrita
IW-10	508237	3523122	497370	3129.64	3/24/14		485.73	Dynamic	2643.91	Sierrita
IW-10	508237	3523122	497370	3129.64	3/31/14	485.73		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	4/25/14		415.32	Dynamic	2714.32	Sierrita
IW-10	508237	3523122	497370	3129.64	5/30/14		485.78	Dynamic	2643.86	Sierrita
IW-10	508237	3523122	497370	3129.64	5/30/14	485.78		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	6/9/14		480.10	Dynamic	2649.54	Sierrita
IW-10	508237	3523122	497370	3129.64	6/9/14	480.10		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	7/6/14		478.30	Dynamic	2651.34	Sierrita
IW-10	508237	3523122	497370	3129.64	7/6/14	477.80		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	7/31/14		472.30	Dynamic	2657.34	Sierrita
IW-10	508237	3523122	497370	3129.64	7/31/14	472.30		Dynamic		BW, 2015a
IW-10	508237	3523122	497370	3129.64	8/27/14					Sierrita
IW-10	508237	3523122	497370	3129.64	4/19/17		465.70	Dynamic	2663.94	Sierrita
IW-10	508237	3523122	497370	3129.64	7/20/17		402.50	Static	2727.14	BW
IW-10	508237	3523122	497370	3129.64	10/25/17		393.90	Static	2735.74	BW
IW-10	508237	3523122	497370	3129.64	5/22/18		389.70	Static	2739.94	BW
IW-10	508237	3523122	497370	3129.64	9/25/18		387.60	Static	2742.04	BW
IW-10	508237	3523122	497370	3129.64	11/26/18		388.80	Static	2740.84	BW
IW-10	508237	3523122	497370	3129.64	5/7/19		383.30	Static	2746.34	BW
IW-10	508237	3523122	497370	3129.64	10/8/19		398.50	Static	2731.14	BW
IW-10	508237	3523122	497370	3129.64	6/5/20		406.20	Static	2723.44	BW
IW-10	508237	3523122	497370	3129.64	5/22/21		515.60	Dynamic	2614.04	BW
IW-10	508237	3523122	497370	3129.64	4/23/22		510.80	Dynamic	2618.84	BW
IW-11	508235	3523429	497371	3127.20	1/14/06	439.25		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	2/20/06	446.40		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	3/14/06	382.25		Static		BW, 2015a
IW-11	508235	3523429	497371	3127.20	4/15/06	385.38		Static		BW, 2015a
IW-11	508235	3523429	497371	3127.20	7/16/06	379.58		Static		BW, 2015a
IW-11	508235	3523429	497371	3127.20	8/13/06	381.30		Static		BW, 2015a
IW-11	508235	3523429	497371	3127.20	9/16/06	429.65		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	10/20/06	427.48		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	11/11/06	429.25		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	11/21/06		429.25		2697.95	Sierrita
IW-11	508235	3523429	497371	3127.20	12/16/06	427.72		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	1/25/07	428.20		Dynamic		BW, 2015a

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3523429	497371	3127.20	2/24/07		428.05		2699.15	Sierrita
IW-11	508235	3523429	497371	3127.20	2/24/07	428.05		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	3/17/07	429.00		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	4/24/07	428.95		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	5/30/07	428.82		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	6/22/07	429.85		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	7/31/07		428.50		2698.70	Sierrita
IW-11	508235	3523429	497371	3127.20	8/29/07	429.80		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	10/17/07		430.00		2697.20	Sierrita
IW-11	508235	3523429	497371	3127.20	11/29/07	429.85		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	1/29/08		430.00		2697.20	Sierrita
IW-11	508235	3523429	497371	3127.20	1/29/08	430.00		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	2/28/08	428.75		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	3/31/08	428.50		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	4/22/08		428.00		2699.20	Sierrita
IW-11	508235	3523429	497371	3127.20	4/30/08	428.00		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	5/27/08	424.80		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	6/30/08	430.55		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	7/29/08		430.90		2696.30	Sierrita
IW-11	508235	3523429	497371	3127.20	7/29/08	430.90		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	8/29/08	431.80		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	9/29/08	432.87		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	10/24/08		433.01		2694.19	Sierrita
IW-11	508235	3523429	497371	3127.20	10/24/08	433.01		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	1/21/09		429		2698.20	Sierrita
IW-11	508235	3523429	497371	3127.20	3/10/09	379.70		Static		BW, 2015a
IW-11	508235	3523429	497371	3127.20	5/13/09		379.70		2747.50	Sierrita
IW-11	508235	3523429	497371	3127.20	5/13/09	429.00		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	12/15/09	424.60		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	4/12/10		421.14		2706.06	Sierrita
IW-11	508235	3523429	497371	3127.20	3/9/11	413.68		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	4/15/11	375.43		Static		BW, 2015a
IW-11	508235	3523429	497371	3127.20	5/11/11		414.21		2712.99	Sierrita
IW-11	508235	3523429	497371	3127.20	5/11/11	414.21		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	6/27/11	411.76		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	8/23/11	450.45		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	12/29/11	452.00		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	1/26/12	449.33		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	3/29/12	451.42		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	5/22/12		439.67		2687.53	Sierrita
IW-11	508235	3523429	497371	3127.20	5/22/12	439.67		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	7/31/12	459.23		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	8/22/12	392.18		Static		BW, 2015a
IW-11	508235	3523429	497371	3127.20	9/26/12	466.43		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	11/25/12	400.03		Static		BW, 2015a
IW-11	508235	3523429	497371	3127.20	11/27/12	467.67		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	4/15/13		463.19	Dynamic	2664.01	Sierrita
IW-11	508235	3523429	497371	3127.20	6/25/13	400.53		Static		BW, 2015a
IW-11	508235	3523429	497371	3127.20	7/31/13	468.40		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	8/1/13	400.57		Static		BW, 2015a
IW-11	508235	3523429	497371	3127.20	9/30/13	468.46		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	10/29/13	405.57		Static		BW, 2015a
IW-11	508235	3523429	497371	3127.20	11/28/13	469.52		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	12/9/13	404.57		Static		BW, 2015a
IW-11	508235	3523429	497371	3127.20	1/28/14	472.74		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	1/29/14		472.74	Dynamic	2654.46	Sierrita
IW-11	508235	3523429	497371	3127.20	2/24/14	404.71		Static		BW, 2015a
IW-11	508235	3523429	497371	3127.20	2/25/14		404.71	Static	2722.49	Sierrita
IW-11	508235	3523429	497371	3127.20	3/24/14		473.94	Dynamic	2653.26	Sierrita
IW-11	508235	3523429	497371	3127.20	3/31/14	473.94		Dynamic		BW, 2015a
IW-11	508235	3523429	497371	3127.20	4/28/14		403.28	Dynamic	2723.92	Sierrita
IW-11	508235	3523429	497371	3127.20	6/9/14		398.70	Static	2728.50	Sierrita
IW-11	508235	3523429	497371	3127.20	6/9/14	398.70		Static		BW, 2015a
IW-11	508235	3523429	497371	3127.20	7/7/14		370.70	Static	2756.50	Sierrita
IW-11	508235	3523429	497371	3127.20	7/7/14	369.95		Static		BW, 2015a
IW-11	508235	3523429	497371	3127.20	7/31/14		360.70	Static	2766.50	Sierrita
IW-11	508235	3523429	497371	3127.20	7/31/14	360.70		Static		BW, 2015a
IW-11	508235	3523429	497371	3127.20	8/27/14		338.50	Static	2788.70	Sierrita

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3523429	497371	3127.20	8/27/14	338.50		Static		BW, 2015a
IW-11	508235	3523429	497371	3127.20	10/1/14		339.20	Static	2788.00	Sierrita
IW-11	508235	3523429	497371	3127.20	10/1/14	338.45		Static		BW, 2015a
IW-11	508235	3523429	497371	3127.20	5/2/15		394.40	Static	2732.80	Sierrita
IW-11	508235	3523429	497371	3127.20	6/11/15		503.10	Dynamic	2624.10	Sierrita
IW-11	508235	3523429	497371	3127.20	7/18/15		405.75	Static	2721.45	Sierrita
IW-11	508235	3523429	497371	3127.20	11/4/15		523.40	Dynamic	2603.80	Sierrita
IW-11	508235	3523429	497371	3127.20	1/12/16		540.70	Dynamic	2586.50	Sierrita
IW-11	508235	3523429	497371	3127.20	2/11/16		533.30	Dynamic	2593.90	BW
IW-11	508235	3523429	497371	3127.20	3/4/16		529.30	Dynamic	2597.90	BW
IW-11	508235	3523429	497371	3127.20	4/29/16		397.80	Static	2729.40	Sierrita
IW-11	508235	3523429	497371	3127.20	10/5/16		398.25	Static	2728.95	BW
IW-11	508235	3523429	497371	3127.20	4/18/17		541.34	Dynamic	2585.86	Sierrita
IW-11	508235	3523429	497371	3127.20	7/20/17		399.72	Static	2727.48	BW
IW-11	508235	3523429	497371	3127.20	10/25/17		507.80	Dynamic	2619.40	BW
IW-11	508235	3523429	497371	3127.20	5/22/18		500.90	Dynamic	2626.30	BW
IW-11	508235	3523429	497371	3127.20	9/25/18		387.80	Static	2739.40	BW
IW-11	508235	3523429	497371	3127.20	11/26/18		389.45	Static	2737.75	BW
IW-11	508235	3523429	497371	3127.20	5/7/19		467.00	Dynamic	2660.20	BW
IW-11	508235	3523429	497371	3127.20	11/20/21		526.60	Dynamic	2600.60	BW
IW-11	508235	3523429	497371	3127.20	4/23/22		423.40	Static	2703.80	BW
IW-11	508235	3523429	497371	3127.20	12/20/22		500.25	Dynamic	2626.95	BW
IW-12	545555	3523970	497365	3138.18	2/20/06	447.10		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	3/14/06	375.33		Static		BW, 2015a
IW-12	545555	3523970	497365	3138.18	4/15/06	368.35		Static		BW, 2015a
IW-12	545555	3523970	497365	3138.18	5/14/06	433.60		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	6/10/06	429.70		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	7/16/06	430.70		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	8/13/06	420.80		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	9/16/06	417.98		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	10/20/06	413.20		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	11/10/06	413.20		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	12/16/06	443.18		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	1/17/07	376.60		Static		BW, 2015a
IW-12	545555	3523970	497365	3138.18	2/24/07		456.20		2681.98	Sierrita
IW-12	545555	3523970	497365	3138.18	2/24/07	456.20		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	3/19/07	464.00		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	4/24/07	451.90		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	5/29/07	449.10		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	6/22/07	432.20		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	7/21/07		428.78		2709.40	Sierrita
IW-12	545555	3523970	497365	3138.18	7/21/07	428.78		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	8/29/07	431.80		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	10/17/07		433.00		2705.18	Sierrita
IW-12	545555	3523970	497365	3138.18	11/28/07	434.80		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	6/30/08	426.20		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	7/29/08		425.90		2712.28	Sierrita
IW-12	545555	3523970	497365	3138.18	7/29/08	425.90		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	8/29/08	428.58		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	9/29/08	427.40		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	10/24/08		425.90		2712.28	Sierrita
IW-12	545555	3523970	497365	3138.18	10/24/08	425.90		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	1/29/09		427		2711.18	Sierrita
IW-12	545555	3523970	497365	3138.18	3/10/09	375.80		Static		BW, 2015a
IW-12	545555	3523970	497365	3138.18	5/13/09		375.80		2762.38	Sierrita
IW-12	545555	3523970	497365	3138.18	5/13/09	430.60		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	12/15/09	428.90		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	4/12/10		425.40		2712.78	Sierrita
IW-12	545555	3523970	497365	3138.18	3/9/11	414.92		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	4/14/11	371.21		Static		BW, 2015a
IW-12	545555	3523970	497365	3138.18	5/11/11		415.81		2722.37	Sierrita
IW-12	545555	3523970	497365	3138.18	5/11/11	415.81		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	6/29/11	415.29		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	7/12/11	372.05		Static		BW, 2015a
IW-12	545555	3523970	497365	3138.18	8/23/11	411.60		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	12/29/11	372.28		Static		BW, 2015a
IW-12	545555	3523970	497365	3138.18	1/26/12	415.39		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	2/28/12	373.26		Static		BW, 2015a



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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3523970	497365	3138.18	3/29/12	393.68		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	5/22/12		411.45		2726.73	Sierrita
IW-12	545555	3523970	497365	3138.18	5/22/12	411.45		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	6/27/12	371.15		Static		BW, 2015a
IW-12	545555	3523970	497365	3138.18	7/31/12	427.28		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	8/22/12	376.92		Static		BW, 2015a
IW-12	545555	3523970	497365	3138.18	9/26/12	422.48		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	10/25/12	382.92		Static		BW, 2015a
IW-12	545555	3523970	497365	3138.18	11/27/12	426.02		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	5/14/13		420.22	Dynamic	2717.96	Sierrita
IW-12	545555	3523970	497365	3138.18	6/25/13	386.04		Static		BW, 2015a
IW-12	545555	3523970	497365	3138.18	7/31/13	440.86		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	8/1/13	386.00		Static		BW, 2015a
IW-12	545555	3523970	497365	3138.18	9/30/13	441.10		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	10/29/13	395.37		Static		BW, 2015a
IW-12	545555	3523970	497365	3138.18	11/28/13	435.47		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	12/9/13	391.32		Static		BW, 2015a
IW-12	545555	3523970	497365	3138.18	1/28/14	381.41		Static		BW, 2015a
IW-12	545555	3523970	497365	3138.18	1/28/14		381.41	Static	2756.77	Sierrita
IW-12	545555	3523970	497365	3138.18	2/24/14	380.19		Static		BW, 2015a
IW-12	545555	3523970	497365	3138.18	2/24/14		380.19	Static	2757.99	Sierrita
IW-12	545555	3523970	497365	3138.18	3/24/14		380.01	Static	2758.17	Sierrita
IW-12	545555	3523970	497365	3138.18	3/31/14	380.01		Static		BW, 2015a
IW-12	545555	3523970	497365	3138.18	4/28/14		386.78	Dynamic	2751.40	Sierrita
IW-12	545555	3523970	497365	3138.18	5/30/14	434.66		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	5/30/14		434.66	Dynamic	2703.52	Sierrita
IW-12	545555	3523970	497365	3138.18	6/9/14		500.10	Dynamic	2638.08	Sierrita
IW-12	545555	3523970	497365	3138.18	7/7/14		490.40	Dynamic	2647.78	Sierrita
IW-12	545555	3523970	497365	3138.18	7/7/14	489.69		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	7/31/14		478.50	Dynamic	2659.68	Sierrita
IW-12	545555	3523970	497365	3138.18	7/31/14	478.50		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	8/27/14		386.40	Static	2751.78	Sierrita
IW-12	545555	3523970	497365	3138.18	8/27/14	386.40		Static		BW, 2015a
IW-12	545555	3523970	497365	3138.18	10/1/14		486.30	Dynamic	2651.88	Sierrita
IW-12	545555	3523970	497365	3138.18	10/1/14	485.59		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	11/4/14		475.70	Dynamic	2662.48	Sierrita
IW-12	545555	3523970	497365	3138.18	11/4/14	474.99		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	12/2/14		475.95	Dynamic	2662.23	Sierrita
IW-12	545555	3523970	497365	3138.18	12/2/14	475.24		Dynamic		BW, 2015a
IW-12	545555	3523970	497365	3138.18	4/9/15		458.20	Dynamic	2679.98	Sierrita
IW-12	545555	3523970	497365	3138.18	5/2/15		484.20	Dynamic	2653.98	Sierrita
IW-12	545555	3523970	497365	3138.18	6/11/15		448.60	Dynamic	2689.58	Sierrita
IW-12	545555	3523970	497365	3138.18	7/18/15		456.50	Dynamic	2681.68	Sierrita
IW-12	545555	3523970	497365	3138.18	11/4/15		481.30	Dynamic	2656.88	Sierrita
IW-12	545555	3523970	497365	3138.18	11/12/16		504.25	Dynamic	2633.93	Sierrita
IW-12	545555	3523970	497365	3138.18	2/11/16		464.25	Dynamic	2673.93	BW
IW-12	545555	3523970	497365	3138.18	3/4/16		472.65	Dynamic	2665.53	BW
IW-12	545555	3523970	497365	3138.18	4/29/16		499.70	Dynamic	2638.48	Sierrita
IW-12	545555	3523970	497365	3138.18	10/5/16		389.60	Static	2748.58	BW
IW-12	545555	3523970	497365	3138.18	4/18/17		434.65	Dynamic	2703.53	Sierrita
IW-12	545555	3523970	497365	3138.18	7/20/17		386.80	Static	2751.38	BW
IW-12	545555	3523970	497365	3138.18	10/25/17		462.95	Dynamic	2675.23	BW
IW-12	545555	3523970	497365	3138.18	5/22/18		378.05	Static	2760.13	BW
IW-12	545555	3523970	497365	3138.18	9/25/18		376.65	Static	2761.53	BW
IW-12	545555	3523970	497365	3138.18	11/26/18		378.95	Static	2759.23	BW
IW-12	545555	3523970	497365	3138.18	5/7/19		444.75	Dynamic	2693.43	BW
IW-12	545555	3523970	497365	3138.18	10/8/19		485.30	Dynamic	2652.88	BW
IW-12	545555	3523970	497365	3138.18	6/5/20		509.15	Dynamic	2629.03	BW
IW-13	545556	3524167	497364	3143.35	1/14/06	382.10		Static		BW, 2015a
IW-13	545556	3524167	497364	3143.35	2/20/06	398.95		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	3/14/06	386.25		Static		BW, 2015a
IW-13	545556	3524167	497364	3143.35	4/15/06	403.55		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	5/14/06	402.85		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	6/10/06	405.27		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	7/16/06	406.30		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	8/13/06	408.80		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	9/16/06	409.38		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	10/20/06	408.10		Dynamic		BW, 2015a

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Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3524167	497364	3143.35	11/11/06	409.95		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	12/16/06	408.25		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	1/29/07	411.20		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	2/24/07	411.90		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	3/17/07	411.60		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	4/24/07	411.15		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	5/30/07	412.91		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	6/22/07	412.75		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	7/31/07		412.13		2731.22	Sierrita
IW-13	545556	3524167	497364	3143.35	8/29/07	411.88		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	10/17/07		413.30		2730.05	Sierrita
IW-13	545556	3524167	497364	3143.35	11/29/07	413.40		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	1/29/08		412.21		2731.14	Sierrita
IW-13	545556	3524167	497364	3143.35	1/29/08	412.21		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	2/28/08	411.10		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	3/31/08	410.79		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	4/22/08		410.42		2732.93	Sierrita
IW-13	545556	3524167	497364	3143.35	4/30/08	410.42		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	5/27/08	409.50		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	6/30/08	409.18		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	7/29/08		410.00		2733.35	Sierrita
IW-13	545556	3524167	497364	3143.35	7/29/08	410.00		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	8/29/08	410.30		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	9/29/08	411.02		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	10/24/08		410.95		2732.40	Sierrita
IW-13	545556	3524167	497364	3143.35	10/24/08	410.95		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	1/29/09		411		2732.35	Sierrita
IW-13	545556	3524167	497364	3143.35	3/10/09	388.90		Static		BW, 2015a
IW-13	545556	3524167	497364	3143.35	5/13/09		388.90		2754.45	Sierrita
IW-13	545556	3524167	497364	3143.35	5/13/09	410.00		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	12/15/09	408.60		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	4/12/10		404.66		2738.69	Sierrita
IW-13	545556	3524167	497364	3143.35	3/9/11	386.19		Static		BW, 2015a
IW-13	545556	3524167	497364	3143.35	4/14/11	382.59		Static		BW, 2015a
IW-13	545556	3524167	497364	3143.35	5/11/11		401.85		2741.50	Sierrita
IW-13	545556	3524167	497364	3143.35	5/11/11	401.85		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	6/29/11	401.54		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	7/12/11	383.55		Static		BW, 2015a
IW-13	545556	3524167	497364	3143.35	8/23/11	402.38		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	12/29/11	402.00		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	1/26/12	401.86		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	2/28/12	386.00		Static		BW, 2015a
IW-13	545556	3524167	497364	3143.35	3/29/12	403.60		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	6/20/12		405.53		2737.82	Sierrita
IW-13	545556	3524167	497364	3143.35	6/27/12	387.62		Static		BW, 2015a
IW-13	545556	3524167	497364	3143.35	7/31/12	443.39		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	8/22/12	389.92		Static		BW, 2015a
IW-13	545556	3524167	497364	3143.35	9/26/12	450.28		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	10/26/12	392.99		Static		BW, 2015a
IW-13	545556	3524167	497364	3143.35	11/27/12	420.16		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	4/15/13		410.89		2732.46	Sierrita
IW-13	545556	3524167	497364	3143.35	6/25/13	396.57		Static		BW, 2015a
IW-13	545556	3524167	497364	3143.35	7/31/13	422.24		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	8/1/13	396.63		Static		BW, 2015a
IW-13	545556	3524167	497364	3143.35	9/30/13	422.31		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	10/29/13	409.74		Static		BW, 2015a
IW-13	545556	3524167	497364	3143.35	11/28/13	423.62		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	12/9/13	398.81		Static		BW, 2015a
IW-13	545556	3524167	497364	3143.35	1/28/14	432.93		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	1/28/14		432.93		2710.42	Sierrita
IW-13	545556	3524167	497364	3143.35	2/24/14	401.88		Static		BW, 2015a
IW-13	545556	3524167	497364	3143.35	2/25/14		401.88		2741.47	Sierrita
IW-13	545556	3524167	497364	3143.35	3/24/14		438.75		2704.60	Sierrita
IW-13	545556	3524167	497364	3143.35	3/31/14	438.75		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	4/25/14		403.78		2739.57	Sierrita
IW-13	545556	3524167	497364	3143.35	5/30/14	438.80		Dynamic		BW, 2015a
IW-13	545556	3524167	497364	3143.35	5/30/14		438.80		2704.55	Sierrita
IW-13	545556	3524167	497364	3143.35	6/9/14		416.40		2726.95	Sierrita

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3524167	497364	3143.35	6/9/14	416.40		Static		BW, 2015a
IW-13	545556	3524167	497364	3143.35	7/7/14		405.70	Static	2737.65	Sierrita
IW-13	545556	3524167	497364	3143.35	7/7/14	404.74		Static		BW, 2015a
IW-13	545556	3524167	497364	3143.35	7/31/14		405.70	Static	2737.65	Sierrita
IW-13	545556	3524167	497364	3143.35	7/31/14	405.70		Static		BW, 2015a
IW-13	545556	3524167	497364	3143.35	8/27/14		404.30	Static	2739.05	Sierrita
IW-13	545556	3524167	497364	3143.35	8/27/14	404.30		Static		BW, 2015a
IW-13	545556	3524167	497364	3143.35	10/1/14		406.90	Static	2736.45	Sierrita
IW-13	545556	3524167	497364	3143.35	10/1/14		459.50	Static	2683.85	Sierrita
IW-13	545556	3524167	497364	3143.35	10/1/14	405.94		Static		BW, 2015a
IW-13	545556	3524167	497364	3143.35	11/4/14		404.20	Static	2739.15	Sierrita
IW-13	545556	3524167	497364	3143.35	11/4/14	403.24		Static		BW, 2015a
IW-13	545556	3524167	497364	3143.35	12/2/14		402.80	Static	2740.55	Sierrita
IW-13	545556	3524167	497364	3143.35	12/2/14	401.84		Static		BW, 2015a
IW-13	545556	3524167	497364	3143.35	4/9/15		398.70	Static	2744.65	Sierrita
IW-13	545556	3524167	497364	3143.35	5/2/15		399.20	Static	2744.15	Sierrita
IW-13	545556	3524167	497364	3143.35	6/11/15		398.80	Static	2744.55	Sierrita
IW-13	545556	3524167	497364	3143.35	7/18/15		400.65	Static	2742.70	Sierrita
IW-13	545556	3524167	497364	3143.35	10/7/15		401.93	Static	2741.42	Sierrita
IW-13	545556	3524167	497364	3143.35	11/4/15		401.70	Static	2741.65	Sierrita
IW-13	545556	3524167	497364	3143.35	12/9/15		402.50	Static	2740.85	Sierrita
IW-13	545556	3524167	497364	3143.35	1/12/16		402.80	Static	2740.55	Sierrita
IW-13	545556	3524167	497364	3143.35	2/11/16		402.40	Static	2740.95	BW
IW-13	545556	3524167	497364	3143.35	3/4/16		401.80	Static	2741.55	BW
IW-13	545556	3524167	497364	3143.35	4/29/16		402.35	Static	2741.00	Sierrita
IW-13	545556	3524167	497364	3143.35	10/5/16		399.82	Static	2743.53	BW
IW-13	545556	3524167	497364	3143.35	4/18/17		400.92	Static	2742.43	Sierrita
IW-13	545556	3524167	497364	3143.35	7/20/17		400.90	Static	2742.45	BW
IW-13	545556	3524167	497364	3143.35	10/25/17		398.50	Static	2744.85	BW
IW-13	545556	3524167	497364	3143.35	5/22/18		395.40	Static	2747.95	BW
IW-13	545556	3524167	497364	3143.35	9/25/18		383.80	Static	2759.55	BW
IW-13	545556	3524167	497364	3143.35	11/26/18		394.35	Static	2749.00	BW
IW-13	545556	3524167	497364	3143.35	5/7/19		395.55	Static	2747.80	BW
IW-13	545556	3524167	497364	3143.35	10/8/19		400.20	Static	2743.15	BW
IW-13	545556	3524167	497364	3143.35	6/5/20		404.20	Static	2739.15	BW
IW-13	545556	3524167	497364	3143.35	10/30/20		401.70	Static	2741.65	BW
IW-13	545556	3524167	497364	3143.35	5/22/21		405.70	Static	2737.65	BW
IW-13	545556	3524167	497364	3143.35	11/20/21		407.10	Static	2736.25	BW
IW-13	545556	3524167	497364	3143.35	4/23/22		407.98	Static	2735.37	BW
IW-13	545556	3524167	497364	3143.35	12/20/22		407.00	Static	2736.35	BW
IW-14	545557	3524373	497367	3146.42	1/14/06	441.20		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	2/20/06	436.10		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	3/14/06	379.95		Static		BW, 2015a
IW-14	545557	3524373	497367	3146.42	4/15/06	459.58		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	5/14/06	445.42		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	6/10/06	447.55		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	7/16/06	450.11		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	8/13/06	458.50		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	9/16/06	458.09		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	10/20/06	456.00		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	11/11/06	471.68		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	11/15/06		471.68		2674.74	Sierrita
IW-14	545557	3524373	497367	3146.42	12/16/06	470.30		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	1/29/07	474.40		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	2/24/07		463.35		2683.07	Sierrita
IW-14	545557	3524373	497367	3146.42	2/24/07	463.35		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	3/17/07	479.00		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	4/24/07	471.90		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	5/29/07	476.90		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	6/22/07	476.40		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	7/31/07		474.00		2672.42	Sierrita
IW-14	545557	3524373	497367	3146.42	8/29/07	480.50		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	10/16/07		480.00		2666.42	Sierrita
IW-14	545557	3524373	497367	3146.42	11/29/07	491.30		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	1/29/08		478.50		2667.92	Sierrita
IW-14	545557	3524373	497367	3146.42	1/29/08	478.50		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	2/28/08	465.10		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	3/31/08	464.99		Dynamic		BW, 2015a

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	497367	3146.42	4/21/08		457.75		2688.67	Sierrita
IW-14	545557	3524373	497367	3146.42	4/30/08	457.75		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	5/27/08	473.90		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	6/30/08	477.77		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	7/29/08		478.06		2668.36	Sierrita
IW-14	545557	3524373	497367	3146.42	7/29/08	478.06		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	8/29/08	467.20		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	9/29/08	466.99		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	10/24/08		467.07		2679.35	Sierrita
IW-14	545557	3524373	497367	3146.42	10/24/08	467.07		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	1/29/09		466		2680.42	Sierrita
IW-14	545557	3524373	497367	3146.42	3/10/09	383.30		Static		BW, 2015a
IW-14	545557	3524373	497367	3146.42	5/13/09		383.30		2763.12	Sierrita
IW-14	545557	3524373	497367	3146.42	5/13/09	460.00		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	12/15/09	447.90		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	4/21/10		422.20		2724.22	Sierrita
IW-14	545557	3524373	497367	3146.42	3/10/11	406.36		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	4/14/11	378.11		Static		BW, 2015a
IW-14	545557	3524373	497367	3146.42	5/11/11		404.48		2741.94	Sierrita
IW-14	545557	3524373	497367	3146.42	5/11/11	404.48		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	6/29/11	403.37		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	7/12/11	349.52		Static		BW, 2015a
IW-14	545557	3524373	497367	3146.42	8/23/11	404.40		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	12/29/11	395.50		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	2/28/12	380.28		Static		BW, 2015a
IW-14	545557	3524373	497367	3146.42	3/29/12	459.54		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	5/22/12		458.57		2687.85	Sierrita
IW-14	545557	3524373	497367	3146.42	5/22/12	458.57		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	6/27/12	381.75		Static		BW, 2015a
IW-14	545557	3524373	497367	3146.42	7/31/12	455.15		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	8/22/12	383.91		Static		BW, 2015a
IW-14	545557	3524373	497367	3146.42	9/26/12	459.39		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	10/26/12	386.33		Static		BW, 2015a
IW-14	545557	3524373	497367	3146.42	11/27/12	459.43		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	4/15/13		460.72	Dynamic	2685.70	Sierrita
IW-14	545557	3524373	497367	3146.42	6/25/13	386.94		Static		BW, 2015a
IW-14	545557	3524373	497367	3146.42	8/1/13	386.93		Static		BW, 2015a
IW-14	545557	3524373	497367	3146.42	9/30/13	458.60		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	10/28/13	391.09		Static		BW, 2015a
IW-14	545557	3524373	497367	3146.42	11/28/13	451.70		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	12/9/13	390.79		Static		BW, 2015a
IW-14	545557	3524373	497367	3146.42	1/28/14		459.02	Dynamic	2687.40	Sierrita
IW-14	545557	3524373	497367	3146.42	1/28/14	459.02		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	2/24/14	393.02		Static		BW, 2015a
IW-14	545557	3524373	497367	3146.42	2/25/14		393.02	Dynamic	2753.40	Sierrita
IW-14	545557	3524373	497367	3146.42	3/24/14		455.21	Dynamic	2691.21	Sierrita
IW-14	545557	3524373	497367	3146.42	3/31/14	455.21		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	4/28/14		394.49	Dynamic	2751.93	Sierrita
IW-14	545557	3524373	497367	3146.42	5/30/14	453.19		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	5/30/14		453.19	Dynamic	2693.23	Sierrita
IW-14	545557	3524373	497367	3146.42	6/9/14		459.40	Dynamic	2687.02	Sierrita
IW-14	545557	3524373	497367	3146.42	6/9/14	459.40		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	7/7/14		459.30	Dynamic	2687.12	Sierrita
IW-14	545557	3524373	497367	3146.42	7/7/14	459.13		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	7/31/14		459.30	Dynamic	2687.12	Sierrita
IW-14	545557	3524373	497367	3146.42	7/31/14	459.30		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	8/27/14		394.60	Static	2751.82	Sierrita
IW-14	545557	3524373	497367	3146.42	8/27/14	394.60		Static		BW, 2015a
IW-14	545557	3524373	497367	3146.42	10/1/14	459.33		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	11/4/14		459.40	Dynamic	2687.02	Sierrita
IW-14	545557	3524373	497367	3146.42	11/4/14	459.23		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	12/2/14		459.40	Dynamic	2687.02	Sierrita
IW-14	545557	3524373	497367	3146.42	12/2/14	459.23		Dynamic		BW, 2015a
IW-14	545557	3524373	497367	3146.42	4/9/15		459.50	Dynamic	2686.92	Sierrita
IW-14	545557	3524373	497367	3146.42	5/2/15		459.50	Dynamic	2686.92	Sierrita
IW-14	545557	3524373	497367	3146.42	6/11/15		400.05	Static	2746.37	Sierrita
IW-14	545557	3524373	497367	3146.42	7/18/15		460.10	Dynamic	2686.32	Sierrita
IW-14	545557	3524373	497367	3146.42	10/7/15		400.92	Static	2745.50	Sierrita

## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	497367	3146.42	11/4/15		459.45	Dynamic	2686.97	Sierrita
IW-14	545557	3524373	497367	3146.42	12/9/15		400.80	Static	2745.62	Sierrita
IW-14	545557	3524373	497367	3146.42	1/12/16		459.55	Dynamic	2686.87	Sierrita
IW-14	545557	3524373	497367	3146.42	2/11/16		459.60	Dynamic	2686.82	BW
IW-14	545557	3524373	497367	3146.42	3/4/16		400.75	Static	2745.67	BW
IW-14	545557	3524373	497367	3146.42	4/29/16		459.50	Dynamic	2686.92	Sierrita
IW-14	545557	3524373	497367	3146.42	10/5/16		394.05	Static	2752.37	BW
IW-14	545557	3524373	497367	3146.42	4/18/17		471.72	Dynamic	2674.70	Sierrita
IW-14	545557	3524373	497367	3146.42	7/20/17		459.55	Dynamic	2686.87	BW
IW-14	545557	3524373	497367	3146.42	10/25/17		393.45	Static	2752.97	BW
IW-14	545557	3524373	497367	3146.42	5/22/18		389.10	Static	2757.32	BW
IW-14	545557	3524373	497367	3146.42	9/25/18		387.45	Static	2758.97	BW
IW-14	545557	3524373	497367	3146.42	11/26/18		387.70	Static	2758.72	BW
IW-14	545557	3524373	497367	3146.42	5/7/19		388.35	Static	2758.07	BW
IW-14	545557	3524373	497367	3146.42	10/8/19		390.90	Static	2755.52	BW
IW-14	545557	3524373	497367	3146.42	6/5/20		394.10	Static	2752.32	BW
IW-14	545557	3524373	497367	3146.42	10/30/20		393.95	Static	2752.47	BW
IW-14	545557	3524373	497367	3146.42	5/22/21		395.60	Static	2750.82	BW
IW-14	545557	3524373	497367	3146.42	11/20/21		397.60	Static	2748.82	BW
IW-14	545557	3524373	497367	3146.42	4/23/22		398.10	Static	2748.32	BW
IW-14	545557	3524373	497367	3146.42	12/20/22		398.05	Static	2748.37	BW
IW-15	545558	3524567	497373	3152.02	2/20/06	416.20		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	3/14/06	387.55		Static		BW, 2015a
IW-15	545558	3524567	497373	3152.02	4/15/06	420.70		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	5/14/06	417.60		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	6/10/06	419.48		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	7/16/06	422.65		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	8/13/06	423.60		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	9/16/06	424.60		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	10/20/06	424.35		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	11/11/06	427.27		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	11/15/06		427.27		2724.75	Sierrita
IW-15	545558	3524567	497373	3152.02	12/16/06	427.79		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	1/29/07	429.75		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	2/24/07		429.89		2722.13	Sierrita
IW-15	545558	3524567	497373	3152.02	2/24/07	429.89		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	3/17/07	431.05		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	4/24/07	431.40		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	5/30/07	431.90		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	6/22/07	431.60		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	7/31/07		430.55		2721.47	Sierrita
IW-15	545558	3524567	497373	3152.02	8/29/07	429.70		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	10/16/07		390.30		2761.72	Sierrita
IW-15	545558	3524567	497373	3152.02	11/29/07	428.15		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	1/29/08		430.45		2721.57	Sierrita
IW-15	545558	3524567	497373	3152.02	1/29/08	430.45		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	2/28/08	430.18		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	3/31/08	429.95		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	4/22/08		429.70		2722.32	Sierrita
IW-15	545558	3524567	497373	3152.02	4/30/08	429.70		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	5/27/08	427.81				BW, 2015a
IW-15	545558	3524567	497373	3152.02	6/30/08	429.65		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	7/29/08		429.50		2722.52	Sierrita
IW-15	545558	3524567	497373	3152.02	7/29/08	429.50		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	8/29/08	430.95		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	9/29/08	430.50		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	10/24/08		430.49		2721.53	Sierrita
IW-15	545558	3524567	497373	3152.02	10/24/08	430.49		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	1/29/09		430		2722.02	Sierrita
IW-15	545558	3524567	497373	3152.02	3/10/09	388.00		Static		BW, 2015a
IW-15	545558	3524567	497373	3152.02	5/13/09		388.00		2764.02	Sierrita
IW-15	545558	3524567	497373	3152.02	5/13/09	427.80		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	12/15/09	425.40		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	4/12/10		419.39		2732.63	Sierrita
IW-15	545558	3524567	497373	3152.02	3/9/11	415.00		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	4/14/11	394.57		Static		BW, 2015a
IW-15	545558	3524567	497373	3152.02	5/11/11		414.82		2737.20	Sierrita
IW-15	545558	3524567	497373	3152.02	5/11/11	414.82		Dynamic		BW, 2015a



## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	497373	3152.02	6/29/11	412.55		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	7/12/11	384.89		Static		BW, 2015a
IW-15	545558	3524567	497373	3152.02	8/23/11	416.35		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	12/30/11	414.20		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	1/26/12	418.02		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	2/28/12	373.03		Static		BW, 2015a
IW-15	545558	3524567	497373	3152.02	3/29/12	421.94		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	5/22/12		410.54		2741.48	Sierrita
IW-15	545558	3524567	497373	3152.02	5/22/12	410.54		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	6/27/12	387.88		Static		BW, 2015a
IW-15	545558	3524567	497373	3152.02	7/31/12	418.27		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	8/22/12	389.33		Static		BW, 2015a
IW-15	545558	3524567	497373	3152.02	9/26/12	433.77		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	10/26/12	391.31		Static		BW, 2015a
IW-15	545558	3524567	497373	3152.02	11/27/12	438.04		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	5/14/13		439.64	Dynamic	2712.38	Sierrita
IW-15	545558	3524567	497373	3152.02	6/25/13	392.73		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	7/31/13	440.11		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	8/1/13	392.95		Static		BW, 2015a
IW-15	545558	3524567	497373	3152.02	9/30/13	440.52		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	10/28/13	395.39		Static		BW, 2015a
IW-15	545558	3524567	497373	3152.02	11/28/13	441.34		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	12/9/13	395.57		Static		BW, 2015a
IW-15	545558	3524567	497373	3152.02	1/28/14	458.15		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	1/28/14		458.15	Dynamic	2693.87	Sierrita
IW-15	545558	3524567	497373	3152.02	2/24/14	397.32		Static		BW, 2015a
IW-15	545558	3524567	497373	3152.02	2/25/14		397.32	Dynamic	2754.70	Sierrita
IW-15	545558	3524567	497373	3152.02	3/24/14		477.16	Dynamic	2674.86	Sierrita
IW-15	545558	3524567	497373	3152.02	3/31/14	477.16		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	4/28/14		399.11	Dynamic	2752.91	Sierrita
IW-15	545558	3524567	497373	3152.02	5/30/14	477.18		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	5/30/14		477.18	Dynamic	2674.84	Sierrita
IW-15	545558	3524567	497373	3152.02	6/9/14		491.25	Dynamic	2660.77	Sierrita
IW-15	545558	3524567	497373	3152.02	6/9/14	491.25		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	7/7/14		399.40	Static	2752.62	Sierrita
IW-15	545558	3524567	497373	3152.02	7/7/14	399.15		Static		BW, 2015a
IW-15	545558	3524567	497373	3152.02	7/31/14		491.30	Dynamic	2660.72	Sierrita
IW-15	545558	3524567	497373	3152.02	7/31/14	491.30		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	8/27/14		400.60	Static	2751.42	Sierrita
IW-15	545558	3524567	497373	3152.02	8/27/14	400.60		Static		BW, 2015a
IW-15	545558	3524567	497373	3152.02	10/1/14		491.40	Dynamic	2660.62	Sierrita
IW-15	545558	3524567	497373	3152.02	10/1/14	491.15		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	11/4/14		491.40	Dynamic	2660.62	Sierrita
IW-15	545558	3524567	497373	3152.02	11/4/14	491.15		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	12/2/14		491.40	Dynamic	2660.62	Sierrita
IW-15	545558	3524567	497373	3152.02	12/2/14	491.15		Dynamic		BW, 2015a
IW-15	545558	3524567	497373	3152.02	4/9/15		491.40	Dynamic	2660.62	Sierrita
IW-15	545558	3524567	497373	3152.02	5/2/15		401.70	Static	2750.32	Sierrita
IW-15	545558	3524567	497373	3152.02	6/11/15		408.20	Static	2743.82	Sierrita
IW-15	545558	3524567	497373	3152.02	10/7/15		404.60	Static	2747.42	Sierrita
IW-15	545558	3524567	497373	3152.02	11/4/15		491.40	Dynamic	2660.62	Sierrita
IW-15	545558	3524567	497373	3152.02	12/9/15		403.75	Static	2748.27	Sierrita
IW-15	545558	3524567	497373	3152.02	1/12/16		498.37	Dynamic	2653.65	Sierrita
IW-15	545558	3524567	497373	3152.02	2/11/16		491.40	Dynamic	2660.62	BW
IW-15	545558	3524567	497373	3152.02	3/4/16		404.10	Static	2747.92	BW
IW-15	545558	3524567	497373	3152.02	4/29/16		498.30	Dynamic	2653.72	Sierrita
IW-15	545558	3524567	497373	3152.02	4/18/17		491.00	Dynamic	2661.02	Sierrita
IW-15	545558	3524567	497373	3152.02	7/20/17		401.10	Static	2750.92	BW
IW-15	545558	3524567	497373	3152.02	10/25/17		399.65	Static	2752.37	BW
IW-15	545558	3524567	497373	3152.02	5/22/18		398.50	Static	2753.52	BW
IW-15	545558	3524567	497373	3152.02	9/25/18		396.55	Static	2755.47	BW
IW-15	545558	3524567	497373	3152.02	11/26/18		397.15	Static	2754.87	BW
IW-15	545558	3524567	497373	3152.02	5/7/19		397.95	Static	2754.07	BW
IW-15	545558	3524567	497373	3152.02	10/8/19		399.80	Static	2752.22	BW
IW-15	545558	3524567	497373	3152.02	6/5/20		401.70	Static	2750.32	BW
IW-15	545558	3524567	497373	3152.02	10/30/20		402.90	Static	2749.12	BW
IW-15	545558	3524567	497373	3152.02	5/22/21		403.70	Static	2748.32	BW
IW-15	545558	3524567	497373	3152.02	11/20/21		404.95	Static	2747.07	BW



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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	497373	3152.02	4/23/22		405.32	Static	2746.70	BW
IW-15	545558	3524567	497373	3152.02	12/20/22		404.90	Static	2747.12	BW
IW-16	545559	3524783	497371	3162.85	1/14/06	399.60		Static		BW, 2015a
IW-16	545559	3524783	497371	3162.85	2/20/06	405.00		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	3/14/06	405.60		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	4/15/06	406.97		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	5/14/06	406.45		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	6/10/06	407.55		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	7/16/06	408.31		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	8/13/06	408.95		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	9/16/06	409.20		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	10/20/06	408.94		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	11/11/06	409.69		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	11/15/06		409.69		2753.16	Sierrita
IW-16	545559	3524783	497371	3162.85	12/16/06	409.81		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	1/29/07	410.00		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	2/24/07		409.95		2752.90	Sierrita
IW-16	545559	3524783	497371	3162.85	2/24/07	409.95		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	3/17/07	409.35		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	4/24/07	409.00		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	5/30/07	409.50		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	6/22/07	409.10		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	7/31/07		409.50		2753.35	Sierrita
IW-16	545559	3524783	497371	3162.85	8/29/07	409.65		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	10/16/07		409.17		2753.68	Sierrita
IW-16	545559	3524783	497371	3162.85	11/29/07	408.90		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	1/29/08		409.20		2753.65	Sierrita
IW-16	545559	3524783	497371	3162.85	1/29/08	409.20		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	2/28/08	408.80		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	3/31/08	408.92		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	4/22/08		408.89		2753.96	Sierrita
IW-16	545559	3524783	497371	3162.85	4/30/08	408.89		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	5/27/08	408.92		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	6/30/08	408.48		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	7/29/08		409.02		2753.83	Sierrita
IW-16	545559	3524783	497371	3162.85	7/29/08	409.02		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	8/29/08	408.44		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	9/29/08	408.24		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	10/24/08		408.29		2754.56	Sierrita
IW-16	545559	3524783	497371	3162.85	10/24/08	408.29		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	1/29/09		409		2753.85	Sierrita
IW-16	545559	3524783	497371	3162.85	3/10/09	402.00		Static		BW, 2015a
IW-16	545559	3524783	497371	3162.85	5/13/09		402.00		2760.85	Sierrita
IW-16	545559	3524783	497371	3162.85	5/13/09	409.00		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	12/15/09	408.80		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	4/12/10		405.68		2757.17	Sierrita
IW-16	545559	3524783	497371	3162.85	3/9/11	399.82		Dynamic		BW, 2015a
IW-16	545559	3524783	497371	3162.85	4/14/11	399.44		Static		BW, 2015a
IW-16	545559	3524783	497371	3162.85	6/29/11		339.30		2823.55	Sierrita
IW-16	545559	3524783	497371	3162.85	6/29/11	399.30		Static		BW, 2015a
IW-16	545559	3524783	497371	3162.85	7/12/11	399.56		Static		BW, 2015a
IW-16	545559	3524783	497371	3162.85	8/25/11	400.05		Static		BW, 2015a
IW-16	545559	3524783	497371	3162.85	12/29/11	398.25		Static		BW, 2015a
IW-16	545559	3524783	497371	3162.85	1/26/12	400.69		Static		BW, 2015a
IW-16	545559	3524783	497371	3162.85	2/28/12	401.00		Static		BW, 2015a
IW-16	545559	3524783	497371	3162.85	3/29/12	401.53		Static		BW, 2015a
IW-16	545559	3524783	497371	3162.85	6/27/12		402.80		2760.05	Sierrita
IW-16	545559	3524783	497371	3162.85	6/27/12	402.80		Static		BW, 2015a
IW-16	545559	3524783	497371	3162.85	7/31/12	432.47		Static		BW, 2015a
IW-16	545559	3524783	497371	3162.85	8/22/12	403.78		Static		BW, 2015a
IW-16	545559	3524783	497371	3162.85	9/26/12	404.54		Static		BW, 2015a
IW-16	545559	3524783	497371	3162.85	10/26/12	405.16		Static		BW, 2015a
IW-16	545559	3524783	497371	3162.85	11/27/12	405.72		Static		BW, 2015a
IW-16	545559	3524783	497371	3162.85	5/14/13	407.10		Static		BW, 2015a
IW-16	545559	3524783	497371	3162.85	5/14/13		407.10		2755.75	Sierrita
IW-16	545559	3524783	497371	3162.85	6/25/13	407.10		Static		BW, 2015a
IW-16	545559	3524783	497371	3162.85	8/1/13	406.93		Static		BW, 2015a
IW-16	545559	3524783	497371	3162.85	10/28/13	408.18		Static		BW, 2015a

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3524783	497371	3162.85	1/28/14		409.04	Static	2753.81	Sierrita
IW-16	545559	3524783	497371	3162.85	2/24/14		410.15	Static	2752.70	Sierrita
IW-16	545559	3524783	497371	3162.85	3/24/14		411.11	Static	2751.74	Sierrita
IW-16	545559	3524783	497371	3162.85	4/25/14		411.92	Static	2750.93	Sierrita
IW-16	545559	3524783	497371	3162.85	5/30/14		411.90	Static	2750.95	Sierrita
IW-16	545559	3524783	497371	3162.85	6/25/15		414.08	Static	2748.77	Sierrita
IW-16	545559	3524783	497371	3162.85	7/18/15		414.05	Static	2748.80	Sierrita
IW-16	545559	3524783	497371	3162.85	10/7/15		414.40	Static	2748.45	Sierrita
IW-16	545559	3524783	497371	3162.85	1/12/16		414.68	Static	2748.17	Sierrita
IW-16	545559	3524783	497371	3162.85	4/29/16		414.74	Static	2748.11	Sierrita
IW-16	545559	3524783	497371	3162.85	10/5/16		413.48	Static	2749.37	BW
IW-16	545559	3524783	497371	3162.85	4/18/17		412.82	Static	2750.03	Sierrita
IW-16	545559	3524783	497371	3162.85	7/20/17		412.55	Static	2750.30	BW
IW-16	545559	3524783	497371	3162.85	10/25/17		412.25	Static	2750.60	BW
IW-16	545559	3524783	497371	3162.85	5/22/18		411.55	Static	2751.30	BW
IW-16	545559	3524783	497371	3162.85	9/25/18		410.79	Static	2752.06	BW
IW-16	545559	3524783	497371	3162.85	11/26/18		411.00	Static	2751.85	BW
IW-16	545559	3524783	497371	3162.85	5/1/19		411.82	Static	2751.03	Sierrita
IW-16	545559	3524783	497371	3162.85	5/7/19		411.75	Static	2751.10	BW
IW-16	545559	3524783	497371	3162.85	10/8/19		413.10	Static	2749.75	BW
IW-16	545559	3524783	497371	3162.85	6/5/20		414.60	Static	2748.25	BW
IW-16	545559	3524783	497371	3162.85	10/30/20		415.52	Static	2747.33	BW
IW-16	545559	3524783	497371	3162.85	5/22/21		416.20	Static	2746.65	BW
IW-16	545559	3524783	497371	3162.85	11/20/21		417.05	Static	2745.80	BW
IW-16	545559	3524783	497371	3162.85	4/23/22		417.40	Static	2745.45	BW
IW-16	545559	3524783	497371	3162.85	12/20/22		417.02	Static	2745.83	BW
IW-17	545560	3525003	497374	3160.76	1/14/06	423.54		Static		BW, 2015a
IW-17	545560	3525003	497374	3160.76	2/17/06	426.60		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	3/14/06	427.00		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	4/15/06	427.50		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	5/14/06	427.70		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	6/10/06	427.60		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	7/16/06	428.10		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	8/13/06	426.35		Static		BW, 2015a
IW-17	545560	3525003	497374	3160.76	9/16/06	428.81		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	10/20/06	428.72		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	11/11/06	429.15		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	11/15/06		429.15		2731.61	Sierrita
IW-17	545560	3525003	497374	3160.76	12/16/06	429.25		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	1/29/07	429.58		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	2/24/07		429.70		2731.06	Sierrita
IW-17	545560	3525003	497374	3160.76	2/24/07	429.70		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	3/17/07	429.50		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	4/24/07	428.80		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	5/30/07	429.60		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	6/22/07	428.25		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	7/26/07		427.97		2732.79	Sierrita
IW-17	545560	3525003	497374	3160.76	8/29/07	428.35		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	10/16/07		427.70		2733.06	Sierrita
IW-17	545560	3525003	497374	3160.76	11/29/07	427.48		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	1/29/08		428.12		2732.64	Sierrita
IW-17	545560	3525003	497374	3160.76	1/29/08	428.12		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	2/28/08	427.95		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	3/31/08	428.30		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	4/22/08		428.23		2732.53	Sierrita
IW-17	545560	3525003	497374	3160.76	4/30/08	428.23		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	5/27/08	428.50		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	6/30/08	428.33		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	7/29/08		428.40		2732.36	Sierrita
IW-17	545560	3525003	497374	3160.76	7/29/08	428.40		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	8/29/08	428.00		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	9/29/08	428.33		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	10/24/08		428.45		2732.31	Sierrita
IW-17	545560	3525003	497374	3160.76	10/24/08	428.45		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	1/29/09		428		2732.76	Sierrita
IW-17	545560	3525003	497374	3160.76	3/10/09	425.00		Static		BW, 2015a
IW-17	545560	3525003	497374	3160.76	5/13/09		425.00		2735.76	Sierrita
IW-17	545560	3525003	497374	3160.76	5/13/09	428.00		Dynamic		BW, 2015a

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3525003	497374	3160.76	12/15/09	427.60		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	4/12/10		425.12		2735.64	Sierrita
IW-17	545560	3525003	497374	3160.76	3/9/11	423.13		Dynamic		BW, 2015a
IW-17	545560	3525003	497374	3160.76	4/14/11	422.59		Static		BW, 2015a
IW-17	545560	3525003	497374	3160.76	6/29/11		422.10		2738.66	Sierrita
IW-17	545560	3525003	497374	3160.76	6/29/11	422.10		Static		BW, 2015a
IW-17	545560	3525003	497374	3160.76	7/12/11	421.01		Static		BW, 2015a
IW-17	545560	3525003	497374	3160.76	8/25/11	422.00		Static		BW, 2015a
IW-17	545560	3525003	497374	3160.76	12/29/11	422.00		Static		BW, 2015a
IW-17	545560	3525003	497374	3160.76	1/26/12	423.06		Static		BW, 2015a
IW-17	545560	3525003	497374	3160.76	2/28/12	423.15		Static		BW, 2015a
IW-17	545560	3525003	497374	3160.76	3/29/12	423.21		Static		BW, 2015a
IW-17	545560	3525003	497374	3160.76	6/27/12		424.10		2736.66	Sierrita
IW-17	545560	3525003	497374	3160.76	6/27/12	424.10		Static		BW, 2015a
IW-17	545560	3525003	497374	3160.76	7/31/12	429.62		Static		BW, 2015a
IW-17	545560	3525003	497374	3160.76	8/22/12	424.92		Static		BW, 2015a
IW-17	545560	3525003	497374	3160.76	9/26/12	425.55		Static		BW, 2015a
IW-17	545560	3525003	497374	3160.76	10/26/12	426.15		Static		BW, 2015a
IW-17	545560	3525003	497374	3160.76	11/27/12	426.82		Static		BW, 2015a
IW-17	545560	3525003	497374	3160.76	5/14/13	428.86		Static		BW, 2015a
IW-17	545560	3525003	497374	3160.76	5/14/13		428.86	Static	2731.90	Sierrita
IW-17	545560	3525003	497374	3160.76	6/25/13	428.86		Static		BW, 2015a
IW-17	545560	3525003	497374	3160.76	8/1/13	428.94		Static		BW, 2015a
IW-17	545560	3525003	497374	3160.76	10/28/13	429.63		Static		BW, 2015a
IW-17	545560	3525003	497374	3160.76	1/28/14		432.11	Static	2728.65	Sierrita
IW-17	545560	3525003	497374	3160.76	2/24/14		422.09	Static	2738.67	Sierrita
IW-17	545560	3525003	497374	3160.76	3/24/14		435.40	Static	2725.36	Sierrita
IW-17	545560	3525003	497374	3160.76	4/25/14		437.29	Static	2723.47	Sierrita
IW-17	545560	3525003	497374	3160.76	5/30/14		437.35	Static	2723.41	Sierrita
IW-17	545560	3525003	497374	3160.76	6/25/15		443.59	Static	2717.17	Sierrita
IW-17	545560	3525003	497374	3160.76	7/18/15		443.60	Static	2717.16	Sierrita
IW-17	545560	3525003	497374	3160.76	10/7/15		444.35	Static	2716.41	Sierrita
IW-17	545560	3525003	497374	3160.76	1/12/16		444.90	Static	2715.86	Sierrita
IW-17	545560	3525003	497374	3160.76	4/29/16		445.02	Static	2715.74	Sierrita
IW-17	545560	3525003	497374	3160.76	10/5/16		444.65	Static	2716.11	BW
IW-17	545560	3525003	497374	3160.76	4/18/17		444.20	Static	2716.56	Sierrita
IW-17	545560	3525003	497374	3160.76	7/20/17		444.30	Static	2716.46	BW
IW-17	545560	3525003	497374	3160.76	10/25/17		443.80	Static	2716.96	BW
IW-17	545560	3525003	497374	3160.76	5/22/18		443.90	Static	2716.86	BW
IW-17	545560	3525003	497374	3160.76	9/25/18		443.45	Static	2717.31	BW
IW-17	545560	3525003	497374	3160.76	11/26/18		443.45	Static	2717.31	BW
IW-17	545560	3525003	497374	3160.76	5/1/19		443.10	Static	2717.66	Sierrita
IW-17	545560	3525003	497374	3160.76	5/7/19		442.95	Static	2717.81	BW
IW-17	545560	3525003	497374	3160.76	10/8/19		444.20	Static	2716.56	BW
IW-17	545560	3525003	497374	3160.76	6/5/20		445.90	Static	2714.86	BW
IW-17	545560	3525003	497374	3160.76	10/30/20		447.22	Static	2713.54	BW
IW-17	545560	3525003	497374	3160.76	5/22/21		448.10	Static	2712.66	BW
IW-17	545560	3525003	497374	3160.76	11/20/21		448.80	Static	2711.96	BW
IW-17	545560	3525003	497374	3160.76	4/23/22		449.27	Static	2711.49	BW
IW-17	545560	3525003	497374	3160.76	12/20/22		449.20	Static	2711.56	BW
IW-18	545561	3525170	497374	3171.15	1/14/06	441.60		Static		BW, 2015a
IW-18	545561	3525170	497374	3171.15	2/20/06	450.55		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	3/14/06	450.40		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	4/15/06	448.70		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	5/14/06	446.80		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	6/10/06	447.02		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	7/16/06	448.21		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	8/13/06	448.90		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	9/16/06	448.98		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	10/20/06	448.50		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	11/10/06	449.35		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	11/21/06		449.02		2722.13	Sierrita
IW-18	545561	3525170	497374	3171.15	12/16/06	449.68		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	1/17/07	444.50		Static		BW, 2015a
IW-18	545561	3525170	497374	3171.15	2/24/07		449.55		2721.60	Sierrita
IW-18	545561	3525170	497374	3171.15	2/24/07	449.55		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	3/19/07	448.80		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	4/24/07	447.80		Dynamic		BW, 2015a

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Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3525170	497374	3171.15	5/29/07	447.19		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	6/22/07	446.50		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	7/21/07		446.35		2724.80	Sierrita
IW-18	545561	3525170	497374	3171.15	8/29/07	446.40		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	10/16/07		445.25		2725.90	Sierrita
IW-18	545561	3525170	497374	3171.15	11/28/07	445.00		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	1/19/08		446.75		2724.40	Sierrita
IW-18	545561	3525170	497374	3171.15	1/29/08	446.75		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	2/28/08	447.00		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	3/31/08	447.35		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	4/21/08		447.48		2723.67	Sierrita
IW-18	545561	3525170	497374	3171.15	4/30/08	447.48		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	5/27/08	447.80		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	6/30/08	447.47		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	7/29/08		447.00		2724.15	Sierrita
IW-18	545561	3525170	497374	3171.15	7/29/08	447.00		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	8/29/08	446.80		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	9/29/08	446.36		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	10/24/08		446.30		2724.85	Sierrita
IW-18	545561	3525170	497374	3171.15	10/24/08	446.30		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	1/29/09		447		2724.15	Sierrita
IW-18	545561	3525170	497374	3171.15	3/10/09	441.50		Static		BW, 2015a
IW-18	545561	3525170	497374	3171.15	5/13/09		441.50		2729.65	Sierrita
IW-18	545561	3525170	497374	3171.15	5/13/09	447.00		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	12/15/09	447.20		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	4/12/10		442.94		2728.21	Sierrita
IW-18	545561	3525170	497374	3171.15	3/9/11	436.89		Dynamic		BW, 2015a
IW-18	545561	3525170	497374	3171.15	4/14/11	432.82		Static		BW, 2015a
IW-18	545561	3525170	497374	3171.15	6/29/11		435.35		2735.80	Sierrita
IW-18	545561	3525170	497374	3171.15	6/29/11	435.35		Static		BW, 2015a
IW-18	545561	3525170	497374	3171.15	7/12/11	435.16		Static		BW, 2015a
IW-18	545561	3525170	497374	3171.15	8/25/11	435.50		Static		BW, 2015a
IW-18	545561	3525170	497374	3171.15	12/29/11	434.90		Static		BW, 2015a
IW-18	545561	3525170	497374	3171.15	1/26/12	436.09		Static		BW, 2015a
IW-18	545561	3525170	497374	3171.15	2/28/12	436.22		Static		BW, 2015a
IW-18	545561	3525170	497374	3171.15	3/29/12	436.47		Static		BW, 2015a
IW-18	545561	3525170	497374	3171.15	6/27/12		436.97		2734.18	Sierrita
IW-18	545561	3525170	497374	3171.15	6/27/12	436.97		Static		BW, 2015a
IW-18	545561	3525170	497374	3171.15	7/31/12	437.20		Static		BW, 2015a
IW-18	545561	3525170	497374	3171.15	8/22/12	437.68		Static		BW, 2015a
IW-18	545561	3525170	497374	3171.15	9/26/12	438.78		Static		BW, 2015a
IW-18	545561	3525170	497374	3171.15	10/26/12	439.56		Static		BW, 2015a
IW-18	545561	3525170	497374	3171.15	11/27/12	440.41		Static		BW, 2015a
IW-18	545561	3525170	497374	3171.15	5/14/13		443.11		2728.04	Sierrita
IW-18	545561	3525170	497374	3171.15	5/14/13	443.11		Static		BW, 2015a
IW-18	545561	3525170	497374	3171.15	6/25/13	443.11		Static		BW, 2015a
IW-18	545561	3525170	497374	3171.15	8/1/13	442.87		Static		BW, 2015a
IW-18	545561	3525170	497374	3171.15	10/28/13	441.41		Static		BW, 2015a
IW-18	545561	3525170	497374	3171.15	1/28/14		447.78		2723.37	Sierrita
IW-18	545561	3525170	497374	3171.15	2/24/14		449.75		2721.40	Sierrita
IW-18	545561	3525170	497374	3171.15	3/24/14		451.75		2719.40	Sierrita
IW-18	545561	3525170	497374	3171.15	4/25/14		453.68		2717.47	Sierrita
IW-18	545561	3525170	497374	3171.15	5/30/14		453.70		2717.45	Sierrita
IW-18	545561	3525170	497374	3171.15	1/12/16		461.82		2709.33	Sierrita
IW-18	545561	3525170	497374	3171.15	4/29/16		461.72		2709.43	Sierrita
IW-18	545561	3525170	497374	3171.15	10/5/16		462.02		2709.13	BW
IW-18	545561	3525170	497374	3171.15	4/18/17		461.42		2709.73	Sierrita
IW-18	545561	3525170	497374	3171.15	7/20/17		461.95		2709.20	BW
IW-18	545561	3525170	497374	3171.15	5/22/18		461.80		2709.35	BW
IW-18	545561	3525170	497374	3171.15	11/26/18		DRY		DRY	BW
IW-18	545561	3525170	497374	3171.15	5/7/19		DRY		DRY	BW
IW-18	545561	3525170	497374	3171.15	10/8/19		DRY		DRY	BW
IW-18	545561	3525170	497374	3171.15	6/5/20		DRY		DRY	BW
IW-18	545561	3525170	497374	3171.15	10/30/20		462.00		2709.15	BW
IW-18	545561	3525170	497374	3171.15	4/23/21		DRY		DRY	BW
IW-18	545561	3525170	497374	3171.15	5/22/21		DRY		DRY	BW
IW-18	545561	3525170	497374	3171.15	11/10/21		462.00		2709.15	BW
IW-19	545562	3525343	497374	3155.39	1/14/06	449.07		Dynamic		BW, 2015a

## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	497374	3155.39	2/20/06	447.90		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	3/14/06	448.30		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	4/15/06	449.90		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	5/14/06	444.50		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	6/10/06	445.36		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	7/16/06	447.60		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	8/13/06	447.80		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	9/16/06	447.38		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	10/20/06	448.80		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	11/11/06	418.60		Static		BW, 2015a
IW-19	545562	3525343	497374	3155.39	11/21/06		418.60		2736.79	Sierrita
IW-19	545562	3525343	497374	3155.39	12/16/06	448.60		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	1/29/07	448.65		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	2/23/07		444.65		2710.74	Sierrita
IW-19	545562	3525343	497374	3155.39	2/23/07	444.65		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	3/16/07	443.38		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	4/24/07	441.30		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	5/29/07	433.70		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	6/22/07	432.95		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	7/26/07		435.85		2719.54	Sierrita
IW-19	545562	3525343	497374	3155.39	8/29/07	435.05		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	11/29/07	450.52		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	1/29/08		451.28		2704.11	Sierrita
IW-19	545562	3525343	497374	3155.39	1/29/08	451.28		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	2/28/08	451.22		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	3/31/08	452.19		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	4/21/08		452.00		2703.39	Sierrita
IW-19	545562	3525343	497374	3155.39	4/30/08	452.00		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	5/27/08	452.45		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	6/30/08	451.40		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	7/29/08		451.88		2703.51	Sierrita
IW-19	545562	3525343	497374	3155.39	7/29/08	451.88		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	8/29/08	450.25		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	9/29/08	450.35		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	10/24/08		451.08		2704.31	Sierrita
IW-19	545562	3525343	497374	3155.39	10/24/08	451.08		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	1/29/09		451		2704.39	Sierrita
IW-19	545562	3525343	497374	3155.39	3/10/09	413.90		Static		BW, 2015a
IW-19	545562	3525343	497374	3155.39	5/13/09		413.90		2741.49	Sierrita
IW-19	545562	3525343	497374	3155.39	5/13/09	450.00		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	12/15/09	448.30		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	4/12/10		445.24		2710.15	Sierrita
IW-19	545562	3525343	497374	3155.39	3/9/11	437.57		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	4/14/11	407.82		Static		BW, 2015a
IW-19	545562	3525343	497374	3155.39	5/11/11		436.15		2719.24	Sierrita
IW-19	545562	3525343	497374	3155.39	5/11/11	436.15		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	6/29/11	430.75		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	7/12/11	407.21		Static		BW, 2015a
IW-19	545562	3525343	497374	3155.39	8/25/11	399.60		Static		BW, 2015a
IW-19	545562	3525343	497374	3155.39	12/29/11	433.09		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	1/26/12	433.88		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	2/28/12	408.38		Static		BW, 2015a
IW-19	545562	3525343	497374	3155.39	3/29/12	434.42		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	5/22/12	432.62		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	5/22/12		432.62		2722.77	Sierrita
IW-19	545562	3525343	497374	3155.39	6/27/12	409.19		Static		BW, 2015a
IW-19	545562	3525343	497374	3155.39	8/22/12	409.73		Static		BW, 2015a
IW-19	545562	3525343	497374	3155.39	9/26/12	435.37		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	10/26/12	411.86		Static		BW, 2015a
IW-19	545562	3525343	497374	3155.39	11/27/12	437.02		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	5/14/13		439.33		2716.06	Sierrita
IW-19	545562	3525343	497374	3155.39	6/25/13	415.12		Static		BW, 2015a
IW-19	545562	3525343	497374	3155.39	7/31/13	438.92		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	8/1/13	415.19		Static		BW, 2015a
IW-19	545562	3525343	497374	3155.39	10/28/13	416.00		Static		BW, 2015a
IW-19	545562	3525343	497374	3155.39	11/28/13	468.62		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	1/28/14		465.41		2689.98	Sierrita
IW-19	545562	3525343	497374	3155.39	1/28/14	465.41		Dynamic		BW, 2015a



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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	497374	3155.39	2/24/14	422.21		Static		BW, 2015a
IW-19	545562	3525343	497374	3155.39	2/25/14		422.21	Static	2733.18	Sierrita
IW-19	545562	3525343	497374	3155.39	3/24/14		469.27	Dynamic	2686.12	Sierrita
IW-19	545562	3525343	497374	3155.39	3/31/14	469.27		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	4/28/14		425.55	Dynamic	2729.84	Sierrita
IW-19	545562	3525343	497374	3155.39	5/30/14	469.21		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	5/30/14		469.21	Dynamic	2686.18	Sierrita
IW-19	545562	3525343	497374	3155.39	6/9/14		473.38	Dynamic	2682.01	Sierrita
IW-19	545562	3525343	497374	3155.39	6/9/14	473.38		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	7/7/14		474.40	Dynamic	2680.99	Sierrita
IW-19	545562	3525343	497374	3155.39	7/7/14	473.57		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	7/31/14		473.70	Dynamic	2681.69	Sierrita
IW-19	545562	3525343	497374	3155.39	7/31/14	473.70		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	8/27/14		428.00	Static	2727.39	Sierrita
IW-19	545562	3525343	497374	3155.39	8/27/14	428.00		Static		BW, 2015a
IW-19	545562	3525343	497374	3155.39	10/1/14		475.80	Dynamic	2679.59	Sierrita
IW-19	545562	3525343	497374	3155.39	10/1/14	474.97		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	11/4/14		475.50	Dynamic	2679.89	Sierrita
IW-19	545562	3525343	497374	3155.39	11/4/14	474.67		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	12/2/14		476.05	Dynamic	2679.34	Sierrita
IW-19	545562	3525343	497374	3155.39	12/2/14	475.22		Dynamic		BW, 2015a
IW-19	545562	3525343	497374	3155.39	4/9/15		482.20	Dynamic	2673.19	Sierrita
IW-19	545562	3525343	497374	3155.39	5/2/15		488.30	Dynamic	2667.09	Sierrita
IW-19	545562	3525343	497374	3155.39	6/11/15		431.40	Static	2723.99	Sierrita
IW-19	545562	3525343	497374	3155.39	7/18/15		435.95	Static	2719.44	Sierrita
IW-19	545562	3525343	497374	3155.39	10/7/15		439.15	Static	2716.24	Sierrita
IW-19	545562	3525343	497374	3155.39	11/4/15		504.00	Dynamic	2651.39	Sierrita
IW-19	545562	3525343	497374	3155.39	12/9/15		439.95	Static	2715.44	Sierrita
IW-19	545562	3525343	497374	3155.39	1/12/16		507.40	Dynamic	2647.99	Sierrita
IW-19	545562	3525343	497374	3155.39	2/11/16		506.30	Dynamic	2649.09	BW
IW-19	545562	3525343	497374	3155.39	3/4/16		439.55	Static	2715.84	BW
IW-19	545562	3525343	497374	3155.39	4/29/16		435.95	Static	2719.44	Sierrita
IW-19	545562	3525343	497374	3155.39	10/5/16		506.30	Dynamic	2649.09	BW
IW-19	545562	3525343	497374	3155.39	4/18/17		483.60	Dynamic	2671.79	Sierrita
IW-19	545562	3525343	497374	3155.39	7/20/17		506.00	Dynamic	2649.39	BW
IW-19	545562	3525343	497374	3155.39	5/22/18		502.70	Dynamic	2652.69	BW
IW-19	545562	3525343	497374	3155.39	6/5/20		481.10	Dynamic	2674.29	BW
IW-19	545562	3525343	497374	3155.39	5/22/21		417.10	Static	2738.29	BW
IW-20	545563	3525569	497365	3164.21	1/14/06	450.32		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	2/20/06	451.65		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	3/14/06	453.50		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	4/15/06	450.23		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	5/14/06	450.33		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	6/10/06	450.60		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	7/16/06	442.80		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	8/13/06	450.55		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	9/16/06	435.70		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	10/20/06	441.60		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	11/11/06	421.25		Static		BW, 2015a
IW-20	545563	3525569	497365	3164.21	11/21/06		421.25		2742.96	Sierrita
IW-20	545563	3525569	497365	3164.21	12/16/06	449.60		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	1/29/07		445.30		2718.91	Sierrita
IW-20	545563	3525569	497365	3164.21	1/29/07	445.30		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	3/16/07	417.72		Static		BW, 2015a
IW-20	545563	3525569	497365	3164.21	4/24/07	428.00		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	5/29/07	427.60		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	6/22/07	427.20		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	7/26/07		426.21		2738.00	Sierrita
IW-20	545563	3525569	497365	3164.21	8/29/07	447.90		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	10/16/07		424.15		2740.06	Sierrita
IW-20	545563	3525569	497365	3164.21	11/29/07	423.30		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	1/29/08		424.65		2739.56	Sierrita
IW-20	545563	3525569	497365	3164.21	1/29/08	424.65		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	2/28/08	424.68		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	3/31/08	425.05		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	4/21/08		425.15		2739.06	Sierrita
IW-20	545563	3525569	497365	3164.21	4/30/08	425.15		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	5/27/08	425.18		Dynamic		BW, 2015a



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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3525569	497365	3164.21	6/30/08	423.04		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	7/29/08		422.99		2741.22	Sierrita
IW-20	545563	3525569	497365	3164.21	7/29/08	422.99		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	8/29/08	424.44		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	9/29/08	424.04		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	10/24/08		424.14		2740.07	Sierrita
IW-20	545563	3525569	497365	3164.21	10/24/08	424.14		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	1/29/09		442		2722.21	Sierrita
IW-20	545563	3525569	497365	3164.21	3/10/09	414.00		Static		BW, 2015a
IW-20	545563	3525569	497365	3164.21	5/13/09		414.00		2750.21	Sierrita
IW-20	545563	3525569	497365	3164.21	5/13/09	423.00		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	12/15/09	418.80		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	4/29/10		418.07		2746.14	Sierrita
IW-20	545563	3525569	497365	3164.21	3/9/11	412.78		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	4/14/11	407.11		Static		BW, 2015a
IW-20	545563	3525569	497365	3164.21	5/11/11		413.15		2751.06	Sierrita
IW-20	545563	3525569	497365	3164.21	5/11/11	413.15		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	6/29/11	412.53		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	7/12/11	406.25		Static		BW, 2015a
IW-20	545563	3525569	497365	3164.21	8/25/11	412.15		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	12/29/11	412.80		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	1/26/12	406.99		Static		BW, 2015a
IW-20	545563	3525569	497365	3164.21	2/28/12	408.09		Static		BW, 2015a
IW-20	545563	3525569	497365	3164.21	3/29/12	414.89		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	6/20/12		414.50		2749.71	Sierrita
IW-20	545563	3525569	497365	3164.21	6/27/12	407.99		Static		BW, 2015a
IW-20	545563	3525569	497365	3164.21	8/22/12	409.11		Static		BW, 2015a
IW-20	545563	3525569	497365	3164.21	9/26/12	419.49		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	10/26/12	411.89		Static		BW, 2015a
IW-20	545563	3525569	497365	3164.21	11/27/12	419.84		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	6/17/13	417.26		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	6/17/13		417.26	Dynamic	2746.95	Sierrita
IW-20	545563	3525569	497365	3164.21	6/25/13	413.74		Static		BW, 2015a
IW-20	545563	3525569	497365	3164.21	8/1/13	415.77		Static		BW, 2015a
IW-20	545563	3525569	497365	3164.21	9/30/13	421.16		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	10/28/13	413.71		Static		BW, 2015a
IW-20	545563	3525569	497365	3164.21	11/28/13	421.93		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	12/9/13	417.48		Static		BW, 2015a
IW-20	545563	3525569	497365	3164.21	1/28/14		424.25	Dynamic	2739.96	Sierrita
IW-20	545563	3525569	497365	3164.21	1/28/14	424.25		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	2/24/14	420.71		Static		BW, 2015a
IW-20	545563	3525569	497365	3164.21	2/25/14		420.71	Static	2743.50	Sierrita
IW-20	545563	3525569	497365	3164.21	3/24/14		427.83	Dynamic	2736.38	Sierrita
IW-20	545563	3525569	497365	3164.21	3/31/14	427.83		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	4/28/14		421.94	Dynamic	2742.27	Sierrita
IW-20	545563	3525569	497365	3164.21	5/30/14	427.89		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	5/30/14		427.89	Dynamic	2736.32	Sierrita
IW-20	545563	3525569	497365	3164.21	6/9/14		429.20	Dynamic	2735.01	Sierrita
IW-20	545563	3525569	497365	3164.21	6/9/14	429.20		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	7/7/14		430.10	Dynamic	2734.11	Sierrita
IW-20	545563	3525569	497365	3164.21	7/7/14	429.77		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	7/31/14		430.00	Dynamic	2734.21	Sierrita
IW-20	545563	3525569	497365	3164.21	7/31/14	430.00		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	8/27/14		424.80	Static	2739.41	Sierrita
IW-20	545563	3525569	497365	3164.21	8/27/14	424.80		Static		BW, 2015a
IW-20	545563	3525569	497365	3164.21	10/1/14		432.80	Dynamic	2731.41	Sierrita
IW-20	545563	3525569	497365	3164.21	10/1/14	432.47		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	11/4/14		432.90	Dynamic	2731.31	Sierrita
IW-20	545563	3525569	497365	3164.21	11/4/14	432.57		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	12/2/14		435.80	Dynamic	2728.41	Sierrita
IW-20	545563	3525569	497365	3164.21	12/2/14	435.47		Dynamic		BW, 2015a
IW-20	545563	3525569	497365	3164.21	4/9/15		431.30	Static	2732.91	Sierrita
IW-20	545563	3525569	497365	3164.21	5/2/15		431.75	Static	2732.46	Sierrita
IW-20	545563	3525569	497365	3164.21	6/11/15		430.80	Static	2733.41	Sierrita
IW-20	545563	3525569	497365	3164.21	7/18/15		434.65	Static	2729.56	Sierrita
IW-20	545563	3525569	497365	3164.21	10/7/15		437.70	Static	2726.51	Sierrita
IW-20	545563	3525569	497365	3164.21	11/4/15		437.80	Static	2726.41	Sierrita
IW-20	545563	3525569	497365	3164.21	12/9/15		438.60	Static	2725.61	Sierrita

## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3525569	497365	3164.21	1/12/16		439.80	Static	2724.41	Sierrita
IW-20	545563	3525569	497365	3164.21	2/11/16		439.15	Static	2725.06	BW
IW-20	545563	3525569	497365	3164.21	3/4/16		438.70	Static	2725.51	BW
IW-20	545563	3525569	497365	3164.21	4/29/16		438.88	Static	2725.33	Sierrita
IW-20	545563	3525569	497365	3164.21	10/5/16		435.00	Static	2729.21	BW
IW-20	545563	3525569	497365	3164.21	4/18/17		432.09	Static	2732.12	Sierrita
IW-20	545563	3525569	497365	3164.21	7/20/17		431.00	Static	2733.21	BW
IW-20	545563	3525569	497365	3164.21	10/25/17		429.22	Static	2734.99	BW
IW-20	545563	3525569	497365	3164.21	5/22/18		428.80	Static	2735.41	BW
IW-20	545563	3525569	497365	3164.21	9/25/18		428.70	Static	2735.51	BW
IW-20	545563	3525569	497365	3164.21	11/26/18		429.50	Static	2734.71	BW
IW-20	545563	3525569	497365	3164.21	5/7/19		425.40	Static	2738.81	BW
IW-20	545563	3525569	497365	3164.21	10/8/19		425.10	Static	2739.11	BW
IW-20	545563	3525569	497365	3164.21	6/5/20		432.50	Static	2731.71	BW
IW-20	545563	3525569	497365	3164.21	10/30/20		437.10	Static	2727.11	BW
IW-20	545563	3525569	497365	3164.21	5/22/21		440.95	Static	2723.26	BW
IW-20	545563	3525569	497365	3164.21	11/20/21		442.32	Static	2721.89	BW
IW-20	545563	3525569	497365	3164.21	4/23/22		444.90	Static	2719.31	BW
IW-20	545563	3525569	497365	3164.21	12/20/22		447.42	Static	2716.79	BW
IW-21	545564	3525773	497375	3171.37	1/14/06	452.50		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	2/20/06	455.75		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	3/14/06	452.00		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	4/15/06	453.20		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	5/14/06	447.90		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	6/10/06	448.00		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	7/16/06	450.16		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	8/13/06	450.10		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	9/16/06	449.10		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	10/20/06	448.28		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	11/11/06	424.80		Static		BW, 2015a
IW-21	545564	3525773	497375	3171.37	11/21/06		424.80		2746.57	Sierrita
IW-21	545564	3525773	497375	3171.37	12/16/06	450.70		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	1/29/07	451.68		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	2/23/07		449.65		2721.72	Sierrita
IW-21	545564	3525773	497375	3171.37	2/23/07	449.65		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	3/16/07	448.68		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	4/24/07	447.70		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	5/29/07	446.36		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	6/22/07	444.15		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	7/26/07		454.04		2717.33	Sierrita
IW-21	545564	3525773	497375	3171.37	8/29/07	443.35		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	10/16/07		442.10		2729.27	Sierrita
IW-21	545564	3525773	497375	3171.37	11/29/07	441.00		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	1/29/08		441.68		2729.69	Sierrita
IW-21	545564	3525773	497375	3171.37	1/29/08	441.68		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	2/28/08	441.61		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	3/31/08	442.00		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	4/21/08		441.50		2729.87	Sierrita
IW-21	545564	3525773	497375	3171.37	4/30/08	441.50		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	5/27/08	439.42		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	7/29/08		454.00		2717.37	Sierrita
IW-21	545564	3525773	497375	3171.37	7/29/08	454.00		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	8/29/08	455.94		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	9/29/08	456.00		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	10/24/08		443.08		2728.29	Sierrita
IW-21	545564	3525773	497375	3171.37	10/24/08	455.89		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	1/29/09		484		2687.37	Sierrita
IW-21	545564	3525773	497375	3171.37	3/10/09	415.60		Static		BW, 2015a
IW-21	545564	3525773	497375	3171.37	5/13/09		415.60		2755.77	Sierrita
IW-21	545564	3525773	497375	3171.37	5/13/09	452.00		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	12/15/09	447.50		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	5/11/11		736.00		2435.37	Sierrita
IW-21	545564	3525773	497375	3171.37	4/15/13		612.58	Dynamic	2558.79	Sierrita
IW-21	545564	3525773	497375	3171.37	12/2/14	506.93		Dynamic		BW, 2015a
IW-21	545564	3525773	497375	3171.37	4/9/15		504.10	Dynamic	2667.27	Sierrita
IW-21	545564	3525773	497375	3171.37	5/2/15		501.80	Dynamic	2669.57	Sierrita
IW-21	545564	3525773	497375	3171.37	6/11/15		433.70	Static	2737.67	Sierrita
IW-21	545564	3525773	497375	3171.37	7/18/15		498.30	Dynamic	2673.07	Sierrita

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	497375	3171.37	10/7/15		512.00	Dynamic	2659.37	Sierrita
IW-21	545564	3525773	497375	3171.37	11/4/15		510.90	Dynamic	2660.47	Sierrita
IW-21	545564	3525773	497375	3171.37	12/9/15		502.70	Dynamic	2668.67	Sierrita
IW-21	545564	3525773	497375	3171.37	2/11/16		511.10	Dynamic	2660.27	BW
IW-21	545564	3525773	497375	3171.37	3/4/16		437.10	Static	2734.27	BW
IW-21	545564	3525773	497375	3171.37	4/29/16		510.10	Dynamic	2661.27	Sierrita
IW-21	545564	3525773	497375	3171.37	10/5/16		436.30	Static	2735.07	BW
IW-21	545564	3525773	497375	3171.37	4/18/17		431.37	Static	2740.00	Sierrita
IW-21	545564	3525773	497375	3171.37	7/20/17		430.23	Static	2741.14	BW
IW-21	545564	3525773	497375	3171.37	10/25/17		428.70	Static	2742.67	BW
IW-21	545564	3525773	497375	3171.37	5/22/18		425.80	Static	2745.57	BW
IW-21	545564	3525773	497375	3171.37	5/22/21		439.80	Static	2731.57	BW
IW-21	545564	3525773	497375	3171.37	11/20/21		441.55	Static	2729.82	BW
IW-21	545564	3525773	497375	3171.37	4/23/22		473.70	Dynamic	2697.67	BW
IW-21	545564	3525773	497375	3171.37	12/20/22		469.70	Dynamic	2701.67	BW
IW-22	200554	3523274	497370	3128.25	1/14/06	469.88		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	2/20/06	470.92		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	3/14/06	390.50		Static		BW, 2015a
IW-22	200554	3523274	497370	3128.25	4/15/06	477.00		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	5/14/06	462.00		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	6/10/06	461.37		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	7/16/06	460.80		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	8/13/06	464.28		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	9/16/06	466.65		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	10/20/06	465.25		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	11/11/06	434.75		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	11/21/06		434.75		2693.50	Sierrita
IW-22	200554	3523274	497370	3128.25	12/16/06	432.65		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	1/29/07	439.45		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	2/24/07		433.58		2694.67	Sierrita
IW-22	200554	3523274	497370	3128.25	2/24/07	433.58		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	3/17/07	434.90		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	4/24/07	435.60		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	5/30/07	435.10		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	6/22/07	438.55		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	7/31/07		430.00		2698.25	Sierrita
IW-22	200554	3523274	497370	3128.25	8/29/07	436.75		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	10/18/07		435.75		2692.50	Sierrita
IW-22	200554	3523274	497370	3128.25	11/29/07	436.90		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	1/29/08		438.50		2689.75	Sierrita
IW-22	200554	3523274	497370	3128.25	1/29/08	438.50		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	2/29/08	437.50		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	3/31/08	436.90		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	4/25/08		439.30		2688.95	Sierrita
IW-22	200554	3523274	497370	3128.25	4/30/08	439.30		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	5/27/08	439.00		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	6/30/08	441.00		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	7/29/08		442.08		2686.17	Sierrita
IW-22	200554	3523274	497370	3128.25	7/29/08	442.08		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	8/29/08	442.80		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	9/29/08	443.06		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	10/24/08		455.89		2672.36	Sierrita
IW-22	200554	3523274	497370	3128.25	10/24/08	443.08		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	1/21/09		442		2686.25	Sierrita
IW-22	200554	3523274	497370	3128.25	3/10/09	384.00		Static		BW, 2015a
IW-22	200554	3523274	497370	3128.25	5/13/09		384.00		2744.25	Sierrita
IW-22	200554	3523274	497370	3128.25	5/13/09	443.00		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	12/15/09	438.00		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	4/12/10		434.62		2693.63	Sierrita
IW-22	200554	3523274	497370	3128.25	3/9/11	424.56		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	4/15/11	378.72		Static		BW, 2015a
IW-22	200554	3523274	497370	3128.25	5/11/11		431.21		2697.04	Sierrita
IW-22	200554	3523274	497370	3128.25	5/11/11	431.21		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	6/27/11	430.12		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	7/12/11	369.50		Static		BW, 2015a
IW-22	200554	3523274	497370	3128.25	8/23/11	433.80		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	12/29/11	402.80		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	1/26/12	418.31		Dynamic		BW, 2015a

## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3523274	497370	3128.25	3/29/12	452.67		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	5/22/12	448.78		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	5/22/12		448.78		2679.47	Sierrita
IW-22	200554	3523274	497370	3128.25	6/27/12	382.79		Static		BW, 2015a
IW-22	200554	3523274	497370	3128.25	7/31/12	442.68		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	8/22/12	400.60		Static		BW, 2015a
IW-22	200554	3523274	497370	3128.25	9/26/12	462.71		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	10/26/12	408.11		Static		BW, 2015a
IW-22	200554	3523274	497370	3128.25	11/27/12	460.35		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	4/15/13		459.72	Dynamic	2668.53	Sierrita
IW-22	200554	3523274	497370	3128.25	6/25/13	408.44		Static		BW, 2015a
IW-22	200554	3523274	497370	3128.25	7/31/13	467.14		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	8/1/13	408.82		Static		BW, 2015a
IW-22	200554	3523274	497370	3128.25	9/30/13	467.52		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	10/29/13	415.89		Static		BW, 2015a
IW-22	200554	3523274	497370	3128.25	11/28/13	468.90		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	12/9/13	414.17		Static		BW, 2015a
IW-22	200554	3523274	497370	3128.25	1/28/14	467.14		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	1/29/14		467.14	Dynamic	2661.11	Sierrita
IW-22	200554	3523274	497370	3128.25	2/24/14	414.41		Static		BW, 2015a
IW-22	200554	3523274	497370	3128.25	2/25/14		414.41	Static	2713.84	Sierrita
IW-22	200554	3523274	497370	3128.25	3/24/14		471.95	Dynamic	2656.30	Sierrita
IW-22	200554	3523274	497370	3128.25	3/31/14	471.95		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	4/28/14		411.44		2716.81	Sierrita
IW-22	200554	3523274	497370	3128.25	5/30/14		466.14	Dynamic	2662.11	Sierrita
IW-22	200554	3523274	497370	3128.25	5/30/14	466.14		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	6/9/14		461.20	Dynamic	2667.05	Sierrita
IW-22	200554	3523274	497370	3128.25	6/9/14	461.20		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	7/7/14		459.10	Dynamic	2669.15	Sierrita
IW-22	200554	3523274	497370	3128.25	7/7/14	458.43		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	7/31/14		452.40	Dynamic	2675.85	Sierrita
IW-22	200554	3523274	497370	3128.25	7/31/14	452.40		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	8/27/14		397.80	Static	2730.45	Sierrita
IW-22	200554	3523274	497370	3128.25	8/27/14	397.80		Static		BW, 2015a
IW-22	200554	3523274	497370	3128.25	10/1/14		461.00	Dynamic	2667.25	Sierrita
IW-22	200554	3523274	497370	3128.25	10/1/14	460.33		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	11/4/14		452.80	Dynamic	2675.45	Sierrita
IW-22	200554	3523274	497370	3128.25	11/4/14	452.13		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	12/2/14		453.20	Dynamic	2675.05	Sierrita
IW-22	200554	3523274	497370	3128.25	12/2/14	452.53		Dynamic		BW, 2015a
IW-22	200554	3523274	497370	3128.25	4/9/15		451.70	Dynamic	2676.55	Sierrita
IW-22	200554	3523274	497370	3128.25	5/2/15	400.60		Static	2727.65	Sierrita
IW-22	200554	3523274	497370	3128.25	6/11/15	400.10		Static	2728.15	Sierrita
IW-22	200554	3523274	497370	3128.25	7/8/15	462.90		Dynamic	2665.35	Sierrita
IW-22	200554	3523274	497370	3128.25	10/7/15	475.40		Dynamic	2652.85	Sierrita
IW-22	200554	3523274	497370	3128.25	11/4/15	464.55		Dynamic	2663.70	Sierrita
IW-22	200554	3523274	497370	3128.25	12/9/15	472.90		Dynamic	2655.35	Sierrita
IW-22	200554	3523274	497370	3128.25	1/12/16	470.30		Dynamic	2657.95	Sierrita
IW-22	200554	3523274	497370	3128.25	2/11/16	464.35		Dynamic	2663.90	BW
IW-22	200554	3523274	497370	3128.25	3/4/16	412.40		Static	2715.85	BW
IW-22	200554	3523274	497370	3128.25	4/29/16	456.20		Dynamic	2672.05	Sierrita
IW-22	200554	3523274	497370	3128.25	10/5/16	401.17		Static	2727.08	BW
IW-22	200554	3523274	497370	3128.25	4/18/17	463.95		Dynamic	2664.30	Sierrita
IW-22	200554	3523274	497370	3128.25	7/20/17	449.55		Dynamic	2678.70	BW
IW-22	200554	3523274	497370	3128.25	10/25/17	394.60		Static	2733.65	BW
IW-22	200554	3523274	497370	3128.25	5/22/18	389.20		Static	2739.05	BW
IW-22	200554	3523274	497370	3128.25	9/25/18	387.50		Static	2740.75	BW
IW-22	200554	3523274	497370	3128.25	11/26/18	388.30		Static	2739.95	BW
IW-22	200554	3523274	497370	3128.25	5/7/19	385.00		Static	2743.25	BW
IW-23	200555	3522971	497369	3128.53	1/14/06	464.40		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	3/14/06	377.75		Static		BW, 2015a
IW-23	200555	3522971	497369	3128.53	4/15/06	504.00		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	5/14/06	472.25		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	6/10/06	490.55		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	7/16/06	470.30		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	11/11/06	544.50		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	12/16/06		544.50		2584.03	Sierrita
IW-23	200555	3522971	497369	3128.53	12/16/06	493.02		Dynamic		BW, 2015a



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Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3522971	497369	3128.53	1/29/07	497.00		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	2/24/07		499.20		2629.33	Sierrita
IW-23	200555	3522971	497369	3128.53	2/24/07	499.20		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	3/17/07	496.00		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	4/24/07	491.30		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	5/30/07	497.70		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	6/26/07	503.30		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	7/31/07		500.00		2628.53	Sierrita
IW-23	200555	3522971	497369	3128.53	8/29/07	500.50		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	10/18/07		518.95		2609.58	Sierrita
IW-23	200555	3522971	497369	3128.53	3/10/09	375.00		Static		BW, 2015a
IW-23	200555	3522971	497369	3128.53	5/13/09		375.00		2753.53	Sierrita
IW-23	200555	3522971	497369	3128.53	5/13/09	510.00		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	4/12/10		538.78		2589.75	Sierrita
IW-23	200555	3522971	497369	3128.53	3/9/11	384.85				BW, 2015a
IW-23	200555	3522971	497369	3128.53	4/15/11	369.88		Static		BW, 2015a
IW-23	200555	3522971	497369	3128.53	5/11/11		516.15		2612.38	Sierrita
IW-23	200555	3522971	497369	3128.53	5/11/11	516.15		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	6/27/11	525.00		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	7/12/11	372.42		Static		BW, 2015a
IW-23	200555	3522971	497369	3128.53	8/23/11	538.30		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	12/29/11	534.50		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	1/26/12	529.71		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	3/29/12	546.38		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	5/22/12	523.21		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	5/22/12		523.21		2605.32	Sierrita
IW-23	200555	3522971	497369	3128.53	8/22/12	381.70		Static		BW, 2015a
IW-23	200555	3522971	497369	3128.53	9/26/12	535.61		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	10/26/12	384.71		Static		BW, 2015a
IW-23	200555	3522971	497369	3128.53	11/27/12	483.41		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	4/15/13		482.11	Dynamic	2646.42	Sierrita
IW-23	200555	3522971	497369	3128.53	6/25/13	385.08		Static		BW, 2015a
IW-23	200555	3522971	497369	3128.53	8/1/13	385.44		Static		BW, 2015a
IW-23	200555	3522971	497369	3128.53	9/30/13	426.62		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	10/30/13	394.39		Static		BW, 2015a
IW-23	200555	3522971	497369	3128.53	11/28/13	428.20		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	12/9/13	387.59		Static		BW, 2015a
IW-23	200555	3522971	497369	3128.53	1/28/14	528.47		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	1/29/14		528.47	Dynamic	2600.06	Sierrita
IW-23	200555	3522971	497369	3128.53	2/24/14	389.51		Static		BW, 2015a
IW-23	200555	3522971	497369	3128.53	2/25/14		389.51	Static	2739.02	Sierrita
IW-23	200555	3522971	497369	3128.53	4/28/14		385.17	Dynamic	2743.36	Sierrita
IW-23	200555	3522971	497369	3128.53	5/30/14	519.31		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	5/30/14		519.31	Dynamic	2609.22	Sierrita
IW-23	200555	3522971	497369	3128.53	6/9/14		546.60	Dynamic	2581.93	Sierrita
IW-23	200555	3522971	497369	3128.53	6/9/14	546.60		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	7/6/14		546.60	Dynamic	2581.93	Sierrita
IW-23	200555	3522971	497369	3128.53	7/6/14	545.73		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	7/31/14		534.90	Dynamic	2593.63	Sierrita
IW-23	200555	3522971	497369	3128.53	7/31/14	534.90		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	8/27/14					Sierrita
IW-23	200555	3522971	497369	3128.53	10/1/14		546.65	Dynamic	2581.88	Sierrita
IW-23	200555	3522971	497369	3128.53	10/1/14	545.78		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	11/4/14		525.20	Dynamic	2603.33	Sierrita
IW-23	200555	3522971	497369	3128.53	11/4/14	524.33		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	12/2/14		539.60	Dynamic	2588.93	Sierrita
IW-23	200555	3522971	497369	3128.53	12/2/14	538.73		Dynamic		BW, 2015a
IW-23	200555	3522971	497369	3128.53	4/9/15		471.70	Dynamic	2656.83	Sierrita
IW-23	200555	3522971	497369	3128.53	5/2/15		484.70	Dynamic	2643.83	Sierrita
IW-23	200555	3522971	497369	3128.53	6/11/15		379.95	Static	2748.58	Sierrita
IW-23	200555	3522971	497369	3128.53	7/8/15		482.40	Dynamic	2646.13	Sierrita
IW-23	200555	3522971	497369	3128.53	11/4/15		468.00	Dynamic	2660.53	Sierrita
IW-23	200555	3522971	497369	3128.53	12/9/15		383.50	Static	2745.03	Sierrita
IW-23	200555	3522971	497369	3128.53	2/11/16		377.40	Static	2751.13	BW
IW-23	200555	3522971	497369	3128.53	3/4/16		376.30	Static	2752.23	BW
IW-23	200555	3522971	497369	3128.53	4/29/16		372.40	Static	2756.13	Sierrita
IW-23	200555	3522971	497369	3128.53	10/5/16		369.75	Static	2758.78	BW
IW-23	200555	3522971	497369	3128.53	4/19/17		375.15	Static	2753.38	Sierrita

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IW-23	200555	3522971	497369	3128.53	7/20/17		372.90	Static	2755.63	BW
IW-23	200555	3522971	497369	3128.53	10/25/17		367.40	Static	2761.13	BW
IW-23	200555	3522971	497369	3128.53	5/22/18		365.00	Static	2763.53	BW
IW-23	200555	3522971	497369	3128.53	9/25/18		367.20	Static	2761.33	BW
IW-23	200555	3522971	497369	3128.53	11/26/18		368.25	Static	2760.28	BW
IW-23	200555	3522971	497369	3128.53	5/7/19		364.80	Static	2763.73	BW
IW-23	200555	3522971	497369	3128.53	10/8/19		372.00	Static	2756.53	BW
IW-23	200555	3522971	497369	3128.53	6/5/20		378.40	Static	2750.13	BW
IW-23	200555	3522971	497369	3128.53	10/30/20		381.70	Static	2746.83	BW
IW-23	200555	3522971	497369	3128.53	5/22/21		388.30	Static	2740.23	BW
IW-23	200555	3522971	497369	3128.53	11/20/21		607.50	Dynamic	2521.03	BW
IW-23	200555	3522971	497369	3128.53	4/23/22		619.30	Dynamic	2509.23	BW
IW-23	200555	3522971	497369	3128.53	12/20/22		606.67	Dynamic	2521.86	BW
IW-24	200556	3522634	497372	3113.29	1/14/06	416.70		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	2/20/06	392.50		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	3/14/06	353.90		Static		BW, 2015a
IW-24	200556	3522634	497372	3113.29	4/15/06	495.72		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	5/14/06	418.20		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	6/10/06	446.65		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	7/16/06	412.75		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	8/13/06	477.00		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	9/16/06	418.00		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	10/20/06	545.50		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	11/11/06	395.80		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	3/3/07	344.00		Static		BW, 2015a
IW-24	200556	3522634	497372	3113.29	5/30/07	353.50		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	2/29/08	555.10		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	3/31/08	525.25		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	4/25/08		522.50		2590.79	Sierrita
IW-24	200556	3522634	497372	3113.29	4/30/08	522.50		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	5/27/08	433.30		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	6/30/08	451.50		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	7/29/08		452.50		2660.79	Sierrita
IW-24	200556	3522634	497372	3113.29	7/29/08	452.50		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	8/29/08	467.00		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	8/29/08	467.66		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	10/24/08		466.99		2646.30	Sierrita
IW-24	200556	3522634	497372	3113.29	10/24/08	466.99		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	3/10/09	348.00		Static		BW, 2015a
IW-24	200556	3522634	497372	3113.29	5/13/09		348.00		2765.29	Sierrita
IW-24	200556	3522634	497372	3113.29	5/13/09	526.50		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	4/12/10		522.90		2590.39	Sierrita
IW-24	200556	3522634	497372	3113.29	3/24/11	480.11		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	4/15/11	345.38		Static		BW, 2015a
IW-24	200556	3522634	497372	3113.29	5/11/11		456.05		2657.24	Sierrita
IW-24	200556	3522634	497372	3113.29	5/11/11	456.05		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	6/27/11	446.19		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	7/12/11	346.60		Static		BW, 2015a
IW-24	200556	3522634	497372	3113.29	8/23/11	426.80		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	12/29/11	458.40		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	1/26/12	478.61		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	2/28/12	349.58		Static		BW, 2015a
IW-24	200556	3522634	497372	3113.29	5/22/12	512.88		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	5/22/12		512.88		2600.41	Sierrita
IW-24	200556	3522634	497372	3113.29	6/27/12	354.00		Static		BW, 2015a
IW-24	200556	3522634	497372	3113.29	7/31/12	439.87		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	8/22/12	355.46		Static		BW, 2015a
IW-24	200556	3522634	497372	3113.29	9/28/12	441.60		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	10/26/12	355.87		Static		BW, 2015a
IW-24	200556	3522634	497372	3113.29	11/28/12	543.91		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	4/15/13		533.21		2580.08	Sierrita
IW-24	200556	3522634	497372	3113.29	6/25/13	356.47		Static		BW, 2015a
IW-24	200556	3522634	497372	3113.29	7/31/13	544.16		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	8/1/13	355.91		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	9/30/13	544.71		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	10/30/13	359.61		Static		BW, 2015a
IW-24	200556	3522634	497372	3113.29	11/28/13	536.89		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	1/28/14	522.00		Dynamic		BW, 2015a



## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3522634	497372	3113.29	1/28/14		522.00	Dynamic	2591.29	Sierrita
IW-24	200556	3522634	497372	3113.29	2/24/14	358.72		Static		BW, 2015a
IW-24	200556	3522634	497372	3113.29	2/25/14		358.72	Static	2754.57	Sierrita
IW-24	200556	3522634	497372	3113.29	3/25/14		517.78	Dynamic	2595.51	Sierrita
IW-24	200556	3522634	497372	3113.29	3/31/14	517.78		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	4/28/14		356.88	Dynamic	2756.41	Sierrita
IW-24	200556	3522634	497372	3113.29	5/30/14		514.60	Dynamic	2598.69	Sierrita
IW-24	200556	3522634	497372	3113.29	5/30/14	514.60		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	6/9/14		499.00	Dynamic	2614.29	Sierrita
IW-24	200556	3522634	497372	3113.29	6/9/14	499.00		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	7/6/14		483.40	Dynamic	2629.89	Sierrita
IW-24	200556	3522634	497372	3113.29	7/6/14	482.90		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	7/31/14		457.10	Dynamic	2656.19	Sierrita
IW-24	200556	3522634	497372	3113.29	7/31/14	457.10		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	8/27/14		355.00	Static	2758.29	Sierrita
IW-24	200556	3522634	497372	3113.29	8/27/14	355.00		Static		BW, 2015a
IW-24	200556	3522634	497372	3113.29	10/1/14		458.25	Dynamic	2655.04	Sierrita
IW-24	200556	3522634	497372	3113.29	10/1/14	457.75		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	11/4/14		475.15	Dynamic	2638.14	Sierrita
IW-24	200556	3522634	497372	3113.29	11/4/14	474.65		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	12/2/14		466.90	Dynamic	2646.39	Sierrita
IW-24	200556	3522634	497372	3113.29	12/2/14	466.40		Dynamic		BW, 2015a
IW-24	200556	3522634	497372	3113.29	4/9/15		399.90	Dynamic	2713.39	Sierrita
IW-24	200556	3522634	497372	3113.29	5/2/15		407.60	Dynamic	2705.69	Sierrita
IW-24	200556	3522634	497372	3113.29	6/11/15		359.80	Static	2753.49	Sierrita
IW-24	200556	3522634	497372	3113.29	7/8/15		404.85	Dynamic	2708.44	Sierrita
IW-24	200556	3522634	497372	3113.29	10/7/15		403.40	Dynamic	2709.89	Sierrita
IW-24	200556	3522634	497372	3113.29	11/4/15		399.65	Dynamic	2713.64	Sierrita
IW-24	200556	3522634	497372	3113.29	12/9/15		409.25	Dynamic	2704.04	Sierrita
IW-24	200556	3522634	497372	3113.29	1/12/16		416.10	Dynamic	2697.19	Sierrita
IW-24	200556	3522634	497372	3113.29	2/11/16		401.60	Dynamic	2711.69	BW
IW-24	200556	3522634	497372	3113.29	3/4/16		394.75	Dynamic	2718.54	BW
IW-24	200556	3522634	497372	3113.29	4/29/16		389.90	Dynamic	2723.39	Sierrita
IW-24	200556	3522634	497372	3113.29	10/5/16		349.62	Static	2763.67	BW
IW-24	200556	3522634	497372	3113.29	4/19/17		390.30	Dynamic	2722.99	Sierrita
IW-24	200556	3522634	497372	3113.29	7/20/17		349.20	Static	2764.09	BW
IW-24	200556	3522634	497372	3113.29	10/25/17		345.15	Static	2768.14	BW
IW-24	200556	3522634	497372	3113.29	5/22/18		346.90	Static	2766.39	BW
IW-24	200556	3522634	497372	3113.29	9/25/18		447.85	Static	2665.44	BW
IW-24	200556	3522634	497372	3113.29	11/26/18		349.85	Static	2763.44	BW
IW-24	200556	3522634	497372	3113.29	5/7/19		345.15	Static	2768.14	BW
IW-24	200556	3522634	497372	3113.29	10/8/19		350.60	Static	2762.69	BW
IW-24	200556	3522634	497372	3113.29	6/5/20		356.40	Static	2756.89	BW
IW-24	200556	3522634	497372	3113.29	10/30/20		358.27	Static	2755.02	BW
IW-24	200556	3522634	497372	3113.29	5/22/21		361.80	Static	2751.49	BW
IW-24	200556	3522634	497372	3113.29	11/20/21		363.10	Static	2750.19	BW
IW-24	200556	3522634	497372	3113.29	4/23/22		382.35	Dynamic	2730.94	BW
IW-24	200556	3522634	497372	3113.29	12/20/22		378.30	Dynamic	2734.99	BW
IW-25	219596	3521718	497641	3091.66	10/28/10	375.00		Dynamic		BW, 2015a
IW-25	219596	3521718	497641	3091.66	10/28/10	351.00		Static		BW, 2015a
IW-25	219596	3521718	497641	3091.66	5/21/12	400.85		Dynamic		BW, 2015a
IW-25	219596	3521718	497641	3091.66	6/30/12	380.50		Static		BW, 2015a
IW-25	219596	3521718	497641	3091.66	7/31/12	465.37		Dynamic		BW, 2015a
IW-25	219596	3521718	497641	3091.66	8/25/12	380.20		Static		BW, 2015a
IW-25	219596	3521718	497641	3091.66	9/28/12	462.88		Dynamic		BW, 2015a
IW-25	219596	3521718	497641	3091.66	11/28/12	427.43		Static		BW, 2015a
IW-25	219596	3521718	497641	3091.66	4/15/13		422.52	Dynamic	2669.14	Sierrita
IW-25	219596	3521718	497641	3091.66	6/26/13	380.43		Static		BW, 2015a
IW-25	219596	3521718	497641	3091.66	7/31/13	451.60		Dynamic		BW, 2015a
IW-25	219596	3521718	497641	3091.66	8/1/13	378.56		Static		BW, 2015a
IW-25	219596	3521718	497641	3091.66	9/30/13	451.58		Dynamic		BW, 2015a
IW-25	219596	3521718	497641	3091.66	10/31/13	384.18		Static		BW, 2015a
IW-25	219596	3521718	497641	3091.66	11/28/13	452.68		Dynamic		BW, 2015a
IW-25	219596	3521718	497641	3091.66	12/9/13	388.78		Static		BW, 2015a
IW-25	219596	3521718	497641	3091.66	1/28/14	447.14		Dynamic		BW, 2015a
IW-25	219596	3521718	497641	3091.66	3/31/14	445.09		Dynamic		BW, 2015a
IW-25	219596	3521718	497641	3091.66	5/30/14	442.11		Dynamic		BW, 2015a
IW-25	219596	3521718	497641	3091.66	6/9/14	436.90		Dynamic		BW, 2015a

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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-25	219596	3521718	497641	3091.66	6/9/14		436.90	Dynamic	2654.76	Sierrita
IW-25	219596	3521718	497641	3091.66	7/6/14	434.97		Dynamic		BW, 2015a
IW-25	219596	3521718	497641	3091.66	7/31/14	436.10		Dynamic		BW, 2015a
IW-25	219596	3521718	497641	3091.66	8/27/14	379.50		Static		BW, 2015a
IW-25	219596	3521718	497641	3091.66	10/1/14	442.32		Dynamic		BW, 2015a
IW-25	219596	3521718	497641	3091.66	11/4/14	437.37		Dynamic		BW, 2015a
IW-25	219596	3521718	497641	3091.66	12/2/14	440.87		Dynamic		BW, 2015a
IW-25	219596	3521718	497641	3091.66	4/9/15		433.00	Dynamic	2658.66	Sierrita
IW-25	219596	3521718	497641	3091.66	5/2/15		439.70	Dynamic	2651.96	Sierrita
IW-25	219596	3521718	497641	3091.66	6/11/15		439.40	Dynamic	2652.26	Sierrita
IW-25	219596	3521718	497641	3091.66	7/8/15		444.75	Dynamic	2646.91	Sierrita
IW-25	219596	3521718	497641	3091.66	10/7/15		441.50	Dynamic	2650.16	Sierrita
IW-25	219596	3521718	497641	3091.66	11/4/15		439.05	Dynamic	2652.61	Sierrita
IW-25	219596	3521718	497641	3091.66	12/9/15		443.00	Dynamic	2648.66	Sierrita
IW-25	219596	3521718	497641	3091.66	1/12/16		438.75	Dynamic	2652.91	Sierrita
IW-25	219596	3521718	497641	3091.66	2/11/16		424.75	Dynamic	2666.91	BW
IW-25	219596	3521718	497641	3091.66	3/4/16		417.30	Dynamic	2674.36	BW
IW-25	219596	3521718	497641	3091.66	4/29/16		416.90	Dynamic	2674.76	Sierrita
IW-25	219596	3521718	497641	3091.66	10/5/16		413.50	Dynamic	2678.16	BW
IW-25	219596	3521718	497641	3091.66	4/19/17		425.50	Dynamic	2666.16	Sierrita
IW-25	219596	3521718	497641	3091.66	7/20/17		405.65	Dynamic	2686.01	BW
IW-25	219596	3521718	497641	3091.66	10/25/17		413.47	Dynamic	2678.19	BW
IW-25	219596	3521718	497641	3091.66	5/22/18		412.90	Dynamic	2678.76	BW
IW-25	219596	3521718	497641	3091.66	9/25/18		419.40	Dynamic	2672.26	BW
IW-25	219596	3521718	497641	3091.66	11/26/18		379.70	Static	2711.96	BW
IW-25	219596	3521718	497641	3091.66	5/7/19		362.90	Static	2728.76	BW
IW-25	219596	3521718	497641	3091.66	10/8/19		437.60	Dynamic	2654.06	BW
IW-25	219596	3521718	497641	3091.66	6/5/20		375.10	Static	2716.56	BW
IW-25	219596	3521718	497641	3091.66	10/30/20		452.20	Dynamic	2639.46	BW
IW-25	219596	3521718	497641	3091.66	5/22/21		476.20	Dynamic	2615.46	BW
IW-25	219596	3521718	497641	3091.66	11/20/21		446.70	Dynamic	2644.96	BW
IW-25	219596	3521718	497641	3091.66	4/23/22		433.00	Dynamic	2658.66	BW
IW-25	219596	3521718	497641	3091.66	12/20/22		393.35	Static	2698.31	BW
IW-26	219143	3522307	497653	3100.03	10/10/10	361.00		Static		BW, 2015a
IW-26	219143	3522307	497653	3100.03	10/10/10	394.00		Dynamic		BW, 2015a
IW-26	219143	3522307	497653	3100.03	5/21/12	484.33		Dynamic		BW, 2015a
IW-26	219143	3522307	497653	3100.03	6/30/12	376.70		Static		BW, 2015a
IW-26	219143	3522307	497653	3100.03	7/31/12	487.67		Dynamic		BW, 2015a
IW-26	219143	3522307	497653	3100.03	8/25/12	376.70		Static		BW, 2015a
IW-26	219143	3522307	497653	3100.03	9/28/12	481.21		Dynamic		BW, 2015a
IW-26	219143	3522307	497653	3100.03	11/28/12	493.38		Dynamic		BW, 2015a
IW-26	219143	3522307	497653	3100.03	4/15/13		492.21	Dynamic	2607.82	Sierrita
IW-26	219143	3522307	497653	3100.03	6/26/13	384.32		Static		BW, 2015a
IW-26	219143	3522307	497653	3100.03	7/31/13	494.16		Dynamic		BW, 2015a
IW-26	219143	3522307	497653	3100.03	8/1/13	383.28		Static		BW, 2015a
IW-26	219143	3522307	497653	3100.03	9/30/13	494.24		Dynamic		BW, 2015a
IW-26	219143	3522307	497653	3100.03	10/29/13	384.54		Static		BW, 2015a
IW-26	219143	3522307	497653	3100.03	10/31/13	384.21		Static		BW, 2015a
IW-26	219143	3522307	497653	3100.03	11/28/13	382.75		Static		BW, 2015a
IW-26	219143	3522307	497653	3100.03	12/9/13	382.88		Static		BW, 2015a
IW-26	219143	3522307	497653	3100.03	1/28/14	380.61		Static		BW, 2015a
IW-26	219143	3522307	497653	3100.03	3/31/14	380.55		Static		BW, 2015a
IW-26	219143	3522307	497653	3100.03	5/30/14	379.35		Static		BW, 2015a
IW-26	219143	3522307	497653	3100.03	6/9/14	376.80		Static		BW, 2015a
IW-26	219143	3522307	497653	3100.03	6/9/14		376.80	Static	2723.23	Sierrita
IW-26	219143	3522307	497653	3100.03	7/6/14	378.29		Static		BW, 2015a
IW-26	219143	3522307	497653	3100.03	7/31/14	377.60		Static		BW, 2015a
IW-26	219143	3522307	497653	3100.03	8/27/14	377.60		Static		BW, 2015a
IW-26	219143	3522307	497653	3100.03	10/1/14	377.69		Static		BW, 2015a
IW-26	219143	3522307	497653	3100.03	11/4/14	377.89		Static		BW, 2015a
IW-26	219143	3522307	497653	3100.03	12/2/14	379.19		Static		BW, 2015a
IW-26	219143	3522307	497653	3100.03	4/9/15		432.60	Dynamic	2667.43	Sierrita
IW-26	219143	3522307	497653	3100.03	5/2/15		436.70	Dynamic	2663.33	Sierrita
IW-26	219143	3522307	497653	3100.03	6/11/15		439.30	Dynamic	2660.73	Sierrita
IW-26	219143	3522307	497653	3100.03	7/8/15		441.60	Dynamic	2658.43	Sierrita
IW-26	219143	3522307	497653	3100.03	10/7/15		442.95	Dynamic	2657.08	Sierrita
IW-26	219143	3522307	497653	3100.03	11/4/15		441.10	Dynamic	2658.93	Sierrita
IW-26	219143	3522307	497653	3100.03	12/9/15		445.15	Dynamic	2654.88	Sierrita

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IW-26	219143	3522307	497653	3100.03	1/12/16		443.85	Dynamic	2656.18	Sierrita
IW-26	219143	3522307	497653	3100.03	2/11/16		437.40	Dynamic	2662.63	BW
IW-26	219143	3522307	497653	3100.03	3/4/16		431.20	Dynamic	2668.83	BW
IW-26	219143	3522307	497653	3100.03	4/29/16		428.00	Dynamic	2672.03	Sierrita
IW-26	219143	3522307	497653	3100.03	10/5/16		378.60	Static	2721.43	BW
IW-26	219143	3522307	497653	3100.03	4/19/17		423.20	Dynamic	2676.83	Sierrita
IW-26	219143	3522307	497653	3100.03	7/20/17		414.45	Dynamic	2685.58	BW
IW-26	219143	3522307	497653	3100.03	10/25/17		412.90	Dynamic	2687.13	BW
IW-26	219143	3522307	497653	3100.03	5/22/18		416.60	Dynamic	2683.43	BW
IW-26	219143	3522307	497653	3100.03	9/25/18		416.70	Dynamic	2683.33	BW
IW-26	219143	3522307	497653	3100.03	11/26/18		382.20	Static	2717.83	BW
IW-26	219143	3522307	497653	3100.03	5/7/19		371.60	Static	2728.43	BW
IW-26	219143	3522307	497653	3100.03	10/8/19		426.30	Dynamic	2673.73	BW
IW-26	219143	3522307	497653	3100.03	6/5/20		434.40	Dynamic	2665.63	BW
IW-26	219143	3522307	497653	3100.03	10/30/20		392.40	Static	2707.63	BW
IW-26	219143	3522307	497653	3100.03	5/22/21		451.70	Dynamic	2648.33	BW
IW-26	219143	3522307	497653	3100.03	11/20/21		460.25	Dynamic	2639.78	BW
IW-26	219143	3522307	497653	3100.03	4/23/22		467.45	Dynamic	2632.58	BW
IW-26	219143	3522307	497653	3100.03	12/20/22		469.92	Dynamic	2630.11	BW
IW-27	219136	3522650	497601	3120.33	12/3/10	393.30		Dynamic		BW, 2015a
IW-27	219136	3522650	497601	3120.33	12/3/10	378.50		Static		BW, 2015a
IW-27	219136	3522650	497601	3120.33	5/22/12	416.34		Dynamic		BW, 2015a
IW-27	219136	3522650	497601	3120.33	10/30/13	395.56		Static		BW, 2015a
IW-27	219136	3522650	497601	3120.33	11/28/13	395.04		Static		BW, 2015a
IW-27	219136	3522650	497601	3120.33	12/9/13	395.21		Static		BW, 2015a
IW-27	219136	3522650	497601	3120.33	1/28/14	394.70		Static		BW, 2015a
IW-27	219136	3522650	497601	3120.33	2/24/14	418.11		Dynamic		BW, 2015a
IW-27	219136	3522650	497601	3120.33	3/31/14	394.72		Static		BW, 2015a
IW-27	219136	3522650	497601	3120.33	5/30/14	394.32		Static		BW, 2015a
IW-27	219136	3522650	497601	3120.33	6/5/14		393.50	Static	2726.83	Sierrita
IW-27	219136	3522650	497601	3120.33	6/5/14	393.50		Static		BW, 2015a
IW-27	219136	3522650	497601	3120.33	7/6/14	392.32		Static		BW, 2015a
IW-27	219136	3522650	497601	3120.33	7/31/14	392.50		Static		BW, 2015a
IW-27	219136	3522650	497601	3120.33	8/27/14	392.70		Static		BW, 2015a
IW-27	219136	3522650	497601	3120.33	10/1/14	393.02		Static		BW, 2015a
IW-27	219136	3522650	497601	3120.33	11/4/14	455.07		Dynamic		BW, 2015a
IW-27	219136	3522650	497601	3120.33	12/2/14	459.52		Dynamic		BW, 2015a
IW-27	219136	3522650	497601	3120.33	4/9/15		457.85	Dynamic	2662.48	Sierrita
IW-27	219136	3522650	497601	3120.33	5/2/15		466.20	Dynamic	2654.13	Sierrita
IW-27	219136	3522650	497601	3120.33	6/11/15		471.10	Dynamic	2649.23	Sierrita
IW-27	219136	3522650	497601	3120.33	7/8/15		468.55	Dynamic	2651.78	Sierrita
IW-27	219136	3522650	497601	3120.33	10/7/15		468.00	Dynamic	2652.33	Sierrita
IW-27	219136	3522650	497601	3120.33	11/4/15		458.95	Dynamic	2661.38	Sierrita
IW-27	219136	3522650	497601	3120.33	12/9/15		470.00	Dynamic	2650.33	Sierrita
IW-27	219136	3522650	497601	3120.33	1/12/16		473.25	Dynamic	2647.08	Sierrita
IW-27	219136	3522650	497601	3120.33	2/11/16		464.25	Dynamic	2656.08	BW
IW-27	219136	3522650	497601	3120.33	3/4/16		458.35	Dynamic	2661.98	BW
IW-27	219136	3522650	497601	3120.33	4/29/16		458.80	Dynamic	2661.53	Sierrita
IW-27	219136	3522650	497601	3120.33	10/5/16		396.75	Static	2723.58	BW
IW-27	219136	3522650	497601	3120.33	4/19/17		450.02	Dynamic	2670.31	Sierrita
IW-27	219136	3522650	497601	3120.33	7/20/17		439.65	Dynamic	2680.68	BW
IW-27	219136	3522650	497601	3120.33	10/25/17		438.60	Dynamic	2681.73	BW
IW-27	219136	3522650	497601	3120.33	5/22/18		432.40	Dynamic	2687.93	BW
IW-27	219136	3522650	497601	3120.33	9/25/18		428.55	Dynamic	2691.78	BW
IW-27	219136	3522650	497601	3120.33	11/26/18		396.25	Static	2724.08	BW
IW-27	219136	3522650	497601	3120.33	5/7/19		409.20	Dynamic	2711.13	BW
IW-27	219136	3522650	497601	3120.33	10/8/19		429.30	Dynamic	2691.03	BW
IW-27	219136	3522650	497601	3120.33	6/5/20		453.75	Dynamic	2666.58	BW
IW-27	219136	3522650	497601	3120.33	5/22/21		463.40	Dynamic	2656.93	BW
IW-27	219136	3522650	497601	3120.33	11/20/21		477.75	Dynamic	2642.58	BW
IW-27	219136	3522650	497601	3120.33	4/23/22		487.80	Dynamic	2632.53	BW
IW-27	219136	3522650	497601	3120.33	12/20/22		496.00	Dynamic	2624.33	BW
IW-28	219137	3523175	497653	3110.71	1/5/11	409.00		Dynamic		BW, 2015a
IW-28	219137	3523175	497653	3110.71	1/5/11	382.00		Static		BW, 2015a
IW-28	219137	3523175	497653	3110.71	5/22/12	439.61		Dynamic		BW, 2015a
IW-28	219137	3523175	497653	3110.71	6/30/12	392.40		Static		BW, 2015a
IW-28	219137	3523175	497653	3110.71	7/31/12	451.37		Dynamic		BW, 2015a
IW-28	219137	3523175	497653	3110.71	8/25/12	392.40		Static		BW, 2015a

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Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3523175	497653	3110.71	9/28/12	449.60		Dynamic		BW, 2015a
IW-28	219137	3523175	497653	3110.71	11/27/12	451.70		Dynamic		BW, 2015a
IW-28	219137	3523175	497653	3110.71	4/15/13		447.89	Dynamic	2662.82	Sierrita
IW-28	219137	3523175	497653	3110.71	6/26/13	403.12		Static		BW, 2015a
IW-28	219137	3523175	497653	3110.71	7/31/13	453.58		Dynamic		BW, 2015a
IW-28	219137	3523175	497653	3110.71	8/1/13	401.30		Static		BW, 2015a
IW-28	219137	3523175	497653	3110.71	9/30/13	454.16		Dynamic		BW, 2015a
IW-28	219137	3523175	497653	3110.71	10/31/13	405.26		Static		BW, 2015a
IW-28	219137	3523175	497653	3110.71	11/28/13	442.66		Dynamic		BW, 2015a
IW-28	219137	3523175	497653	3110.71	12/9/13	405.53		Static		BW, 2015a
IW-28	219137	3523175	497653	3110.71	1/28/14	424.78		Dynamic		BW, 2015a
IW-28	219137	3523175	497653	3110.71	2/24/14	405.49		Static		BW, 2015a
IW-28	219137	3523175	497653	3110.71	3/31/14	439.97		Dynamic		BW, 2015a
IW-28	219137	3523175	497653	3110.71	5/30/14	440.07		Dynamic		BW, 2015a
IW-28	219137	3523175	497653	3110.71	6/9/14		434.70	Dynamic	2676.01	Sierrita
IW-28	219137	3523175	497653	3110.71	6/9/14	434.70		Dynamic		BW, 2015a
IW-28	219137	3523175	497653	3110.71	7/6/14	432.39		Dynamic		BW, 2015a
IW-28	219137	3523175	497653	3110.71	7/31/14	431.80		Dynamic		BW, 2015a
IW-28	219137	3523175	497653	3110.71	8/27/14	400.95		Static		BW, 2015a
IW-28	219137	3523175	497653	3110.71	10/1/14	433.44		Dynamic		BW, 2015a
IW-28	219137	3523175	497653	3110.71	11/4/14	433.39		Dynamic		BW, 2015a
IW-28	219137	3523175	497653	3110.71	12/2/14	434.49		Dynamic		BW, 2015a
IW-28	219137	3523175	497653	3110.71	4/9/15		434.70	Dynamic	2676.01	Sierrita
IW-28	219137	3523175	497653	3110.71	5/2/15		434.50	Dynamic	2676.21	Sierrita
IW-28	219137	3523175	497653	3110.71	6/11/15		434.50	Dynamic	2676.21	Sierrita
IW-28	219137	3523175	497653	3110.71	7/8/15		437.10	Dynamic	2673.61	Sierrita
IW-28	219137	3523175	497653	3110.71	10/7/15		443.25	Dynamic	2667.46	Sierrita
IW-28	219137	3523175	497653	3110.71	11/4/15		441.50	Dynamic	2669.21	Sierrita
IW-28	219137	3523175	497653	3110.71	12/9/15		444.20	Dynamic	2666.51	Sierrita
IW-28	219137	3523175	497653	3110.71	1/12/16		441.50	Dynamic	2669.21	Sierrita
IW-28	219137	3523175	497653	3110.71	2/11/16		439.20	Dynamic	2671.51	BW
IW-28	219137	3523175	497653	3110.71	4/29/16		435.45	Dynamic	2675.26	Sierrita
IW-28	219137	3523175	497653	3110.71	10/5/16		404.35	Static	2706.36	BW
IW-28	219137	3523175	497653	3110.71	4/19/17		434.52	Dynamic	2676.19	Sierrita
IW-28	219137	3523175	497653	3110.71	7/20/17		433.65	Dynamic	2677.06	BW
IW-28	219137	3523175	497653	3110.71	10/25/17		429.30	Dynamic	2681.41	BW
IW-28	219137	3523175	497653	3110.71	5/22/18		424.70	Dynamic	2686.01	BW
IW-28	219137	3523175	497653	3110.71	9/25/18		421.50	Dynamic	2689.21	BW
IW-28	219137	3523175	497653	3110.71	11/26/18		398.40	Static	2712.31	BW
IW-28	219137	3523175	497653	3110.71	5/7/19		409.65	Dynamic	2701.06	BW
IW-28	219137	3523175	497653	3110.71	10/8/19		402.90	Static	2707.81	BW
IW-28	219137	3523175	497653	3110.71	6/5/20		411.30	Static	2699.41	BW
IW-28	219137	3523175	497653	3110.71	10/30/20		469.00	Dynamic	2641.71	BW
IW-28	219137	3523175	497653	3110.71	5/22/21		481.10	Dynamic	2629.61	BW
IW-28	219137	3523175	497653	3110.71	11/20/21		483.00	Dynamic	2627.71	BW
IW-28	219137	3523175	497653	3110.71	4/23/22		483.40	Dynamic	2627.31	BW
IW-28	219137	3523175	497653	3110.71	12/20/22		486.25	Dynamic	2624.46	BW
IW-29	222865	3523071	498081	3088.00	5/12/14		389.50	Static	2698.50	Sierrita
IW-29	222865	3523071	498081	3088.00	5/13/14	389.75		Static		BW, 2015b
IW-29	222865	3523071	498081	3088.00	8/27/14	394.7		Static		BW, 2015b
IW-29	222865	3523071	498081	3088.00	4/9/15		436.10	Dynamic	2651.90	Sierrita
IW-29	222865	3523071	498081	3088.00	5/2/15		437.85	Dynamic	2650.15	Sierrita
IW-29	222865	3523071	498081	3088.00	6/11/15		437.80	Dynamic	2650.20	Sierrita
IW-29	222865	3523071	498081	3088.00	7/18/15		437.60	Dynamic	2650.40	Sierrita
IW-29	222865	3523071	498081	3088.00	10/7/15		408.50	Static	2679.50	Sierrita
IW-29	222865	3523071	498081	3088.00	11/4/15		437.88	Dynamic	2650.12	Sierrita
IW-29	222865	3523071	498081	3088.00	12/9/15		407.90	Static	2680.10	Sierrita
IW-29	222865	3523071	498081	3088.00	2/11/16		437.60	Dynamic	2650.40	BW
IW-29	222865	3523071	498081	3088.00	3/4/16		437.52	Dynamic	2650.48	BW
IW-29	222865	3523071	498081	3088.00	4/29/16		434.10	Dynamic	2653.90	Sierrita
IW-29	222865	3523071	498081	3088.00	10/5/16		437.55	Dynamic	2650.45	BW
IW-29	222865	3523071	498081	3088.00	4/19/17		438.20	Dynamic	2649.80	Sierrita
IW-29	222865	3523071	498081	3088.00	7/20/17		437.60	Dynamic	2650.40	BW
IW-29	222865	3523071	498081	3088.00	10/25/17		437.85	Dynamic	2650.15	BW
IW-29	222865	3523071	498081	3088.00	5/22/18		437.60	Dynamic	2650.40	BW
IW-29	222865	3523071	498081	3088.00	9/25/18		437.80	Dynamic	2650.20	BW
IW-29	222865	3523071	498081	3088.00	11/26/18		404.95	Static	2683.05	BW
IW-29	222865	3523071	498081	3088.00	5/7/19		430.90	Dynamic	2657.10	BW



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Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bis)	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
IW-29	222865	3523071	498081	3088.00	10/8/19		437.60	Dynamic	2650.40	BW
IW-29	222865	3523071	498081	3088.00	6/5/20		441.20	Dynamic	2646.80	BW
IW-29	222865	3523071	498081	3088.00	12/20/22		467.75	Dynamic	2620.25	BW
M-1	85228	3531163	500055	2959.57	5/2/19		470.58	Static	2488.99	Sierrita
M-1	85228	3531163	500055	2959.57	12/19/19		477.26	Static	2482.31	Sierrita
M-1	85228	3531163	500055	2959.57	6/9/20		478.11	Static	2481.46	Sierrita
M-1	85228	3531163	500055	2959.57	11/16/20		485.46	Static	2474.11	Sierrita
M-1	85228	3531163	500055	2959.57	6/1/21		482.44	Static	2477.13	Sierrita
M-1	85228	3531163	500055	2959.57	12/8/21		479.35	Static	2480.22	Sierrita
M-1	85228	3531163	500055	2959.57	6/3/22		480.41	Static	2479.16	Sierrita
M-1	85228	3531163	500055	2959.57	10/18/22		482.60	Static	2476.97	Sierrita
M-5	87387	3530799	499641	2994.14	6/16/15		490.32	Static	2503.82	Sierrita
M-5	87387	3530799	499641	2994.14	11/17/15		494.45	Static	2499.69	Sierrita
M-5	87387	3530799	499641	2994.14	6/15/16		494.60	Static	2499.54	Sierrita
M-5	87387	3530799	499641	2994.14	12/8/16		494.92	Static	2499.22	Sierrita
M-5	87387	3530799	499641	2994.14	5/17/17		499.12	Static	2495.02	Sierrita
M-5	87387	3530799	499641	2994.14	11/13/17		507.50	Static	2486.64	Sierrita
M-5	87387	3530799	499641	2994.14	6/8/18		508.92	Static	2485.22	Sierrita
M-5	87387	3530799	499641	2994.14	11/14/18		513.21	Static	2480.93	Sierrita
M-5	87387	3530799	499641	2994.14	5/2/19		507.65	Static	2486.49	Sierrita
M-5	87387	3530799	499641	2994.14	12/17/19		515.85	Static	2478.29	Sierrita
M-5	87387	3530799	499641	2994.14	6/10/20		514.82	Static	2479.32	Sierrita
M-5	87387	3530799	499641	2994.14	12/1/20		521.72	Static	2472.42	Sierrita
M-5	87387	3530799	499641	2994.14	6/1/21		519.25	Static	2474.89	Sierrita
M-5	87387	3530799	499641	2994.14	12/8/21		518.30	Static	2475.84	Sierrita
M-5	87387	3530799	499641	2994.14	6/7/22		516.97	Static	2477.17	Sierrita
M-5	87387	3530799	499641	2994.14	12/5/22		517.67	Static	2476.47	Sierrita
M-8	87390	3529692	499659	2996.96	1/15/07		460.92		2536.04	Sierrita
M-8	87390	3529692	499659	2996.96	4/16/07		458.83		2538.13	Sierrita
M-8	87390	3529692	499659	2996.96	7/10/07		462.57		2534.39	Sierrita
M-8	87390	3529692	499659	2996.96	10/8/07		465.65		2531.31	Sierrita
M-8	87390	3529692	499659	2996.96	1/9/08		464.68		2532.28	Sierrita
M-8	87390	3529692	499659	2996.96	4/14/08		462.50		2534.46	Sierrita
M-8	87390	3529692	499659	2996.96	7/25/08		466.18		2530.78	Sierrita
M-8	87390	3529692	499659	2996.96	10/28/08		468.82		2528.14	Sierrita
M-8	87390	3529692	499659	2996.96	1/20/09		466.25		2530.71	Sierrita
M-8	87390	3529692	499659	2996.96	5/12/09		465.10		2531.86	Sierrita
M-8	87390	3529692	499659	2996.96	11/5/09		465.60		2531.36	Sierrita
M-8	87390	3529692	499659	2996.96	5/28/10		466.61		2530.35	Sierrita
M-8	87390	3529692	499659	2996.96	10/21/10		471.61		2525.35	Sierrita
M-8	87390	3529692	499659	2996.96	6/15/11		467.35		2529.61	Sierrita
M-8	87390	3529692	499659	2996.96	11/17/11		471.23		2525.73	Sierrita
M-8	87390	3529692	499659	2996.96	6/29/12		464.98		2531.98	Sierrita
M-8	87390	3529692	499659	2996.96	10/29/12		472.66		2524.30	Sierrita
M-8	87390	3529692	499659	2996.96	4/17/13		466.32		2530.64	Sierrita
M-8	87390	3529692	499659	2996.96	5/21/13		464.70		2532.26	Sierrita
M-8	87390	3529692	499659	2996.96	10/29/13		472.55		2524.41	Sierrita
M-8	87390	3529692	499659	2996.96	3/12/14		472.63		2524.33	Sierrita
M-8	87390	3529692	499659	2996.96	4/22/14		473.69		2523.27	Sierrita
M-8	87390	3529692	499659	2996.96	5/8/14		473.53		2523.43	Sierrita
M-8	87390	3529692	499659	2996.96	6/9/14		476.70	Static	2520.26	Sierrita
M-8	87390	3529692	499659	2996.96	7/28/14		479.96		2517.00	Sierrita
M-8	87390	3529692	499659	2996.96	8/7/14		480.13		2516.83	Sierrita
M-8	87390	3529692	499659	2996.96	9/8/14		481.99	Static	2514.97	Sierrita
M-8	87390	3529692	499659	2996.96	10/28/14		484.31		2512.65	Sierrita
M-8	87390	3529692	499659	2996.96	11/4/14		484.66		2512.30	Sierrita
M-8	87390	3529692	499659	2996.96	12/16/14		484.74	Static	2512.22	Sierrita
M-8	87390	3529692	499659	2996.96	1/29/15		484.88	Static	2512.08	Sierrita
M-8	87390	3529692	499659	2996.96	2/27/15		484.93	Static	2512.03	Sierrita
M-8	87390	3529692	499659	2996.96	3/19/15		484.02	Static	2512.94	Sierrita
M-8	87390	3529692	499659	2996.96	4/6/15		484.53	Static	2512.43	Sierrita
M-8	87390	3529692	499659	2996.96	5/21/15		486.24	Static	2510.72	Sierrita
M-8	87390	3529692	499659	2996.96	6/1/15		486.56	Static	2510.40	Sierrita
M-8	87390	3529692	499659	2996.96	8/25/16		496.75	Static	2500.21	Sierrita
M-8	87390	3529692	499659	2996.96	10/27/16		499.00	Static	2497.96	Sierrita
M-8	87390	3529692	499659	2996.96	1/17/17		499.46	Static	2497.50	Sierrita
M-8	87390	3529692	499659	2996.96	5/8/17		499.98	Static	2496.98	Sierrita
M-8	87390	3529692	499659	2996.96	7/10/17		504.25	Static	2492.71	Sierrita

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Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bis)	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
M-8	87390	3529692	499659	2996.96	10/2/17		507.95	Static	2489.01	Sierrita
M-8	87390	3529692	499659	2996.96	1/9/18		507.59	Static	2489.37	Sierrita
M-8	87390	3529692	499659	2996.96	3/29/18		507.50	Static	2489.46	Sierrita
M-8	87390	3529692	499659	2996.96	5/9/18		508.42	Static	2488.54	Sierrita
M-8	87390	3529692	499659	2996.96	11/6/18		514.12	Static	2482.84	Sierrita
M-8	87390	3529692	499659	2996.96	4/16/19		510.69	Static	2486.27	Sierrita
M-8	87390	3529692	499659	2996.96	10/29/19		519.92	Static	2477.04	Sierrita
M-8	87390	3529692	499659	2996.96	4/23/20		515.13	Static	2481.83	Sierrita
M-8	87390	3529692	499659	2996.96	11/4/20		517.30	Static	2479.66	Sierrita
M-9	501652	3530304	499984	2971.02	7/18/06		442.70		2528.32	Sierrita
M-9	501652	3530304	499984	2971.02	1/15/07		445.76		2525.26	Sierrita
M-9	501652	3530304	499984	2971.02	7/10/07		450.75		2520.27	Sierrita
M-9	501652	3530304	499984	2971.02	10/8/07		453.15		2517.87	Sierrita
M-9	501652	3530304	499984	2971.02	1/8/08		447.50		2523.52	Sierrita
M-9	501652	3530304	499984	2971.02	4/14/08		448.50		2522.52	Sierrita
M-9	501652	3530304	499984	2971.02	7/21/08		454.27		2516.75	Sierrita
M-9	501652	3530304	499984	2971.02	10/28/08		457.72		2513.30	Sierrita
M-9	501652	3530304	499984	2971.02	1/20/09		450.78		2520.24	Sierrita
M-9	501652	3530304	499984	2971.02	5/13/09		452.00		2519.02	Sierrita
M-9	501652	3530304	499984	2971.02	6/16/10		453.85		2517.17	Sierrita
M-9	501652	3530304	499984	2971.02	6/2/11		452.35		2518.67	Sierrita
M-9	501652	3530304	499984	2971.02	6/27/12		455.78		2515.24	Sierrita
M-9	501652	3530304	499984	2971.02	5/1/13		473.80		2497.22	Sierrita
M-9	501652	3530304	499984	2971.02	3/12/14		483.66		2487.36	Sierrita
M-9	501652	3530304	499984	2971.02	4/22/14		464.39		2506.63	Sierrita
M-9	501652	3530304	499984	2971.02	5/8/14		464.37		2506.65	Sierrita
M-9	501652	3530304	499984	2971.02	6/9/14		457.78		2513.24	Sierrita
M-9	501652	3530304	499984	2971.02	7/28/14		461.34		2509.68	Sierrita
M-9	501652	3530304	499984	2971.02	8/7/14		462.06		2508.96	Sierrita
M-9	501652	3530304	499984	2971.02	9/8/14		463.43	Static	2507.59	Sierrita
M-9	501652	3530304	499984	2971.02	10/28/14		464.55		2506.47	Sierrita
M-9	501652	3530304	499984	2971.02	11/4/14		466.10		2504.92	Sierrita
M-9	501652	3530304	499984	2971.02	12/16/14		467.81	Static	2503.21	Sierrita
M-9	501652	3530304	499984	2971.02	1/20/15		461.04	Static	2509.98	Sierrita
M-9	501652	3530304	499984	2971.02	2/27/15		465.19	Static	2505.83	Sierrita
M-9	501652	3530304	499984	2971.02	3/19/15		460.12	Static	2510.90	Sierrita
M-9	501652	3530304	499984	2971.02	4/6/15		460.84	Static	2510.18	Sierrita
M-9	501652	3530304	499984	2971.02	5/21/15		461.18	Static	2509.84	Sierrita
M-9	501652	3530304	499984	2971.02	6/1/15		461.29	Static	2509.73	Sierrita
M-9	501652	3530304	499984	2971.02	7/23/15		467.84	Static	2503.18	Sierrita
M-9	501652	3530304	499984	2971.02	8/31/15		469.81	Static	2501.21	Sierrita
M-9	501652	3530304	499984	2971.02	11/17/15		470.74	Static	2500.28	Sierrita
M-9	501652	3530304	499984	2971.02	1/7/16		466.20	Static	2504.82	Sierrita
M-9	501652	3530304	499984	2971.02	2/9/16		465.51	Static	2505.51	Sierrita
M-9	501652	3530304	499984	2971.02	3/7/16		465.39	Static	2505.63	Sierrita
M-9	501652	3530304	499984	2971.02	4/25/16		466.80	Static	2504.22	Sierrita
M-9	501652	3530304	499984	2971.02	8/24/16		473.63	Static	2497.39	Sierrita
M-9	501652	3530304	499984	2971.02	12/8/16		474.77	Static	2496.25	Sierrita
M-9	501652	3530304	499984	2971.02	1/11/17		471.26	Static	2499.76	Sierrita
M-9	501652	3530304	499984	2971.02	5/8/17		474.45	Static	2496.57	Sierrita
M-9	501652	3530304	499984	2971.02	7/10/17		479.57	Static	2491.45	Sierrita
M-9	501652	3530304	499984	2971.02	10/2/17		483.45	Static	2487.57	Sierrita
M-9	501652	3530304	499984	2971.02	1/9/18		480.40	Static	2490.62	Sierrita
M-9	501652	3530304	499984	2971.02	5/9/18		483.24	Static	2487.78	Sierrita
M-9	501652	3530304	499984	2971.02	11/14/18		489.12	Static	2481.90	Sierrita
M-9	501652	3530304	499984	2971.02	4/15/19		483.17	Static	2487.85	Sierrita
M-9	501652	3530304	499984	2971.02	4/23/20		487.20	Static	2483.82	Sierrita
M-9	501652	3530304	499984	2971.02	5/18/21		494.60	Static	2476.42	Sierrita
M-9	501652	3530304	499984	2971.02	10/21/21		495.31	Static	2475.71	Sierrita
M-9	501652	3530304	499984	2971.02	5/2/22		492.65	Static	2478.37	Sierrita
M-10	501653	3530143	499659	3002.69	7/18/06		472.72		2529.97	Sierrita
M-10	501653	3530143	499659	3002.69	1/15/07		473.65		2529.04	Sierrita
M-10	501653	3530143	499659	3002.69	4/16/07		471.47		2531.22	Sierrita
M-10	501653	3530143	499659	3002.69	7/10/07		477.16		2525.53	Sierrita
M-10	501653	3530143	499659	3002.69	10/8/07		478.45		2524.24	Sierrita
M-10	501653	3530143	499659	3002.69	1/8/08		477.60		2525.09	Sierrita
M-10	501653	3530143	499659	3002.69	4/14/08		475.48		2527.21	Sierrita
M-10	501653	3530143	499659	3002.69	7/21/08		480.15		2522.54	Sierrita



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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bis)	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
M-10	501653	3530143	499659	3002.69	10/28/08		483.70		2518.99	Sierrita
M-10	501653	3530143	499659	3002.69	1/20/09		475.85		2526.84	Sierrita
M-10	501653	3530143	499659	3002.69	5/12/09		478.80		2523.89	Sierrita
M-10	501653	3530143	499659	3002.69	11/5/09		481.20		2521.49	Sierrita
M-10	501653	3530143	499659	3002.69	6/4/10		480.29		2522.40	Sierrita
M-10	501653	3530143	499659	3002.69	10/21/10		486.40		2516.29	Sierrita
M-10	501653	3530143	499659	3002.69	5/10/11		478.33		2524.36	Sierrita
M-10	501653	3530143	499659	3002.69	11/16/11		484.66		2518.03	Sierrita
M-10	501653	3530143	499659	3002.69	6/25/12		482.73		2519.96	Sierrita
M-10	501653	3530143	499659	3002.69	10/29/12		486.64		2516.05	Sierrita
M-10	501653	3530143	499659	3002.69	4/17/13		478.63		2524.06	Sierrita
M-10	501653	3530143	499659	3002.69	10/29/13		486.07		2516.62	Sierrita
M-10	501653	3530143	499659	3002.69	4/22/14		483.06	Static	2519.63	Sierrita
M-10	501653	3530143	499659	3002.69	11/4/14		493.67	Static	2509.02	Sierrita
M-10	501653	3530143	499659	3002.69	4/6/15		491.46	Static	2511.23	Sierrita
M-10	501653	3530143	499659	3002.69	12/5/16		503.92	Static	2498.77	Sierrita
M-10	501653	3530143	499659	3002.69	1/17/17		504.16	Static	2498.53	Sierrita
M-10	501653	3530143	499659	3002.69	5/8/17		505.32	Static	2497.37	Sierrita
M-10	501653	3530143	499659	3002.69	7/10/17		510.00	Static	2492.69	Sierrita
M-10	501653	3530143	499659	3002.69	10/2/17		513.65	Static	2489.04	Sierrita
M-10	501653	3530143	499659	3002.69	1/9/18		512.06	Static	2490.63	Sierrita
M-10	501653	3530143	499659	3002.69	5/9/18		513.21	Static	2489.48	Sierrita
M-10	501653	3530143	499659	3002.69	11/6/18		520.04	Static	2482.65	Sierrita
M-10	501653	3530143	499659	3002.69	4/15/19		514.93	Static	2487.76	Sierrita
M-10	501653	3530143	499659	3002.69	10/29/19		526.10	Static	2476.59	Sierrita
M-10	501653	3530143	499659	3002.69	4/23/20		519.23	Static	2483.46	Sierrita
M-10	501653	3530143	499659	3002.69	11/4/20		522.79	Static	2479.90	Sierrita
M-10	501653	3530143	499659	3002.69	5/18/21		525.77	Static	2476.92	Sierrita
M-10	501653	3530143	499659	3002.69	10/21/21		528.68	Static	2474.01	Sierrita
M-10	501653	3530143	499659	3002.69	5/2/22		524.52	Static	2478.17	Sierrita
M-10	501653	3530143	499659	3002.69	10/17/22		529.40	Static	2473.29	Sierrita
M-11	501654	3530758	500267	2938.82	6/16/15		433.11	Static	2505.71	Sierrita
M-11	501654	3530758	500267	2938.82	11/17/15		435.43	Static	2503.39	Sierrita
M-11	501654	3530758	500267	2938.82	6/15/16		437.35	Static	2501.47	Sierrita
M-11	501654	3530758	500267	2938.82	12/8/16		439.08	Static	2499.74	Sierrita
M-11	501654	3530758	500267	2938.82	5/17/17		455.78	Static	2483.04	Sierrita
M-11	501654	3530758	500267	2938.82	11/9/17		449.40	Static	2489.42	Sierrita
M-11	501654	3530758	500267	2938.82	6/8/18		451.91	Static	2486.91	Sierrita
M-11	501654	3530758	500267	2938.82	11/14/18		454.89	Static	2483.93	Sierrita
M-11	501654	3530758	500267	2938.82	5/2/19		449.58	Static	2489.24	Sierrita
M-11	501654	3530758	500267	2938.82	12/17/19		456.79	Static	2482.03	Sierrita
M-11	501654	3530758	500267	2938.82	6/9/20		456.99	Static	2481.83	Sierrita
M-11	501654	3530758	500267	2938.82	12/1/20		462.68	Static	2476.14	Sierrita
M-11	501654	3530758	500267	2938.82	6/1/21		461.55	Static	2477.27	Sierrita
M-11	501654	3530758	500267	2938.82	12/8/21		458.56	Static	2480.26	Sierrita
M-11	501654	3530758	500267	2938.82	6/3/22		459.49	Static	2479.33	Sierrita
M-11	501654	3530758	500267	2938.82	12/5/22		458.30	Static	2480.52	Sierrita
M-13	508428	3530907	498739	3077.00	6/18/15		569.71	Static	2507.29	Sierrita
M-13	508428	3530907	498739	3077.00	11/17/15		574.92	Static	2502.08	Sierrita
M-13	508428	3530907	498739	3077.00	6/15/16		573.72	Static	2503.28	Sierrita
M-13	508428	3530907	498739	3077.00	12/8/16		575.10	Static	2501.90	Sierrita
M-13	508428	3530907	498739	3077.00	5/17/17		577.90	Static	2499.10	Sierrita
M-13	508428	3530907	498739	3077.00	11/9/17		587.07	Static	2489.93	Sierrita
M-13	508428	3530907	498739	3077.00	6/8/18		587.71	Static	2489.29	Sierrita
M-20	906595	3528492	499082	3054.00	7/18/06		484.18		2569.82	Sierrita
M-20	906595	3528492	499082	3054.00	1/15/07		489.14		2564.86	Sierrita
M-20	906595	3528492	499082	3054.00	7/10/07		486.70		2567.30	Sierrita
M-20	906595	3528492	499082	3054.00	7/12/07		493.26		2560.74	Sierrita
M-20	906595	3528492	499082	3054.00	1/9/08		495.80		2558.20	Sierrita
M-20	906595	3528492	499082	3054.00	4/14/08		494.22		2559.78	Sierrita
M-20	906595	3528492	499082	3054.00	7/25/08		493.70		2560.30	Sierrita
M-20	906595	3528492	499082	3054.00	10/28/08		498.00		2556.00	Sierrita
M-20	906595	3528492	499082	3054.00	1/20/09		497.75		2556.25	Sierrita
M-20	906595	3528492	499082	3054.00	5/12/09		496.80		2557.20	Sierrita
M-20	906595	3528492	499082	3054.00	5/28/10		498.51		2555.49	Sierrita
M-20	906595	3528492	499082	3054.00	5/9/11		499.14		2554.86	Sierrita
M-20	906595	3528492	499082	3054.00	6/26/12		500.50		2553.50	Sierrita
M-20	906595	3528492	499082	3054.00	4/23/13		499.65		2554.35	Sierrita

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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-20	906595	3528492	499082	3054.00	4/22/14		511.42	Static	2542.58	Sierrita
M-20	906595	3528492	499082	3054.00	4/27/15		529.31	Static	2524.69	Sierrita
M-20	906595	3528492	499082	3054.00	11/18/15		536.18	Static	2517.82	Sierrita
M-20	906595	3528492	499082	3054.00	4/26/16		538.43	Static	2515.57	Sierrita
M-20	906595	3528492	499082	3054.00	12/8/16		539.96	Static	2514.04	Sierrita
M-20	906595	3528492	499082	3054.00	5/8/17		545.90	Static	2508.10	Sierrita
M-20	906595	3528492	499082	3054.00	11/13/17		553.71	Static	2500.29	Sierrita
M-20	906595	3528492	499082	3054.00	5/14/18		553.91	Static	2500.09	Sierrita
M-20	906595	3528492	499082	3054.00	6/21/18		556.53	Static	2497.47	Sierrita
M-20	906595	3528492	499082	3054.00	11/14/18		558.51	Static	2495.49	Sierrita
M-20	906595	3528492	499082	3054.00	4/16/19		556.21	Static	2497.79	Sierrita
M-20	906595	3528492	499082	3054.00	12/17/19		561.99	Static	2492.01	Sierrita
M-20	906595	3528492	499082	3054.00	4/24/20		560.85	Static	2493.15	Sierrita
M-20	906595	3528492	499082	3054.00	12/1/20		564.29	Static	2489.71	Sierrita
M-20	906595	3528492	499082	3054.00	5/13/21		565.20	Static	2488.80	Sierrita
M-20	906595	3528492	499082	3054.00	12/8/21		566.97	Static	2487.03	Sierrita
M-20	906595	3528492	499082	3054.00	5/6/22		566.84	Static	2487.16	Sierrita
M-20	906595	3528492	499082	3054.00	12/5/22		568.14	Static	2485.86	Sierrita
MC-1	221660	3525205	498910	3038.62	5/22/13	435.55		Dynamic		BW, 2015a
MC-1	221660	3525205	498910	3038.62	5/22/13	418.97		Static		BW, 2015a
MC-1	221660	3525205	498910	3038.62	1/15/14		440.93	Dynamic	2597.69	Sierrita
MC-1	221660	3525205	498910	3038.62	1/15/14		440.93	Dynamic		BW, 2015a
MC-1	221660	3525205	498910	3038.62	1/22/14		437.02	Dynamic	2601.60	Sierrita
MC-1	221660	3525205	498910	3038.62	1/22/14		437.02	Dynamic		BW, 2015a
MC-1	221660	3525205	498910	3038.62	1/28/14		442.57	Dynamic		BW, 2015a
MC-1	221660	3525205	498910	3038.62	1/29/14		442.57	Dynamic	2596.05	Sierrita
MC-1	221660	3525205	498910	3038.62	2/5/14	443.86		Dynamic		BW, 2015a
MC-1	221660	3525205	498910	3038.62	2/12/14	444.84		Dynamic		BW, 2015a
MC-1	221660	3525205	498910	3038.62	3/13/14		447.98	Dynamic	2590.64	Sierrita
MC-1	221660	3525205	498910	3038.62	5/14/14		455.31	Dynamic	2583.31	Sierrita
MC-1	221660	3525205	498910	3038.62	5/30/14	455.31		Dynamic		BW, 2015a
MC-1	221660	3525205	498910	3038.62	6/9/14		456.50	Dynamic	2582.12	Sierrita
MC-1	221660	3525205	498910	3038.62	6/9/14	456.50		Dynamic		BW, 2015a
MC-1	221660	3525205	498910	3038.62	7/6/14		458.90	Dynamic	2579.72	Sierrita
MC-1	221660	3525205	498910	3038.62	7/6/14	458.40		Dynamic		BW, 2015a
MC-1	221660	3525205	498910	3038.62	7/31/14		460.50	Dynamic	2578.12	Sierrita
MC-1	221660	3525205	498910	3038.62	7/31/14	460.50		Dynamic		BW, 2015a
MC-1	221660	3525205	498910	3038.62	8/27/14		462.20	Dynamic	2576.42	Sierrita
MC-1	221660	3525205	498910	3038.62	8/27/14	462.20		Dynamic		BW, 2015a
MC-1	221660	3525205	498910	3038.62	10/1/14		450.25	Static	2588.37	Sierrita
MC-1	221660	3525205	498910	3038.62	10/1/14	449.75		Static		BW, 2015a
MC-1	221660	3525205	498910	3038.62	11/4/14		466.80	Dynamic	2571.82	Sierrita
MC-1	221660	3525205	498910	3038.62	11/4/14	466.30		Dynamic		BW, 2015a
MC-1	221660	3525205	498910	3038.62	12/2/14		468.10	Dynamic	2570.52	Sierrita
MC-1	221660	3525205	498910	3038.62	12/2/14	467.60		Dynamic		BW, 2015a
MC-1	221660	3525205	498910	3038.62	1/4/15		469.30	Dynamic	2569.32	Sierrita
MC-1	221660	3525205	498910	3038.62	2/4/15		469.65	Dynamic	2568.97	Sierrita
MC-1	221660	3525205	498910	3038.62	3/3/15		470.90	Dynamic	2567.72	Sierrita
MC-1	221660	3525205	498910	3038.62	4/9/15		472.20	Dynamic	2566.42	BW
MC-1	221660	3525205	498910	3038.62	5/2/15		473.40	Dynamic	2565.22	BW
MC-1	221660	3525205	498910	3038.62	6/11/15		460.25	Static	2578.37	BW
MC-1	221660	3525205	498910	3038.62	7/6/15		475.74	Dynamic	2562.88	BW
MC-1	221660	3525205	498910	3038.62	8/18/15		462.52	Static	2576.10	Sierrita
MC-1	221660	3525205	498910	3038.62	10/7/15		478.15	Dynamic	2560.47	BW
MC-1	221660	3525205	498910	3038.62	11/4/15		479.70	Dynamic	2558.92	BW
MC-1	221660	3525205	498910	3038.62	12/9/15		480.90	Dynamic	2557.72	BW
MC-1	221660	3525205	498910	3038.62	2/11/16		481.30	Dynamic	2557.32	BW
MC-1	221660	3525205	498910	3038.62	3/4/16		482.20	Dynamic	2556.42	BW
MC-1	221660	3525205	498910	3038.62	4/8/16		483.60	Dynamic	2555.02	Sierrita
MC-1	221660	3525205	498910	3038.62	10/5/16		488.55	Dynamic	2550.07	BW
MC-1	221660	3525205	498910	3038.62	4/17/17		491.06	Dynamic	2547.56	Sierrita
MC-1	221660	3525205	498910	3038.62	7/20/17		492.05	Dynamic	2546.57	BW
MC-1	221660	3525205	498910	3038.62	10/25/17		494.03	Dynamic	2544.59	BW
MC-1	221660	3525205	498910	3038.62	5/22/18		493.15	Dynamic	2545.47	BW
MC-1	221660	3525205	498910	3038.62	9/25/18		493.80	Dynamic	2544.82	BW
MC-1	221660	3525205	498910	3038.62	11/26/18		495.40	Dynamic	2543.22	BW
MC-1	221660	3525205	498910	3038.62	5/7/19		477.95	Static	2560.67	BW
MC-1	221660	3525205	498910	3038.62	10/8/19		496.45	Dynamic	2542.17	BW

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	498910	3038.62	6/5/20		498.70	Dynamic	2539.92	BW
MC-1	221660	3525205	498910	3038.62	10/30/20		500.50	Dynamic	2538.12	BW
MC-1	221660	3525205	498910	3038.62	5/22/21		487.00	Static	2551.62	BW
MC-1	221660	3525205	498910	3038.62	11/20/21		503.65	Dynamic	2534.97	BW
MC-1	221660	3525205	498910	3038.62	4/23/22		513.05	Dynamic	2525.57	BW
MC-1	221660	3525205	498910	3038.62	12/20/22		515.05	Dynamic	2523.57	BW
MC-2	221761	3526365	499370	3008.28	3/24/13	431.52		Dynamic		BW, 2015a
MC-2	221761	3526365	499370	3008.28	3/24/13	412.55		Static		BW, 2015a
MC-2	221761	3526365	499370	3008.28	5/14/14		440.68	Dynamic	2567.60	Sierrita
MC-2	221761	3526365	499370	3008.28	5/15/14	440.66		Dynamic		BW, 2015a
MC-2	221761	3526365	499370	3008.28	5/15/14		440.66	Dynamic	2567.62	Sierrita
MC-2	221761	3526365	499370	3008.28	5/22/14	442.47		Dynamic		BW, 2015a
MC-2	221761	3526365	499370	3008.28	5/22/14		442.47	Dynamic	2565.81	Sierrita
MC-2	221761	3526365	499370	3008.28	5/30/14	442.47		Dynamic		BW, 2015a
MC-2	221761	3526365	499370	3008.28	6/9/14		443.70	Dynamic	2564.58	Sierrita
MC-2	221761	3526365	499370	3008.28	6/9/14	443.70		Dynamic		BW, 2015a
MC-2	221761	3526365	499370	3008.28	7/6/14		445.80	Dynamic	2562.48	Sierrita
MC-2	221761	3526365	499370	3008.28	7/6/14	445.63		Dynamic		BW, 2015a
MC-2	221761	3526365	499370	3008.28	7/31/14		447.50	Dynamic	2560.78	Sierrita
MC-2	221761	3526365	499370	3008.28	7/31/14	447.50		Dynamic		BW, 2015a
MC-2	221761	3526365	499370	3008.28	8/27/14		449.30	Dynamic	2558.98	Sierrita
MC-2	221761	3526365	499370	3008.28	8/27/14	449.30		Dynamic		BW, 2015a
MC-2	221761	3526365	499370	3008.28	10/1/14		442.65	Static	2565.63	Sierrita
MC-2	221761	3526365	499370	3008.28	10/1/14	442.48		Static		BW, 2015a
MC-2	221761	3526365	499370	3008.28	11/4/14		453.60	Dynamic	2554.68	Sierrita
MC-2	221761	3526365	499370	3008.28	11/4/14	453.43		Dynamic		BW, 2015a
MC-2	221761	3526365	499370	3008.28	12/2/14		454.75	Dynamic	2553.53	Sierrita
MC-2	221761	3526365	499370	3008.28	12/2/14	454.58		Dynamic		BW, 2015a
MC-2	221761	3526365	499370	3008.28	1/4/15		456.40	Dynamic	2551.88	Sierrita
MC-2	221761	3526365	499370	3008.28	3/3/15		457.95	Dynamic	2550.33	Sierrita
MC-2	221761	3526365	499370	3008.28	4/9/15		459.20	Dynamic	2549.08	BW
MC-2	221761	3526365	499370	3008.28	5/2/15		460.65	Dynamic	2547.63	BW
MC-2	221761	3526365	499370	3008.28	6/11/15		453.20	Static	2555.08	BW
MC-2	221761	3526365	499370	3008.28	7/6/15		463.20	Dynamic	2545.08	BW
MC-2	221761	3526365	499370	3008.28	8/18/15		464.40	Dynamic	2543.88	Sierrita
MC-2	221761	3526365	499370	3008.28	10/7/15		465.95	Dynamic	2542.33	BW
MC-2	221761	3526365	499370	3008.28	11/4/15		466.50	Dynamic	2541.78	BW
MC-2	221761	3526365	499370	3008.28	12/9/15		467.70	Dynamic	2540.58	BW
MC-2	221761	3526365	499370	3008.28	1/12/16		468.13	Dynamic	2540.15	Sierrita
MC-2	221761	3526365	499370	3008.28	2/11/16		468.35	Dynamic	2539.93	BW
MC-2	221761	3526365	499370	3008.28	3/4/16		469.40	Dynamic	2538.88	BW
MC-2	221761	3526365	499370	3008.28	4/8/16		468.15	Dynamic	2540.13	Sierrita
MC-2	221761	3526365	499370	3008.28	10/5/16		476.00	Dynamic	2532.28	BW
MC-2	221761	3526365	499370	3008.28	4/18/17		478.55	Dynamic	2529.73	Sierrita
MC-2	221761	3526365	499370	3008.28	7/20/17		491.25	Static	2517.03	BW
MC-2	221761	3526365	499370	3008.28	10/25/17		482.35	Dynamic	2525.93	BW
MC-2	221761	3526365	499370	3008.28	5/22/18		473.72	Static	2534.56	BW
MC-2	221761	3526365	499370	3008.28	5/7/19		471.40	Static	2536.88	BW
MC-2	221761	3526365	499370	3008.28	11/20/21		490.50	Dynamic	2517.78	BW
MC-3	221661	3527484	498844	3062.33	12/3/12	507.05		Dynamic		BW, 2015a
MC-3	221661	3527484	498844	3062.33	12/3/12	491.98		Static		BW, 2015a
MC-3	221661	3527484	498844	3062.33	5/13/14		515.62	Dynamic	2546.71	Sierrita
MC-3	221661	3527484	498844	3062.33	5/15/14		515.62	Dynamic	2546.71	Sierrita
MC-3	221661	3527484	498844	3062.33	5/15/14	515.62		Dynamic		BW, 2015a
MC-3	221661	3527484	498844	3062.33	5/22/14		516.21	Dynamic	2546.12	Sierrita
MC-3	221661	3527484	498844	3062.33	5/22/14	516.21		Dynamic		BW, 2015a
MC-3	221661	3527484	498844	3062.33	5/30/14	516.21		Dynamic		BW, 2015a
MC-3	221661	3527484	498844	3062.33	6/9/14		517.70	Dynamic	2544.63	Sierrita
MC-3	221661	3527484	498844	3062.33	6/9/14	517.70		Dynamic		BW, 2015a
MC-3	221661	3527484	498844	3062.33	7/6/14		519.50	Dynamic	2542.83	Sierrita
MC-3	221661	3527484	498844	3062.33	7/6/14	518.83		Dynamic		BW, 2015a
MC-3	221661	3527484	498844	3062.33	7/31/14		521.40	Dynamic	2540.93	Sierrita
MC-3	221661	3527484	498844	3062.33	7/31/14	521.40		Dynamic		BW, 2015a
MC-3	221661	3527484	498844	3062.33	8/27/14		522.95	Dynamic	2539.38	Sierrita
MC-3	221661	3527484	498844	3062.33	8/27/14	522.95		Dynamic		BW, 2015a
MC-3	221661	3527484	498844	3062.33	10/1/14		519.75	Static	2542.58	Sierrita
MC-3	221661	3527484	498844	3062.33	10/1/14	519.08		Static		BW, 2015a
MC-3	221661	3527484	498844	3062.33	11/4/14		527.25	Dynamic	2535.08	Sierrita

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	498844	3062.33	11/4/14	526.58		Dynamic		BW, 2015a
MC-3	221661	3527484	498844	3062.33	12/2/14		528.65	Dynamic	2533.68	Sierrita
MC-3	221661	3527484	498844	3062.33	12/2/14	527.98		Dynamic		BW, 2015a
MC-3	221661	3527484	498844	3062.33	1/4/15		530.50	Dynamic	2531.83	Sierrita
MC-3	221661	3527484	498844	3062.33	2/4/15		531.21	Dynamic	2531.12	Sierrita
MC-3	221661	3527484	498844	3062.33	3/3/15		532.10	Dynamic	2530.23	Sierrita
MC-3	221661	3527484	498844	3062.33	4/9/15		533.10	Dynamic	2529.23	BW
MC-3	221661	3527484	498844	3062.33	5/2/15		534.05	Dynamic	2528.28	BW
MC-3	221661	3527484	498844	3062.33	6/11/15		531.35	Static	2530.98	BW
MC-3	221661	3527484	498844	3062.33	7/6/15		536.45	Dynamic	2525.88	BW
MC-3	221661	3527484	498844	3062.33	8/18/15		537.60	Dynamic	2524.73	Sierrita
MC-3	221661	3527484	498844	3062.33	10/7/15		538.84	Dynamic	2523.49	BW
MC-3	221661	3527484	498844	3062.33	11/4/15		539.80	Dynamic	2522.53	BW
MC-3	221661	3527484	498844	3062.33	12/9/15		540.85	Dynamic	2521.48	BW
MC-3	221661	3527484	498844	3062.33	1/12/16		541.37	Dynamic	2520.96	Sierrita
MC-3	221661	3527484	498844	3062.33	2/11/16		542.04	Dynamic	2520.29	BW
MC-3	221661	3527484	498844	3062.33	3/4/16		542.70	Dynamic	2519.63	BW
MC-3	221661	3527484	498844	3062.33	4/8/16		543.60	Dynamic	2518.73	Sierrita
MC-3	221661	3527484	498844	3062.33	10/5/16		548.30	Dynamic	2514.03	BW
MC-3	221661	3527484	498844	3062.33	4/17/17		550.68	Dynamic	2511.65	Sierrita
MC-3	221661	3527484	498844	3062.33	7/20/17		547.57	Static	2514.76	BW
MC-3	221661	3527484	498844	3062.33	10/25/17		554.03	Dynamic	2508.30	BW
MC-3	221661	3527484	498844	3062.33	5/22/18		552.11	Static	2510.22	BW
MC-3	221661	3527484	498844	3062.33	9/25/18		555.70	Dynamic	2506.63	BW
MC-3	221661	3527484	498844	3062.33	11/26/18		558.25	Dynamic	2504.08	BW
MC-3	221661	3527484	498844	3062.33	5/7/19		550.85	Static	2511.48	BW
MC-3	221661	3527484	498844	3062.33	10/8/19		557.80	Dynamic	2504.53	BW
MC-3	221661	3527484	498844	3062.33	6/5/20		559.70	Dynamic	2502.63	BW
MC-3	221661	3527484	498844	3062.33	10/30/20		559.88	Static	2502.45	BW
MC-3	221661	3527484	498844	3062.33	5/22/21		563.90	Dynamic	2498.43	BW
MC-3	221661	3527484	498844	3062.33	11/20/21		565.10	Dynamic	2497.23	BW
MC-3	221661	3527484	498844	3062.33	4/23/22		565.80	Dynamic	2496.53	BW
MC-3	221661	3527484	498844	3062.33	12/20/22		568.10	Dynamic	2494.23	BW
MC-4	220842	3527784	498585	3096.04	8/13/12	530.67		Static		BW, 2015a
MC-4	220842	3527784	498585	3096.04	8/13/12	548.72		Dynamic		BW, 2015a
MC-4	220842	3527784	498585	3096.04	5/13/14		560.86	Dynamic	2535.18	Sierrita
MC-4	220842	3527784	498585	3096.04	5/15/14		560.86	Dynamic	2535.18	Sierrita
MC-4	220842	3527784	498585	3096.04	5/15/14	560.86		Dynamic		BW, 2015a
MC-4	220842	3527784	498585	3096.04	5/22/14		561.09	Dynamic	2534.95	Sierrita
MC-4	220842	3527784	498585	3096.04	5/22/14	561.09		Dynamic		BW, 2015a
MC-4	220842	3527784	498585	3096.04	5/30/14	561.09		Dynamic		BW, 2015a
MC-4	220842	3527784	498585	3096.04	6/5/14		561.90	Dynamic	2534.14	Sierrita
MC-4	220842	3527784	498585	3096.04	6/5/14	561.90		Dynamic		BW, 2015a
MC-4	220842	3527784	498585	3096.04	7/6/14		564.00	Dynamic	2532.04	Sierrita
MC-4	220842	3527784	498585	3096.04	7/6/14	563.06		Dynamic		BW, 2015a
MC-4	220842	3527784	498585	3096.04	7/31/14		565.70	Dynamic	2530.34	Sierrita
MC-4	220842	3527784	498585	3096.04	7/31/14	565.70		Dynamic		BW, 2015a
MC-4	220842	3527784	498585	3096.04	8/27/14		567.25	Dynamic	2528.79	Sierrita
MC-4	220842	3527784	498585	3096.04	8/27/14	567.25		Dynamic		BW, 2015a
MC-4	220842	3527784	498585	3096.04	10/1/14		558.80	Static	2537.24	Sierrita
MC-4	220842	3527784	498585	3096.04	10/1/14	557.86		Static		BW, 2015a
MC-4	220842	3527784	498585	3096.04	11/4/14		572.20	Dynamic	2523.84	Sierrita
MC-4	220842	3527784	498585	3096.04	11/4/14	571.26		Dynamic		BW, 2015a
MC-4	220842	3527784	498585	3096.04	12/2/14		573.70	Dynamic	2522.34	Sierrita
MC-4	220842	3527784	498585	3096.04	12/2/14	572.76		Dynamic		BW, 2015a
MC-4	220842	3527784	498585	3096.04	1/4/15		575.35	Dynamic	2520.69	Sierrita
MC-4	220842	3527784	498585	3096.04	2/4/15		576.10	Dynamic	2519.94	Sierrita
MC-4	220842	3527784	498585	3096.04	3/3/15		576.95	Dynamic	2519.09	Sierrita
MC-4	220842	3527784	498585	3096.04	4/9/15		577.95	Dynamic	2518.09	Sierrita
MC-4	220842	3527784	498585	3096.04	5/2/15		579.10	Dynamic	2516.94	Sierrita
MC-4	220842	3527784	498585	3096.04	6/11/15		569.10	Static	2526.94	Sierrita
MC-4	220842	3527784	498585	3096.04	7/6/15		581.40	Dynamic	2514.64	Sierrita
MC-4	220842	3527784	498585	3096.04	8/18/15		582.70	Dynamic	2513.34	Sierrita
MC-4	220842	3527784	498585	3096.04	11/4/15		585.00	Dynamic	2511.04	Sierrita
MC-4	220842	3527784	498585	3096.04	12/9/15		586.30	Dynamic	2509.74	Sierrita
MC-4	220842	3527784	498585	3096.04	1/12/16		586.45	Dynamic	2509.59	Sierrita
MC-4	220842	3527784	498585	3096.04	2/11/16		587.55	Dynamic	2508.49	BW
MC-4	220842	3527784	498585	3096.04	3/4/16		588.35	Dynamic	2507.69	BW



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Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bis)	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
MC-4	220842	3527784	498585	3096.04	4/8/16		589.21	Dynamic	2506.83	Sierrita
MC-4	220842	3527784	498585	3096.04	10/5/16		594.10	Dynamic	2501.94	BW
MC-4	220842	3527784	498585	3096.04	4/17/17		596.63	Dynamic	2499.41	Sierrita
MC-4	220842	3527784	498585	3096.04	7/20/17		598.30	Dynamic	2497.74	BW
MC-4	220842	3527784	498585	3096.04	10/25/17		600.50	Dynamic	2495.54	BW
MC-4	220842	3527784	498585	3096.04	5/22/18		603.80	Dynamic	2492.24	BW
MC-4	220842	3527784	498585	3096.04	9/25/18		603.40	Dynamic	2492.64	BW
MC-4	220842	3527784	498585	3096.04	11/26/18		603.50	Dynamic	2492.54	BW
MC-4	220842	3527784	498585	3096.04	5/7/19		591.10	Static	2504.94	BW
MC-4	220842	3527784	498585	3096.04	10/8/19		604.70	Dynamic	2491.34	BW
MC-4	220842	3527784	498585	3096.04	6/5/20		605.60	Dynamic	2490.44	BW
MC-4	220842	3527784	498585	3096.04	10/30/20		609.75	Dynamic	2486.29	BW
MC-4	220842	3527784	498585	3096.04	5/22/21		609.00	Dynamic	2487.04	BW
MC-4	220842	3527784	498585	3096.04	11/20/21		609.60	Dynamic	2486.44	BW
MC-4	220842	3527784	498585	3096.04	4/23/22		609.20	Dynamic	2486.84	BW
MC-4	220842	3527784	498585	3096.04	12/20/22		621.95	Dynamic	2474.09	BW
MH-1	803629	3525873	497372	3179.27	11/21/06		443.90		2735.37	Sierrita
MH-1	803629	3525873	497372	3179.27	1/10/07		444.15		2735.12	Sierrita
MH-1	803629	3525873	497372	3179.27	4/20/07		442.70		2736.57	Sierrita
MH-1	803629	3525873	497372	3179.27	7/3/07		441.33		2737.94	Sierrita
MH-1	803629	3525873	497372	3179.27	11/8/07		440.10		2739.17	Sierrita
MH-1	803629	3525873	497372	3179.27	1/28/08		439.97		2739.30	Sierrita
MH-1	803629	3525873	497372	3179.27	4/24/08		440.44		2738.83	Sierrita
MH-1	803629	3525873	497372	3179.27	8/7/08		439.65		2739.62	Sierrita
MH-1	803629	3525873	497372	3179.27	11/14/08		441.45		2737.82	Sierrita
MH-1	803629	3525873	497372	3179.27	2/17/09		440.90		2738.37	Sierrita
MH-1	803629	3525873	497372	3179.27	6/2/09		440.70		2738.57	Sierrita
MH-1	803629	3525873	497372	3179.27	4/13/10		438.62		2740.65	Sierrita
MH-1	803629	3525873	497372	3179.27	4/19/11		436.65		2742.62	Sierrita
MH-1	803629	3525873	497372	3179.27	4/25/12		436.95		2742.32	Sierrita
MH-1	803629	3525873	497372	3179.27	4/29/14		448.90		2730.37	Sierrita
MH-1	803629	3525873	497372	3179.27	6/4/15		460.67	Static	2718.60	Sierrita
MH-1	803629	3525873	497372	3179.27	11/18/15		467.79	Static	2711.48	Sierrita
MH-1	803629	3525873	497372	3179.27	6/15/16		470.26	Static	2709.01	Sierrita
MH-1	803629	3525873	497372	3179.27	12/8/16		475.20	Static	2704.07	Sierrita
MH-1	803629	3525873	497372	3179.27	5/24/17		463.63	Static	2715.64	Sierrita
MH-1	803629	3525873	497372	3179.27	10/23/17		461.70	Static	2717.57	Sierrita
MH-1	803629	3525873	497372	3179.27	6/11/18		461.50	Static	2717.77	Sierrita
MH-1	803629	3525873	497372	3179.27	11/15/18		462.02	Static	2717.25	Sierrita
MH-1	803629	3525873	497372	3179.27	5/1/19		460.61	Static	2718.66	Sierrita
MH-1	803629	3525873	497372	3179.27	12/17/19		460.94	Static	2718.33	Sierrita
MH-1	803629	3525873	497372	3179.27	6/10/20		464.29	Static	2714.98	Sierrita
MH-1	803629	3525873	497372	3179.27	12/2/20		468.71	Static	2710.56	Sierrita
MH-1	803629	3525873	497372	3179.27	6/2/21		471.81	Static	2707.46	Sierrita
MH-1	803629	3525873	497372	3179.27	12/7/21		474.18	Static	2705.09	Sierrita
MH-1	803629	3525873	497372	3179.27	6/7/22		478.28	Static	2700.99	Sierrita
MH-1	803629	3525873	497372	3179.27	12/6/22		479.73	Static	2699.54	Sierrita
MH-3	803630	3525270	497472	3155.87	12/18/06		427.70		2728.17	Sierrita
MH-3	803630	3525270	497472	3155.87	2/23/07		427.31		2728.56	Sierrita
MH-3	803630	3525270	497472	3155.87	4/23/07		425.51		2730.36	Sierrita
MH-3	803630	3525270	497472	3155.87	7/21/07		424.22		2731.65	Sierrita
MH-3	803630	3525270	497472	3155.87	10/20/07		422.15		2733.72	Sierrita
MH-3	803630	3525270	497472	3155.87	1/19/08		424.80		2731.07	Sierrita
MH-3	803630	3525270	497472	3155.87	4/21/08		425.44		2730.43	Sierrita
MH-3	803630	3525270	497472	3155.87	7/29/08		424.15		2731.72	Sierrita
MH-3	803630	3525270	497472	3155.87	10/24/08		426.10		2729.77	Sierrita
MH-3	803630	3525270	497472	3155.87	2/17/09		425.46		2730.41	Sierrita
MH-3	803630	3525270	497472	3155.87	6/2/09		425.18		2730.69	Sierrita
MH-3	803630	3525270	497472	3155.87	4/13/10		418.92		2736.95	Sierrita
MH-3	803630	3525270	497472	3155.87	4/19/11		420.10		2735.77	Sierrita
MH-3	803630	3525270	497472	3155.87	4/25/12		419.53		2736.34	Sierrita
MH-3	803630	3525270	497472	3155.87	4/2/13		425.84		2730.03	Sierrita
MH-3	803630	3525270	497472	3155.87	3/12/14		433.09		2722.78	Sierrita
MH-3	803630	3525270	497472	3155.87	4/25/14		436.44		2719.43	Sierrita
MH-3	803630	3525270	497472	3155.87	5/14/14		436.40		2719.47	Sierrita
MH-3	803630	3525270	497472	3155.87	6/24/14		436.38		2719.49	Sierrita
MH-3	803630	3525270	497472	3155.87	7/7/14		439.20		2716.67	Sierrita
MH-3	803630	3525270	497472	3155.87	8/8/14		440.46		2715.41	Sierrita

## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	497472	3155.87	9/9/14		441.45	Static	2714.42	Sierrita
MH-3	803630	3525270	497472	3155.87	10/28/14		441.25		2714.62	Sierrita
MH-3	803630	3525270	497472	3155.87	11/26/14		441.30		2714.57	Sierrita
MH-3	803630	3525270	497472	3155.87	12/20/14		441.33	Static	2714.54	Sierrita
MH-3	803630	3525270	497472	3155.87	1/29/15		441.35	Static	2714.52	Sierrita
MH-3	803630	3525270	497472	3155.87	2/27/15		441.33	Static	2714.54	Sierrita
MH-3	803630	3525270	497472	3155.87	3/26/15		445.39	Static	2710.48	Sierrita
MH-3	803630	3525270	497472	3155.87	4/29/15		445.36	Static	2710.51	Sierrita
MH-3	803630	3525270	497472	3155.87	5/21/15		445.34	Static	2710.53	Sierrita
MH-3	803630	3525270	497472	3155.87	6/3/15		445.40	Static	2710.47	Sierrita
MH-3	803630	3525270	497472	3155.87	7/23/15		448.90	Static	2706.97	Sierrita
MH-3	803630	3525270	497472	3155.87	8/25/15		450.58	Static	2705.29	Sierrita
MH-3	803630	3525270	497472	3155.87	11/2/15		453.46	Static	2702.41	Sierrita
MH-3	803630	3525270	497472	3155.87	1/7/16		453.66	Static	2702.21	Sierrita
MH-3	803630	3525270	497472	3155.87	2/11/16		453.79	Static	2702.08	Sierrita
MH-3	803630	3525270	497472	3155.87	3/11/16		453.87	Static	2702.00	Sierrita
MH-3	803630	3525270	497472	3155.87	6/23/16		451.18	Static	2704.69	Sierrita
MH-3	803630	3525270	497472	3155.87	12/8/16		452.40	Static	2703.47	Sierrita
MH-3	803630	3525270	497472	3155.87	5/24/17		449.91	Static	2705.96	Sierrita
MH-3	803630	3525270	497472	3155.87	11/14/17		447.70	Static	2708.17	Sierrita
MH-3	803630	3525270	497472	3155.87	6/11/18		449.02	Static	2706.85	Sierrita
MH-3	803630	3525270	497472	3155.87	11/15/18		448.81	Static	2707.06	Sierrita
MH-3	803630	3525270	497472	3155.87	5/1/19		443.07	Static	2712.80	Sierrita
MH-3	803630	3525270	497472	3155.87	12/17/19		446.81	Static	2709.06	Sierrita
MH-3	803630	3525270	497472	3155.87	6/10/20		452.37	Static	2703.50	Sierrita
MH-3	803630	3525270	497472	3155.87	12/2/20		456.25	Static	2699.62	Sierrita
MH-5	803632	3523725	497477	3123.47	11/21/06		389.22		2734.25	Sierrita
MH-5	803632	3523725	497477	3123.47	1/12/07		390.70		2732.77	Sierrita
MH-5	803632	3523725	497477	3123.47	4/20/07		391.60		2731.87	Sierrita
MH-5	803632	3523725	497477	3123.47	7/3/07		391.66		2731.81	Sierrita
MH-5	803632	3523725	497477	3123.47	11/8/07		392.95		2730.52	Sierrita
MH-5	803632	3523725	497477	3123.47	1/28/08		391.40		2732.07	Sierrita
MH-5	803632	3523725	497477	3123.47	4/24/08		390.30		2733.17	Sierrita
MH-5	803632	3523725	497477	3123.47	8/7/08		391.55		2731.92	Sierrita
MH-5	803632	3523725	497477	3123.47	11/14/08		391.98		2731.49	Sierrita
MH-5	803632	3523725	497477	3123.47	2/17/09		391.33		2732.14	Sierrita
MH-5	803632	3523725	497477	3123.47	6/2/09		391.30		2732.17	Sierrita
MH-5	803632	3523725	497477	3123.47	4/13/10		381.47		2742.00	Sierrita
MH-5	803632	3523725	497477	3123.47	4/18/11		387.96		2735.51	Sierrita
MH-5	803632	3523725	497477	3123.47	6/14/12		398.80		2724.67	Sierrita
MH-5	803632	3523725	497477	3123.47	5/23/13		403.59		2719.88	Sierrita
MH-5	803632	3523725	497477	3123.47	5/28/14		408.22		2715.25	Sierrita
MH-5	803632	3523725	497477	3123.47	6/16/15		408.45	Static	2715.02	Sierrita
MH-5	803632	3523725	497477	3123.47	11/18/15		416.66	Static	2706.81	Sierrita
MH-5	803632	3523725	497477	3123.47	6/15/16		411.64	Static	2711.83	Sierrita
MH-5	803632	3523725	497477	3123.47	12/8/16		418.54	Static	2704.93	Sierrita
MH-5	803632	3523725	497477	3123.47	5/24/17		415.96	Static	2707.51	Sierrita
MH-5	803632	3523725	497477	3123.47	10/23/17		411.35	Static	2712.12	Sierrita
MH-5	803632	3523725	497477	3123.47	6/11/18		407.50	Static	2715.97	Sierrita
MH-5	803632	3523725	497477	3123.47	11/15/18		407.46	Static	2716.01	Sierrita
MH-5	803632	3523725	497477	3123.47	5/1/19		404.65	Static	2718.82	Sierrita
MH-5	803632	3523725	497477	3123.47	6/10/20		421.98	Static	2701.49	Sierrita
MH-5	803632	3523725	497477	3123.47	12/2/20		424.20	Static	2699.27	Sierrita
MH-5	803632	3523725	497477	3123.47	6/2/21		431.51	Static	2691.96	Sierrita
MH-5	803632	3523725	497477	3123.47	12/7/21		433.93	Static	2689.54	Sierrita
MH-5	803632	3523725	497477	3123.47	6/7/22		437.29	Static	2686.18	Sierrita
MH-5	803632	3523725	497477	3123.47	12/6/22		438.38	Static	2685.09	Sierrita
MH-6	803633	3522770	497437	3133.97	11/14/06		381.65		2752.32	Sierrita
MH-6	803633	3522770	497437	3133.97	1/9/07		378.32		2755.65	Sierrita
MH-6	803633	3522770	497437	3133.97	4/20/07		374.80		2759.17	Sierrita
MH-6	803633	3522770	497437	3133.97	7/3/07		379.00		2754.97	Sierrita
MH-6	803633	3522770	497437	3133.97	11/8/07		380.30		2753.67	Sierrita
MH-6	803633	3522770	497437	3133.97	1/28/08		379.15		2754.82	Sierrita
MH-6	803633	3522770	497437	3133.97	4/24/08		379.20		2754.77	Sierrita
MH-6	803633	3522770	497437	3133.97	8/7/08		379.50		2754.47	Sierrita
MH-6	803633	3522770	497437	3133.97	11/14/08		379.50		2754.47	Sierrita
MH-6	803633	3522770	497437	3133.97	2/17/09		378.52		2755.45	Sierrita
MH-6	803633	3522770	497437	3133.97	6/2/09		379.45		2754.52	Sierrita



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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bis)	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-6	803633	3522770	497437	3133.97	4/13/10		389.35		2744.62	Sierrita
MH-6	803633	3522770	497437	3133.97	5/17/11		387.85		2746.12	Sierrita
MH-6	803633	3522770	497437	3133.97	6/7/12		382.63		2751.34	Sierrita
MH-6	803633	3522770	497437	3133.97	4/2/13		402.02		2731.95	Sierrita
MH-6	803633	3522770	497437	3133.97	4/29/14		403.91		2730.06	Sierrita
MH-6	803633	3522770	497437	3133.97	6/4/15		403.20	Static	2730.77	Sierrita
MH-6	803633	3522770	497437	3133.97	11/18/15		412.41	Static	2721.56	Sierrita
MH-6	803633	3522770	497437	3133.97	6/15/16		382.92	Static	2751.05	Sierrita
MH-6	803633	3522770	497437	3133.97	12/8/16		388.37	Static	2745.60	Sierrita
MH-6	803633	3522770	497437	3133.97	5/24/17		381.51	Static	2752.46	Sierrita
MH-6	803633	3522770	497437	3133.97	10/23/17		376.60	Static	2757.37	Sierrita
MH-6	803633	3522770	497437	3133.97	6/11/18		378.13	Static	2755.84	Sierrita
MH-6	803633	3522770	497437	3133.97	11/15/18		380.67	Static	2753.30	Sierrita
MH-6	803633	3522770	497437	3133.97	5/1/19		376.55	Static	2757.42	Sierrita
MH-6	803633	3522770	497437	3133.97	12/17/19		386.48	Static	2747.49	Sierrita
MH-6	803633	3522770	497437	3133.97	6/10/20		387.40	Static	2746.57	Sierrita
MH-6	803633	3522770	497437	3133.97	12/2/20		389.78	Static	2744.19	Sierrita
MH-6	803633	3522770	497437	3133.97	6/2/21		392.00	Static	2741.97	Sierrita
MH-6	803633	3522770	497437	3133.97	12/7/21		393.60	Static	2740.37	Sierrita
MH-6	803633	3522770	497437	3133.97	6/7/22		394.45	Static	2739.52	Sierrita
MH-6	803633	3522770	497437	3133.97	12/6/22		392.10	Static	2741.87	Sierrita
MH-7	803634	3522016	497502	3111.23	11/21/06		357.85		2753.38	Sierrita
MH-7	803634	3522016	497502	3111.23	1/12/07		360.20		2751.03	Sierrita
MH-7	803634	3522016	497502	3111.23	4/20/07		368.20		2743.03	Sierrita
MH-7	803634	3522016	497502	3111.23	7/3/07		370.20		2741.03	Sierrita
MH-7	803634	3522016	497502	3111.23	11/8/07		370.60		2740.63	Sierrita
MH-7	803634	3522016	497502	3111.23	1/28/08		371.00		2740.23	Sierrita
MH-7	803634	3522016	497502	3111.23	4/24/08		370.92		2740.31	Sierrita
MH-7	803634	3522016	497502	3111.23	8/8/08		372.22		2739.01	Sierrita
MH-7	803634	3522016	497502	3111.23	11/14/08		373.20		2738.03	Sierrita
MH-7	803634	3522016	497502	3111.23	2/17/09		372.48		2738.75	Sierrita
MH-7	803634	3522016	497502	3111.23	6/2/09		371.53		2739.70	Sierrita
MH-7	803634	3522016	497502	3111.23	4/13/10		372.63		2738.60	Sierrita
MH-7	803634	3522016	497502	3111.23	4/18/11		368.76		2742.47	Sierrita
MH-7	803634	3522016	497502	3111.23	6/14/12		381.09		2730.14	Sierrita
MH-7	803634	3522016	497502	3111.23	5/23/13		391.31		2719.92	Sierrita
MH-7	803634	3522016	497502	3111.23	4/29/14		389.57		2721.66	Sierrita
MH-7	803634	3522016	497502	3111.23	6/4/15		392.63	Static	2718.60	Sierrita
MH-7	803634	3522016	497502	3111.23	11/18/15		393.67	Static	2717.56	Sierrita
MH-7	803634	3522016	497502	3111.23	6/15/16		383.49	Static	2727.74	Sierrita
MH-7	803634	3522016	497502	3111.23	12/8/16		394.20	Static	2717.03	Sierrita
MH-7	803634	3522016	497502	3111.23	5/24/17		382.16	Static	2729.07	Sierrita
MH-7	803634	3522016	497502	3111.23	10/23/17		373.60	Static	2737.63	Sierrita
MH-7	803634	3522016	497502	3111.23	6/11/18		378.30	Static	2732.93	Sierrita
MH-7	803634	3522016	497502	3111.23	11/15/18		384.10	Static	2727.13	Sierrita
MH-7	803634	3522016	497502	3111.23	5/1/19		373.20	Static	2738.03	Sierrita
MH-7	803634	3522016	497502	3111.23	12/17/19		394.10	Static	2717.13	Sierrita
MH-7	803634	3522016	497502	3111.23	6/10/20		386.42	Static	2724.81	Sierrita
MH-7	803634	3522016	497502	3111.23	12/2/20		397.84	Static	2713.39	Sierrita
MH-7	803634	3522016	497502	3111.23	6/2/21		398.01	Static	2713.22	Sierrita
MH-7	803634	3522016	497502	3111.23	12/8/21		401.58	Static	2709.65	Sierrita
MH-7	803634	3522016	497502	3111.23	6/7/22		401.09	Static	2710.14	Sierrita
MH-7	803634	3522016	497502	3111.23	12/6/22		402.94	Static	2708.29	Sierrita
MH-9	803635	3521253	496438	3162.57	11/8/06		380.58		2781.99	Sierrita
MH-9	803635	3521253	496438	3162.57	1/9/07		362.10		2800.47	Sierrita
MH-9	803635	3521253	496438	3162.57	4/20/07		363.60		2798.97	Sierrita
MH-9	803635	3521253	496438	3162.57	7/3/07		365.25		2797.32	Sierrita
MH-9	803635	3521253	496438	3162.57	11/8/07		367.95		2794.62	Sierrita
MH-9	803635	3521253	496438	3162.57	1/28/08		368.58		2793.99	Sierrita
MH-9	803635	3521253	496438	3162.57	4/24/08		367.08		2795.49	Sierrita
MH-9	803635	3521253	496438	3162.57	8/8/08		370.38		2792.19	Sierrita
MH-9	803635	3521253	496438	3162.57	11/14/08		371.70		2790.87	Sierrita
MH-9	803635	3521253	496438	3162.57	2/17/09		371.97		2790.60	Sierrita
MH-9	803635	3521253	496438	3162.57	6/2/09		370.30		2792.27	Sierrita
MH-9	803635	3521253	496438	3162.57	4/15/10		373.30		2789.27	Sierrita
MH-9	803635	3521253	496438	3162.57	4/19/11		375.11		2787.46	Sierrita
MH-9	803635	3521253	496438	3162.57	4/26/12		380.49		2782.08	Sierrita
MH-9	803635	3521253	496438	3162.57	5/23/13		386.04		2776.53	Sierrita

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3521253	496438	3162.57	3/12/14		390.22		2772.35	Sierrita
MH-9	803635	3521253	496438	3162.57	4/25/14		390.54		2772.03	Sierrita
MH-9	803635	3521253	496438	3162.57	5/14/14		390.45		2772.12	Sierrita
MH-9	803635	3521253	496438	3162.57	6/24/14		390.41		2772.16	Sierrita
MH-9	803635	3521253	496438	3162.57	7/29/14		388.82		2773.75	Sierrita
MH-9	803635	3521253	496438	3162.57	8/8/14		387.62		2774.95	Sierrita
MH-9	803635	3521253	496438	3162.57	9/9/14		387.00	Static	2775.57	Sierrita
MH-9	803635	3521253	496438	3162.57	10/28/14		387.73		2774.84	Sierrita
MH-9	803635	3521253	496438	3162.57	11/26/14		388.10		2774.47	Sierrita
MH-9	803635	3521253	496438	3162.57	12/21/14		388.40	Static	2774.17	Sierrita
MH-9	803635	3521253	496438	3162.57	1/29/15		388.56	Static	2774.01	Sierrita
MH-9	803635	3521253	496438	3162.57	2/27/15		388.62	Static	2773.95	Sierrita
MH-9	803635	3521253	496438	3162.57	3/26/15		388.39	Static	2774.18	Sierrita
MH-9	803635	3521253	496438	3162.57	4/29/15		388.42	Static	2774.15	Sierrita
MH-9	803635	3521253	496438	3162.57	5/21/15		388.45	Static	2774.12	Sierrita
MH-9	803635	3521253	496438	3162.57	6/3/15		388.51	Static	2774.06	Sierrita
MH-9	803635	3521253	496438	3162.57	7/23/15		389.72	Static	2772.85	Sierrita
MH-9	803635	3521253	496438	3162.57	8/25/15		388.55	Static	2774.02	Sierrita
MH-9	803635	3521253	496438	3162.57	11/2/15		388.62	Static	2773.95	Sierrita
MH-9	803635	3521253	496438	3162.57	1/7/16		388.77	Static	2773.80	Sierrita
MH-9	803635	3521253	496438	3162.57	2/11/16		388.70	Static	2773.87	Sierrita
MH-9	803635	3521253	496438	3162.57	3/11/16		388.64	Static	2773.93	Sierrita
MH-9	803635	3521253	496438	3162.57	6/23/16		387.85	Static	2774.72	Sierrita
MH-9	803635	3521253	496438	3162.57	12/8/16		388.71	Static	2773.86	Sierrita
MH-9	803635	3521253	496438	3162.57	5/24/17		385.93	Static	2776.64	Sierrita
MH-9	803635	3521253	496438	3162.57	11/14/17		383.00	Static	2779.57	Sierrita
MH-9	803635	3521253	496438	3162.57	6/11/18		379.73	Static	2782.84	Sierrita
MH-9	803635	3521253	496438	3162.57	11/15/18		383.76	Static	2778.81	Sierrita
MH-9	803635	3521253	496438	3162.57	12/17/19		393.84	Static	2768.73	Sierrita
MH-9	803635	3521253	496438	3162.57	6/10/20		394.83	Static	2767.74	Sierrita
MH-9	803635	3521253	496438	3162.57	12/2/20		396.03	Static	2766.54	Sierrita
MH-9	803635	3521253	496438	3162.57	12/8/21		398.08	Static	2764.49	Sierrita
MH-9	803635	3521253	496438	3162.57	6/7/22		397.83	Static	2764.74	Sierrita
MH-9	803635	3521253	496438	3162.57	12/6/22		397.25	Static	2765.32	Sierrita
MH-10	803636	3521237	495718	3187.84	11/8/06		346.70		2841.14	Sierrita
MH-10	803636	3521237	495718	3187.84	1/9/07		364.80		2823.04	Sierrita
MH-10	803636	3521237	495718	3187.84	4/3/07		355.65		2832.19	Sierrita
MH-10	803636	3521237	495718	3187.84	7/16/07		356.75		2831.09	Sierrita
MH-10	803636	3521237	495718	3187.84	10/16/07		357.60		2830.24	Sierrita
MH-10	803636	3521237	495718	3187.84	1/3/08		358.32		2829.52	Sierrita
MH-10	803636	3521237	495718	3187.84	4/28/08		358.83		2829.01	Sierrita
MH-10	803636	3521237	495718	3187.84	7/31/08		358.50		2829.34	Sierrita
MH-10	803636	3521237	495718	3187.84	11/4/08		360.00		2827.84	Sierrita
MH-10	803636	3521237	495718	3187.84	1/2/09		360.15		2827.69	Sierrita
MH-10	803636	3521237	495718	3187.84	4/14/09		363.50		2824.34	Sierrita
MH-10	803636	3521237	495718	3187.84	4/26/10		362.04		2825.80	Sierrita
MH-10	803636	3521237	495718	3187.84	5/18/11		363.39		2824.45	Sierrita
MH-10	803636	3521237	495718	3187.84	6/5/12		366.25		2821.59	Sierrita
MH-10	803636	3521237	495718	3187.84	6/10/13		369.96		2817.88	Sierrita
MH-10	803636	3521237	495718	3187.84	4/23/14		371.84	Static	2816.00	Sierrita
MH-10	803636	3521237	495718	3187.84	4/14/15		374.09	Static	2813.75	Sierrita
MH-10	803636	3521237	495718	3187.84	11/18/15		375.39	Static	2812.45	Sierrita
MH-10	803636	3521237	495718	3187.84	6/8/16		375.14	Static	2812.70	Sierrita
MH-10	803636	3521237	495718	3187.84	12/8/16		375.43	Static	2812.41	Sierrita
MH-10	803636	3521237	495718	3187.84	5/14/17		374.18	Static	2813.66	Sierrita
MH-10	803636	3521237	495718	3187.84	11/14/17		373.01	Static	2814.83	Sierrita
MH-10	803636	3521237	495718	3187.84	4/23/18		372.58	Static	2815.26	Sierrita
MH-10	803636	3521237	495718	3187.84	4/17/19		370.65	Static	2817.19	Sierrita
MH-10	803636	3521237	495718	3187.84	12/17/19		376.66	Static	2811.18	Sierrita
MH-10	803636	3521237	495718	3187.84	5/8/20		377.03	Static	2810.81	Sierrita
MH-10	803636	3521237	495718	3187.84	12/2/20		378.00	Static	2809.84	Sierrita
MH-10	803636	3521237	495718	3187.84	5/13/21		378.82	Static	2809.02	Sierrita
MH-10	803636	3521237	495718	3187.84	12/8/21		374.09	Static	2813.75	Sierrita
MH-10	803636	3521237	495718	3187.84	5/5/22		377.40	Static	2810.44	Sierrita
MH-10	803636	3521237	495718	3187.84	12/6/22		372.53	Static	2815.31	Sierrita
MH-11	803637	3524464	498749	3041.76	11/9/06		369.90		2671.86	Sierrita
MH-11	803637	3524464	498749	3041.76	1/11/07		369.55		2672.21	Sierrita
MH-11	803637	3524464	498749	3041.76	4/10/07		370.46		2671.30	Sierrita

## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bis)	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-11	803637	3524464	498749	3041.76	7/17/07		372.75		2669.01	Sierrita
MH-11	803637	3524464	498749	3041.76	10/3/07		373.80		2667.96	Sierrita
MH-11	803637	3524464	498749	3041.76	1/4/08		373.36		2668.40	Sierrita
MH-11	803637	3524464	498749	3041.76	4/29/08		373.89		2667.87	Sierrita
MH-11	803637	3524464	498749	3041.76	7/29/08		375.10		2666.66	Sierrita
MH-11	803637	3524464	498749	3041.76	11/7/08		376.85		2664.91	Sierrita
MH-11	803637	3524464	498749	3041.76	3/19/09		374.88		2666.88	Sierrita
MH-11	803637	3524464	498749	3041.76	5/13/09		375.75		2666.01	Sierrita
MH-11	803637	3524464	498749	3041.76	4/27/10		375.85		2665.91	Sierrita
MH-11	803637	3524464	498749	3041.76	5/24/11		376.65		2665.11	Sierrita
MH-11	803637	3524464	498749	3041.76	5/24/12		376.65		2665.11	Sierrita
MH-11	803637	3524464	498749	3041.76	4/23/13		383.85		2657.91	Sierrita
MH-11	803637	3524464	498749	3041.76	3/12/14		399.52		2642.24	Sierrita
MH-11	803637	3524464	498749	3041.76	4/29/14		404.51		2637.25	Sierrita
MH-11	803637	3524464	498749	3041.76	5/14/14		404.48		2637.28	Sierrita
MH-11	803637	3524464	498749	3041.76	6/12/14		408.00		2633.76	Sierrita
MH-11	803637	3524464	498749	3041.76	7/28/14		411.79		2629.97	Sierrita
MH-11	803637	3524464	498749	3041.76	8/7/14		412.19		2629.57	Sierrita
MH-11	803637	3524464	498749	3041.76	9/8/14		413.51	Static	2628.25	Sierrita
MH-11	803637	3524464	498749	3041.76	10/29/14		416.87		2624.89	Sierrita
MH-11	803637	3524464	498749	3041.76	11/26/14		419.24		2622.52	Sierrita
MH-11	803637	3524464	498749	3041.76	12/17/14		421.06	Static	2620.70	Sierrita
MH-11	803637	3524464	498749	3041.76	1/29/15		422.70	Static	2619.06	Sierrita
MH-11	803637	3524464	498749	3041.76	2/27/15		422.96	Static	2618.80	Sierrita
MH-11	803637	3524464	498749	3041.76	3/18/15		421.87	Static	2619.89	Sierrita
MH-11	803637	3524464	498749	3041.76	4/16/15		420.86	Static	2620.90	Sierrita
MH-11	803637	3524464	498749	3041.76	5/21/15		421.21	Static	2620.55	Sierrita
MH-11	803637	3524464	498749	3041.76	6/2/15		421.52	Static	2620.24	Sierrita
MH-11	803637	3524464	498749	3041.76	7/24/15		425.30	Static	2616.46	Sierrita
MH-11	803637	3524464	498749	3041.76	8/14/15		427.11	Static	2614.65	Sierrita
MH-11	803637	3524464	498749	3041.76	11/5/15		428.08	Static	2613.68	Sierrita
MH-11	803637	3524464	498749	3041.76	1/18/16		428.18	Static	2613.58	Sierrita
MH-11	803637	3524464	498749	3041.76	2/11/16		428.23	Static	2613.53	Sierrita
MH-11	803637	3524464	498749	3041.76	3/8/16		428.31	Static	2613.45	Sierrita
MH-11	803637	3524464	498749	3041.76	5/18/16		432.35	Static	2609.41	Sierrita
MH-11	803637	3524464	498749	3041.76	12/8/16		433.00	Static	2608.76	Sierrita
MH-11	803637	3524464	498749	3041.76	5/10/17		440.15	Static	2601.61	Sierrita
MH-11	803637	3524464	498749	3041.76	11/14/17		440.29	Static	2601.47	Sierrita
MH-11	803637	3524464	498749	3041.76	5/2/18		439.26	Static	2602.50	Sierrita
MH-11	803637	3524464	498749	3041.76	12/4/18		439.95	Static	2601.81	Sierrita
MH-11	803637	3524464	498749	3041.76	4/17/19		437.41	Static	2604.35	Sierrita
MH-11	803637	3524464	498749	3041.76	12/17/19		440.36	Static	2601.40	Sierrita
MH-11	803637	3524464	498749	3041.76	12/17/19		440.36	Static	2601.40	Sierrita
MH-11	803637	3524464	498749	3041.76	4/15/20		442.72	Static	2599.04	Sierrita
MH-11	803637	3524464	498749	3041.76	12/1/20		447.55	Static	2594.21	Sierrita
MH-11	803637	3524464	498749	3041.76	5/13/21		449.30	Static	2592.46	Sierrita
MH-11	803637	3524464	498749	3041.76	12/7/21		453.09	Static	2588.67	Sierrita
MH-11	803637	3524464	498749	3041.76	5/6/22		455.88	Static	2585.88	Sierrita
MH-11	803637	3524464	498749	3041.76	12/6/22		458.00	Static	2583.76	Sierrita
MH-13A	904071	3523611	498817	3026.23	11/10/06		327.84		2698.39	Sierrita
MH-13A	904071	3523611	498817	3026.23	1/24/07		326.35		2699.88	Sierrita
MH-13A	904071	3523611	498817	3026.23	4/18/07		328.14		2698.09	Sierrita
MH-13A	904071	3523611	498817	3026.23	7/17/07		330.98		2695.25	Sierrita
MH-13A	904071	3523611	498817	3026.23	10/4/07		331.70		2694.53	Sierrita
MH-13A	904071	3523611	498817	3026.23	1/4/08		330.85		2695.38	Sierrita
MH-13A	904071	3523611	498817	3026.23	4/29/08		331.80		2694.43	Sierrita
MH-13A	904071	3523611	498817	3026.23	7/16/08		333.78		2692.45	Sierrita
MH-13A	904071	3523611	498817	3026.23	10/20/08		334.64		2691.59	Sierrita
MH-13A	904071	3523611	498817	3026.23	1/23/09		332.98		2693.25	Sierrita
MH-13A	904071	3523611	498817	3026.23	4/15/09		332.19		2694.04	Sierrita
MH-13A	904071	3523611	498817	3026.23	4/21/10		333.27		2692.96	Sierrita
MH-13A	904071	3523611	498817	3026.23	5/23/11		334.40		2691.83	Sierrita
MH-13A	904071	3523611	498817	3026.23	6/11/12		337.90		2688.33	Sierrita
MH-13A	904071	3523611	498817	3026.23	4/3/13		344.58		2681.65	Sierrita
MH-13A	904071	3523611	498817	3026.23	3/12/14		353.78		2672.45	Sierrita
MH-13A	904071	3523611	498817	3026.23	4/10/14		355.73		2670.50	Sierrita
MH-13A	904071	3523611	498817	3026.23	5/14/14		355.70		2670.53	Sierrita
MH-13A	904071	3523611	498817	3026.23	6/12/14		360.00		2666.23	Sierrita

## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3523611	498817	3026.23	7/28/14		362.78		2663.45	Sierrita
MH-13A	904071	3523611	498817	3026.23	8/7/14		363.32		2662.91	Sierrita
MH-13A	904071	3523611	498817	3026.23	9/8/14		364.56	Static	2661.67	Sierrita
MH-13A	904071	3523611	498817	3026.23	10/29/14		365.24		2660.99	Sierrita
MH-13A	904071	3523611	498817	3026.23	11/26/14		365.91		2660.32	Sierrita
MH-13A	904071	3523611	498817	3026.23	12/17/14		366.51	Static	2659.72	Sierrita
MH-13A	904071	3523611	498817	3026.23	1/29/15		366.84	Static	2659.39	Sierrita
MH-13A	904071	3523611	498817	3026.23	2/27/15		366.90	Static	2659.33	Sierrita
MH-13A	904071	3523611	498817	3026.23	3/18/15		370.52	Static	2655.71	Sierrita
MH-13A	904071	3523611	498817	3026.23	4/22/15		370.80	Static	2655.43	Sierrita
MH-13A	904071	3523611	498817	3026.23	5/21/15		370.92	Static	2655.31	Sierrita
MH-13A	904071	3523611	498817	3026.23	6/2/15		371.02	Static	2655.21	Sierrita
MH-13A	904071	3523611	498817	3026.23	7/23/15		371.17	Static	2655.06	Sierrita
MH-13A	904071	3523611	498817	3026.23	8/25/15		375.27	Static	2650.96	Sierrita
MH-13A	904071	3523611	498817	3026.23	11/5/15		377.29	Static	2648.94	Sierrita
MH-13A	904071	3523611	498817	3026.23	1/18/16		377.24	Static	2648.99	Sierrita
MH-13A	904071	3523611	498817	3026.23	2/11/16		377.19	Static	2649.04	Sierrita
MH-13A	904071	3523611	498817	3026.23	3/8/16		377.30	Static	2648.93	Sierrita
MH-13A	904071	3523611	498817	3026.23	4/6/16		378.85	Static	2647.38	Sierrita
MH-13A	904071	3523611	498817	3026.23	12/8/16		379.20	Static	2647.03	Sierrita
MH-13A	904071	3523611	498817	3026.23	5/1/17		376.97	Static	2649.26	Sierrita
MH-13A	904071	3523611	498817	3026.23	11/14/17		384.21	Static	2642.02	Sierrita
MH-13A	904071	3523611	498817	3026.23	5/8/18		381.85	Static	2644.38	Sierrita
MH-13A	904071	3523611	498817	3026.23	12/4/18		382.48	Static	2643.75	Sierrita
MH-13A	904071	3523611	498817	3026.23	4/18/19		379.88	Static	2646.35	Sierrita
MH-13A	904071	3523611	498817	3026.23	12/17/19		385.37	Static	2640.86	Sierrita
MH-13A	904071	3523611	498817	3026.23	4/15/20		386.24	Static	2639.99	Sierrita
MH-13A	904071	3523611	498817	3026.23	12/2/20		391.42	Static	2634.81	Sierrita
MH-13A	904071	3523611	498817	3026.23	5/11/21		393.85	Static	2632.38	Sierrita
MH-13A	904071	3523611	498817	3026.23	12/7/21		398.41	Static	2627.82	Sierrita
MH-13A	904071	3523611	498817	3026.23	5/11/22		400.68	Static	2625.55	Sierrita
MH-13A	904071	3523611	498817	3026.23	12/6/22		403.39	Static	2622.84	Sierrita
MH-13B	904072	3523605	498823	3025.63	11/10/06		330.70		2694.93	Sierrita
MH-13B	904072	3523605	498823	3025.63	1/24/07		330.58		2695.05	Sierrita
MH-13B	904072	3523605	498823	3025.63	4/18/07		332.21		2693.42	Sierrita
MH-13B	904072	3523605	498823	3025.63	7/17/07		335.47		2690.16	Sierrita
MH-13B	904072	3523605	498823	3025.63	10/3/07		335.90		2689.73	Sierrita
MH-13B	904072	3523605	498823	3025.63	1/4/08		334.85		2690.78	Sierrita
MH-13B	904072	3523605	498823	3025.63	4/29/08		336.35		2689.28	Sierrita
MH-13B	904072	3523605	498823	3025.63	7/16/08		337.92		2687.71	Sierrita
MH-13B	904072	3523605	498823	3025.63	10/20/08		339.14		2686.49	Sierrita
MH-13B	904072	3523605	498823	3025.63	1/23/09		337.20		2688.43	Sierrita
MH-13B	904072	3523605	498823	3025.63	4/15/09		336.50		2689.13	Sierrita
MH-13B	904072	3523605	498823	3025.63	4/21/10		337.47		2688.16	Sierrita
MH-13B	904072	3523605	498823	3025.63	5/23/11		338.75		2686.88	Sierrita
MH-13B	904072	3523605	498823	3025.63	6/11/12		342.50		2683.13	Sierrita
MH-13B	904072	3523605	498823	3025.63	4/3/13		348.98		2676.65	Sierrita
MH-13B	904072	3523605	498823	3025.63	3/12/14		358.93		2666.70	Sierrita
MH-13B	904072	3523605	498823	3025.63	4/10/14		361.02		2664.61	Sierrita
MH-13B	904072	3523605	498823	3025.63	5/14/14		360.97		2664.66	Sierrita
MH-13B	904072	3523605	498823	3025.63	6/12/14		365.82		2659.81	Sierrita
MH-13B	904072	3523605	498823	3025.63	7/28/14		368.39		2657.24	Sierrita
MH-13B	904072	3523605	498823	3025.63	8/7/14		369.30		2656.33	Sierrita
MH-13B	904072	3523605	498823	3025.63	9/8/14		369.93	Static	2655.70	Sierrita
MH-13B	904072	3523605	498823	3025.63	10/29/14		370.39		2655.24	Sierrita
MH-13B	904072	3523605	498823	3025.63	11/26/14		370.78		2654.85	Sierrita
MH-13B	904072	3523605	498823	3025.63	12/17/14		371.23	Static	2654.40	Sierrita
MH-13B	904072	3523605	498823	3025.63	1/29/15		372.73	Static	2652.90	Sierrita
MH-13B	904072	3523605	498823	3025.63	2/27/15		373.00	Static	2652.63	Sierrita
MH-13B	904072	3523605	498823	3025.63	3/18/15		375.64	Static	2649.99	Sierrita
MH-13B	904072	3523605	498823	3025.63	4/22/15		375.55	Static	2650.08	Sierrita
MH-13B	904072	3523605	498823	3025.63	5/21/15		375.62	Static	2650.01	Sierrita
MH-13B	904072	3523605	498823	3025.63	6/2/15		375.68	Static	2649.95	Sierrita
MH-13B	904072	3523605	498823	3025.63	7/23/15		375.75	Static	2649.88	Sierrita
MH-13B	904072	3523605	498823	3025.63	8/25/15		380.98	Static	2644.65	Sierrita
MH-13B	904072	3523605	498823	3025.63	11/5/15		383.30	Static	2642.33	Sierrita
MH-13B	904072	3523605	498823	3025.63	1/18/16		383.41	Static	2642.22	Sierrita
MH-13B	904072	3523605	498823	3025.63	2/11/16		383.38	Static	2642.25	Sierrita



## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	498823	3025.63	3/8/16		383.47	Static	2642.16	Sierrita
MH-13B	904072	3523605	498823	3025.63	4/6/16		384.00	Static	2641.63	Sierrita
MH-13B	904072	3523605	498823	3025.63	12/8/16		384.42	Static	2641.21	Sierrita
MH-13B	904072	3523605	498823	3025.63	5/1/17		381.95	Static	2643.68	Sierrita
MH-13B	904072	3523605	498823	3025.63	11/14/17		389.79	Static	2635.84	Sierrita
MH-13B	904072	3523605	498823	3025.63	5/8/18		387.90	Static	2637.73	Sierrita
MH-13B	904072	3523605	498823	3025.63	12/4/18		387.57	Static	2638.06	Sierrita
MH-13B	904072	3523605	498823	3025.63	4/18/19		385.50	Static	2640.13	Sierrita
MH-13B	904072	3523605	498823	3025.63	12/17/19		390.95	Static	2634.68	Sierrita
MH-13B	904072	3523605	498823	3025.63	4/15/20		392.00	Static	2633.63	Sierrita
MH-13B	904072	3523605	498823	3025.63	12/2/20		397.00	Static	2628.63	Sierrita
MH-13B	904072	3523605	498823	3025.63	5/11/21		400.11	Static	2625.52	Sierrita
MH-13B	904072	3523605	498823	3025.63	12/7/21		403.73	Static	2621.90	Sierrita
MH-13B	904072	3523605	498823	3025.63	5/16/22		406.39	Static	2619.24	Sierrita
MH-13B	904072	3523605	498823	3025.63	12/6/22		408.21	Static	2617.42	Sierrita
MH-13C	904073	3523610	498790	3028.46	11/10/06		335.38		2693.08	Sierrita
MH-13C	904073	3523610	498790	3028.46	1/24/07		335.45		2693.01	Sierrita
MH-13C	904073	3523610	498790	3028.46	4/18/07		337.80		2690.66	Sierrita
MH-13C	904073	3523610	498790	3028.46	7/17/07		339.82		2688.64	Sierrita
MH-13C	904073	3523610	498790	3028.46	10/4/07		340.75		2687.71	Sierrita
MH-13C	904073	3523610	498790	3028.46	1/4/08		340.42		2688.04	Sierrita
MH-13C	904073	3523610	498790	3028.46	4/29/08		341.55		2686.91	Sierrita
MH-13C	904073	3523610	498790	3028.46	7/16/08		343.35		2685.11	Sierrita
MH-13C	904073	3523610	498790	3028.46	10/20/08		344.57		2683.89	Sierrita
MH-13C	904073	3523610	498790	3028.46	1/23/09		343.82		2684.64	Sierrita
MH-13C	904073	3523610	498790	3028.46	4/15/09		343.08		2685.38	Sierrita
MH-13C	904073	3523610	498790	3028.46	4/21/10		343.86		2684.60	Sierrita
MH-13C	904073	3523610	498790	3028.46	5/23/11		344.30		2684.16	Sierrita
MH-13C	904073	3523610	498790	3028.46	6/11/12		348.75		2679.71	Sierrita
MH-13C	904073	3523610	498790	3028.46	4/3/13		353.62		2674.84	Sierrita
MH-13C	904073	3523610	498790	3028.46	3/12/14		362.99		2665.47	Sierrita
MH-13C	904073	3523610	498790	3028.46	4/10/14		365.21		2663.25	Sierrita
MH-13C	904073	3523610	498790	3028.46	5/14/14		365.22		2663.24	Sierrita
MH-13C	904073	3523610	498790	3028.46	6/12/14		370.51		2657.95	Sierrita
MH-13C	904073	3523610	498790	3028.46	7/28/14		373.52		2654.94	Sierrita
MH-13C	904073	3523610	498790	3028.46	8/7/14		374.46		2654.00	Sierrita
MH-13C	904073	3523610	498790	3028.46	9/8/14		375.79	Static	2652.67	Sierrita
MH-13C	904073	3523610	498790	3028.46	10/29/14		376.54		2651.92	Sierrita
MH-13C	904073	3523610	498790	3028.46	11/26/14		377.00		2651.46	Sierrita
MH-13C	904073	3523610	498790	3028.46	12/17/14		377.60	Static	2650.86	Sierrita
MH-13C	904073	3523610	498790	3028.46	1/29/15		378.11	Static	2650.35	Sierrita
MH-13C	904073	3523610	498790	3028.46	2/27/15		378.52	Static	2649.94	Sierrita
MH-13C	904073	3523610	498790	3028.46	3/18/15		382.36	Static	2646.10	Sierrita
MH-13C	904073	3523610	498790	3028.46	4/22/15		382.61	Static	2645.85	Sierrita
MH-13C	904073	3523610	498790	3028.46	5/21/15		382.75	Static	2645.71	Sierrita
MH-13C	904073	3523610	498790	3028.46	6/2/15		382.87	Static	2645.59	Sierrita
MH-13C	904073	3523610	498790	3028.46	7/23/15		382.94	Static	2645.52	Sierrita
MH-13C	904073	3523610	498790	3028.46	8/25/15		386.44	Static	2642.02	Sierrita
MH-13C	904073	3523610	498790	3028.46	11/5/15		388.32	Static	2640.14	Sierrita
MH-13C	904073	3523610	498790	3028.46	1/18/16		388.46	Static	2640.00	Sierrita
MH-13C	904073	3523610	498790	3028.46	2/11/16		388.48	Static	2639.98	Sierrita
MH-13C	904073	3523610	498790	3028.46	3/8/16		388.56	Static	2639.90	Sierrita
MH-13C	904073	3523610	498790	3028.46	4/6/16		391.65	Static	2636.81	Sierrita
MH-13C	904073	3523610	498790	3028.46	12/8/16		391.73	Static	2636.73	Sierrita
MH-13C	904073	3523610	498790	3028.46	5/1/17		390.34	Static	2638.12	Sierrita
MH-13C	904073	3523610	498790	3028.46	11/14/17		459.35	Static	2569.11	Sierrita
MH-13C	904073	3523610	498790	3028.46	5/8/18		399.09	Static	2629.37	Sierrita
MH-13C	904073	3523610	498790	3028.46	12/4/18		400.10	Static	2628.36	Sierrita
MH-13C	904073	3523610	498790	3028.46	4/17/19		397.21	Static	2631.25	Sierrita
MH-13C	904073	3523610	498790	3028.46	12/17/19		401.93	Static	2626.53	Sierrita
MH-13C	904073	3523610	498790	3028.46	4/15/20		401.96	Static	2626.50	Sierrita
MH-13C	904073	3523610	498790	3028.46	12/2/20		405.96	Static	2622.50	Sierrita
MH-13C	904073	3523610	498790	3028.46	5/11/21		407.59	Static	2620.87	Sierrita
MH-13C	904073	3523610	498790	3028.46	12/7/21		412.44	Static	2616.02	Sierrita
MH-13C	904073	3523610	498790	3028.46	5/11/22		413.90	Static	2614.56	Sierrita
MH-13C	904073	3523610	498790	3028.46	12/6/22		417.82	Static	2610.64	Sierrita
MH-14	528098	3525269	497518	3153.46	12/18/06		427.28		2726.18	Sierrita
MH-14	528098	3525269	497518	3153.46	2/23/07		426.75		2726.71	Sierrita

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	497518	3153.46	4/23/07		425.58		2727.88	Sierrita
MH-14	528098	3525269	497518	3153.46	7/10/07		424.20		2729.26	Sierrita
MH-14	528098	3525269	497518	3153.46	10/17/07		422.80		2730.66	Sierrita
MH-14	528098	3525269	497518	3153.46	1/18/08		424.87		2728.59	Sierrita
MH-14	528098	3525269	497518	3153.46	4/8/08		425.13		2728.33	Sierrita
MH-14	528098	3525269	497518	3153.46	7/22/08		423.92		2729.54	Sierrita
MH-14	528098	3525269	497518	3153.46	10/6/08		426.03		2727.43	Sierrita
MH-14	528098	3525269	497518	3153.46	2/13/09		425.90		2727.56	Sierrita
MH-14	528098	3525269	497518	3153.46	4/7/09		424.90		2728.56	Sierrita
MH-14	528098	3525269	497518	3153.46	4/15/10		422.91		2730.55	Sierrita
MH-14	528098	3525269	497518	3153.46	8/12/10		421.82		2731.64	Sierrita
MH-14	528098	3525269	497518	3153.46	4/19/11		418.94		2734.52	Sierrita
MH-14	528098	3525269	497518	3153.46	4/25/12		419.83		2733.63	Sierrita
MH-14	528098	3525269	497518	3153.46	4/2/13		425.59		2727.87	Sierrita
MH-14	528098	3525269	497518	3153.46	10/21/13		426.13		2727.33	Sierrita
MH-14	528098	3525269	497518	3153.46	1/3/14		426.45		2727.01	Sierrita
MH-14	528098	3525269	497518	3153.46	3/25/14		435.04		2718.42	Sierrita
MH-14	528098	3525269	497518	3153.46	4/9/14		436.20		2717.26	Sierrita
MH-14	528098	3525269	497518	3153.46	5/14/14		436.12		2717.34	Sierrita
MH-14	528098	3525269	497518	3153.46	6/24/14		436.09		2717.37	Sierrita
MH-14	528098	3525269	497518	3153.46	7/7/14		440.32		2713.14	Sierrita
MH-14	528098	3525269	497518	3153.46	8/8/14		441.58		2711.88	Sierrita
MH-14	528098	3525269	497518	3153.46	9/9/14		442.76	Static	2710.70	Sierrita
MH-14	528098	3525269	497518	3153.46	10/28/14		442.79		2710.67	Sierrita
MH-14	528098	3525269	497518	3153.46	11/4/14		443.64		2709.82	Sierrita
MH-14	528098	3525269	497518	3153.46	12/20/14		444.48	Static	2708.98	Sierrita
MH-14	528098	3525269	497518	3153.46	1/7/15		445.85	Static	2707.61	Sierrita
MH-14	528098	3525269	497518	3153.46	2/27/15		446.20	Static	2707.26	Sierrita
MH-14	528098	3525269	497518	3153.46	3/26/15		447.25	Static	2706.21	Sierrita
MH-14	528098	3525269	497518	3153.46	4/21/15		447.63	Static	2705.83	Sierrita
MH-14	528098	3525269	497518	3153.46	5/21/15		447.89	Static	2705.57	Sierrita
MH-14	528098	3525269	497518	3153.46	6/2/15		447.93	Static	2705.53	Sierrita
MH-14	528098	3525269	497518	3153.46	7/6/15		449.87	Static	2703.59	Sierrita
MH-14	528098	3525269	497518	3153.46	8/25/15		452.49	Static	2700.97	Sierrita
MH-14	528098	3525269	497518	3153.46	10/7/15		454.52	Static	2698.94	Sierrita
MH-14	528098	3525269	497518	3153.46	11/18/15		454.44	Static	2699.02	Sierrita
MH-14	528098	3525269	497518	3153.46	1/13/16		455.10	Static	2698.36	Sierrita
MH-14	528098	3525269	497518	3153.46	2/11/16		455.18	Static	2698.28	Sierrita
MH-14	528098	3525269	497518	3153.46	3/11/16		455.23	Static	2698.23	Sierrita
MH-14	528098	3525269	497518	3153.46	4/5/16		455.29	Static	2698.17	Sierrita
MH-14	528098	3525269	497518	3153.46	12/6/16		456.18	Static	2697.28	Sierrita
MH-14	528098	3525269	497518	3153.46	1/10/17		456.40	Static	2697.06	Sierrita
MH-14	528098	3525269	497518	3153.46	3/9/17		453.45	Static	2700.01	Sierrita
MH-14	528098	3525269	497518	3153.46	4/3/17		454.28	Static	2699.18	Sierrita
MH-14	528098	3525269	497518	3153.46	7/11/17		452.67	Static	2700.79	Sierrita
MH-14	528098	3525269	497518	3153.46	10/18/17		449.34	Static	2704.12	Sierrita
MH-14	528098	3525269	497518	3153.46	4/10/18		449.39	Static	2704.07	Sierrita
MH-14	528098	3525269	497518	3153.46	10/18/18		449.90	Static	2703.56	Sierrita
MH-14	528098	3525269	497518	3153.46	4/4/19		445.74	Static	2707.72	Sierrita
MH-14	528098	3525269	497518	3153.46	10/2/19		446.00	Static	2707.46	Sierrita
MH-14	528098	3525269	497518	3153.46	4/1/20		449.14	Static	2704.32	Sierrita
MH-14	528098	3525269	497518	3153.46	10/12/20		457.62	Static	2695.84	Sierrita
MH-14	528098	3525269	497518	3153.46	5/26/21		461.08	Static	2692.38	Sierrita
MH-14	528098	3525269	497518	3153.46	10/6/21		462.11	Static	2691.35	Sierrita
MH-14	528098	3525269	497518	3153.46	4/5/22		463.88	Static	2689.58	Sierrita
MH-14	528098	3525269	497518	3153.46	10/12/22		463.60	Static	2689.86	Sierrita
MH-15E	528094	3523274	497585	3111.37	11/10/06		385.25		2726.12	Sierrita
MH-15E	528094	3523274	497585	3111.37	2/23/07		384.07		2727.30	Sierrita
MH-15E	528094	3523274	497585	3111.37	4/23/07		385.11		2726.26	Sierrita
MH-15E	528094	3523274	497585	3111.37	7/21/07		385.80		2725.57	Sierrita
MH-15E	528094	3523274	497585	3111.37	10/20/07		387.08		2724.29	Sierrita
MH-15E	528094	3523274	497585	3111.37	1/18/08		386.60		2724.77	Sierrita
MH-15E	528094	3523274	497585	3111.37	4/21/08		386.18		2725.19	Sierrita
MH-15E	528094	3523274	497585	3111.37	7/29/08		387.39		2723.98	Sierrita
MH-15E	528094	3523274	497585	3111.37	10/24/08		388.51		2722.86	Sierrita
MH-15E	528094	3523274	497585	3111.37	2/17/09		387.46		2723.91	Sierrita
MH-15E	528094	3523274	497585	3111.37	6/2/09		386.98		2724.39	Sierrita
MH-15E	528094	3523274	497585	3111.37	4/13/10		386.17		2725.20	Sierrita

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bis)	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-15E	528094	3523274	497585	3111.37	4/18/11		382.69		2728.68	Sierrita
MH-15E	528094	3523274	497585	3111.37	6/14/12		391.96		2719.41	Sierrita
MH-15E	528094	3523274	497585	3111.37	4/2/13		407.42		2703.95	Sierrita
MH-15E	528094	3523274	497585	3111.37	3/12/14		409.49		2701.88	Sierrita
MH-15E	528094	3523274	497585	3111.37	4/25/14		410.59		2700.78	Sierrita
MH-15E	528094	3523274	497585	3111.37	5/14/14		410.62		2700.75	Sierrita
MH-15E	528094	3523274	497585	3111.37	6/24/14		410.60		2700.77	Sierrita
MH-15E	528094	3523274	497585	3111.37	7/29/14		404.02		2707.35	Sierrita
MH-15E	528094	3523274	497585	3111.37	8/8/14		404.33		2707.04	Sierrita
MH-15E	528094	3523274	497585	3111.37	9/9/14		404.56	Static	2706.81	Sierrita
MH-15E	528094	3523274	497585	3111.37	10/28/14		402.90		2708.47	Sierrita
MH-15E	528094	3523274	497585	3111.37	11/26/14		403.20		2708.17	Sierrita
MH-15E	528094	3523274	497585	3111.37	12/20/14		403.49	Static	2707.88	Sierrita
MH-15E	528094	3523274	497585	3111.37	1/29/15		403.64	Static	2707.73	Sierrita
MH-15E	528094	3523274	497585	3111.37	2/27/15		403.66	Static	2707.71	Sierrita
MH-15E	528094	3523274	497585	3111.37	3/26/15		401.26	Static	2710.11	Sierrita
MH-15E	528094	3523274	497585	3111.37	4/29/15		401.28	Static	2710.09	Sierrita
MH-15E	528094	3523274	497585	3111.37	5/21/15		401.25	Static	2710.12	Sierrita
MH-15E	528094	3523274	497585	3111.37	6/3/15		401.31	Static	2710.06	Sierrita
MH-15E	528094	3523274	497585	3111.37	7/23/15		411.84	Static	2699.53	Sierrita
MH-15E	528094	3523274	497585	3111.37	8/25/15		416.47	Static	2694.90	Sierrita
MH-15E	528094	3523274	497585	3111.37	11/2/15		421.92	Static	2689.45	Sierrita
MH-15E	528094	3523274	497585	3111.37	1/7/16		422.24	Static	2689.13	Sierrita
MH-15E	528094	3523274	497585	3111.37	2/11/16		422.21	Static	2689.16	Sierrita
MH-15E	528094	3523274	497585	3111.37	3/11/16		422.26	Static	2689.11	Sierrita
MH-15E	528094	3523274	497585	3111.37	6/23/16		405.39	Static	2705.98	Sierrita
MH-15E	528094	3523274	497585	3111.37	12/8/16		409.57	Static	2701.80	Sierrita
MH-15E	528094	3523274	497585	3111.37	5/24/17		404.93	Static	2706.44	Sierrita
MH-15E	528094	3523274	497585	3111.37	11/14/17		398.22	Static	2713.15	Sierrita
MH-15E	528094	3523274	497585	3111.37	6/11/18		399.49	Static	2711.88	Sierrita
MH-15E	528094	3523274	497585	3111.37	11/15/18		399.65	Static	2711.72	Sierrita
MH-15E	528094	3523274	497585	3111.37	5/1/19		390.99	Static	2720.38	Sierrita
MH-15E	528094	3523274	497585	3111.37	12/17/19		408.82	Static	2702.55	Sierrita
MH-15E	528094	3523274	497585	3111.37	6/10/20		413.21	Static	2698.16	Sierrita
MH-15E	528094	3523274	497585	3111.37	12/2/20		421.22	Static	2690.15	Sierrita
MH-15E	528094	3523274	497585	3111.37	6/2/21		432.18	Static	2679.19	Sierrita
MH-15E	528094	3523274	497585	3111.37	6/7/22		437.10	Static	2674.27	Sierrita
MH-15E	528094	3523274	497585	3111.37	12/6/22		438.72	Static	2672.65	Sierrita
MH-15W	528093	3523275	497524	3117.07	12/18/06		391.30		2725.77	Sierrita
MH-15W	528093	3523275	497524	3117.07	2/23/07		390.00		2727.07	Sierrita
MH-15W	528093	3523275	497524	3117.07	4/23/07		391.18		2725.89	Sierrita
MH-15W	528093	3523275	497524	3117.07	7/11/07		390.85		2726.22	Sierrita
MH-15W	528093	3523275	497524	3117.07	10/17/07		393.10		2723.97	Sierrita
MH-15W	528093	3523275	497524	3117.07	1/18/08		392.90		2724.17	Sierrita
MH-15W	528093	3523275	497524	3117.07	4/8/08		391.00		2726.07	Sierrita
MH-15W	528093	3523275	497524	3117.07	7/1/08		392.70		2724.37	Sierrita
MH-15W	528093	3523275	497524	3117.07	10/6/08		394.00		2723.07	Sierrita
MH-15W	528093	3523275	497524	3117.07	1/7/09		392.55		2724.52	Sierrita
MH-15W	528093	3523275	497524	3117.07	5/6/09		390.25		2726.82	Sierrita
MH-15W	528093	3523275	497524	3117.07	4/15/10		390.58		2726.49	Sierrita
MH-15W	528093	3523275	497524	3117.07	8/12/10		389.20		2727.87	Sierrita
MH-15W	528093	3523275	497524	3117.07	5/17/11		388.95		2728.12	Sierrita
MH-15W	528093	3523275	497524	3117.07	4/25/12		397.62		2719.45	Sierrita
MH-15W	528093	3523275	497524	3117.07	5/28/13		409.15		2707.92	Sierrita
MH-15W	528093	3523275	497524	3117.07	12/12/13		414.19		2702.88	Sierrita
MH-15W	528093	3523275	497524	3117.07	1/3/14		412.60		2704.47	Sierrita
MH-15W	528093	3523275	497524	3117.07	3/12/14		414.01		2703.06	Sierrita
MH-15W	528093	3523275	497524	3117.07	4/9/14		412.76		2704.31	Sierrita
MH-15W	528093	3523275	497524	3117.07	5/14/14		412.77		2704.30	Sierrita
MH-15W	528093	3523275	497524	3117.07	6/24/14		412.74		2704.33	Sierrita
MH-15W	528093	3523275	497524	3117.07	7/7/14		413.44		2703.63	Sierrita
MH-15W	528093	3523275	497524	3117.07	8/8/14		409.65		2707.42	Sierrita
MH-15W	528093	3523275	497524	3117.07	9/9/14		407.53	Static	2709.54	Sierrita
MH-15W	528093	3523275	497524	3117.07	10/28/14		403.64		2713.43	Sierrita
MH-15W	528093	3523275	497524	3117.07	11/4/14		405.18		2711.89	Sierrita
MH-15W	528093	3523275	497524	3117.07	12/20/14		406.58	Static	2710.49	Sierrita
MH-15W	528093	3523275	497524	3117.07	1/7/15		405.68	Static	2711.39	Sierrita
MH-15W	528093	3523275	497524	3117.07	2/27/15		405.79	Static	2711.28	Sierrita

## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bis)	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-15W	528093	3523275	497524	3117.07	3/26/15		401.30	Static	2715.77	Sierrita
MH-15W	528093	3523275	497524	3117.07	4/21/15		401.33	Static	2715.74	Sierrita
MH-15W	528093	3523275	497524	3117.07	5/18/15		401.27	Static	2715.80	Sierrita
MH-15W	528093	3523275	497524	3117.07	6/3/15		401.36	Static	2715.71	Sierrita
MH-15W	528093	3523275	497524	3117.07	7/6/15		401.37	Static	2715.70	Sierrita
MH-15W	528093	3523275	497524	3117.07	8/25/15		419.08	Static	2697.99	Sierrita
MH-15W	528093	3523275	497524	3117.07	3/9/17		413.89	Static	2703.18	Sierrita
MH-15W	528093	3523275	497524	3117.07	4/3/17		415.79	Static	2701.28	Sierrita
MH-15W	528093	3523275	497524	3117.07	7/11/17		415.65	Static	2701.42	Sierrita
MH-15W	528093	3523275	497524	3117.07	10/19/17		400.00	Static	2717.07	Sierrita
MH-15W	528093	3523275	497524	3117.07	4/11/18		395.82	Static	2721.25	Sierrita
MH-16E	528100	3521870	497577	3097.72	12/18/06		344.70		2753.02	Sierrita
MH-16E	528100	3521870	497577	3097.72	2/23/07		349.39		2748.33	Sierrita
MH-16E	528100	3521870	497577	3097.72	4/23/07		352.85		2744.87	Sierrita
MH-16E	528100	3521870	497577	3097.72	7/21/07		355.00		2742.72	Sierrita
MH-16E	528100	3521870	497577	3097.72	10/20/07		355.55		2742.17	Sierrita
MH-16E	528100	3521870	497577	3097.72	1/19/08		355.30		2742.42	Sierrita
MH-16E	528100	3521870	497577	3097.72	4/21/08		355.15		2742.57	Sierrita
MH-16E	528100	3521870	497577	3097.72	7/29/08		356.78		2740.94	Sierrita
MH-16E	528100	3521870	497577	3097.72	10/24/08		357.62		2740.10	Sierrita
MH-16E	528100	3521870	497577	3097.72	2/17/09		357.02		2740.70	Sierrita
MH-16E	528100	3521870	497577	3097.72	6/2/09		354.15		2743.57	Sierrita
MH-16E	528100	3521870	497577	3097.72	4/13/10		357.71		2740.01	Sierrita
MH-16E	528100	3521870	497577	3097.72	4/18/11		354.93		2742.79	Sierrita
MH-16E	528100	3521870	497577	3097.72	4/26/12		362.82		2734.90	Sierrita
MH-16E	528100	3521870	497577	3097.72	5/23/13		364.82		2732.90	Sierrita
MH-16E	528100	3521870	497577	3097.72	3/12/14		384.61		2713.11	Sierrita
MH-16E	528100	3521870	497577	3097.72	4/25/14		382.54		2715.18	Sierrita
MH-16E	528100	3521870	497577	3097.72	5/14/14		382.56		2715.16	Sierrita
MH-16E	528100	3521870	497577	3097.72	6/24/14		382.55		2715.17	Sierrita
MH-16E	528100	3521870	497577	3097.72	7/29/14		380.17		2717.55	Sierrita
MH-16E	528100	3521870	497577	3097.72	8/8/14		381.30		2716.42	Sierrita
MH-16E	528100	3521870	497577	3097.72	9/9/14		382.26	Static	2715.46	Sierrita
MH-16E	528100	3521870	497577	3097.72	10/28/14		379.10		2718.62	Sierrita
MH-16E	528100	3521870	497577	3097.72	11/26/14		380.26		2717.46	Sierrita
MH-16E	528100	3521870	497577	3097.72	12/21/14		381.24	Static	2716.48	Sierrita
MH-16E	528100	3521870	497577	3097.72	1/29/15		381.30	Static	2716.42	Sierrita
MH-16E	528100	3521870	497577	3097.72	2/27/15		381.33	Static	2716.39	Sierrita
MH-16E	528100	3521870	497577	3097.72	3/26/15		379.61	Static	2718.11	Sierrita
MH-16E	528100	3521870	497577	3097.72	4/29/15		379.56	Static	2718.16	Sierrita
MH-16E	528100	3521870	497577	3097.72	5/21/15		379.58	Static	2718.14	Sierrita
MH-16E	528100	3521870	497577	3097.72	6/3/15		379.64	Static	2718.08	Sierrita
MH-16E	528100	3521870	497577	3097.72	7/23/15		385.44	Static	2712.28	Sierrita
MH-16E	528100	3521870	497577	3097.72	8/25/15		386.73	Static	2710.99	Sierrita
MH-16E	528100	3521870	497577	3097.72	11/2/15		389.51	Static	2708.21	Sierrita
MH-16E	528100	3521870	497577	3097.72	1/7/16		389.68	Static	2708.04	Sierrita
MH-16E	528100	3521870	497577	3097.72	2/11/16		389.77	Static	2707.95	Sierrita
MH-16E	528100	3521870	497577	3097.72	3/11/16		389.80	Static	2707.92	Sierrita
MH-16E	528100	3521870	497577	3097.72	6/23/16		372.10	Static	2725.62	Sierrita
MH-16E	528100	3521870	497577	3097.72	12/8/16		377.64	Static	2720.08	Sierrita
MH-16E	528100	3521870	497577	3097.72	5/24/17		370.32	Static	2727.40	Sierrita
MH-16E	528100	3521870	497577	3097.72	11/14/17		360.24	Static	2737.48	Sierrita
MH-16E	528100	3521870	497577	3097.72	6/11/18		DRY		DRY	Sierrita
MH-16E	528100	3521870	497577	3097.72	11/15/18		DRY		DRY	Sierrita
MH-16E	528100	3521870	497577	3097.72	5/1/19		DRY		DRY	Sierrita
MH-16E	528100	3521870	497577	3097.72	12/17/19		DRY		DRY	Sierrita
MH-16E	528100	3521870	497577	3097.72	6/10/20		DRY		DRY	Sierrita
MH-16W	528099	3521871	497516	3100.24	12/18/06		346.62		2753.62	Sierrita
MH-16W	528099	3521871	497516	3100.24	2/23/07		352.18		2748.06	Sierrita
MH-16W	528099	3521871	497516	3100.24	4/23/07		355.75		2744.49	Sierrita
MH-16W	528099	3521871	497516	3100.24	7/11/07		357.47		2742.77	Sierrita
MH-16W	528099	3521871	497516	3100.24	10/17/07		357.75		2742.49	Sierrita
MH-16W	528099	3521871	497516	3100.24	1/3/08		357.80		2742.44	Sierrita
MH-16W	528099	3521871	497516	3100.24	4/24/08		357.87		2742.37	Sierrita
MH-16W	528099	3521871	497516	3100.24	7/22/08		359.24		2741.00	Sierrita
MH-16W	528099	3521871	497516	3100.24	10/8/08		360.03		2740.21	Sierrita
MH-16W	528099	3521871	497516	3100.24	3/19/09		358.73		2741.51	Sierrita
MH-16W	528099	3521871	497516	3100.24	4/7/09		358.60		2741.64	Sierrita



## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3521871	497516	3100.24	4/15/10		360.31		2739.93	Sierrita
MH-16W	528099	3521871	497516	3100.24	8/12/10		360.42		2739.82	Sierrita
MH-16W	528099	3521871	497516	3100.24	5/17/11		357.55		2742.69	Sierrita
MH-16W	528099	3521871	497516	3100.24	4/25/12		364.24		2736.00	Sierrita
MH-16W	528099	3521871	497516	3100.24	4/2/13		377.99		2722.25	Sierrita
MH-16W	528099	3521871	497516	3100.24	10/21/13		387.88		2712.36	Sierrita
MH-16W	528099	3521871	497516	3100.24	1/3/14		389.39		2710.85	Sierrita
MH-16W	528099	3521871	497516	3100.24	3/12/14		385.88		2714.36	Sierrita
MH-16W	528099	3521871	497516	3100.24	4/9/14		383.83		2716.41	Sierrita
MH-16W	528099	3521871	497516	3100.24	5/14/14		383.87		2716.37	Sierrita
MH-16W	528099	3521871	497516	3100.24	6/24/14		383.89		2716.35	Sierrita
MH-16W	528099	3521871	497516	3100.24	7/7/14		381.43		2718.81	Sierrita
MH-16W	528099	3521871	497516	3100.24	8/8/14		382.48		2717.76	Sierrita
MH-16W	528099	3521871	497516	3100.24	9/9/14		383.38	Static	2716.86	Sierrita
MH-16W	528099	3521871	497516	3100.24	10/28/14		379.41		2720.83	Sierrita
MH-16W	528099	3521871	497516	3100.24	11/4/14		380.82		2719.42	Sierrita
MH-16W	528099	3521871	497516	3100.24	12/21/14		382.11	Static	2718.13	Sierrita
MH-16W	528099	3521871	497516	3100.24	1/7/15		382.74	Static	2717.50	Sierrita
MH-16W	528099	3521871	497516	3100.24	2/27/15		382.81	Static	2717.43	Sierrita
MH-16W	528099	3521871	497516	3100.24	3/26/15		379.84	Static	2720.40	Sierrita
MH-16W	528099	3521871	497516	3100.24	4/21/15		381.49	Static	2718.75	Sierrita
MH-16W	528099	3521871	497516	3100.24	5/21/15		381.20	Static	2719.04	Sierrita
MH-16W	528099	3521871	497516	3100.24	6/3/15		381.43	Static	2718.81	Sierrita
MH-16W	528099	3521871	497516	3100.24	7/6/15		385.73	Static	2714.51	Sierrita
MH-16W	528099	3521871	497516	3100.24	8/25/15		387.68	Static	2712.56	Sierrita
MH-16W	528099	3521871	497516	3100.24	10/8/15		386.10	Static	2714.14	Sierrita
MH-16W	528099	3521871	497516	3100.24	11/2/15		387.14	Static	2713.10	Sierrita
MH-16W	528099	3521871	497516	3100.24	1/13/16		387.06	Static	2713.18	Sierrita
MH-16W	528099	3521871	497516	3100.24	2/11/16		387.02	Static	2713.22	Sierrita
MH-16W	528099	3521871	497516	3100.24	3/11/16		386.95	Static	2713.29	Sierrita
MH-16W	528099	3521871	497516	3100.24	4/5/16		387.02	Static	2713.22	Sierrita
MH-16W	528099	3521871	497516	3100.24	8/16/16		386.20	Static	2714.04	Sierrita
MH-16W	528099	3521871	497516	3100.24	12/6/16		387.24	Static	2713.00	Sierrita
MH-16W	528099	3521871	497516	3100.24	1/10/17		386.92	Static	2713.32	Sierrita
MH-16W	528099	3521871	497516	3100.24	3/9/17		364.35	Static	2735.89	Sierrita
MH-16W	528099	3521871	497516	3100.24	4/4/17		368.45	Static	2731.79	Sierrita
MH-16W	528099	3521871	497516	3100.24	7/11/17		369.92	Static	2730.32	Sierrita
MH-16W	528099	3521871	497516	3100.24	10/19/17		359.75	Static	2740.49	Sierrita
MH-16W	528099	3521871	497516	3100.24	4/11/18		365.59	Static	2734.65	Sierrita
MH-16W	528099	3521871	497516	3100.24	10/18/18		371.95	Static	2728.29	Sierrita
MH-16W	528099	3521871	497516	3100.24	4/4/19		370.89	Static	2729.35	Sierrita
MH-16W	528099	3521871	497516	3100.24	10/31/19		379.15	Static	2721.09	Sierrita
MH-16W	528099	3521871	497516	3100.24	4/1/20		380.29	Static	2719.95	Sierrita
MH-16W	528099	3521871	497516	3100.24	10/12/20		380.42	Static	2719.82	Sierrita
MH-16W	528099	3521871	497516	3100.24	5/26/21		389.22	Static	2711.02	Sierrita
MH-16W	528099	3521871	497516	3100.24	10/7/21		388.19	Static	2712.05	Sierrita
MH-16W	528099	3521871	497516	3100.24	4/5/22		386.77	Static	2713.47	Sierrita
MH-16W	528099	3521871	497516	3100.24	10/12/22		385.72	Static	2714.52	Sierrita
MH-24	563799	3523709	497391	3131.16	11/21/06		397.50		2733.66	Sierrita
MH-24	563799	3523709	497391	3131.16	4/20/07		399.35		2731.81	Sierrita
MH-24	563799	3523709	497391	3131.16	8/3/07		399.33		2731.83	Sierrita
MH-24	563799	3523709	497391	3131.16	11/8/07		400.50		2730.66	Sierrita
MH-24	563799	3523709	497391	3131.16	1/30/08		396.90		2734.26	Sierrita
MH-24	563799	3523709	497391	3131.16	4/24/08		395.89		2735.27	Sierrita
MH-24	563799	3523709	497391	3131.16	8/7/08		396.78		2734.38	Sierrita
MH-24	563799	3523709	497391	3131.16	11/14/08		396.88		2734.28	Sierrita
MH-24	563799	3523709	497391	3131.16	2/17/09		396.31		2734.85	Sierrita
MH-24	563799	3523709	497391	3131.16	6/2/09		396.50		2734.66	Sierrita
MH-24	563799	3523709	497391	3131.16	4/13/10		386.43		2744.73	Sierrita
MH-24	563799	3523709	497391	3131.16	4/18/11		392.84		2738.32	Sierrita
MH-24	563799	3523709	497391	3131.16	4/25/12		396.58		2734.58	Sierrita
MH-24	563799	3523709	497391	3131.16	4/2/13		408.56		2722.60	Sierrita
MH-24	563799	3523709	497391	3131.16	5/22/14		407.41		2723.75	Sierrita
MH-24	563799	3523709	497391	3131.16	6/4/15		404.82	Static	2726.34	Sierrita
MH-24	563799	3523709	497391	3131.16	6/11/18		402.59	Static	2728.57	Sierrita
MH-24	563799	3523709	497391	3131.16	11/15/18		402.56	Static	2728.60	Sierrita
MH-25A	201528	3526510	498880	3056.57	11/13/06		454.11		2602.46	Sierrita
MH-25A	201528	3526510	498880	3056.57	1/10/07		453.10		2603.47	Sierrita

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	498880	3056.57	4/4/07		452.20		2604.37	Sierrita
MH-25A	201528	3526510	498880	3056.57	7/20/07		454.02		2602.55	Sierrita
MH-25A	201528	3526510	498880	3056.57	10/3/07		454.69		2601.88	Sierrita
MH-25A	201528	3526510	498880	3056.57	1/2/08		454.82		2601.75	Sierrita
MH-25A	201528	3526510	498880	3056.57	4/25/08		454.47		2602.10	Sierrita
MH-25A	201528	3526510	498880	3056.57	7/2/08		455.68		2600.89	Sierrita
MH-25A	201528	3526510	498880	3056.57	10/17/08		457.49		2599.08	Sierrita
MH-25A	201528	3526510	498880	3056.57	1/5/09		457		2599.57	Sierrita
MH-25A	201528	3526510	498880	3056.57	4/15/09		455.90		2600.67	Sierrita
MH-25A	201528	3526510	498880	3056.57	4/13/10		458.10		2598.47	Sierrita
MH-25A	201528	3526510	498880	3056.57	4/27/11		459.25		2597.32	Sierrita
MH-25A	201528	3526510	498880	3056.57	5/1/12		459.69		2596.88	Sierrita
MH-25A	201528	3526510	498880	3056.57	4/3/13		461.70		2594.87	Sierrita
MH-25A	201528	3526510	498880	3056.57	3/12/14		473.95		2582.62	Sierrita
MH-25A	201528	3526510	498880	3056.57	4/15/14		477.45		2579.12	Sierrita
MH-25A	201528	3526510	498880	3056.57	5/13/14		477.40		2579.17	Sierrita
MH-25A	201528	3526510	498880	3056.57	6/9/14		482.36		2574.21	Sierrita
MH-25A	201528	3526510	498880	3056.57	7/28/14		486.66		2569.91	Sierrita
MH-25A	201528	3526510	498880	3056.57	8/7/14		488.09		2568.48	Sierrita
MH-25A	201528	3526510	498880	3056.57	9/8/14		489.49	Static	2567.08	Sierrita
MH-25A	201528	3526510	498880	3056.57	10/29/14		492.67		2563.90	Sierrita
MH-25A	201528	3526510	498880	3056.57	11/26/14		495.20		2561.37	Sierrita
MH-25A	201528	3526510	498880	3056.57	12/17/14		497.76	Static	2558.81	Sierrita
MH-25A	201528	3526510	498880	3056.57	1/29/15		499.10	Static	2557.47	Sierrita
MH-25A	201528	3526510	498880	3056.57	2/27/15		500.16	Static	2556.41	Sierrita
MH-25A	201528	3526510	498880	3056.57	3/18/15		498.50	Static	2558.07	Sierrita
MH-25A	201528	3526510	498880	3056.57	4/7/15		499.37	Static	2557.20	Sierrita
MH-25A	201528	3526510	498880	3056.57	5/21/15		501.39	Static	2555.18	Sierrita
MH-25A	201528	3526510	498880	3056.57	6/1/15		503.19	Static	2553.38	Sierrita
MH-25A	201528	3526510	498880	3056.57	8/31/15		505.05	Static	2551.52	Sierrita
MH-25A	201528	3526510	498880	3056.57	11/5/15		505.24	Static	2551.33	Sierrita
MH-25A	201528	3526510	498880	3056.57	1/7/16		507.87	Static	2548.70	Sierrita
MH-25A	201528	3526510	498880	3056.57	2/12/16		508.53	Static	2548.04	Sierrita
MH-25A	201528	3526510	498880	3056.57	3/7/16		508.92	Static	2547.65	Sierrita
MH-25A	201528	3526510	498880	3056.57	4/11/16		510.58	Static	2545.99	Sierrita
MH-25A	201528	3526510	498880	3056.57	12/8/16		510.97	Static	2545.60	Sierrita
MH-25A	201528	3526510	498880	3056.57	5/2/17		518.86	Static	2537.71	Sierrita
MH-25A	201528	3526510	498880	3056.57	11/15/17		521.62	Static	2534.95	Sierrita
MH-25A	201528	3526510	498880	3056.57	4/18/19		520.96	Static	2535.61	Sierrita
MH-25B	208429	3526515	498870	3058.22	11/13/06		455.36		2602.86	Sierrita
MH-25B	208429	3526515	498870	3058.22	1/10/07		454.28		2603.94	Sierrita
MH-25B	208429	3526515	498870	3058.22	4/4/07		453.20		2605.02	Sierrita
MH-25B	208429	3526515	498870	3058.22	7/20/07		455.32		2602.90	Sierrita
MH-25B	208429	3526515	498870	3058.22	10/3/07		456.01		2602.21	Sierrita
MH-25B	208429	3526515	498870	3058.22	1/2/08		456.05		2602.17	Sierrita
MH-25B	208429	3526515	498870	3058.22	4/25/08		456.02		2602.20	Sierrita
MH-25B	208429	3526515	498870	3058.22	7/2/08		457.10		2601.12	Sierrita
MH-25B	208429	3526515	498870	3058.22	10/17/08		458.39		2599.83	Sierrita
MH-25B	208429	3526515	498870	3058.22	1/5/09		458.38		2599.84	Sierrita
MH-25B	208429	3526515	498870	3058.22	4/15/09		457.28		2600.94	Sierrita
MH-25B	208429	3526515	498870	3058.22	4/13/10		458.27		2599.95	Sierrita
MH-25B	208429	3526515	498870	3058.22	4/27/11		460.35		2597.87	Sierrita
MH-25B	208429	3526515	498870	3058.22	6/15/11		460.85		2597.37	Sierrita
MH-25B	208429	3526515	498870	3058.22	5/1/12		460.90		2597.32	Sierrita
MH-25B	208429	3526515	498870	3058.22	4/3/13		463.02		2595.20	Sierrita
MH-25B	208429	3526515	498870	3058.22	3/12/14		475.49		2582.73	Sierrita
MH-25B	208429	3526515	498870	3058.22	4/15/14		478.92		2579.30	Sierrita
MH-25B	208429	3526515	498870	3058.22	5/13/14		478.93		2579.29	Sierrita
MH-25B	208429	3526515	498870	3058.22	6/9/14		483.75		2574.47	Sierrita
MH-25B	208429	3526515	498870	3058.22	7/28/14		488.06		2570.16	Sierrita
MH-25B	208429	3526515	498870	3058.22	8/7/14		489.41		2568.81	Sierrita
MH-25B	208429	3526515	498870	3058.22	9/8/14		490.78	Static	2567.44	Sierrita
MH-25B	208429	3526515	498870	3058.22	10/29/14		493.95		2564.27	Sierrita
MH-25B	208429	3526515	498870	3058.22	11/26/14		496.89		2561.33	Sierrita
MH-25B	208429	3526515	498870	3058.22	12/17/14		499.64	Static	2558.58	Sierrita
MH-25B	208429	3526515	498870	3058.22	1/29/15		501.19	Static	2557.03	Sierrita
MH-25B	208429	3526515	498870	3058.22	2/27/15		502.38	Static	2555.84	Sierrita
MH-25B	208429	3526515	498870	3058.22	3/18/15		499.72	Static	2558.50	Sierrita

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bis)	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-25B	208429	3526515	498870	3058.22	4/7/15		500.60	Static	2557.62	Sierrita
MH-25B	208429	3526515	498870	3058.22	5/21/15		502.63	Static	2555.59	Sierrita
MH-25B	208429	3526515	498870	3058.22	6/1/15		502.94	Static	2555.28	Sierrita
MH-25B	208429	3526515	498870	3058.22	7/23/15		504.42	Static	2553.80	Sierrita
MH-25B	208429	3526515	498870	3058.22	9/21/16		515.10	Static	2543.12	Sierrita
MH-25B	208429	3526515	498870	3058.22	12/8/16		518.21	Static	2540.01	Sierrita
MH-25B	208429	3526515	498870	3058.22	5/2/17		519.29	Static	2538.93	Sierrita
MH-25B	208429	3526515	498870	3058.22	11/15/17		522.10	Static	2536.12	Sierrita
MH-25B	208429	3526515	498870	3058.22	5/2/18		522.21	Static	2536.01	Sierrita
MH-25B	208429	3526515	498870	3058.22	12/4/18		525.34	Static	2532.88	Sierrita
MH-25B	208429	3526515	498870	3058.22	4/18/19		521.45	Static	2536.77	Sierrita
MH-25B	208429	3526515	498870	3058.22	12/17/19		525.78	Static	2532.44	Sierrita
MH-25B	208429	3526515	498870	3058.22	4/22/20		525.07	Static	2533.15	Sierrita
MH-25B	208429	3526515	498870	3058.22	12/2/20		529.87	Static	2528.35	Sierrita
MH-25B	208429	3526515	498870	3058.22	5/12/21		530.00	Static	2528.22	Sierrita
MH-25B	208429	3526515	498870	3058.22	12/7/21		531.70	Static	2526.52	Sierrita
MH-25B	208429	3526515	498870	3058.22	5/10/22		533.63	Static	2524.59	Sierrita
MH-25B	208429	3526515	498870	3058.22	12/6/22		535.94	Static	2522.28	Sierrita
MH-25C	208426	3526491	498875	3057.24	11/13/06		454.65		2602.59	Sierrita
MH-25C	208426	3526491	498875	3057.24	1/10/07		453.57		2603.67	Sierrita
MH-25C	208426	3526491	498875	3057.24	4/13/07		452.30		2604.94	Sierrita
MH-25C	208426	3526491	498875	3057.24	7/20/07		454.42		2602.82	Sierrita
MH-25C	208426	3526491	498875	3057.24	10/3/07		455.19		2602.05	Sierrita
MH-25C	208426	3526491	498875	3057.24	1/2/08		455.06		2602.18	Sierrita
MH-25C	208426	3526491	498875	3057.24	4/25/08		454.84		2602.40	Sierrita
MH-25C	208426	3526491	498875	3057.24	7/2/08		456.23		2601.01	Sierrita
MH-25C	208426	3526491	498875	3057.24	10/17/08		457.49		2599.75	Sierrita
MH-25C	208426	3526491	498875	3057.24	1/5/09		457.30		2599.94	Sierrita
MH-25C	208426	3526491	498875	3057.24	4/15/09		456.41		2600.83	Sierrita
MH-25C	208426	3526491	498875	3057.24	4/13/10		459.28		2597.96	Sierrita
MH-25C	208426	3526491	498875	3057.24	4/27/11		459.16		2598.08	Sierrita
MH-25C	208426	3526491	498875	3057.24	6/15/11		459.52		2597.72	Sierrita
MH-25C	208426	3526491	498875	3057.24	5/1/12		459.76		2597.48	Sierrita
MH-25C	208426	3526491	498875	3057.24	4/3/13		461.80		2595.44	Sierrita
MH-25C	208426	3526491	498875	3057.24	3/12/14		474.31		2582.93	Sierrita
MH-25C	208426	3526491	498875	3057.24	4/15/14		477.67		2579.57	Sierrita
MH-25C	208426	3526491	498875	3057.24	5/13/14		477.63		2579.61	Sierrita
MH-25C	208426	3526491	498875	3057.24	6/9/14		482.63		2574.61	Sierrita
MH-25C	208426	3526491	498875	3057.24	7/28/14		487.01		2570.23	Sierrita
MH-25C	208426	3526491	498875	3057.24	8/7/14		488.25		2568.99	Sierrita
MH-25C	208426	3526491	498875	3057.24	9/8/14		489.69	Static	2567.55	Sierrita
MH-25C	208426	3526491	498875	3057.24	10/29/14		492.81		2564.43	Sierrita
MH-25C	208426	3526491	498875	3057.24	11/26/14		495.28		2561.96	Sierrita
MH-25C	208426	3526491	498875	3057.24	12/17/14		497.94	Static	2559.30	Sierrita
MH-25C	208426	3526491	498875	3057.24	1/29/15		500.06	Static	2557.18	Sierrita
MH-25C	208426	3526491	498875	3057.24	2/27/15		501.45	Static	2555.79	Sierrita
MH-25C	208426	3526491	498875	3057.24	3/18/15		498.51	Static	2558.73	Sierrita
MH-25C	208426	3526491	498875	3057.24	9/21/16		514.86	Static	2542.38	Sierrita
MH-25C	208426	3526491	498875	3057.24	12/8/16		516.18	Static	2541.06	Sierrita
MH-25C	208426	3526491	498875	3057.24	5/2/17		518.90	Static	2538.34	Sierrita
MH-25C	208426	3526491	498875	3057.24	11/15/17		521.81	Static	2535.43	Sierrita
MH-25C	208426	3526491	498875	3057.24	5/2/18		521.85	Static	2535.39	Sierrita
MH-25C	208426	3526491	498875	3057.24	12/4/18		524.97	Static	2532.27	Sierrita
MH-25C	208426	3526491	498875	3057.24	4/18/19		520.93	Static	2536.31	Sierrita
MH-25C	208426	3526491	498875	3057.24	12/17/19		525.35	Static	2531.89	Sierrita
MH-25C	208426	3526491	498875	3057.24	4/22/20		524.69	Static	2532.55	Sierrita
MH-25C	208426	3526491	498875	3057.24	12/2/20		529.45	Static	2527.79	Sierrita
MH-25C	208426	3526491	498875	3057.24	5/12/21		530.81	Static	2526.43	Sierrita
MH-25C	208426	3526491	498875	3057.24	12/7/21		531.25	Static	2525.99	Sierrita
MH-25C	208426	3526491	498875	3057.24	5/10/22		533.24	Static	2524.00	Sierrita
MH-25C	208426	3526491	498875	3057.24	12/6/22		535.50	Static	2521.74	Sierrita
MH-26A	201527	3527818	498853	3070.89	11/13/06		495.74		2575.15	Sierrita
MH-26A	201527	3527818	498853	3070.89	1/15/07		495.65		2575.24	Sierrita
MH-26A	201527	3527818	498853	3070.89	4/4/07		493.75		2577.14	Sierrita
MH-26A	201527	3527818	498853	3070.89	7/19/07		495.02		2575.87	Sierrita
MH-26A	201527	3527818	498853	3070.89	10/2/07		496.12		2574.77	Sierrita
MH-26A	201527	3527818	498853	3070.89	1/2/08		496.28		2574.61	Sierrita
MH-26A	201527	3527818	498853	3070.89	4/25/08		495.73		2575.16	Sierrita

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Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bis)	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-26A	201527	3527818	498853	3070.89	7/2/08		496.98		2573.91	Sierrita
MH-26A	201527	3527818	498853	3070.89	10/17/08		498.23		2572.66	Sierrita
MH-26A	201527	3527818	498853	3070.89	1/5/09		498.76		2572.13	Sierrita
MH-26A	201527	3527818	498853	3070.89	4/21/09		497.85		2573.04	Sierrita
MH-26A	201527	3527818	498853	3070.89	4/13/10		499.68		2571.21	Sierrita
MH-26A	201527	3527818	498853	3070.89	4/27/11		500.71		2570.18	Sierrita
MH-26A	201527	3527818	498853	3070.89	5/2/12		501.05		2569.84	Sierrita
MH-26A	201527	3527818	498853	3070.89	4/4/13		501.96		2568.93	Sierrita
MH-26A	201527	3527818	498853	3070.89	3/12/14		513.50		2557.39	Sierrita
MH-26A	201527	3527818	498853	3070.89	4/15/14		513.40		2557.49	Sierrita
MH-26A	201527	3527818	498853	3070.89	5/13/14		513.36		2557.53	Sierrita
MH-26A	201527	3527818	498853	3070.89	6/9/14		520.93		2549.96	Sierrita
MH-26A	201527	3527818	498853	3070.89	7/28/14		524.95		2545.94	Sierrita
MH-26A	201527	3527818	498853	3070.89	8/7/14		525.55		2545.34	Sierrita
MH-26A	201527	3527818	498853	3070.89	1/7/16		DRY		DRY	Sierrita
MH-26A	201527	3527818	498853	3070.89	2/12/16		DRY		DRY	Sierrita
MH-26A	201527	3527818	498853	3070.89	3/7/16		DRY		DRY	Sierrita
MH-26A	201527	3527818	498853	3070.89	4/11/16		DRY		DRY	Sierrita
MH-26A	201527	3527818	498853	3070.89	12/9/16		DRY		DRY	Sierrita
MH-26A	201527	3527818	498853	3070.89	5/2/17		DRY		DRY	Sierrita
MH-26A	201527	3527818	498853	3070.89	11/15/17		DRY		DRY	Sierrita
MH-26A	201527	3527818	498853	3070.89	5/3/18		DRY		DRY	Sierrita
MH-26B	208427	3527814	498840	3070.50	11/13/06		493.00		2577.50	Sierrita
MH-26B	208427	3527814	498840	3070.50	1/15/07		492.85		2577.65	Sierrita
MH-26B	208427	3527814	498840	3070.50	4/4/07		490.78		2579.72	Sierrita
MH-26B	208427	3527814	498840	3070.50	7/19/07		492.01		2578.49	Sierrita
MH-26B	208427	3527814	498840	3070.50	10/2/07		493.18		2577.32	Sierrita
MH-26B	208427	3527814	498840	3070.50	1/2/08		493.76		2576.74	Sierrita
MH-26B	208427	3527814	498840	3070.50	4/25/08		492.98		2577.52	Sierrita
MH-26B	208427	3527814	498840	3070.50	7/2/08		494.10		2576.40	Sierrita
MH-26B	208427	3527814	498840	3070.50	10/20/08		495.31		2575.19	Sierrita
MH-26B	208427	3527814	498840	3070.50	1/5/09		495.88		2574.62	Sierrita
MH-26B	208427	3527814	498840	3070.50	4/21/09		494.90		2575.60	Sierrita
MH-26B	208427	3527814	498840	3070.50	4/13/10		496.77		2573.73	Sierrita
MH-26B	208427	3527814	498840	3070.50	5/5/11		497.73		2572.77	Sierrita
MH-26B	208427	3527814	498840	3070.50	5/1/12		498.00		2572.50	Sierrita
MH-26B	208427	3527814	498840	3070.50	4/4/13		499.03		2571.47	Sierrita
MH-26B	208427	3527814	498840	3070.50	3/12/14		510.69		2559.81	Sierrita
MH-26B	208427	3527814	498840	3070.50	4/15/14		510.67		2559.83	Sierrita
MH-26B	208427	3527814	498840	3070.50	5/13/14		510.68		2559.82	Sierrita
MH-26B	208427	3527814	498840	3070.50	6/9/14		517.75		2552.75	Sierrita
MH-26B	208427	3527814	498840	3070.50	7/28/14		522.14		2548.36	Sierrita
MH-26B	208427	3527814	498840	3070.50	8/7/14		523.46		2547.04	Sierrita
MH-26B	208427	3527814	498840	3070.50	9/8/14		524.35	Static	2546.15	Sierrita
MH-26B	208427	3527814	498840	3070.50	10/28/14		527.68		2542.82	Sierrita
MH-26B	208427	3527814	498840	3070.50	11/26/14		529.90		2540.60	Sierrita
MH-26B	208427	3527814	498840	3070.50	12/16/14		531.11	Static	2539.39	Sierrita
MH-26B	208427	3527814	498840	3070.50	1/29/15		531.79	Static	2538.71	Sierrita
MH-26B	208427	3527814	498840	3070.50	2/27/15		532.68	Static	2537.82	Sierrita
MH-26B	208427	3527814	498840	3070.50	3/18/15		533.34	Static	2537.16	Sierrita
MH-26B	208427	3527814	498840	3070.50	4/7/15		534.12	Static	2536.38	Sierrita
MH-26B	208427	3527814	498840	3070.50	5/21/15		535.90	Static	2534.60	Sierrita
MH-26B	208427	3527814	498840	3070.50	6/1/15		535.79	Static	2534.71	Sierrita
MH-26B	208427	3527814	498840	3070.50	7/8/15		537.52	Static	2532.98	Sierrita
MH-26B	208427	3527814	498840	3070.50	9/21/16		548.09	Static	2522.41	Sierrita
MH-26B	208427	3527814	498840	3070.50	12/9/16		549.16	Static	2521.34	Sierrita
MH-26B	208427	3527814	498840	3070.50	5/2/17		551.60	Static	2518.90	Sierrita
MH-26B	208427	3527814	498840	3070.50	11/15/17		556.27	Static	2514.23	Sierrita
MH-26B	208427	3527814	498840	3070.50	5/3/18		558.61	Static	2511.89	Sierrita
MH-26B	208427	3527814	498840	3070.50	12/4/18		560.97	Static	2509.53	Sierrita
MH-26B	208427	3527814	498840	3070.50	4/18/19		557.85	Static	2512.65	Sierrita
MH-26B	208427	3527814	498840	3070.50	12/17/19		562.35	Static	2508.15	Sierrita
MH-26B	208427	3527814	498840	3070.50	4/22/20		561.88	Static	2508.62	Sierrita
MH-26B	208427	3527814	498840	3070.50	12/2/20		566.14	Static	2504.36	Sierrita
MH-26B	208427	3527814	498840	3070.50	5/12/21		566.55	Static	2503.95	Sierrita
MH-26B	208427	3527814	498840	3070.50	12/7/21		568.00	Static	2502.50	Sierrita
MH-26B	208427	3527814	498840	3070.50	5/11/22		568.71	Static	2501.79	Sierrita
MH-26B	208427	3527814	498840	3070.50	12/6/22		570.75	Static	2499.75	Sierrita



## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3527807	498865	3069.11	11/13/06		494.45		2574.66	Sierrita
MH-26C	208428	3527807	498865	3069.11	1/15/07		494.10		2575.01	Sierrita
MH-26C	208428	3527807	498865	3069.11	4/4/07		492.30		2576.81	Sierrita
MH-26C	208428	3527807	498865	3069.11	7/19/07		493.62		2575.49	Sierrita
MH-26C	208428	3527807	498865	3069.11	10/2/07		496.58		2572.53	Sierrita
MH-26C	208428	3527807	498865	3069.11	1/2/08		495.35		2573.76	Sierrita
MH-26C	208428	3527807	498865	3069.11	4/25/08		494.37		2574.74	Sierrita
MH-26C	208428	3527807	498865	3069.11	7/2/08		495.55		2573.56	Sierrita
MH-26C	208428	3527807	498865	3069.11	10/20/08		496.78		2572.33	Sierrita
MH-26C	208428	3527807	498865	3069.11	1/5/09		497.21		2571.90	Sierrita
MH-26C	208428	3527807	498865	3069.11	4/21/09		493.95		2575.16	Sierrita
MH-26C	208428	3527807	498865	3069.11	4/13/10		498.14		2570.97	Sierrita
MH-26C	208428	3527807	498865	3069.11	4/27/11		499.14		2569.97	Sierrita
MH-26C	208428	3527807	498865	3069.11	5/1/12		499.44		2569.67	Sierrita
MH-26C	208428	3527807	498865	3069.11	4/4/13		500.61		2568.50	Sierrita
MH-26C	208428	3527807	498865	3069.11	3/12/14		512.31		2556.80	Sierrita
MH-26C	208428	3527807	498865	3069.11	4/15/14		512.27		2556.84	Sierrita
MH-26C	208428	3527807	498865	3069.11	5/13/14		512.30		2556.81	Sierrita
MH-26C	208428	3527807	498865	3069.11	6/9/14		519.21		2549.90	Sierrita
MH-26C	208428	3527807	498865	3069.11	7/28/14		523.77		2545.34	Sierrita
MH-26C	208428	3527807	498865	3069.11	8/7/14		525.34		2543.77	Sierrita
MH-26C	208428	3527807	498865	3069.11	9/8/14		526.04	Static	2543.07	Sierrita
MH-26C	208428	3527807	498865	3069.11	10/28/14		529.30		2539.81	Sierrita
MH-26C	208428	3527807	498865	3069.11	11/26/14		532.02		2537.09	Sierrita
MH-26C	208428	3527807	498865	3069.11	12/16/14		535.02	Static	2534.09	Sierrita
MH-26C	208428	3527807	498865	3069.11	1/29/15		536.86	Static	2532.25	Sierrita
MH-26C	208428	3527807	498865	3069.11	2/27/15		534.31	Static	2534.80	Sierrita
MH-26C	208428	3527807	498865	3069.11	3/18/15		535.01	Static	2534.10	Sierrita
MH-26C	208428	3527807	498865	3069.11	4/7/15		535.70	Static	2533.41	Sierrita
MH-26C	208428	3527807	498865	3069.11	5/21/15		537.57	Static	2531.54	Sierrita
MH-26C	208428	3527807	498865	3069.11	6/1/15		539.22	Static	2529.89	Sierrita
MH-26C	208428	3527807	498865	3069.11	7/8/15		541.12	Static	2527.99	Sierrita
MH-26C	208428	3527807	498865	3069.11	8/17/15		541.14	Static	2527.97	Sierrita
MH-26C	208428	3527807	498865	3069.11	11/6/15		541.29	Static	2527.82	Sierrita
MH-26C	208428	3527807	498865	3069.11	1/7/16		543.66	Static	2525.45	Sierrita
MH-26C	208428	3527807	498865	3069.11	2/12/16		544.54	Static	2524.57	Sierrita
MH-26C	208428	3527807	498865	3069.11	3/7/16		545.45	Static	2523.66	Sierrita
MH-26C	208428	3527807	498865	3069.11	9/21/16		549.78	Static	2519.33	Sierrita
MH-26C	208428	3527807	498865	3069.11	12/9/16		551.19	Static	2517.92	Sierrita
MH-26C	208428	3527807	498865	3069.11	5/2/17		552.85	Static	2516.26	Sierrita
MH-26C	208428	3527807	498865	3069.11	11/15/17		557.59	Static	2511.52	Sierrita
MH-26C	208428	3527807	498865	3069.11	5/3/18		559.68	Static	2509.43	Sierrita
MH-26C	208428	3527807	498865	3069.11	12/4/18		562.22	Static	2506.89	Sierrita
MH-26C	208428	3527807	498865	3069.11	4/18/19		559.10	Static	2510.01	Sierrita
MH-26C	208428	3527807	498865	3069.11	12/17/19		563.61	Static	2505.50	Sierrita
MH-26C	208428	3527807	498865	3069.11	4/22/20		563.14	Static	2505.97	Sierrita
MH-26C	208428	3527807	498865	3069.11	12/2/20		567.42	Static	2501.69	Sierrita
MH-26C	208428	3527807	498865	3069.11	5/12/21		567.95	Static	2501.16	Sierrita
MH-26C	208428	3527807	498865	3069.11	12/7/21		569.25	Static	2499.86	Sierrita
MH-26C	208428	3527807	498865	3069.11	5/11/22		569.97	Static	2499.14	Sierrita
MH-26C	208428	3527807	498865	3069.11	12/6/22		572.03	Static	2497.08	Sierrita
MH-28	903648	3524610	497471	3142.18	11/14/06		401.10		2741.08	Sierrita
MH-28	903648	3524610	497471	3142.18	2/19/07		401.10		2741.08	Sierrita
MH-28	903648	3524610	497471	3142.18	4/17/07		402.32		2739.86	Sierrita
MH-28	903648	3524610	497471	3142.18	7/16/07		403.18		2739.00	Sierrita
MH-28	903648	3524610	497471	3142.18	10/11/07		403.00		2739.18	Sierrita
MH-28	903648	3524610	497471	3142.18	1/21/08		402.72		2739.46	Sierrita
MH-28	903648	3524610	497471	3142.18	4/8/08		401.90		2740.28	Sierrita
MH-28	903648	3524610	497471	3142.18	7/1/08		401.48		2740.70	Sierrita
MH-28	903648	3524610	497471	3142.18	10/6/08		402.17		2740.01	Sierrita
MH-28	903648	3524610	497471	3142.18	1/7/09		402		2740.18	Sierrita
MH-28	903648	3524610	497471	3142.18	4/7/09		401.06		2741.12	Sierrita
MH-28	903648	3524610	497471	3142.18	10/13/09		401.10		2741.08	Sierrita
MH-28	903648	3524610	497471	3142.18	4/15/10		395.65		2746.53	Sierrita
MH-28	903648	3524610	497471	3142.18	8/12/10		398.60		2743.58	Sierrita
MH-28	903648	3524610	497471	3142.18	10/12/10		399.00		2743.18	Sierrita
MH-28	903648	3524610	497471	3142.18	5/17/11		396.89		2745.29	Sierrita
MH-28	903648	3524610	497471	3142.18	10/4/11		397.90		2744.28	Sierrita

## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3524610	497471	3142.18	5/21/12		398.64		2743.54	Sierrita
MH-28	903648	3524610	497471	3142.18	10/9/12		403.77		2738.41	Sierrita
MH-28	903648	3524610	497471	3142.18	4/2/13		405.08		2737.10	Sierrita
MH-28	903648	3524610	497471	3142.18	10/21/13		407.88		2734.30	Sierrita
MH-28	903648	3524610	497471	3142.18	1/3/14		408.01		2734.17	Sierrita
MH-28	903648	3524610	497471	3142.18	3/12/14		411.69		2730.49	Sierrita
MH-28	903648	3524610	497471	3142.18	4/9/14		412.72		2729.46	Sierrita
MH-28	903648	3524610	497471	3142.18	5/14/14		412.74		2729.44	Sierrita
MH-28	903648	3524610	497471	3142.18	6/24/14		412.76		2729.42	Sierrita
MH-28	903648	3524610	497471	3142.18	7/7/14		414.90		2727.28	Sierrita
MH-28	903648	3524610	497471	3142.18	8/8/14		414.60		2727.58	Sierrita
MH-28	903648	3524610	497471	3142.18	9/9/14		414.19	Static	2727.99	Sierrita
MH-28	903648	3524610	497471	3142.18	10/28/14		415.32		2726.86	Sierrita
MH-28	903648	3524610	497471	3142.18	11/4/14		415.92		2726.26	Sierrita
MH-28	903648	3524610	497471	3142.18	12/20/14		416.46	Static	2725.72	Sierrita
MH-28	903648	3524610	497471	3142.18	1/7/15		416.16	Static	2726.02	Sierrita
MH-28	903648	3524610	497471	3142.18	2/27/15		416.10	Static	2726.08	Sierrita
MH-28	903648	3524610	497471	3142.18	3/26/15		414.87	Static	2727.31	Sierrita
MH-28	903648	3524610	497471	3142.18	4/21/15		414.83	Static	2727.35	Sierrita
MH-28	903648	3524610	497471	3142.18	5/21/15		414.80	Static	2727.38	Sierrita
MH-28	903648	3524610	497471	3142.18	6/3/15		414.86	Static	2727.32	Sierrita
MH-28	903648	3524610	497471	3142.18	7/6/15		416.53	Static	2725.65	Sierrita
MH-28	903648	3524610	497471	3142.18	7/20/15		416.85	Static	2725.33	Sierrita
MH-28	903648	3524610	497471	3142.18	8/25/15		417.35	Static	2724.83	Sierrita
MH-28	903648	3524610	497471	3142.18	10/8/15		417.68	Static	2724.50	Sierrita
MH-28	903648	3524610	497471	3142.18	11/2/15		417.63	Static	2724.55	Sierrita
MH-28	903648	3524610	497471	3142.18	1/13/16		418.49	Static	2723.69	Sierrita
MH-28	903648	3524610	497471	3142.18	2/11/16		418.67	Static	2723.51	Sierrita
MH-28	903648	3524610	497471	3142.18	3/11/16		418.74	Static	2723.44	Sierrita
MH-28	903648	3524610	497471	3142.18	4/5/16		417.34	Static	2724.84	Sierrita
MH-28	903648	3524610	497471	3142.18	8/16/16		415.50	Static	2726.68	Sierrita
MH-28	903648	3524610	497471	3142.18	10/26/16		415.13	Static	2727.05	Sierrita
MH-28	903648	3524610	497471	3142.18	1/10/17		415.10	Static	2727.08	Sierrita
MH-28	903648	3524610	497471	3142.18	4/5/17		414.94	Static	2727.24	Sierrita
MH-28	903648	3524610	497471	3142.18	7/6/17		416.84	Static	2725.34	Sierrita
MH-28	903648	3524610	497471	3142.18	10/11/17		414.89	Static	2727.29	Sierrita
MH-28	903648	3524610	497471	3142.18	4/10/18		413.39	Static	2728.79	Sierrita
MH-28	903648	3524610	497471	3142.18	8/7/18		412.65	Static	2729.53	Sierrita
MH-28	903648	3524610	497471	3142.18	10/16/18		411.40	Static	2730.78	Sierrita
MH-28	903648	3524610	497471	3142.18	4/2/19		412.30	Static	2729.88	Sierrita
MH-28	903648	3524610	497471	3142.18	10/1/19		414.61	Static	2727.57	Sierrita
MH-28	903648	3524610	497471	3142.18	4/2/20		415.91	Static	2726.27	Sierrita
MH-28	903648	3524610	497471	3142.18	10/12/20		417.80	Static	2724.38	Sierrita
MH-28	903648	3524610	497471	3142.18	4/5/21		419.58	Static	2722.60	Sierrita
MH-28	903648	3524610	497471	3142.18	10/7/21		421.49	Static	2720.69	Sierrita
MH-28	903648	3524610	497471	3142.18	4/5/22		422.03	Static	2720.15	Sierrita
MH-28	903648	3524610	497471	3142.18	10/6/22		421.52	Static	2720.66	Sierrita
MH-29	903649	3522806	497604	3123.15	11/14/06		378.05		2745.10	Sierrita
MH-29	903649	3522806	497604	3123.15	2/19/07		376.58		2746.57	Sierrita
MH-29	903649	3522806	497604	3123.15	4/17/07		376.75		2746.40	Sierrita
MH-29	903649	3522806	497604	3123.15	7/16/07		379.07		2744.08	Sierrita
MH-29	903649	3522806	497604	3123.15	10/11/07		381.92		2741.23	Sierrita
MH-29	903649	3522806	497604	3123.15	1/18/08		380.41		2742.74	Sierrita
MH-29	903649	3522806	497604	3123.15	4/8/08		380.16		2742.99	Sierrita
MH-29	903649	3522806	497604	3123.15	7/1/08		380.50		2742.65	Sierrita
MH-29	903649	3522806	497604	3123.15	10/7/08		381.52		2741.63	Sierrita
MH-29	903649	3522806	497604	3123.15	1/9/09		380.25		2742.90	Sierrita
MH-29	903649	3522806	497604	3123.15	4/7/09		379.90		2743.25	Sierrita
MH-29	903649	3522806	497604	3123.15	10/13/09		380.52		2742.63	Sierrita
MH-29	903649	3522806	497604	3123.15	4/15/10		379.59		2743.56	Sierrita
MH-29	903649	3522806	497604	3123.15	8/12/10		378.65		2744.50	Sierrita
MH-29	903649	3522806	497604	3123.15	10/12/10		379.31		2743.84	Sierrita
MH-29	903649	3522806	497604	3123.15	4/20/11		377.75		2745.40	Sierrita
MH-29	903649	3522806	497604	3123.15	5/23/11		377.80		2745.35	Sierrita
MH-29	903649	3522806	497604	3123.15	10/4/11		380.25		2742.90	Sierrita
MH-29	903649	3522806	497604	3123.15	5/21/12		389.39		2733.76	Sierrita
MH-29	903649	3522806	497604	3123.15	10/9/12		365.70		2757.45	Sierrita
MH-29	903649	3522806	497604	3123.15	4/2/13		392.00		2731.15	Sierrita

## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3522806	497604	3123.15	11/8/13		393.39		2729.76	Sierrita
MH-29	903649	3522806	497604	3123.15	12/11/13		394.82		2728.33	Sierrita
MH-29	903649	3522806	497604	3123.15	1/3/14		394.63		2728.52	Sierrita
MH-29	903649	3522806	497604	3123.15	3/12/14		394.25		2728.90	Sierrita
MH-29	903649	3522806	497604	3123.15	4/9/14		393.95		2729.20	Sierrita
MH-29	903649	3522806	497604	3123.15	5/14/14		393.92		2729.23	Sierrita
MH-29	903649	3522806	497604	3123.15	6/24/14		393.94		2729.21	Sierrita
MH-29	903649	3522806	497604	3123.15	7/7/14		392.13		2731.02	Sierrita
MH-29	903649	3522806	497604	3123.15	8/8/14		392.28		2730.87	Sierrita
MH-29	903649	3522806	497604	3123.15	9/9/14		392.59	Static	2730.56	Sierrita
MH-29	903649	3522806	497604	3123.15	10/28/14		400.46		2722.69	Sierrita
MH-29	903649	3522806	497604	3123.15	11/4/14		400.90		2722.25	Sierrita
MH-29	903649	3522806	497604	3123.15	12/21/14		401.30	Static	2721.85	Sierrita
MH-29	903649	3522806	497604	3123.15	1/7/15		402.56	Static	2720.59	Sierrita
MH-29	903649	3522806	497604	3123.15	2/27/15		402.89	Static	2720.26	Sierrita
MH-29	903649	3522806	497604	3123.15	3/26/15		402.18	Static	2720.97	Sierrita
MH-29	903649	3522806	497604	3123.15	4/21/15		402.40	Static	2720.75	Sierrita
MH-29	903649	3522806	497604	3123.15	5/21/15		402.49	Static	2720.66	Sierrita
MH-29	903649	3522806	497604	3123.15	6/3/15		402.52	Static	2720.63	Sierrita
MH-29	903649	3522806	497604	3123.15	7/6/15		404.41	Static	2718.74	Sierrita
MH-29	903649	3522806	497604	3123.15	8/25/15		404.64	Static	2718.51	Sierrita
MH-29	903649	3522806	497604	3123.15	10/8/15		404.75	Static	2718.40	Sierrita
MH-29	903649	3522806	497604	3123.15	11/2/15		404.71	Static	2718.44	Sierrita
MH-29	903649	3522806	497604	3123.15	1/13/16		404.88	Static	2718.27	Sierrita
MH-29	903649	3522806	497604	3123.15	2/11/16		404.93	Static	2718.22	Sierrita
MH-29	903649	3522806	497604	3123.15	3/11/16		404.90	Static	2718.25	Sierrita
MH-29	903649	3522806	497604	3123.15	4/5/16		404.94	Static	2718.21	Sierrita
MH-29	903649	3522806	497604	3123.15	8/16/16		404.76	Static	2718.39	Sierrita
MH-29	903649	3522806	497604	3123.15	10/26/16		404.72	Static	2718.43	Sierrita
MH-29	903649	3522806	497604	3123.15	1/10/17		404.50	Static	2718.65	Sierrita
MH-29	903649	3522806	497604	3123.15	3/9/17		391.53	Static	2731.62	Sierrita
MH-29	903649	3522806	497604	3123.15	4/5/17		396.50	Static	2726.65	Sierrita
MH-29	903649	3522806	497604	3123.15	7/6/17		395.78	Static	2727.37	Sierrita
MH-29	903649	3522806	497604	3123.15	10/11/17		387.59	Static	2735.56	Sierrita
MH-29	903649	3522806	497604	3123.15	4/10/18		388.52	Static	2734.63	Sierrita
MH-29	903649	3522806	497604	3123.15	8/7/18		392.58	Static	2730.57	Sierrita
MH-29	903649	3522806	497604	3123.15	10/16/18		395.19	Static	2727.96	Sierrita
MH-29	903649	3522806	497604	3123.15	4/2/19		386.92	Static	2736.23	Sierrita
MH-29	903649	3522806	497604	3123.15	10/15/19		395.46	Static	2727.69	Sierrita
MH-29	903649	3522806	497604	3123.15	4/2/20		403.16	Static	2719.99	Sierrita
MH-29	903649	3522806	497604	3123.15	10/14/20		401.31	Static	2721.84	Sierrita
MH-29	903649	3522806	497604	3123.15	4/5/21		405.92	Static	2717.23	Sierrita
MH-29	903649	3522806	497604	3123.15	10/7/21		407.32	Static	2715.83	Sierrita
MH-29	903649	3522806	497604	3123.15	4/5/22		413.95	Static	2709.20	Sierrita
MH-29	903649	3522806	497604	3123.15	10/6/22		407.37	Static	2715.78	Sierrita
MH-30	903884	3525927	496682	3232.45	11/10/06		422.78		2809.67	Sierrita
MH-30	903884	3525927	496682	3232.45	1/9/07		421.65		2810.80	Sierrita
MH-30	903884	3525927	496682	3232.45	4/9/07		419.32		2813.13	Sierrita
MH-30	903884	3525927	496682	3232.45	7/11/07		416.85		2815.60	Sierrita
MH-30	903884	3525927	496682	3232.45	10/2/07		416.95		2815.50	Sierrita
MH-30	903884	3525927	496682	3232.45	1/18/08		417.34		2815.11	Sierrita
MH-30	903884	3525927	496682	3232.45	4/8/08		418.12		2814.33	Sierrita
MH-30	903884	3525927	496682	3232.45	7/1/08		417.71		2814.74	Sierrita
MH-30	903884	3525927	496682	3232.45	10/6/08		417.11		2815.34	Sierrita
MH-30	903884	3525927	496682	3232.45	1/7/09		416.37		2816.08	Sierrita
MH-30	903884	3525927	496682	3232.45	4/7/09		415.10		2817.35	Sierrita
MH-30	903884	3525927	496682	3232.45	4/15/10		412.03		2820.42	Sierrita
MH-30	903884	3525927	496682	3232.45	5/17/11		412.18		2820.27	Sierrita
MH-30	903884	3525927	496682	3232.45	4/26/12		420.61		2811.84	Sierrita
MH-30	903884	3525927	496682	3232.45	6/6/13		427.36		2805.09	Sierrita
MH-30	903884	3525927	496682	3232.45	3/12/14		429.01		2803.44	Sierrita
MH-30	903884	3525927	496682	3232.45	4/8/14		429.46		2802.99	Sierrita
MH-30	903884	3525927	496682	3232.45	5/14/14		429.47		2802.98	Sierrita
MH-30	903884	3525927	496682	3232.45	6/24/14		429.48		2802.97	Sierrita
MH-30	903884	3525927	496682	3232.45	7/29/14		430.12		2802.33	Sierrita
MH-30	903884	3525927	496682	3232.45	8/8/14		430.23		2802.22	Sierrita
MH-30	903884	3525927	496682	3232.45	9/9/14		430.41	Static	2802.04	Sierrita
MH-30	903884	3525927	496682	3232.45	10/28/14		451.78		2780.67	Sierrita

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bis)	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
MH-30	903884	3525927	496682	3232.45	11/26/14		430.82		2801.63	Sierrita
MH-30	903884	3525927	496682	3232.45	12/20/14		436.19	Static	2796.26	Sierrita
MH-30	903884	3525927	496682	3232.45	1/29/15		440.11	Static	2792.34	Sierrita
MH-30	903884	3525927	496682	3232.45	2/27/15		442.88	Static	2789.57	Sierrita
MH-30	903884	3525927	496682	3232.45	3/26/15		431.34	Static	2801.11	Sierrita
MH-30	903884	3525927	496682	3232.45	4/21/15		431.27	Static	2801.18	Sierrita
MH-30	903884	3525927	496682	3232.45	5/21/15		431.31	Static	2801.14	Sierrita
MH-30	903884	3525927	496682	3232.45	6/2/15		431.28	Static	2801.17	Sierrita
MH-30	903884	3525927	496682	3232.45	7/23/15		431.55	Static	2800.90	Sierrita
MH-30	903884	3525927	496682	3232.45	8/25/15		431.70	Static	2800.75	Sierrita
MH-30	903884	3525927	496682	3232.45	11/2/15		431.92	Static	2800.53	Sierrita
MH-30	903884	3525927	496682	3232.45	1/7/16		432.06	Static	2800.39	Sierrita
MH-30	903884	3525927	496682	3232.45	2/11/16		432.00	Static	2800.45	Sierrita
MH-30	903884	3525927	496682	3232.45	3/11/16		431.97	Static	2800.48	Sierrita
MH-30	903884	3525927	496682	3232.45	4/5/16		430.31	Static	2802.14	Sierrita
MH-30	903884	3525927	496682	3232.45	12/8/16		431.40	Static	2801.05	Sierrita
MH-30	903884	3525927	496682	3232.45	6/1/17		425.81	Static	2806.64	Sierrita
MH-30	903884	3525927	496682	3232.45	11/14/17		425.58	Static	2806.87	Sierrita
MH-30	903884	3525927	496682	3232.45	4/11/18		426.29	Static	2806.16	Sierrita
MH-30	903884	3525927	496682	3232.45	11/15/18		428.43	Static	2804.02	Sierrita
MH-30	903884	3525927	496682	3232.45	4/17/19		429.00	Static	2803.45	Sierrita
MH-30	903884	3525927	496682	3232.45	12/17/19		429.49	Static	2802.96	Sierrita
MH-30	903884	3525927	496682	3232.45	4/15/20		430.64	Static	2801.81	Sierrita
MH-30	903884	3525927	496682	3232.45	12/2/20		432.86	Static	2799.59	Sierrita
MH-30	903884	3525927	496682	3232.45	5/11/21		433.72	Static	2798.73	Sierrita
MH-30	903884	3525927	496682	3232.45	11/16/21		435.40	Static	2797.05	Sierrita
MH-30	903884	3525927	496682	3232.45	5/16/22		433.94	Static	2798.51	Sierrita
MH-30	903884	3525927	496682	3232.45	12/14/22		431.46	Static	2800.99	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	7/30/07		425.87		2538.79	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	10/9/07		428.32		2536.34	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	1/24/08		426.32		2538.34	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	4/9/08		424.72		2539.94	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	7/14/08		428.42		2536.24	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	10/17/08		431.02		2533.64	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	1/16/09		428.90		2535.76	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	4/1/09		426.86		2537.80	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	7/1/09		426.90		2537.76	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	10/22/09		434.05		2530.61	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	4/16/10		428.89		2535.77	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	10/13/10		434.09		2530.57	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	5/5/11		429.31		2535.35	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	10/6/11		433.60		2531.06	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	6/12/12		431.38		2533.28	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	10/24/12		435.12		2529.54	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	4/8/13		429.69		2534.97	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	10/23/13		435.06		2529.60	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	3/12/14		435.92		2528.74	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	4/29/14		437.74		2526.92	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	5/8/14		437.72		2526.94	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	6/9/14		440.59		2524.07	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	7/28/14		443.83		2520.83	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	8/7/14		444.58		2520.08	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	9/8/14		445.78	Static	2518.88	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	10/28/14		448.18		2516.48	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	11/12/14		448.42		2516.24	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	12/16/14		448.63	Static	2516.03	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	1/29/15		448.74	Static	2515.92	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	2/27/15		448.80	Static	2515.86	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	3/12/15		448.48	Static	2516.18	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	4/22/15		449.85	Static	2514.81	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	5/21/15		450.06	Static	2514.60	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	6/1/15		450.21	Static	2514.45	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	7/23/15		454.05	Static	2510.61	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	8/25/15		455.41	Static	2509.25	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	10/20/15		456.84	Static	2507.82	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	11/6/15		456.90	Static	2507.76	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	1/7/16		456.62	Static	2508.04	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	2/12/16		455.97	Static	2508.69	Sierrita



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Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	500017	2964.66	3/7/16		455.84	Static	2508.82	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	4/7/16		456.52	Static	2508.14	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	10/5/16		463.11	Static	2501.55	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	3/22/17		462.82	Static	2501.84	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	6/6/17		467.81	Static	2496.85	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	10/5/17		472.40	Static	2492.26	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	4/12/18		473.25	Static	2491.41	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	11/19/18		479.12	Static	2485.54	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	4/8/19		475.78	Static	2488.88	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	10/21/19		484.18	Static	2480.48	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	4/16/20		480.12	Static	2484.54	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	10/21/20		488.46	Static	2476.20	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	5/10/21		485.22	Static	2479.44	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	10/4/21		488.15	Static	2476.51	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	4/12/22		485.20	Static	2479.46	Sierrita
MO-2007-1A	907342	3529331	500017	2964.66	10/10/22		487.26	Static	2477.40	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	7/30/07		425.67		2539.17	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	10/9/07		429.20		2535.64	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	1/24/08		426.41		2538.43	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	4/9/08		425.05		2539.79	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	7/14/08		428.98		2535.86	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	10/17/08		431.64		2533.20	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	1/16/09		429.05		2535.79	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	4/1/09		427.23		2537.61	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	7/1/09		427.70		2537.14	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	10/22/09		434.90		2529.94	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	4/16/10		429.13		2535.71	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	10/13/10		434.47		2530.37	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	5/5/11		429.65		2535.19	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	10/6/11		434.10		2530.74	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	6/12/12		431.95		2532.89	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	10/24/12		435.62		2529.22	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	4/8/13		429.03		2535.81	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	10/23/13		435.71		2529.13	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	3/12/14		436.56		2528.28	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	4/29/14		438.64		2526.20	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	5/8/14		438.67		2526.17	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	6/9/14		441.65		2523.19	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	7/28/14		444.85		2519.99	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	8/7/14		445.81		2519.03	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	9/8/14		446.61	Static	2518.23	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	10/28/14		448.92		2515.92	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	11/12/14		449.05		2515.79	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	12/16/14		449.19	Static	2515.65	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	1/29/15		449.18	Static	2515.66	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	2/27/15		449.19	Static	2515.65	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	3/12/15		448.97	Static	2515.87	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	4/22/15		450.52	Static	2514.32	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	5/21/15		451.10	Static	2513.74	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	6/1/15		451.56	Static	2513.28	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	7/23/15		454.96	Static	2509.88	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	8/25/15		456.16	Static	2508.68	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	10/20/15		457.46	Static	2507.38	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	11/6/15		457.51	Static	2507.33	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	1/7/16		456.88	Static	2507.96	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	2/12/16		456.39	Static	2508.45	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	3/7/16		456.05	Static	2508.79	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	4/7/16		457.18	Static	2507.66	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	10/5/16		463.83	Static	2501.01	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	3/22/17		463.35	Static	2501.49	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	6/6/17		468.72	Static	2496.12	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	10/5/17		472.50	Static	2492.34	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	4/12/18		473.23	Static	2491.61	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	11/19/18		479.30	Static	2485.54	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	4/8/19		476.21	Static	2488.63	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	10/21/19		484.70	Static	2480.14	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	4/16/20		480.09	Static	2484.75	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	10/21/20		488.74	Static	2476.10	Sierrita

## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bis)	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
MO-2007-1B	907210	3529329	500022	2964.84	5/10/21		485.30	Static	2479.54	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	10/4/21		488.14	Static	2476.70	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	4/12/22		484.95	Static	2479.89	Sierrita
MO-2007-1B	907210	3529329	500022	2964.84	10/10/22		486.58	Static	2478.26	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	7/30/07		423.87		2544.71	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	10/9/07		427.02		2541.56	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	1/24/08		424.00		2544.58	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	4/9/08		423.30		2545.28	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	7/14/08		426.73		2541.85	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	10/21/08		429.49		2539.09	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	1/16/09		426.75		2541.83	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	4/1/09		424.90		2543.68	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	7/1/09		428.81		2539.77	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	10/22/09		427.60		2540.98	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	4/16/10		426.93		2541.65	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	10/13/10		431.88		2536.70	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	4/20/11		427.32		2541.26	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	10/6/11		431.80		2536.78	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	6/12/12		429.40		2539.18	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	10/24/12		433.08		2535.50	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	4/8/13		426.50		2542.08	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	10/23/13		433.06		2535.52	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	3/12/14		434.69		2533.89	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	4/29/14		437.08		2531.50	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	5/8/14		436.98		2531.60	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	6/9/14		440.40		2528.18	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	7/28/14		443.49		2525.09	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	8/7/14		444.30		2524.28	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	9/8/14		445.02	Static	2523.56	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	10/28/14		447.53		2521.05	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	11/12/14		447.62		2520.96	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	12/16/14		447.70	Static	2520.88	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	1/29/15		447.80	Static	2520.78	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	2/27/15		447.84	Static	2520.74	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	3/12/15		447.72	Static	2520.86	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	4/22/15		449.56	Static	2519.02	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	5/21/15		450.74	Static	2517.84	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	6/1/15		451.18	Static	2517.40	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	7/23/15		454.01	Static	2514.57	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	8/25/15		455.18	Static	2513.40	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	10/20/15		456.30	Static	2512.28	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	11/6/15		456.67	Static	2511.91	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	1/7/16		455.64	Static	2512.94	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	2/12/16		455.31	Static	2513.27	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	3/7/16		455.12	Static	2513.46	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	4/7/16		456.31	Static	2512.27	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	10/5/16		463.00	Static	2505.58	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	3/22/17		463.00	Static	2505.58	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	6/6/17		468.71	Static	2499.87	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	10/5/17		471.62	Static	2496.96	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	4/12/18		472.73	Static	2495.85	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	11/19/18		478.40	Static	2490.18	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	4/8/19		475.91	Static	2492.67	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	10/21/19		483.86	Static	2484.72	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	4/16/20		479.61	Static	2488.97	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	10/21/20		487.96	Static	2480.62	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	5/10/21		484.75	Static	2483.83	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	10/4/21		487.59	Static	2480.99	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	4/12/22		484.52	Static	2484.06	Sierrita
MO-2007-1C	907209	3529329	500013	2968.58	10/10/22		485.78	Static	2482.80	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	8/9/07		575.30		2575.57	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	10/9/07		576.60		2574.27	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	1/22/08		577.22		2573.65	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	4/17/08		576.65		2574.22	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	7/14/08		577.35		2573.52	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	10/17/08		578.54		2572.33	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	1/15/09		579.10		2571.77	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	4/1/09		578.38		2572.49	Sierrita

## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	497912	3150.87	4/13/10		580.50		2570.37	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	4/27/11		581.41		2569.46	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	5/2/12		581.75		2569.12	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	4/8/13		582.45		2568.42	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	3/12/14		592.12		2558.75	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	4/9/14		591.93		2558.94	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	5/8/14		590.86		2560.01	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	6/9/14		600.45		2550.42	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	7/28/14		604.52		2546.35	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	8/7/14		605.29		2545.58	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	9/8/14		607.39	Static	2543.48	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	10/28/14		610.63		2540.24	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	11/26/14		612.53		2538.34	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	12/16/14		613.88	Static	2536.99	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	1/29/15		615.76	Static	2535.11	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	2/17/15		616.21	Static	2534.66	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	3/12/15		617.30	Static	2533.57	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	4/7/15		618.25	Static	2532.62	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	5/21/15		619.83	Static	2531.04	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	6/1/15		620.29	Static	2530.58	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	7/22/15		621.75	Static	2529.12	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	8/14/15		622.49	Static	2528.38	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	11/18/15		625.66	Static	2525.21	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	12/8/16		633.18	Static	2517.69	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	4/20/17		638.15	Static	2512.72	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	11/14/17		639.35	Static	2511.52	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	4/19/18		644.01	Static	2506.86	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	11/15/18		643.73	Static	2507.14	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	4/24/19		640.78	Static	2510.09	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	12/17/19		644.70	Static	2506.17	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	4/14/20		644.15	Static	2506.72	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	12/1/20		648.22	Static	2502.65	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	4/9/21		648.57	Static	2502.30	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	12/8/21		650.20	Static	2500.67	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	6/14/22		651.30	Static	2499.57	Sierrita
MO-2007-2	906765	3527621	497912	3150.87	6/28/22		652.00	Static	2498.87	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	9/10/07		359.38		2549.74	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	10/9/07		359.55		2549.57	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	1/21/08		357.13		2551.99	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	4/16/08		357.10		2552.02	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	7/14/08		358.71		2550.41	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	10/22/08		361.77		2547.35	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	1/19/09		358.95		2550.17	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	4/1/09		357.70		2551.42	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	7/27/09		361.21		2547.91	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	10/22/09		365.50		2543.62	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	3/11/10		359.36		2549.76	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	4/14/10		360.30		2548.82	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	7/21/10		362.20		2546.92	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	10/26/10		364.82		2544.30	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	1/18/11		361.99		2547.13	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	5/4/11		361.59		2547.53	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	7/6/11		363.80		2545.32	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	11/22/11		365.10		2544.02	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	1/11/12		363.36		2545.76	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	5/8/12		362.09		2547.03	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	8/7/12		363.87		2545.25	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	1/8/13		362.33		2546.79	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	4/9/13		360.13		2548.99	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	5/21/13		359.84		2549.28	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	8/27/13		365.16		2543.96	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	10/24/13		366.19		2542.93	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	1/7/14		364.11		2545.01	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	3/12/14		368.18		2540.94	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	4/16/14		369.34		2539.78	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	5/14/14		369.35		2539.77	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	6/23/14		369.35		2539.77	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	7/1/14		375.64		2533.48	Sierrita

## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	906816	3528509	500522	2909.12	7/8/14		375.64		2533.48	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	8/8/14		377.48		2531.64	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	9/9/14		378.82	Static	2530.30	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	10/29/14		379.96		2529.16	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	11/13/14		381.17		2527.95	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	12/17/14		382.07	Static	2527.05	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	1/21/15		382.22	Static	2526.90	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	2/27/15		382.40	Static	2526.72	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	3/26/15		382.99	Static	2526.13	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	4/27/15		384.26	Static	2524.86	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	5/21/15		385.07	Static	2524.05	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	6/2/15		385.86	Static	2523.26	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	7/7/15		388.29	Static	2520.83	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	8/14/15		390.46	Static	2518.66	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	10/21/15		390.68	Static	2518.44	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	11/2/15		390.72	Static	2518.40	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	1/4/16		391.00	Static	2518.12	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	2/11/16		391.06	Static	2518.06	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	3/11/16		391.15	Static	2517.97	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	4/11/16		392.36	Static	2516.76	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	7/6/16		395.89	Static	2513.23	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	8/24/16		397.00	Static	2512.12	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	10/5/16		398.28	Static	2510.84	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	1/10/17		397.80	Static	2511.32	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	5/3/17		400.61	Static	2508.51	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	7/12/17		404.75	Static	2504.37	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	10/9/17		408.01	Static	2501.11	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	1/10/18		407.01	Static	2502.11	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	4/17/18		410.14	Static	2498.98	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	8/8/18		413.65	Static	2495.47	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	11/28/18		420.40	Static	2488.72	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	2/18/19		420.49	Static	2488.63	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	4/9/19		411.50	Static	2497.62	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	7/17/19		413.97	Static	2495.15	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	10/22/19		417.22	Static	2491.90	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	1/16/20		415.28	Static	2493.84	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	4/13/20		413.83	Static	2495.29	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	7/17/20		418.67	Static	2490.45	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	10/23/20		421.18	Static	2487.94	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	12/8/20		420.31	Static	2488.81	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	1/15/21		419.08	Static	2490.04	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	4/15/21		418.30	Static	2490.82	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	8/9/21		421.11	Static	2488.01	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	10/25/21		422.57	Static	2486.55	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	1/17/22		420.31	Static	2488.81	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	4/14/22		420.68	Static	2488.44	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	8/15/22		423.69	Static	2485.43	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	10/20/22		422.81	Static	2486.31	Sierrita
MO-2007-3B	906816	3528509	500522	2909.12	1/23/23		420.38	Static	2488.74	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	7/5/07		356.30		2552.57	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	10/10/07		359.85		2549.02	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	1/21/08		356.74		2552.13	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	4/15/08		357.18		2551.69	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	7/14/08		359.84		2549.03	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	10/21/08		361.99		2546.88	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	1/19/09		359.61		2549.26	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	4/1/09		358		2550.87	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	7/22/09		362		2546.87	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	10/22/09		362.80		2546.07	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	3/11/10		359.62		2549.25	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	4/14/10		360.45		2548.42	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	7/21/10		367.50		2541.37	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	10/26/10		365.13		2543.74	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	1/18/11		361.62		2547.25	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	5/4/11		361.61		2547.26	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	7/6/11		363.75		2545.12	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	10/5/11		365.50		2543.37	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	1/11/12		363.36		2545.51	Sierrita



## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3528509	500530	2908.87	5/7/12		362.35		2546.52	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	8/7/12		364.49		2544.38	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	10/10/12		366.50		2542.37	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	1/8/13		362.59		2546.28	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	4/9/13		360.45		2548.42	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	8/27/13		365.47		2543.40	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	10/24/13		366.79		2542.08	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	1/7/14		364.19		2544.68	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	3/12/14		368.09		2540.78	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	4/16/14		369.60		2539.27	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	5/14/14		369.63		2539.24	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	6/23/14		369.65		2539.22	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	7/1/14		376.55		2532.32	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	7/9/14		376.55		2532.32	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	8/8/14		377.79		2531.08	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	9/9/14		379.28	Static	2529.59	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	10/29/14		380.51		2528.36	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	11/13/14		381.92		2526.95	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	12/17/14		383.22	Static	2525.65	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	1/21/15		381.99	Static	2526.88	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	2/27/15		382.14	Static	2526.73	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	3/26/15		383.42	Static	2525.45	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	4/27/15		384.85	Static	2524.02	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	5/21/15		385.50	Static	2523.37	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	6/2/15		386.10	Static	2522.77	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	7/7/15		389.01	Static	2519.86	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	8/14/15		391.60	Static	2517.27	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	10/21/15		391.47	Static	2517.40	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	11/2/15		391.43	Static	2517.44	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	1/4/16		391.32	Static	2517.55	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	2/11/16		391.29	Static	2517.58	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	3/11/16		391.35	Static	2517.52	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	4/11/16		392.60	Static	2516.27	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	7/6/16		396.00	Static	2512.87	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	8/24/16		397.63	Static	2511.24	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	10/5/16		398.89	Static	2509.98	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	1/10/17		397.75	Static	2511.12	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	5/3/17		401.03	Static	2507.84	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	7/12/17		405.00	Static	2503.87	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	10/9/17		408.00	Static	2500.87	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	1/11/18		408.19	Static	2500.68	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	4/17/18		409.84	Static	2499.03	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	8/8/18		413.71	Static	2495.16	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	11/26/18		413.02	Static	2495.85	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	2/18/19		409.49	Static	2499.38	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	4/9/19		411.16	Static	2497.71	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	7/17/19		414.56	Static	2494.31	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	10/22/19		417.85	Static	2491.02	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	1/15/20		415.67	Static	2493.20	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	4/13/20		413.97	Static	2494.90	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	7/17/20		419.46	Static	2489.41	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	12/8/20		420.22	Static	2488.65	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	1/15/21		418.77	Static	2490.10	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	4/15/21		418.50	Static	2490.37	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	8/9/21		421.20	Static	2487.67	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	10/25/21		422.04	Static	2486.83	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	1/17/22		420.08	Static	2488.79	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	4/14/22		420.60	Static	2488.27	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	8/15/22		423.27	Static	2485.60	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	10/20/22		422.73	Static	2486.14	Sierrita
MO-2007-3C	906817	3528509	500530	2908.87	1/23/23		420.08	Static	2488.79	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	10/9/07		307.67		2615.96	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	1/22/08		303.85		2619.78	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	4/16/08		305.46		2618.17	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	7/17/08		308.05		2615.58	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	10/22/08		309.65		2613.98	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	1/19/09		306.28		2617.35	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	4/2/09		306.69		2616.94	Sierrita

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	3525635	500384	2923.63	7/1/09		307.92		2615.71	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	10/26/09		309.10		2614.53	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	1/26/10		308.52		2615.11	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	4/14/10		308.53		2615.10	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	7/21/10		311.05		2612.58	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	10/13/10		312.00		2611.63	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	1/19/11		308.82		2614.81	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	5/4/11		309.68		2613.95	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	7/6/11		311.75		2611.88	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	10/5/11		312.50		2611.13	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	1/17/12		310.05		2613.58	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	5/7/12		310.42		2613.21	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	8/13/12		313.30		2610.33	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	10/23/12		314.17		2609.46	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	2/21/13		311.70		2611.93	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	4/10/13		312.68		2610.95	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	7/10/13		316.31		2607.32	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	10/22/13		318.07		2605.56	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	1/10/14		316.34		2607.29	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	3/12/14		319.78		2603.85	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	4/8/14		321.40		2602.23	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	5/6/14		321.36		2602.27	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	6/23/14		321.33		2602.30	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	7/8/14		329.06		2594.57	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	8/8/14		331.16		2592.47	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	9/9/14		332.77	Static	2590.86	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	10/29/14		334.28		2589.35	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	11/12/14		335.68		2587.95	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	12/17/14		336.93	Static	2586.70	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	1/14/15		337.62	Static	2586.01	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	2/27/15		337.92	Static	2585.71	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	3/26/15		339.75	Static	2583.88	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	4/15/15		340.81	Static	2582.82	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	5/21/15		340.96	Static	2582.67	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	6/2/15		341.09	Static	2582.54	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	7/8/15		345.02	Static	2578.61	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	8/14/15		348.22	Static	2575.41	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	10/22/15		349.01	Static	2574.62	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	11/2/15		349.11	Static	2574.52	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	1/4/16		349.81	Static	2573.82	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	2/11/16		349.90	Static	2573.73	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	3/8/16		349.95	Static	2573.68	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	4/7/16		351.76	Static	2571.87	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	7/5/16		355.00	Static	2568.63	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	8/24/16		357.00	Static	2566.63	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	10/25/16		359.05	Static	2564.58	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	1/12/17		359.41	Static	2564.22	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	5/3/17		361.97	Static	2561.66	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	7/13/17		364.39	Static	2559.24	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	10/10/17		366.11	Static	2557.52	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	1/15/18		365.30	Static	2558.33	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	4/16/18		366.83	Static	2556.80	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	8/9/18		369.48	Static	2554.15	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	12/3/18		368.91	Static	2554.72	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	2/14/19		366.09	Static	2557.54	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	4/11/19		365.69	Static	2557.94	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	7/18/19		369.62	Static	2554.01	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	9/9/19		370.76	Static	2552.87	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	10/22/19		371.38	Static	2552.25	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	11/14/19		370.76	Static	2552.87	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	12/4/19		370.45	Static	2553.18	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	1/16/20		369.83	Static	2553.80	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	2/5/20		369.81	Static	2553.82	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	3/5/20		369.72	Static	2553.91	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	4/14/20		371.94	Static	2551.69	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	7/28/20		376.67	Static	2546.96	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	11/3/20		377.77	Static	2545.86	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	1/14/21		375.71	Static	2547.92	Sierrita

## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bis)	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
MO-2007-4A	907213	3525635	500384	2923.63	5/6/21		379.47	Static	2544.16	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	8/13/21		379.18	Static	2544.45	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	10/13/21		381.06	Static	2542.57	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	1/14/22		376.61	Static	2547.02	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	4/13/22		380.18	Static	2543.45	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	8/23/22		382.69	Static	2540.94	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	10/24/22		383.46	Static	2540.17	Sierrita
MO-2007-4A	907213	3525635	500384	2923.63	1/19/23		380.81	Static	2542.82	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	10/11/07		308.72		2614.85	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	1/7/08		304.22		2619.35	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	4/16/08		306.48		2617.09	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	7/18/08		308.95		2614.62	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	10/22/08		310.77		2612.80	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	1/21/09		306		2617.57	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	4/2/09		306.72		2616.85	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	7/1/09		309.1		2614.47	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	10/26/09		313.00		2610.57	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	1/26/10		308.29		2615.28	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	4/14/10		308.79		2614.78	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	7/21/10		311.22		2612.35	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	10/13/10		312.39		2611.18	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	1/19/11		308.84		2614.73	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	5/4/11		310.40		2613.17	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	7/6/11		312.85		2610.72	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	10/5/11		313.50		2610.07	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	1/17/12		309.81		2613.76	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	5/7/12		311.47		2612.10	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	8/13/12		314.42		2609.15	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	10/23/12		315.28		2608.29	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	2/21/13		311.79		2611.78	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	4/10/13		313.17		2610.40	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	7/10/13		317.96		2605.61	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	10/22/13		319.56		2604.01	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	1/10/14		316.92		2606.65	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	3/12/14		322.35		2601.22	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	4/8/14		324.09		2599.48	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	5/6/14		324.03		2599.54	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	6/23/14		324.00		2599.57	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	7/8/14		333.65		2589.92	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	8/8/14		335.20		2588.37	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	9/9/14		336.99	Static	2586.58	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	10/29/14		338.56		2585.01	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	11/12/14		339.10		2584.47	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	12/17/14		339.66	Static	2583.91	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	1/14/15		340.55	Static	2583.02	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	2/27/15		340.70	Static	2582.87	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	3/26/15		343.16	Static	2580.41	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	4/15/15		345.50	Static	2578.07	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	5/21/15		346.89	Static	2576.68	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	6/2/15		348.27	Static	2575.30	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	7/8/15		348.40	Static	2575.17	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	8/14/15		348.79	Static	2574.78	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	10/22/15		351.65	Static	2571.92	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	11/2/15		351.79	Static	2571.78	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	1/4/16		351.66	Static	2571.91	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	2/11/16		351.63	Static	2571.94	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	3/8/16		351.59	Static	2571.98	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	4/7/16		354.90	Static	2568.67	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	7/5/16		357.28	Static	2566.29	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	8/24/16		360.30	Static	2563.27	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	10/25/16		362.00	Static	2561.57	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	1/12/17		360.51	Static	2563.06	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	5/3/17		364.61	Static	2558.96	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	7/13/17		366.76	Static	2556.81	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	10/10/17		371.87	Static	2551.70	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	1/15/18		365.55	Static	2558.02	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	4/16/18		367.90	Static	2555.67	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	8/9/18		370.81	Static	2552.76	Sierrita

## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bis)	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
MO-2007-4B	907212	3525614	500381	2923.57	12/3/18		368.75	Static	2554.82	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	2/14/19		365.77	Static	2557.80	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	4/11/19		365.80	Static	2557.77	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	7/18/19		370.73	Static	2552.84	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	9/9/19		372.17	Static	2551.40	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	10/17/19		372.08	Static	2551.49	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	11/14/19		370.90	Static	2552.67	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	12/4/19		370.16	Static	2553.41	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	1/16/20		369.40	Static	2554.17	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	2/5/20		369.40	Static	2554.17	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	3/5/20		369.80	Static	2553.77	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	4/14/20		373.75	Static	2549.82	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	7/28/20		378.74	Static	2544.83	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	11/3/20		377.36	Static	2546.21	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	1/14/21		375.37	Static	2548.20	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	5/6/21		381.33	Static	2542.24	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	8/12/21		378.62	Static	2544.95	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	10/13/21		382.14	Static	2541.43	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	1/14/22		376.41	Static	2547.16	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	4/13/22		381.74	Static	2541.83	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	8/23/22		381.84	Static	2541.73	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	10/24/22		382.65	Static	2540.92	Sierrita
MO-2007-4B	907212	3525614	500381	2923.57	1/19/23		379.65	Static	2543.92	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	8/12/07		307.13		2616.53	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	10/12/07		308.78		2614.88	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	1/22/08		304.90		2618.76	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	4/16/08		306.75		2616.91	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	7/18/08		309.10		2614.56	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	10/22/08		311.41		2612.25	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	1/21/09		306.80		2616.86	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	4/2/09		311.49		2612.17	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	7/1/09		311.68		2611.98	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	10/26/09		311.30		2612.36	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	1/26/10		309.53		2614.13	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	4/14/10		309.58		2614.08	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	7/21/10		312.75		2610.91	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	10/13/10		313.49		2610.17	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	1/19/11		309.94		2613.72	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	5/4/11		311.53		2612.13	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	7/6/11		314.05		2609.61	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	10/5/11		314.80		2608.86	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	1/12/12		311.00		2612.66	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	5/7/12		312.37		2611.29	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	8/13/12		315.55		2608.11	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	10/23/12		316.47		2607.19	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	2/21/13		312.89		2610.77	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	4/10/13		314.14		2609.52	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	7/10/13		318.94		2604.72	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	10/22/13		320.63		2603.03	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	1/10/14		318.02		2605.64	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	3/12/14		323.88		2599.78	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	4/8/14		325.83		2597.83	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	5/6/14		325.81		2597.85	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	6/23/14		325.84		2597.82	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	7/8/14		335.70		2587.96	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	8/8/14		336.88		2586.78	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	9/9/14		338.81	Static	2584.85	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	10/29/14		340.60		2583.06	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	11/12/14		341.00		2582.66	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	12/17/14		341.53	Static	2582.13	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	1/14/15		342.40	Static	2581.26	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	2/27/15		342.47	Static	2581.19	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	3/26/15		344.92	Static	2578.74	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	4/15/15		347.40	Static	2576.26	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	5/21/15		349.11	Static	2574.55	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	6/2/15		350.79	Static	2572.87	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	7/8/15		350.81	Static	2572.85	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	8/14/15		350.93	Static	2572.73	Sierrita



## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	500382	2923.66	10/22/15		353.38	Static	2570.28	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	11/2/15		353.47	Static	2570.19	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	1/4/16		353.36	Static	2570.30	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	2/11/16		353.31	Static	2570.35	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	3/8/16		353.28	Static	2570.38	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	4/7/16		356.68	Static	2566.98	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	7/5/16		359.00	Static	2564.66	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	8/24/16		362.00	Static	2561.66	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	10/25/16		363.81	Static	2559.85	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	1/12/17		362.22	Static	2561.44	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	5/3/17		366.20	Static	2557.46	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	7/13/17		368.30	Static	2555.36	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	10/10/17		369.79	Static	2553.87	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	1/15/18		367.13	Static	2556.53	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	4/16/18		369.39	Static	2554.27	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	8/9/18		372.30	Static	2551.36	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	12/3/18		370.11	Static	2553.55	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	2/14/19		367.17	Static	2556.49	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	4/11/19		367.27	Static	2556.39	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	7/18/19		372.10	Static	2551.56	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	9/9/19		373.63	Static	2550.03	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	10/17/19		373.41	Static	2550.25	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	11/14/19		372.10	Static	2551.56	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	12/4/19		371.51	Static	2552.15	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	1/16/20		370.67	Static	2552.99	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	2/5/20		370.66	Static	2553.00	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	3/5/20		371.00	Static	2552.66	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	4/14/20		375.62	Static	2548.04	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	7/28/20		380.65	Static	2543.01	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	11/3/20		378.55	Static	2545.11	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	1/14/21		376.44	Static	2547.22	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	5/6/21		382.08	Static	2541.58	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	8/13/21		379.76	Static	2543.90	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	10/13/21		383.87	Static	2539.79	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	1/14/22		377.65	Static	2546.01	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	4/13/22		383.50	Static	2540.16	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	8/23/22		383.05	Static	2540.61	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	10/24/22		383.65	Static	2540.01	Sierrita
MO-2007-4C	907211	3525624	500382	2923.66	1/19/23		380.75	Static	2542.91	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	10/12/07		268.27		2676.08	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	1/7/08		262.09		2682.26	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	4/17/08		266.22		2678.13	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	7/24/08		268.61		2675.74	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	10/23/08		272.16		2672.19	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	1/21/09		265.83		2678.52	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	4/2/09		269.20		2675.15	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	1/25/10		268.30		2676.05	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	4/27/10		268.02		2676.33	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	12/10/10		272.31		2672.04	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	6/24/11		275.70		2668.65	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	11/21/11		273.28		2671.07	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	6/20/12		277.46		2666.89	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	11/6/12		280.33		2664.02	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	6/12/13		288.32		2656.03	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	10/24/13		287.84		2656.51	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	3/12/14		287.24		2657.11	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	4/29/14		294.80		2649.55	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	5/14/14		294.78		2649.57	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	6/23/14		294.76		2649.59	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	7/28/14		299.29		2645.06	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	8/7/14		301.38		2642.97	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	9/8/14		302.31	Static	2642.04	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	10/15/14		300.14		2644.21	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	11/26/14		300.87		2643.48	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	12/17/14		301.43	Static	2642.92	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	1/29/15		301.89	Static	2642.46	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	2/27/15		302.08	Static	2642.27	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	3/18/15		303.65	Static	2640.70	Sierrita

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	500014	2944.35	4/28/15		307.69	Static	2636.66	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	5/21/15		309.80	Static	2634.55	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	6/2/15		311.87	Static	2632.48	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	7/24/15		311.80	Static	2632.55	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	8/25/15		312.19	Static	2632.16	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	11/4/15		312.41	Static	2631.94	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	1/7/16		309.68	Static	2634.67	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	2/12/16		308.51	Static	2635.84	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	3/8/16		308.22	Static	2636.13	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	4/12/16		310.08	Static	2634.27	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	9/21/16		316.53	Static	2627.82	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	10/26/16		315.69	Static	2628.66	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	5/2/17		319.01	Static	2625.34	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	7/12/17		322.88	Static	2621.47	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	10/4/17		320.55	Static	2623.80	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	4/18/18		315.95	Static	2628.40	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	11/20/18		316.81	Static	2627.54	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	4/10/19		317.63	Static	2626.72	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	9/10/19		321.52	Static	2622.83	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	10/10/19		318.67	Static	2625.68	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	11/13/19		319.10	Static	2625.25	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	12/3/19		319.57	Static	2624.78	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	1/15/20		320.51	Static	2623.84	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	2/4/20		320.47	Static	2623.88	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	3/4/20		318.39	Static	2625.96	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	4/7/20		324.16	Static	2620.19	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	10/9/20		329.51	Static	2614.84	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	4/14/21		328.22	Static	2616.13	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	10/5/21		332.40	Static	2611.95	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	4/7/22		332.08	Static	2612.27	Sierrita
MO-2007-5B	907456	3523743	500014	2944.35	10/13/22		336.27	Static	2608.08	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	8/23/07		294.04		2650.87	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	10/13/07		289.70		2655.21	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	1/7/08		285.09		2659.82	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	4/17/08		281.52		2663.39	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	7/24/08		282.42		2662.49	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	10/23/08		285.03		2659.88	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	1/22/09		281.38		2663.53	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	5/13/09		282.35		2662.56	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	10/27/09		284.70		2660.21	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	4/27/10		276.49		2668.42	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	12/10/10		278.31		2666.60	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	5/24/11		278.21		2666.70	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	11/21/11		280.98		2663.93	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	6/18/12		281.66		2663.25	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	11/6/12		286.84		2658.07	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	6/13/13		292.47		2652.44	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	11/12/13		292.49		2652.42	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	3/12/14		291.79		2653.12	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	5/6/14		298.74		2646.17	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	6/23/14		298.76		2646.15	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	7/28/14		304.81		2640.10	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	8/7/14		305.34		2639.57	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	9/8/14		305.94	Static	2638.97	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	10/15/14		305.76		2639.15	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	11/26/14		305.90		2639.01	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	12/17/14		306.05	Static	2638.86	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	1/29/15		306.20	Static	2638.71	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	2/27/15		306.28	Static	2638.63	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	3/18/15		307.24	Static	2637.67	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	4/28/15		311.45	Static	2633.46	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	5/21/15		314.13	Static	2630.78	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	6/2/15		316.83	Static	2628.08	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	7/24/15		316.72	Static	2628.19	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	8/25/15		316.75	Static	2628.16	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	11/4/15		316.90	Static	2628.01	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	1/7/16		314.72	Static	2630.19	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	2/12/16		313.11	Static	2631.80	Sierrita

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	500014	2944.91	3/8/16		312.89	Static	2632.02	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	6/9/16		316.98	Static	2627.93	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	9/21/16		322.60	Static	2622.31	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	10/26/16		325.16	Static	2619.75	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	5/2/17		325.36	Static	2619.55	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	7/12/17		331.48	Static	2613.43	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	10/4/17		329.00	Static	2615.91	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	4/18/18		323.57	Static	2621.34	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	11/20/18		325.12	Static	2619.79	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	4/10/19		326.00	Static	2618.91	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	9/10/19		330.39	Static	2614.52	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	10/10/19		329.52	Static	2615.39	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	11/13/19		330.08	Static	2614.83	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	12/2/19		330.78	Static	2614.13	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	1/14/20		330.49	Static	2614.42	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	2/3/20		331.50	Static	2613.41	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	3/3/20		330.92	Static	2613.99	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	4/7/20		334.74	Static	2610.17	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	10/9/20		340.33	Static	2604.58	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	4/14/21		337.34	Static	2607.57	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	10/5/21		341.75	Static	2603.16	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	4/7/22		338.80	Static	2606.11	Sierrita
MO-2007-5C	907457	3523736	500014	2944.91	10/11/22		343.42	Static	2601.49	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	10/2/07		303.60		2739.77	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	1/22/08		303.27		2740.10	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	4/18/08		304.02		2739.35	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	7/24/08		305.81		2737.56	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	10/23/08		307.85		2735.52	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	1/22/09		305.87		2737.50	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	4/2/09		304.87		2738.50	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	7/22/09		307.15		2736.22	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	10/26/09		307.00		2736.37	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	3/11/10		306.15		2737.22	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	4/21/10		306.44		2736.93	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	8/10/10		309.12		2734.25	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	10/26/10		308.95		2734.42	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	1/18/11		307.78		2735.59	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	5/5/11		308.13		2735.24	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	7/7/11		309.90		2733.47	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	10/6/11		311.10		2732.27	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	1/11/12		311.24		2732.13	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	6/12/12		314.95		2728.42	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	8/13/12		317.93		2725.44	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	10/18/12		316.94		2726.43	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	1/8/13		321.98		2721.39	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	4/9/13		323.05		2720.32	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	7/10/13		326.23		2717.14	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	10/22/13		329.74		2713.63	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	1/6/14		329.94		2713.43	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	3/12/14		329.85		2713.52	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	4/9/14		330.14		2713.23	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	5/14/14		330.12		2713.25	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	6/23/14		330.08		2713.29	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	7/8/14		331.19		2712.18	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	8/7/14		331.41		2711.96	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	9/8/14		331.78	Static	2711.59	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	10/29/14		331.92		2711.45	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	11/26/14		332.08		2711.29	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	12/2/14		331.73	Static	2711.64	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	1/8/15		332.23	Static	2711.14	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	2/27/15		332.26	Static	2711.11	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	3/18/15		331.64	Static	2711.73	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	4/16/15		332.31	Static	2711.06	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	5/21/15		332.86	Static	2710.51	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	6/2/15		333.38	Static	2709.99	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	7/2/15		335.11	Static	2708.26	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	8/25/15		335.91	Static	2707.46	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	10/19/15		336.37	Static	2707.00	Sierrita

## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	498367	3043.37	11/5/15		336.32	Static	2707.05	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	1/18/16		335.74	Static	2707.63	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	2/11/16		335.70	Static	2707.67	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	3/8/16		335.80	Static	2707.57	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	4/6/16		334.20	Static	2709.17	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	7/5/16		332.08	Static	2711.29	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	10/25/16		331.40	Static	2711.97	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	1/11/17		329.40	Static	2713.97	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	5/3/17		330.05	Static	2713.32	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	7/13/17		332.15	Static	2711.22	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	10/11/17		331.00	Static	2712.37	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	1/11/18		328.20	Static	2715.17	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	4/17/18		327.02	Static	2716.35	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	8/13/18		329.32	Static	2714.05	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	11/19/18		331.00	Static	2712.37	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	2/7/19		329.15	Static	2714.22	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	4/9/19		329.16	Static	2714.21	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	7/30/19		328.61	Static	2714.76	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	9/5/19		329.92	Static	2713.45	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	10/9/19		331.46	Static	2711.91	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	11/12/19		333.10	Static	2710.27	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	12/5/19		333.30	Static	2710.07	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	1/13/20		333.17	Static	2710.20	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	2/6/20		333.54	Static	2709.83	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	3/4/20		333.61	Static	2709.76	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	4/8/20		333.84	Static	2709.53	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	7/27/20		335.49	Static	2707.88	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	10/22/20		337.93	Static	2705.44	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	1/12/21		338.60	Static	2704.77	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	4/9/21		339.41	Static	2703.96	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	8/10/21		342.86	Static	2700.51	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	10/14/21		343.61	Static	2699.76	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	1/18/22		342.00	Static	2701.37	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	4/8/22		342.60	Static	2700.77	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	8/8/22		343.76	Static	2699.61	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	10/19/22		344.04	Static	2699.33	Sierrita
MO-2007-6A	907607	3521842	498367	3043.37	1/24/23		342.68	Static	2700.69	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	10/4/07		319.17		2723.88	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	1/21/08		314.78		2728.27	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	4/17/08		314.75		2728.30	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	7/24/08		317.04		2726.01	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	10/23/08		318.17		2724.88	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	1/22/09		316.58		2726.47	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	4/2/09		316.05		2727.00	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	7/22/09		317.49		2725.56	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	10/26/09		319.37		2723.68	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	3/11/10		316.58		2726.47	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	4/21/10		316.64		2726.41	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	8/10/10		318.40		2724.65	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	10/26/10		318.66		2724.39	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	1/18/11		317.52		2725.53	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	5/5/11		317.00		2726.05	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	7/7/11		318.58		2724.47	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	10/6/11		319.92		2723.13	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	1/11/12		320.03		2723.02	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	6/12/12		325.69		2717.36	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	8/13/12		329.12		2713.93	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	10/18/12		332.52		2710.53	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	1/8/13		333.92		2709.13	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	4/9/13		335.80		2707.25	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	7/10/13		337.52		2705.53	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	10/22/13		340.62		2702.43	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	1/6/14		340.62		2702.43	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	3/12/14		340.61		2702.44	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	4/9/14		340.98		2702.07	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	5/14/14		341.00		2702.05	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	6/23/14		341.04		2702.01	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	7/8/14		341.95		2701.10	Sierrita



## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	498368	3043.05	8/7/14		342.50		2700.55	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	9/8/14		342.88	Static	2700.17	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	10/29/14		342.96		2700.09	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	11/26/14		343.11		2699.94	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	12/2/14		345.25		2697.80	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	1/8/15		346.10	Static	2696.95	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	2/27/15		346.87	Static	2696.18	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	3/18/15		346.11	Static	2696.94	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	4/16/15		347.00	Static	2696.05	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	5/21/15		347.39	Static	2695.66	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	6/2/15		347.75	Static	2695.30	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	7/2/15		350.24	Static	2692.81	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	8/25/15		351.57	Static	2691.48	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	10/19/15		351.41	Static	2691.64	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	11/5/15		351.30	Static	2691.75	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	1/18/16		351.95	Static	2691.10	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	2/11/16		352.06	Static	2690.99	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	3/8/16		352.13	Static	2690.92	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	4/6/16		350.88	Static	2692.17	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	7/5/16		346.62	Static	2696.43	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	8/17/16		346.51	Static	2696.54	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	10/25/16		346.80	Static	2696.25	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	1/11/17		346.65	Static	2696.40	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	5/3/17		348.16	Static	2694.89	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	7/13/17		349.12	Static	2693.93	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	10/10/17		345.85	Static	2697.20	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	1/11/18		345.00	Static	2698.05	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	4/17/18		343.29	Static	2699.76	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	8/13/18		345.52	Static	2697.53	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	11/19/18		347.80	Static	2695.25	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	2/7/19		345.02	Static	2698.03	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	4/9/19		344.02	Static	2699.03	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	7/30/19		343.00	Static	2700.05	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	9/5/19		346.02	Static	2697.03	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	10/9/19		348.40	Static	2694.65	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	11/12/19		350.72	Static	2692.33	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	12/5/19		350.71	Static	2692.34	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	1/13/20		351.50	Static	2691.55	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	2/6/20		352.68	Static	2690.37	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	3/4/20		352.69	Static	2690.36	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	4/8/20		353.02	Static	2690.03	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	7/27/20		354.27	Static	2688.78	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	10/22/20		356.35	Static	2686.70	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	1/12/21		357.65	Static	2685.40	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	4/9/21		360.22	Static	2682.83	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	8/10/21		364.32	Static	2678.73	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	10/14/21		362.68	Static	2680.37	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	1/18/22		364.14	Static	2678.91	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	4/8/22		365.33	Static	2677.72	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	8/8/22		366.32	Static	2676.73	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	10/19/22		366.35	Static	2676.70	Sierrita
MO-2007-6B	907606	3521849	498368	3043.05	1/24/23		364.73	Static	2678.32	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	6/2/09		226.35		2664.43	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	7/29/09		222.46		2668.32	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	11/3/09		225.90		2664.88	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	1/25/10		212.26		2678.52	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	4/20/10		219.94		2670.84	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	8/10/10		227.88		2662.90	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	12/15/10		215.16		2675.62	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	2/2/11		214.99		2675.79	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	6/16/11		226.45		2664.33	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	8/31/11		223.97		2666.81	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	12/1/11		219.96		2670.82	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	1/11/12		222.55		2668.23	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	5/9/12		225.63		2665.15	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	8/15/12		234.23		2656.55	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	11/29/12		229.30		2661.48	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	1/8/13		229.63		2661.15	Sierrita

## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bis)	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
MO-2009-1	910458	3523371	500532	2890.78	4/10/13		233.98		2656.80	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	7/11/13		238.53		2652.25	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	10/16/13		237.57		2653.21	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	1/6/14		236.58		2654.20	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	3/12/14		237.34		2653.44	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	4/24/14		248.16		2642.62	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	5/6/14		248.19		2642.59	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	6/23/14		248.22		2642.56	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	7/8/14		252.36		2638.42	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	8/7/14		254.35		2636.43	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	9/8/14		256.45	Static	2634.33	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	10/29/14		258.27		2632.51	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	11/26/14		259.64		2631.14	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	12/2/14		248.01		2642.77	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	1/13/15		248.22	Static	2642.56	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	2/27/15		250.14	Static	2640.64	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	3/26/15		251.42	Static	2639.36	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	4/15/15		262.15	Static	2628.63	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	5/21/15		266.63	Static	2624.15	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	6/2/15		269.42	Static	2621.36	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	7/7/15		268.50	Static	2622.28	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	8/14/15		268.44	Static	2622.34	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	10/20/15		254.32	Static	2636.46	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	11/2/15		253.14	Static	2637.64	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	1/6/16		252.71	Static	2638.07	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	2/11/16		252.67	Static	2638.11	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	3/8/16		252.51	Static	2638.27	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	4/12/16		251.75	Static	2639.03	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	7/5/16		255.42	Static	2635.36	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	10/26/16		259.08	Static	2631.70	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	1/12/17		261.02	Static	2629.76	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	5/4/17		266.01	Static	2624.77	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	7/12/17		268.46	Static	2622.32	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	10/4/17		262.92	Static	2627.86	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	1/18/18		254.40	Static	2636.38	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	4/18/18		256.78	Static	2634.00	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	8/8/18		267.90	Static	2622.88	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	11/20/18		256.88	Static	2633.90	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	2/20/19		257.68	Static	2633.10	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	4/10/19		259.60	Static	2631.18	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	7/30/19		267.60	Static	2623.18	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	9/4/19		267.66	Static	2623.12	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	10/9/19		258.60	Static	2632.18	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	11/11/19		258.12	Static	2632.66	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	12/2/19		261.61	Static	2629.17	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	1/13/20		266.50	Static	2624.28	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	2/4/20		265.15	Static	2625.63	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	3/3/20		264.00	Static	2626.78	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	4/7/20		268.91	Static	2621.87	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	7/16/20		269.06	Static	2621.72	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	10/22/20		278.30	Static	2612.48	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	1/12/21		270.33	Static	2620.45	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	4/9/21		277.55	Static	2613.23	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	8/5/21		276.75	Static	2614.03	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	10/22/21		273.34	Static	2617.44	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	1/18/22		272.56	Static	2618.22	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	4/13/22		274.40	Static	2616.38	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	8/17/22		273.47	Static	2617.31	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	10/24/22		281.30	Static	2609.48	Sierrita
MO-2009-1	910458	3523371	500532	2890.78	1/24/23		273.62	Static	2617.16	Sierrita
MW-2016-5A	919635	3529727	500430	2927.07	8/10/16		427.25	Static	2499.82	Clear Creek
MW-2016-5A	919635	3529727	500430	2927.07	10/6/16		431.85	Static	2495.22	Sierrita
MW-2016-5A	919635	3529727	500430	2927.07	1/11/17		425.00	Static	2502.07	Sierrita
MW-2016-5A	919635	3529727	500430	2927.07	5/9/17		429.00	Static	2498.07	Sierrita
MW-2016-5A	919635	3529727	500430	2927.07	7/11/17		433.49	Static	2493.58	Sierrita
MW-2016-5A	919635	3529727	500430	2927.07	10/3/17		439.74	Static	2487.33	Sierrita
MW-2016-5A	919635	3529727	500430	2927.07	1/10/18		434.47	Static	2492.60	Sierrita
MW-2016-5A	919635	3529727	500430	2927.07	5/10/18		437.88	Static	2489.19	Sierrita

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
MW-2016-5A	919635	3529727	500430	2927.07	8/13/18		442.62	Static	2484.45	Sierrita
MW-2016-5A	919635	3529727	500430	2927.07	11/5/18		442.91	Static	2484.16	Sierrita
MW-2016-5A	919635	3529727	500430	2927.07	2/19/19		437.10	Static	2489.97	Sierrita
MW-2016-5A	919635	3529727	500430	2927.07	4/15/19		437.62	Static	2489.45	Sierrita
MW-2016-5A	919635	3529727	500430	2927.07	10/29/19		449.22	Static	2477.85	Sierrita
MW-2016-5A	919635	3529727	500430	2927.07	4/23/20		441.70	Static	2485.37	Sierrita
MW-2016-5A	919635	3529727	500430	2927.07	11/4/20		447.33	Static	2479.74	Sierrita
MW-2016-5A	919635	3529727	500430	2927.07	5/19/21		455.87	Static	2471.20	Sierrita
MW-2016-5A	919635	3529727	500430	2927.07	10/20/21		451.74	Static	2475.33	Sierrita
MW-2016-5A	919635	3529727	500430	2927.07	5/3/22		447.45	Static	2479.62	Sierrita
MW-2016-5A	919635	3529727	500430	2927.07	11/7/22		450.20	Static	2476.87	Sierrita
MW-2016-5B	919472	3529723	500444	2925.46	8/4/16		425.50	Static	2499.96	Clear Creek
MW-2016-5B	919472	3529723	500444	2925.46	10/6/16		427.01	Static	2498.45	Sierrita
MW-2016-5B	919472	3529723	500444	2925.46	1/11/17		422.41	Static	2503.05	Sierrita
MW-2016-5B	919472	3529723	500444	2925.46	5/9/17		426.96	Static	2498.50	Sierrita
MW-2016-5B	919472	3529723	500444	2925.46	5/31/17		429.00	Static	2496.46	Sierrita
MW-2016-5B	919472	3529723	500444	2925.46	7/11/17		431.99	Static	2493.47	Sierrita
MW-2016-5B	919472	3529723	500444	2925.46	10/3/17		435.27	Static	2490.19	Sierrita
MW-2016-5B	919472	3529723	500444	2925.46	1/10/18		432.07	Static	2493.39	Sierrita
MW-2016-5B	919472	3529723	500444	2925.46	5/10/18		436.01	Static	2489.45	Sierrita
MW-2016-5B	919472	3529723	500444	2925.46	8/13/18		440.74	Static	2484.72	Sierrita
MW-2016-5B	919472	3529723	500444	2925.46	11/5/18		440.55	Static	2484.91	Sierrita
MW-2016-5B	919472	3529723	500444	2925.46	2/19/19		434.59	Static	2490.87	Sierrita
MW-2016-5B	919472	3529723	500444	2925.46	4/15/19		435.55	Static	2489.91	Sierrita
MW-2016-5B	919472	3529723	500444	2925.46	10/28/19		446.92	Static	2478.54	Sierrita
MW-2016-5B	919472	3529723	500444	2925.46	4/23/20		439.64	Static	2485.82	Sierrita
MW-2016-5B	919472	3529723	500444	2925.46	11/4/20		446.70	Static	2478.76	Sierrita
MW-2016-5B	919472	3529723	500444	2925.46	5/19/21		446.76	Static	2478.70	Sierrita
MW-2016-5B	919472	3529723	500444	2925.46	10/20/21		449.45	Static	2476.01	Sierrita
MW-2016-5B	919472	3529723	500444	2925.46	5/3/22		445.43	Static	2480.03	Sierrita
MW-2016-5B	919472	3529723	500444	2925.46	11/7/22		447.16	Static	2478.30	Sierrita
MW-2016-6	919676	3529884	500056	2969.20	8/16/16		471.29	Static	2497.91	Clear Creek
MW-2016-6	919676	3529884	500056	2969.20	10/6/16		471.48	Static	2497.72	Sierrita
MW-2016-6	919676	3529884	500056	2969.20	1/11/17		467.79	Static	2501.41	Sierrita
MW-2016-6	919676	3529884	500056	2969.20	5/9/17		471.79	Static	2497.41	Sierrita
MW-2016-6	919676	3529884	500056	2969.20	7/10/17		476.35	Static	2492.85	Sierrita
MW-2016-6	919676	3529884	500056	2969.20	10/3/17		479.70	Static	2489.50	Sierrita
MW-2016-6	919676	3529884	500056	2969.20	1/10/18		477.48	Static	2491.72	Sierrita
MW-2016-6	919676	3529884	500056	2969.20	5/10/18		480.55	Static	2488.65	Sierrita
MW-2016-6	919676	3529884	500056	2969.20	8/13/18		485.14	Static	2484.06	Sierrita
MW-2016-6	919676	3529884	500056	2969.20	11/5/18		485.70	Static	2483.50	Sierrita
MW-2016-6	919676	3529884	500056	2969.20	2/19/19		479.98	Static	2489.22	Sierrita
MW-2016-6	919676	3529884	500056	2969.20	4/15/19		480.58	Static	2488.62	Sierrita
MW-2016-6	919676	3529884	500056	2969.20	10/28/19		491.78	Static	2477.42	Sierrita
MW-2016-6	919676	3529884	500056	2969.20	4/23/20		484.81	Static	2484.39	Sierrita
MW-2016-6	919676	3529884	500056	2969.20	11/4/20		495.76	Static	2473.44	Sierrita
MW-2016-6	919676	3529884	500056	2969.20	5/19/21		491.57	Static	2477.63	Sierrita
MW-2016-6	919676	3529884	500056	2969.20	10/20/21		494.21	Static	2474.99	Sierrita
MW-2016-6	919676	3529884	500056	2969.20	5/3/22		490.31	Static	2478.89	Sierrita
MW-2016-6	919676	3529884	500056	2969.20	11/15/22		492.60	Static	2476.60	Sierrita
NP-2	605898	3528517	500582	2904.75	11/6/07		355.10		2549.65	Sierrita
NP-2	605898	3528517	500582	2904.75	1/11/08		353.67		2551.08	Sierrita
NP-2	605898	3528517	500582	2904.75	4/17/08		352.20		2552.55	Sierrita
NP-2	605898	3528517	500582	2904.75	7/11/08		355.10		2549.65	Sierrita
NP-2	605898	3528517	500582	2904.75	10/9/08		356.24		2548.51	Sierrita
NP-2	605898	3528517	500582	2904.75	2/9/09		355.00		2549.75	Sierrita
NP-2	605898	3528517	500582	2904.75	4/24/09		354.80		2549.95	Sierrita
NP-2	605898	3528517	500582	2904.75	9/22/09		358.90		2545.85	Sierrita
NP-2	605898	3528517	500582	2904.75	12/31/09		358.57		2546.18	Sierrita
NP-2	605898	3528517	500582	2904.75	2/17/10		357.20		2547.55	Sierrita
NP-2	605898	3528517	500582	2904.75	4/22/10		356.38		2548.37	Sierrita
NP-2	605898	3528517	500582	2904.75	8/5/10		357.93		2546.82	Sierrita
NP-2	605898	3528517	500582	2904.75	10/25/10		360.80		2543.95	Sierrita
NP-2	605898	3528517	500582	2904.75	1/19/11		358.68		2546.07	Sierrita
NP-2	605898	3528517	500582	2904.75	5/3/11		358.30		2546.45	Sierrita
NP-2	605898	3528517	500582	2904.75	7/18/11		359.72		2545.03	Sierrita
NP-2	605898	3528517	500582	2904.75	12/5/11		360.27		2544.48	Sierrita
NP-2	605898	3528517	500582	2904.75	3/21/12		358.10		2546.65	Sierrita

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Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
NP-2	605898	3528517	500582	2904.75	6/18/12		359.28		2545.47	Sierrita
NP-2	605898	3528517	500582	2904.75	8/15/12		360.45		2544.30	Sierrita
NP-2	605898	3528517	500582	2904.75	11/29/12		360.79		2543.96	Sierrita
NP-2	605898	3528517	500582	2904.75	2/20/13		356.92		2547.83	Sierrita
NP-2	605898	3528517	500582	2904.75	6/17/13		358.19		2546.56	Sierrita
NP-2	605898	3528517	500582	2904.75	8/27/13		360.56		2544.19	Sierrita
NP-2	605898	3528517	500582	2904.75	10/30/13		362.56		2542.19	Sierrita
NP-2	605898	3528517	500582	2904.75	1/7/14		361.24		2543.51	Sierrita
NP-2	605898	3528517	500582	2904.75	3/12/14		363.18		2541.57	Sierrita
NP-2	605898	3528517	500582	2904.75	4/23/14		364.29		2540.46	Sierrita
NP-2	605898	3528517	500582	2904.75	5/14/14		364.22		2540.53	Sierrita
NP-2	605898	3528517	500582	2904.75	6/23/14		364.24		2540.51	Sierrita
NP-2	605898	3528517	500582	2904.75	7/1/14		368.67		2536.08	Sierrita
NP-2	605898	3528517	500582	2904.75	8/8/14		370.36		2534.39	Sierrita
NP-2	605898	3528517	500582	2904.75	9/9/14		372.75	Static	2532.00	Sierrita
NP-2	605898	3528517	500582	2904.75	10/13/14		374.58		2530.17	Sierrita
NP-2	605898	3528517	500582	2904.75	11/26/14		375.76		2528.99	Sierrita
NP-2	605898	3528517	500582	2904.75	12/17/14		376.89	Static	2527.86	Sierrita
NP-2	605898	3528517	500582	2904.75	1/14/15		377.12	Static	2527.63	Sierrita
NP-2	605898	3528517	500582	2904.75	2/27/15		377.25	Static	2527.50	Sierrita
NP-2	605898	3528517	500582	2904.75	3/26/15		377.65	Static	2527.10	Sierrita
NP-2	605898	3528517	500582	2904.75	8/23/16		392.03	Static	2512.72	Sierrita
NP-2	605898	3528517	500582	2904.75	12/5/16		394.30	Static	2510.45	Sierrita
NP-2	605898	3528517	500582	2904.75	1/16/17		393.62	Static	2511.13	Sierrita
NP-2	605898	3528517	500582	2904.75	5/23/17		393.62	Static	2511.13	Sierrita
NP-2	605898	3528517	500582	2904.75	8/8/17		399.79	Static	2504.96	Sierrita
NP-2	605898	3528517	500582	2904.75	10/26/17		403.25	Static	2501.50	Sierrita
NP-2	605898	3528517	500582	2904.75	4/4/18		404.42	Static	2500.33	Sierrita
NP-2	605898	3528517	500582	2904.75	9/5/18		408.40	Static	2496.35	Sierrita
NP-2	605898	3528517	500582	2904.75	12/5/18		408.74	Static	2496.01	Sierrita
NP-2	605898	3528517	500582	2904.75	3/5/19		405.60	Static	2499.15	Sierrita
NP-2	605898	3528517	500582	2904.75	5/7/19		406.13	Static	2498.62	Sierrita
NP-2	605898	3528517	500582	2904.75	8/13/19		409.82	Static	2494.93	Sierrita
NP-2	605898	3528517	500582	2904.75	11/6/19		412.51	Static	2492.24	Sierrita
NP-2	605898	3528517	500582	2904.75	2/18/20		410.07	Static	2494.68	Sierrita
NP-2	605898	3528517	500582	2904.75	5/6/20		410.57	Static	2494.18	Sierrita
NP-2	605898	3528517	500582	2904.75	8/11/20		414.40	Static	2490.35	Sierrita
NP-2	605898	3528517	500582	2904.75	11/18/20		416.71	Static	2488.04	Sierrita
NP-2	605898	3528517	500582	2904.75	3/8/21		413.43	Static	2491.32	Sierrita
NP-2	605898	3528517	500582	2904.75	6/29/21		416.81	Static	2487.94	Sierrita
NP-2	605898	3528517	500582	2904.75	8/5/21		416.70	Static	2488.05	Sierrita
NP-2	605898	3528517	500582	2904.75	11/15/21		417.71	Static	2487.04	Sierrita
NP-2	605898	3528517	500582	2904.75	2/8/22		416.26	Static	2488.49	Sierrita
NP-2	605898	3528517	500582	2904.75	5/4/22		416.40	Static	2488.35	Sierrita
NP-2	605898	3528517	500582	2904.75	8/24/22		418.33	Static	2486.42	Sierrita
NP-2	605898	3528517	500582	2904.75	11/9/22		417.81	Static	2486.94	Sierrita
NP-2	605898	3528517	500582	2904.75	1/25/23		416.65	Static	2488.10	Sierrita
PS-1	220861	3529110	499164	3040.67	12/30/11	517.69		Dynamic		BW, 2015a
PS-1	220861	3529110	499164	3040.67	12/30/11	497.01		Static		BW, 2015a
PS-1	220861	3529110	499164	3040.67	5/8/14		516.79	Dynamic	2523.88	Sierrita
PS-1	220861	3529110	499164	3040.67	5/15/14	516.79		Dynamic		BW, 2015a
PS-1	220861	3529110	499164	3040.67	5/15/14		516.79	Dynamic	2523.88	Sierrita
PS-1	220861	3529110	499164	3040.67	5/22/14	525.44		Dynamic		BW, 2015a
PS-1	220861	3529110	499164	3040.67	5/22/14		525.44	Dynamic	2515.23	Sierrita
PS-1	220861	3529110	499164	3040.67	5/30/14	525.44		Dynamic		BW, 2015a
PS-1	220861	3529110	499164	3040.67	6/5/14		525.25	Dynamic	2515.42	Sierrita
PS-1	220861	3529110	499164	3040.67	6/5/14	525.25		Dynamic		BW, 2015a
PS-1	220861	3529110	499164	3040.67	7/6/14		527.00	Dynamic	2513.67	Sierrita
PS-1	220861	3529110	499164	3040.67	7/6/14	526.79		Dynamic		BW, 2015a
PS-1	220861	3529110	499164	3040.67	7/31/14		527.40	Dynamic	2513.27	Sierrita
PS-1	220861	3529110	499164	3040.67	7/31/14	527.40		Dynamic		BW, 2015a
PS-1	220861	3529110	499164	3040.67	8/27/14		527.40	Dynamic	2513.27	Sierrita
PS-1	220861	3529110	499164	3040.67	8/27/14	527.40		Dynamic		BW, 2015a
PS-1	220861	3529110	499164	3040.67	10/1/14		517.95	Static	2522.72	Sierrita
PS-1	220861	3529110	499164	3040.67	10/1/14	517.74		Static		BW, 2015a
PS-1	220861	3529110	499164	3040.67	11/4/14		531.19	Dynamic	2509.48	Sierrita
PS-1	220861	3529110	499164	3040.67	11/4/14	530.98		Dynamic		BW, 2015a
PS-1	220861	3529110	499164	3040.67	12/2/14		532.05	Dynamic	2508.62	Sierrita



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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	499164	3040.67	12/2/14	531.84		Dynamic		BW, 2015a
PS-1	220861	3529110	499164	3040.67	1/4/15		532.50	Dynamic	2508.17	Sierrita
PS-1	220861	3529110	499164	3040.67	2/4/15		533.20	Dynamic	2507.47	Sierrita
PS-1	220861	3529110	499164	3040.67	3/3/15		533.60	Dynamic	2507.07	Sierrita
PS-1	220861	3529110	499164	3040.67	4/9/15		534.15	Dynamic	2506.52	Sierrita
PS-1	220861	3529110	499164	3040.67	5/2/15		534.95	Dynamic	2505.72	Sierrita
PS-1	220861	3529110	499164	3040.67	6/9/15		536.00	Dynamic	2504.67	Sierrita
PS-1	220861	3529110	499164	3040.67	7/6/15		537.05	Dynamic	2503.62	Sierrita
PS-1	220861	3529110	499164	3040.67	8/18/15		538.65	Dynamic	2502.02	Sierrita
PS-1	220861	3529110	499164	3040.67	10/7/15		540.50	Dynamic	2500.17	Sierrita
PS-1	220861	3529110	499164	3040.67	11/4/15		540.98	Dynamic	2499.69	Sierrita
PS-1	220861	3529110	499164	3040.67	12/9/15		541.40	Dynamic	2499.27	Sierrita
PS-1	220861	3529110	499164	3040.67	2/11/16		541.90	Dynamic	2498.77	BW
PS-1	220861	3529110	499164	3040.67	3/4/16		542.22	Dynamic	2498.45	BW
PS-1	220861	3529110	499164	3040.67	4/8/16		542.50	Dynamic	2498.17	Sierrita
PS-1	220861	3529110	499164	3040.67	10/5/16		547.81	Dynamic	2492.86	BW
PS-1	220861	3529110	499164	3040.67	4/18/17		556.33	Dynamic	2484.34	Sierrita
PS-1	220861	3529110	499164	3040.67	7/20/17		561.70	Dynamic	2478.97	BW
PS-1	220861	3529110	499164	3040.67	10/25/17		565.04	Dynamic	2475.63	BW
PS-1	220861	3529110	499164	3040.67	5/22/18		569.72	Dynamic	2470.95	BW
PS-1	220861	3529110	499164	3040.67	9/25/18		574.12	Dynamic	2466.55	BW
PS-1	220861	3529110	499164	3040.67	11/26/18		573.70	Dynamic	2466.97	BW
PS-1	220861	3529110	499164	3040.67	5/7/19		571.05	Dynamic	2469.62	BW
PS-1	220861	3529110	499164	3040.67	10/8/19		577.50	Dynamic	2463.17	BW
PS-1	220861	3529110	499164	3040.67	6/5/20		575.80	Dynamic	2464.87	BW
PS-1	220861	3529110	499164	3040.67	10/30/20		592.30	Dynamic	2448.37	BW
PS-1	220861	3529110	499164	3040.67	5/22/21		592.10	Dynamic	2448.57	BW
PS-1	220861	3529110	499164	3040.67	11/20/21		579.75	Dynamic	2460.92	BW
PS-1	220861	3529110	499164	3040.67	4/23/22		596.35	Dynamic	2444.32	BW
PS-1	220861	3529110	499164	3040.67	12/20/22		600.80	Dynamic	2439.87	BW
PS-2	220862	3529357	499319	3027.36	6/5/12	509.07		Dynamic		BW, 2015a
PS-2	220862	3529357	499319	3027.36	6/5/12	486.97		Static		BW, 2015a
PS-2	220862	3529357	499319	3027.36	1/15/14		507.18	Dynamic	2520.18	Sierrita
PS-2	220862	3529357	499319	3027.36	1/15/14		507.18	Dynamic		BW, 2015a
PS-2	220862	3529357	499319	3027.36	1/22/14		494.54	Dynamic	2532.82	Sierrita
PS-2	220862	3529357	499319	3027.36	1/28/14	507.91		Dynamic		BW, 2015a
PS-2	220862	3529357	499319	3027.36	2/5/14	506.02		Dynamic		BW, 2015a
PS-2	220862	3529357	499319	3027.36	3/13/14		510.78	Dynamic	2516.58	Sierrita
PS-2	220862	3529357	499319	3027.36	5/8/14		514.76	Dynamic	2512.60	Sierrita
PS-2	220862	3529357	499319	3027.36	5/30/14	514.76		Dynamic		BW, 2015a
PS-2	220862	3529357	499319	3027.36	6/5/14		514.95	Dynamic	2512.41	Sierrita
PS-2	220862	3529357	499319	3027.36	6/5/14	514.95		Dynamic		BW, 2015a
PS-2	220862	3529357	499319	3027.36	7/6/14		516.80	Dynamic	2510.56	Sierrita
PS-2	220862	3529357	499319	3027.36	7/6/14	516.59		Dynamic		BW, 2015a
PS-2	220862	3529357	499319	3027.36	7/31/14		518.30	Dynamic	2509.06	Sierrita
PS-2	220862	3529357	499319	3027.36	7/31/14	518.30		Dynamic		BW, 2015a
PS-2	220862	3529357	499319	3027.36	8/27/14		519.40	Dynamic	2507.96	Sierrita
PS-2	220862	3529357	499319	3027.36	8/27/14	519.40		Dynamic		BW, 2015a
PS-2	220862	3529357	499319	3027.36	10/1/14		507.20	Static	2520.16	Sierrita
PS-2	220862	3529357	499319	3027.36	10/1/14	506.99		Static		BW, 2015a
PS-2	220862	3529357	499319	3027.36	11/4/14		523.35	Dynamic	2504.01	Sierrita
PS-2	220862	3529357	499319	3027.36	11/4/14	523.14		Dynamic		BW, 2015a
PS-2	220862	3529357	499319	3027.36	12/2/14		523.80	Dynamic	2503.56	Sierrita
PS-2	220862	3529357	499319	3027.36	12/2/14	523.59		Dynamic		BW, 2015a
PS-2	220862	3529357	499319	3027.36	1/4/15		524.60	Dynamic	2502.76	Sierrita
PS-2	220862	3529357	499319	3027.36	2/4/15		524.50	Dynamic	2502.86	Sierrita
PS-2	220862	3529357	499319	3027.36	3/3/15		524.70	Dynamic	2502.66	Sierrita
PS-2	220862	3529357	499319	3027.36	4/9/15		525.20	Dynamic	2502.16	Sierrita
PS-2	220862	3529357	499319	3027.36	5/2/15		526.10	Dynamic	2501.26	Sierrita
PS-2	220862	3529357	499319	3027.36	6/9/15		527.00	Dynamic	2500.36	Sierrita
PS-2	220862	3529357	499319	3027.36	7/6/15		528.20	Dynamic	2499.16	Sierrita
PS-2	220862	3529357	499319	3027.36	8/18/15		529.80	Dynamic	2497.56	Sierrita
PS-2	220862	3529357	499319	3027.36	10/7/15		531.75	Dynamic	2495.61	Sierrita
PS-2	220862	3529357	499319	3027.36	11/4/15		531.95	Dynamic	2495.41	Sierrita
PS-2	220862	3529357	499319	3027.36	12/9/15		532.15	Dynamic	2495.21	Sierrita
PS-2	220862	3529357	499319	3027.36	1/12/16		531.25	Dynamic	2496.11	Sierrita
PS-2	220862	3529357	499319	3027.36	2/11/16		532.30	Dynamic	2495.06	BW
PS-2	220862	3529357	499319	3027.36	3/4/16		532.50	Dynamic	2494.86	BW

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### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	499319	3027.36	4/8/16		532.70	Dynamic	2494.66	Sierrita
PS-2	220862	3529357	499319	3027.36	10/5/16		538.80	Dynamic	2488.56	BW
PS-2	220862	3529357	499319	3027.36	4/18/17		548.31	Dynamic	2479.05	Sierrita
PS-2	220862	3529357	499319	3027.36	7/20/17		553.30	Dynamic	2474.06	BW
PS-2	220862	3529357	499319	3027.36	10/25/17		556.60	Dynamic	2470.76	BW
PS-2	220862	3529357	499319	3027.36	5/22/18		555.10	Dynamic	2472.26	BW
PS-2	220862	3529357	499319	3027.36	9/25/18		558.45	Dynamic	2468.91	BW
PS-2	220862	3529357	499319	3027.36	11/26/18		544.60	Static	2482.76	BW
PS-2	220862	3529357	499319	3027.36	5/7/19		560.00	Dynamic	2467.36	BW
PS-2	220862	3529357	499319	3027.36	6/5/20		565.50	Dynamic	2461.86	BW
PS-2	220862	3529357	499319	3027.36	10/30/20		569.80	Dynamic	2457.56	BW
PS-2	220862	3529357	499319	3027.36	5/22/21		568.20	Dynamic	2459.16	BW
PS-2	220862	3529357	499319	3027.36	11/20/21		569.25	Dynamic	2458.11	BW
PS-2	220862	3529357	499319	3027.36	4/23/22		565.40	Dynamic	2461.96	BW
PS-2	220862	3529357	499319	3027.37	12/20/22		570.52	Dynamic	2456.84	BW
PS-3	220863	3529350	499571	3006.29	5/14/12	490.30		Dynamic		BW, 2015a
PS-3	220863	3529350	499571	3006.29	5/14/12	466.60		Static		BW, 2015a
PS-3	220863	3529350	499571	3006.29	1/15/14		488.84	Dynamic	2517.45	Sierrita
PS-3	220863	3529350	499571	3006.29	1/15/14	488.84		Dynamic		BW, 2015a
PS-3	220863	3529350	499571	3006.29	1/22/14		488.23	Dynamic	2518.06	Sierrita
PS-3	220863	3529350	499571	3006.29	1/22/14	488.23		Dynamic		BW, 2015a
PS-3	220863	3529350	499571	3006.29	1/28/14	487.89		Dynamic		BW, 2015a
PS-3	220863	3529350	499571	3006.29	2/5/14	490.26		Dynamic		BW, 2015a
PS-3	220863	3529350	499571	3006.29	3/13/14		491.86	Dynamic	2514.43	Sierrita
PS-3	220863	3529350	499571	3006.29	5/8/14		495.82	Dynamic	2510.47	Sierrita
PS-3	220863	3529350	499571	3006.29	5/30/14	495.82		Dynamic		BW, 2015a
PS-3	220863	3529350	499571	3006.29	6/5/14		495.90	Dynamic	2510.39	Sierrita
PS-3	220863	3529350	499571	3006.29	6/5/14	495.90		Dynamic		BW, 2015a
PS-3	220863	3529350	499571	3006.29	7/6/14		497.70	Dynamic	2508.59	Sierrita
PS-3	220863	3529350	499571	3006.29	7/6/14	497.47		Dynamic		BW, 2015a
PS-3	220863	3529350	499571	3006.29	7/31/14		498.90	Dynamic	2507.39	Sierrita
PS-3	220863	3529350	499571	3006.29	7/31/14	498.90		Dynamic		BW, 2015a
PS-3	220863	3529350	499571	3006.29	8/27/14		500.25	Dynamic	2506.04	Sierrita
PS-3	220863	3529350	499571	3006.29	8/27/14	500.25		Dynamic		BW, 2015a
PS-3	220863	3529350	499571	3006.29	10/1/14		486.45	Static	2519.84	Sierrita
PS-3	220863	3529350	499571	3006.29	10/1/14	486.22		Static		BW, 2015a
PS-3	220863	3529350	499571	3006.29	11/4/14		503.75	Dynamic	2502.54	Sierrita
PS-3	220863	3529350	499571	3006.29	11/4/14	503.52		Dynamic		BW, 2015a
PS-3	220863	3529350	499571	3006.29	12/2/14		504.20	Dynamic	2502.09	Sierrita
PS-3	220863	3529350	499571	3006.29	12/2/14	503.97		Dynamic		BW, 2015a
PS-3	220863	3529350	499571	3006.29	1/4/15		504.55	Dynamic	2501.74	Sierrita
PS-3	220863	3529350	499571	3006.29	2/4/15		504.45	Dynamic	2501.84	Sierrita
PS-3	220863	3529350	499571	3006.29	3/3/15		504.75	Dynamic	2501.54	Sierrita
PS-3	220863	3529350	499571	3006.29	4/9/15		505.50	Dynamic	2500.79	Sierrita
PS-3	220863	3529350	499571	3006.29	5/2/15		506.35	Dynamic	2499.94	Sierrita
PS-3	220863	3529350	499571	3006.29	6/9/15		507.50	Dynamic	2498.79	Sierrita
PS-3	220863	3529350	499571	3006.29	7/6/15		508.92	Dynamic	2497.37	Sierrita
PS-3	220863	3529350	499571	3006.29	8/18/15		510.50	Dynamic	2495.79	Sierrita
PS-3	220863	3529350	499571	3006.29	10/7/15		512.40	Dynamic	2493.89	Sierrita
PS-3	220863	3529350	499571	3006.29	11/4/15		512.55	Dynamic	2493.74	Sierrita
PS-3	220863	3529350	499571	3006.29	12/9/15		512.75	Dynamic	2493.54	Sierrita
PS-3	220863	3529350	499571	3006.29	1/12/16		511.65	Dynamic	2494.64	Sierrita
PS-3	220863	3529350	499571	3006.29	2/11/16		512.55	Dynamic	2493.74	BW
PS-3	220863	3529350	499571	3006.29	3/4/16		512.97	Dynamic	2493.32	BW
PS-3	220863	3529350	499571	3006.29	4/8/16		515.20	Dynamic	2491.09	Sierrita
PS-3	220863	3529350	499571	3006.29	10/5/16		519.45	Dynamic	2486.84	BW
PS-3	220863	3529350	499571	3006.29	4/18/17		533.49	Dynamic	2472.80	Sierrita
PS-3	220863	3529350	499571	3006.29	7/20/17		538.05	Dynamic	2468.24	BW
PS-3	220863	3529350	499571	3006.29	10/25/17		541.40	Dynamic	2464.89	BW
PS-3	220863	3529350	499571	3006.29	5/22/18		516.82	Static	2489.47	BW
PS-3	220863	3529350	499571	3006.29	9/25/18		546.05	Dynamic	2460.24	BW
PS-3	220863	3529350	499571	3006.29	11/26/18		544.30	Dynamic	2461.99	BW
PS-3	220863	3529350	499571	3006.29	5/7/19		543.10	Dynamic	2463.19	BW
PS-3	220863	3529350	499571	3006.29	10/8/19		547.80	Dynamic	2458.49	BW
PS-3	220863	3529350	499571	3006.29	6/5/20		555.55	Dynamic	2450.74	BW
PS-3	220863	3529350	499571	3006.29	10/30/20		561.62	Dynamic	2444.67	BW
PS-3	220863	3529350	499571	3006.29	5/22/21		555.05	Dynamic	2451.24	BW
PS-3	220863	3529350	499571	3006.29	11/20/21		559.15	Dynamic	2447.14	BW

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Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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	499571	3006.29	4/23/22		558.82	Dynamic	2447.47	BW
PS-3	220863	3529350	499571	3006.29	12/20/22		561.25	Dynamic	2445.04	BW
PS-4	220864	3528838	499153	3045.74	7/6/12	497.85		Static		BW, 2015a
PS-4	220864	3528838	499153	3045.74	7/6/12	508.95		Dynamic		BW, 2015a
PS-4	220864	3528838	499153	3045.74	1/15/14		513.92	Dynamic	2531.82	Sierrita
PS-4	220864	3528838	499153	3045.74	1/15/14		513.92	Dynamic		BW, 2015a
PS-4	220864	3528838	499153	3045.74	1/22/14		514.38	Dynamic	2531.36	Sierrita
PS-4	220864	3528838	499153	3045.74	1/22/14		514.38	Dynamic		BW, 2015a
PS-4	220864	3528838	499153	3045.74	1/28/14		514.64	Dynamic		BW, 2015a
PS-4	220864	3528838	499153	3045.74	2/5/14		515.45	Dynamic		BW, 2015a
PS-4	220864	3528838	499153	3045.74	3/13/14		508.14	Dynamic	2537.60	Sierrita
PS-4	220864	3528838	499153	3045.74	5/8/14		522.58	Dynamic	2523.16	Sierrita
PS-4	220864	3528838	499153	3045.74	5/30/14	522.58		Dynamic		BW, 2015a
PS-4	220864	3528838	499153	3045.74	6/5/14		523.05	Dynamic	2522.69	Sierrita
PS-4	220864	3528838	499153	3045.74	6/5/14	523.05		Dynamic		BW, 2015a
PS-4	220864	3528838	499153	3045.74	7/6/14		525.25	Dynamic	2520.49	Sierrita
PS-4	220864	3528838	499153	3045.74	7/6/14	525.02		Dynamic		BW, 2015a
PS-4	220864	3528838	499153	3045.74	7/31/14		526.30	Dynamic	2519.44	Sierrita
PS-4	220864	3528838	499153	3045.74	7/31/14	526.30		Dynamic		BW, 2015a
PS-4	220864	3528838	499153	3045.74	8/27/14		527.50	Dynamic	2518.24	Sierrita
PS-4	220864	3528838	499153	3045.74	8/27/14	527.50		Dynamic		BW, 2015a
PS-4	220864	3528838	499153	3045.74	10/1/14		520.05	Static	2525.69	Sierrita
PS-4	220864	3528838	499153	3045.74	10/1/14	519.82		Static		BW, 2015a
PS-4	220864	3528838	499153	3045.74	11/4/14		531.80	Dynamic	2513.94	Sierrita
PS-4	220864	3528838	499153	3045.74	11/4/14	531.57		Dynamic		BW, 2015a
PS-4	220864	3528838	499153	3045.74	12/2/14		532.60	Dynamic	2513.14	Sierrita
PS-4	220864	3528838	499153	3045.74	12/2/14	532.37		Dynamic		BW, 2015a
PS-4	220864	3528838	499153	3045.74	1/4/15		524.20	Dynamic	2521.54	Sierrita
PS-4	220864	3528838	499153	3045.74	2/4/15		534.50	Dynamic	2511.24	Sierrita
PS-4	220864	3528838	499153	3045.74	3/3/15		535.05	Dynamic	2510.69	Sierrita
PS-4	220864	3528838	499153	3045.74	4/9/15		535.65	Dynamic	2510.09	Sierrita
PS-4	220864	3528838	499153	3045.74	5/2/15		536.45	Dynamic	2509.29	Sierrita
PS-4	220864	3528838	499153	3045.74	6/9/15		537.60	Dynamic	2508.14	Sierrita
PS-4	220864	3528838	499153	3045.74	7/6/15		538.95	Dynamic	2506.79	Sierrita
PS-4	220864	3528838	499153	3045.74	8/18/15		540.10	Dynamic	2505.64	Sierrita
PS-4	220864	3528838	499153	3045.74	10/7/15		541.95	Dynamic	2503.79	Sierrita
PS-4	220864	3528838	499153	3045.74	11/4/15		542.75	Dynamic	2502.99	Sierrita
PS-4	220864	3528838	499153	3045.74	12/9/15		543.10	Dynamic	2502.64	Sierrita
PS-4	220864	3528838	499153	3045.74	2/11/16		543.90	Dynamic	2501.84	BW
PS-4	220864	3528838	499153	3045.74	3/4/16		544.50	Dynamic	2501.24	BW
PS-4	220864	3528838	499153	3045.74	4/8/16		544.90	Dynamic	2500.84	Sierrita
PS-4	220864	3528838	499153	3045.74	10/5/16		551.08	Dynamic	2494.66	BW
PS-4	220864	3528838	499153	3045.74	4/18/17		543.05	Static	2502.69	Sierrita
PS-4	220864	3528838	499153	3045.74	7/20/17		561.00	Dynamic	2484.74	BW
PS-4	220864	3528838	499153	3045.74	10/25/17		563.80	Dynamic	2481.94	BW
PS-4	220864	3528838	499153	3045.74	5/22/18		552.30	Static	2493.44	BW
PS-4	220864	3528838	499153	3045.74	9/25/18		568.70	Dynamic	2477.04	BW
PS-4	220864	3528838	499153	3045.74	11/26/18		568.80	Dynamic	2476.94	BW
PS-4	220864	3528838	499153	3045.74	5/7/19		566.20	Dynamic	2479.54	BW
PS-4	220864	3528838	499153	3045.74	10/8/19		571.60	Dynamic	2474.14	BW
PS-4	220864	3528838	499153	3045.74	6/5/20		571.90	Dynamic	2473.84	BW
PS-4	220864	3528838	499153	3045.74	10/30/20		575.05	Dynamic	2470.69	BW
PS-4	220864	3528838	499153	3045.74	5/22/21		576.00	Dynamic	2469.74	BW
PS-4	220864	3528838	499153	3045.74	11/20/21		577.90	Dynamic	2467.84	BW
PS-4	220864	3528838	499153	3045.74	4/23/22		629.65	Dynamic	2416.09	BW
PS-4	220864	3528838	499153	3045.74	12/20/22		628.10	Dynamic	2417.64	BW
PZ-7	561870	3526357	492533	3549.17	11/16/06		139.55		3409.62	Sierrita
PZ-7	561870	3526357	492533	3549.17	1/12/07		139.50		3409.67	Sierrita
PZ-7	561870	3526357	492533	3549.17	4/9/07		139.65		3409.52	Sierrita
PZ-7	561870	3526357	492533	3549.17	7/24/07		139.76		3409.41	Sierrita
PZ-7	561870	3526357	492533	3549.17	10/16/07		139.49		3409.68	Sierrita
PZ-7	561870	3526357	492533	3549.17	1/7/08		139.25		3409.92	Sierrita
PZ-7	561870	3526357	492533	3549.17	4/28/08		139.59		3409.58	Sierrita
PZ-7	561870	3526357	492533	3549.17	7/11/08		139.71		3409.46	Sierrita
PZ-7	561870	3526357	492533	3549.17	10/14/08		139.73		3409.44	Sierrita
PZ-7	561870	3526357	492533	3549.17	2/9/09		139.79		3409.38	Sierrita
PZ-7	561870	3526357	492533	3549.17	4/6/09		139.80		3409.37	Sierrita
PZ-7	561870	3526357	492533	3549.17	4/23/10		140.22		3408.95	Sierrita

## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	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-7	561870	3526357	492533	3549.17	5/18/11		140.62		3408.55	Sierrita
PZ-7	561870	3526357	492533	3549.17	6/6/12		136.67		3412.50	Sierrita
PZ-7	561870	3526357	492533	3549.17	6/10/13		136.91		3412.26	Sierrita
PZ-7	561870	3526357	492533	3549.17	4/8/14		135.75		3413.42	Sierrita
PZ-7	561870	3526357	492533	3549.17	4/21/15		136.49	Static	3412.68	Sierrita
PZ-7	561870	3526357	492533	3549.17	11/18/15		138.20	Static	3410.97	Sierrita
PZ-7	561870	3526357	492533	3549.17	4/26/16		138.28	Static	3410.89	Sierrita
PZ-7	561870	3526357	492533	3549.17	12/9/16		138.70	Static	3410.47	Sierrita
PZ-7	561870	3526357	492533	3549.17	5/9/17		138.81	Static	3410.36	Sierrita
PZ-7	561870	3526357	492533	3549.17	11/13/17		139.55	Static	3409.62	Sierrita
PZ-7	561870	3526357	492533	3549.17	5/2/18		139.86	Static	3409.31	Sierrita
PZ-7	561870	3526357	492533	3549.17	11/14/18		140.33	Static	3408.84	Sierrita
PZ-7	561870	3526357	492533	3549.17	4/16/19		140.29	Static	3408.88	Sierrita
PZ-7	561870	3526357	492533	3549.17	12/17/19		140.66	Static	3408.51	Sierrita
PZ-7	561870	3526357	492533	3549.17	4/15/20		140.75	Static	3408.42	Sierrita
PZ-7	561870	3526357	492533	3549.17	12/1/20		140.66	Static	3408.51	Sierrita
PZ-7	561870	3526357	492533	3549.17	4/8/21		141.00	Static	3408.17	Sierrita
PZ-7	561870	3526357	492533	3549.17	11/3/21		141.30	Static	3407.87	Sierrita
PZ-7	561870	3526357	492533	3549.17	4/26/22		141.35	Static	3407.82	Sierrita
PZ-8	561866	3524196	492973	3480.36	11/14/06		206.30		3274.06	Sierrita
PZ-8	561866	3524196	492973	3480.36	1/10/07		207.42		3272.94	Sierrita
PZ-8	561866	3524196	492973	3480.36	4/17/07		198.52		3281.84	Sierrita
PZ-8	561866	3524196	492973	3480.36	7/12/07		209.46		3270.90	Sierrita
PZ-8	561866	3524196	492973	3480.36	10/5/07		205.30		3275.06	Sierrita
PZ-8	561866	3524196	492973	3480.36	1/3/08		212.94		3267.42	Sierrita
PZ-8	561866	3524196	492973	3480.36	4/8/08		217.43		3262.93	Sierrita
PZ-8	561866	3524196	492973	3480.36	7/1/08		221.70		3258.66	Sierrita
PZ-8	561866	3524196	492973	3480.36	10/8/08		222.49		3257.87	Sierrita
PZ-8	561866	3524196	492973	3480.36	1/8/09		223.63		3256.73	Sierrita
PZ-8	561866	3524196	492973	3480.36	4/8/09		224.72		3255.64	Sierrita
PZ-8	561866	3524196	492973	3480.36	4/20/10		227.87		3252.49	Sierrita
PZ-8	561866	3524196	492973	3480.36	4/19/11		228.73		3251.63	Sierrita
PZ-8	561866	3524196	492973	3480.36	4/25/12		229.66		3250.70	Sierrita
PZ-8	561866	3524196	492973	3480.36	6/10/13		230.86		3249.50	Sierrita
PZ-8	561866	3524196	492973	3480.36	4/23/14		232.32		3248.04	Sierrita
PZ-8	561866	3524196	492973	3480.36	4/24/14		232.59		3247.77	Sierrita
PZ-8	561866	3524196	492973	3480.36	4/14/15		234.11	Static	3246.25	Sierrita
PZ-8	561866	3524196	492973	3480.36	11/18/15		235.22	Static	3245.14	Sierrita
PZ-8	561866	3524196	492973	3480.36	4/26/16		233.24	Static	3247.12	Sierrita
PZ-8	561866	3524196	492973	3480.36	12/9/16		234.38	Static	3245.98	Sierrita
PZ-8	561866	3524196	492973	3480.36	5/9/17		232.76	Static	3247.60	Sierrita
PZ-8	561866	3524196	492973	3480.36	11/14/17		233.42	Static	3246.94	Sierrita
PZ-8	561866	3524196	492973	3480.36	5/2/18		233.68	Static	3246.68	Sierrita
PZ-8	561866	3524196	492973	3480.36	5/3/18		233.75	Static	3246.61	Sierrita
PZ-8	561866	3524196	492973	3480.36	11/15/18		231.92	Static	3248.44	Sierrita
PZ-8	561866	3524196	492973	3480.36	4/17/19		229.59	Static	3250.77	Sierrita
PZ-8	561866	3524196	492973	3480.36	12/17/19		228.66	Static	3251.70	Sierrita
PZ-8	561866	3524196	492973	3480.36	4/14/20		229.11	Static	3251.25	Sierrita
PZ-8	561866	3524196	492973	3480.36	12/2/20		230.07	Static	3250.29	Sierrita
PZ-8	561866	3524196	492973	3480.36	4/8/21		230.75	Static	3249.61	Sierrita
PZ-8	561866	3524196	492973	3480.36	11/16/21		228.24	Static	3252.12	Sierrita
PZ-8	561866	3524196	492973	3480.36	5/16/22		226.77	Static	3253.59	Sierrita
S-1	623111	3519085	499737	2920	6/19/15		167.21	Static	2752.79	Sierrita
S-1	623111	3519085	499737	2920	11/18/15		169.40	Static	2750.60	Sierrita
S-1	623111	3519085	499737	2920	6/15/16		161.51	Static	2758.49	Sierrita
S-1	623111	3519085	499737	2920	12/2/16		172.66	Static	2747.34	Sierrita
S-1	623111	3519085	499737	2920	6/8/17		163.70	Static	2756.30	Sierrita
S-1	623111	3519085	499737	2920	11/16/17		157.50	Static	2762.50	Sierrita
S-1	623111	3519085	499737	2920	12/11/18		222.90	Dynamic	2697.10	Sierrita
S-1	623111	3519085	499737	2920	5/8/19		156.55	Static	2763.45	Sierrita
S-1	623111	3519085	499737	2920	12/17/19		152.40	Static	2767.60	Sierrita
S-1	623111	3519085	499737	2920	12/4/20		160.89	Static	2759.11	Sierrita
S-1	623111	3519085	499737	2920	6/2/21		167.69	Dynamic	2752.31	Sierrita
S-1	623111	3519085	499737	2920	12/8/21		173.36	Static	2746.64	Sierrita
S-1	623111	3519085	499737	2920	6/8/22		167.87	Static	2752.13	Sierrita
S-1	623111	3519085	499737	2920	11/30/22		199.20	Dynamic	2720.80	Sierrita
ST-6 (POE-006)	608530	3531353	501248	2855.88	6/18/15		356.25	Static	2499.63	Sierrita
ST-6 (POE-006)	608530	3531353	501248	2855.88	11/25/15		353.30	Static	2502.58	Sierrita



## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bis)	Depth to Water (ft bmp)	Static/ Dynamic	Groundwater Elevation (ft amsl)	Data Source
ST-6 (POE-006)	608530	3531353	501248	2855.88	6/15/16		359.59	Static	2496.29	Sierrita
ST-6 (POE-006)	608530	3531353	501248	2855.88	12/21/16		355.76	Static	2500.12	Sierrita
ST-6 (POE-006)	608530	3531353	501248	2855.88	6/8/17		366.60	Static	2489.28	Sierrita
ST-6 (POE-006)	608530	3531353	501248	2855.88	11/16/17		367.00	Static	2488.88	Sierrita
ST-6 (POE-006)	608530	3531353	501248	2855.88	6/11/18		374.22	Static	2481.66	Sierrita

## APPENDIX A

### Compilation of Historical Groundwater Elevation Data

Well Name	ADWR 55 Registry Number	Universal Transverse Mercator, Northing (m) <sup>1</sup>	Universal Transverse Mercator, Easting (m) <sup>1</sup>	Measuring Point Elevation (ft amsl)	Date	Depth to Water (ft bls)	Depth to Water (ft bmp)	Static/Dynamic	Groundwater Elevation (ft amsl)	Data Source
ST-6 (POE-006)	608530	3531353	501248	2855.88	12/11/18		372.00	Static	2483.88	Sierrita
ST-6 (POE-006)	608530	3531353	501248	2855.88	5/8/19		371.72	Static	2484.16	Sierrita
ST-6 (POE-006)	608530	3531353	501248	2855.88	12/17/19		373.90	Static	2481.98	Sierrita

**Notes:**

BasinWells Associates. 2015a. Email Correspondence from Buck Schmidt, BasinWells Associates, to James Norris, Clear Creek Associates, Re: BasinWells Associates PLLC/FMI Sierrita Groundwater Sulfate Mitigation Action Well Field Measurements – October 2014. January 22, 2015.  
 BasinWells Associates. 2015b. Email Correspondence from Buck Schmidt, BasinWells Associates, to James Norris, Clear Creek Associates, Re: BasinWells Associates PLLC/FMI Sierrita Groundwater Sulfate Mitigation Action Well Field Measurements – October 2014. February 10, 2015.

<sup>1</sup> Universal Transverse Mercator, Zone 12 North American Datum 1983 (NAD83)

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

NA = Not applicable

ND = No elevation data

NR = No record

Sierrita = Freeport-McMoRan Sierrita, Inc.

## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	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
CC OF GV	501760	4/16/07		7.44	22.6	767	133
CC OF GV	501760	7/9/07		7.58	24.5	658	104
CC OF GV	501760	1/10/08		7.27	22.5	689	143
CC OF GV	501760	4/16/08		7.37	25.2	426	69.4
CC OF GV	501760	7/7/08		6.97	23.7	736	119
CC OF GV	501760	10/9/08		7.26	24.8	476	72.4
CC OF GV	501760	2/4/09		8.08	13.8	399	107
CC OF GV	501760	4/21/09		6.92	19.8	526	90.1
CC OF GV	501760	4/22/10		6.99	21.26	929	95
CC OF GV	501760	4/21/11		6.95	17.6	494	82
CC OF GV	501760	6/26/12		7.13	27.7	565	88.69
CC OF GV	501760	5/14/13		7.46	23.3	706	147.80
CC OF GV	501760	4/23/14		6.94	22.3	744	156.00
CC OF GV	501760	5/13/15		6.97	23.2	547	102.00
CC OF GV	501760	5/11/17		7.88	24.0	597	95.7
CC OF GV	501760	5/14/18		7.79	26.2	497	89.7
CC OF GV	501760	5/7/19		8.19	29.0	291	97.1
CC OF GV	501760	5/12/20		8.38	24.7	603	107
CC OF GV	501760	5/20/21		8.28	24.4	593	104
CC OF GV	501760	5/16/22		8.47	24.7	554	99.3
COTONIA	230945	11/11/20		8.59	24.2	400	31.7
COTONIA	230945	2/25/21		8.18	25.6	409	25.7
COTONIA	230945	4/8/21		8.22	26.1	406	25.3
COTONIA	230945	8/19/21		8.46	28.3	414	32.4
COTONIA	230945	11/5/21		8.28	24.5	420	23.0
COTONIA	230945	2/17/22		8.31	25.5	363	23.4
COTONIA	230945	5/17/22		8.41	26.9	360	24.9
COTONIA	230945	9/15/22		8.23	26.4	361	25.7
COTONIA	230945	11/17/22		8.33	24.6	416	25.0
COTONIA	230945	1/30/23		8.42	25.4	357	32.3
COTONIA	230945	1/30/23	DUP	8.42	25.4	357	31.7
CW-3	627483	6/6/07		7.74	25.3	449	57.9
CW-3	627483	8/10/07		7.40	25.9	444	59.5
CW-3	627483	1/11/08		7.55	25.1	432	55.7
CW-3	627483	4/17/08		7.32	25.6	398	54.1
CW-3	627483	7/11/08		7.53	25.7	484	56.7
CW-3	627483	10/6/08		7.50	25.3	430	56.2
CW-3	627483	2/9/09		7.68	24.3	347	54.3
CW-3	627483	4/24/09		6.75	25.4	520	56.2
CW-3	627483	12/31/09		7.57	23.8	419	56.2
CW-3	627483	4/22/10		7.32	23.03	475	57.7
CW-3	627483	10/25/10		7.60	25.5	460	57.6
CW-3	627483	5/2/11		7.55	26.4	390	56.8
CW-3	627483	12/5/11		7.79	22.7	437	55.18
CW-3	627483	6/18/12		7.57	28.4	517	61.70
CW-3	627483	12/13/12		7.64	24.1	473	63.84
CW-3	627483	12/13/12	DUP	7.64	24.1	473	64.04
CW-3	627483	6/13/13		7.63	24.4	444	70.8
CW-3	627483	11/12/13		7.24	23.8	417	67.2
CW-3	627483	11/12/13	DUP	7.24	23.8	417	67.2
CW-3	627483	5/6/14		7.81	24.3	393	70.7
CW-3	627483	5/6/14	DUP	7.81	24.3	393	70.6
CW-3	627483	10/15/14		7.78	24.8	424	67.5
CW-3	627483	5/11/15		7.63	25.2	364	71.4
CW-3	627483	5/11/15	DUP	7.63	25.2	364	70.0
CW-3	627483	10/28/15		7.51	24.9	558	67.1
CW-3	627483	6/9/16		7.63	24.9	367	81.1
CW-3	627483	12/6/16		7.82	24.8	498	75.2
CW-3	627483	5/23/17		8.08	24.7	542	66.3
CW-3	627483	11/30/17		7.92	24.7	522	23.6
CW-3	627483	6/26/18		7.95	26.1	488	69.8
CW-3	627483	6/26/18	DUP	7.95	26.1	488	69.7
CW-3	627483	12/5/18		7.98	24.8	340	69.0
CW-3	627483	5/7/19		8.27	24.7	416	76.4
CW-3	627483	11/6/19		7.79	24.5	503	44.0
CW-3	627483	5/6/20		8.07	26.5	507	69.2
CW-3	627483	11/18/20		8.26	23.0	493	63.9
CW-3	627483	6/29/21		8.29	25.8	506	65.6
CW-3	627483	6/29/21	DUP	8.29	25.8	506	72.2

## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
CW-3	627483	11/4/21		8.08	24.8	502	66.3
CW-3	627483	5/4/22		8.49	24.0	456	59.7
CW-3	627483	11/9/22		8.10	24.7	502	66.0
CW-6	627485	12/4/06		NM	NM	NM	46.2
CW-6	627485	1/3/07		7.73	26.8	418	49.2
CW-6	627485	1/3/07		7.73	26.8	418	49.5
CW-6	627485	5/14/07		7.58	26.1	507	68.7
CW-6	627485	7/10/07		7.60	26.9	475	58
CW-6	627485	7/10/07		7.60	26.9	475	57.6
CW-6	627485	1/8/08		7.64	27.1	368	48.9
CW-6	627485	4/15/08		7.25	26.9	382	51.2
CW-6	627485	7/8/08		7.43	27.2	416	47.9
CW-6	627485	10/7/08		7.52	26.6	431	51.5
CW-6	627485	10/7/08	DUP	7.52	26.6	431	51.5
CW-6	627485	2/6/09		7.87	26.6	317	48.2
CW-6	627485	4/22/09		7.62	25.3	377	47.9
CW-6	627485	4/22/09	DUP	7.62	25.3	377	47.3
CW-6	627485	9/17/09		7.18	24.8	478	70
CW-6	627485	11/5/09		7.52	25.1	434	59.7
CW-6	627485	2/10/10		7.68	24.4	369	46.6
CW-6	627485	5/14/10		7.70	26.50	380	52.1
CW-6	627485	7/27/10		7.50	27.5	444	55.2
CW-6	627485	10/14/10		7.67	26.2	429	52.5
CW-6	627485	2/24/11		7.57	23.4	455	70.3
CW-6	627485	4/28/11		7.66	25.2	453	58.1
CW-6	627485	7/20/11		7.52	25.5	417	81
CW-6	627485	12/14/11		7.76	23.7	429	54.42
CW-6	627485	12/14/11	DUP	7.76	23.7	429	54.42
CW-6	627485	1/24/12		7.49	25.2	303	60.17
CW-6	627485	5/9/12		7.70	26.5	489	80.99
CW-6	627485	8/29/12		7.44	25.2	537	82.24
CW-6	627485	12/12/12		7.47	23.6	541	82.98
CW-6	627485	2/6/13		7.32	24.0	457	76.54
CW-6	627485	5/15/13		7.63	24.7	513	91.94
CW-6	627485	7/17/13		7.47	25.3	500	91.60
CW-6	627485	10/23/13		7.50	25.1	365	85.1
CW-6	627485	1/14/14		7.49	22.4	395	87.2
CW-6	627485	4/16/14		7.65	24.4	434	85.6
CW-6	627485	7/22/14		7.21	25.5	614	78.0
CW-6	627485	10/13/14		7.71	23.9	464	79.5
CW-6	627485	1/13/15		7.82	23.6	433	80.5
CW-6	627485	4/14/15		7.31	24.4	430	91.1
CW-6	627485	7/27/15		7.76	25.9	572	94.8
CW-6	627485	7/27/15	DUP	7.76	25.9	572	94.3
CW-6	627485	10/20/15		7.65	24.6	563	85.9
CW-6	627485	1/20/16		8.06	22.8	499	69.3
CW-6	627485	4/19/16		8.03	26.8	409	92.6
CW-6	627485	8/22/16		7.71	25.8	601	91.7
CW-6	627485	10/31/16		8.06	24.4	606	85.6
CW-6	627485	1/17/17		7.72	22.4	551	75.2
CW-6	627485	5/16/17		7.66	24.5	582	85.7
CW-6	627485	7/20/17		7.96	24.8	496	78.9
CW-6	627485	10/24/17		7.91	24.1	602	79.1
CW-6	627485	2/12/18		7.94	23.2	478	71.0
CW-6	627485	5/15/18		7.90	24.2	439	77.5
CW-6	627485	8/7/18		7.87	25.1	450	77.3
CW-6	627485	11/28/18		8.00	24.3	353	65.3
CW-6	627485	11/7/19		7.87	22.9	544	68.2
CW-6	627485	1/14/20		8.10	24.6	481	68.1
CW-6	627485	5/5/20		8.19	25.1	506	66.0
CW-6	627485	8/12/20		8.12	27.1	477	59.9
CW-6	627485	11/10/20		8.38	23.5	466	56.4
CW-6	627485	2/24/21		8.17	24.4	470	58.5
CW-6	627485	5/20/21		8.33	25.8	469	62.8
CW-6	627485	8/18/21		8.21	26.4	474	58.8
CW-6	627485	5/18/22		8.33	26.1	440	64.5
CW-6	627485	9/12/22		8.27	26.1	452	60.2
CW-6	627485	11/16/22		8.35	25.0	459	56.4
CW-6	627485	1/30/23		8.16	24.5	464	65.4
CW-7	502546	1/3/07		7.38	27.4	1799	807



## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
CW-7	502546	5/14/07		7.40	27.4	1860	874
CW-7	502546	7/10/07		7.32	27.4	1945	860
CW-7	502546	1/8/08		7.26	27.3	1860	1080
CW-7	502546	4/15/08		7.31	27.6	1758	900
CW-7	502546	7/8/08		7.11	27.9	2037	890
CW-7	502546	7/8/08	DUP	7.11	27.9	2037	910
CW-7 (600 ft)	502546	4/8/20		8.67	25.6	396	36.7
CW-7 (600 ft)	502546	10/23/20		8.72	24.9	340	80.8
CW-7 (600 ft)	502546	3/11/21		8.71	24.6	526	147
CW-7 (600 ft)	502546	3/31/21		8.72	25.9	1502	608
CW-7 (600 ft)	502546	6/3/21		9.04	29.4	635	65.0
CW-7 (600 ft)	502546	8/18/21		8.60	27.2	369	71.4
CW-7 (600 ft)	502546	11/17/21		8.48	24.7	577	200
CW-7 (600 ft)	502546	2/9/22		8.50	24.6	458	133
CW-7 (600 ft)	502546	5/18/22		8.67	27.1	368	86.5
CW-7 (600 ft)	502546	9/12/22		8.53	28.0	289	45.1
CW-7 (600 ft)	502546	11/16/22		8.45	24.6	586	32.2
CW-7 (600 ft)	502546	1/25/23		8.53	24.4	469	561
CW-7 (700 ft)	502546	4/8/20		8.52	25.8	385	42.5
CW-7 (700 ft)	502546	10/23/20		8.62	25.1	362	90.0
CW-7 (700 ft)	502546	3/11/21		8.60	23.8	1177	636
CW-7 (700 ft)	502546	3/31/21		8.67	26.1	1358	544
CW-7 (700 ft)	502546	6/3/21		8.86	27.6	395	72.2
CW-7 (700 ft)	502546	8/18/21		8.43	26.5	762	287
CW-7 (700 ft)	502546	11/17/21		8.56	25.1	626	218
CW-7 (700 ft)	502546	2/9/22		8.48	24.8	569	450
CW-7 (700 ft)	502546	5/18/22		8.64	26.9	457	135
CW-7 (700 ft)	502546	9/12/22		8.40	26.7	790	46.6
CW-7 (700 ft)	502546	11/16/22		8.53	25.0	640	83.5
CW-7 (700 ft)	502546	1/25/23		8.50	24.6	581	560
CW-7 (800 ft)	502546	4/8/20		8.42	26.0	547	69.6
CW-7 (800 ft)	502546	10/23/20		8.40	24.6	763	556
CW-7 (800 ft)	502546	3/11/21		8.86	24.3	1596	647
CW-7 (800 ft)	502546	3/31/21		8.72	26.6	1533	636
CW-7 (800 ft)	502546	6/3/21		8.68	27.2	1197	438
CW-7 (800 ft)	502546	8/18/21		8.34	27.2	775	305
CW-7 (800 ft)	502546	11/17/21		8.52	25.2	676	226
CW-7 (800 ft)	502546	2/9/22		8.54	24.9	442	96.3
CW-7 (800 ft)	502546	5/18/22		8.64	26.4	462	123
CW-7 (800 ft)	502546	9/12/22		8.35	26.7	437	222
CW-7 (800 ft)	502546	11/16/22		8.55	25.4	689	90.3
CW-7 (800 ft)	502546	1/25/23		8.58	25.0	428	370
CW-7 (900 ft)	502546	4/8/20		8.36	25.1	705	69.6
CW-7 (900 ft)	502546	10/23/20		8.49	25.6	390	82.0
CW-7 (900 ft)	502546	3/11/21		8.69	23.5	990	315
CW-7 (900 ft)	502546	3/31/21		8.45	28.2	774	176
CW-7 (900 ft)	502546	6/3/21		8.74	26.6	543	146
CW-7 (900 ft)	502546	8/18/21		8.36	26.0	648	438
CW-7 (900 ft)	502546	11/17/21		8.55	24.3	385	172
CW-7 (900 ft)	502546	2/9/22		8.38	25.4	1144	558
CW-7 (900 ft)	502546	2/9/22	DUP	8.38	25.4	1144	600
CW-7 (900 ft)	502546	5/18/22		8.64	25.3	405	195
CW-7 (900 ft)	502546	9/12/22		8.38	26.0	415	214
CW-7 (900 ft)	502546	11/16/22		8.58	24.7	406	205
CW-7 (900 ft)	502546	1/25/23		8.40	25.6	1121	330
CW-8	543600	1/24/07		7.67	29.7	1232	449
CW-8	543600	5/14/07		7.69	29.4	1379	529
CW-8	543600	7/10/07		7.63	29.8	1401	500
CW-8	543600	1/8/08		7.59	7.6	1160	466
CW-8	543600	4/15/08		7.54	29.5	1135	441
CW-8	543600	7/8/08		7.40	29.8	1373	504
CW-9	588121	12/4/06		NM	NM	NM	44.5
CW-9	588121	1/3/07		7.74	27.0	387	44.9
CW-9	588121	5/14/07		7.74	27.5	414	47.8
CW-9	588121	7/10/07		7.68	22.6	414	46.7
CW-9	588121	1/8/08		7.55	27.3	356	47.3
CW-9	588121	4/15/08		7.39	27.4	347	43.7
CW-9	588121	7/8/08		7.26	27.9	396	44.1
CW-9	588121	10/7/08		7.50	27.7	395	43.5
CW-9	588121	2/6/09		7.79	26.8	300	45.1

## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
CW-9	588121	4/22/09		7.81	26.3	361	44.3
CW-9	588121	7/30/09		7.57	28.3	379	43.8
CW-9	588121	11/5/09		6.82	27.4	376	44.7
CW-9	588121	2/10/10		7.55	26.0	351	43.4
CW-9	588121	5/14/10		7.62	28.1	345	44.2
CW-9	588121	7/27/10		7.58	28.4	390	44.1
CW-9	588121	10/14/10		7.72	27.5	389	44.2
CW-9	588121	2/24/11		7.75	26.3	347	42.7
CW-9	588121	4/28/11		7.68	28.8	377	44.4
CW-9	588121	7/20/11		7.71	27.8	379	43.9
CW-9	588121	12/14/11		7.69	26.5	373	43.80
CW-9	588121	1/24/12		7.70	25.1	262	45.60
CW-9	588121	5/9/12		7.67	28.3	356	44.39
CW-9	588121	8/29/12		7.62	27.9	372	43.94
CW-9	588121	12/12/12		7.75	26.6	382	42.14
CW-9	588121	2/6/13		7.43	26.7	325	39.87
CW-9	588121	5/15/13		7.70	27.0	367	45.78
CW-9	588121	7/17/13		7.66	28.1	374	43.70
CW-9	588121	10/23/13		7.66	26.9	260	44.4
CW-9	588121	1/14/14		7.60	26.1	275	44.3
CW-9	588121	1/14/14	DUP	7.60	26.1	275	44.1
CW-9	588121	4/16/14		7.84	26.7	304	44.2
CW-9	588121	7/22/14		7.47	27.6	446	41.8
CW-9	588121	7/22/14	DUP	7.47	27.6	446	42.0
CW-9	588121	10/13/14		7.97	27.0	329	42.0
CW-9	588121	1/13/15		8.05	26.3	309	44.7
CW-9	588121	4/14/15		7.52	27.0	311	47.0
CW-9	588121	7/27/15		7.82	27.4	412	49.0
CW-9	588121	10/20/15		7.87	26.5	432	45.9
CW-9	588121	1/20/16		7.94	25.5	413	46.5
CW-9	588121	4/19/16		7.89	25.3	419	48.6
CW-9	588121	8/22/16		7.87	27.2	439.4	47.5
CW-9	588121	10/31/16		8.08	26.9	425.8	47.3
CW-9	588121	1/17/17		7.74	25.6	429.8	45.6
CW-9	588121	5/16/17		7.47	26.3	445.5	50.3
CW-9	588121	7/20/17		7.98	27.4	412	48.3
CW-9	588121	10/24/17		8.05	27.1	421	48.4
CW-9	588121	2/12/18		7.94	26.1	372	45.4
CW-9	588121	5/15/18		8.05	27.2	358	49.8
CW-9	588121	8/7/18		7.93	27.5	367	50.5
CW-9	588121	8/7/18	DUP	7.93	27.5	367	50.1
CW-9	588121	11/28/18		7.93	26.9	335	52.7
CW-9	588121	3/6/19		7.98	26.4	330	53.1
CW-9	588121	8/14/19		7.93	26.9	336	50.4
CW-9	588121	8/14/19	DUP	7.93	26.9	336	50.1
CW-9	588121	11/7/19		8.02	25.5	449	54.6
CW-9	588121	1/14/20		8.01	24.4	447	59.1
CW-9	588121	5/5/20		8.19	28.0	453	52.2
CW-9	588121	8/12/20		8.03	27.2	450	53.7
CW-9	588121	8/12/20	DUP	8.03	27.2	450	54.7
CW-9	588121	11/10/20		8.25	24.4	446	49.5
CW-9	588121	5/20/21		8.21	26.1	451	55.3
CW-9	588121	8/18/21		8.18	26.9	459	53.5
CW-9	588121	11/17/21		8.20	25.4	416	51.9
CW-9	588121	2/9/22		8.36	24.1	414	50.6
CW-9	588121	5/18/22		8.44	26.6	422	60.2
CW-9	588121	5/18/22	DUP	8.44	26.6	422	54.6
CW-9	588121	9/12/22		8.20	26.9	413	54.8
CW-9	588121	11/16/22		8.16	25.4	420	52.4
CW-9	588121	1/30/23		8.34	24.2	403	64.3
CW-10	207982	12/4/06		NM	NM	NM	37.2
CW-10	207982	1/24/07		7.90	30.2	385	48.6
CW-10	207982	5/14/07		7.81	31.3	392	52.8
CW-10	207982	7/10/07		7.82	31.3	403	51.7
CW-10	207982	1/8/08		7.79	28.2	334	45.3
CW-10	207982	4/15/08		7.51	30.6	339	50.8
CW-10	207982	7/8/08		7.34	31.2	385	50.5
CW-10	207982	10/7/08		7.59	30.5	380	48.3
CW-10	207982	2/6/09		7.91	29.8	295	51.3
CW-10	207982	4/22/09		7.71	29.2	349	47.9

## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
CW-10	207982	7/30/09		7.60	31.5	375	49.2
CW-10	207982	7/30/09	DUP	7.60	31.5	375	49.4
CW-10	207982	11/5/09		7.60	29.7	364	49.9
CW-10	207982	2/10/10		7.69	28.4	346	44.9
CW-10	207982	5/14/10		7.79	30.7	349	49.1
CW-10	207982	7/27/10		7.69	31.4	380	48.9
CW-10	207982	10/14/10		7.74	30.2	377	48.5
CW-10	207982	2/24/11		7.83	29.3	346	50.2
CW-10	207982	2/24/11	DUP	7.83	29.3	346	50.2
CW-10	207982	4/28/11		7.54	27.9	372	49.6
CW-10	207982	7/20/11		7.72	31.4	383	50.7
CW-10	207982	12/14/11		7.81	29.8	370	49.24
CW-10	207982	1/24/12		7.77	28.7	265	52.32
CW-10	207982	5/9/12		7.85	30.9	354	52.51
CW-10	207982	8/29/12		7.74	31.4	369	50.95
CW-10	207982	12/12/12		7.77	29.3	392	52.33
CW-10	207982	2/6/13		7.52	29.3	332	47.91
CW-10	207982	5/15/13		7.85	30.6	365	52.35
CW-10	207982	5/15/13	DUP	7.85	30.6	365	52.77
CW-10	207982	7/17/13		8.12	31.5	353	54.80
CW-10	207982	10/25/13		7.70	29.8	260	51.7
CW-10	207982	1/14/14		7.45	29.2	266	50.8
CW-10	207982	4/16/14		7.93	30.0	298	50.2
CW-10	207982	7/22/14		7.93	31.0	427	47.9
CW-10	207982	10/13/14		7.98	30.7	322	48.2
CW-10	207982	1/13/15		8.05	29.9	296	48.5
CW-10	207982	4/14/15		7.60	29.9	315	56.7
CW-10	207982	4/14/15	DUP	7.60	29.9	315	57.5
CW-10	207982	7/27/15		7.83	31.2	399	55.1
CW-10	207982	10/20/15		7.90	30.2	415	46.6
CW-10	207982	1/20/16		8.05	27.4	403	49.9
CW-10	207982	4/19/16		7.99	27.0	426	50.8
CW-10	207982	8/22/16		7.97	32.1	423.5	54.4
CW-10	207982	10/31/16		8.27	29.5	444.6	54.7
CW-10	207982	1/17/17		7.79	29.0	408.4	46.1
CW-10	207982	5/16/17		7.63	30.5	470	53.0
CW-10	207982	7/20/17		8.03	30.6	394	47.1
CW-10	207982	10/24/17		8.23	30.3	400	46.4
CW-10	207982	5/15/18		7.77	30.8	325	44.4
CW-10	207982	8/7/18		8.79	31.0	328	44.4
CW-10	207982	11/28/18		8.03	29.7	311	46.2
CW-10	207982	11/28/18	DUP	8.03	29.7	311	47.5
CW-10	207982	3/6/19		8.10	29.1	320	46.0
CW-10	207982	3/6/19	DUP	8.10	29.1	320	46.2
CW-10	207982	4/24/19		7.93	29.6	304	45.3
CW-10	207982	11/7/19		8.10	27.7	393	44.8
CW-10	207982	1/14/20		8.18	29.1	400	52.7
CW-10	207982	5/5/20		8.33	29.3	407	45.1
CW-10	207982	8/12/20		8.10	30.4	398	48.6
CW-10	207982	11/10/20		8.23	26.7	400	42.1
CW-10	207982	2/24/21		8.19	28.2	390	45.3
CW-10	207982	5/20/21		8.38	29.5	407	47.5
CW-10	207982	5/20/21	DUP	8.38	29.5	407	45.6
CW-10	207982	8/18/21		8.28	28.9	382	41.0
CW-10	207982	11/17/21		8.42	27.9	361	59.9
CW-10	207982	2/9/22		8.34	26.3	361	37.2
CW-10	207982	5/18/22		8.36	30.1	322	55.2
CW-10	207982	11/16/22		8.40	28.0	357	38.1
CW-10	207982	1/30/23		8.33	26.2	354	39.6
ESP-1	623102	12/4/06		NM	NM	NM	262
ESP-1	623102	1/3/07		7.65	28.0	869	242
ESP-1	623102	5/14/07		7.70	28.7	592	113
ESP-1	623102	7/10/07		7.66	28.8	584	94
ESP-1	623102	1/23/08		7.73	27.6	492	100
ESP-1	623102	4/18/08		7.61	29.6	474	102
ESP-1	623102	7/25/08		7.52	28.4	561	104
ESP-1	623102	10/30/08		7.55	26.9	576	121
ESP-1	623102	1/29/09		7.44	25.2	491	113
ESP-1	623102	4/16/09		7.72	25.4	541	130
ESP-1	623102	11/10/09		7.45	26.8	649	173

## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
ESP-1	623102	4/28/10		7.49	28.7	639	204
ESP-1	623102	10/15/10		7.49	27.7	953	291
ESP-1	623102	5/3/11		7.51	28.1	1060	359
ESP-1	623102	12/13/11		7.49	26.1	1046	387.52
ESP-1	623102	6/19/12		7.43	30.4	1221	395.72
ESP-2	623103	12/4/06		NM	NM	NM	29.6
ESP-2	623103	1/3/07		7.82	28.4	377	31.3
ESP-2	623103	5/14/07		7.86	27.8	368	28.4
ESP-2	623103	7/10/07		7.73	28.9	380	28.6
ESP-2	623103	1/23/08		7.85	25.8	366	30
ESP-2	623103	4/18/08		7.80	27.3	325	27.6
ESP-2	623103	7/25/08		7.65	28.6	361	26.8
ESP-2	623103	10/30/08		7.22	27.5	374	30.1
ESP-2	623103	10/30/08	DUP	7.22	27.5	374	30
ESP-2	623103	1/29/09		6.38	25.4	317	27.8
ESP-2	623103	4/16/09		7.55	24.0	307	28.2
ESP-2	623103	11/10/09		7.58	27.0	343	28.9
ESP-2	623103	4/28/10		7.67	27.9	324	28.7
ESP-2	623103	10/15/10		7.78	27.6	355	27.9
ESP-2	623103	10/15/10	DUP	7.78	27.6	355	27.8
ESP-2	623103	5/3/11		7.72	27.8	361	28.1
ESP-2	623103	5/3/11	DUP	7.72	27.8	361	28.1
ESP-2	623103	11/22/11		7.84	26.0	350	26.65
ESP-2	623103	6/19/12		7.65	31.7	387	27.75
ESP-2	623103	11/21/12		7.55	28.8	333	26.79
ESP-2	623103	5/20/13		7.70	28.2	350	27.86
ESP-2	623103	11/5/13		7.72	27.9	245	26.9
ESP-2	623103	4/28/14		7.91	27.5	291	28.3
ESP-2	623103	10/1/14		7.96	28.3	327	26.8
ESP-2	623103	5/12/15		7.89	27.5	274	29.1
ESP-2	623103	10/21/15		7.84	27.4	321	30.2
ESP-2	623103	2/9/16		7.84	26.7	427	30.9
ESP-2	623103	6/7/16		7.84	27.7	282	32.7
ESP-2	623103	9/7/16		8.03	26.8	402.3	31.9
ESP-2	623103	10/4/16		7.99	29.1	406.3	30.4
ESP-2	623103	1/18/17		7.93	27.4	397.6	31.0
ESP-2	623103	5/22/17		7.98	29.2	408.5	32.6
ESP-2	623103	8/7/17		7.98	28.6	374	30.5
ESP-2	623103	10/17/17		8.08	29.3	404	30.6
ESP-2	623103	1/16/18		8.08	27.8	312	29.2
ESP-2	623103	4/5/18		7.70	29.0	325	30.4
ESP-2	623103	12/10/18		8.00	28.1	293	32.5
ESP-2	623103	6/12/19		8.04	29.3	234	32.7
ESP-2	623103	9/12/19		7.88	28.7	404	31.4
ESP-2	623103	10/29/19		7.94	27.0	400	31.0
ESP-2	623103	11/25/19		7.97	27.5	401	31.2
ESP-2	623103	12/12/19		8.13	23.5	402	56.5
ESP-2	623103	1/9/20		7.97	27.0	405	35.4
ESP-2	623103	2/10/20		7.99	27.2	403	31.2
ESP-2	623103	3/11/20		8.01	28.2	405	31.2
ESP-2	623103	4/9/20		8.08	27.3	405	30.0
ESP-2	623103	10/7/20		8.07	27.9	414	29.7
ESP-2	623103	4/5/21		8.10	27.8	409	32.3
ESP-2	623103	11/19/21		8.20	28.8	376	31.9
ESP-2	623103	11/19/21	DUP	8.20	28.8	376	31.9
ESP-2	623103	4/7/22		8.32	27.0	370	31.3
ESP-2	623103	10/25/22		8.16	28.9	381	31.7
ESP-3	623104	12/4/06		NM	NM	NM	36.2
ESP-3	623104	1/3/07		7.83	27.8	393	37.5
ESP-3	623104	5/14/07		7.78	28.8	374	36.6
ESP-3	623104	5/14/07		7.78	28.8	374	36.6
ESP-3	623104	7/10/07		7.84	29.2	378	36.6
ESP-3	623104	1/23/08		7.99	26.1	373	30
ESP-3	623104	4/18/08		7.82	27.8	322	35.7
ESP-3	623104	7/25/08		7.70	28.2	358	34
ESP-3	623104	10/30/08		7.58	27.8	375	36.8
ESP-3	623104	1/29/09		7.73	23.9	327	35.2
ESP-3	623104	4/16/09		7.62	26.1	327	35.3
ESP-3	623104	11/12/09		7.71	27.0	354	39.5
ESP-3	623104	4/28/10		7.77	25.8	326	35.8



## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
ESP-3	623104	10/15/10		7.76	27.5	356	35.2
ESP-3	623104	5/3/11		7.82	27.2	362	35.1
ESP-3	623104	11/22/11		7.95	27.6	337	34.18
ESP-3	623104	6/19/12		7.87	30.6	390	34.98
ESP-3	623104	11/21/12		7.59	28.4	327	35.4
ESP-3	623104	5/22/13		7.71	26.7	368	35.87
ESP-3	623104	11/5/13		7.76	27.2	242	35.6
ESP-3	623104	4/28/14		7.90	27.7	287	35.9
ESP-3	623104	10/1/14		7.99	28.2	324	33.6
ESP-3	623104	5/12/15		7.90	27.8	269	36.4
ESP-3	623104	10/21/15		7.94	28.4	312	36.9
ESP-3	623104	2/9/16		7.84	27.8	396	38.2
ESP-3	623104	6/7/16		7.85	27.9	270	38.3
ESP-3	623104	9/7/16		8.08	27.5	393.1	38.0
ESP-3	623104	9/7/16	DUP	8.08	27.5	393.1	37.8
ESP-3	623104	10/4/16		7.99	28.7	395.7	36.7
ESP-3	623104	1/18/17		7.79	27.8	406.1	35.3
ESP-3	623104	1/18/17	DUP	7.79	27.8	406.1	36.0
ESP-3	623104	5/22/17		7.90	28.4	398.5	37.4
ESP-3	623104	8/7/17		7.84	28.4	365	36.4
ESP-3	623104	10/17/17		8.08	28.9	392	36.7
ESP-3	623104	1/16/18		7.88	27.8	303	34.5
ESP-3	623104	4/5/18		7.96	29.0	320	35.7
ESP-3	623104	12/10/18		8.12	28.2	292	39.4
ESP-3	623104	12/10/18	DUP	8.12	28.2	292	39.5
ESP-3	623104	6/12/19		8.06	28.9	227	38.4
ESP-3	623104	6/12/19	DUP	8.06	28.9	227	38.4
ESP-3	623104	9/12/19		7.98	28.6	391	37.7
ESP-3	623104	10/29/19		7.99	27.7	387	37.1
ESP-3	623104	11/25/19		7.98	27.9	391	37.0
ESP-3	623104	12/12/19		8.06	26.5	388	51.4
ESP-3	623104	1/9/20		8.11	25.3	392	37.9
ESP-3	623104	2/10/20		7.99	27.2	389	37.2
ESP-3	623104	3/11/20		8.01	28.4	391	36.8
ESP-3	623104	3/11/20	DUP	8.01	28.4	391	36.7
ESP-3	623104	4/9/20		8.05	27.5	391	35.9
ESP-3	623104	10/7/20		8.04	28.6	386	34.5
ESP-3	623104	4/5/21		8.07	28.0	393	37.0
ESP-3	623104	11/9/21		8.21	28.1	356	35.5
ESP-3	623104	4/7/22		8.40	27.0	310	32.0
ESP-3	623104	10/25/22		8.26	28.3	366	35.0
ESP-4	623105	3/20/07		7.67	26.7	1187	393
ESP-4	623105	6/4/07		7.45	28.4	733	385
ESP-4	623105	7/24/07		7.34	28.4	918	410
ESP-4	623105	7/24/07		7.34	28.4	918	420
ESP-4	623105	1/23/08		7.83	24.4	787	520
ESP-4	623105	4/18/08		7.71	27.2	821	462
ESP-4	623105	7/25/08		7.52	28.6	1096	420
ESP-4	623105	10/30/08		7.23	25.9	962	489
ESP-4	623105	1/29/09		7.52	24.7	950	522
ESP-4	623105	4/16/09		7.30	25.4	873	521
ESP-4	623105	10/23/09		7.41	27.8	954	485
ESP-4	623105	4/28/10		7.37	26.7	936	558
ESP-4	623105	4/28/10	DUP	7.37	26.7	936	520
ESP-4	623105	10/15/10		7.41	27.9	1356	539
ESP-4	623105	5/3/11		7.54	27.1	1465	595
ESP-4	623105	11/12/12		7.60	26.3	1337	618.5
ESP-4	623105	5/20/13		7.46	28.5	1173	581.6
ESP-4	623105	11/5/13		7.47	26.8	843	585
ESP-4	623105	4/28/14		7.70	25.8	814	352
ESP-4	623105	10/1/14		7.69	26.5	993	397
ESP-4	623105	5/12/15		7.69	26.8	766	423
ESP-4	623105	10/19/15		7.63	27.3	972	420
ESP-4	623105	10/19/15	DUP	7.63	27.3	972	420
ESP-4	623105	6/7/16		7.55	26.9	757	385
ESP-4	623105	10/4/16		7.86	27.0	1205	368
ESP-4	623105	10/4/16	DUP	7.86	27.0	1205	362
ESP-4	623105	5/22/17		7.56	27.7	1190	342
ESP-4	623105	10/17/17		7.82	28.8	1124	341
ESP-4	623105	4/5/18		7.89	27.7	920	302

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### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
ESP-4	623105	4/5/18	DUP	7.89	27.7	920	301
ESP-4	623105	12/10/18		7.85	27.3	683	332
ESP-4	623105	6/12/19		7.86	28.5	297	222
ESP-4	623105	9/12/19		7.85	27.5	812	200
ESP-4	623105	10/29/19		7.87	26.6	780	181
ESP-4	623105	11/25/19		7.88	26.3	785	186
ESP-4	623105	12/12/19		7.98	26.2	770	195
ESP-4	623105	1/9/20		8.06	24.6	772	171
ESP-4	623105	2/10/20		8.04	25.6	734	165
ESP-4	623105	3/11/20		8.05	27.2	738	164
ESP-4	623105	4/9/20		8.04	26.1	689	136
ESP-4	623105	10/7/20		7.99	27.5	714	154
ESP-4	623105	4/5/21		7.94	27.8	712	150
ESP-4	623105	4/5/21	DUP	7.94	27.8	712	147
ESP-4	623105	11/9/21		8.20	27.9	681	150
ESP-4	623105	4/7/22		8.46	26.9	674	134
ESP-4	623105	10/25/22		8.18	27.6	633	154
FFS-1	221662	2/4/14		7.63	23.2	3230	1780
FFS-1	221662	2/4/14	DUP	7.63	23.2	3230	1750
FFS-1	221662	4/15/14		7.61	25.6	1871	1760
FFS-1	221662	7/9/14		7.08	26.4	3080	1850
FFS-1	221662	11/11/14		7.44	25.5	3170	1790
FFS-1	221662	1/12/15		7.57	24.6	3150	1770
FFS-1	221662	1/12/15	DUP	7.57	24.6	3150	1760
FFS-1	221662	7/15/15		7.64	27.2	2980	1770
FFS-1	221662	11/3/15		7.41	24.6	1560	1750
FFS-1	221662	11/3/15	DUP	7.41	24.6	1560	1690
FFS-1	221662	1/5/16		6.73	23.5	1854	1850
FFS-1	221662	5/9/16		7.43	25.7	1310	1860
FFS-1	221662	5/9/16	DUP	7.43	25.7	1310	1880
FFS-1	221662	8/18/16		6.91	25.6	3641	1820
FFS-1	221662	4/17/17		7.76	25.4	3339	1790
FFS-1	221662	5/10/18		7.71	27.6	2446	1820
FFS-1	221662	4/22/19		7.68	25.2	752	1880
FFS-1	221662	5/26/20		7.90	25.3	3515	2000
FFS-1	221662	4/7/21		7.88	24.8	3563	1830
FFS-1	221662	4/25/22		8.13	25.2	3032	1700
FFS-2	221663	2/4/14		7.61	24.4	3120	1730
FFS-2	221663	4/15/14		7.46	27.0	1788	1710
FFS-2	221663	4/15/14	DUP	7.46	27.0	1788	1730
FFS-2	221663	7/9/14		6.97	27.4	2920	1840
FFS-2	221663	7/9/14	DUP	6.97	27.4	2920	1820
FFS-2	221663	11/11/14		7.22	26.4	3100	1800
FFS-2	221663	1/12/15		7.48	26.3	3050	1760
FFS-2	221663	4/2/15		7.49	26.5	1570	1800
FFS-2	221663	4/2/15	DUP	7.49	26.5	1570	1800
FFS-2	221663	7/15/15		6.45	28.2	2900	1850
FFS-2	221663	11/3/15		7.35	25.4	1526	1760
FFS-2	221663	1/5/16		6.88	24.0	1729	1900
FFS-2	221663	5/16/16		7.36	27.5	1490	1920
FFS-2	221663	8/18/16		7.23	27.1	3583	1940
FFS-2	221663	4/17/17		7.61	26.8	3349	1820
FFS-2	221663	4/25/18		7.65	28.4	2608	1920
FFS-2	221663	4/22/19		7.74	27.3	1223	1960
FFS-2	221663	5/26/20		7.85	27.1	3538	1780
FFS-2	221663	4/7/21		7.75	26.7	3606	1900
FFS-2	221663	4/25/22		8.28	26.8	3260	1820
FFS-3	221664	2/4/14		7.37	29.5	2630	1450
FFS-3	221664	4/15/14		7.41	31.1	1559	1440
FFS-3	221664	7/9/14		6.98	32.0	2580	1560
FFS-3	221664	11/11/14		7.16	30.3	2670	1570
FFS-3	221664	1/12/15		7.43	29.6	1840	1500
FFS-3	221664	4/2/15		7.38	29.3	1433	1490
FFS-3	221664	7/15/15		6.93	31.6	2550	1560
FFS-3	221664	11/3/15		7.49	29.1	1511	1480
FFS-3	221664	1/5/16		7.03	28.6	1604	1590
FFS-3	221664	5/16/16		7.43	31.4	1461	1580
FFS-3	221664	8/22/16		7.40	31.9	3027	1580
FFS-3	221664	4/17/17		7.64	32.4	2831	1490
FFS-3	221664	4/26/18		7.72	31.9	2293	1530

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### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
FFS-3	221664	4/26/18	DUP	7.72	31.9	2293	1570
FFS-3	221664	4/22/19		7.79	31.3	1308	1580
FFS-3	221664	5/26/20		7.84	31.8	2937	1470
FFS-3	221664	4/25/22		8.12	33.8	2547	1450
FFS-4	221665	2/4/14		7.59	29.1	1857	1100
FFS-4	221665	4/15/14		7.64	31.4	1347	1140
FFS-4	221665	7/9/14		7.09	32.6	2190	1260
FFS-4	221665	11/11/14		7.21	30.6	1821	1310
FFS-4	221665	1/12/15		7.52	30.3	1603	1230
FFS-4	221665	4/2/15		7.58	30.0	1317	1230
FFS-4	221665	11/3/15		7.57	30.1	1439	1240
FFS-4	221665	1/5/16		7.13	30.0	1499	1320
FFS-4	221665	1/5/16	DUP	7.13	30.0	1499	1330
FFS-4	221665	5/16/16		7.50	31.9	1360	1380
FFS-4	221665	8/22/16		7.49	32.9	2666	1380
FFS-4	221665	4/17/17		7.70	32.9	2570	1310
FFS-4	221665	5/1/18		7.62	32.4	2011	1350
FFS-4	221665	4/22/19		7.83	32.7	1203	1320
FFS-4	221665	5/26/20		7.90	33.2	2543	1270
FFS-4	221665	5/10/21		8.01	32.3	2536	1350
FFS-4	221665	4/25/22		8.03	33.1	2389	1320
FFS-5	221666	2/4/14		7.36	27.5	2580	1360
FFS-5	221666	4/15/14		7.56	28.8	1528	1360
FFS-5	221666	7/9/14		6.93	30.0	2460	1400
FFS-5	221666	11/11/14		7.13	29.0	2570	1410
FFS-5	221666	11/11/14	DUP	7.13	29.0	2570	1320
FFS-5	221666	1/12/15		7.48	28.5	1776	1360
FFS-5	221666	4/2/15		7.40	28.0	1410	1390
FFS-5	221666	7/15/15		6.47	30.5	2460	1430
FFS-5	221666	11/3/15		7.41	28.2	1541	1400
FFS-5	221666	1/6/16		7.12	25.6	1555	1550
FFS-5	221666	5/16/16		7.46	29.3	1380	1470
FFS-5	221666	8/22/16		7.36	30.5	3052	1440
FFS-5	221666	8/22/16	DUP	7.36	30.5	3052	1520
FFS-5	221666	4/17/17		7.57	30.3	2900	1500
FFS-5	221666	4/22/19		7.98	29.2	1268	1620
FFS-5	221666	4/7/21		7.89	29.7	3053	1540
FFS-6	221667	2/4/14		7.41	27.4	2250	1260
FFS-6	221667	4/15/14		7.53	29.2	1378	1130
FFS-6	221667	7/9/14		6.94	29.9	2220	1210
FFS-6	221667	11/11/14		7.10	28.4	1833	1170
FFS-6	221667	1/12/15		7.52	29.2	1609	1180
FFS-6	221667	1/12/15	DUP	7.52	29.2	1609	1190
FFS-6	221667	4/2/15		7.47	27.2	1323	1210
FFS-6	221667	7/15/15		7.11	31.5	2190	1220
FFS-6	221667	7/15/15	DUP	7.11	31.5	2190	1260
FFS-6	221667	11/4/15		7.16	26.6	1407	1200
FFS-6	221667	1/6/16		7.18	26.8	1540	1270
FFS-6	221667	5/16/16		7.53	29.4	1367	1270
FFS-6	221667	8/22/16		7.36	30.2	2655	1250
FFS-6	221667	4/17/17		7.44	27.1	1367	1590
FFS-6	221667	6/29/18		7.71	29.9	2065	1310
FFS-6	221667	4/25/22		8.02	30.5	2321	1200
GV-01-GVDWID	603428	8/6/06		NM	NM	NM	41.2
GV-01-GVDWID	603428	1/9/07		8.00	25.8	424	40.9
GV-01-GVDWID	603428	4/10/07		7.69	27.2	421	43.2
GV-01-GVDWID	603428	7/11/07		7.64	26.8	447	41.5
GV-01-GVDWID	603428	1/7/08		7.49	25.7	422	45.7
GV-01-GVDWID	603428	4/16/08		7.29	25.8	399	44.1
GV-01-GVDWID	603428	7/7/08		7.14	26.1	466	45.2
GV-01-GVDWID	603428	10/9/08		7.25	26.6	414	39
GV-01-GVDWID	603428	2/4/09		7.50	26.4	338	42.3
GV-01-GVDWID	603428	4/22/09		7.05	27.8	380	40.6
GV-01-GVDWID	603428	7/29/09		7.17	24.6	606	44.3
GV-01-GVDWID	603428	11/4/09		7.45	25.1	415	45.1
GV-01-GVDWID	603428	1/27/10		7.54	24.5	411	47.0
GV-01-GVDWID	603428	4/1/10		7.49	24.6	420	48.5
GV-01-GVDWID	603428	7/28/10		7.20	28.1	348	39.4
GV-01-GVDWID	603428	10/14/10		7.29	26.4	411	38.4
GV-01-GVDWID	603428	1/20/11		7.04	23.0	408	40.0

## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
GV-01-GVDWID	603428	4/28/11		7.30	27.5	421	42.9
GV-01-GVDWID	603428	7/20/11		6.88	27.1	429	39.6
GV-01-GVDWID	603428	12/7/11		7.68	25.4	416	39.31
GV-01-GVDWID	603428	3/14/12		7.61	26.0	406	35.56
GV-01-GVDWID	603428	6/7/12		7.21	26.9	420	37.87
GV-01-GVDWID	603428	8/29/12		7.38	27.6	409	36.15
GV-01-GVDWID	603428	11/15/12		7.27	23.9	450	33.95
GV-01-GVDWID	603428	1/29/13		7.34	24.9	373	38.61
GV-01-GVDWID	603428	5/16/13		7.64	26.8	398	38.80
GV-01-GVDWID	603428	7/11/13		7.79	26.4	367	42.60
GV-01-GVDWID	603428	7/11/13	DUP	7.79	26.4	367	42.50
GV-01-GVDWID	603428	10/16/13		6.72	26.0	388	33.0
GV-01-GVDWID	603428	1/10/14		7.31	24.2	486	34.2
GV-01-GVDWID	603428	1/10/14	DUP	7.31	24.2	486	34.2
GV-01-GVDWID	603428	4/15/14		7.95	25.2	325	35.5
GV-01-GVDWID	603428	7/21/14		7.42	27.3	498	31.9
GV-01-GVDWID	603428	1/12/15		7.74	25.1	325	33.7
GV-01-GVDWID	603428	4/15/15		7.56	27.2	347	37.6
GV-01-GVDWID	603428	7/22/15		7.65	26.5	446	41.8
GV-01-GVDWID	603428	10/21/15		7.22	25.8	345	34.5
GV-01-GVDWID	603428	10/21/15	DUP	7.22	25.8	345	33.7
GV-01-GVDWID	603428	1/19/16		7.98	24.8	435	33.7
GV-01-GVDWID	603428	4/20/16		7.45	26.7	368	40.9
GV-01-GVDWID	603428	8/24/16		7.94	27.6	515	34.1
GV-01-GVDWID	603428	11/3/16		7.98	25.3	456	36.8
GV-01-GVDWID	603428	1/19/17		7.87	24.4	444.4	33.3
GV-01-GVDWID	603428	5/31/17		7.79	26.5	482	30.1
GV-01-GVDWID	603428	7/13/17		7.93	26.0	427	27.0
GV-01-GVDWID	603428	10/25/17		8.02	26.2	401	27.2
GV-01-GVDWID	603428	2/13/18		8.07	25.0	359	25.4
GV-01-GVDWID	603428	5/16/18		7.86	27.0	379	26.4
GV-01-GVDWID	603428	8/15/18		7.93	25.8	292	25.3
GV-01-GVDWID	603428	11/28/18		8.08	24.8	312	27.3
GV-01-GVDWID	603428	3/7/19		7.41	24.7	312	26.0
GV-01-GVDWID	603428	4/25/19		8.06	26.0	281	25.2
GV-01-GVDWID	603428	7/30/19		7.37	25.8	314	22.5
GV-01-GVDWID	603428	11/5/19		8.10	23.3	460	24.0
GV-01-GVDWID	603428	1/20/20		7.88	23.9	437	23.5
GV-01-GVDWID	603428	5/14/20		8.43	24.4	423	18.1
GV-01-GVDWID	603428	8/13/20		8.02	25.9	439	20.0
GV-02-GVDWID	603429	8/6/06		NM	NM	NM	48.6
GV-02-GVDWID	603429	10/4/06		NM	NM	NM	95.3
GV-02-GVDWID	603429	1/9/07		7.68	23.6	626	103
GV-02-GVDWID	603429	4/10/07		7.60	24.1	479	106
GV-02-GVDWID	603429	7/11/07		7.50	24.0	649	98
GV-02-GVDWID	603429	1/7/08		7.32	23.3	611	98
GV-02-GVDWID	603429	4/16/08		7.28	23.7	553	97
GV-02-GVDWID	603429	7/7/08		7.12	23.8	642	93.2
GV-02-GVDWID	603429	10/9/08		7.18	24.2	599	93.5
GV-02-GVDWID	603429	2/4/09		7.36	23.9	489	98.8
GV-02-GVDWID	603429	4/22/09		6.67	26.5	485	79.5
GV-02-GVDWID	603429	7/29/09		7.02	26.4	427	91.6
GV-02-GVDWID	603429	11/4/09		7.25	24.3	547	93.2
GV-02-GVDWID	603429	1/27/10		7.47	22.0	547	94.9
GV-02-GVDWID	603429	1/27/10	DUP	7.47	22.0	547	94.5
GV-02-GVDWID	603429	4/1/10		7.33	22.9	555	99.5
GV-02-GVDWID	603429	7/28/10		7.23	24.6	650	83
GV-02-GVDWID	603429	10/14/10		7.36	24.5	629	90.7
GV-02-GVDWID	603429	1/20/11		7.37	23.1	611	92.7
GV-02-GVDWID	603429	4/28/11		7.43	24.5	612	87.3
GV-02-GVDWID	603429	7/20/11		7.35	24.0	624	87.2
GV-02-GVDWID	603429	12/7/11		7.53	21.8	578	77.88
GV-02-GVDWID	603429	3/14/12		7.37	23.8	566	77.35
GV-02-GVDWID	603429	6/7/12		7.14	24.0	559	71.78
GV-02-GVDWID	603429	8/29/12		7.49	26.3	495	62.98
GV-02-GVDWID	603429	8/29/12	DUP	7.49	26.3	495	63.26
GV-02-GVDWID	603429	11/15/12		7.55	23.4	543	63.97
GV-02-GVDWID	603429	1/29/13		7.35	22.7	457	61.02
GV-02-GVDWID	603429	1/29/13	DUP	7.35	22.7	457	61.23
GV-02-GVDWID	603429	5/16/13		7.54	24.4	482	63.14



## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
GV-02-GVDWID	603429	7/11/13		7.72	24.4	423	64.20
GV-02-GVDWID	603429	10/16/13		6.67	23.5	469	53.3
GV-02-GVDWID	603429	1/10/14		7.37	22.1	553	55.3
GV-02-GVDWID	603429	4/15/14		7.92	23.5	343	45.7
GV-02-GVDWID	603429	7/21/14		7.31	24.8	544	42.1
GV-02-GVDWID	603429	10/14/14		7.73	23.5	449	48.5
GV-02-GVDWID	603429	1/12/15		7.56	22.7	387	46.4
GV-02-GVDWID	603429	4/15/15		7.18	23.9	419	58.7
GV-02-GVDWID	603429	7/22/15		7.86	24.9	484	49.8
GV-02-GVDWID	603429	10/21/15		7.70	24.0	406	52.4
GV-02-GVDWID	603429	4/20/16		7.10	24.3	428	52.8
GV-02-GVDWID	603429	11/3/16		8.00	24.2	503	44.3
GV-02-GVDWID	603429	11/3/16	DUP	8.00	24.2	503	44.3
GV-02-GVDWID	603429	1/19/17		7.90	22.7	496	43.6
GV-02-GVDWID	603429	5/15/17		7.64	24.3	462	37.6
GV-02-GVDWID	603429	7/13/17		8.00	24.1	480	37.7
GV-02-GVDWID	603429	10/25/17		8.00	24.4	455	37.7
GV-02-GVDWID	603429	2/13/18		7.90	23.5	426	36.2
GV-02-GVDWID	603429	5/16/18		7.93	23.8	413	41.8
GV-02-GVDWID	603429	11/28/18		7.96	23.7	358	47.6
GV-02-GVDWID	603429	3/7/19		7.67	23.2	345	49.3
GV-02-GVDWID	603429	4/25/19		7.96	23.8	344	51.5
GV-02-GVDWID	603429	7/30/19		7.63	24.3	310	45
GV-02-GVDWID	603429	11/5/19		7.87	22.5	529	49.2
GV-02-GVDWID	603429	1/20/20		7.90	23.0	540	50.7
GV-02-GVDWID	603429	5/14/20		8.23	22.8	538	49.2
GV-02-GVDWID	603429	8/13/20		7.90	24.6	560	55.5
GV-02-GVDWID	603429	11/11/20		8.12	21.7	536	50.8
GV-02-GVDWID	603429	11/11/20	DUP	8.12	21.7	536	50.9
GV-02-GVDWID	603429	2/25/21		8.00	22.6	554	53.6
GV-02-GVDWID	603429	4/8/21		8.01	23.2	548	53.7
GV-02-GVDWID	603429	8/19/21		8.02	24.1	546	53.4
GV-02-GVDWID	603429	11/5/21		8.09	22.6	530	43.7
GV-02-GVDWID	603429	2/17/22		8.27	21.7	477	46.0
GV-02-GVDWID	603429	5/17/22		8.46	24.1	485	47.9
GV-02-GVDWID	603429	9/15/22		8.09	24.1	489	49.6
GV-02-GVDWID	603429	11/17/22		8.06	22.6	535	48.5
GV-02-GVDWID	603429	11/17/22	DUP	8.06	22.6	535	48.0
GV-02-GVDWID	603429	1/30/23		8.28	21.8	481	58.1
GV-SI-GVDWID	208825	10/4/06		NM	NM	NM	5.9
GV-SI-GVDWID	208825	1/9/07		7.90	26.7	358	5.7
GV-SI-GVDWID	208825	4/10/07		7.48	26.8	367	6.6
GV-SI-GVDWID	208825	7/11/07		7.59	27.1	389	6.9
GV-SI-GVDWID	208825	1/7/08		7.00	26.6	342	8
GV-SI-GVDWID	208825	4/16/08		7.27	26.4	331	2
GV-SI-GVDWID	208825	7/7/08		7.18	27.2	382	<0.5
GV-SI-GVDWID	208825	10/9/08		7.44	26.7	352	5.4
GV-SI-GVDWID	208825	2/4/09		7.56	27.3	290	6.2
GV-SI-GVDWID	208825	4/22/09		6.95	28.0	330	5.6
GV-SI-GVDWID	208825	4/1/10		7.55	26.1	339	6.9
GV-SI-GVDWID	208825	4/28/11		7.57	27.1	364	6.0
GV-SI-GVDWID	208825	6/20/12		7.33	28.5	367	8.46
GV-SI-GVDWID	208825	5/16/13		7.55	26.6	359	6.10
GV-SI-GVDWID	208825	4/14/14		7.92	25.8	290	5.89
GV-SI-GVDWID	208825	4/15/15		7.18	27.0	321	8.35
GV-SI-GVDWID	208825	4/20/16		7.02	26.4	374	8.40
GV-SI-GVDWID	208825	4/20/16	DUP	7.02	26.4	374	8.31
GV-SI-GVDWID	208825	5/15/17		7.76	27.6	418.1	7.52
GV-SI-GVDWID	208825	5/16/18		8.06	27.3	343	6.60
GV-SI-GVDWID	208825	5/16/18	DUP	8.06	27.3	343	6.56
GV-SI-GVDWID	208825	4/25/19		7.91	27.1	301	6.06
GV-SI-GVDWID	208825	4/25/19	DUP	7.91	27.1	301	6.12
GV-SI-GVDWID	208825	5/14/20		8.26	25.0	411	7.02
GV-SI-GVDWID	208825	5/14/20	DUP	8.26	25.0	411	7.38
GV-SI-GVDWID	208825	4/8/21		8.00	26.4	408	7.16
GV-SI-GVDWID	208825	5/17/22		8.43	26.1	362	8.21
HAVEN GOLF	515867	2/6/07		7.28	23.0	683	107
HAVEN GOLF	515867	4/16/07		7.26	23.3	655	105
HAVEN GOLF	515867	7/9/07		7.57	32.8	622	80.1
HAVEN GOLF	515867	1/7/08		7.18	21.0	610	99

## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
HAVEN GOLF	515867	4/15/08		7.34	24.8	629	106
HAVEN GOLF	515867	7/7/08		6.93	23.9	727	112
HAVEN GOLF	515867	10/7/08		7.31	27.8	588	92.3
HAVEN GOLF	515867	2/4/09		7.33	23.7	554	120
HAVEN GOLF	515867	2/4/09	DUP	7.33	23.7	554	119
HAVEN GOLF	515867	4/21/09		7.40	23.6	306	109
HAVEN GOLF	515867	4/22/10		6.85	20.8	726	109
HAVEN GOLF	515867	4/21/11		7.10	20.4	588	95
HAVEN GOLF	515867	5/29/12		6.41	279.0	633	88.05
HAVEN GOLF	515867	5/7/13		7.46	23.5	537	105.13
HAVEN GOLF	515867	4/22/14		6.99	24.5	571	97.40
HAVEN GOLF	515867	5/13/15		7.25	23.9	429	112
HAVEN GOLF	515867	6/8/16		7.31	24.2	456	99.5
HAVEN GOLF	515867	6/8/16	DUP	7.31	24.2	456	101.0
HAVEN GOLF	515867	5/11/17		7.73	23.7	583	91.6
HAVEN GOLF	515867	5/11/17	DUP	7.73	23.7	583	87.7
HAVEN GOLF	515867	5/14/18		7.72	25.4	501	91.0
HAVEN GOLF	515867	4/24/19		8.06	24.3	558	102
HAVEN GOLF	515867	5/12/20		8.56	28.3	673	98.2
HAVEN GOLF	515867	5/16/22		8.61	25.0	561	97.6
I-10	608525	4/16/07		7.17	28.8	878	533
I-10	608525	7/11/07		7.13	31.3	1013	550
I-10	608525	1/8/08		7.46	24.6	1164	520
I-10	608525	4/14/08		7.29	29.5	836	490
I-10	608525	7/21/08		7.19	30.9	1036	480
I-10	608525	10/28/08		7.18	29.7	1034	526
I-10	608525	1/20/09		7.13	27.6	1040	544
I-10	608525	5/12/09		7.15	28.0	997	495
I-10	608525	4/30/14		7.52	27.0	1072	629
IW-1	623129	11/15/06		NM	NM	NM	490
IW-1	623129	1/10/07		6.97	25.1	1033	520
IW-1	623129	4/9/07		7.24	26	918	480
IW-1	623129	7/16/07		6.86	32.7	884	510
IW-1	623129	1/16/08		7.38	28.5	959	610
IW-1	623129	5/7/08		6.87	29.8	847	610
IW-1	623129	7/23/08		6.57	29.5	1228	670
IW-1	623129	10/24/08		7.01	30.9	1201	700
IW-1	623129	1/27/09		6.61	23.6	1134	660
IW-1	623129	4/20/09		7.01	29.0	1092	670
IW-1	623129	4/12/10		6.79	29.6	1148	940
IW-1	623129	5/11/11		7.02	27.1	2110	1050
IW-1	623129	5/21/12		6.71	32.0	1689	900
IW-1	623129	4/15/13		7.25	27.4	1676	980
IW-1	623129	4/14/14		7.44	28.2	1120	896
IW-1	623129	4/1/15		7.55	28.7	1302	1140
IW-1	623129	5/17/16		7.46	28.2	1330	1430
IW-1	623129	8/23/16		7.54	29.2	2735	1290
IW-1	623129	10/4/16		7.64	28.6	2805	1270
IW-1	623129	4/19/17		7.77	29.4	2821	1450
IW-1	623129	4/19/17	DUP	7.77	29.4	2821	1440
IW-1	623129	4/23/19		7.67	28.6	1521	1510
IW-1	623129	5/26/20		7.82	29.3	2578	1150
IW-1	623129	5/26/20	DUP	7.82	29.3	2578	1140
IW-1	623129	4/7/21		7.74	28.8	2491	1180
IW-1	623129	4/7/21	DUP	7.74	28.8	2491	1160
IW-1	623129	4/21/22		7.99	29.1	2249	1110
IW-2	623130	11/15/06		NM	NM	NM	100
IW-2	623130	1/10/07		6.91	23.8	528	110
IW-2	623130	4/3/07		7.08	25.3	492	90
IW-2	623130	7/16/07		7.18	32.2	506	90
IW-2	623130	1/16/08		7.76	28.1	470	70
IW-2A	216464	4/22/08		6.99	30.5	382	80
IW-2A	216464	7/23/08		6.88	30.3	474	60
IW-2A	216464	10/24/08		7.43	30.3	473	60
IW-2A	216464	1/27/09		7.02	25	420	53
IW-2A	216464	4/20/09		6.85	28.0	405	54
IW-2A	216464	4/12/10		7.04	NM	28.9	77
IW-2A	216464	5/11/11		7.12	26.7	541	87
IW-2A	216464	5/11/11	DUP	7.12	26.7	541	88
IW-2A	216464	5/21/12		6.89	31.1	638	121

## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
IW-2A	216464	4/15/13		7.01	27.0	550	123
IW-2A	216464	4/14/14		7.64	27.7	430	116
IW-2A	216464	4/1/15		7.94	27.8	536	150
IW-2A	216464	5/17/16		7.67	28.1	574	257
IW-2A	216464	8/23/16		7.92	29.6	994	270
IW-2A	216464	10/4/16		7.87	28.3	1016	269
IW-2A	216464	4/23/19		7.88	29.2	858	413
IW-2A	216464	5/26/20		8.05	29.0	1186	359
IW-2A	216464	4/7/21		7.97	28.5	1178	375
IW-2A	216464	4/21/22		8.27	28.6	984	313
IW-3A	201732	11/15/06		NM	NM	NM	1590
IW-3A	201732	4/3/07		7.29	25.1	1374	1540
IW-3A	201732	7/16/07		6.85	29.8	1184	1500
IW-3A	201732	1/16/08		7.20	27.4	1280	1490
IW-3A	201732	4/22/08		7.03	29.3	1224	1420
IW-3A	201732	7/23/08		6.62	29.3	1789	1460
IW-3A	201732	10/27/08		6.97	28.7	1679	1450
IW-3A	201732	1/27/09		6.82	23.1	1520	1550
IW-3A	201732	1/27/09	DUP	6.82	23.1	1520	1310
IW-3A	201732	4/20/09		6.69	27.2	1448	1400
IW-3A	201732	4/12/10		6.55	27.5	1380	1500
IW-3A	201732	5/11/11		6.75	25.6	2260	1650
IW-3A	201732	6/20/12		6.51	275.0	3170	1700
IW-3A	201732	5/14/13		7.01	27.7	2660	1600
IW-3A	201732	4/14/14		7.34	25.9	1757	1720
IW-3A	201732	4/1/15		7.55	26.2	1619	1820
IW-3A	201732	4/19/17		7.79	27.2	3450	1900
IW-3A	201732	4/23/19		7.67	25.0	1769	1910
IW-3A	201732	5/26/20		7.94	27.4	3318	1620
IW-3A	201732	5/3/21		8.30	26.3	3403	1710
IW-4	623132	1/18/07		6.81	22.4	2210	1590
IW-4	623132	1/18/07		6.81	22.4	2210	1610
IW-4	623132	4/11/07		6.6	28.2	1252	1600
IW-4	623132	7/18/07		6.61	29.1	1462	1450
IW-4	623132	1/16/08		7.00	25.2	1326	1590
IW-4	623132	4/22/08		6.59	28.6	1264	1540
IW-4	623132	7/23/08		6.70	31.0	1899	1640
IW-4	623132	10/24/08		6.92	27.9	1924	1630
IW-4	623132	1/27/09		6.58	23.9	1718	1460
IW-4	623132	4/20/09		6.79	25.6	1604	1400
IW-4	623132	4/12/10		6.49	26.8	1483	1600
IW-4	623132	5/11/11		6.57	25.8	3070	1700
IW-4	623132	5/21/12		6.57	27.5	2650	1500
IW-4	623132	4/15/13		6.93	24.2	2750	1800
IW-4	623132	4/14/14		7.01	24.3	1903	1690
IW-4	623132	5/17/16		7.40	25.1	1744	1750
IW-4	623132	8/22/16		7.29	27.7	3593	1830
IW-4	623132	10/4/16		7.69	26.3	3542	1770
IW-4	623132	4/24/18		7.67	26.1	2686	1870
IW-4	623132	4/24/18	DUP	7.67	26.1	2686	1750
IW-4	623132	4/21/22		8.24	25.7	3143	1730
IW-5	623133	1/16/07		7.34	23.1	1511	1710
IW-5	623133	7/18/07		6.82	27.0	1716	1610
IW-5	623133	1/16/08		7.11	24.1	1380	1690
IW-5	623133	4/21/08		6.64	27.5	1326	1550
IW-5	623133	7/23/08		6.76	30.1	1370	1730
IW-5	623133	10/27/08		6.57	26.8	1886	1720
IW-5	623133	1/27/09		6.44	19.5	1560	1630
IW-5	623133	4/20/09		6.73	24.7	1635	1600
IW-5	623133	4/12/10		6.59	25.7	1476	1800
IW-5	623133	4/12/10	DUP	6.59	25.7	1476	1700
IW-5A	219131	4/20/11		6.78	22.2	3210	1740
IW-5A	219131	5/22/12		6.68	26.6	2880	1600
IW-5A	219131	4/15/13		6.84	24.2	2910	1760
IW-5A	219131	4/15/13	DUP	6.84	24.2	2910	1740
IW-5A	219131	4/14/14		6.96	24.5	3120	1750
IW-6A	545565	11/15/06		NM	NM	NM	1760
IW-6A	545565	1/16/07		7.25	22.5	1562	1800
IW-6A	545565	4/9/07		6.69	26	1627	1830
IW-6A	545565	7/25/07		6.67	24.5	1609	1930

## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
IW-6A	545565	1/16/08		7.21	23.1	1489	1910
IW-6A	545565	1/16/08	DUP	7.21	23.1	1489	1800
IW-6A	545565	4/21/08		7.30	25.4	1309	1920
IW-6A	545565	7/17/08		6.84	27.1	1510	1850
IW-6A	545565	10/24/08		6.61	25.5	1999	1930
IW-6A	545565	1/26/09		6.58	21.9	1959	1600
IW-6A	545565	4/20/09		6.78	25.6	1710	1700
IW-6A	545565	4/12/10		6.99	34.2	1437	1800
IW-6A	545565	5/11/11		6.82	23.4	3390	1900
IW-6A	545565	5/22/12		6.61	27.3	2950	1800
IW-6A	545565	4/15/13		6.86	23.9	3030	1840
IW-6A	545565	4/14/14		6.99	23.4	3270	1890
IW-8	508236	4/3/07		7.11	24.1	1523	1760
IW-8	508236	7/18/07		6.82	29.5	1328	1870
IW-8	508236	1/16/08		7.30	24.3	1386	1900
IW-8	508236	4/22/08		6.86	27.5	1301	1700
IW-8	508236	7/23/08		6.78	27.5	1440	1870
IW-8	508236	10/24/08		6.85	27.4	1976	1890
IW-8	508236	1/27/09		6.38	20.4	1816	1630
IW-8	508236	4/20/09		6.75	25.4	1620	1700
IW-8	508236	4/12/10		6.52	25.6	1547	1900
IW-8	508236	5/11/11		6.67	23.9	1965	1900
IW-8	508236	5/21/12		6.62	28.7	2670	1700
IW-8	508236	5/14/13		6.96	26.9	2800	1700
IW-8	508236	4/1/15		7.47	24.8	1687	1800
IW-8	508236	5/17/16		7.53	24.3	1719	1940
IW-8	508236	8/23/16		7.61	26.0	3666	1880
IW-8	508236	10/4/16		7.75	24.5	3722	1830
IW-8	508236	4/19/17		7.88	24.7	3538	1970
IW-8	508236	4/24/18		7.81	24.4	2812	1950
IW-8	508236	4/7/21		7.83	23.8	3708	1930
IW-8	508236	4/21/22		8.13	23.9	3335	1890
IW-9	508238	11/15/06		NM	NM	NM	1760
IW-9	508238	1/18/07		7.40	22.6	1690	1670
IW-9	508238	4/11/07		6.73	25.1	1424	1750
IW-9	508238	7/18/07		6.78	29.4	1547	1810
IW-9	508238	1/16/08		7.01	26.1	1359	1700
IW-9	508238	4/22/08		6.86	28.5	1328	1670
IW-9	508238	7/23/08		6.88	28.8	1420	1730
IW-9	508238	10/24/08		6.88	28.6	1981	1720
IW-9	508238	10/24/08	DUP	6.88	28.6	1981	1720
IW-9	508238	1/27/09		6.69	21.7	1774	1500
IW-9	508238	4/20/09		6.79	26.9	1585	1600
IW-9	508238	4/12/10		6.95	29.2	1579	1800
IW-9	508238	4/12/10	DUP	6.95	29.2	1579	1800
IW-9	508238	5/26/11		6.95	26.2	3850	1810
IW-9	508238	5/21/12		6.58	29.2	2680	1700
IW-9	508238	4/15/13		6.90	25.6	2880	1730
IW-9	508238	4/14/14		7.20	25.3	1882	1780
IW-9	508238	4/24/18		7.78	25.9	2754	1810
IW-9	508238	4/23/19		7.72	29.0	1608	1690
IW-9	508238	4/7/21		7.75	25.5	3611	1880
IW-9	508238	4/21/22		8.20	25.6	3236	1720
IW-10	508237	11/15/06		NM	NM	NM	1650
IW-10	508237	1/16/07		7.38	23.7	1303	1670
IW-10	508237	4/3/07		7.11	26.7	1520	1750
IW-10	508237	7/18/07		6.78	28.3	1734	1770
IW-10	508237	1/16/08		7.91	24.0	537	1800
IW-10	508237	4/21/08		6.68	27.2	1338	1470
IW-10	508237	7/23/08		6.90	28.4	1460	1740
IW-10	508237	10/24/08		6.77	27.0	1969	1730
IW-10	508237	1/27/09		6.64	20.7	1560	1490
IW-10	508237	4/20/09		6.80	24.8	1607	1600
IW-10	508237	4/12/10		6.61	26.5	1431	1700
IW-10	508237	5/11/11		6.67	24.3	3310	1800
IW-10	508237	5/22/12		6.78	26.9	2890	1700
IW-10	508237	4/15/13		6.85	23.6	2980	1740
IW-10	508237	4/14/14		6.94	23.4	3320	1820
IW-10	508237	4/1/15		7.33	23.1	1894	1870
IW-10	508237	8/22/16		7.18	24.8	3769	2010



## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
IW-10	508237	8/22/16	DUP	7.18	24.8	3769	1970
IW-10	508237	10/3/16		7.42	23.3	3805	1930
IW-10	508237	4/19/17		7.83	23.3	3532	1970
IW-10	508237	4/24/18		7.67	23.9	2810	1960
IW-10	508237	4/22/19		7.74	23.2	1205	1240
IW-10	508237	4/7/21		7.70	24.0	3692	1950
IW-10	508237	4/20/22		7.86	24.9	3345	1740
IW-11	508235	11/21/06		NM	NM	NM	1600
IW-11	508235	1/16/07		7.10	21.7	1516	1700
IW-11	508235	4/9/07		6.76	26.2	1342	1760
IW-11	508235	7/18/07		6.84	26.8	1788	1770
IW-11	508235	1/16/08		7.15	22.3	1370	1800
IW-11	508235	4/21/08		6.53	26	1303	1770
IW-11	508235	4/21/08	DUP	6.53	26	1303	1850
IW-11	508235	7/29/08		6.58	24.4	1830	1720
IW-11	508235	10/24/08		6.89	26.3	1958	2260
IW-11	508235	1/27/09		6.56	19.1	1540	1600
IW-11	508235	4/20/09		6.64	25.1	1632	1600
IW-11	508235	4/12/10		6.63	24.6	1492	1700
IW-11	508235	5/11/11		6.51	25.0	3250	1700
IW-11	508235	5/22/12		6.76	25.5	2810	1600
IW-11	508235	4/15/13		6.82	23.7	2890	1730
IW-11	508235	4/14/14		7.00	22.3	3210	1710
IW-11	508235	4/1/15		7.31	23.2	1915	1790
IW-11	508235	8/22/16		7.32	25.0	3660	1820
IW-11	508235	10/3/16		7.55	24.6	3654	1780
IW-11	508235	4/18/17		7.61	25.1	3462	1830
IW-11	508235	4/18/17	DUP	7.61	25.1	3462	1860
IW-11	508235	4/24/18		7.69	23.2	2642	1810
IW-11	508235	4/22/19		7.82	23.3	1352	1970
IW-11	508235	4/21/20		7.76	23.8	3611	1770
IW-11	508235	4/7/21		7.72	24.1	3612	1790
IW-12	545555	1/16/07		6.93	22.3	1444	1620
IW-12	545555	4/17/07		6.56	25.9	1345	1630
IW-12	545555	7/25/07		6.55	25.2	1483	1700
IW-12	545555	1/16/08		6.87	23.4	1428	1700
IW-12	545555	1/16/08	DUP	6.87	23.4	1428	1700
IW-12	545555	4/11/08		6.51	27.4	1426	1580
IW-12	545555	7/17/08		6.76	28.4	1917	1630
IW-12	545555	10/24/08		6.81	26.5	1879	1520
IW-12	545555	1/26/09		6.70	23.7	1792	1440
IW-12	545555	4/20/09		6.63	26.5	1576	1500
IW-12	545555	4/12/10		6.70	22.8	1579	1500
IW-12	545555	5/11/11		6.74	25.8	3120	1700
IW-12	545555	5/22/12		6.66	27.7	2640	1600
IW-12	545555	5/14/13		6.92	27.2	2540	1500
IW-12	545555	4/14/14		7.02	24.4	2980	1430
IW-12	545555	4/1/15		7.39	24.2	1851	1600
IW-12	545555	5/17/16		7.43	24.7	1920	1930
IW-12	545555	8/22/16		7.51	27.0	3331	1640
IW-12	545555	10/3/16		7.67	26.7	3372	1650
IW-12	545555	4/18/17		7.73	26.7	3205	1680
IW-12	545555	4/22/19		7.93	27.7	1002	1190
IW-12	545555	4/21/20		7.88	24.8	3316	1630
IW-12	545555	4/7/21		7.89	25.1	3318	1690
IW-12	545555	4/20/22		8.36	25.7	3005	1540
IW-13	545556	4/17/07		6.81	25.8	1430	1690
IW-13	545556	7/25/07		6.61	25.1	1560	1780
IW-13	545556	7/25/07		6.61	25.1	1560	1940
IW-13	545556	1/16/08		6.64	24.0	1599	1800
IW-13	545556	4/11/08		6.61	26.8	1502	1800
IW-13	545556	7/17/08		6.6	30	1898	1850
IW-13	545556	10/24/08		6.70	26.1	1999	1930
IW-13	545556	1/26/09		6.49	23.6	1951	1600
IW-13	545556	4/20/09		6.73	27.2	1697	1700
IW-13	545556	4/12/10		6.64	24.1	1669	1900
IW-13	545556	5/11/11		6.70	25.3	3360	1900
IW-13	545556	6/20/12		6.67	25.9	3450	1900
IW-13	545556	4/15/13		6.73	24.9	3030	1760
IW-13	545556	4/14/14		6.99	23.6	3440	1900

## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
IW-13	545556	4/14/14	DUP	6.99	23.6	3440	1730
IW-13	545556	4/1/15		7.25	24.3	2910	1860
IW-13	545556	4/1/15	DUP	7.25	24.3	2910	1930
IW-14	545557	11/15/06		NM	NM	NM	1820
IW-14	545557	1/16/07		6.72	22.4	1484	1790
IW-14	545557	1/16/07		6.72	22.4	1484	1810
IW-14	545557	4/16/07		6.63	24.4	1383	1790
IW-14	545557	7/25/07		6.51	24.7	1462	1910
IW-14	545557	1/16/08		7.03	23.2	1646	1800
IW-14	545557	4/11/08		6.49	26.8	1460	1810
IW-14	545557	7/16/08		6.59	29.9	1901	1870
IW-14	545557	10/24/08		6.51	26.4	1929	1840
IW-14	545557	1/26/09		6.52	23	1869	1600
IW-14	545557	4/20/09		6.66	27.1	1612	1700
IW-14	545557	4/21/10		6.89	24.8	1428	1900
IW-14	545557	5/11/11		7.54	25.7	3460	1900
IW-14	545557	5/22/12		6.48	31.8	2620	1800
IW-14	545557	4/15/13		6.91	24.4	3020	1870
IW-14	545557	4/14/14		7.01	23.1	3490	1730
IW-14	545557	4/1/15		7.24	23.7	1947	1930
IW-14	545557	5/17/16		7.21	24.4	1922	2040
IW-14	545557	4/18/17		7.74	26.2	3587	1980
IW-15	545558	11/15/06		NM	NM	NM	1710
IW-15	545558	1/16/07		7.04	23.9	1420	1730
IW-15	545558	4/16/07		6.82	27.4	1314	1740
IW-15	545558	7/25/07		6.32	26.6	1388	1760
IW-15	545558	1/16/08		7.07	22.3	1561	1740
IW-15	545558	4/11/08		6.42	28.3	1395	1670
IW-15	545558	7/15/08		6.75	31.3	1790	1730
IW-15	545558	10/24/08		6.6	26.0	1892	1850
IW-15	545558	1/27/09		6.86	21.8	1935	1630
IW-15	545558	4/20/09		7.71	28.5	1302	1600
IW-15	545558	4/20/09	DUP	7.71	28.5	1302	1700
IW-15	545558	4/12/10		6.69	25.0	1669	1700
IW-15	545558	5/11/11		7.54	26.2	3270	1800
IW-15	545558	5/11/11	DUP	7.54	26.2	3270	1800
IW-15	545558	5/22/12		6.74	29.4	2850	1800
IW-15	545558	5/14/13		7.03	27.1	2770	1700
IW-15	545558	4/14/14		6.98	23.9	3240	1800
IW-15	545558	4/1/15		6.89	24.7	1927	1860
IW-15	545558	5/17/16		7.09	25.3	1830	2010
IW-15	545558	8/22/16		7.47	27.7	3735	1950
IW-15	545558	10/3/16		7.73	26.1	3781	1880
IW-15	545558	4/18/17		7.66	27.5	3429	1940
IW-16	545559	11/15/06		NM	NM	NM	1730
IW-16	545559	1/16/07		7.18	23.8	1415	1730
IW-16	545559	4/17/07		6.86	26.8	1320	1770
IW-16	545559	4/17/07		6.86	26.8	1320	1790
IW-16	545559	7/25/07		6.63	26.5	1368	1800
IW-16	545559	1/16/08		7.07	23.3	1561	1740
IW-16	545559	4/11/08		6.64	26.4	1404	1770
IW-16	545559	7/15/08		6.52	31.2	1778	1840
IW-16	545559	10/24/08		6.35	25.7	1879	1850
IW-16	545559	1/26/09		6.44	23.9	1773	1620
IW-16	545559	4/20/09		6.69	27.1	1347	1700
IW-16	545559	4/12/10		6.79	25.6	1652	1800
IW-17	545560	11/15/06		NM	NM	NM	1570
IW-17	545560	1/16/07		6.79	21.8	1402	1600
IW-17	545560	4/16/07		6.90	26.3	1303	1670
IW-17	545560	7/25/07		6.61	27.2	1348	1730
IW-17	545560	1/16/08		6.74	16.5	1485	1720
IW-17	545560	4/11/08		6.49	28.5	1398	1730
IW-17	545560	7/15/08		6.63	31.7	1853	1770
IW-17	545560	10/24/08		6.70	27.0	1864	1720
IW-17	545560	1/26/09		6.41	24.1	1828	1480
IW-17	545560	4/20/09		6.77	30.1	1332	1600
IW-17	545560	4/12/10		6.63	26.5	1604	1700
IW-18	545561	11/21/06		NM	NM	NM	1610
IW-18	545561	1/18/07		7.26	15.4	1460	1660
IW-18	545561	4/16/07		6.80	24.9	1161	1610

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### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
IW-18	545561	7/25/07		6.45	28.1	1293	1760
IW-18	545561	1/14/08		6.39	21.9	1899	1700
IW-18	545561	4/11/08		6.61	27.5	1388	1540
IW-18	545561	7/15/08		6.71	30.2	1847	1710
IW-18	545561	10/24/08		6.34	27.1	1883	1680
IW-18	545561	1/26/09		6.39	24.7	1779	1460
IW-18	545561	4/20/09		6.77	29.9	1337	1700
IW-18	545561	4/29/10		6.63	23.7	1455	1600
IW-19	545562	11/21/06		NM	NM	NM	1570
IW-19	545562	1/11/07		7.19	25.1	1802	1630
IW-19	545562	4/16/07		6.69	26.7	1296	1630
IW-19	545562	7/25/07		6.91	26.3	1310	1650
IW-19	545562	1/10/08		6.39	22.4	1881	1800
IW-19	545562	1/10/08	DUP	6.39	22.4	1881	1800
IW-19	545562	4/11/08		6.62	26.3	1409	1680
IW-19	545562	7/15/08		6.78	29.4	1807	1670
IW-19	545562	10/24/08		6.6	28.7	1685	1710
IW-19	545562	1/26/09		6.47	24.3	1852	1370
IW-19	545562	4/20/09		6.82	27.9	1366	1600
IW-19	545562	4/12/10		6.62	26.4	1570	1600
IW-19	545562	5/11/11		6.68	26.6	3200	1700
IW-19	545562	5/22/12		6.56	30.7	2730	1300
IW-19	545562	5/14/13		6.85	28.7	2690	1600
IW-19	545562	4/14/14		7.01	24.5	3170	1780
IW-19	545562	4/1/15		7.43	23.6	1945	1910
IW-19	545562	5/17/16		7.29	25.6	1866	1980
IW-19	545562	10/3/16		7.67	26.0	3666	1790
IW-19	545562	10/3/16	DUP	7.67	26.0	3666	1800
IW-19	545562	4/18/17		7.53	26.9	3467	1890
IW-19	545562	4/24/18		7.61	26.2	2667	1870
IW-19	545562	4/21/20		8.02	25.9	3651	1900
IW-19	545562	4/7/21		7.83	25.1	3630	1940
IW-19	545562	4/20/22		8.42	25.5	3345	1860
IW-19	545562	4/20/22	DUP	8.42	25.5	3345	1790
IW-20	545563	11/21/06		NM	NM	NM	1550
IW-20	545563	1/11/07		7.23	26.4	2360	1630
IW-20	545563	4/9/07		7.07	27.2	1260	1500
IW-20	545563	7/24/07		6.69	30.8	1822	1580
IW-20	545563	1/9/08		6.72	26.4	1710	1700
IW-20	545563	4/11/08		6.74	27.3	1400	1560
IW-20	545563	7/15/08		6.6	29.4	1650	1640
IW-20	545563	10/24/08		6.81	28.6	1779	1600
IW-20	545563	1/26/09		6.48	24.1	1837	1450
IW-20	545563	4/20/09		6.76	30.0	1375	1500
IW-20	545563	4/29/10		6.62	24.2	1417	1600
IW-20	545563	5/11/11		7.07	26.3	3080	1600
IW-20	545563	6/20/12		6.67	28.2	3080	1600
IW-20	545563	6/17/13		7.21	31.1	1785	1900
IW-20	545563	6/17/13	DUP	7.21	31.1	1785	1800
IW-20	545563	4/14/14		7.04	26.2	3220	1690
IW-20	545563	4/1/15		7.07	26.2	1977	1700
IW-21	545564	11/21/06		NM	NM	NM	1580
IW-21	545564	1/11/07		7.15	27.8	1848	1620
IW-21	545564	4/17/07		6.85	29.4	1424	1650
IW-21	545564	7/24/07		6.68	30.6	1828	1630
IW-21	545564	1/9/08		6.33	25.4	1975	1800
IW-21	545564	4/11/08		6.85	24.6	1375	1610
IW-21	545564	4/11/08	DUP	6.85	24.6	1375	1610
IW-21	545564	7/29/08		6.49	29	1780	1670
IW-21	545564	10/24/08		6.91	29.7	1833	1640
IW-21	545564	1/26/09		6.59	25.7	1410	1390
IW-21	545564	4/20/09		6.83	30.7	1422	1600
IW-21	545564	4/12/10		6.72	28.1	1621	1700
IW-21	545564	5/11/11		6.77	29.6	3140	1700
IW-21	545564	6/20/12		6.65	29.2	3130	1700
IW-21	545564	4/15/13		6.94	28.8	2840	1690
IW-21	545564	4/14/14		7.18	28.2	3170	1720
IW-21	545564	5/17/16		7.11	28.2	1887	1990
IW-21	545564	5/17/16	DUP	7.11	28.2	1887	1990
IW-21	545564	8/22/16		7.26	29.6	3520	1790

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### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
IW-21	545564	10/3/16		7.55	29.7	3446	1700
IW-21	545564	4/24/18		7.46	29.2	2412	1710
IW-21	545564	4/20/22		7.89	28.2	3180	1680
IW-22	200554	11/21/06		NM	NM	NM	1710
IW-22	200554	1/23/07		6.90	22.1	1253	1660
IW-22	200554	4/9/07		7.09	26	1325	1740
IW-22	200554	7/18/07		6.99	28.1	1683	1790
IW-22	200554	1/16/08		7.19	23.1	1378	1700
IW-22	200554	4/21/08		6.53	28.7	1362	1760
IW-22	200554	4/21/08	DUP	6.53	28.7	1362	1410
IW-22	200554	7/23/08		6.86	28.9	1370	1760
IW-22	200554	10/24/08		6.89	26.4	1929	1720
IW-22	200554	1/27/09		6.58	19.9	1570	1610
IW-22	200554	4/20/09		6.77	25.5	1635	1700
IW-22	200554	4/12/10		6.59	25.4	1472	1800
IW-22	200554	5/11/11		6.75	24.5	3290	1800
IW-22	200554	5/22/12		6.72	26.6	2870	1600
IW-22	200554	4/15/13		7.19	22.5	2990	1810
IW-22	200554	4/14/14		7.05	22.5	3240	1620
IW-22	200554	4/1/15		7.36	23.7	1874	1770
IW-22	200554	5/17/16		7.41	24.3	1915	1930
IW-22	200554	9/6/16		7.02	24.5	3595	1850
IW-22	200554	10/3/16		7.52	24.6	3751	1730
IW-22	200554	4/18/17		7.64	25.6	3534	1890
IW-22	200554	4/21/20		7.70	23.7	3692	1860
IW-22	200554	4/7/21		7.63	24.3	3665	1850
IW-22	200554	4/7/21	DUP	7.63	24.3	3665	1840
IW-22	200554	4/20/22		8.12	26.1	3264	1840
IW-22	200554	4/20/22	DUP	8.12	26.1	3264	1720
IW-23	200555	11/21/06		NM	NM	NM	1540
IW-23	200555	1/23/07		6.6	22.8	1249	1640
IW-23	200555	4/11/07		6.88	26.7	1528	1670
IW-23	200555	7/25/07		6.49	24.7	1541	1670
IW-23	200555	1/16/08		7.17	24.3	1303	1680
IW-23	200555	4/21/08		6.71	28.6	1314	1710
IW-23	200555	7/23/08		6.84	27.5	1420	1730
IW-23	200555	10/24/08		6.81	27.9	1966	1780
IW-23	200555	1/27/09		6.52	19.9	1963	1650
IW-23	200555	4/20/09		6.82	25.4	1607	1700
IW-23	200555	4/12/10		6.81	26.6	1491	1700
IW-23	200555	5/11/11		6.83	24.6	3280	1800
IW-23	200555	5/22/12		6.72	28.9	2700	1600
IW-23	200555	4/15/13		6.79	24.0	2930	1800
IW-23	200555	4/14/14		6.95	23.9	3180	1800
IW-23	200555	4/1/15		7.35	23.7	1838	1890
IW-23	200555	4/21/22		7.92	24.4	3275	1690
IW-24	200556	7/18/07		6.78	29.0	1739	1790
IW-24	200556	1/16/08		7.06	24.2	1387	1700
IW-24	200556	4/22/08		6.68	28.7	1141	1650
IW-24	200556	4/22/08	DUP	6.68	28.7	1141	1750
IW-24	200556	7/23/08		6.68	30.7	1420	1730
IW-24	200556	10/24/08		6.71	28.1	1058	1640
IW-24	200556	1/27/09		6.43	21.3	1510	1560
IW-24	200556	4/20/09		6.79	25.6	1604	1600
IW-24	200556	4/20/09	DUP	6.79	25.6	1604	1500
IW-24	200556	4/12/10		6.70	27.1	1450	1600
IW-24	200556	5/11/11		6.76	24.6	3260	1700
IW-24	200556	5/22/12		6.47	27.3	2800	1700
IW-24	200556	4/15/13		6.83	24.4	2800	1900
IW-24	200556	4/14/14		7.06	25.0	1958	1710
IW-24	200556	4/14/14	DUP	7.06	25.0	1958	1760
IW-24	200556	4/1/15		7.50	24.1	1732	1760
IW-24	200556	5/17/16		7.44	24.1	1814	1920
IW-24	200556	8/22/16		7.40	25.9	3672	1770
IW-24	200556	10/3/16		7.63	26.1	3684	1760
IW-24	200556	4/19/17		7.85	24.7	3475	1910
IW-24	200556	4/21/22		8.41	23.3	3308	1710
IW-25	219596	4/15/13		7.01	27.6	932	390
IW-25	219596	4/14/14		7.56	27.9	688	348
IW-25	219596	5/17/16		7.39	28.1	1740	1220



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Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
IW-25	219596	5/17/16	DUP	7.39	28.1	1740	1180
IW-25	219596	10/4/16		7.60	27.9	2927	1300
IW-25	219596	4/19/17		7.80	29.3	2638	1320
IW-25	219596	4/24/18		7.69	29.2	2262	1440
IW-25	219596	4/23/19		7.53	28.8	1573	1560
IW-25	219596	4/7/21		7.83	28.4	2209	1000
IW-25	219596	4/21/22		8.09	28.0	2157	1050
IW-25	219596	4/21/22	DUP	8.09	28.0	2157	1060
IW-26	219143	4/15/13		7.00	25.6	2620	1700
IW-26	219143	4/1/15		7.53	27.3	1683	1630
IW-26	219143	5/17/16		7.57	26.2	1720	1750
IW-26	219143	8/22/16		7.46	27.9	3308	1670
IW-26	219143	10/4/16		7.61	29.9	3243	1440
IW-26	219143	4/19/17		7.85	22.0	3345	1780
IW-26	219143	4/24/18		7.68	26.6	2664	1770
IW-26	219143	4/23/19		7.81	31.7	1543	1520
IW-26	219143	5/26/20		8.04	27.8	3460	1750
IW-26	219143	4/7/21		7.84	26.4	3504	1770
IW-26	219143	4/21/22		8.06	25.9	3162	1620
IW-27	219136	4/14/14		7.16	22.4	3210	1760
IW-27	219136	4/1/15		7.41	25.6	1683	1670
IW-27	219136	4/1/15	DUP	7.41	25.6	1683	1710
IW-27	219136	5/17/16		7.46	25.3	1740	1930
IW-27	219136	8/22/16		7.33	26.2	3593	1820
IW-27	219136	10/3/16		7.45	25.6	3624	1790
IW-27	219136	4/19/17		7.75	25.4	3363	1810
IW-27	219136	4/24/18		7.60	25.7	2671	1830
IW-27	219136	4/24/19		7.74	25.3	1788	1890
IW-27	219136	4/21/20		7.73	24.8	3530	1770
IW-27	219136	4/7/21		7.74	25.5	3539	1730
IW-27	219136	4/21/22		8.46	25.9	3107	1620
IW-28	219137	4/15/13		7.03	24.2	2930	1720
IW-28	219137	4/14/14		7.08	25.0	3230	1740
IW-28	219137	4/1/15		7.48	25.8	1807	1730
IW-28	219137	5/17/16		7.33	25.3	1829	1840
IW-28	219137	8/22/16		7.43	26.9	3582	1780
IW-28	219137	10/3/16		7.53	26.0	3583	1740
IW-28	219137	4/19/17		7.73	25.9	3398	1860
IW-28	219137	4/24/18		7.72	25.5	2699	1820
IW-28	219137	4/22/19		7.63	26.0	1470	1890
IW-28	219137	4/7/21		7.65	25.1	3618	1910
IW-28	219137	4/20/22		8.00	26.0	3253	1720
IW-29	222865	5/12/14		NM	NM	NM	1680
IW-29	222865	4/1/15		7.28	26.5	1758	1750
IW-29	222865	10/3/16		7.53	26.4	3459	1630
IW-29	222865	4/19/17		7.80	26.1	3254	1750
IW-29	222865	4/24/18		7.67	25.9	2606	1760
IW-29	222865	4/22/19		7.64	26.3	1509	1540
IW-29	222865	4/22/19	DUP	7.64	26.3	1509	1310
IW-29	222865	4/21/20		7.71	24.9	3488	1750
IW-29	222865	4/7/21		7.68	25.6	3501	1790
IW-29	222865	4/20/22		7.92	26.4	3117	1640
M-8	087390	12/6/06		7.50	25.5	380	NA
M-8	087390	12/6/06		7.60	NM	380	NA
M-8	087390	4/16/07		7.87	23.1	424	<0.5
M-8	087390	7/11/07		7.67	28.2	415	16.5
M-8	087390	1/9/08		7.68	23.7	458	50
M-8	087390	4/15/08		6.85	28	362	28.7
M-8	087390	7/25/08		7.62	27	398	24.5
M-8	087390	10/28/08		7.67	27.8	406	26.3
M-8	087390	10/28/08	DUP	7.67	27.8	406	26.2
M-8	087390	1/20/09		7.49	25.2	397	36.8
M-8	087390	5/12/09		7.62	26.8	387	29.6
M-8	087390	11/5/09		7.61	26.6	382	31.4
M-8	087390	5/28/10		7.63	26.9	448	45.1
M-8	087390	10/21/10		7.64	25.5	435	46.9
M-8	087390	6/15/11		7.57	26.1	501	59.3
M-8	087390	11/17/11		7.88	23.6	522	84.577
M-8	087390	6/29/12		7.73	27.9	417	24
M-8	087390	10/29/12		7.62	25.7	419	16.45

## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
M-8	087390	4/17/13		7.74	27.1	567	140.61
M-8	087390	5/21/13		7.78	27.0	374	28.85
M-8	087390	10/29/13		7.61	25.6	258	18.3
M-8	087390	4/22/14		7.85	23.4	351	20.2
M-8	087390	11/4/14		7.85	25.4	445	19.6
M-8	087390	4/6/15		7.96	27.7	293	20.6
M-8	087390	8/25/16		7.81	26.4	439	36.4
M-8	087390	10/27/16		8.12	26.8	453	35.0
M-8	087390	1/17/17		8.22	25.1	417	29.8
M-8	087390	5/8/17		8.04	26.8	571	32.4
M-8	087390	7/10/17		8.02	27.4	449	34.0
M-8	087390	10/2/17		8.08	26.9	537	40.3
M-8	087390	1/9/18		8.15	26.1	956	267.0
M-8	087390	3/29/18		8.08	27.4	540	130
M-8	087390	5/9/18		7.88	27.8	477	102
M-8	087390	11/6/18		8.33	27.1	311	55.8
M-8	087390	4/16/19		8.26	28.0	347	54.2
M-9	501652	1/17/07		7.5	26.0	460	NA
M-9	501652	7/11/07		7.72	27.0	334	NA
M-9	501652	1/8/08		7.67	26.7	480.7	65
M-9	501652	1/8/08		6.51	25.7	533	80
M-9	501652	4/14/08		7.74	27.8	422	67.2
M-9	501652	7/21/08		7.52	29.5	485	68.7
M-9	501652	10/28/08		7.66	30.3	503	74.8
M-9	501652	1/20/09		7.64	24.1	470	81.6
M-9	501652	5/13/09		7.54	27.3	487	80.2
M-9	501652	7/14/09		7.60	27.0	420	81.7
M-9	501652	6/16/10		7.63	26.6	511	77
M-9	501652	6/2/11		7.59	27.1	525	75
M-9	501652	6/27/12		7.26	27.4	581	81
M-9	501652	5/1/13		7.81	26.5	461	66.05
M-9	501652	4/22/14		7.82	26.2	550	106.00
M-9	501652	1/20/15		7.92	25.8	490	74.00
M-9	501652	4/6/15		7.83	25.3	346	57.8
M-9	501652	2/9/16		7.73	25.7	374	39.8
M-9	501652	2/9/16	DUP	7.73	25.7	374	39.1
M-9	501652	4/25/16		7.80	25.2	374	49.0
M-9	501652	8/24/16		8.64	25.3	253	10.6
M-9	501652	1/11/17		8.38	23.2	234	3.0
M-9	501652	5/8/17		8.38	24.5	198.3	<1
M-9	501652	7/10/17		8.30	27.9	231	<0.50
M-9	501652	10/2/17		8.20	27.0	279	<0.40
M-9	501652	1/9/18		8.33	25.4	141	1.58
M-9	501652	5/9/18		8.17	27.4	305	3.10
M-9	501652	4/15/19		8.30	27.1	260	<0.40
M-9	501652	4/23/20		9.38	28.8	256	11.8
M-10	501653	7/19/06		NM	NM	NM	66
M-10	501653	1/16/07		7.9	29.0	440	NA
M-10	501653	4/16/07		7.97	28.2	475	72.6
M-10	501653	7/12/07		8.05	27.0	322	NA
M-10	501653	1/8/08		7.91	24.8	537	73
M-10	501653	4/15/08		7.99	27.6	428	81
M-10	501653	7/21/08		7.69	31	489	89.8
M-10	501653	10/28/08		8.08	28.1	521	97.1
M-10	501653	1/20/09		7.91	29	467	95
M-10	501653	5/12/09		7.77	26.9	487	97
M-10	501653	7/14/09		7.20	25.0	420	96
M-10	501653	11/5/09		7.13	30.5	479	110
M-10	501653	11/5/09	DUP	7.13	30.5	479	107
M-10	501653	5/28/10		7.83	30.1	497	121
M-10	501653	10/21/10		7.76	27.1	585	139
M-10	501653	5/10/11		7.86	28.9	641	149
M-10	501653	11/16/11		8.04	27.6	612	162
M-10	501653	6/25/12		7.61	29.8	162	162
M-10	501653	10/29/12		7.88	27.0	645	158
M-10	501653	4/17/13		7.90	28.9	618	170.32
M-10	501653	10/29/13		7.94	27.3	431	164
M-10	501653	4/22/14		8.16	25.4	585	165
M-10	501653	11/4/14		8.34	25.2	472	114
M-10	501653	1/19/15		8.48	25.9	611	151

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### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
M-10	501653	1/19/15	DUP	8.48	25.9	611	157
M-10	501653	4/6/15		8.14	28.6	560	166
M-10	501653	12/5/16		8.57	27.9	723	176
M-10	501653	1/17/17		8.70	27.4	756	202
M-10	501653	5/8/17		8.72	26.5	712	174
M-10	501653	7/10/17		8.73	28.3	493	135
M-10	501653	10/2/17		8.04	26.4	610	154
M-10	501653	10/2/17	DUP	8.04	26.4	610	154
M-10	501653	1/9/18		8.83	26.1	541	159
M-10	501653	1/9/18	DUP	8.83	26.1	541	168
M-10	501653	5/9/18		8.75	27.0	522	154
M-10	501653	11/6/18		8.58	29.4	673	297
M-10	501653	4/5/19		9.02	26.8	492	217
M-10	501653	10/29/19		8.51	28.9	822	234
M-10	501653	4/23/20		8.45	28.6	897	208
M-10	501653	4/23/20	DUP	8.45	28.6	897	222
M-10	501653	11/4/20		8.53	29.9	893	226
M-10	501653	5/18/21		8.36	28.7	870	227
M-10	501653	10/21/21		8.19	30.5	866	216
M-10	501653	5/2/22		8.54	29.8	793	222
M-10	501653	10/17/22		8.42	29.6	674	189
M-20	906595	3/22/07		7.10	27.0	3500	NA
M-20	906595	7/12/07		7.44	27.0	1970	NA
M-20	906595	1/9/08		7.15	25.6	1853	1750
M-20	906595	1/9/08		7.29	26.3	2878	1500
M-20	906595	4/14/08		7.18	27	1277	1550
M-20	906595	7/25/08		6.99	27.6	1857	1550
M-20	906595	10/28/08		7.03	28.2	1688	1660
M-20	906595	1/20/09		6.95	27.1	1506	1760
M-20	906595	5/12/09		6.88	28.0	1501	1580
M-20	906595	5/28/10		7.22	28.2	3050	1620
M-20	906595	5/9/11		7.29	27.8	2790	1710
M-20	906595	6/26/12		7.15	28.3	3050	1722.9
M-20	906595	4/23/13		7.50	26.6	2720	1801.6
M-20	906595	4/22/14		9.25	26.2	2590	1460
M-20	906595	4/22/14	DUP	9.25	26.2	2590	1440
M-20	906595	4/27/15		7.58	27.9	2770	1720
M-20	906595	4/26/16		7.67	28.0	2600	1750
M-20	906595	5/8/17		8.88	26.7	2892	1470
M-20	906595	6/21/18		7.90	28.3	1667	824
M-20	906595	4/16/19		8.45	25.3	1152	1260
M-20	906595	4/24/20		9.25	29.0	2435	1280
M-20	906595	5/13/21		9.18	29.2	2470	898
M-20	906595	5/6/22		9.57	27.1	2329	1220
MC-1	221660	2/4/14		7.57	25.4	3080	1620
MC-1	221660	4/15/14		7.55	27.2	1797	1680
MC-1	221660	7/9/14		6.97	28.2	2850	1750
MC-1	221660	11/11/14		7.10	26.9	2970	1750
MC-1	221660	1/12/15		7.46	26.1	2960	1660
MC-1	221660	4/2/15		7.45	26.9	1513	1710
MC-1	221660	7/15/15		6.51	29.1	2890	1810
MC-1	221660	11/3/15		7.53	25.8	1587	1670
MC-1	221660	1/5/16		7.09	25.1	1724	1730
MC-1	221660	5/16/16		7.40	27.7	1584	1680
MC-1	221660	8/22/16		7.38	27.8	3357	1700
MC-1	221660	4/17/17		7.72	27.7	3156	1680
MC-1	221660	4/26/18		7.64	27.8	2592	1680
MC-1	221660	4/22/19		7.74	26.5	1268	1710
MC-1	221660	5/26/20		7.88	26.9	3437	1630
MC-1	221660	4/25/22		8.17	27.4	3081	1660
MC-2	221761	2/4/14		7.61	25.4	2630	1330
MC-2	221761	4/15/14		7.45	27.3	1546	1320
MC-2	221761	7/9/14		6.93	28.6	2410	1360
MC-2	221761	11/11/14		7.13	27.5	1922	1260
MC-2	221761	1/12/15		7.59	26.8	1697	1200
MC-2	221761	4/2/15		7.49	26.5	1368	1200
MC-2	221761	7/15/15		7.59	29.4	2220	1290
MC-2	221761	11/3/15		7.53	26.5	1497	1110
MC-2	221761	11/3/15	DUP	7.53	26.5	1497	1120
MC-2	221761	1/5/16		7.17	25.7	1515	1190

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### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MC-2	221761	5/16/16		7.56	28.1	1329	1150
MC-2	221761	8/22/16		7.51	28.8	2502	1120
MC-2	221761	4/18/17		7.66	29.4	2301	1010
MC-2	221761	5/2/18		7.70	28.1	1783	1000
MC-2	221761	4/18/19		7.74	27.3	1190	989
MC-2	221761	4/18/19	DUP	7.74	27.3	1190	1060
MC-2	221761	5/26/20		7.88	29.1	2583	1130
MC-2	221761	5/26/20	DUP	7.88	29.1	2583	1100
MC-2	221761	4/7/21		7.93	27.8	2258	951
MC-2	221761	4/25/22		8.16	28.7	1993	948
MC-3	221661	2/4/14		7.46	24.6	2690	1380
MC-3	221661	4/15/14		7.68	27.9	1555	1350
MC-3	221661	7/9/14		6.91	28.7	2480	1510
MC-3	221661	11/11/14		7.14	27.2	2610	1440
MC-3	221661	1/12/15		7.61	26.8	1794	1350
MC-3	221661	4/2/15		7.52	26.7	1338	1390
MC-3	221661	7/15/15		7.44	29.8	2400	1410
MC-3	221661	11/4/15		7.48	25.0	1507	1370
MC-3	221661	1/6/16		7.25	24.5	1590	1420
MC-3	221661	5/16/16		7.57	27.9	1353	1410
MC-3	221661	8/22/16		7.45	29.1	2831	1410
MC-3	221661	4/17/17		7.50	26.5	1461	1370
MC-3	221661	4/17/17	DUP	7.50	26.5	1461	1370
MC-3	221661	6/29/18		7.77	28.4	2194	1340
MC-3	221661	4/22/19		7.98	28.1	1163	1310
MC-3	221661	5/26/20		7.91	28.6	2815	1390
MC-3	221661	4/7/21		7.85	27.4	2710	1320
MC-3	221661	4/25/22		8.03	29.0	2483	1310
MC-4	220842	2/4/14		7.11	25.9	2440	1210
MC-4	220842	4/15/14		7.64	29.2	1437	1160
MC-4	220842	7/9/14		6.76	29.2	2320	1300
MC-4	220842	7/9/14	DUP	6.76	29.2	2320	1310
MC-4	220842	11/11/14		7.06	27.9	1926	1280
MC-4	220842	1/12/15		7.58	27.9	1665	1220
MC-4	220842	4/2/15		7.45	27.6	1310	1230
MC-4	220842	7/15/15		7.49	31.0	2280	1220
MC-4	220842	11/4/15		7.48	26.3	1490	1240
MC-4	220842	1/6/16		7.23	26.5	1547	1350
MC-4	220842	5/16/16		7.49	28.4	1330	1340
MC-4	220842	8/22/16		7.39	29.9	2756	1320
MC-4	220842	4/17/17		7.46	27.4	1277	1340
MC-4	220842	5/1/18		7.70	29.2	2157	1370
MC-4	220842	5/23/19		7.87	28.3	738	1340
MC-4	220842	5/26/20		7.83	29.7	2760	1320
MC-4	220842	4/7/21		7.72	28.8	2885	1450
MC-4	220842	4/25/22		7.90	29.9	2651	1420
MH-10	803636	11/8/06		NM	NM	NM	1330
MH-10	803636	1/9/07		6.70	28.5	1717	1310
MH-10	803636	4/3/07		6.86	30.2	1267	1360
MH-10	803636	7/16/07		6.87	31.4	1138	1410
MH-10	803636	1/3/08		6.41	24.8	1626	1430
MH-10	803636	4/28/08		6.60	31	973	1460
MH-10	803636	7/31/08		7.07	32.5	1827	1550
MH-10	803636	11/4/08		7.02	26.0	1856	1450
MH-10	803636	1/2/09		6.54	26.1	1798	1400
MH-10	803636	4/14/09		6.62	28.1	1260	1260
MH-10	803636	4/26/10		7.05	29.9	1365	1500
MH-10	803636	4/26/10	DUP	7.05	29.9	1365	1400
MH-10	803636	5/18/11		7.03	27.4	2900	1600
MH-10	803636	6/5/12		6.88	29.3	2910	1500
MH-10	803636	6/10/13		7.17	30.2	1791	1720
MH-10	803636	4/23/14		7.05	26.8	2910	1540
MH-10	803636	4/14/15		7.10	28.5	1389	1560
MH-10	803636	6/8/16		7.04	28.4	1439	1560
MH-10	803636	5/4/17		7.72	27.4	2722	1580
MH-10	803636	4/23/18		7.63	27.2	2692	1480
MH-10	803636	4/17/19		8.01	27.0	1205	1170
MH-10	803636	5/8/20		8.60	27.9	2594	1200
MH-10	803636	5/13/21		8.67	27.8	2701	1350
MH-10	803636	5/5/22		8.39	27.1	1599	633



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Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	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
MH-11	803637	4/10/07		7.02	28.3	1327	1580
MH-11	803637	7/17/07		6.87	28.8	1848	1650
MH-11	803637	1/4/08		6.44	26.3	1690	1560
MH-11	803637	4/29/08		6.48	30.2	959	1700
MH-11	803637	7/29/08		6.97	32.2	1767	1550
MH-11	803637	11/7/08		7.01	27.1	1350	1560
MH-11	803637	1/16/09		7.04	27.5	1454	1400
MH-11	803637	5/13/09		6.62	31.0	1569	1500
MH-11	803637	4/27/10		6.61	29.3	1382	1400
MH-11	803637	5/24/11		6.77	27.4	2650	1500
MH-11	803637	5/30/12		6.83	30.3	2730	1440
MH-11	803637	4/23/13		7.34	27.7	2410	1480
MH-11	803637	4/29/14		7.12	27.6	1946	1590
MH-11	803637	4/16/15		7.14	27.9	2060	1550
MH-11	803637	5/18/16		7.17	27.1	2140	1810
MH-11	803637	5/10/17		7.82	27.0	2807	1640
MH-11	803637	5/2/18		7.58	26.8	2670	1290
MH-11	803637	4/17/19		7.81	26.6	1329	1690
MH-11	803637	4/15/20		7.73	26.5	3090	1690
MH-11	803637	5/13/21		8.06	27.7	3342	1690
MH-11	803637	5/6/22		8.61	27.0	2972	1540
MH-13A	904071	11/10/06		NM	NM	NM	1680
MH-13A	904071	1/24/07		7.87	25.0	1458	1700
MH-13A	904071	4/18/07		7.1	27.4	1609	1720
MH-13A	904071	7/17/07		6.98	28.1	1553	1760
MH-13A	904071	1/4/08		6.97	26.1	1810	1710
MH-13A	904071	4/29/08		7.09	28.8	1174	1800
MH-13A	904071	7/16/08		7.03	27.4	1824	1720
MH-13A	904071	7/16/08	DUP	7.03	27.4	1824	1710
MH-13A	904071	10/20/08		7.07	27.7	1984	1800
MH-13A	904071	1/23/09		6.84	25.1	1510	1700
MH-13A	904071	4/15/09		7.12	25.6	1643	1650
MH-13A	904071	4/21/10		7.24	25.3	1384	1700
MH-13A	904071	5/23/11		7.12	26.9	3450	1840
MH-13A	904071	6/11/12		7.10	27.6	3340	1680
MH-13A	904071	4/3/13		7.20	25.9	2870	1760
MH-13A	904071	4/10/14		10.34	22.9	1820	1190
MH-13A	904071	4/22/15		9.19	24.6	1322	1100
MH-13A	904071	4/6/16		9.25	25.4	2567	1050
MH-13A	904071	6/22/17		7.54	27.0	3641	1820
MH-13B	904072	11/10/06		NM	NM	NM	1080
MH-13B	904072	1/24/07		8.07	25.9	1262	1100
MH-13B	904072	4/18/07		7.36	30	1396	1120
MH-13B	904072	7/17/07		7.28	28.5	1786	1150
MH-13B	904072	1/4/08		7.21	27.2	1576	1110
MH-13B	904072	4/29/08		7.26	29.6	985	1110
MH-13B	904072	7/16/08		7.42	31.5	1589	1110
MH-13B	904072	10/20/08		7.34	29.6	1627	1080
MH-13B	904072	1/23/09		7.13	26.6	1639	1130
MH-13B	904072	4/15/09		7.50	25.4	1370	1030
MH-13B	904072	4/15/09	DUP	7.50	25.4	1370	1100
MH-13B	904072	4/21/10		7.57	28.8	1100	1030
MH-13B	904072	5/23/11		7.28	28.3	2400	1090
MH-13B	904072	5/23/11	DUP	7.28	28.3	2400	1110
MH-13B	904072	6/11/12		7.24	29.1	2310	1020
MH-13B	904072	4/3/13		7.42	27.5	1818	1050
MH-13B	904072	4/10/14		9.56	25.7	1510	849
MH-13B	904072	4/22/15		9.54	26.9	1246	903
MH-13B	904072	4/6/16		9.37	27.0	1924	1220
MH-13B	904072	5/1/17		8.83	27.0	2410	1050
MH-13B	904072	5/8/18		8.62	29.4	1732	849
MH-13B	904072	4/18/19		8.83	27.2	1206	840
MH-13B	904072	4/15/20		8.29	27.2	1996	798
MH-13B	904072	5/11/21		8.09	28.1	1907	781
MH-13B	904072	5/16/22		8.92	27.6	1330	620
MH-13C	904073	11/10/06		NM	NM	NM	90
MH-13C	904073	1/24/07		9.12	22.9	450	100
MH-13C	904073	4/18/07		9.2	29.1	379	20
MH-13C	904073	7/17/07		8.78	33.8	380	20

## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MH-13C	904073	1/4/08		8.99	26.6	396	20
MH-13C	904073	5/7/08		8.71	30.4	363	40
MH-13C	904073	7/16/08		8.69	32.01	371	70
MH-13C	904073	10/20/08		8.90	32.8	380	60
MH-13C	904073	1/27/09		7.99	27.3	323	30
MH-13C	904073	4/15/09		8.79	25.9	421	42
MH-13C	904073	4/21/10		8.84	28.0	385	27
MH-13C	904073	5/23/11		8.65	30.4	364	43
MH-13C	904073	6/11/12		8.61	30.7	411	50
MH-13C	904073	4/3/13		8.77	28.3	340	45
MH-13C	904073	4/10/14		9.69	25.6	275	1.2
MH-13C	904073	4/22/15		9.14	26.8	211	0.78
MH-13C	904073	4/6/16		9.23	27.0	241	<0.50
MH-13C	904073	5/1/17		8.89	26.8	286.4	1.18
MH-13C	904073	5/8/18		8.69	29.7	289	24.4
MH-13C	904073	4/17/19		9.40	27.0	235	<0.4
MH-13C	904073	4/15/20		8.76	28.3	384	30.6
MH-13C	904073	5/11/21		8.90	29.0	343	27.8
MH-13C	904073	5/11/22		9.62	29.0	376	9.27
MH-14	528098	4/21/15		7.35	26.6	1459	1650
MH-14	528098	3/9/17		7.67	24.3	3276	1840
MH-14	528098	4/3/17		7.47	26.6	2207	1360
MH-14	528098	7/11/17		7.64	25.5	2890	1830
MH-14	528098	10/18/17		7.75	27.4	2993	1770
MH-14	528098	4/10/18		7.42	28.4	2572	1830
MH-15W	528093	3/9/17		7.81	22.1	3301	1800
MH-15W	528093	3/9/17	DUP	7.81	22.1	3301	1720
MH-15W	528093	4/4/17		7.39	24.1	2436	1490
MH-15W	528093	7/11/17		7.63	22.9	3220	1740
MH-15W	528093	10/19/17		7.86	24.0	3040	1830
MH-15W	528093	4/11/18		7.16	25.7	2765	1830
MH-16W	528099	11/4/14		7.76	23.3	3220	1880
MH-16W	528099	11/4/14	DUP	7.76	23.3	3220	1800
MH-16W	528099	4/21/15		7.36	23.6	1372	1830
MH-16W	528099	3/9/17		7.54	24.7	3350	1900
MH-16W	528099	4/4/17		7.68	23.5	1184	1770
MH-16W	528099	4/4/17	DUP	7.68	23.5	1184	1900
MH-16W	528099	7/11/17		7.70	25.2	3044	1930
MH-16W	528099	10/19/17		8.06	26.2	2457	1480
MH-16W	528099	4/11/18		7.27	26.9	2622	1860
MH-25A	201528	11/13/06		NM	NM	NM	190
MH-25A	201528	1/10/07		8.09	26.0	344	10
MH-25A	201528	4/4/07		7.82	26.6	322	<10
MH-25A	201528	7/20/07		7.63	28.6	431	<10
MH-25A	201528	1/2/08		7.91	25.3	401	10
MH-25A	201528	4/25/08		7.54	27	311	30
MH-25A	201528	7/2/08		7.66	27.6	342	<10
MH-25A	201528	10/17/08		7.84	27.5	333	50
MH-25A	201528	1/5/09		7.75	24.5	336	12
MH-25A	201528	4/15/09		7.81	25.1	350	4
MH-25A	201528	4/13/10		7.76	25.3	334	9
MH-25A	201528	4/27/11		7.76	25.9	358	16
MH-25A	201528	5/1/12		7.83	27.8	376	13
MH-25A	201528	4/3/13		7.69	26.8	335	9
MH-25A	201528	4/15/14		7.92	25.0	265	17
MH-25A	201528	4/7/15		7.82	26.1	268	12.3
MH-25A	201528	4/11/16		7.87	26.0	350	9.67
MH-25A	201528	4/11/16	DUP	7.87	26.0	350	9.93
MH-25A	201528	5/2/17		8.20	25.7	349.1	10.00
MH-25B	208429	11/13/06		NM	NM	NM	1660
MH-25B	208429	1/10/07		7.54	26.1	1440	1680
MH-25B	208429	4/4/07		7.32	28.7	1333	1550
MH-25B	208429	7/20/07		7.16	28.4	1649	1760
MH-25B	208429	1/2/08		7.10	26.5	1900	1730
MH-25B	208429	4/25/08		7.05	28.6	1138	1750
MH-25B	208429	7/2/08		7.04	28.6	1851	1650
MH-25B	208429	10/17/08		7.74	28.8	1768	1660
MH-25B	208429	1/5/09		7.22	24.9	1581	1590
MH-25B	208429	4/15/09		7.25	25.2	1483	1600
MH-25B	208429	4/13/10		7.59	28.1	1120	900

## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MH-25B	208429	4/27/11		7.35	27.0	3050	1810
MH-25B	208429	6/15/11		7.31	29.3	3690	1700
MH-25B	208429	5/1/12		7.31	29.3	1864	1690
MH-25B	208429	4/3/13		7.46	27.9	2620	1700
MH-25B	208429	4/15/14		7.82	26.6	1714	1740
MH-25B	208429	4/7/15		8.00	27.4	1430	1580
MH-25B	208429	9/21/16		8.18	27.5	2688	1190
MH-25B	208429	5/2/17		8.32	27.1	2258	1040
MH-25B	208429	5/2/18		8.61	26.4	1787	916
MH-25B	208429	4/18/19		9.18	26.2	1536	1080
MH-25B	208429	4/22/20		7.87	26.9	2757	1330
MH-25B	208429	5/12/21		8.09	27.5	2988	1460
MH-25B	208429	5/10/22		8.23	26.9	2744	1550
MH-25C	208426	11/13/06		NM	NM	NM	1290
MH-25C	208426	1/10/07		7.46	26.3	1361	1250
MH-25C	208426	4/13/07		7.24	26	1357	1260
MH-25C	208426	7/20/07		7.13	30.2	1599	1240
MH-25C	208426	1/2/08		7.25	28.2	1608	1250
MH-25C	208426	4/25/08		7.20	30	1031	1240
MH-25C	208426	7/2/08		7.13	28.4	1736	1330
MH-25C	208426	10/17/08		7.17	30.4	1624	1270
MH-25C	208426	1/5/09		7.15	27	1466	1250
MH-25C	208426	4/15/09		7.28	26.6	1368	1270
MH-25C	208426	4/13/10		7.24	27.6	1292	1600
MH-25C	208426	4/27/11		8.41	25.1	1874	1290
MH-25C	208426	5/1/12		7.39	29.5	1667	1290
MH-25C	208426	4/3/13		7.44	28.0	1838	1270
MH-25C	208426	4/3/13	DUP	7.44	28.0	1838	1290
MH-25C	208426	4/15/14		7.87	27.6	1411	1090
MH-25C	208426	9/21/16		8.02	29.1	2577	1160
MH-25C	208426	5/2/17		8.27	29.4	2460	1210
MH-25C	208426	5/2/18		8.37	27.4	2196	1060
MH-25C	208426	4/18/19		9.12	27.4	1498	1150
MH-25C	208426	4/22/20		7.93	27.8	2689	1320
MH-25C	208426	5/12/21		8.96	27.2	1740	820
MH-25C	208426	5/10/22		8.42	28.3	2384	1090
MH-26A	201527	11/13/06		NM	NM	NM	10
MH-26A	201527	1/15/07		7.89	26.2	316	<10
MH-26A	201527	4/4/07		7.83	27	325	10
MH-26A	201527	7/19/07		7.80	26.9	428	20
MH-26A	201527	1/2/08		7.72	25.3	395	<10
MH-26A	201527	4/25/08		7.62	25.3	317	100
MH-26A	201527	7/2/08		7.57	27.8	337	20
MH-26A	201527	10/17/08		7.70	27.4	327	20
MH-26A	201527	1/5/09		7.65	26.4	343	13
MH-26A	201527	4/21/09		7.57	26.3	322	10
MH-26A	201527	4/13/10		7.60	26.7	332	8
MH-26A	201527	4/27/11		7.78	25.7	357	8
MH-26A	201527	4/27/11	DUP	7.78	25.7	357	9
MH-26A	201527	5/2/12		7.59	27.5	386	9
MH-26A	201527	4/4/13		7.72	27.0	350	8
MH-26A	201527	4/15/14		7.78	24.3	210	11.6
MH-26B	208427	11/13/06		NM	NM	NM	1560
MH-26B	208427	1/15/07		7.53	26.4	1310	1590
MH-26B	208427	4/4/07		7.31	30.5	1448	1620
MH-26B	208427	7/19/07		7.10	29.0	1652	1590
MH-26B	208427	7/19/07		7.10	29.0	1652	1570
MH-26B	208427	1/2/08		7.09	26.5	1849	1670
MH-26B	208427	4/25/08		6.95	28.8	1095	1630
MH-26B	208427	7/2/08		6.98	29.1	1835	1660
MH-26B	208427	10/20/08		7.16	29.2	1760	1650
MH-26B	208427	1/5/09		7.07	26.4	1661	1540
MH-26B	208427	1/5/09	DUP	7.07	26.4	1661	1500
MH-26B	208427	4/21/09		6.85	28.8	1238	1520
MH-26B	208427	4/13/10		7.27	27.3	1290	1600
MH-26B	208427	5/5/11		7.17	27.2	2910	1710
MH-26B	208427	5/1/12		7.26	29.7	1912	1680
MH-26B	208427	5/1/12	DUP	7.26	29.7	1912	1750
MH-26B	208427	4/4/13		7.26	28.4	2550	1690
MH-26B	208427	4/15/14		7.89	27.2	1661	1570

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### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MH-26B	208427	4/7/15		8.05	27.6	1433	1650
MH-26B	208427	9/21/16		8.14	28.1	3510	1720
MH-26B	208427	5/2/17		9.86	25.8	2810	1420
MH-26B	208427	5/3/18		9.52	26.3	2120	1180
MH-26B	208427	4/18/19		9.27	26.2	1507	1330
MH-26B	208427	4/18/19	DUP	9.27	26.2	1507	1370
MH-26B	208427	4/22/20		9.18	27.6	3011	1600
MH-26B	208427	5/12/21		9.90	25.6	2345	1080
MH-26C	208428	11/13/06		NM	NM	NM	730
MH-26C	208428	1/15/07		7.89	24.6	1059	740
MH-26C	208428	4/4/07		7.58	29.5	1128	720
MH-26C	208428	7/19/07		7.55	30.5	1267	730
MH-26C	208428	7/19/07		7.55	30.5	1267	740
MH-26C	208428	1/2/08		7.68	28.2	1411	740
MH-26C	208428	4/25/08		8.58	27.8	872	580
MH-26C	208428	7/2/08		7.90	30.8	1251	720
MH-26C	208428	7/2/08	DUP	7.90	30.8	1251	720
MH-26C	208428	1/5/09		7.36	25.7	1270	680
MH-26C	208428	4/21/09		7.49	29.6	1034	660
MH-26C	208428	4/13/10		7.57	28.4	1078	770
MH-26C	208428	4/13/10	DUP	7.57	28.4	1078	780
MH-26C	208428	4/27/11		7.59	29.1	1755	810
MH-26C	208428	5/1/12		7.56	30.6	1428	820
MH-26C	208428	4/4/13		7.58	29.3	1533	880
MH-26C	208428	4/15/14		8.08	28.1	1203	909
MH-26C	208428	4/15/14	DUP	8.08	28.1	1203	908
MH-26C	208428	4/7/15		8.06	28.1	1190	970
MH-26C	208428	9/21/16		8.06	29.6	2674	1160
MH-26C	208428	5/2/17		8.82	28.7	2480	1130
MH-26C	208428	5/3/18		8.29	28.7	1959	1080
MH-26C	208428	5/3/18	DUP	8.29	28.7	1959	1130
MH-26C	208428	4/18/19		8.60	28.7	1498	1290
MH-26C	208428	4/22/20		7.89	28.5	2628	1270
MH-26C	208428	5/12/21		9.24	27.3	2038	933
MH-26C	208428	5/11/22		9.18	28.0	2176	981
MH-26C	208428	5/11/22	DUP	9.18	28.0	2176	994
MH-28	903648	11/14/06		NM	NM	NM	1860
MH-28	903648	1/9/07		7.22	25.8	2690	1920
MH-28	903648	4/17/07		6.98	26.1	1359	1920
MH-28	903648	7/16/07		6.89	27.1	1206	1880
MH-28	903648	1/21/08		7.39	23.9	903	1940
MH-28	903648	4/8/08		6.99	25.5	1852	1900
MH-28	903648	7/1/08		6.95	26.62	3322	1680
MH-28	903648	10/6/08		6.97	26.7	3500	1910
MH-28	903648	1/8/09		7.05	25.7	3600	1910
MH-28	903648	4/7/09		6.84	26.4	6300	1860
MH-28	903648	10/13/09		6.88	25.7	1589	1800
MH-28	903648	4/15/10		7.11	25.1	1399	1900
MH-28	903648	10/12/10		6.99	25.3	3460	1820
MH-28	903648	5/17/11		6.94	25.6	3380	2000
MH-28	903648	10/4/11		7.12	25.8	1390	1800
MH-28	903648	5/21/12		6.64	28.8	3360	1600
MH-28	903648	10/9/12		6.97	26.8	2980	1900
MH-28	903648	4/2/13		6.95	26.9	2930	1867.1
MH-28	903648	10/21/13		7.78	25.3	2916	2020
MH-28	903648	4/9/14		7.81	24.4	3365	2020
MH-28	903648	11/4/14		7.63	24.3	3270	1940
MH-28	903648	1/7/15		7.54	24.9	3385	2020
MH-28	903648	4/21/15		7.36	25.2	1571	1820
MH-28	903648	10/8/15		7.52	25.3	1610	1900
MH-28	903648	1/13/16		7.72	24.2	1491	2130
MH-28	903648	4/5/16		7.32	28.1	1660	1760
MH-28	903648	8/16/16		7.55	26.3	3742	1920
MH-28	903648	8/16/16	DUP	7.55	26.3	3742	1960
MH-28	903648	10/26/16		7.60	27.0	3710	1950
MH-28	903648	1/10/17		7.64	25.3	3483	1890
MH-28	903648	4/5/17		7.70	25.6	3591	1800
MH-28	903648	7/6/17		7.70	25.1	3679	1940
MH-28	903648	10/11/17		7.70	25.7	2920	1960
MH-28	903648	4/10/18		7.76	25.8	2735	1970



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### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MH-28	903648	8/7/18		7.56	26.8	1844	1970
MH-28	903648	10/16/18		7.53	25.1	2213	1680
MH-28	903648	10/16/18	DUP	7.53	25.1	2213	1670
MH-28	903648	4/2/19		7.53	25.2	1490	1870
MH-28	903648	10/1/19		7.72	25.3	3721	2000
MH-28	903648	4/2/20		7.86	24.9	3710	1830
MH-28	903648	10/13/20		8.04	25.7	3587	1650
MH-28	903648	4/5/21		7.83	26.4	3721	2050
MH-28	903648	10/7/21		8.12	23.1	3693	1820
MH-28	903648	4/5/22		8.24	26.2	3110	1920
MH-28	903648	4/5/22	DUP	8.24	26.2	3110	1900
MH-28	903648	10/6/22		8.17	23.1	3691	2050
MH-29	903649	11/14/06		NM	NM	NM	1640
MH-29	903649	1/9/07		7.47	25.8	2600	1650
MH-29	903649	1/9/07		7.47	25.8	2600	1660
MH-29	903649	4/17/07		7.01	25.1	1345	1690
MH-29	903649	7/16/07		6.95	27.4	1177	1650
MH-29	903649	1/18/08		7.17	23.5	1045	1710
MH-29	903649	4/8/08		6.98	24.1	1580	1700
MH-29	903649	7/1/08		6.99	25.95	3361	1730
MH-29	903649	10/6/08		6.95	26.9	3300	1740
MH-29	903649	1/9/09		7.03	25.7	9200	1730
MH-29	903649	4/7/09		6.80	26.4	7700	1720
MH-29	903649	4/7/09	DUP	6.80	26.4	7700	1700
MH-29	903649	10/13/09		6.95	25.0	1421	1600
MH-29	903649	10/13/09	DUP	6.95	25.0	1421	1700
MH-29	903649	4/15/10		6.99	24.9	1358	1700
MH-29	903649	10/12/10		7.04	23.9	3290	1520
MH-29	903649	4/20/11		6.98	26.0	2950	1790
MH-29	903649	4/20/11	DUP	6.98	26.0	2950	1770
MH-29	903649	10/4/11		6.91	25.3	1765	1600
MH-29	903649	5/21/12		6.62	26.6	3210	1600
MH-29	903649	10/9/12		6.97	26.3	2710	1700
MH-29	903649	4/2/13		7.06	24.9	2750	1707.1
MH-29	903649	12/11/13		7.31	24.3	1645	1770
MH-29	903649	4/9/14		7.28	23.6	3176	1800
MH-29	903649	11/4/14		7.36	23.6	3260	1870
MH-29	903649	1/7/15		7.36	23.7	3310	1790
MH-29	903649	1/7/15	DUP	7.36	7.0	3310	1940
MH-29	903649	4/21/15		7.54	25.6	1368	1700
MH-29	903649	3/9/17		7.54	22.7	3390	1900
MH-29	903649	4/5/17		7.53	23.9	3436	1800
MH-29	903649	7/6/17		7.56	24.3	3530	1870
MH-29	903649	7/6/17	DUP	7.56	24.3	3530	1850
MH-29	903649	10/11/17		7.43	24.5	2843	1880
MH-29	903649	10/11/17	DUP	7.43	24.5	2843	1880
MH-29	903649	4/10/18		7.54	24.0	2573	1920
MH-29	903649	8/7/18		7.45	24.3	2118	2020
MH-29	903649	10/16/18		7.26	23.7	1936	1630
MH-29	903649	4/2/19		7.43	23.8	1274	1820
MH-29	903649	10/15/19		7.29	24.1	3669	1770
MH-29	903649	10/15/19	DUP	7.29	24.1	3669	1800
MH-29	903649	4/2/20		7.59	24.4	3466	1720
MH-29	903649	10/14/20		8.16	24.3	3576	1660
MH-29	903649	4/5/21		7.98	26.4	3684	1990
MH-29	903649	10/7/21		8.04	23.6	3619	1590
MH-29	903649	4/5/22		8.01	26.3	3140	1670
MH-29	903649	10/6/22		8.04	23.6	3580	1760
MH-30	903884	11/10/06		NM	NM	NM	1690
MH-30	903884	1/9/07		7.33	26.2	2780	1760
MH-30	903884	4/9/07		7.3	27.3	1529	1810
MH-30	903884	7/11/07		7.18	31.9	1694	1820
MH-30	903884	1/18/08		7.13	28.5	1147	1830
MH-30	903884	4/8/08		7.27	27.1	1505	1830
MH-30	903884	7/1/08		7.02	30.73	3740	1660
MH-30	903884	10/6/08		6.95	29.8	3900	1810
MH-30	903884	1/7/09		7.12	28	3600	1840
MH-30	903884	4/7/09		6.81	29.5	3400	1790
MH-30	903884	4/7/09	DUP	6.81	29.5	3400	1800
MH-30	903884	4/15/10		6.96	28.9	1697	1480

## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MH-30	903884	5/17/11		6.95	27.5	3360	1760
MH-30	903884	5/17/11	DUP	6.95	27.5	3360	1750
MH-30	903884	4/26/12		7.05	28.1	1618	1738
MH-30	903884	6/6/13		7.26	29.5	2630	1760
MH-30	903884	6/6/13	DUP	7.26	29.5	2630	1800
MH-30	903884	4/8/14		7.20	27.7	3242	1720
MH-30	903884	4/21/15		7.33	28.6	1574	1750
MH-30	903884	4/5/16		7.24	28.6	1827	1910
MH-30	903884	4/5/16	DUP	7.24	28.6	1827	1830
MH-30	903884	6/1/17		7.44	29.1	3551	1780
MH-30	903884	4/11/18		7.37	28.8	2843	1860
MH-30	903884	4/17/19		7.95	28.3	1621	1980
MH-30	903884	4/15/20		7.67	28.6	3676	1850
MH-30	903884	5/11/21		7.82	29.1	3580	1800
MH-30	903884	5/16/22		7.95	29.3	3270	1810
MO-2007-1A	907342	8/8/07		7.17	29.0	370	19.2
MO-2007-1A	907342	1/24/08		7.83	24.0	370	20
MO-2007-1A	907342	4/9/08		7.42	24.1	383	21
MO-2007-1A	907342	7/14/08		7.41	27.9	359	16.6
MO-2007-1A	907342	10/17/08		7.46	27.7	357	17.9
MO-2007-1A	907342	1/16/09		7.31	22.6	365	18.1
MO-2007-1A	907342	4/1/09		7.55	26.5	387	18.2
MO-2007-1A	907342	7/1/09		7.64	28.5	361	16.3
MO-2007-1A	907342	10/22/09		7.53	26.4	360	16.6
MO-2007-1A	907342	10/22/09	DUP	7.53	26.4	360	16.6
MO-2007-1A	907342	4/16/10		7.52	26.7	357	18.5
MO-2007-1A	907342	10/13/10		7.51	27.5	372	16
MO-2007-1A	907342	5/5/11		7.51	27.4	401	17.9
MO-2007-1A	907342	10/6/11		7.79	23.4	371	16.143
MO-2007-1A	907342	6/12/12		7.40	27.9	371	16.98
MO-2007-1A	907342	10/24/12		7.69	25.1	368	16.5
MO-2007-1A	907342	4/8/13		7.55	25.6	363	17.92
MO-2007-1A	907342	10/23/13		7.72	26.2	246	16.2
MO-2007-1A	907342	4/29/14		7.73	25.6	278	16.2
MO-2007-1A	907342	11/12/14		7.72	25.9	303	16.1
MO-2007-1A	907342	11/12/14	DUP	7.72	25.9	303	16.8
MO-2007-1A	907342	4/22/15		7.76	26.7	273	18.5
MO-2007-1A	907342	10/20/15		7.73	26.1	394	18.2
MO-2007-1A	907342	4/7/16		7.71	25.9	324	18.6
MO-2007-1A	907342	10/5/16		7.86	27.2	388	17.2
MO-2007-1A	907342	3/22/17		7.80	26.7	384.7	18.2
MO-2007-1A	907342	6/6/17		7.75	27.4	393	18.6
MO-2007-1A	907342	10/5/17		7.87	26.9	363	17.0
MO-2007-1A	907342	10/5/17	DUP	7.87	26.9	363	16.6
MO-2007-1A	907342	4/12/18		8.17	26.8	307	17.2
MO-2007-1A	907342	4/12/18	DUP	8.17	26.8	307	17.0
MO-2007-1A	907342	11/19/18		7.72	27.1	302	18.9
MO-2007-1A	907342	4/8/19		7.82	26.6	253	19.2
MO-2007-1A	907342	4/8/19	DUP	7.82	26.6	253	18.9
MO-2007-1A	907342	10/21/19		7.81	25.9	410	17.8
MO-2007-1A	907342	4/16/20		7.97	26.5	423	20.2
MO-2007-1A	907342	10/21/20		7.96	27.4	408	17.4
MO-2007-1A	907342	5/10/21		7.91	26.6	411	18.7
MO-2007-1A	907342	5/10/21	DUP	7.91	26.6	411	19.3
MO-2007-1A	907342	10/4/21		7.82	27.9	416	17.0
MO-2007-1A	907342	4/12/22		8.21	26.4	416	18.2
MO-2007-1A	907342	4/12/22	DUP	8.21	26.4	416	19.3
MO-2007-1A	907342	10/10/22		7.85	28.1	419	21.1
MO-2007-1A	907342	10/10/22	DUP	7.85	28.1	419	21.3
MO-2007-1B	907210	8/2/07		7.41	30.7	319	18.9
MO-2007-1B	907210	1/24/08		7.78	26.9	375	30
MO-2007-1B	907210	4/9/08		7.70	23.1	400	35
MO-2007-1B	907210	7/14/08		7.68	26.6	402	39.8
MO-2007-1B	907210	10/17/08		7.56	28.1	423	54.3
MO-2007-1B	907210	1/16/09		7.49	28.2	427	69.7
MO-2007-1B	907210	4/1/09		7.78	26.4	511	84.1
MO-2007-1B	907210	7/1/09		7.57	30.1	527	99
MO-2007-1B	907210	10/22/09		7.63	28.5	600	143
MO-2007-1B	907210	4/16/10		7.59	26.9	663	212
MO-2007-1B	907210	10/13/10		7.46	28.7	1026	337

## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MO-2007-1B	907210	10/13/10	DUP	7.46	28.7	1026	360
MO-2007-1B	907210	5/5/11		7.42	28.6	1214	479
MO-2007-1B	907210	10/6/11		7.84	24.8	1178	604.67
MO-2007-1B	907210	10/6/11	DUP	7.84	24.8	1178	614.84
MO-2007-1B	907210	6/12/12		6.99	29.0	1664	766.0
MO-2007-1B	907210	10/24/12		7.56	26.2	1460	975.8
MO-2007-1B	907210	4/8/13		7.57	26.5	1577	873.7
MO-2007-1B	907210	10/23/13		8.51	26.3	971	806
MO-2007-1B	907210	4/29/14		8.86	26.3	1522	1070
MO-2007-1B	907210	11/12/14		8.81	26.2	1409	885
MO-2007-1B	907210	4/22/15		8.88	26.9	1136	987
MO-2007-1B	907210	4/22/15	DUP	8.88	26.9	1136	1000
MO-2007-1B	907210	10/20/15		8.91	26.8	1320	990
MO-2007-1B	907210	10/5/16		8.88	27.5	2067	948
MO-2007-1B	907210	3/22/17		8.20	27.8	2264	985
MO-2007-1B	907210	6/6/17		8.50	27.6	1906	886
MO-2007-1B	907210	10/5/17		8.32	27.5	1932	950
MO-2007-1B	907210	4/12/18		8.28	27.3	1306	713
MO-2007-1B	907210	11/19/18		8.18	28.2	1021	670
MO-2007-1B	907210	4/8/19		7.72	27.7	651	509
MO-2007-1B	907210	10/21/19		7.86	26.5	1206	398
MO-2007-1B	907210	4/16/20		8.06	27.4	914	45.5
MO-2007-1B	907210	10/21/20		8.15	28.5	832	232
MO-2007-1B	907210	5/10/21		8.10	27.9	693	149
MO-2007-1B	907210	10/4/21		8.19	28.8	679	160
MO-2007-1B	907210	4/12/22		8.53	27.6	377	71.7
MO-2007-1B	907210	10/10/22		8.22	28.7	690	56.3
MO-2007-1C	907209	7/31/07		7.35	27.9	523	112
MO-2007-1C	907209	1/24/08		7.84	26.9	520	140
MO-2007-1C	907209	4/9/08		7.57	27.3	596	149
MO-2007-1C	907209	4/9/08	DUP	7.57	27.3	596	153
MO-2007-1C	907209	7/14/08		7.64	31.4	608	165
MO-2007-1C	907209	10/21/08		7.80	29.8	573	146
MO-2007-1C	907209	1/16/09		7.17	27.5	652	233
MO-2007-1C	907209	1/16/09	DUP	7.17	27.5	652	218
MO-2007-1C	907209	4/1/09		7.66	27.1	700	229
MO-2007-1C	907209	7/1/09		7.33	30.8	367	236
MO-2007-1C	907209	7/1/09	DUP	7.33	30.8	367	227
MO-2007-1C	907209	10/22/09		7.66	28.1	356	301
MO-2007-1C	907209	4/16/10		7.66	28.5	730	320
MO-2007-1C	907209	10/13/10		7.72	29.1	1004	377
MO-2007-1C	907209	4/20/11		7.28	29.2	1009	381
MO-2007-1C	907209	10/6/11		8.10	25.9	942	393.94
MO-2007-1C	907209	6/12/12		7.05	29.5	1085	406.4
MO-2007-1C	907209	10/24/12		8.40	26.5	694	239.2
MO-2007-1C	907209	10/24/12	DUP	8.40	26.5	694	235.26
MO-2007-1C	907209	4/8/13		7.88	26.4	1017	416.3
MO-2007-1C	907209	10/23/13		8.47	27.9	463	132
MO-2007-1C	907209	4/29/14		8.49	26.8	610	240
MO-2007-1C	907209	4/29/14	DUP	8.49	26.8	610	247
MO-2007-1C	907209	11/12/14		9.18	27.1	284	92.7
MO-2007-1C	907209	4/22/15		8.89	26.3	229	42.4
MO-2007-1C	907209	10/20/15		9.88	27.0	319	5.75
MO-2007-1C	907209	3/22/17		9.65	28.4	271.0	318
MO-2007-1C	907209	6/6/17		8.47	27.6	811	288
MO-2007-1C	907209	10/5/17		8.27	28.3	419	152
MO-2007-1C	907209	4/12/18		8.20	27.5	249	29.6
MO-2007-1C	907209	11/19/18		8.47	28.5	647	317
MO-2007-1C	907209	4/8/19		8.16	28.2	294	89.8
MO-2007-1C	907209	10/21/19		8.14	27.7	981	292
MO-2007-1C	907209	4/16/20		8.56	26.9	587	25.7
MO-2007-1C	907209	10/21/20		8.31	29.9	908	278
MO-2007-1C	907209	5/10/21		8.29	29.1	896	287
MO-2007-1C	907209	10/4/21		8.51	29.7	486	142
MO-2007-1C	907209	4/12/22		9.06	29.2	296	59.9
MO-2007-1C	907209	10/10/22		8.39	29.6	523	32.8
MO-2007-2	906765	6/14/07		7.05	32.2	1372	591
MO-2007-2	906765	8/9/07		7.11	32.2	1271	520
MO-2007-2	906765	1/22/08		7.48	30.9	757	530
MO-2007-2	906765	4/17/08		7.32	29.8	818	473

## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MO-2007-2	906765	7/14/08		7.11	31.3	987	472
MO-2007-2	906765	7/14/08	DUP	7.11	31.3	987	446
MO-2007-2	906765	1/16/09		7.27	30.6	1200	456
MO-2007-2	906765	4/1/09		7.34	28.5	922	458
MO-2007-2	906765	4/13/10		7.17	30.3	855	439
MO-2007-2	906765	4/13/10	DUP	7.17	30.3	855	450
MO-2007-2	906765	4/27/11		7.27	28.7	1249	507
MO-2007-2	906765	4/27/11	DUP	7.27	28.7	1249	503
MO-2007-2	906765	5/2/12		7.30	31.8	1245	543.50
MO-2007-2	906765	4/8/13		7.34	30.1	1164	455.7
MO-2007-2	906765	4/9/14		8.12	30.0	608	254
MO-2007-2	906765	4/9/14	DUP	8.12	30.0	608	248
MO-2007-2	906765	4/7/15		7.56	28.1	510	255
MO-2007-2	906765	4/20/17		8.50	30.6	748	245
MO-2007-2	906765	4/19/18		7.92	27.3	973	371
MO-2007-2	906765	4/24/19		7.98	27.8	897	460
MO-2007-2	906765	4/24/19	DUP	7.98	27.8	897	459
MO-2007-2	906765	4/14/20		8.02	26.7	822	255
MO-2007-2	906765	4/9/21		8.44	27.0	670	202
MO-2007-2	906765	6/29/22		8.06	26.2	1044	450
MO-2007-3B	906816	1/21/08		7.94	26.5	353	40
MO-2007-3B	906816	4/16/08		7.77	28.2	322	37
MO-2007-3B	906816	7/14/08		7.70	30.2	338	37.8
MO-2007-3B	906816	10/22/08		7.69	28.1	379	42.4
MO-2007-3B	906816	10/22/08	DUP	7.69	28.1	379	41.6
MO-2007-3B	906816	1/19/09		7.82	28.1	342	36.9
MO-2007-3B	906816	1/19/09	DUP	7.82	28.1	342	36.4
MO-2007-3B	906816	4/1/09		7.89	25.7	376	38.2
MO-2007-3B	906816	7/27/09		7.78	28.2	353	37.2
MO-2007-3B	906816	10/22/09		7.76	28.0	354	39.1
MO-2007-3B	906816	1/20/10		7.97	27.6	328	37.9
MO-2007-3B	906816	4/14/10		7.83	28.6	336	40.4
MO-2007-3B	906816	7/21/10		7.86	27.7	372	38.7
MO-2007-3B	906816	10/26/10		7.78	26.6	361	39.1
MO-2007-3B	906816	1/18/11		7.83	27.3	353	38.2
MO-2007-3B	906816	5/4/11		7.81	29.3	359	38.1
MO-2007-3B	906816	7/6/11		7.75	30.2	362	38.3
MO-2007-3B	906816	10/5/11		8.04	25.7	395	37.822
MO-2007-3B	906816	11/22/11		8.00	26.1	286	36.7
MO-2007-3B	906816	1/11/12		7.55	27.0	211	39.0
MO-2007-3B	906816	5/8/12		7.88	30.8	329	37.64
MO-2007-3B	906816	8/7/12		7.88	29.1	419	36.26
MO-2007-3B	906816	10/10/12		7.94	28.1	390	37.01
MO-2007-3B	906816	1/8/13		8.10	27.0	374	33.77
MO-2007-3B	906816	4/9/13		8.01	25.5	329	37.54
MO-2007-3B	906816	5/21/13		8.17	26.9	284	26.96
MO-2007-3B	906816	8/27/13		8.59	27.8	204	3.47
MO-2007-3B	906816	8/27/13	DUP	8.59	27.8	204	4.13
MO-2007-3B	906816	10/24/13		8.03	26.1	279	33.8
MO-2007-3B	906816	10/24/13	DUP	8.03	26.1	279	33.9
MO-2007-3B	906816	1/7/14		8.11	24.6	230	2.16
MO-2007-3B	906816	4/16/14		8.91	25.0	153	<0.50
MO-2007-3B	906816	7/9/14		8.98	26.1	155	<0.50
MO-2007-3B	906816	11/13/14		9.40	25.7	167	<0.50
MO-2007-3B	906816	1/21/15		9.07	25.7	259	<0.50
MO-2007-3B	906816	4/27/15		8.58	26.3	278	<0.50
MO-2007-3B	906816	7/7/15		8.46	26.6	274	1.37
MO-2007-3B	906816	10/21/15		9.10	25.8	207	<0.50
MO-2007-3B	906816	1/4/16		8.92	24.6	242	8.41
MO-2007-3B	906816	4/11/16		8.25	26.6	436	11.5
MO-2007-3B	906816	7/6/16		8.19	26.6	290	3.74
MO-2007-3B	906816	8/24/16		9.14	26.4	233	<0.50
MO-2007-3B	906816	10/5/16		8.38	27.3	422	34.9
MO-2007-3B	906816	10/5/16	DUP	8.38	27.3	422	34.3
MO-2007-3B	906816	1/10/17		8.88	26.0	229	<0.5
MO-2007-3B	906816	1/10/17	DUP	8.88	26.0	229	<0.5
MO-2007-3B	906816	5/3/17		8.82	26.7	260.0	<0.50
MO-2007-3B	906816	7/12/17		8.99	27.0	221	<0.50
MO-2007-3B	906816	10/9/17		8.25	27.9	472	37.5
MO-2007-3B	906816	1/10/18		8.29	25.5	243	<0.4



## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MO-2007-3B	906816	4/17/18		8.45	27.9	397	39.1
MO-2007-3B	906816	8/8/18		8.07	28.2	346	39.0
MO-2007-3B	906816	11/28/18		8.17	26.5	238	4.79
MO-2007-3B	906816	2/18/19		8.50	26.4	347	39.1
MO-2007-3B	906816	4/9/19		8.41	27.4	292	24.9
MO-2007-3B	906816	7/17/19		8.59	28.2	279	<5.0
MO-2007-3B	906816	10/22/19		8.92	26.8	266	<5.0
MO-2007-3B	906816	1/16/20		8.66	25.5	314	13.4
MO-2007-3B	906816	1/16/20	DUP	8.66	25.5	314	13.0
MO-2007-3B	906816	4/13/20		8.80	25.7	240	18.4
MO-2007-3B	906816	7/17/20		8.33	27.7	407	45.0
MO-2007-3B	906816	7/17/20	DUP	8.33	27.7	407	42.6
MO-2007-3B	906816	12/8/20		8.12	28.1	402	37.0
MO-2007-3B	906816	1/15/21		8.20	28.0	433	39.3
MO-2007-3B	906816	1/15/21	DUP	8.20	28.0	433	39.6
MO-2007-3B	906816	4/15/21		8.18	27.9	486	39.8
MO-2007-3B	906816	8/9/21		8.14	28.4	423	44.1
MO-2007-3B	906816	8/9/21	DUP	8.14	28.4	423	44.2
MO-2007-3B	906816	10/25/21		8.36	29.1	490	36.1
MO-2007-3B	906816	1/17/22		8.26	26.7	449	33.7
MO-2007-3B	906816	4/14/22		8.48	28.1	365	35.7
MO-2007-3B	906816	8/15/22		8.11	28.1	247	11.2
MO-2007-3B	906816	10/20/22		8.33	29.0	480	40.2
MO-2007-3B	906816	1/23/23		8.22	26.6	430	35.6
MO-2007-3C	906817	6/28/07		7.93	32.2	570	136
MO-2007-3C	906817	1/21/08		8.21	27.6	507	130
MO-2007-3C	906817	4/15/08		7.87	30.1	477	127
MO-2007-3C	906817	7/17/08		7.98	32.7	493	126
MO-2007-3C	906817	10/21/08		8.07	32.9	519	103
MO-2007-3C	906817	1/19/09		8.00	30.7	490	113
MO-2007-3C	906817	4/1/09		8.09	28.3	541	115
MO-2007-3C	906817	7/22/09		8.07	31.4	510	107
MO-2007-3C	906817	10/22/09		8.01	29.8	488	108
MO-2007-3C	906817	1/20/10		8.20	26.2	469	103
MO-2007-3C	906817	4/14/10		8.07	30.9	465	110
MO-2007-3C	906817	7/21/10		8.05	30.4	511	101
MO-2007-3C	906817	10/26/10		7.92	29.5	471	104
MO-2007-3C	906817	1/18/11		8.06	29.1	492	106
MO-2007-3C	906817	5/4/11		8.11	30.4	504	107
MO-2007-3C	906817	7/6/11		8.02	32.5	248	101
MO-2007-3C	906817	10/5/11		8.28	29.3	524	96.818
MO-2007-3C	906817	1/11/12		7.92	29.4	283	104.03
MO-2007-3C	906817	5/7/12		8.10	30.3	440	95.99
MO-2007-3C	906817	8/7/12		7.93	30.7	553	93.25
MO-2007-3C	906817	10/10/12		8.04	29.4	487	99.13
MO-2007-3C	906817	1/8/13		8.09	26.5	431	62.35
MO-2007-3C	906817	1/8/13	DUP	8.09	26.5	431	62.62
MO-2007-3C	906817	4/9/13		8.35	28.2	432	89.78
MO-2007-3C	906817	8/27/13		8.81	29.6	324	47.00
MO-2007-3C	906817	10/24/13		8.43	27.4	313	79.0
MO-2007-3C	906817	1/7/14		8.64	25.1	312	56.9
MO-2007-3C	906817	4/16/14		9.38	26.4	259	35.6
MO-2007-3C	906817	7/9/14		8.73	26.5	418	32.1
MO-2007-3C	906817	11/13/14		9.33	26.6	277	20.2
MO-2007-3C	906817	1/21/15		9.12	27.6	446	68.5
MO-2007-3C	906817	1/21/15	DUP	9.12	27.6	446	70.3
MO-2007-3C	906817	4/27/15		8.40	26.7	282	40.1
MO-2007-3C	906817	7/7/15		7.60	27.7	315	35.2
MO-2007-3C	906817	10/21/15		9.42	26.0	360	27.9
MO-2007-3C	906817	1/4/16		9.28	25.6	387	30.3
MO-2007-3C	906817	4/11/16		8.23	26.5	354	28.1
MO-2007-3C	906817	7/6/16		7.69	27.5	359	21.8
MO-2007-3C	906817	8/24/16		9.89	26.1	422	18.7
MO-2007-3C	906817	10/5/16		9.79	27.5	428	28.4
MO-2007-3C	906817	1/10/17		9.90	25.6	384	28.6
MO-2007-3C	906817	5/3/17		9.07	27.4	359.8	30.0
MO-2007-3C	906817	7/12/17		9.03	29.4	447	49.9
MO-2007-3C	906817	10/9/17		9.14	26.2	467	45.1
MO-2007-3C	906817	1/11/18		9.35	25.2	390	27.2
MO-2007-3C	906817	4/17/18		8.97	27.4	353	36.5

## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MO-2007-3C	906817	8/8/18		8.74	26.4	364	39.3
MO-2007-3C	906817	11/26/18		8.83	26.3	352	28.7
MO-2007-3C	906817	2/18/19		8.71	24.3	322	39.4
MO-2007-3C	906817	4/9/19		9.17	26.3	377	28.1
MO-2007-3C	906817	7/17/19		8.61	26.4	240	37.5
MO-2007-3C	906817	10/22/19		9.62	29.2	426	39.5
MO-2007-3C	906817	1/15/20		9.60	27.4	419	51.5
MO-2007-3C	906817	4/13/20		8.75	28.6	536	31.7
MO-2007-3C	906817	12/8/20		8.45	30.8	537	97.9
MO-2007-3C	906817	1/15/21		8.47	29.2	538	105
MO-2007-3C	906817	4/15/21		8.51	29.2	543	101
MO-2007-3C	906817	8/9/21		8.50	30.6	530	110
MO-2007-3C	906817	10/25/21		8.59	30.6	570	90.7
MO-2007-3C	906817	1/17/22		8.73	28.5	527	113
MO-2007-3C	906817	4/14/22		8.78	30.4	495	105
MO-2007-3C	906817	8/15/22		8.46	30.3	410	59.9
MO-2007-3C	906817	10/20/22		8.53	30.6	541	107
MO-2007-3C	906817	1/23/23		8.68	28.6	560	107
MO-2007-4A	907213	1/22/08		7.82	25.0	405	40
MO-2007-4A	907213	4/16/08		7.65	25.8	372	33.1
MO-2007-4A	907213	7/18/08		7.44	27.4	416	35.3
MO-2007-4A	907213	10/22/08		7.58	26.9	420	40.1
MO-2007-4A	907213	1/19/09		7.52	28	392	35.9
MO-2007-4A	907213	4/2/09		7.85	26.8	393	36.7
MO-2007-4A	907213	4/2/09	DUP	7.85	26.8	393	36.5
MO-2007-4A	907213	7/1/09		7.55	26.4	395	36.3
MO-2007-4A	907213	10/26/09		7.64	27.2	378	35.7
MO-2007-4A	907213	1/26/10		7.66	25.7	356	36.0
MO-2007-4A	907213	4/14/10		7.63	25.2	379	37.0
MO-2007-4A	907213	7/21/10		7.54	26.9	420	34.9
MO-2007-4A	907213	10/13/10		7.55	26.1	414	35.2
MO-2007-4A	907213	1/19/11		7.61	25.8	403	35.8
MO-2007-4A	907213	5/4/11		7.57	26.5	411	35.9
MO-2007-4A	907213	7/6/11		7.47	27.4	417	35.3
MO-2007-4A	907213	10/5/11		7.82	24.1	435	34.47
MO-2007-4A	907213	1/17/12		7.54	24.5	274	37.55
MO-2007-4A	907213	5/7/12		7.49	24.7	381	35.62
MO-2007-4A	907213	8/13/12		7.53	26.5	378	35.33
MO-2007-4A	907213	10/23/12		7.48	27.2	380	94.87
MO-2007-4A	907213	2/21/13		7.53	28.6	337	33.48
MO-2007-4A	907213	4/10/13		7.82	26.0	319	34.69
MO-2007-4A	907213	7/10/13		7.68	25.3	347	36.60
MO-2007-4A	907213	10/22/13		7.81	23.5	282	35.0
MO-2007-4A	907213	1/10/14		7.73	23.7	281	35.4
MO-2007-4A	907213	4/8/14		7.65	24.6	353	34.9
MO-2007-4A	907213	7/8/14		7.52	24.8	465	34.6
MO-2007-4A	907213	11/12/14		7.71	24.6	404	34.3
MO-2007-4A	907213	1/14/15		7.71	24.8	404	34.4
MO-2007-4A	907213	4/15/15		7.59	25.3	374	39.7
MO-2007-4A	907213	4/15/15	DUP	7.59	25.3	374	39.1
MO-2007-4A	907213	7/8/15		7.28	25.5	470	40.2
MO-2007-4A	907213	7/8/15	DUP	7.28	25.5	470	40.1
MO-2007-4A	907213	10/22/15		7.72	25.2	410	39.3
MO-2007-4A	907213	1/4/16		7.21	24.6	488	35.5
MO-2007-4A	907213	4/7/16		7.30	24.7	438	41.1
MO-2007-4A	907213	7/5/16		7.42	25.7	489	41.7
MO-2007-4A	907213	8/24/16		7.74	25.3	497	41.5
MO-2007-4A	907213	8/24/16	DUP	7.74	25.3	497	42.1
MO-2007-4A	907213	10/25/16		7.75	25.2	453	39.2
MO-2007-4A	907213	1/12/17		7.90	24.3	438	38.8
MO-2007-4A	907213	1/12/17	DUP	7.90	24.3	438	38.8
MO-2007-4A	907213	5/3/17		7.91	25.1	464	38.5
MO-2007-4A	907213	7/13/17		7.81	25.7	438	33.7
MO-2007-4A	907213	7/13/17	DUP	7.81	25.7	438	33.7
MO-2007-4A	907213	10/10/17		7.89	25.5	418	34.7
MO-2007-4A	907213	1/15/18		7.93	25.1	350	32.8
MO-2007-4A	907213	4/16/18		8.00	25.0	374	35.3
MO-2007-4A	907213	8/9/18		7.87	25.5	388	35.2
MO-2007-4A	907213	12/3/18		7.73	25.6	318	37.4
MO-2007-4A	907213	2/14/19		7.87	24.7	294	38.6

## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MO-2007-4A	907213	4/11/19		7.84	24.9	311	36.5
MO-2007-4A	907213	7/18/19		7.94	25.6	197	35.5
MO-2007-4A	907213	7/18/19	DUP	7.94	25.6	197	35.8
MO-2007-4A	907213	9/9/19		7.70	26.0	472	35.9
MO-2007-4A	907213	9/9/19	DUP	7.70	26.0	472	35.9
MO-2007-4A	907213	10/22/19		7.73	25.2	472	35.6
MO-2007-4A	907213	10/22/19	DUP	7.73	25.2	472	35.5
MO-2007-4A	907213	11/14/19		7.76	25.7	475	34.5
MO-2007-4A	907213	12/4/19		7.84	25.7	466	36.1
MO-2007-4A	907213	12/4/19	DUP	7.84	25.7	466	35.9
MO-2007-4A	907213	1/16/20		7.83	24.6	478	35.2
MO-2007-4A	907213	2/5/20		8.00	23.8	469	45.3
MO-2007-4A	907213	3/5/20		7.89	25.2	469	35.8
MO-2007-4A	907213	4/14/20		7.96	25.0	462	36.3
MO-2007-4A	907213	4/14/20	DUP	7.96	25.0	462	35.5
MO-2007-4A	907213	7/28/20		7.88	26.1	465	34.8
MO-2007-4A	907213	11/3/20		8.18	26.3	460	32.0
MO-2007-4A	907213	1/14/21		7.89	24.3	466	34.9
MO-2007-4A	907213	5/6/21		7.92	26.6	453	34.5
MO-2007-4A	907213	8/13/21		7.93	26.0	465	37.9
MO-2007-4A	907213	8/13/21	DUP	7.93	26.0	465	38.3
MO-2007-4A	907213	10/13/21		8.21	24.7	462	34.3
MO-2007-4A	907213	1/14/22		7.94	24.4	409	33.3
MO-2007-4A	907213	1/14/22	DUP	7.94	24.4	409	32.9
MO-2007-4A	907213	4/13/22		8.04	24.9	429	30.1
MO-2007-4A	907213	8/23/22		7.95	25.9	417	31.8
MO-2007-4A	907213	8/23/22	DUP	7.95	25.9	417	32.1
MO-2007-4A	907213	10/24/22		8.22	24.7	464	32.3
MO-2007-4A	907213	1/19/23		7.88	24.5	425	33.5
MO-2007-4A	907213	1/19/23	DUP	7.88	24.5	425	33.5
MO-2007-4B	907212	1/7/08		7.69	25.5	445	NA
MO-2007-4B	907212	4/16/08		7.66	26.9	343	33.6
MO-2007-4B	907212	7/18/08		7.57	29.2	391	34.8
MO-2007-4B	907212	7/18/08	DUP	7.57	29.2	391	35.1
MO-2007-4B	907212	10/22/08		7.73	30.8	407	34.7
MO-2007-4B	907212	1/21/09		7.71	27.3	377	32.9
MO-2007-4B	907212	4/2/09		7.93	28.3	363	34.6
MO-2007-4B	907212	7/1/09		7.64	27.8	370	34.7
MO-2007-4B	907212	10/26/09		7.68	28.7	348	34.5
MO-2007-4B	907212	1/26/10		7.74	23.7	332	34.1
MO-2007-4B	907212	4/14/10		7.76	25.1	342	35.1
MO-2007-4B	907212	7/21/10		7.71	30.2	379	34
MO-2007-4B	907212	7/21/10	DUP	7.71	30.2	379	34.9
MO-2007-4B	907212	10/13/10		7.69	28.1	378	34.2
MO-2007-4B	907212	1/19/11		7.73	26.9	367	34.6
MO-2007-4B	907212	1/19/11	DUP	7.73	26.9	367	34.4
MO-2007-4B	907212	5/4/11		7.72	28.1	379	34.5
MO-2007-4B	907212	7/6/11		7.73	28.0	381	34.4
MO-2007-4B	907212	10/5/11		8.01	27.6	401	34.194
MO-2007-4B	907212	10/5/11	DUP	8.01	27.6	401	33.36
MO-2007-4B	907212	1/17/12		7.81	26.7	259	33.14
MO-2007-4B	907212	5/7/12		7.83	29.0	342	34.25
MO-2007-4B	907212	8/13/12		7.75	28.2	353	34.02
MO-2007-4B	907212	10/23/12		7.72	27.9	364	34.37
MO-2007-4B	907212	2/21/13		7.75	25.7	299	32.01
MO-2007-4B	907212	4/10/13		8.06	24.7	312	33.31
MO-2007-4B	907212	7/10/13		8.48	25.9	200	4.51
MO-2007-4B	907212	10/22/13		8.86	24.4	142	<0.50
MO-2007-4B	907212	1/10/14		8.83	23.6	185	<0.50
MO-2007-4B	907212	4/8/14		8.90	24.6	165	<0.50
MO-2007-4B	907212	7/8/14		8.75	25.3	220	<0.50
MO-2007-4B	907212	11/12/14		8.72	25.7	405	29.1
MO-2007-4B	907212	1/14/15		8.30	25.8	256	16.8
MO-2007-4B	907212	4/15/15		7.88	26.6	337	35.1
MO-2007-4B	907212	7/8/15		7.64	25.9	297	16.6
MO-2007-4B	907212	10/22/15		7.87	25.7	266	0.85
MO-2007-4B	907212	1/4/16		8.13	25.0	259	<0.50
MO-2007-4B	907212	1/4/16	DUP	8.13	25.0	259	<0.50
MO-2007-4B	907212	4/7/16		8.25	25.8	241	1.10
MO-2007-4B	907212	7/5/16		7.69	26.0	380	8.73

## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MO-2007-4B	907212	8/24/16		8.80	25.8	244	3.06
MO-2007-4B	907212	10/25/16		8.75	26.0	221.8	<0.50
MO-2007-4B	907212	10/25/16	DUP	8.75	26.0	221.8	<0.50
MO-2007-4B	907212	1/12/17		8.49	24.2	237	3.35
MO-2007-4B	907212	5/3/17		8.52	25.4	290.0	5.02
MO-2007-4B	907212	7/13/17		8.86	25.7	221	<0.50
MO-2007-4B	907212	10/10/17		8.97	26.3	289	<0.40
MO-2007-4B	907212	1/15/18		8.39	26.4	370	37.2
MO-2007-4B	907212	4/16/18		8.10	25.9	242	18.6
MO-2007-4B	907212	8/9/18		8.48	26.5	203	7.9
MO-2007-4B	907212	12/3/18		8.02	27.3	337	44.9
MO-2007-4B	907212	2/14/19		8.15	26.0	244	31.4
MO-2007-4B	907212	4/11/19		8.14	26.5	330	44.5
MO-2007-4B	907212	7/18/19		8.44	26.9	211	36.3
MO-2007-4B	907212	9/9/19		7.95	27.9	452	46.2
MO-2007-4B	907212	10/17/19		8.08	28.9	453	44.4
MO-2007-4B	907212	11/14/19		8.09	28.8	461	45.2
MO-2007-4B	907212	12/4/19		8.10	26.8	459	46.7
MO-2007-4B	907212	1/16/20		8.04	25.4	458	45.1
MO-2007-4B	907212	2/5/20		8.22	26.2	453	55.0
MO-2007-4B	907212	3/5/20		8.09	26.5	458	47.4
MO-2007-4B	907212	4/14/20		8.21	25.8	450	53.7
MO-2007-4B	907212	7/28/20		8.19	28.6	454	47.5
MO-2007-4B	907212	11/3/20		8.23	29.7	463	42.5
MO-2007-4B	907212	1/14/21		8.12	26.7	435	46.2
MO-2007-4B	907212	5/6/21		8.19	27.7	461	46.6
MO-2007-4B	907212	8/12/21		8.23	28.5	421	52.5
MO-2007-4B	907212	10/13/21		8.35	26.3	464	47.7
MO-2007-4B	907212	1/14/22		8.27	25.5	446	43.8
MO-2007-4B	907212	4/13/22		8.38	26.9	453	42.3
MO-2007-4B	907212	8/23/22		8.20	28.3	416	51.4
MO-2007-4B	907212	10/24/22		8.32	26.2	459	44.5
MO-2007-4B	907212	1/19/23		8.23	25.5	457	45.5
MO-2007-4C	907211	8/16/07		7.62	35.2	472	37.9
MO-2007-4C	907211	1/22/08		8.33	27.3	465	80
MO-2007-4C	907211	4/16/08		8.19	29.9	420	80
MO-2007-4C	907211	7/18/08		8.27	31.9	467	78.6
MO-2007-4C	907211	10/22/08		8.45	31.8	467	85.9
MO-2007-4C	907211	1/21/09		8.84	29.1	467	78.5
MO-2007-4C	907211	4/2/09		8.48	30.3	444	81
MO-2007-4C	907211	7/1/09		8.25	31.1	446	82.7
MO-2007-4C	907211	10/26/09		8.22	30.5	427	83.9
MO-2007-4C	907211	10/26/09	DUP	8.22	30.5	427	83.8
MO-2007-4C	907211	1/26/10		8.40	30.0	409	83.2
MO-2007-4C	907211	4/14/10		8.11	27.6	423	87.7
MO-2007-4C	907211	7/21/10		8.23	32.4	467	85.6
MO-2007-4C	907211	10/13/10		8.19	31.1	462	86.5
MO-2007-4C	907211	1/19/11		8.21	28.9	447	87.6
MO-2007-4C	907211	5/4/11		8.27	30.1	468	88.1
MO-2007-4C	907211	7/6/11		8.17	30.8	468	85
MO-2007-4C	907211	10/5/11		8.43	30.0	505	89.355
MO-2007-4C	907211	1/12/12		8.52	29.5	329	92.92
MO-2007-4C	907211	5/7/12		8.32	30.6	439	91.70
MO-2007-4C	907211	8/13/12		8.31	28.8	451	91.22
MO-2007-4C	907211	8/13/12	DUP	8.31	28.8	451	91.48
MO-2007-4C	907211	10/23/12		8.86	28.5	436	94.65
MO-2007-4C	907211	2/21/13		7.97	28.4	384	90.93
MO-2007-4C	907211	4/10/13		8.46	29.3	362	93.24
MO-2007-4C	907211	7/10/13		8.59	26.6	344	66.70
MO-2007-4C	907211	10/22/13		9.51	25.6	292	63.1
MO-2007-4C	907211	1/10/14		9.64	24.2	310	63.4
MO-2007-4C	907211	4/8/14		9.52	26.2	344	61.8
MO-2007-4C	907211	7/8/14		9.60	26.4	446	55.4
MO-2007-4C	907211	11/12/14		9.36	25.8	357	52.9
MO-2007-4C	907211	1/14/15		9.79	26.3	448	65.0
MO-2007-4C	907211	4/15/15		8.15	27.9	388	77.3
MO-2007-4C	907211	7/8/15		8.10	26.6	439	64.3
MO-2007-4C	907211	10/22/15		9.64	26.2	446	56.1
MO-2007-4C	907211	1/4/16		9.20	24.6	479	59.9
MO-2007-4C	907211	4/7/16		8.97	25.9	433	58.4



## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MO-2007-4C	907211	7/5/16		7.92	26.7	489	54.3
MO-2007-4C	907211	8/24/16		9.83	26.0	462	53.7
MO-2007-4C	907211	10/25/16		9.71	27.2	512	62.3
MO-2007-4C	907211	1/12/17		9.18	25.6	496	55.6
MO-2007-4C	907211	5/3/17		9.17	26.2	515	52.3
MO-2007-4C	907211	7/13/17		9.15	26.4	511	53.0
MO-2007-4C	907211	10/10/17		8.55	25.9	566	50.6
MO-2007-4C	907211	1/15/18		9.16	25.5	486	48.5
MO-2007-4C	907211	1/15/18	DUP	9.16	25.5	486	48.3
MO-2007-4C	907211	4/16/18		8.08	26.2	425	48.8
MO-2007-4C	907211	8/9/18		8.89	27.5	412	56.4
MO-2007-4C	907211	12/3/18		8.36	28.8	474	91.1
MO-2007-4C	907211	2/14/19		8.53	28.6	331	83.3
MO-2007-4C	907211	4/11/19		9.03	27.1	362	66.8
MO-2007-4C	907211	7/18/19		8.58	27.7	258	63.2
MO-2007-4C	907211	9/9/19		8.55	30.6	529	86.5
MO-2007-4C	907211	10/17/19		8.63	30.0	536	90.8
MO-2007-4C	907211	11/14/19		8.71	30.1	543	88.6
MO-2007-4C	907211	12/4/19		8.58	29.8	530	86.8
MO-2007-4C	907211	12/4/19	DUP	8.58	29.8	530	85.3
MO-2007-4C	907211	1/16/20		8.60	28.2	522	87.3
MO-2007-4C	907211	2/5/20		8.56	28.3	529	93.4
MO-2007-4C	907211	3/5/20		8.56	29.3	530	89.8
MO-2007-4C	907211	4/14/20		8.71	29.2	536	119
MO-2007-4C	907211	7/28/20		8.51	31.0	529	88.9
MO-2007-4C	907211	11/3/20		8.70	30.3	524	85.2
MO-2007-4C	907211	11/3/20	DUP	8.70	30.3	524	82.8
MO-2007-4C	907211	1/14/21		8.54	29.1	528	88.9
MO-2007-4C	907211	5/6/21		8.62	30.6	532	86.2
MO-2007-4C	907211	8/13/21		8.73	31.3	545	103
MO-2007-4C	907211	10/13/21		8.81	28.6	530	81.1
MO-2007-4C	907211	10/13/21	DUP	8.81	28.6	530	86.8
MO-2007-4C	907211	1/14/22		8.80	28.0	490	87.7
MO-2007-4C	907211	4/13/22		8.76	29.6	496	85.9
MO-2007-4C	907211	8/23/22		8.71	31.1	498	90.9
MO-2007-4C	907211	10/24/22		8.79	28.4	539	102
MO-2007-4C	907211	1/19/23		8.78	28.2	505	93.5
MO-2007-5B	907456	1/7/08		7.96	26.7	1138	NA
MO-2007-5B	907456	4/17/08		7.94	27.7	877	390
MO-2007-5B	907456	7/24/08		7.86	31.1	1040	343
MO-2007-5B	907456	10/23/08		7.87	26.8	1086	412
MO-2007-5B	907456	1/21/09		7.92	29.4	1049	400
MO-2007-5B	907456	4/2/09		8.15	30.6	958	366
MO-2007-5B	907456	1/25/10		7.98	28.8	1010	462
MO-2007-5B	907456	4/27/10		7.90	29.3	987	427
MO-2007-5B	907456	12/10/10		7.92	27.1	1215	454
MO-2007-5B	907456	6/24/11		7.98	31.0	1199	513
MO-2007-5B	907456	11/21/11		7.98	27.2	1249	494.3
MO-2007-5B	907456	6/20/12		7.62	30.0	1465	519.3
MO-2007-5B	907456	11/6/12		7.53	26.6	1420	453.9
MO-2007-5B	907456	6/12/13		8.07	27.8	1036	430
MO-2007-5B	907456	10/24/13		7.89	26.4	783	430
MO-2007-5B	907456	4/29/14		8.19	27.4	1018	447
MO-2007-5B	907456	10/15/14		8.90	26.4	924	440
MO-2007-5B	907456	4/28/15		8.04	27.7	1330	502
MO-2007-5B	907456	4/12/16		7.73	27.3	1351	413
MO-2007-5B	907456	9/21/16		8.62	27.2	1454	511
MO-2007-5B	907456	10/26/16		8.38	26.9	1379	463
MO-2007-5B	907456	5/2/17		9.07	27.5	1352	460
MO-2007-5B	907456	7/12/17		8.89	26.6	1220	429
MO-2007-5B	907456	10/4/17		8.77	26.7	1211	465
MO-2007-5B	907456	4/18/18		8.43	29.0	1284	529
MO-2007-5B	907456	11/20/18		8.25	28.6	1083	607
MO-2007-5B	907456	4/10/19		8.22	28.4	921	553
MO-2007-5B	907456	9/10/19		7.98	29.7	1441	517
MO-2007-5B	907456	10/10/19		8.04	28.4	1463	499
MO-2007-5B	907456	11/13/19		8.00	28.1	1433	513
MO-2007-5B	907456	11/13/19	DUP	8.00	28.1	1433	517
MO-2007-5B	907456	12/3/19		8.00	27.0	1424	491
MO-2007-5B	907456	1/15/20		8.06	27.8	1289	500

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### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MO-2007-5B	907456	1/15/20	DUP	8.06	27.8	1289	506
MO-2007-5B	907456	2/4/20		8.09	26.4	1365	449
MO-2007-5B	907456	3/4/20		8.10	27.3	1365	477
MO-2007-5B	907456	4/7/20		8.20	28.6	1234	401
MO-2007-5B	907456	10/9/20		8.09	28.7	1100	348
MO-2007-5B	907456	10/9/20	DUP	8.09	28.7	1100	347
MO-2007-5B	907456	4/14/21		8.24	28.8	1054	331
MO-2007-5B	907456	10/5/21		8.40	29.0	965	283
MO-2007-5B	907456	4/7/22		8.48	28.6	830	216
MO-2007-5B	907456	10/13/22		8.38	29.2	998	187
MO-2007-5C	907457	8/23/07		7.46	31.4	780	248
MO-2007-5C	907457	1/7/08		8.26	27.0	851	NA
MO-2007-5C	907457	4/17/08		8.34	29.7	680	259
MO-2007-5C	907457	7/24/08		8.30	31.3	746	233
MO-2007-5C	907457	10/23/08		9.11	30.2	728	257
MO-2007-5C	907457	1/23/09		9.30	21.1	710	222
MO-2007-5C	907457	5/13/09		7.64	31.4	715	235
MO-2007-5C	907457	10/27/09		7.55	30.1	651	238
MO-2007-5C	907457	4/27/10		7.17	32.3	663	245
MO-2007-5C	907457	4/27/10	DUP	7.17	32.3	663	248
MO-2007-5C	907457	12/10/10		7.95	30.5	709	251
MO-2007-5C	907457	5/24/11		7.76	29.7	682	238
MO-2007-5C	907457	11/21/11		8.58	26.4	780	235.98
MO-2007-5C	907457	6/18/12		8.35	30.0	816	238.89
MO-2007-5C	907457	11/6/12		8.43	26.3	763	262.57
MO-2007-5C	907457	6/13/13		8.88	25.8	704	251
MO-2007-5C	907457	11/12/13		8.86	26.1	653	210
MO-2007-5C	907457	5/6/14		8.92	26.2	565	183
MO-2007-5C	907457	10/15/14		9.34	25.5	591	155
MO-2007-5C	907457	4/29/15		9.25	26.9	710	167
MO-2007-5C	907457	9/21/16		10.76	27.7	730	74.4
MO-2007-5C	907457	10/26/16		9.85	27.1	726	80.6
MO-2007-5C	907457	5/2/17		9.85	28.1	791	106
MO-2007-5C	907457	5/2/17	DUP	9.85	28.1	791	110
MO-2007-5C	907457	7/12/17		9.04	26.3	787	116
MO-2007-5C	907457	10/4/17		9.10	28.6	760	133
MO-2007-5C	907457	4/18/18		9.60	28.0	582	144
MO-2007-5C	907457	11/20/18		9.81	26.2	653	160
MO-2007-5C	907457	4/10/19		9.31	26.2	622	179
MO-2007-5C	907457	9/10/19		8.81	28.8	785	246
MO-2007-5C	907457	10/10/19		8.84	28.6	716	230
MO-2007-5C	907457	11/13/19		8.55	28.0	793	250
MO-2007-5C	907457	12/2/19		8.45	26.6	674	244
MO-2007-5C	907457	1/14/20		8.73	26.9	753	230
MO-2007-5C	907457	2/3/20		8.70	26.2	783	243
MO-2007-5C	907457	3/3/20		8.59	26.9	762	240
MO-2007-5C	907457	4/7/20		8.63	27.5	770	219
MO-2007-5C	907457	10/9/20		9.07	27.8	584	194
MO-2007-5C	907457	4/14/21		9.24	27.9	675	205
MO-2007-5C	907457	10/5/21		9.48	26.9	710	212
MO-2007-5C	907457	4/7/22		9.47	27.6	541	169
MO-2007-5C	907457	10/11/22		9.52	26.9	719	170
MO-2007-6A	907607	1/22/08		7.84	26.5	380	30
MO-2007-6A	907607	1/22/08	DUP	7.84	26.5	380	30
MO-2007-6A	907607	4/18/08		7.61	27.2	346	20.5
MO-2007-6A	907607	7/24/08		7.47	28.3	390	16.9
MO-2007-6A	907607	10/23/08		7.49	25.8	388	18.6
MO-2007-6A	907607	1/22/09		7.48	26.2	364	26.9
MO-2007-6A	907607	4/2/09		7.88	25.5	378	23.7
MO-2007-6A	907607	7/22/09		7.47	29.5	373	19.8
MO-2007-6A	907607	10/26/09		7.52	27.9	349	23.5
MO-2007-6A	907607	1/20/10		7.66	26.2	343	24.6
MO-2007-6A	907607	4/21/10		7.59	27.3	375	34.7
MO-2007-6A	907607	8/10/10		7.86	31.2	386	26.8
MO-2007-6A	907607	10/26/10		7.74	28.3	381	33.9
MO-2007-6A	907607	1/18/11		7.71	26.7	376	30.2
MO-2007-6A	907607	5/5/11		7.59	29.0	384	29.2
MO-2007-6A	907607	7/7/11		7.72	29.1	397	36.6
MO-2007-6A	907607	7/7/11	DUP	7.72	29.1	397	37.1
MO-2007-6A	907607	10/6/11		8.05	25.8	402	34.109

## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MO-2007-6A	907607	1/11/12		7.47	26.8	234	43.51
MO-2007-6A	907607	1/11/12	DUP	7.47	26.8	234	42.97
MO-2007-6A	907607	6/12/12		7.65	28.2	389	34.98
MO-2007-6A	907607	8/13/12		7.84	29.2	362	36.91
MO-2007-6A	907607	10/18/12		7.77	28.8	368	30.42
MO-2007-6A	907607	1/8/13		7.70	27.6	354	25.17
MO-2007-6A	907607	4/9/13		8.04	28.5	329	32.44
MO-2007-6A	907607	4/9/13	DUP	8.04	28.5	329	32.94
MO-2007-6A	907607	7/10/13		8.20	27.9	270	18.30
MO-2007-6A	907607	10/22/13		8.44	28.0	153	10.4
MO-2007-6A	907607	1/6/14		8.24	36.5	330	19.3
MO-2007-6A	907607	4/9/14		8.71	26.6	210	5.74
MO-2007-6A	907607	7/8/14		8.15	28.3	370	10.6
MO-2007-6A	907607	12/2/14		8.30	27.0	326	18.3
MO-2007-6A	907607	12/2/14		8.30	27.0	326	18.3
MO-2007-6A	907607	1/8/15		8.04	26.7	176	13.5
MO-2007-6A	907607	4/16/15		7.89	27.0	314	19.6
MO-2007-6A	907607	7/2/15		7.77	29.3	414	28.8
MO-2007-6A	907607	7/2/15	DUP	7.77	29.3	414	28.6
MO-2007-6A	907607	10/19/15		8.03	28.3	340	17.4
MO-2007-6A	907607	4/6/16		7.89	27.9	262	8.26
MO-2007-6A	907607	7/5/16		8.32	28.8	460	6.74
MO-2007-6A	907607	10/25/16		8.51	27.8	250	4.22
MO-2007-6A	907607	1/11/17		8.48	27.4	283	7.15
MO-2007-6A	907607	5/3/17		8.78	27.4	321.4	4.32
MO-2007-6A	907607	7/13/17		8.67	28.3	267	3.57
MO-2007-6A	907607	10/11/17		8.45	28.4	357	5.73
MO-2007-6A	907607	1/11/18		8.65	25.9	231	7.33
MO-2007-6A	907607	4/17/18		8.21	26.9	316	7.75
MO-2007-6A	907607	8/13/18		8.34	28.3	281	6.63
MO-2007-6A	907607	11/19/18		8.39	27.5	206	2.42
MO-2007-6A	907607	11/19/18	DUP	8.39	27.5	206	2.38
MO-2007-6A	907607	2/7/19		8.32	27.2	276	6.80
MO-2007-6A	907607	4/9/19		8.03	29.7	291	14.8
MO-2007-6A	907607	4/9/19	DUP	8.03	29.7	291	15.4
MO-2007-6A	907607	7/30/19		7.96	28.3	291	9.51
MO-2007-6A	907607	9/5/19		8.02	28.5	401	27.9
MO-2007-6A	907607	10/9/19		8.16	27.5	380	6.79
MO-2007-6A	907607	11/12/19		8.33	27.5	383	9.70
MO-2007-6A	907607	12/5/19		8.19	28.4	370	12.4
MO-2007-6A	907607	1/13/20		8.06	28.3	382	13.6
MO-2007-6A	907607	2/6/20		8.25	26.6	319	10.8
MO-2007-6A	907607	2/6/20	DUP	8.25	26.6	319	11.0
MO-2007-6A	907607	3/4/20		8.06	28.0	387	20.3
MO-2007-6A	907607	4/8/20		8.14	29.3	429	21.5
MO-2007-6A	907607	4/8/20	DUP	8.14	29.3	429	22.3
MO-2007-6A	907607	7/27/20		8.49	27.9	270	6.51
MO-2007-6A	907607	10/22/20		8.26	28.6	274	10.6
MO-2007-6A	907607	1/12/21		8.49	26.1	331	10.6
MO-2007-6A	907607	4/9/21		8.56	26.8	310	6.42
MO-2007-6A	907607	8/10/21		8.54	28.6	290	8.00
MO-2007-6A	907607	10/14/21		8.47	27.0	335	9.19
MO-2007-6A	907607	1/18/22		8.43	27.0	315	11.0
MO-2007-6A	907607	4/8/22		8.66	27.4	253	6.49
MO-2007-6A	907607	8/8/22		8.50	28.4	289	39.6
MO-2007-6A	907607	8/8/22	DUP	8.50	28.4	289	6.90
MO-2007-6A	907607	10/19/22		8.38	26.9	331	6.14
MO-2007-6A	907607	10/19/22	DUP	8.38	26.9	331	5.98
MO-2007-6A	907607	1/24/23		8.47	27.2	302	7.18
MO-2007-6B	907606	1/21/08		8.13	29.8	467	80
MO-2007-6B	907606	4/17/08		8.09	29.9	453	90.4
MO-2007-6B	907606	7/24/08		8.00	33.8	473	81.5
MO-2007-6B	907606	10/23/08		8.01	28.9	446	63.2
MO-2007-6B	907606	1/22/09		7.45	29.9	443	84.5
MO-2007-6B	907606	4/2/09		8.08	27.7	444	75.7
MO-2007-6B	907606	7/22/09		7.86	32.7	427	63.5
MO-2007-6B	907606	10/26/09		7.90	30.5	398	62.1
MO-2007-6B	907606	1/20/10		8.05	27.4	406	69.7
MO-2007-6B	907606	4/21/10		7.95	29.5	380	57.9
MO-2007-6B	907606	4/21/10	DUP	7.95	29.5	380	57.9

## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MO-2007-6B	907606	8/10/10		7.86	31.2	438	68.8
MO-2007-6B	907606	8/10/10	DUP	7.86	31.2	438	68.6
MO-2007-6B	907606	10/26/10		7.89	30.8	399	57.7
MO-2007-6B	907606	1/18/11		7.85	30.4	396	58.5
MO-2007-6B	907606	5/5/11		7.84	32.8	404	57.2
MO-2007-6B	907606	7/7/11		7.88	32.8	405	57.5
MO-2007-6B	907606	10/6/11		8.08	27.0	405	55.342
MO-2007-6B	907606	1/11/12		7.57	29.9	235	57.78
MO-2007-6B	907606	6/12/12		7.62	31.5	399	55.99
MO-2007-6B	907606	8/13/12		7.61	32.2	374	56.54
MO-2007-6B	907606	10/18/12		7.82	29.8	383	50.70
MO-2007-6B	907606	1/8/13		7.68	27.2	380	37.31
MO-2007-6B	907606	4/9/13		8.03	29.8	361	54.72
MO-2007-6B	907606	7/10/13		8.80	28.1	306	42.00
MO-2007-6B	907606	10/22/13		8.79	29.6	261	65.6
MO-2007-6B	907606	10/22/13	DUP	8.79	29.6	261	66.8
MO-2007-6B	907606	1/6/14		9.16	26.4	510	91.5
MO-2007-6B	907606	4/9/14		9.04	27.3	310	85.7
MO-2007-6B	907606	7/8/14		9.13	28.7	520	89.2
MO-2007-6B	907606	12/2/14		8.88	26.6	322	82.3
MO-2007-6B	907606	1/8/15		8.76	27.3	294	84.2
MO-2007-6B	907606	4/16/15		9.03	26.0	303	64.3
MO-2007-6B	907606	7/2/15		8.67	26.4	443	NA
MO-2007-6B	907606	8/17/16		9.39	29.0	370.0	28.5
MO-2007-6B	907606	10/25/16		9.48	28.8	306	12.5
MO-2007-6B	907606	1/11/17		9.38	28.5	350	12.3
MO-2007-6B	907606	5/3/17		8.91	28.1	306.1	13.6
MO-2007-6B	907606	7/13/17		9.12	28.5	393	22.9
MO-2007-6B	907606	10/10/17		8.84	29.4	418	31.2
MO-2007-6B	907606	1/11/18		9.10	27.3	317	23.7
MO-2007-6B	907606	4/17/18		8.51	30.1	407	54.0
MO-2007-6B	907606	8/13/18		8.49	29.3	310	24.5
MO-2007-6B	907606	11/19/18		8.53	32.1	345	53.6
MO-2007-6B	907606	2/7/19		8.34	30.6	262	51.5
MO-2007-6B	907606	2/7/19	DUP	8.34	30.6	262	51.5
MO-2007-6B	907606	4/9/19		7.98	32.0	307	52.8
MO-2007-6B	907606	7/30/19		7.93	29.8	274	47.6
MO-2007-6B	907606	9/5/19		7.81	32.2	418	48.1
MO-2007-6B	907606	10/9/19		7.84	30.8	403	48.6
MO-2007-6B	907606	11/12/19		7.87	31.1	416	49.0
MO-2007-6B	907606	12/5/19		7.97	32.2	416	49.1
MO-2007-6B	907606	1/13/20		7.95	30.6	460	49.4
MO-2007-6B	907606	2/6/20		7.93	29.7	408	51.9
MO-2007-6B	907606	3/4/20		7.98	30.2	408	46.9
MO-2007-6B	907606	4/8/20		8.05	31.8	360	39.4
MO-2007-6B	907606	7/27/20		8.74	30.2	369	45.0
MO-2007-6B	907606	10/22/20		8.23	31.0	430	67.6
MO-2007-6B	907606	1/12/21		8.43	28.5	376	42.3
MO-2007-6B	907606	4/9/21		8.09	30.6	372	43.1
MO-2007-6B	907606	8/10/21		8.18	32.4	402	49.9
MO-2007-6B	907606	10/14/21		8.26	29.4	371	42.2
MO-2007-6B	907606	1/18/22		8.13	30.4	366	38.9
MO-2007-6B	907606	4/8/22		8.38	30.4	326	33.2
MO-2007-6B	907606	8/8/22		8.26	32.5	361	9.03
MO-2007-6B	907606	10/19/22		8.24	29.4	366	43.6
MO-2007-6B	907606	1/24/23		8.14	30.4	360	40.5
MO-2009-1	910458	4/24/09		7.23	31.3	397	62.1
MO-2009-1	910458	7/29/09		8.18	32.9	495	97.7
MO-2009-1	910458	7/29/09	DUP	8.18	32.9	495	96.4
MO-2009-1	910458	11/3/09		8.17	29.5	513	109
MO-2009-1	910458	1/25/10		8.23	29.2	481	82.1
MO-2009-1	910458	4/20/10		8.21	30.4	467	99
MO-2009-1	910458	8/10/10		8.23	31.4	528	109
MO-2009-1	910458	12/15/10		8.29	29.0	504	95
MO-2009-1	910458	12/15/10	DUP	8.29	29.0	504	94
MO-2009-1	910458	2/2/11		8.69	26.9	432	92
MO-2009-1	910458	6/16/11		8.30	32.7	468	102
MO-2009-1	910458	8/31/11		8.33	31.1	560	108
MO-2009-1	910458	12/1/11		8.57	28.9	479	91.82
MO-2009-1	910458	1/11/12		8.18	29.9	292	93.84

## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MO-2009-1	910458	5/9/12		8.47	25.8	479	97.69
MO-2009-1	910458	8/15/12		8.47	32.7	454	102.4
MO-2009-1	910458	11/29/12		8.64	26.5	480	94.26
MO-2009-1	910458	1/8/13		8.79	27.0	522	98.57
MO-2009-1	910458	4/10/13		8.67	29.8	403	105.80
MO-2009-1	910458	7/11/13		8.67	27.9	450	118.00
MO-2009-1	910458	10/16/13		8.62	27.6	526	115
MO-2009-1	910458	1/6/14		9.68	24.4	451	89.3
MO-2009-1	910458	4/24/14		8.55	29.8	499	98.2
MO-2009-1	910458	7/8/14		9.25	26.8	493	81.1
MO-2009-1	910458	7/8/14	DUP	9.25	26.8	493	87.1
MO-2009-1	910458	12/2/14		8.69	27.3	353	89.8
MO-2009-1	910458	1/13/15		8.90	26.7	226	31.2
MO-2009-1	910458	4/15/15		8.44	27.3	488	104.0
MO-2009-1	910458	7/7/15		8.73	27.6	494	78.1
MO-2009-1	910458	10/20/15		9.37	25.6	584	68.9
MO-2009-1	910458	1/6/16		8.21	24.3	419	41.7
MO-2009-1	910458	4/12/16		8.55	27.1	521	23.5
MO-2009-1	910458	7/5/16		8.67	27.4	544	30.3
MO-2009-1	910458	10/26/16		9.30	26.0	243	17.1
MO-2009-1	910458	1/12/17		8.59	26.1	363	29.7
MO-2009-1	910458	5/4/17		8.83	26.6	298.4	13.7
MO-2009-1	910458	5/4/17	DUP	8.83	26.6	298.4	13.6
MO-2009-1	910458	7/12/17		8.97	26.5	327	20.2
MO-2009-1	910458	10/4/17		8.81	25.9	291	40.3
MO-2009-1	910458	1/18/18		8.83	26.6	352	33.7
MO-2009-1	910458	4/18/18		8.64	28.5	472	103
MO-2009-1	910458	4/18/18	DUP	8.64	28.5	472	101
MO-2009-1	910458	8/8/18		8.84	26.6	373	66.7
MO-2009-1	910458	11/20/18		8.97	26.4	834	86.4
MO-2009-1	910458	2/20/19		8.99	25.7	330	36.2
MO-2009-1	910458	4/10/19		8.85	28.2	537	138
MO-2009-1	910458	7/30/19		8.83	28.7	471	136
MO-2009-1	910458	9/4/19		8.42	30.4	589	118
MO-2009-1	910458	10/9/19		8.43	29.8	596	128
MO-2009-1	910458	11/11/19		8.42	30.7	533	95.5
MO-2009-1	910458	12/2/19		8.35	29.8	542	94.4
MO-2009-1	910458	1/13/20		8.35	27.6	582	100
MO-2009-1	910458	1/13/20	DUP	8.35	27.6	582	91.1
MO-2009-1	910458	2/4/20		8.41	25.4	512	94.1
MO-2009-1	910458	3/3/20		8.40	28.5	515	94.0
MO-2009-1	910458	4/7/20		8.43	29.4	540	96.6
MO-2009-1	910458	4/7/20	DUP	8.43	29.4	540	96.5
MO-2009-1	910458	7/16/20		8.45	30.6	544	103
MO-2009-1	910458	10/22/20		8.71	29.7	580	126
MO-2009-1	910458	1/12/21		8.31	27.3	458	71.6
MO-2009-1	910458	1/12/21	DUP	8.31	27.3	458	66.6
MO-2009-1	910458	4/9/21		8.42	29.6	553	97.8
MO-2009-1	910458	4/9/21	DUP	8.42	29.6	553	98.8
MO-2009-1	910458	8/15/21		8.32	31.2	470	59.0
MO-2009-1	910458	10/22/21		8.50	29.4	496	74.7
MO-2009-1	910458	10/22/21	DUP	8.50	29.4	496	74.6
MO-2009-1	910458	1/18/22		8.61	26.6	339	37.9
MO-2009-1	910458	1/18/22	DUP	8.61	26.6	339	37.9
MO-2009-1	910458	4/13/22		8.54	28.8	405	58.7
MO-2009-1	910458	8/17/22		8.30	31.2	440	63.3
MO-2009-1	910458	10/24/22		8.48	29.3	500	53.7
MO-2009-1	910458	1/24/23		8.60	26.5	330	36.6
MW-2016-5A	919635	8/10/16		7.59	26.2	394.4	27
MW-2016-5A	919635	10/6/16		7.83	26.7	381	24.1
MW-2016-5A	919635	1/11/17		7.85	25.9	408.2	27.6
MW-2016-5A	919635	5/9/17		8.00	26.1	383.1	28.6
MW-2016-5A	919635	7/11/17		8.03	26.7	435	22.2
MW-2016-5A	919635	7/11/17	DUP	8.03	26.7	435	22.1
MW-2016-5A	919635	10/3/17		8.02	26.4	362	22.5
MW-2016-5A	919635	1/10/18		7.93	25.4	351	25.9
MW-2016-5A	919635	5/10/18		8.30	26.7	336	22.8
MW-2016-5A	919635	5/10/18	DUP	8.30	26.7	336	22.8
MW-2016-5A	919635	8/13/18		7.90	26.9	319	22.1
MW-2016-5A	919635	11/5/18		8.08	26.8	259	21.4



## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
MW-2016-5A	919635	2/19/19		7.91	26.0	356	29.5
MW-2016-5A	919635	4/15/19		7.87	26.2	272	29.0
MW-2016-5A	919635	10/29/19		7.78	26.8	457	21.5
MW-2016-5A	919635	10/29/19	DUP	7.78	26.8	457	21.7
MW-2016-5A	919635	4/23/20		8.07	26.3	352	28.6
MW-2016-5A	919635	11/4/20		8.18	27.0	430	22.9
MW-2016-5A	919635	11/4/20	DUP	8.18	27.0	430	20.4
MW-2016-5A	919635	5/19/21		8.07	26.6	402	28.2
MW-2016-5A	919635	10/20/21		8.00	28.6	391	21.0
MW-2016-5A	919635	5/3/22		8.27	26.4	384	24.4
MW-2016-5A	919635	11/7/22		8.04	28.4	379	27.2
MW-2016-5A	919635	11/7/22	DUP	8.04	28.4	379	27.1
MW-2016-5B	919472	8/4/16		7.82	29.4	373.4	46
MW-2016-5B	919472	10/6/16		8.18	28.2	438	63.3
MW-2016-5B	919472	1/11/17		8.07	27.5	433	59.6
MW-2016-5B	919472	5/31/17		9.14	26.8	354	45.4
MW-2016-5B	919472	7/11/17		8.81	27.6	354	51.1
MW-2016-5B	919472	10/3/17		8.66	27.7	465	56.1
MW-2016-5B	919472	1/10/18		8.42	26.3	350	49.3
MW-2016-5B	919472	5/10/18		8.41	27.8	298	41.9
MW-2016-5B	919472	8/13/18		8.40	27.9	403	58.7
MW-2016-5B	919472	11/5/18		8.16	29.3	358	64.8
MW-2016-5B	919472	2/19/19		8.30	27.0	281	60.4
MW-2016-5B	919472	4/15/19		8.06	27.7	249	56.6
MW-2016-5B	919472	10/28/19		8.32	28.4	468	60.7
MW-2016-5B	919472	4/23/20		8.98	27.1	319	38.6
MW-2016-5B	919472	11/4/20		8.50	29.6	498	69.3
MW-2016-5B	919472	5/19/21		8.43	28.6	419	77.0
MW-2016-5B	919472	10/20/21		8.37	29.4	480	59.7
MW-2016-5B	919472	5/3/22		8.52	28.5	432	65.2
MW-2016-5B	919472	11/7/22		8.35	29.3	482	66.7
MW-2016-6	919676	8/16/16		7.59	28.4	1236	490
MW-2016-6	919676	10/6/16		7.85	28.2	714	234
MW-2016-6	919676	1/11/17		7.83	26.4	432	67
MW-2016-6	919676	5/9/17		8.54	28.1	876	228
MW-2016-6	919676	7/10/17		9.03	27.8	474	117
MW-2016-6	919676	10/3/17		8.32	28.5	718	127
MW-2016-6	919676	1/10/18		8.25	26.0	302	60.8
MW-2016-6	919676	5/10/18		8.26	27.7	496	61.2
MW-2016-6	919676	8/13/18		8.14	28.3	399	77.1
MW-2016-6	919676	11/5/18		7.91	27.6	574	238
MW-2016-6	919676	2/19/19		7.89	27.5	396	167
MW-2016-6	919676	4/15/19		7.84	27.3	274	75.1
MW-2016-6	919676	10/28/19		8.30	26.9	652	164
MW-2016-6	919676	4/23/20		8.79	26.8	298	37.5
MW-2016-6	919676	11/4/20		8.43	27.3	738	153
MW-2016-6	919676	5/19/21		8.46	27.6	492	165
MW-2016-6	919676	10/20/21		8.71	28.4	470	127
MW-2016-6	919676	5/3/22		8.45	27.6	676	144
MW-2016-6	919676	11/15/22		8.64	28.4	459	133
NP-2	605898	6/4/07		7.20	25.9	411	41.2
NP-2	605898	6/4/07		7.20	25.9	411	41.2
NP-2	605898	7/18/07		7.30	23.2	816	NA
NP-2	605898	8/13/07		7.16	26.0	441	41.7
NP-2	605898	1/11/08		7.60	25.0	760	43.5
NP-2	605898	1/11/08	DUP	7.60	25.0	760	43.8
NP-2	605898	4/17/08		7.34	25.4	379	40
NP-2	605898	4/17/08	DUP	7.34	25.4	379	33
NP-2	605898	7/11/08		7.62	25.9	455	40.5
NP-2	605898	10/6/08		7.57	25.1	405	39.7
NP-2	605898	2/9/09		7.61	25.3	337	42.4
NP-2	605898	4/24/09		6.89	24.6	510	32.1
NP-2	605898	9/17/09		6.68	26.6	414	40
NP-2	605898	12/31/09		7.60	23.6	387	40.7
NP-2	605898	2/17/10		6.35	24.7	450	42.0
NP-2	605898	2/17/10	DUP	6.35	24.7	450	42.0
NP-2	605898	4/22/10		7.25	23.49	447	41.9
NP-2	605898	8/5/10		7.67	26.0	429	41.2
NP-2	605898	10/25/10		7.66	25.3	446	41.4
NP-2	605898	1/19/11		7.69	25.5	402	41.9

## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
NP-2	605898	5/3/11		7.84	25.3	413	43.5
NP-2	605898	7/18/11		7.72	25.8	431	44.8
NP-2	605898	7/18/11	DUP	7.72	25.8	431	44.6
NP-2	605898	12/5/11		8.11	23.1	396	58.63
NP-2	605898	3/21/12		7.86	24.9	337	64.11
NP-2	605898	6/18/12		7.83	26.9	463	64.90
NP-2	605898	8/15/12		8.01	26.3	357	65.72
NP-2	605898	11/29/12		8.02	24.1	396	70.13
NP-2	605898	2/20/13		7.94	23.6	376	69.34
NP-2	605898	6/17/13		7.96	25.6	379	71.6
NP-2	605898	8/27/13		7.82	25.4	337	64.3
NP-2	605898	10/30/13		7.57	24.5	264	59.6
NP-2	605898	1/7/14		7.57	23.7	329	63.0
NP-2	605898	4/23/14		7.80	24.7	410	55.2
NP-2	605898	7/1/14		7.59	24.6	448	48.1
NP-2	605898	10/13/14		7.98	25.3	370	41.1
NP-2	605898	10/13/14	DUP	7.98	25.3	370	41.3
NP-2	605898	1/14/15		8.08	24.8	426	42.9
NP-2	605898	8/23/16		7.84	26.0	468	45.9
NP-2	605898	12/5/16		7.90	25.3	489	38.6
NP-2	605898	1/16/17		8.03	23.7	406	38.2
NP-2	605898	5/23/17		7.87	23.7	401	30.2
NP-2	605898	5/23/17	DUP	7.87	23.7	401	30.2
NP-2	605898	8/8/17		7.86	25.9	443	46.2
NP-2	605898	8/8/17	DUP	7.86	25.9	443	46.1
NP-2	605898	10/26/17		8.02	25.7	425	43.0
NP-2	605898	4/4/18		7.80	26.4	362	41.1
NP-2	605898	9/5/18		8.03	26.1	394	44.5
NP-2	605898	12/5/18		8.08	25.0	320	46.6
NP-2	605898	3/5/19		7.92	25.5	343	45.9
NP-2	605898	5/7/19		8.23	25.1	250	45.0
NP-2	605898	8/13/19		7.96	26.0	266	43.2
NP-2	605898	11/6/19		7.84	24.7	466	66.9
NP-2	605898	2/18/20		7.89	25.3	461	58.5
NP-2	605898	5/6/20		7.97	26.1	456	17.2
NP-2	605898	8/11/20		7.96	25.9	467	42.5
NP-2	605898	11/18/20		8.11	24.7	462	39.8
NP-2	605898	3/8/21		8.08	25.4	458	40.5
NP-2	605898	6/29/21		8.08	25.8	459	41.0
NP-2	605898	8/17/21		7.65	25.8	462	41.9
NP-2	605898	11/15/21		8.29	25.7	420	58.2
NP-2	605898	2/8/22		8.30	24.7	418	38.9
NP-2	605898	5/4/22		8.26	25.1	407	36.7
NP-2	605898	8/24/22		7.60	25.8	418	39.6
NP-2	605898	11/9/22		8.31	25.7	423	39.1
NP-2	605898	1/25/23		8.29	24.6	416	38.0
PS-1	220861	2/3/14		7.21	24.7	2600	1310
PS-1	220861	4/14/14		7.56	27.1	1461	1250
PS-1	220861	7/9/14		6.71	27.4	2320	1270
PS-1	220861	11/10/14		7.39	26.5	1806	1150
PS-1	220861	1/12/15		7.72	26.6	1572	1130
PS-1	220861	4/1/15		7.64	27.8	1268	1140
PS-1	220861	7/15/15		7.18	26.6	2180	1180
PS-1	220861	11/3/15		7.63	26.1	1393	1150
PS-1	220861	1/6/16		7.38	24.8	1518	1210
PS-1	220861	5/9/16		7.49	26.7	1247	1220
PS-1	220861	8/18/16		7.56	27.4	2546	1190
PS-1	220861	4/18/17		7.84	27.3	2468	1190
PS-1	220861	4/26/18		7.71	27.2	2050	1230
PS-1	220861	4/16/19		7.78	27.2	1338	1390
PS-1	220861	5/26/20		8.19	27.3	2595	1200
PS-1	220861	4/7/21		7.83	27.7	2694	1330
PS-1	220861	4/22/22		8.46	27.4	2480	1250
PS-2	220862	2/3/14		7.01	25.1	1935	1080
PS-2	220862	2/3/14	DUP	7.01	25.1	1935	1090
PS-2	220862	4/14/14		7.62	26.6	1303	1050
PS-2	220862	7/9/14		6.79	27.5	1934	1120
PS-2	220862	11/10/14		7.09	26.5	1689	1020
PS-2	220862	1/12/15		7.71	25.9	1482	1000
PS-2	220862	4/1/15		7.62	27.8	1218	1000

## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
PS-2	220862	7/15/15		7.51	26.5	1894	1040
PS-2	220862	11/3/15		7.70	25.7	1358	1010
PS-2	220862	1/6/16		7.40	25.5	1483	1030
PS-2	220862	5/9/16		7.57	26.9	1249	1070
PS-2	220862	8/18/16		7.53	28.0	2215	1040
PS-2	220862	4/18/17		7.75	27.5	2160	991
PS-2	220862	4/26/18		7.70	27.0	1781	999
PS-2	220862	4/16/19		7.83	26.9	1245	1070
PS-2	220862	5/26/20		8.09	27.0	2202	965
PS-2	220862	4/7/21		7.87	27.4	2214	997
PS-2	220862	4/25/22		8.33	27.2	1958	999
PS-3	220863	2/3/14		7.04	25.3	1810	975
PS-3	220863	4/14/14		7.57	26.7	1270	996
PS-3	220863	4/14/14	DUP	7.57	26.7	1270	997
PS-3	220863	7/9/14		6.76	27.6	1799	1120
PS-3	220863	11/10/14		7.26	26.5	1658	1090
PS-3	220863	1/12/15		7.75	26.0	1457	1010
PS-3	220863	4/1/15		7.67	29.1	1184	1010
PS-3	220863	7/15/15		7.56	27.2	1854	1040
PS-3	220863	11/3/15		7.68	26.6	1337	983
PS-3	220863	1/6/16		7.40	24.8	1455	1040
PS-3	220863	5/9/16		7.55	27.2	1740	1020
PS-3	220863	8/18/16		7.48	27.5	2202	1000
PS-3	220863	8/18/16	DUP	7.48	27.5	2202	1020
PS-3	220863	4/18/17		7.73	27.3	2073	955
PS-3	220863	4/26/18		7.63	27.3	1630	900
PS-3	220863	4/16/19		7.90	27.3	1152	946
PS-3	220863	5/26/20		8.06	27.4	1899	833
PS-3	220863	4/7/21		7.92	27.3	1866	843
PS-3	220863	4/7/21	DUP	7.92	27.3	1866	835
PS-3	220863	4/25/22		8.39	27.2	1586	818
PS-4	220864	2/3/14		7.07	25.2	2570	1280
PS-4	220864	4/14/14		7.48	27.6	1393	1260
PS-4	220864	7/9/14		7.23	27.5	2330	1300
PS-4	220864	11/10/14		7.17	26.9	1923	1260
PS-4	220864	1/12/15		7.62	26.3	1664	1220
PS-4	220864	4/1/15		7.64	28.2	1306	1230
PS-4	220864	4/1/15	DUP	7.64	28.2	1306	1240
PS-4	220864	7/15/15		6.69	27.2	2280	1240
PS-4	220864	11/3/15		7.54	26.6	1412	1230
PS-4	220864	1/6/16		7.37	24.2	1560	1290
PS-4	220864	1/6/16	DUP	7.37	24.2	1560	1290
PS-4	220864	5/9/16		7.52	27.1	1430	1280
PS-4	220864	8/18/16		7.53	27.6	2667	1280
PS-4	220864	5/15/17		7.43	27.4	2620	1260
PS-4	220864	6/29/18		7.84	27.5	1673	1250
PS-4	220864	4/16/19		7.70	27.2	1328	1390
PS-4	220864	4/16/19	DUP	7.70	27.2	1328	1450
PS-4	220864	5/26/20		8.46	27.4	2772	1210
PS-4	220864	4/7/21		8.01	27.7	2543	1210
PS-4	220864	4/22/22		8.23	27.1	2341	1150
PZ-7	561870	11/16/06		NM	NM	NM	270
PZ-7	561870	1/12/07		7.30	21.6	920	340
PZ-7	561870	4/17/07		7.13	23.8	777	360
PZ-7	561870	7/24/07		7.31	28.2	979	360
PZ-7	561870	1/7/08		7.02	19.2	1106	400
PZ-7	561870	4/28/08		7.09	27.6	699	440
PZ-7	561870	7/11/08		7.29	24.5	1173	400
PZ-7	561870	7/11/08	DUP	7.29	24.5	1173	400
PZ-7	561870	10/14/08		8.31	25.0	1300	420
PZ-7	561870	1/13/09		7.46	21.6	5200	440
PZ-7	561870	4/6/09		6.90	24.2	1100	460
PZ-7	561870	4/23/10		6.12	20.51	1400	432
PZ-7	561870	5/18/11		7.04	24.2	1463	472
PZ-7	561870	5/18/11	DUP	7.04	24.2	1463	470
PZ-7	561870	6/6/12		6.93	25.9	1458	489.1
PZ-7	561870	6/10/13		7.20	29.2	1038	500
PZ-7	561870	4/8/14		7.11	24.0	966	428
PZ-7	561870	4/21/15		7.05	22.8	822	434
PZ-7	561870	4/26/16		7.10	22.6	829	441

## APPENDIX A

### Compilation of Historical Field Parameters and Sulfate Analytical Results

Well Name	ADWR 55 Registry No.	Sample Date	Duplicate	pH (SU)	Temperature (deg C)	Specific Conductance (µS/cm)	Sulfate, Dissolved (mg/L)
PZ-7	561870	5/9/17		7.62	23.1	1319	466
PZ-7	561870	5/2/18		7.66	24.2	1152	478
PZ-7	561870	4/16/19		8.04	24.6	948	528
PZ-7	561870	4/15/20		8.05	24.4	1384	490
PZ-7	561870	4/8/21		7.92	24.4	1410	482
PZ-7	561870	4/26/22		8.04	24.7	1490	687
PZ-8	561866	11/14/06		NM	NM	NM	470
PZ-8	561866	1/10/07		6.6	21.0	985	460
PZ-8	561866	4/11/07		7.41	19.8	1074	540
PZ-8	561866	7/12/07		7.27	27.3	935	450
PZ-8	561866	1/3/08		7.52	23.1	1045	320
PZ-8	561866	4/8/08		7.16	25.4	962	500
PZ-8	561866	7/1/08		7.15	26.49	1203	400
PZ-8	561866	10/8/08		7.22	28.2	1400	460
PZ-8	561866	1/8/09		7.05	22.3	1000	330
PZ-8	561866	4/8/09		6.54	24.1	900	280
PZ-8	561866	4/22/10		6.88	16.3	1230	305
PZ-8	561866	4/21/11		7.05	21.5	1147	364
PZ-8	561866	4/25/12		6.41	24.1	935	344.9
PZ-8	561866	6/10/13		7.35	26.7	943	380
PZ-8	561866	4/23/14		7.16	23.7	1216	480
PZ-8	561866	4/15/15		6.84	24.6	780	454
PZ-8	561866	4/26/16		6.98	24.7	833	422
PZ-8	561866	5/9/17		7.92	24.9	1358	603
PZ-8	561866	5/2/18		7.70	24.2	1168	642
PZ-8	561866	4/17/19		7.86	23.6	844	580
PZ-8	561866	4/15/20		7.83	23.0	1535	518
PZ-8	561866	4/9/21		8.08	22.5	1522	745
PZ-8	561866	5/17/22		8.03	25.4	1471	622
TMM-1	616156	6/19/07		7.73	29.7	351	14.1
TMM-1	616156	8/6/07		8.04	25.2	505	<10
TMM-1	616156	1/10/08		7.77	24.2	254	<0.5
TMM-1	616156	4/18/08		7.54	25.1	268	<1
TMM-1	616156	7/9/08		7.94	27.3	296	7.3
TMM-1	616156	10/9/08		8.14	29.7	281	<0.5
TMM-1	616156	2/4/09		7.80	24.4	236	5.7
TMM-1	616156	4/21/09		7.92	26.7	281	5.5
TMM-1	616156	10/14/09		8.12	31.1	256	0.6
TMM-1	616156	4/20/10		8.08	27.0	281	12
TMM-1	616156	10/6/10		8.56	27.4	269	<0.5
TMM-1	616156	4/21/11		7.96	26.8	303	11.6
TMM-1	616156	12/21/11		7.10	20.4	1580	<0.5
TMM-1	616156	5/15/12		8.28	28.8	32.8	7.93
TMM-1	616156	11/23/12		7.64	22.8	479	<0.5
TMM-1	616156	11/23/12	DUP	7.64	22.8	479	<0.5
TMM-1	616156	6/19/13		8.41	29.9	263	1.43
TMM-1	616156	10/29/13		7.11	24.8	183	<0.50
TMM-1	616156	4/23/14		8.49	23.6	266	<0.50

**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

DUP = duplicate sample

## **APPENDIX B**

### **DATA VERIFICATION REPORT**



**APPENDIX B**  
**DATA VERIFICATION REPORT**  
**SECOND AND THIRD QUARTERS 2023**

Prepared for:

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## 1. INTRODUCTION

This report summarizes the data verification review of groundwater samples collected and analyzed during the second and third quarters 2023 by Freeport-McMoRan Sierrita Inc. (Sierrita) pursuant to the Mitigation Order on Consent Docket No. P-50-06. Sierrita may collect groundwater samples and water levels under other programs; however, those data are not reported or reviewed in this data verification report. Analytical results for groundwater samples collected during this reporting period were provided to Sierrita by ACZ Laboratories, Inc. (ACZ) or Turner Laboratories (Turner). Sierrita provided the water quality data to Clear Creek Associates for preparation of the Semiannual Groundwater Monitoring Report.

Laboratory quality assurance and quality control (QA/QC) data are evaluated according to the data quality indicators (DQIs) given in the Quality Assurance Project Plan (QAPP) (Hydro Geo Chem [HGC], 2006). Appendix C of the main text of this report contains laboratory reports for samples collected by Sierrita, including chain of custody forms, laboratory correspondence, QC summaries, data qualifiers, and any case narratives. The analytical results for all samples reported are contained in reports with the ACZ and Turner project numbers in the following table.

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

Project ID	Wells Reported
Second Quarter 2023 Number of wells sampled: 75 Number of well samples collected (including duplicates and multiple samples from one well): 86 Number of duplicate samples collected: 8 Number of blanks collected: 8 Number of reanalyzed samples: 0 Total number of analyses: 94	
<a href="#">23D0440</a>	MH-30, MH-26C, PZ-8, MO-2007-2, MH-25C, MH-25B, MH-13B, MH-13C, MO-2007-5B, DUP20230411A, DUP20230413A, EQB20230413A, FB20230413A
<a href="#">L79683</a>	MH-28, MH-29
<a href="#">23D0597</a>	MO-2007-5C, MO-2007-6B, MO-2007-6A, MO-2007-1C, MO-2007-1B, MO-2007-1A, PZ-7, MO-2007-3C, MO-2007-3B, DUP20230419A, EQB20230419A, FB20230419A
<a href="#">22E0201</a>	MO-2007-4C, MO-2007-4B, MO-2007-4A, MO-2009-1, M-10, MW-2016-06, MW-2016-05B, MW-2016-05A
<a href="#">23E0408</a>	CW-3, NP-2, CCGV, ESP-4, ESP-2, ESP-3, DUP20230510A
<a href="#">23E0584</a>	MC-2, MH-10, MH-11, M-20, FFS-1, FFS-2, PS-4, PS-1, PS-2, PS-3, DUP20230515A, FB2023515A, EQB20230515A, IW-21, EQB20230516A, FB20230516A, DUP20230516B, IW-3A, IW-25, IW-4, IW-24, IW-27, DUP20230516A, IW-2A, IW-23, IW-29, IW-12, IW-28, IW-26, IW-8, IW-10, IW-11, IW-19, IW-1, IW-9, MC-3, FFS-3, FFS-5, FFS-6, FFS-4, MC-1, COTONIAWELL, GV-2, SIWELL
<a href="#">22E0756</a>	CW-10, CW-6, CW-9, CW-7600, CW-7700, CW-7800, CW-7900, DUP20230525A
Third Quarter 2023 Number of wells sampled: 15 Number of well samples collected (including duplicates and multiple samples from one well): 20 Number of duplicate samples collected: 2 Number of blanks collected: 2 Number of reanalyzed samples: 0 Total number of analyses: 22	
<a href="#">23G0394</a>	MO-2007-3C, MO-2007-3B, MO-2007-6B, MO-2007-6A, DUP20230712A, EQB20230712A, FB20230712A
<a href="#">32G0626</a>	MO-2007-4A, MO-2007-4B, MO-2007-4C, COTONIAWELL, GV-2, MO-2009-1, DUP20230719A, CW-7600, CW-7700, CW-7800, CW-7900, CW-10, CW-6, CW-9
<a href="#">23G0669</a>	NP-2

## 2. SAMPLE HANDLING

This report does not review field sampling procedures for Sierrita. Sierrita collected samples following the methods in the *Quality Assurance/Quality Control (QA/QC) Plan for Water Monitoring, Phelps Dodge Sierrita, Inc.* (PDSI, 2005) in Appendix E of the Work Plan (HGC, 2006). Sample handling was reviewed based on sample integrity and preservation reported in the analytical reports. The reports indicate that sample bottles for second and third quarter 2023 samples were received intact, properly preserved, 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.



### 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. Turner Laboratories is also licensed with the Arizona Department of Health Services (license number AZ0066).

#### 3.2 Analytical Methods

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

- EPA 300.0 (Ion-Chromatography)
- ASTM D516-02/-07/-11 (Turbidimetric)

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

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

Lab	Method	MDL (mg/L)	PQL (mg/L)	Target MDL <sup>1</sup> (mg/L)
ACZ	ASTM D516-02/-07/-11	50	250	10
Turner	EPA 300.0	2.81-281	5-500	10

mg/L = milligrams per liter

<sup>1</sup> 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 PQL for an undiluted sample reported by Turner using method EPA 300.0 was 5 mg/L. There were no undiluted samples reported by ACZ in the second and third quarters 2023, however, the PQL for an undiluted sample using method ASTM D516-02/-07/-11 reported by ACZ in past quarters was 5 mg/L. Samples with higher range concentrations of sulfate require dilution, which increases the PQL. In all cases of a PQL greater than 10 mg/L sulfate, the laboratory analysis yielded a detected quantity. Thus, the detection sensitivity of the analyses is adequate to be consistent with the target MDL.

### **3.4 Timeliness**

The sample holding time is based on the analytical method utilized and was calculated beginning from the time of sample collection in the field. All samples were analyzed within the 28-day holding time specified by each of the methods used.

### **3.5 Quality Control Measurements**

The following laboratory QC samples were prepared and analyzed:

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

#### **3.5.1 Calibration Blanks, and Calibration Verification Standards**

Initial calibration blanks were run with each group of samples submitted for sulfate analysis. Initial calibration blanks were prepared from analyte-free water and analyzed. Analytical results of the initial calibration 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 were between the laboratory acceptance criteria of 80 and 120 percent for samples analyzed in the second and third quarters 2023.

### 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 the laboratories.

### 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 laboratories. 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

No samples were submitted for re-analysis in the second and third quarters 2023.

## 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, 3.5.3, and 3.5.4, there were no exceedances of RPD QA criteria based on laboratory standard operating procedures for any laboratory duplicates. During this monitoring period, ten field duplicate samples were collected by Sierrita for filtered sulfate analysis. Eight field duplicates were collected in the second quarter 2023 (DUP20230411A, DUP20230413A, DUP20230419A, DUP20230510A, DUP20230515A, DUP20230516A, DUP20230516B, and DUP20230525A) and two field duplicates were collected in the third quarter 2023 (DUP20230712A, and DUP20230719A). The collection of eight duplicate samples in the second quarter 2023 and two duplicate samples in the third quarter 2023 exceeds the QAPP objective of one duplicate sample for every 20 groundwater samples collected.

Results of the field duplicate samples are provided in the table below. The range of RPD values was 0.0 to 5.73 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.

Project No.	Well ID	Duplicate ID	Sample (mg/l)	Duplicate (mg/l)	RPD
<a href="#">23D0440</a>	MH-30	DUP20230411A	1790	1750	2.26%
<a href="#">23D0440</a>	MO-2007-5B	DUP20230413A	141	142	0.71%
<a href="#">23D0597</a>	MO-2007-3B	DUP20230419A	37.7	37.6	0.27%
<a href="#">23E0408</a>	ESP-3	DUP20230510A	36.2	36.2	0.00%
<a href="#">23E0584</a>	MC-2	DUP20230515A	869	905	4.06%
<a href="#">23E0584</a>	IW-23	DUP20230516A	1830	1850	1.09%
<a href="#">23E0584</a>	IW-3A	DUP20230516B	1780	1800	1.12%
<a href="#">22E0756</a>	CW-9	DUP20230525A	61.0	57.6	5.73%
<a href="#">23G0394</a>	MO-2007-3C	DUP20230712A	101	99.1	1.90%
<a href="#">23G0626</a>	COTONIA	DUP20230719A	25.2	25.1	0.40%

*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. Field and equipment blanks samples can indicate systemic bias if the field blanks have consistent errors in the results. Field and equipment blanks are discussed in Section 4.4.

## 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

Well samples and water levels were taken from locations specified in the updated Sampling Schedule for Post-Implementation Groundwater Monitoring in the 2018 Mitigation Performance Review (Clear Creek Associates, 2019). Therefore, the samples provide a representation of groundwater quality at the locations given the well construction characteristics of the well sampled. 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. Field and equipment blank samples were collected to evaluate whether sample collection and handling techniques introduce sulfate into groundwater samples. Sulfate introduced to a sample during its collection and handling would produce sample results that are not representative of actual groundwater conditions.

Field blank samples were collected in accordance with procedures described in Section 4.2.1.5 of the QAPP. Equipment blank samples were collected pursuant to the PDSI QA/QC Plan (2005) by pouring deionized water through field sampling equipment and subsequently handling the blank the same as other groundwater samples. Field and equipment blank samples were collected and submitted along with other samples to evaluate the potential for contaminant introduction under field conditions.

During the second quarter 2023, four field blanks (FB20230413A, FB20230419A, FB2023515A, and FB20230516A) and four field equipment blanks (EQB20230413A, EQB20230419A, EQB20230515A, and EQB20230516A) were collected. The collection of eight field blanks in second quarter 2023 exceeds the QAPP objective of one blank for every 20 groundwater samples collected.

During the third quarter 2023, one field blank (FB20230712A) and one equipment blank (EQB20230712A) were collected. The collection of two field blanks in the third quarter 2023 exceeds the QAPP objective of one blank for every 20 groundwater samples collected.

None of the blank samples collected in the second and third quarters 2023 had concentrations above the PQL. The results demonstrate that the sulfate concentrations reported for second and third quarters 2023 were not affected by sample collection and sample handling procedures and are representative of actual conditions.

#### **4.5 Comparability**

All samples were collected using standardized procedures (PDSI, 2005) and were analyzed by ACZ and Turner 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 and Turner. All samples analyzed by ACZ and Turner 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. 2019. Mitigation Performance Review for 2018, Mitigation Order on Consent Docket No, P-50-06. April 19, 2019.

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 C**

**ANALYTICAL DATA REPORTS**



June 01, 2023

Jeff Joy  
Freeport McMoran Sierrita Ops  
6200 W. Duval Mine Rd., PO Box 527  
Green Valley, AZ 85622

TEL (520) 393-4345  
FAX (520) 648-8608

RE: Groundwater

Work Order No.: 23D0440  
Order Name: Sierrita Groundwater  
Samples (Sulfate)

Dear Jeff Joy,

Turner Laboratories, Inc. received 13 sample(s) on 04/13/2023 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.  
ADHS License AZ0066

Elizabeth Kasik  
Laboratory Director



**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0440  
**Date Received:** 04/13/2023

**Order:** Sierrita Groundwater Samples (Sulfate)

## Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
23D0440-01	MH-30	Ground Water	04/11/2023 0906
23D0440-02	MH-26C	Ground Water	04/11/2023 1148
23D0440-03	PZ-8	Ground Water	04/12/2023 0715
23D0440-04	MO-2007-2	Ground Water	04/12/2023 0740
23D0440-05	MH-25C	Ground Water	04/12/2023 0956
23D0440-06	MH-25B	Ground Water	04/12/2023 1029
23D0440-07	MH-13B	Ground Water	04/12/2023 1258
23D0440-08	MH-13C	Ground Water	04/13/2023 1001
23D0440-09	MO-2007-5B	Ground Water	04/13/2023 1309
23D0440-10	DUP20230411A	Ground Water	04/11/2023 0000
23D0440-11	DUP20230413A	Ground Water	04/13/2023 0000
23D0440-12	EQB20230413A	Ground Water	04/13/2023 0000
23D0440-13	FB20230413A	Ground Water	04/13/2023 0000

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0440  
**Date Received:** 04/13/2023

**Case Narrative**

This report has been revised to correct the dilution factor on sample 23D0440-09.

E4 Concentration estimated. Analyte was detected below laboratory Minimum Reporting Limit (MRL) but above MDL.

E8 Analyte reported to MDL per project specification. Target analyte was not detected in the sample.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND Not Detected at or above the PQL

PQL Practical Quantitation Limit

DF Dilution Factor

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0440  
**Lab Sample ID:** 23D0440-01

**Client Sample ID:** MH-30  
**Collection Date/Time:** 04/11/2023 0906  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1790	281	500		mg/L	100	04/13/2023 1500	04/17/2023 1834	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0440  
**Lab Sample ID:** 23D0440-02

**Client Sample ID:** MH-26C  
**Collection Date/Time:** 04/11/2023 1148  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	947	281	500		mg/L	100	04/13/2023 1500	04/17/2023 1912	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0440  
**Lab Sample ID:** 23D0440-03

**Client Sample ID:** PZ-8  
**Collection Date/Time:** 04/12/2023 0715  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	666	281	500		mg/L	100	04/13/2023 1500	04/17/2023 1951	ACG



**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0440  
**Lab Sample ID:** 23D0440-04

**Client Sample ID:** MO-2007-2  
**Collection Date/Time:** 04/12/2023 0740  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	19.8	2.81	5.00		mg/L	1	04/13/2023 1500	04/14/2023 0338	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0440  
**Lab Sample ID:** 23D0440-05

**Client Sample ID:** MH-25C  
**Collection Date/Time:** 04/12/2023 0956  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1120	281	500		mg/L	100	04/13/2023 1500	04/17/2023 2147	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0440  
**Lab Sample ID:** 23D0440-06

**Client Sample ID:** MH-25B  
**Collection Date/Time:** 04/12/2023 1029  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1460	281	500		mg/L	100	04/13/2023 1500	04/17/2023 2226	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0440  
**Lab Sample ID:** 23D0440-07

**Client Sample ID:** MH-13B  
**Collection Date/Time:** 04/12/2023 1258  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	665	281	500		mg/L	100	04/13/2023 1500	04/17/2023 2305	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0440  
**Lab Sample ID:** 23D0440-08

**Client Sample ID:** MH-13C  
**Collection Date/Time:** 04/13/2023 1001  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	4.29	2.81	5.00	E4	mg/L	1	04/13/2023 1500	04/14/2023 0613	ACG



**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0440  
**Lab Sample ID:** 23D0440-09

**Client Sample ID:** MO-2007-5B  
**Collection Date/Time:** 04/13/2023 1309  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	141	28.1	50.0		mg/L	10	04/13/2023 1500	04/17/2023 2343	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0440  
**Lab Sample ID:** 23D0440-10

**Client Sample ID:** DUP20230411A  
**Collection Date/Time:** 04/11/2023 0000  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1750	281	500		mg/L	100	04/13/2023 1000	04/18/2023 0022	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0440  
**Lab Sample ID:** 23D0440-11

**Client Sample ID:** DUP20230413A  
**Collection Date/Time:** 04/13/2023 0000  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	142	28.1	50.0		mg/L	10	04/13/2023 1000	04/18/2023 0218	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0440  
**Lab Sample ID:** 23D0440-12

**Client Sample ID:** EQB20230413A  
**Collection Date/Time:** 04/13/2023 0000  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	ND	2.81	5.00	E8	mg/L	1	04/13/2023 1000	04/14/2023 0730	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0440  
**Lab Sample ID:** 23D0440-13

**Client Sample ID:** FB20230413A  
**Collection Date/Time:** 04/13/2023 0000  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

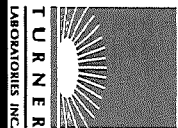
<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	ND	2.81	5.00	E8	mg/L	1	04/13/2023 1000	04/14/2023 0750	ACG



Client: Freeport McMoran Sierrita Ops  
 Project: Groundwater  
 Work Order: 23D0440  
 Date Received: 04/13/2023

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
<b>Batch 2304117 - E300.0 (2.1)</b>										
<b>Blank (2304117-BLK1)</b>				Prepared & Analyzed: 04/13/2023						
Sulfate	ND	5.00	mg/L							
<b>LCS (2304117-BS1)</b>				Prepared & Analyzed: 04/13/2023						
Sulfate	12	5.00	mg/L	12.50		98	90-110			
<b>LCS Dup (2304117-BSD1)</b>				Prepared & Analyzed: 04/13/2023						
Sulfate	12	5.00	mg/L	12.50		98	90-110	0.1	10	
<b>Matrix Spike (2304117-MS1)</b>				Source: 23D0401-01		Prepared: 04/13/2023 Analyzed: 04/14/2023				
Sulfate	77	25.0	mg/L	62.50	16	98	80-120			
<b>Matrix Spike (2304117-MS2)</b>				Source: 23D0440-12		Prepared: 04/13/2023 Analyzed: 04/18/2023				
Sulfate	12	5.00	mg/L	12.50	ND	99	80-120			
<b>Matrix Spike (2304117-MS3)</b>				Source: 23D0440-13		Prepared: 04/13/2023 Analyzed: 04/18/2023				
Sulfate	13	5.00	mg/L	12.50	ND	101	80-120			
<b>Matrix Spike Dup (2304117-MSD1)</b>				Source: 23D0401-01		Prepared: 04/13/2023 Analyzed: 04/14/2023				
Sulfate	77	25.0	mg/L	62.50	16	98	80-120	0.4	10	
<b>Matrix Spike Dup (2304117-MSD2)</b>				Source: 23D0440-12		Prepared: 04/13/2023 Analyzed: 04/18/2023				
Sulfate	12	5.00	mg/L	12.50	ND	100	80-120	0.6	10	
<b>Matrix Spike Dup (2304117-MSD3)</b>				Source: 23D0440-13		Prepared: 04/13/2023 Analyzed: 04/18/2023				
Sulfate	12	5.00	mg/L	12.50	ND	99	80-120	1	10	



2445 N Coyote Drive, Suite 104  
 Tucson, Arizona 85745  
 (520) 882-5880  
 Fax: (520) 882-9788  
 www.turnerlabs.com

# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER #

2300440

DATE: 4/13/23 PAGE 1 OF 2

SPECIFY ANALYSIS REQUESTED AND CHECK THE APPROPRIATE BOX

**PROJECT NAME:** Sierrita Groundwater Samples (Sulfate)  
**CONTACT NAME:** J. Joy/B. Dorris/B. Hart/B. Daigneau/T Baxter  
**COMPANY NAME:** Freeport McMoran - Sierrita  
**ADDRESS:** 6200 W Duval Mine Rd  
**CITY:** Green Valley **STATE:** AZ **ZIP CODE:** 85614  
**PHONE:** (520) 393-2625 or (520) 393-2014  
**SAMPLER'S SIGNATURE:**

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*
MH-30	4/11/23	0906		GW
MH-26C	4/11/23	1148		GW
PZ-8	4/12/23	0715		GW
MO-2007-2	4/12/23	0740		GW
MH-25C	4/12/23	0956		GW
MH-25B	4/12/23	1029		GW
MH-13B	4/12/23	1258		GW
MH-13C	4/13/23	1001		GW
MO-2007-5B	4/13/23	1309		GW
DUP20230411A	4/11/23	0000		GW
DUP20230413A	4/13/23	0000		GW

NUMBER OF CONTAINERS  
 SO4 by EPA 300 or EPA 375

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

**1. RELINQUISHED BY:**  
 Signature:   
 Printed Name: Jeff Joy  
 Freeport McMoran  
 Date/Time: 4/13/23 1506

**2. RECEIVED BY:**  
 Signature: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_  
 Freeport McMoran  
 Date/Time: \_\_\_\_\_

**TURNAROUND REQUIREMENTS:**  
 Standard (approx. 10 days)\*  
 Next day  
 2 Day  
 5 Day\*  
 \* X Email Preliminary Results To:  
 SEE COMMENTS BELOW  
 \* Working Days

**REPORT REQUIREMENTS:**  
 I. Routine Report  
 II. Report (Includes DUP, MS, MSD, as required, may be changed as samples)  
 III. Date Validation Report (Includes All Raw Data)  
 Add 10% to Invoice

**INVOICE INFORMATION:**  
 Account  X  Y  N  
 P.O. # **ZS00000BZ4**  
 Bill to: Freeport McMoran

**3. RELINQUISHED BY:**  
 Signature: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_  
 Freeport McMoran  
 Date/Time: \_\_\_\_\_

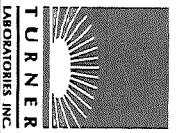
**4. RECEIVED BY:**  
 Signature:   
 Printed Name: Leanna Macey  
 Turner Laboratories Inc.  
 Date/Time: 4/13/23 1506

**\* LEGEND**  
 DW = DRINKING WATER  
 GW = GROUNDWATER  
 ST = STORMWATER

**SPECIAL INSTRUCTIONS/COMMENTS:** All samples have been field-filtered unless specified here

**Compliance Analysis:**  Yes  No  
**ADEQ Forms:**  Yes  No  
**Mail ADEQ Forms:**  Yes  No  
 Please cc all on results: jjoy@fmi.com / bdorris@fmi.com / whatt@fmi.com  
 bdaigneau@geo-logic.com / tbaxter@fmi.com

**SAMPLE RECEIPT:**  
 Total Containers 13  
 Temperature 26  
 Wet Ice  Blue Ice



2445 N Coyote Drive, Suite 104  
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 Fax: (520) 882-9788  
 www.turnerlabs.com

**CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM**

TURNER WORK ORDER # 2300440 DATE: 4/13/23 PAGE 2 OF 2

PROJECT NAME: Sierrita Groundwater Samples (Sulfate)

CONTACT NAME: J. Joy/B. Dorris/B. Hart/B. Daigneau/T Baxter

COMPANY NAME: Freeport McMoran - Sierrita

ADDRESS: 6200 W Duval Mine Rd

CITY: Green Valley STATE: AZ ZIP CODE: 85614

PHONE: (520) 393-2625 or (520) 393-2014

SAMPLER'S SIGNATURE: \_\_\_\_\_

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*
EQB20230413A	4/13/23	0000		GW
FB20230413A	4/13/23	0000		GW

NUMBER OF CONTAINERS  
 SO4 by EPA 300 or EPA 375

1. RELINQUISHED BY:	2. RECEIVED BY:	TURNAROUND REQUIREMENTS:	REPORT REQUIREMENTS:	INVOICE INFORMATION:	SAMPLE RECEIPT:
Signature: _____ Jeff Joy	Signature: _____ Freetport McMoran	<input checked="" type="checkbox"/> Standard (approx. 10 days)* <input type="checkbox"/> Next day <input type="checkbox"/> 2 Day <input type="checkbox"/> 5 Day* * Working Days	<input checked="" type="checkbox"/> I. Routine Report <input type="checkbox"/> II. Report (Includes DUP, MS, MSD, as required, may be changed as samples) <input type="checkbox"/> III. Date Validation Report (Includes All Raw Data) Add 10% to Invoice	Account <input type="checkbox"/> X <input type="checkbox"/> Y <input type="checkbox"/> N P.O. # <b>ZS00000BZ4</b>	Total Containers 13 Temperature _____ <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Blue Ice

3. RELINQUISHED BY: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Freetport McMoran  
 4/13/23  
 Date/Time: 1506

4. RECEIVED BY: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Freetport McMoran  
 Date/Time: \_\_\_\_\_

\* LEGEND  
 DW = DRINKING WATER  
 GW = GROUNDWATER  
 ST = STORMWATER

SPECIAL INSTRUCTIONS/COMMENTS: All samples have been field-filtered unless specified here

Compliance Analysis:  Yes  No  
 ADEQ Forms:  Yes  No  
 Mail ADEQ Forms:  Yes  No  
 Container Intact:   
 COC/Labels Agree:   
 Preservation Confirmation:   
 Appropriate Head Space:   
 Received Within Hold Time:

Printed Name: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Freetport McMoran  
 Date/Time: \_\_\_\_\_

May 04, 2023

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

Project ID: ZS000009YQ - SULFATE ONLY

ACZ Project ID: L79683

Jeff Joy:

Enclosed are the analytical results for sample(s) submitted to ACZ Laboratories, Inc. (ACZ) on April 06, 2023. This project has been assigned to ACZ's project number, L79683. 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 L79683. Each section of this report has been reviewed and approved by the appropriate Laboratory Supervisor, or a qualified substitute.

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

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

All samples and sub-samples associated with this project will be disposed of after June 03, 2023. 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.



**FMI Gold & Copper - Sierrita**

Project ID: ZS000009YQ

Sample ID: MH-28

ACZ Sample ID: **L79683-01**

Date Sampled: 04/05/23 06:15

Date Received: 04/06/23

Sample Matrix: Groundwater

## Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	50	1750			mg/L	50	250	04/21/23 11:46	bls

**Arizona license number: AZ0102**



**FMI Gold & Copper - Sierrita**

Project ID: ZS000009YQ

Sample ID: MH-29

ACZ Sample ID: **L79683-02**

Date Sampled: 04/05/23 07:20

Date Received: 04/06/23

Sample Matrix: Groundwater

## Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
Sulfate	D516-02/-07/-11 - TURBIDIMETRIC	50	1570			mg/L	50	250	04/21/23 11:46	bls

Arizona license number: AZ0102

**FMI Gold & Copper - Sierrita**

Project ID: ZS000009YQ

██████████ ██████████

ACZ Sample ID: **L79683-03**

Date Sampled: ██████████

Date Received: ██████████

Sample Matrix: ██████████

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
██████████	████████████████████	█	████			████	█	█	██████████	█

Arizona license number: AZ0102

**FMI Gold & Copper - Sierrita**

Project ID: ZS000009YQ

██████████ ██████████

ACZ Sample ID: **L79683-04**

Date Sampled: ██████████

Date Received: ██████████

Sample Matrix: ██████████

Wet Chemistry

Parameter	EPA Method	Dilution	Result	Qual	XQ	Units	MDL	PQL	Date	Analyst
██████████	████████████████████	█	██████████			██████████	█	█	██████████	█

Arizona license number: AZ0102

**Report Header Explanations**

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

**QC Sample Types**

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

<https://acz.com/wp-content/uploads/2019/04/Ext-Qual-List.pdf>



















FMI Gold & Copper - Sierrita

ACZ Project ID: **L79683**

ACZ ID	WORKNUM	PARAMETER	METHOD	QUAL	DESCRIPTION

**FMI Gold & Copper - Sierrita**

ACZ Project ID: **L79683**

No certification qualifiers associated with this analysis

FMI Gold & Copper - Sierrita  
 ZS000009YQ

ACZ Project ID: L79683  
 Date Received: 04/06/2023 12:20  
 Received By:  
 Date Printed: 4/7/2023

**Receipt Verification**

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

**Samples/Containers**

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

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?
3495	3.7	<=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.

FMI Gold & Copper - Sierrita  
ZS000009YQ

ACZ Project ID: L79683  
Date Received: 04/06/2023 12:20  
Received By:  
Date Printed: 4/7/2023

<sup>1</sup> 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<sub>2</sub>S<sub>2</sub>O<sub>3</sub> preserved vial (organics), and HG-1631 (total/dissolved mercury by method 1631).



Laboratories, Inc.

L79183

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

CHAIN of CUSTODY

Report to:

Name: Jeff Joy  
 Company: Freeport-McMoRan Sierrita  
 E-mail: jjoy@fmi.com

Address: 6200 W. Duval Mine Road  
 Green Valley, AZ 85614  
 Telephone: 520-393-2269

Copy of Report to:

Name: B Dorris, T Baxter, J Joy  
 Company:

E-mail: bdorris@fmi.com, jjoy@fmi.com, tbaxter@fmi.com  
 Telephone: 520-393-2625

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

PROJECT INFORMATION

ANALYSES REQUESTED (attach list or use quote number)

Quote #:  
 Project/PO #: ZS000009YQ  
 Reporting state for compliance testing:  
 Sampler's Name: Jeff Joy  
 Are any samples NRC licensable material? Yes No

SAMPLE IDENTIFICATION	DATE:TIME	Matrix	# of Containers	Ambient	8260B										
MH-28	4/5/23 : 0615	GW	8	x	x										
MH-29	4/5/23 : 0720	GW	8	x	x										
MH-18	4/5/23 : 0831	GW	8	x	x										
MH-23	4/5/23 : 1106	GW	8	x	x										
TB20230405A	4/5/23 : 0600	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

MH-28 & MH-29: Copy of report to Ben Daigneau contains only "SO4" results with QC Summary. bdaigneau@geo-logic.com  
 "Other" = DI water  
 UPS Tracking # 1Z 867 7E4 22 1000 682 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	4/5/23 : 1530		4/6/23 12:20







May 09, 2023

Jeff Joy  
Freeport McMoran Sierrita Ops  
6200 W. Duval Mine Rd., PO Box 527  
Green Valley, AZ 85622

TEL (520) 393-4345  
FAX (520) 648-8608

RE: Groundwater

Work Order No.: 23D0597  
Order Name: Sierrita Groundwater  
Samples (Sulfate)

Dear Jeff Joy,

Turner Laboratories, Inc. received 12 sample(s) on 04/20/2023 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.  
ADHS License AZ0066

Elizabeth Kasik  
Laboratory Director

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0597  
**Date Received:** 04/20/2023

**Order:** Sierrita Groundwater Samples (Sulfate)

## Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
23D0597-01	MO-2007-5C	Ground Water	04/17/2023 1039
23D0597-02	MO-2007-6B	Ground Water	04/17/2023 1229
23D0597-03	MO-2007-6A	Ground Water	04/17/2023 1312
23D0597-04	MO-2007-1C	Ground Water	04/18/2023 0907
23D0597-05	MO-2007-1B	Ground Water	04/18/2023 1059
23D0597-06	MO-2007-1A	Ground Water	04/18/2023 1135
23D0597-07	PZ-7	Ground Water	04/18/2023 1227
23D0597-08	MO-2007-3C	Ground Water	04/19/2023 0805
23D0597-09	MO-2207-3B	Ground Water	04/19/2023 0949
23D0597-10	DUP20230419A	Ground Water	04/19/2023 0000
23D0597-11	EQB20230419A	Ground Water	04/19/2023 0000
23D0597-12	FB20230419A	Ground Water	04/19/2023 0000

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0597  
**Date Received:** 04/20/2023

**Case Narrative**

---

E8 Analyte reported to MDL per project specification. Target analyte was not detected in the sample.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND Not Detected at or above the PQL

PQL Practical Quantitation Limit

DF Dilution Factor

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0597  
**Lab Sample ID:** 23D0597-01

**Client Sample ID:** MO-2007-5C  
**Collection Date/Time:** 04/17/2023 1039  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	162	28.1	50.0		mg/L	10	04/20/2023 1000	04/26/2023 0250	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0597  
**Lab Sample ID:** 23D0597-02

**Client Sample ID:** MO-2007-6B  
**Collection Date/Time:** 04/17/2023 1229  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	47.4	2.81	5.00		mg/L	1	04/20/2023 1000	04/20/2023 2118	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0597  
**Lab Sample ID:** 23D0597-03

**Client Sample ID:** MO-2007-6A  
**Collection Date/Time:** 04/17/2023 1312  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	6.01	2.81	5.00		mg/L	1	04/20/2023 1000	04/20/2023 2137	ACG



**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0597  
**Lab Sample ID:** 23D0597-04

**Client Sample ID:** MO-2007-1C  
**Collection Date/Time:** 04/18/2023 0907  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	15.6	2.81	5.00		mg/L	1	04/20/2023 1000	05/08/2023 2342	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0597  
**Lab Sample ID:** 23D0597-05

**Client Sample ID:** MO-2007-1B  
**Collection Date/Time:** 04/18/2023 1059  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	11.7	2.81	5.00		mg/L	1	04/20/2023 1000	05/09/2023 0008	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0597  
**Lab Sample ID:** 23D0597-06

**Client Sample ID:** MO-2007-1A  
**Collection Date/Time:** 04/18/2023 1135  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	20.5	2.81	5.00		mg/L	1	04/20/2023 1000	04/20/2023 2235	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0597  
**Lab Sample ID:** 23D0597-07

**Client Sample ID:** PZ-7  
**Collection Date/Time:** 04/18/2023 1227  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	590	281	500		mg/L	100	04/20/2023 1000	04/26/2023 0329	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0597  
**Lab Sample ID:** 23D0597-08

**Client Sample ID:** MO-2007-3C  
**Collection Date/Time:** 04/19/2023 0805  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	107	28.1	50.0		mg/L	10	04/20/2023 1000	05/02/2023 0754	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0597  
**Lab Sample ID:** 23D0597-09

**Client Sample ID:** MO-2207-3B  
**Collection Date/Time:** 04/19/2023 0949  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	37.7	2.81	5.00		mg/L	1	04/20/2023 1000	04/21/2023 0051	ACG



**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0597  
**Lab Sample ID:** 23D0597-10

**Client Sample ID:** DUP20230419A  
**Collection Date/Time:** 04/19/2023 0000  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	37.6	2.81	5.00		mg/L	1	04/20/2023 1000	04/21/2023 0110	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0597  
**Lab Sample ID:** 23D0597-11

**Client Sample ID:** EQB20230419A  
**Collection Date/Time:** 04/19/2023 0000  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	ND	2.81	5.00	E8	mg/L	1	04/20/2023 1000	04/21/2023 0130	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Groundwater  
**Work Order:** 23D0597  
**Lab Sample ID:** 23D0597-12

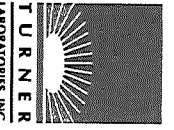
**Client Sample ID:** FB20230419A  
**Collection Date/Time:** 04/19/2023 0000  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	ND	2.81	5.00	E8	mg/L	1	04/20/2023 1000	04/21/2023 0149	ACG

Client: Freeport McMoran Sierrita Ops  
 Project: Groundwater  
 Work Order: 23D0597  
 Date Received: 04/20/2023

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
<b>Batch 2304207 - E300.0 (2.1)</b>										
<b>Blank (2304207-BLK1)</b>				Prepared & Analyzed: 04/20/2023						
Sulfate	ND	5.00	mg/L							
<b>LCS (2304207-BS1)</b>				Prepared & Analyzed: 04/20/2023						
Sulfate	12	5.00	mg/L	12.50		99	90-110			
<b>LCS Dup (2304207-BSD1)</b>				Prepared & Analyzed: 04/20/2023						
Sulfate	12	5.00	mg/L	12.50		98	90-110	0.9	10	
<b>Matrix Spike (2304207-MS1)</b>				Source: 23D0594-02		Prepared: 04/20/2023 Analyzed: 04/26/2023				
Sulfate	13	5.00	mg/L	12.50	ND	107	80-120			
<b>Matrix Spike (2304207-MS2)</b>				Source: 23D0597-03		Prepared: 04/20/2023 Analyzed: 04/28/2023				
Sulfate	18	5.00	mg/L	12.50	6.0	93	80-120			
<b>Matrix Spike (2304207-MS3)</b>				Source: 23D0597-11		Prepared: 04/20/2023 Analyzed: 04/28/2023				
Sulfate	13	5.00	mg/L	12.50	ND	100	80-120			
<b>Matrix Spike Dup (2304207-MSD1)</b>				Source: 23D0594-02		Prepared: 04/20/2023 Analyzed: 04/26/2023				
Sulfate	13	5.00	mg/L	12.50	ND	107	80-120	0.7	10	
<b>Matrix Spike Dup (2304207-MSD2)</b>				Source: 23D0597-03		Prepared: 04/20/2023 Analyzed: 04/28/2023				
Sulfate	18	5.00	mg/L	12.50	6.0	93	80-120	0.008	10	
<b>Matrix Spike Dup (2304207-MSD3)</b>				Source: 23D0597-11		Prepared: 04/20/2023 Analyzed: 04/28/2023				
Sulfate	13	5.00	mg/L	12.50	ND	102	80-120	1	10	



2445 N Coyote Drive, Suite 104  
 Tucson, Arizona 85745  
 (520) 882-5880  
 Fax: (520) 882-9788  
 www.turnerlabs.com

# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER #

2300597

DATE: 4/20/23 PAGE 1 OF 2

PROJECT NAME: Sierrita Groundwater Samples (Sulfate)

CONTACT NAME: J. Joy/B. Dorris/B. Hart/B. Daigneau/T Baxter

COMPANY NAME: Freeport McMoran - Sierrita

ADDRESS: 6200 W Duval Mine Rd

CITY: Green Valley STATE: AZ ZIP CODE: 85614

PHONE: (520) 393-2625 or (520) 393-2014

SAMPLER'S SIGNATURE: \_\_\_\_\_

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*
MO-2007-5C	4/17/23	1039		GW
MO-2007-6B	4/17/23	1229		GW
MO-2007-6A	4/17/23	1312		GW
MO-2007-1C	4/18/23	0907		GW
MO-2007-1B	4/18/23	1059		GW
MO-2007-1A	4/18/23	1135		GW
PZ-7	4/18/23	1227		GW
MO-2007-3C	4/19/23	0805		GW
MO-2007-3B	4/19/23	0949		GW
DUP20230419A	4/19/23	0000		GW
EQB20230419A	4/19/23	0000		GW

NUMBER OF CONTAINERS  
 SO4 by EPA 300 or EPA 375

1	2	3	4	5	6	7	8	9	10	11	12
X	X	X	X	X	X	X	X	X	X	X	X

1. RELINQUISHED BY: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Jeff Joy  
 Date/Time: 4/20/23 1458

2. RECEIVED BY: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_  
 Date/Time: 4/20/23

3. RELINQUISHED BY: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_  
 Date/Time: 4/20/23

4. RECEIVED BY: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_  
 Date/Time: 4/20/23

TURNAROUND REQUIREMENTS:  
 Standard (approx. 10 days)\*  
 Next day  
 2 Day  
 5 Day\*

SEE COMMENTS BELOW  
 \* Working Days

REPORT REQUIREMENTS:  
 I. Routine Report  
 II. Report (includes DUP, MS, MSD, as required, may be charged as samples)  
 III. Date Validation Report (includes All Raw Data)  
 Add 10% to Invoice

INVOICE INFORMATION:  
 Account: X Y N  
 P.O. # ZS00000BZ4  
 Bill to: Freeport McMoran

SAMPLE RECEIPT:  
 Total Containers: 12  
 Temperature: 9.3  
 Wet Ice  Blue Ice

SPECIAL INSTRUCTIONS/COMMENTS: All samples have been field-filtered unless specified here

Compliance Analysis:  Yes  No  
 ADEQ Forms:  Yes  No  
 Mail ADEQ Forms:  Yes  No  
 COC/Labels Agree:  Yes  No  
 Received Within Hold Time:  Yes  No

Container Seals:  Preservation Confirmation  
 Container Intact:  Appropriate Head Space  
 Received Within Hold Time:  Yes  No

TURNER LABORATORIES INC. www.turnerlabs.com

TURNER WORK ORDER # 2300597

DATE: 4/20/23 PAGE 2 OF 2

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

2445 N Coyote Drive, Suite 104 Tucson, Arizona 85745 (520) 882-5880 Fax: (520) 882-9788

PROJECT NAME: Sierrita Groundwater Samples (Sulfate)

CONTACT NAME: J. Joy/B. Dorrts/B. Hart/B. Daigneau/T Baxter

COMPANY NAME: Freeport McMoran - Sierrita

ADDRESS: 6200 W Duval Mine Rd

CITY: Green Valley STATE: AZ ZIP CODE: 85614

PHONE: (520) 393-2625 or (520) 393-2014

SAMPLER'S SIGNATURE: \_\_\_\_\_

NUMBER OF CONTAINERS SO4 by EPA 300 or EPA 375

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*
FB20230419A	4/19/23	0000		GW

SPECIFY ANALYSIS REQUESTED AND CHECK THE APPROPRIATE BOX			

1. RELINQUISHED BY:

Signature: \_\_\_\_\_  
Jeff Joy

Freepport McMoran  
Date/Time 4/20/23

1458

2. RECEIVED BY:

Signature: \_\_\_\_\_  
Printed Name: Freepport McMoran

Date/Time

3. RELINQUISHED BY:

Signature: \_\_\_\_\_  
Printed Name: Freepport McMoran

Date/Time

4. RECEIVED BY:

Signature: \_\_\_\_\_  
Printed Name: Turner Laboratories, Inc.

Date/Time

TURNAROUND REQUIREMENTS: X Standard (approx. 10 days)\* Next day 2 Day 5 Day\* X Email Preliminary Results To: SEE COMMENTS BELOW \* Working Days

\* LEGEND DW = DRINKING WATER GW = GROUNDWATER ST = STORMWATER

REPORT REQUIREMENTS: X I. Routine Report II. Report (Includes DUP, MS, MSD, as required, may be charged as samples) III. Date Validation Report (Includes All Raw Data) Add 10% to Invoice

INVOICE INFORMATION: Account X Y N P.O. # ZS00000BZ4 Bill to: Freepport McMoran

SAMPLE RECEIPT: Total Containers 12 Temperature 9.5 Wet Ice Blue Ice

SPECIAL INSTRUCTIONS/COMMENTS: All samples have been field-filtered unless specified here

Compliance Analysis: [X] Yes [ ] No Custody Seals [ ] Preservation Confirmation [X] ADEQ Forms: [ ] Yes [X] No Container Intact [X] Appropriate Head Space [ ] Mail ADEQ Forms: [ ] Yes [X] No COC/Labels Agree [X] Received Within Hold Time [ ]

Please cc all on results: jjoy@fmi.com / bdorrts@fmi.com / whart@fmi.com bdaigneau@geo-logic.com / tbaxter@fmi.com





May 26, 2023

Bill Hart  
Freeport McMoran Sierrita Ops  
6200 W. Duval Mine Rd., PO Box 527  
Green Valley, AZ 85622

TEL (520) 393-2014  
FAX (520) 648-8608

RE: Sulfate Analysis

Work Order No.: 23E0201  
Order Name: Sierrita Groundwater  
Samples (Sulfate)

Dear Bill Hart,

Turner Laboratories, Inc. received 8 sample(s) on 05/04/2023 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.  
ADHS License AZ0066

Elizabeth Kasik  
Laboratory Director

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0201  
**Date Received:** 05/04/2023

**Order: Sierrita Groundwater Samples (Sulfate)**

**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Matrix</b>	<b>Collection Date/Time</b>
23E0201-01	MO-2007-4C	Ground Water	05/01/2023 1025
23E0201-02	MO-2007-4B	Ground Water	05/01/2023 1216
23E0201-03	MO-2007-4A	Ground Water	05/01/2023 1253
23E0201-04	MO-2009-1	Ground Water	05/02/2023 0918
23E0201-05	M-10	Ground Water	05/02/2023 1142
23E0201-06	MW-2016-06	Ground Water	05/03/2023 0721
23E0201-07	MW-2016-05B	Ground Water	05/03/2023 1337
23E0201-08	MW-2016-05A	Ground Water	05/03/2023 1410

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0201  
**Date Received:** 05/04/2023

**Case Narrative**

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All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND Not Detected at or above the PQL

PQL Practical Quantitation Limit

DF Dilution Factor

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0201  
**Lab Sample ID:** 23E0201-01

**Client Sample ID:** MO-2007-4C  
**Collection Date/Time:** 05/01/2023 1025  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	94.9	28.1	50.0		mg/L	10	05/08/2023 2204	05/19/2023 1530	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0201  
**Lab Sample ID:** 23E0201-02

**Client Sample ID:** MO-2007-4B  
**Collection Date/Time:** 05/01/2023 1216  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	24.9	2.81	5.00		mg/L	1	05/08/2023 2204	05/09/2023 0306	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0201  
**Lab Sample ID:** 23E0201-03

**Client Sample ID:** MO-2007-4A  
**Collection Date/Time:** 05/01/2023 1253  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	33.3	2.81	5.00		mg/L	1	05/08/2023 2204	05/09/2023 0455	ACG



**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0201  
**Lab Sample ID:** 23E0201-04

**Client Sample ID:** MO-2009-1  
**Collection Date/Time:** 05/02/2023 0918  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	59.7	14.0	25.0		mg/L	5	05/08/2023 2204	05/19/2023 1550	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0201  
**Lab Sample ID:** 23E0201-05

**Client Sample ID:** M-10  
**Collection Date/Time:** 05/02/2023 1142  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	189	28.1	50.0		mg/L	10	05/08/2023 2204	05/19/2023 1609	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0201  
**Lab Sample ID:** 23E0201-06

**Client Sample ID:** MW-2016-06  
**Collection Date/Time:** 05/03/2023 0721  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	133	28.1	50.0		mg/L	10	05/08/2023 2204	05/19/2023 1628	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0201  
**Lab Sample ID:** 23E0201-07

**Client Sample ID:** MW-2016-05B  
**Collection Date/Time:** 05/03/2023 1337  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	67.3	14.0	25.0		mg/L	5	05/08/2023 2204	05/19/2023 1648	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0201  
**Lab Sample ID:** 23E0201-08

**Client Sample ID:** MW-2016-05A  
**Collection Date/Time:** 05/03/2023 1410  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

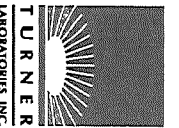
<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	29.0	2.81	5.00		mg/L	1	05/08/2023 2204	05/09/2023 0650	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0201  
**Date Received:** 05/04/2023

**QC Summary**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
<b>Batch 2305087 - E300.0 (2.1)</b>										
<b>Blank (2305087-BLK1)</b>				Prepared & Analyzed: 05/08/2023						
Sulfate	ND	5.00	mg/L							
<b>LCS (2305087-BS1)</b>				Prepared & Analyzed: 05/08/2023						
Sulfate	12	5.00	mg/L	12.50		98	90-110			
<b>LCS Dup (2305087-BSD1)</b>				Prepared & Analyzed: 05/08/2023						
Sulfate	12	5.00	mg/L	12.50		99	90-110	0.6	10	
<b>Matrix Spike (2305087-MS1)</b>				Source: 23E0201-02		Prepared: 05/08/2023 Analyzed: 05/24/2023				
Sulfate	150	50.0	mg/L	125.0	ND	118	80-120			
<b>Matrix Spike (2305087-MS2)</b>				Source: 23E0201-04		Prepared: 05/08/2023 Analyzed: 05/24/2023				
Sulfate	180	50.0	mg/L	125.0	62	93	80-120			
<b>Matrix Spike (2305087-MS3)</b>				Source: 23E0201-07		Prepared: 05/08/2023 Analyzed: 05/24/2023				
Sulfate	190	50.0	mg/L	125.0	73	92	80-120			
<b>Matrix Spike Dup (2305087-MSD1)</b>				Source: 23E0201-02		Prepared: 05/08/2023 Analyzed: 05/24/2023				
Sulfate	150	50.0	mg/L	125.0	ND	119	80-120	0.6	10	
<b>Matrix Spike Dup (2305087-MSD2)</b>				Source: 23E0201-04		Prepared: 05/08/2023 Analyzed: 05/24/2023				
Sulfate	180	50.0	mg/L	125.0	62	93	80-120	0.06	10	
<b>Matrix Spike Dup (2305087-MSD3)</b>				Source: 23E0201-07		Prepared: 05/08/2023 Analyzed: 05/24/2023				
Sulfate	190	50.0	mg/L	125.0	73	93	80-120	0.5	10	





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 Tucson, Arizona 85745  
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 Fax: (520) 882-9788  
 www.turnerlabs.com

TURNER WORK ORDER # 23E0201

DATE: 5/4/23 PAGE 1 OF 1

# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

**PROJECT NAME:** Sierrita Groundwater Samples (Sulfate)

**CONTACT NAME:** J. Joy/B. Dorris/B. Hart/B. Daigneau/T. Baxter

**COMPANY NAME:** Freeport McMoran - Sierrita

**ADDRESS:** 6200 W Duval Mine Rd

**CITY:** Green Valley **STATE:** AZ **ZIP CODE:** 85614

**PHONE:** (520) 393-2625 or (520) 393-2014

**SAMPLER'S SIGNATURE:**

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS
-------------	------	------	----------	----------------	----------------------

MO-2007-4C	5/1/23	1025		GW	1 X
MO-2007-4B	5/1/23	1216		GW	1 X
MO-2007-4A	5/1/23	1253		GW	1 X
MO-2009-1	5/2/23	0918		GW	1 X
M-10	5/2/23	1142		GW	1 X
MW-2016-06	5/3/23	0721		GW	1 X
MW-2016-05B	5/3/23	1337		GW	1 X
MW-2016-05A	5/3/23	1410		GW	1 X

SPECIFY ANALYSIS REQUESTED AND CHECK THE APPROPRIATE BOX	
SO4 by EPA 300 or EPA 375	

**1. RELINQUISHED BY:**  
 Signature:   
 Jeff Joy  
 Date/Time: 5/4/23

**2. RECEIVED BY:**  
 Signature:   
 Printed Name: Turner Laboratories, Inc.  
 Date/Time: 5/4/23

**3. RELINQUISHED BY:**  
 Signature:   
 Printed Name: Freeport McMoran  
 Date/Time: 5/4/23

**4. RECEIVED BY:**  
 Signature:   
 Printed Name: Turner Laboratories, Inc.  
 Date/Time: 5/4/23

**TURNAROUND REQUIREMENTS:**  
 Standard (approx. 10 days)\*  
 Next day  
 2 Day  
 5 Day\*  
 Email Preliminary Results To:  
**SEE COMMENTS BELOW**  
 \* Working Days

**\* LEGEND**  
 DW = DRINKING WATER  
 GW = GROUNDWATER  
 ST = STORMWATER

**REPORT REQUIREMENTS:**  
 I. Routine Report  
 II. Report (includes DUP, MS, MSD, as required, may be changed as samples)  
 III. Date Validation Report (includes All Raw Data)  
 Add 10% to Invoice

**INVOICE INFORMATION:**  
 Account: X Y N  
 P.O. # ZS00000BZ4  
 Bill to: Freeport McMoran

**SAMPLE RECEIPT:**  
 Total Containers 8  
 Temperature 215  
 I 234  
 Wet Ice  Blue Ice

**SPECIAL INSTRUCTIONS/COMMENTS:** All samples have been field-filtered unless specified here

Compliance Analysis:  Yes  No  
 ADEQ Forms:  Yes  No  
 Mail ADEQ Forms:  Yes  No  
 Container Intact   
 COC/Labels Agree   
 Preservation Confirmation   
 Appropriate Head Space   
 Received Within Hold Time

Please cc all on results: jjoy@fmi.com / bdorris@fmi.com / whatart@fmi.com  
 bdaigneau@geo-logic.com / tbaxter@fmi.com



May 30, 2023

Bill Hart  
Freeport McMoran Sierrita Ops  
6200 W. Duval Mine Rd., PO Box 527  
Green Valley, AZ 85622

TEL (520) 393-2014  
FAX (520) 648-8608

Work Order No.: 23E0408

RE: Sulfate Analysis

Dear Bill Hart,

Turner Laboratories, Inc. received 7 sample(s) on 05/11/2023 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.  
ADHS License AZ0066

Kevin Brim  
Project Manager

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0408  
**Date Received:** 05/11/2023

## Work Order Sample Summary

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Matrix</b>	<b>Collection Date/Time</b>
23E0408-01	CW-3	Ground Water	05/08/2023 0720
23E0408-02	NP-2	Ground Water	05/08/2023 1047
23E0408-03	CCGV	Ground Water	05/08/2023 1245
23E0408-04	ESP-4	Ground Water	05/10/2023 0835
23E0408-05	ESP-2	Ground Water	05/10/2023 0936
23E0408-06	ESP-3	Ground Water	05/10/2023 1032
23E0408-07	DUP20230510A	Ground Water	05/10/2023 0000

---

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0408  
**Date Received:** 05/11/2023

**Case Narrative**

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All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND Not Detected at or above the PQL

PQL Practical Quantitation Limit

DF Dilution Factor

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**Turner Laboratories, Inc.**

**Date: 05/30/2023**

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0408  
**Lab Sample ID:** 23E0408-01

**Client Sample ID:** CW-3  
**Collection Date/Time:** 05/08/2023 0720  
**Matrix:** Ground Water

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<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	71.4	28.1	50.0		mg/L	10	05/12/2023	100(05/26/2023	151 ACG

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**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0408  
**Lab Sample ID:** 23E0408-02

**Client Sample ID:** NP-2  
**Collection Date/Time:** 05/08/2023 1047  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	42.3	2.81	5.00		mg/L	1	05/12/2023	10005/12/2023	204 ACG



**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0408  
**Lab Sample ID:** 23E0408-03

**Client Sample ID:** CCGV  
**Collection Date/Time:** 05/08/2023 1245  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	98.7	28.1	50.0		mg/L	10	05/12/2023	100	05/26/2023 153 ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0408  
**Lab Sample ID:** 23E0408-04

**Client Sample ID:** ESP-4  
**Collection Date/Time:** 05/10/2023 0835  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	109	28.1	50.0		mg/L	10	05/12/2023	100/05/26/2023	155 ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0408  
**Lab Sample ID:** 23E0408-05

**Client Sample ID:** ESP-2  
**Collection Date/Time:** 05/10/2023 0936  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	32.8	2.81	5.00		mg/L	1	05/12/2023	10005/12/2023	213 ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0408  
**Lab Sample ID:** 23E0408-06

**Client Sample ID:** ESP-3  
**Collection Date/Time:** 05/10/2023 1032  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	36.2	2.81	5.00		mg/L	1	05/12/2023	10005/12/2023	215 ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0408  
**Lab Sample ID:** 23E0408-07

**Client Sample ID:** DUP20230510A  
**Collection Date/Time:** 05/10/2023 0000  
**Matrix:** Ground Water

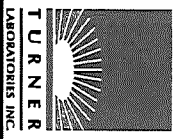
<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	36.2	2.81	5.00		mg/L	1	05/12/2023	100/05/12/2023	221 ACG

Client: Freeport McMoran Sierrita Ops  
 Project: Sulfate Analysis  
 Work Order: 23E0408  
 Date Received: 05/11/2023

**QC Summary**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
<b>Batch 2305153 - E300.0 (2.1)</b>										
<b>Blank (2305153-BLK1)</b>				Prepared & Analyzed: 05/12/2023						
Sulfate	ND	5.00	mg/L							
<b>LCS (2305153-BS1)</b>				Prepared & Analyzed: 05/12/2023						
Sulfate	12	5.00	mg/L	12.50		97	90-110			
<b>LCS Dup (2305153-BSD1)</b>				Prepared & Analyzed: 05/12/2023						
Sulfate	12	5.00	mg/L	12.50		97	90-110	0.2	10	
<b>Matrix Spike (2305153-MS1)</b>				Source: 23E0419-04		Prepared: 05/15/2023 Analyzed: 05/26/2023				
Sulfate	1400	500	mg/L	1250	ND	116	80-120			
<b>Matrix Spike (2305153-MS2)</b>				Source: 23E0408-02		Prepared: 05/15/2023 Analyzed: 05/26/2023				
Sulfate	170	50.0	mg/L	125.0	42	100	80-120			
<b>Matrix Spike Dup (2305153-MSD1)</b>				Source: 23E0419-04		Prepared: 05/15/2023 Analyzed: 05/26/2023				
Sulfate	1400	500	mg/L	1250	ND	115	80-120	0.3	10	
<b>Matrix Spike Dup (2305153-MSD2)</b>				Source: 23E0408-02		Prepared: 05/15/2023 Analyzed: 05/26/2023				
Sulfate	170	50.0	mg/L	125.0	42	100	80-120	0.2	10	





2445 N Coyote Drive, Suite 104  
 Tucson, Arizona 85745  
 (520) 882-5880  
 Fax: (520) 882-9788  
 www.turnerlabs.com

TURNER WORK ORDER # 2360408

DATE: 5/11/23 PAGE 1 OF 1

**CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM**

**PROJECT NAME:** Sierrita Groundwater Samples (Sulfate)

**CONTACT NAME:** J. Joy/B. Dorris/B. Hart/B. Daigneau/T. Baxter

**COMPANY NAME:** Freeport McMoran - Sierrita

**ADDRESS:** 6200 W Duval Mine Rd

**CITY:** Green Valley **STATE:** AZ **ZIP CODE:** 85614

**PHONE:** (520) 393-2625 or (520) 393-2014

**SAMPLER'S SIGNATURE:** \_\_\_\_\_

**NUMBER OF CONTAINERS**

SO4 by EPA 300 or EPA 375

**SPECIFY ANALYSIS REQUESTED AND CHECK THE APPROPRIATE BOX**

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
CW-3	5/8/23	0720		GW	1	X																			
NP-2	5/8/23	1047		GW	1	X																			
CCGV	5/8/23	1245		GW	1	X																			
ESP-4	5/10/23	0835		GW	1	X																			
ESP-2	5/10/23	0936		GW	1	X																			
ESP-3	5/10/23	1032		GW	1	X																			
DUP20230510A	5/10/23	0000		GW	1	X																			

**1. RELINQUISHED BY:**  
 Signature: \_\_\_\_\_  
 Jeff Joy

**2. RECEIVED BY:**  
 Signature: \_\_\_\_\_  
 Printed Name: Freeport McMoran  
 Date/Time: 5/11/23

**3. RELINQUISHED BY:**  
 Signature: \_\_\_\_\_  
 Printed Name: Freeport McMoran  
 Date/Time: 5/11/23

**4. RECEIVED BY:**  
 Signature: \_\_\_\_\_  
 Printed Name: Turner Laboratories, Inc  
 Date/Time: 5/11/23

**TURNAROUND REQUIREMENTS:**  
 Standard (approx. 10 days)\*  
 Next day  
 2 Day  
 5 Day\*  
 \* Email Preliminary Results To:  
 SEE COMMENTS BELOW  
 \* Working Days

**REPORT REQUIREMENTS:**  
 I. Routine Report  
 II. Report (includes DUP, MS, MSD, as required, may be changed as samples)  
 III. Date Validation Report (includes All Raw Data)  
 Add 10% to invoice

**INVOICE INFORMATION:**  
 Account: X Y N  
 P.O. # **Z500000BZ4**  
 Bill to: Freeport McMoran

**SAMPLE RECEIPT:**  
 Total Containers: 7  
 Temperature: 83.1  
 Wet Ice  Blue Ice

**\* LEGEND**  
 DW = DRINKING WATER  
 GW = GROUNDWATER  
 ST = STORMWATER

**SPECIAL INSTRUCTIONS/COMMENTS:** All samples have been field-filtered unless specified here

**Compliance Analysis:**  Yes  No

**Container Intact:**  Yes  No

**Appropriate Head Space:**  Yes  No

**Received Within Hold Time:**  Yes  No

**Preservation Confirmation:**  Yes  No

**Mail ADEQ Forms:**  Yes  No

**COC/Labels Agree:**  Yes  No

Please cc all on results: jjoy@fmi.com / bdorris@fmi.com / what@fmi.com  
 bdaigneau@geo-logic.com / tbaxter@fmi.com



June 07, 2023

Bill Hart  
Freeport McMoran Sierrita Ops  
6200 W. Duval Mine Rd., PO Box 527  
Green Valley, AZ 85622

TEL (520) 393-2014  
FAX (520) 648-8608

Work Order No.: 23E0584

RE: Sulfate Analysis

Dear Bill Hart,

Turner Laboratories, Inc. received 44 sample(s) on 05/18/2023 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.  
ADHS License AZ0066

Elizabeth Kasik  
Laboratory Director

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Date Received:** 05/18/2023

## Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
23E0584-01	MC-2	Ground Water	05/15/2023 1135
23E0584-02	MH-10	Ground Water	05/15/2023 1245
23E0584-03	MH-11	Ground Water	05/15/2023 1120
23E0584-04	M-20	Ground Water	05/15/2023 0945
23E0584-05	FFS-1	Ground Water	05/15/2023 1045
23E0584-06	FFS-2	Ground Water	05/15/2023 1040
23E0584-07	PS-4	Ground Water	05/15/2023 0955
23E0584-08	PS-1	Ground Water	05/15/2023 1005
23E0584-09	PS-2	Ground Water	05/15/2023 1010
23E0584-10	PS-3	Ground Water	05/15/2023 1020
23E0584-11	DUP20230515A	Ground Water	05/15/2023 0000
23E0584-12	FB2023515A	Ground Water	05/15/2023 0000
23E0584-13	EQB20230515A	Ground Water	05/15/2023 0000
23E0584-14	IW-21	Ground Water	05/16/2023 0920
23E0584-15	EQB20230516A	Ground Water	05/16/2023 0000
23E0584-16	FB20230516A	Ground Water	05/16/2023 0000
23E0584-17	DUP20230516B	Ground Water	05/16/2023 0000
23E0584-18	IW-3A	Ground Water	05/16/2023 1302
23E0584-19	IW-25	Ground Water	05/16/2023 1255
23E0584-20	IW-4	Ground Water	05/16/2023 1232
23E0584-21	IW-24	Ground Water	05/16/2023 1227
23E0584-22	IW-27	Ground Water	05/16/2023 1222
23E0584-23	DUP20230516A	Ground Water	05/16/2023 0000
23E0584-24	IW-2A	Ground Water	05/16/2023 1312
23E0584-25	IW-23	Ground Water	05/16/2023 1215
23E0584-26	IW-29	Ground Water	05/16/2023 1205
23E0584-27	IW-12	Ground Water	05/16/2023 1030
23E0584-28	IW-28	Ground Water	05/16/2023 1155
23E0584-29	IW-26	Ground Water	05/16/2023 1237
23E0584-30	IW-8	Ground Water	05/16/2023 1251
23E0584-31	IW-10	Ground Water	05/16/2023 1209
23E0584-32	IW-11	Ground Water	05/16/2023 1145

23E0584-33	IW-19	Ground Water	05/16/2023 1015
23E0584-34	IW-1	Ground Water	05/16/2023 1318
23E0584-35	IW-9	Ground Water	05/16/2023 1244
23E0584-36	MC-3	Ground Water	05/17/2023 0953
23E0584-37	FFS-3	Ground Water	05/17/2023 0922
23E0584-38	FFS-5	Ground Water	05/17/2023 0939
23E0584-39	FFS-6	Ground Water	05/17/2023 0945
23E0584-40	FFS-4	Ground Water	05/17/2023 0932
23E0584-41	MC-1	Ground Water	05/17/2023 0915
23E0584-42	COTONIAWELL	Ground Water	05/18/2023 0716
23E0584-43	GV-2	Ground Water	05/18/2023 0749
23E0584-44	SIWELL	Ground Water	05/18/2023 0831

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Date Received:** 05/18/2023

**Case Narrative**

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E8 Analyte reported to MDL per project specification. Target analyte was not detected in the sample.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND Not Detected at or above the PQL

PQL Practical Quantitation Limit

DF Dilution Factor

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-01

**Client Sample ID:** MC-2  
**Collection Date/Time:** 05/15/2023 1135  
**Matrix:** Ground Water

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	869	281	500		mg/L	100	05/19/2023 1000	05/27/2023 0405	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-02

**Client Sample ID:** MH-10  
**Collection Date/Time:** 05/15/2023 1245  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1520	281	500		mg/L	100	05/19/2023 1000	05/27/2023 0425	ACG



**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-03

**Client Sample ID:** MH-11  
**Collection Date/Time:** 05/15/2023 1120  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1530	281	500		mg/L	100	05/19/2023 1000	05/27/2023 0444	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-04

**Client Sample ID:** M-20  
**Collection Date/Time:** 05/15/2023 0945  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1160	281	500		mg/L	100	05/19/2023 1000	05/27/2023 0503	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-05

**Client Sample ID:** FFS-1  
**Collection Date/Time:** 05/15/2023 1045  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1770	281	500		mg/L	100	05/19/2023 1000	05/27/2023 0523	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-06

**Client Sample ID:** FFS-2  
**Collection Date/Time:** 05/15/2023 1040  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1810	281	500		mg/L	100	05/19/2023 1000	05/27/2023 0542	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-07

**Client Sample ID:** PS-4  
**Collection Date/Time:** 05/15/2023 0955  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1180	281	500		mg/L	100	05/19/2023 1000	05/30/2023 1717	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-08

**Client Sample ID:** PS-1  
**Collection Date/Time:** 05/15/2023 1005  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1300	281	500		mg/L	100	05/19/2023 1000	05/30/2023 1736	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-09

**Client Sample ID:** PS-2  
**Collection Date/Time:** 05/15/2023 1010  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	896	281	500		mg/L	100	05/19/2023 1000	05/30/2023 1756	ACG



**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-10

**Client Sample ID:** PS-3  
**Collection Date/Time:** 05/15/2023 1020  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	692	281	500		mg/L	100	05/19/2023 1000	05/30/2023 1815	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-11

**Client Sample ID:** DUP20230515A  
**Collection Date/Time:** 05/15/2023 0000  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	905	281	500		mg/L	100	05/19/2023 1000	05/30/2023 1834	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-12

**Client Sample ID:** FB2023515A  
**Collection Date/Time:** 05/15/2023 0000  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	ND	2.81	5.00	E8	mg/L	1	05/19/2023 1000	05/20/2023 0659	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-13

**Client Sample ID:** EQB20230515A  
**Collection Date/Time:** 05/15/2023 0000  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	ND	2.81	5.00	E8	mg/L	1	05/19/2023 1000	05/20/2023 0719	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-14

**Client Sample ID:** IW-21  
**Collection Date/Time:** 05/16/2023 0920  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1720	281	500		mg/L	100	05/19/2023 1000	05/30/2023 1854	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-15

**Client Sample ID:** EQB20230516A  
**Collection Date/Time:** 05/16/2023 0000  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	ND	2.81	5.00	E8	mg/L	1	05/22/2023 1030	05/30/2023 1913	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-16

**Client Sample ID:** FB20230516A  
**Collection Date/Time:** 05/16/2023 0000  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	ND	2.81	5.00	E8	mg/L	1	05/22/2023 1030	05/30/2023 1932	ACG



**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-17

**Client Sample ID:** DUP20230516B  
**Collection Date/Time:** 05/16/2023 0000  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1800	281	500		mg/L	100	05/22/2023 1030	05/30/2023 2109	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-18

**Client Sample ID:** IW-3A  
**Collection Date/Time:** 05/16/2023 1302  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1780	281	500		mg/L	100	05/22/2023 1030	05/30/2023 2128	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-19

**Client Sample ID:** IW-25  
**Collection Date/Time:** 05/16/2023 1255  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	760	140	250		mg/L	50	05/22/2023 1030	06/01/2023 1733	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-20

**Client Sample ID:** IW-4  
**Collection Date/Time:** 05/16/2023 1232  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1870	140	250		mg/L	50	05/22/2023 1030	05/31/2023 0945	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-21

**Client Sample ID:** IW-24  
**Collection Date/Time:** 05/16/2023 1227  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	2030	140	250		mg/L	50	05/22/2023 1030	05/31/2023 1004	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-22

**Client Sample ID:** IW-27  
**Collection Date/Time:** 05/16/2023 1222  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1620	281	500		mg/L	100	05/22/2023 1030	05/31/2023 1024	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-23

**Client Sample ID:** DUP20230516A  
**Collection Date/Time:** 05/16/2023 0000  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1850	281	500		mg/L	100	05/22/2023 1030	05/31/2023 1043	ACG



**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-24

**Client Sample ID:** IW-2A  
**Collection Date/Time:** 05/16/2023 1312  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	248	28.1	50.0		mg/L	10	05/22/2023 1030	05/22/2023 2118	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-25

**Client Sample ID:** IW-23  
**Collection Date/Time:** 05/16/2023 1215  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1830	281	500		mg/L	100	05/22/2023 1030	05/31/2023 1103	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-26

**Client Sample ID:** IW-29  
**Collection Date/Time:** 05/16/2023 1205  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1750	281	500		mg/L	100	05/22/2023 1030	05/31/2023 1122	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-27

**Client Sample ID:** IW-12  
**Collection Date/Time:** 05/16/2023 1030  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1620	281	500		mg/L	100	05/22/2023 1030	05/31/2023 1141	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-28

**Client Sample ID:** IW-28  
**Collection Date/Time:** 05/16/2023 1155  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1780	281	500		mg/L	100	05/22/2023 1030	06/01/2023 0711	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-29

**Client Sample ID:** IW-26  
**Collection Date/Time:** 05/16/2023 1237  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1730	281	500		mg/L	100	05/22/2023 1030	06/01/2023 0730	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-30

**Client Sample ID:** IW-8  
**Collection Date/Time:** 05/16/2023 1251  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1880	281	500		mg/L	100	05/22/2023 1030	06/01/2023 0749	ACG



**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-31

**Client Sample ID:** IW-10  
**Collection Date/Time:** 05/16/2023 1209  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1870	281	500		mg/L	100	05/22/2023 1030	06/01/2023 2105	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-32

**Client Sample ID:** IW-11  
**Collection Date/Time:** 05/16/2023 1145  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1810	281	500		mg/L	100	05/22/2023 1030	06/01/2023 2125	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-33

**Client Sample ID:** IW-19  
**Collection Date/Time:** 05/16/2023 1015  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1920	281	500		mg/L	100	05/22/2023 1030	06/01/2023 2144	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-34

**Client Sample ID:** IW-1  
**Collection Date/Time:** 05/16/2023 1318  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1100	281	500		mg/L	100	05/22/2023 1030	06/01/2023 2203	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-35

**Client Sample ID:** IW-9  
**Collection Date/Time:** 05/16/2023 1244  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1850	281	500		mg/L	100	05/22/2023 1030	06/01/2023 2223	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-36

**Client Sample ID:** MC-3  
**Collection Date/Time:** 05/17/2023 0953  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1420	281	500		mg/L	100	05/22/2023 1030	06/01/2023 2242	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-37

**Client Sample ID:** FFS-3  
**Collection Date/Time:** 05/17/2023 0922  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1540	281	500		mg/L	100	05/22/2023 1030	06/01/2023 2302	ACG



**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-38

**Client Sample ID:** FFS-5  
**Collection Date/Time:** 05/17/2023 0939  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1590	281	500		mg/L	100	05/22/2023 1030	06/02/2023 0038	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-39

**Client Sample ID:** FFS-6  
**Collection Date/Time:** 05/17/2023 0945  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1470	281	500		mg/L	100	05/22/2023 1030	06/02/2023 0058	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-40

**Client Sample ID:** FFS-4  
**Collection Date/Time:** 05/17/2023 0932  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1420	281	500		mg/L	100	05/22/2023 1030	06/02/2023 0117	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-41

**Client Sample ID:** MC-1  
**Collection Date/Time:** 05/17/2023 0915  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	1780	281	500		mg/L	100	05/22/2023 1030	06/02/2023 0136	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-42

**Client Sample ID:** COTONIAWELL  
**Collection Date/Time:** 05/18/2023 0716  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	32.2	2.81	5.00		mg/L	1	05/22/2023 1030	06/02/2023 0156	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-43

**Client Sample ID:** GV-2  
**Collection Date/Time:** 05/18/2023 0749  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	59.0	28.1	50.0		mg/L	10	05/22/2023 1030	05/23/2023 0601	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0584  
**Lab Sample ID:** 23E0584-44

**Client Sample ID:** SIWELL  
**Collection Date/Time:** 05/18/2023 0831  
**Matrix:** Ground Water

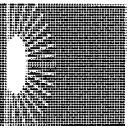
<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	7.74	2.81	5.00		mg/L	1	05/22/2023 1030	06/02/2023 0215	ACG

Client: Freeport McMoran Sierrita Ops  
 Project: Sulfate Analysis  
 Work Order: 23E0584  
 Date Received: 05/18/2023

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
<b>Batch 2305208 - E300.0 (2.1)</b>										
<b>Blank (2305208-BLK1)</b>				Prepared & Analyzed: 05/19/2023						
Sulfate	ND	5.00	mg/L							
<b>LCS (2305208-BS1)</b>				Prepared & Analyzed: 05/19/2023						
Sulfate	12	5.00	mg/L	12.50		97	90-110			
<b>LCS Dup (2305208-BSD1)</b>				Prepared & Analyzed: 05/19/2023						
Sulfate	12	5.00	mg/L	12.50		97	90-110	0.04	10	
<b>Matrix Spike (2305208-MS1)</b>				Source: 23E0584-13		Prepared: 05/19/2023 Analyzed: 06/03/2023				
Sulfate	130	50.0	mg/L	125.0	ND	104	80-120			
<b>Matrix Spike (2305208-MS2)</b>				Source: 23E0584-12		Prepared: 05/19/2023 Analyzed: 06/03/2023				
Sulfate	13	5.00	mg/L	12.50	ND	106	80-120			
<b>Matrix Spike Dup (2305208-MSD1)</b>				Source: 23E0584-13		Prepared: 05/19/2023 Analyzed: 06/03/2023				
Sulfate	130	50.0	mg/L	125.0	ND	104	80-120	0.6	10	
<b>Matrix Spike Dup (2305208-MSD2)</b>				Source: 23E0584-12		Prepared: 05/19/2023 Analyzed: 06/03/2023				
Sulfate	13	5.00	mg/L	12.50	ND	108	80-120	1	10	
<b>Batch 2305214 - E300.0 (2.1)</b>										
<b>Blank (2305214-BLK1)</b>				Prepared & Analyzed: 05/22/2023						
Sulfate	ND	5.00	mg/L							
<b>LCS (2305214-BS1)</b>				Prepared & Analyzed: 05/22/2023						
Sulfate	12	5.00	mg/L	12.50		98	90-110			
<b>LCS Dup (2305214-BSD1)</b>				Prepared & Analyzed: 05/22/2023						
Sulfate	12	5.00	mg/L	12.50		98	90-110	0.01	10	
<b>Matrix Spike (2305214-MS1)</b>				Source: 23E0620-01		Prepared: 05/22/2023 Analyzed: 06/03/2023				
Sulfate	26	5.00	mg/L	12.50	13	99	80-120			
<b>Matrix Spike Dup (2305214-MSD1)</b>				Source: 23E0620-01		Prepared: 05/22/2023 Analyzed: 06/03/2023				
Sulfate	25	5.00	mg/L	12.50	13	97	80-120	0.9	10	





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# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # **23E0584**

DATE: 5/18/23 PAGE 1 OF 1

PROJECT NAME: Sierrita Groundwater Samples (Sulfate)

CONTACT NAME: J. Joy/B. Dorris/B. Hart/B. Daigneau/T. Baxter

COMPANY NAME: Freeport McMoran - Sierrita

ADDRESS: 6200 W Duval Mine Rd

CITY: Green Valley STATE: AZ ZIP CODE: 85614

PHONE: (520) 393-2625 or (520) 393-2014

SAMPLER'S SIGNATURE: *[Signature]*

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*
MC-2	5/15/23	1135		GW
MH-10	5/15/23	1245		GW
MH-11	5/15/23	1120		GW
M-20	5/15/23	0945		GW
FFS-1	5/15/23	1045		GW
FFS-2	5/15/23	1040		GW
PS-4	5/15/23	0955		GW
PS-1	5/15/23	1005		GW
PS-2	5/15/23	1010		GW
PS-3	5/15/23	1020		GW
DUP20230515A	5/15/23	0000		GW

NUMBER OF CONTAINERS  
 SO4 by EPA 300 or EPA 375

TURNAROUND REQUIREMENTS:	REPORT REQUIREMENTS:	INVOICE INFORMATION:	SAMPLE RECEIPT:
<input checked="" type="checkbox"/> Standard (approx. 10 days) <input type="checkbox"/> Next day 2 Day <input type="checkbox"/> 5 Day* * Email Preliminary Results to: <input type="checkbox"/> SEE COMMENTS BELOW * Working Days	<input checked="" type="checkbox"/> I. Routine Report <input type="checkbox"/> II. Report (includes Dup, MS, MSD, as required, may be charged as samples) <input type="checkbox"/> III. Date Validation Report (includes All Raw Data) Add 10% to Invoice	Account <input checked="" type="checkbox"/> X <input type="checkbox"/> Y <input type="checkbox"/> N P.O. # <b>ZS00000BZ4</b> Bill to: Freeport McMoran	Total Containers: <b>444</b> Temperature: <b>4.6</b> <input checked="" type="checkbox"/> Wet Ice <input type="checkbox"/> Blue Ice

SPECIFY ANALYSIS REQUESTED AND CHECK THE APPROPRIATE BOX

1. RELINQUISHED BY: *[Signature]*

Signature: *[Signature]*  
 Printed Name: Jeff Joy  
 Date/Time: 5/18/23

2. RECEIVED BY: *[Signature]*

Signature: *[Signature]*  
 Printed Name: Freeport McMoran  
 Date/Time: 5/18/23

3. RELINQUISHED BY: *[Signature]*

Signature: *[Signature]*  
 Printed Name: Turner Laboratories, Inc.  
 Date/Time: 5/18/23

4. RECEIVED BY: *[Signature]*

Signature: *[Signature]*  
 Printed Name: Turner Laboratories, Inc.  
 Date/Time: 5/18/23

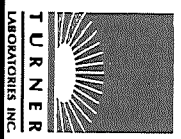
\* LEGEND  
 DW = DRINKING WATER  
 GW = GROUNDWATER  
 ST = STORMWATER

SPECIAL INSTRUCTIONS/COMMENTS: All samples have been field-filtered unless specified here

Compliance Analysis:  Yes  No  
 ADEQ Forms:  Yes  No  
 Mail ADEQ Forms:  Yes  No  
 Container Intact:   
 COC/Labels Agree:   
 Preservation Confirmation:   
 Appropriate Head Space:   
 Received Within Hold Time:

Please cc all on results: jjoy@fmi.com / bdorris@fmi.com / what@fmi.com / bdaigneau@geo-logic.com / tbaxter@fmi.com

# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM



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TURNER WORK ORDER # 23EC584

DATE: 5/18/23 PAGE 2 OF 2

**PROJECT NAME:** Sierrita Groundwater Samples (Sulfate)

**CONTACT NAME:** J. Joy/B. Dorris/B. Hart/B. Daigneau/T. Baxter

**COMPANY NAME:** Freeport McMoran - Sierrita

**ADDRESS:** 6200 W Duval Mine Rd

**CITY:** Green Valley **STATE:** AZ **ZIP CODE:** 85614

**PHONE:** (520) 393-2625 or (520) 393-2014

**SAMPLER'S SIGNATURE:** \_\_\_\_\_

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*
FB20230515A	5/15/23	0000		GW
EQB20230515A	5/15/23	0000		GW
IW-21	5/16/23	0920		GW
EQB20230516A	5/16/23	0000		GW
FB20230516A	5/16/23	0000		GW
DUP20230516B	5/16/23	0000		GW
IW-3A	5/16/23	1302		GW
IW-25	5/16/23	1255		GW
IW-4	5/16/23	1232		GW
IW-24	5/16/23	1227		GW
IW-27	5/16/23	1222		GW

**NUMBER OF CONTAINERS**  
 SO4 by EPA 300 or EPA 375

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	CONTAINERS	ANALYSIS	REQUIREMENTS	INVOICE	RECEIPT
FB20230515A	5/15/23	0000		GW	1	X			
EQB20230515A	5/15/23	0000		GW	1	X			
IW-21	5/16/23	0920		GW	1	X			
EQB20230516A	5/16/23	0000		GW	1	X			
FB20230516A	5/16/23	0000		GW	1	X			
DUP20230516B	5/16/23	0000		GW	1	X			
IW-3A	5/16/23	1302		GW	1	X			
IW-25	5/16/23	1255		GW	1	X			
IW-4	5/16/23	1232		GW	1	X			
IW-24	5/16/23	1227		GW	1	X			
IW-27	5/16/23	1222		GW	1	X			

**SPECIFY ANALYSIS REQUESTED AND CHECK THE APPROPRIATE BOX**

**TURNAROUND REQUIREMENTS:**  
 Standard (approx. 10 days)\*  
 Next day  2 Day  5 Day\*  
 Email Preliminary Results To:  
 SEE COMMENTS BELOW  
 \*Working Days

**REPORT REQUIREMENTS:**  
 I. Routine Report  
 II. Report (includes DUP, MS, MSD, as required, may be changed as samples)  
 III. Date Validation Report (includes All Raw Data)  
 Add 10% to invoice

**INVOICE INFORMATION:**  
 Account  X  Y  N  
 P.O. # **ZS00000BZ4**  
 Bill to: Freeport McMoran

**SAMPLE RECEIPT:**  
 Total Containers 244  
 Temperature 4.6  
 Wet Ice  Blue Ice

**1. RELINQUISHED BY:**  
 Signature: \_\_\_\_\_  
 Jeff Joy  
 Freeport McMoran  
 5/18/23  
 Date/Time: 1504

**2. RECEIVED BY:**  
 Signature: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_  
 Freeport McMoran  
 Date/Time: \_\_\_\_\_

**3. RELINQUISHED BY:**  
 Signature: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_  
 Freeport McMoran  
 Date/Time: \_\_\_\_\_

**4. RECEIVED BY:**  
 Signature: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_  
 Turner Laboratories, Inc.  
 Date/Time: 5/18/23 1804

**\* LEGEND**  
 DW = DRINKING WATER  
 GW = GROUNDWATER  
 ST = STORMWATER

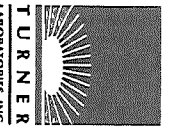
**SPECIAL INSTRUCTIONS/COMMENTS:** All samples have been field-filtered unless specified here

Compliance Analysis:  Yes  No    Custody Seals     Preservation Confirmation

ADEQ Forms:  Yes  No    Container Intact     Appropriate Head Space

Mail ADEQ Forms:  Yes  No    COC/Labels Agree     Received Within Hold Time

Please cc all on results: jjoy@fmi.com / bdorris@fmi.com / whart@fmi.com  
 bdaigneau@geo-logic.com / tbaxter@fmi.com



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# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # **23E0584**

DATE: 5/18/23 PAGE 3 OF 4

PROJECT NAME: Sierrita Groundwater Samples (Sulfate)

CONTACT NAME: J. Joy/B. Dorris/B. Hart/B. Daigneau/T. Baxter

COMPANY NAME: Freeport McMoran - Sierrita

ADDRESS: 6200 W Duval Mine Rd

CITY: Green Valley STATE: AZ ZIP CODE: 85614

PHONE: (520) 393-2625 or (520) 393-2014

SAMPLER'S SIGNATURE: \_\_\_\_\_

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*
DUP20230516A	5/16/23	0000		GW
IW-2A	5/16/23	1312		GW
IW-23	5/16/23	1215		GW
IW-29	5/16/23	1205		GW
IW-12	5/16/23	1030		GW
IW-28	5/16/23	1155		GW
IW-26	5/16/23	1237		GW
IW-8	5/16/23	1251		GW
IW-10	5/16/23	1209		GW
IW-11	5/16/23	1145		GW
IW-19	5/16/23	1015		GW

NUMBER OF CONTAINERS  
 SO4 by EPA 300 or EPA 375

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

SPECIFY ANALYSIS REQUESTED AND CHECK THE APPROPRIATE BOX

1. RELINQUISHED BY: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Jeff Joy  
 Freeport McMoran  
 5/18/23  
 Date/Time: 1504

2. RECEIVED BY: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_  
 Freeport McMoran  
 Date/Time: \_\_\_\_\_

TURNAROUND REQUIREMENTS:  
 Standard (approx. 10 days)\*  
 Next day \_\_\_\_\_ 2 Day \_\_\_\_\_ 5 Day\*  
 Email Preliminary Results To: \_\_\_\_\_

REPORT REQUIREMENTS:  
 I. Routine Report  
 II. Report (includes DUP, MS, MSD, as required, may be changed as samples)  
 III. Date Validation Report (includes All Raw Data)  
 Add 10% to invoice

INVOICE INFORMATION:  
 Account: \_\_\_\_\_ X \_\_\_\_\_ Y \_\_\_\_\_ N  
 P.O. # **ZS00000BZ4**  
 Bill to: Freeport McMoran

SAMPLE RECEIPT:  
 Total Containers: **44**  
 Temperature: **4.6**  
 Wet Ice  Blue Ice

3. RELINQUISHED BY: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_  
 Freeport McMoran  
 Date/Time: \_\_\_\_\_

4. RECEIVED BY: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_  
 Freeport McMoran  
 Date/Time: \_\_\_\_\_

SEE COMMENTS BELOW  
 \* Working Days

\* LEGEND  
 DW = DRINKING WATER  
 GW = GROUNDWATER  
 ST = STORMWATER

SPECIAL INSTRUCTIONS/COMMENTS: All samples have been field-filtered unless specified here

Compliance Analysis:  Yes  No  
 Custody Seals  Preservation Confirmation

ADEQ Forms:  Yes  No  
 Container Intact  Appropriate Head Space

Mail ADEQ Forms:  Yes  No  
 COC/Labels Agree  Received Within Hold Time

Please cc all on results: jjoy@fmi.com / bdorris@fmi.com / whart@fmi.com  
 bdaigneau@geo-logic.com / tbaxter@fmi.com

Signature: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_  
 Freeport McMoran  
 Date/Time: \_\_\_\_\_



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# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # **2360584**

DATE: 5/18/23 PAGE 4 OF 4

**PROJECT NAME:** Sierrita Groundwater Samples (Sulfate)

**CONTACT NAME:** J. Joy/B. Dorris/B. Hart/B. Daigneau/T. Baxter

**COMPANY NAME:** Freeport McMoran - Sierrita

**ADDRESS:** 6200 W Duval Mine Rd

**CITY:** Green Valley **STATE:** AZ **ZIP CODE:** 85614

**PHONE:** (520) 393-2625 or (520) 393-2014

**SAMPLER'S SIGNATURE:** \_\_\_\_\_

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*
IW-1	5/16/23	1318		GW
IW-9	5/16/23	1244		GW
MC-3	5/17/23	0953		GW
FFS-3	5/17/23	0922		GW
FFS-5	5/17/23	0939		GW
FFS-6	5/17/23	0945		GW
FFS-4	5/17/23	0932		GW
MC-1	5/17/23	0915		GW
COTONIAWELL	5/18/23	0716		GW
GV-2	5/18/23	0749		GW
SIWELL	5/18/23	0831		GW

NUMBER OF CONTAINERS	
SO4 by EPA 300 or EPA 375	1 X

**1. RELINQUISHED BY:**  
 Signature: \_\_\_\_\_  
 Printed Name: Jeff Joy  
 Date/Time: 5/18/23

**2. RECEIVED BY:**  
 Signature: \_\_\_\_\_  
 Printed Name: Freeport McMoran  
 Date/Time: 5/18/23

**3. RELINQUISHED BY:**  
 Signature: \_\_\_\_\_  
 Printed Name: Freeport McMoran  
 Date/Time: 5/18/23

**4. RECEIVED BY:**  
 Signature: \_\_\_\_\_  
 Printed Name: Turner Laboratories, Inc  
 Date/Time: 5/18/23

**TURNAROUND REQUIREMENTS:**  
 Standard (approx. 10 days)  
 Next day \_\_\_\_\_ 2 Day \_\_\_\_\_ 5 Day\*  
 Email Preliminary Results To: \_\_\_\_\_

**SEE COMMENTS BELOW**  
 \* Working Days

**\* LEGEND**  
 DW = DRINKING WATER  
 GW = GROUNDWATER  
 ST = STORMWATER

**REPORT REQUIREMENTS:**  
 I. Routine Report  
 II. Report (includes DUP, MS, MSD, as required, may be charged as samples)  
 III. Date Validation Report (includes All Raw Data)  
 Add 10% to invoice

**INVOICE INFORMATION:**  
 Account  X  Y  N  
 P.O. # **ZS00000BZ4**  
 Bill to: Freeport McMoran

**SAMPLE RECEIPT:**  
 Total Containers: 44  
 Temperature: 4.6  
 Wet Ice  Blue Ice

**SPECIAL INSTRUCTIONS/COMMENTS:** All samples have been field-filtered unless specified here

**Compliance Analysis:**  Yes  No **Custody Seals:**  **Preservation Confirmation:**

**ADEQ Forms:**  Yes  No **Container Intact:**  **Appropriate Head Space:**

**Mail ADEQ Forms:**  Yes  No **COC/Labels Agree:**  **Received Within Hold Time:**

Please cc all on results: jjoy@fmi.com / bdorris@fmi.com / whatt@fmi.com  
 bdaigneau@geo-logic.com / tbaxter@fmi.com



June 12, 2023

Bill Hart  
Freeport McMoran Sierrita Ops  
6200 W. Duval Mine Rd., PO Box 527  
Green Valley, AZ 85622

TEL (520) 393-2014  
FAX (520) 648-8608

RE: Sulfate Analysis

Work Order No.: 23E0756  
Order Name: Sierrita Groundwater  
Samples (Sulfate)

Dear Bill Hart,

Turner Laboratories, Inc. received 8 sample(s) on 05/25/2023 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.  
ADHS License AZ0066

Elizabeth Kasik  
Laboratory Director

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0756  
**Date Received:** 05/25/2023

**Order:** Sierrita Groundwater Samples (Sulfate)

**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Matrix</b>	<b>Collection Date/Time</b>
23E0756-01	CW-10	Ground Water	05/25/2023 0710
23E0756-02	CW-6	Ground Water	05/25/2023 0750
23E0756-03	CW-9	Ground Water	05/25/2023 0923
23E0756-04	CW-7600	Ground Water	05/25/2023 1020
23E0756-05	CW-7700	Ground Water	05/25/2023 1030
23E0756-06	CW-7800	Ground Water	05/25/2023 1040
23E0756-07	CW-7900	Ground Water	05/25/2023 1050
23E0756-08	DUP20230525A	Ground Water	05/25/2023 0000

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0756  
**Date Received:** 05/25/2023

**Case Narrative**

---

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND Not Detected at or above the PQL

PQL Practical Quantitation Limit

DF Dilution Factor

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0756  
**Lab Sample ID:** 23E0756-01

**Client Sample ID:** CW-10  
**Collection Date/Time:** 05/25/2023 0710  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	41.9	2.81	5.00		mg/L	1	05/25/2023 1000	05/26/2023 0213	ACG



**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0756  
**Lab Sample ID:** 23E0756-02

**Client Sample ID:** CW-6  
**Collection Date/Time:** 05/25/2023 0750  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	62.0	14.0	25.0		mg/L	5	05/25/2023 1000	06/03/2023 0500	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0756  
**Lab Sample ID:** 23E0756-03

**Client Sample ID:** CW-9  
**Collection Date/Time:** 05/25/2023 0923  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	61.0	28.1	50.0		mg/L	10	05/25/2023 1000	06/06/2023 1456	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0756  
**Lab Sample ID:** 23E0756-04

**Client Sample ID:** CW-7600  
**Collection Date/Time:** 05/25/2023 1020  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	37.2	2.81	5.00		mg/L	1	05/25/2023 1400	05/26/2023 0311	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0756  
**Lab Sample ID:** 23E0756-05

**Client Sample ID:** CW-7700  
**Collection Date/Time:** 05/25/2023 1030  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	296	28.1	50.0		mg/L	10	05/25/2023 1400	06/03/2023 0520	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0756  
**Lab Sample ID:** 23E0756-06

**Client Sample ID:** CW-7800  
**Collection Date/Time:** 05/25/2023 1040  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	55.2	14.0	25.0		mg/L	5	05/25/2023 1400	06/03/2023 0539	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0756  
**Lab Sample ID:** 23E0756-07

**Client Sample ID:** CW-7900  
**Collection Date/Time:** 05/25/2023 1050  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	54.8	14.0	25.0		mg/L	5	05/25/2023 1400	06/03/2023 0558	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23E0756  
**Lab Sample ID:** 23E0756-08

**Client Sample ID:** DUP20230525A  
**Collection Date/Time:** 05/25/2023 0000  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (Sulf

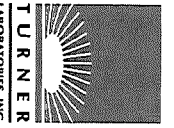
<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	57.6	14.0	25.0		mg/L	5	05/25/2023 1000	06/05/2023 1803	ACG

Client: Freeport McMoran Sierrita Ops  
 Project: Sulfate Analysis  
 Work Order: 23E0756  
 Date Received: 05/25/2023

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
<b>Batch 2305281 - E300.0 (2.1)</b>										
<b>Blank (2305281-BLK1)</b>				Prepared & Analyzed: 05/25/2023						
Sulfate	ND	5.00	mg/L							
<b>LCS (2305281-BS1)</b>				Prepared & Analyzed: 05/25/2023						
Sulfate	12	5.00	mg/L	12.50		98	90-110			
<b>LCS Dup (2305281-BSD1)</b>				Prepared & Analyzed: 05/25/2023						
Sulfate	12	5.00	mg/L	12.50		99	90-110	0.1	10	
<b>Matrix Spike (2305281-MS1)</b>				Source: 23E0738-01		Prepared: 05/25/2023 Analyzed: 06/07/2023				
Sulfate	18	5.00	mg/L	12.50	3.4	115	80-120			
<b>Matrix Spike (2305281-MS2)</b>				Source: 23E0756-04		Prepared: 05/25/2023 Analyzed: 06/07/2023				
Sulfate	160	50.0	mg/L	125.0	37	98	80-120			
<b>Matrix Spike Dup (2305281-MSD1)</b>				Source: 23E0738-01		Prepared: 05/25/2023 Analyzed: 06/07/2023				
Sulfate	18	5.00	mg/L	12.50	3.4	113	80-120	0.9	10	
<b>Matrix Spike Dup (2305281-MSD2)</b>				Source: 23E0756-04		Prepared: 05/25/2023 Analyzed: 06/07/2023				
Sulfate	160	50.0	mg/L	125.0	37	98	80-120	0.3	10	





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 Fax: (520) 882-9788  
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# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER #

**23E0756**

DATE: 5/25/23 PAGE 1 OF 1

PROJECT NAME: Sierrita Groundwater Samples (Sulfate)

CONTACT NAME: J. Joy/B. Dorriss/B. Hart/B. Daigneau/T. Baxter

COMPANY NAME: Freeport McMoran - Sierrita

ADDRESS: 6200 W Duval Mine Rd

CITY: Green Valley STATE: AZ ZIP CODE: 85614

PHONE: (520) 393-2625 or (520) 393-2014

SAMPLER'S SIGNATURE: \_\_\_\_\_

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	SO4 by EPA 300 or EPA 375
CW-10	5/25/23	0710		GW	1	X
CW-6	5/25/23	0750		GW	1	X
CW-9	5/25/23	0923		GW	1	X
CW-7600	5/25/23	1020		GW	1	X
CW-7700	5/25/23	1030		GW	1	X
CW-7800	5/25/23	1040		GW	1	X
CW-7900	5/25/23	1050		GW	1	X
DUP20230525A	5/25/23	0000		GW	1	X

1. RELINQUISHED BY: \_\_\_\_\_

2. RECEIVED BY: \_\_\_\_\_

Signature: \_\_\_\_\_

Printed Name: Jeff Joy

Freeport McMoran

5/25/23

1500

4. RECEIVED BY: \_\_\_\_\_

Signature: \_\_\_\_\_

Printed Name: Freeport McMoran

Freeport McMoran

5/25/23

5/25/23

SEE COMMENTS BELOW

\* Working Days

TURNAROUND REQUIREMENTS:

Standard (approx. 10 days)\*

Next day  2 Day  5 Day\*

Email Preliminary Results To:

REPORT REQUIREMENTS:

I. Routine Report

II. Report (includes DUP, MS, MSD, as required, may be charged as samples)

III. Date Validation Report (includes All Raw Data)

Add 10% to Invoice

ACCOUNT INFORMATION:

Account  X  Y  N

P.O. # **ZS00000BZ4**

Bill to: Freeport McMoran

SAMPLE RECEIPT:

Total Containers 8

Temperature **70.35**

Wet Ice  Blue Ice

3. RELINQUISHED BY: \_\_\_\_\_

Signature: \_\_\_\_\_

Printed Name: Freeport McMoran

Freeport McMoran

5/25/23

4. RECEIVED BY: \_\_\_\_\_

Signature: \_\_\_\_\_

Printed Name: Freeport McMoran

Freeport McMoran

5/25/23

SEE COMMENTS BELOW

\* LEGEND

DW = DRINKING WATER

GW = GROUNDWATER

ST = STORMWATER

SPECIAL INSTRUCTIONS/COMMENTS: All samples have been field-filtered unless specified here

Compliance Analysis:  Yes  No

Container Seals  Intact  Broken

ADQC Forms:  Yes  No

Container Intact  Yes  No

Appropriate Head Space  Yes  No

Received Within Hold Time  Yes  No

COC/Labels Agree  Yes  No

Received Within Hold Time  Yes  No

Please cc all on results: jjoy@fmi.com / bdorriss@fmi.com / whart@fmi.com

bdaigneau@geo-logic.com / tbaxter@fmi.com



July 27, 2023

Bill Hart  
Freeport McMoran Sierrita Ops  
6200 W. Duval Mine Rd., PO Box 527  
Green Valley, AZ 85622

TEL (520) 393-2014  
FAX (520) 648-8608

Work Order No.: 23G0394

RE: Sulfate Analysis

Dear Bill Hart,

Turner Laboratories, Inc. received 7 sample(s) on 07/13/2023 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.  
ADHS License AZ0066

Elizabeth Kasik  
Laboratory Director

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0394  
**Date Received:** 07/13/2023

**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Matrix</b>	<b>Collection Date/Time</b>
23G0394-01	MO-2007-3C	Drinking Water	07/12/2023 1119
23G0394-02	MO-2007-3B	Drinking Water	07/12/2023 1305
23G0394-03	MO-2007-6B	Drinking Water	07/13/2023 0749
23G0394-04	MO-2007-6A	Drinking Water	07/13/2023 0839
23G0394-05	DUP20230712A	Ground Water	07/12/2023 0000
23G0394-06	EQB20230712A	Ground Water	07/12/2023 0000
23G0394-07	FB20230712A	Ground Water	07/12/2023 0000

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0394  
**Date Received:** 07/13/2023

**Case Narrative**

---

E8 Analyte reported to MDL per project specification. Target analyte was not detected in the sample.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND Not Detected at or above the PQL

PQL Practical Quantitation Limit

DF Dilution Factor

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0394  
**Lab Sample ID:** 23G0394-01

**Client Sample ID:** MO-2007-3C  
**Collection Date/Time:** 07/12/2023 1119  
**Matrix:** Drinking Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	101	28.1	50.0		mg/L	10	07/13/2023 1000	07/20/2023 1523	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0394  
**Lab Sample ID:** 23G0394-02

**Client Sample ID:** MO-2007-3B  
**Collection Date/Time:** 07/12/2023 1305  
**Matrix:** Drinking Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	38.0	2.81	5.00		mg/L	1	07/13/2023 1000	07/13/2023 2117	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0394  
**Lab Sample ID:** 23G0394-03

**Client Sample ID:** MO-2007-6B  
**Collection Date/Time:** 07/13/2023 0749  
**Matrix:** Drinking Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	42.1	2.81	5.00		mg/L	1	07/13/2023 1000	07/13/2023 2136	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0394  
**Lab Sample ID:** 23G0394-04

**Client Sample ID:** MO-2007-6A  
**Collection Date/Time:** 07/13/2023 0839  
**Matrix:** Drinking Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	6.39	2.81	5.00		mg/L	1	07/13/2023 1000	07/13/2023 2155	ACG



**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0394  
**Lab Sample ID:** 23G0394-05

**Client Sample ID:** DUP20230712A  
**Collection Date/Time:** 07/12/2023 0000  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	99.1	28.1	50.0		mg/L	10	07/13/2023 1000	07/20/2023 1542	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0394  
**Lab Sample ID:** 23G0394-06

**Client Sample ID:** EQB20230712A  
**Collection Date/Time:** 07/12/2023 0000  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	ND	2.81	5.00	E8	mg/L	1	07/13/2023 1000	07/13/2023 2234	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0394  
**Lab Sample ID:** 23G0394-07

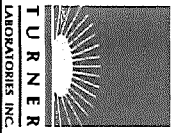
**Client Sample ID:** FB20230712A  
**Collection Date/Time:** 07/12/2023 0000  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	ND	2.81	5.00	E8	mg/L	1	07/13/2023 1000	07/13/2023 2253	ACG

Client: Freeport McMoran Sierrita Ops  
 Project: Sulfate Analysis  
 Work Order: 23G0394  
 Date Received: 07/13/2023

**QC Summary**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
<b>Batch 2307129 - E300.0 (2.1)</b>										
<b>Blank (2307129-BLK1)</b>				Prepared & Analyzed: 07/13/2023						
Sulfate	ND	5.00	mg/L							
<b>LCS (2307129-BS1)</b>				Prepared & Analyzed: 07/13/2023						
Sulfate	13	5.00	mg/L	12.50		104	90-110			
<b>LCS Dup (2307129-BSD1)</b>				Prepared & Analyzed: 07/13/2023						
Sulfate	13	5.00	mg/L	12.50		104	90-110	0.2	10	
<b>Matrix Spike (2307129-MS1)</b>				Source: 23G0394-04		Prepared: 07/13/2023 Analyzed: 07/21/2023				
Sulfate	17	5.00	mg/L	12.50	6.4	82	80-120			
<b>Matrix Spike (2307129-MS2)</b>				Source: 23G0394-07		Prepared: 07/13/2023 Analyzed: 07/21/2023				
Sulfate	12	5.00	mg/L	12.50	ND	95	80-120			
<b>Matrix Spike Dup (2307129-MSD1)</b>				Source: 23G0394-04		Prepared: 07/13/2023 Analyzed: 07/21/2023				
Sulfate	17	5.00	mg/L	12.50	6.4	83	80-120	0.6	10	
<b>Matrix Spike Dup (2307129-MSD2)</b>				Source: 23G0394-07		Prepared: 07/13/2023 Analyzed: 07/21/2023				
Sulfate	12	5.00	mg/L	12.50	ND	96	80-120	1	10	



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# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # **2360394**

DATE: 7/13/23 PAGE 1 OF 1

**PROJECT NAME:** Sierrita Groundwater Samples (Sulfate)

**CONTACT NAME:** J. Joy/B. Dorris/B. Daigneau/T. Baxter

**COMPANY NAME:** Freeport McMoran - Sierrita

**ADDRESS:** 6200 W Duval Mine Rd

**CITY:** Green Valley **STATE:** AZ **ZIP CODE:** 85614

**PHONE:** (520) 393-2625 or (520) 393-2014

**SAMPLER'S SIGNATURE:** \_\_\_\_\_

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	SPECIFY ANALYSIS REQUESTED AND CHECK THE APPROPRIATE BOX									
MO-2007-3C	7/12/23	1119		GW	1	SO4 by EPA 300 or EPA 375									
MO-2007-3B	7/12/23	1305		GW	1										
MO-2007-6B	7/13/23	0749		GW	1										
MO-2007-6A	7/13/23	0839		GW	1										
DUP20230712A	7/12/23	0000		GW	1										
EQB20230712A	7/12/23	0000		GW	1										
FB20230712A	7/12/23	0000		GW	1										

**1. RELINQUISHED BY:**  
 Signature: \_\_\_\_\_  
 Jeff Joy  
 Freeport McMoran  
 Date/Time: 7/13/23

**2. RECEIVED BY:**  
 Signature: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_  
 Freeport McMoran  
 Date/Time: 7/13/23

**3. RELINQUISHED BY:**  
 Signature: \_\_\_\_\_  
 Date/Time: 7/13/23

**4. RECEIVED BY:**  
 Signature: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_  
 Freeport McMoran  
 Date/Time: 7/13/23

**TURNAROUND REQUIREMENTS:**  
 Standard (approx. 10 days)\*  
 Next day  2 Day  5 Day\*  
 Email Preliminary Results To:  
 \* Working Days

**SEE COMMENTS BELOW**

**REPORT REQUIREMENTS:**  
 I. Routine Report  
 II. Report (Includes DUP, MS, MSD, as required, may be charged as samples)  
 III. Date Validation Report (Includes All Raw Data)  
 Add 10% to Invoice

**INVOICE INFORMATION:**  
 Account  X  Y  N  
 P.O. # **ZS00000BZ4**  
 Bill to: Freeport McMoran

**SAMPLE RECEIPT:**  
 Total Containers 7  
 Temperature 8.9  
 Wet Ice  Blue Ice

**\* LEGEND**  
 DW = DRINKING WATER  
 GW = GROUNDWATER  
 ST = STORMWATER

**SPECIAL INSTRUCTIONS/COMMENTS:** All samples have been field-filtered unless specified here

**Compliance Analysis:**  Yes  No  
**ADEQ Forms:**  Yes  No  
**Mail ADEQ Forms:**  Yes  No

**Container Seals:**  Custody Seals  Preservation Confirmation  
**Container Intact:**  Appropriate Head Space   
**Received Within Hold Time:**

Please cc all on results: jjoy@fmi.com / bdorris@fmi.com / bdaigneau@geo-logic.com / tbaxter@fmi.com



July 31, 2023

Jeff Joy  
Freeport McMoran Sierrita Ops  
6200 W. Duval Mine Rd., PO Box 527  
Green Valley, AZ 85622

TEL (520) 393-4345  
FAX (520) 648-8608

Work Order No.: 23G0626

RE: Sulfate Analysis

Dear Jeff Joy,

Turner Laboratories, Inc. received 14 sample(s) on 07/20/2023 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.  
ADHS License AZ0066

Elizabeth Kasik  
Laboratory Director

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0626  
**Date Received:** 07/20/2023

**Work Order Sample Summary**

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Matrix</b>	<b>Collection Date/Time</b>
23G0626-01	MO-2007-4A	Ground Water	07/20/2023 1123
23G0626-02	MO-2007-4B	Ground Water	07/20/2023 1046
23G0626-03	MO-2007-4C	Ground Water	07/20/2023 0854
23G0626-04	COTONIAWELL	Ground Water	07/19/2023 0722
23G0626-05	GV-2	Ground Water	07/19/2023 0752
23G0626-06	MO-2009-1	Ground Water	07/19/2023 0932
23G0626-07	DUP20230719A	Ground Water	07/19/2023 0000
23G0626-08	CW-7600	Ground Water	07/18/2023 0930
23G0626-09	CW-7700	Ground Water	07/18/2023 0935
23G0626-10	CW-7800	Ground Water	07/18/2023 0940
23G0626-11	CW-7900	Ground Water	07/18/2023 0945
23G0626-12	CW-10	Ground Water	07/18/2023 0713
23G0626-13	CW-6	Ground Water	07/18/2023 0740
23G0626-14	CW-9	Ground Water	07/18/2023 0837

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0626  
**Date Received:** 07/20/2023

**Case Narrative**

---

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND Not Detected at or above the PQL

PQL Practical Quantitation Limit

DF Dilution Factor



**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0626  
**Lab Sample ID:** 23G0626-01

**Client Sample ID:** MO-2007-4A  
**Collection Date/Time:** 07/20/2023 1123  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	33.6	2.81	5.00		mg/L	1	07/20/2023 1500	07/20/2023 1742	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0626  
**Lab Sample ID:** 23G0626-02

**Client Sample ID:** MO-2007-4B  
**Collection Date/Time:** 07/20/2023 1046  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	48.6	2.81	5.00		mg/L	1	07/20/2023 1500	07/20/2023 1801	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0626  
**Lab Sample ID:** 23G0626-03

**Client Sample ID:** MO-2007-4C  
**Collection Date/Time:** 07/20/2023 0854  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	93.1	28.1	50.0		mg/L	10	07/20/2023 1500	07/22/2023 0424	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0626  
**Lab Sample ID:** 23G0626-04

**Client Sample ID:** COTONIAWELL  
**Collection Date/Time:** 07/19/2023 0722  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	25.2	2.81	5.00		mg/L	1	07/20/2023 1500	07/20/2023 1838	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0626  
**Lab Sample ID:** 23G0626-05

**Client Sample ID:** GV-2  
**Collection Date/Time:** 07/19/2023 0752  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	59.0	28.1	50.0		mg/L	10	07/20/2023 1500	07/22/2023 0443	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0626  
**Lab Sample ID:** 23G0626-06

**Client Sample ID:** MO-2009-1  
**Collection Date/Time:** 07/19/2023 0932  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	82.2	28.1	50.0		mg/L	10	07/20/2023 1500	07/27/2023 1522	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0626  
**Lab Sample ID:** 23G0626-07

**Client Sample ID:** DUP20230719A  
**Collection Date/Time:** 07/19/2023 0000  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	25.1	2.81	5.00		mg/L	1	07/20/2023 1500	07/20/2023 1935	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0626  
**Lab Sample ID:** 23G0626-08

**Client Sample ID:** CW-7600  
**Collection Date/Time:** 07/18/2023 0930  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	39.2	2.81	5.00		mg/L	1	07/20/2023 1500	07/20/2023 1954	ACG



**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0626  
**Lab Sample ID:** 23G0626-09

**Client Sample ID:** CW-7700  
**Collection Date/Time:** 07/18/2023 0935  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	67.2	28.1	50.0		mg/L	10	07/20/2023 1500	07/22/2023 0502	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0626  
**Lab Sample ID:** 23G0626-10

**Client Sample ID:** CW-7800  
**Collection Date/Time:** 07/18/2023 0940  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	286	28.1	50.0		mg/L	10	07/20/2023 1500	07/24/2023 2232	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0626  
**Lab Sample ID:** 23G0626-11

**Client Sample ID:** CW-7900  
**Collection Date/Time:** 07/18/2023 0945  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	248	28.1	50.0		mg/L	10	07/20/2023 1500	07/24/2023 2251	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0626  
**Lab Sample ID:** 23G0626-12

**Client Sample ID:** CW-10  
**Collection Date/Time:** 07/18/2023 0713  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	45.2	2.81	5.00		mg/L	1	07/20/2023 1500	07/20/2023 2225	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0626  
**Lab Sample ID:** 23G0626-13

**Client Sample ID:** CW-6  
**Collection Date/Time:** 07/18/2023 0740  
**Matrix:** Ground Water

Analyses	Result	MDL	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	66.1	28.1	50.0		mg/L	10	07/20/2023 1500	07/24/2023 2310	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0626  
**Lab Sample ID:** 23G0626-14

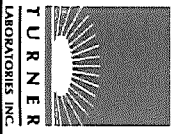
**Client Sample ID:** CW-9  
**Collection Date/Time:** 07/18/2023 0837  
**Matrix:** Ground Water

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	62.1	28.1	50.0		mg/L	10	07/20/2023 1500	07/24/2023 2330	ACG

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0626  
**Date Received:** 07/20/2023

**QC Summary**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
<b>Batch 2307193 - E300.0 (2.1)</b>										
<b>Blank (2307193-BLK1)</b>				Prepared & Analyzed: 07/20/2023						
Sulfate	ND	5.00	mg/L							
<b>LCS (2307193-BS1)</b>				Prepared & Analyzed: 07/20/2023						
Sulfate	12	5.00	mg/L	12.50		97	90-110			
<b>LCS Dup (2307193-BSD1)</b>				Prepared & Analyzed: 07/20/2023						
Sulfate	12	5.00	mg/L	12.50		100	90-110	3	10	
<b>Matrix Spike (2307193-MS1)</b>				Source: 23G0626-03		Prepared: 07/20/2023 Analyzed: 07/22/2023				
Sulfate	210	50.0	mg/L	125.0	100	85	80-120			
<b>Matrix Spike (2307193-MS2)</b>				Source: 23G0626-05		Prepared: 07/20/2023 Analyzed: 07/22/2023				
Sulfate	170	50.0	mg/L	125.0	57	89	80-120			
<b>Matrix Spike Dup (2307193-MSD1)</b>				Source: 23G0626-03		Prepared: 07/20/2023 Analyzed: 07/22/2023				
Sulfate	200	50.0	mg/L	125.0	100	83	80-120	1	10	
<b>Matrix Spike Dup (2307193-MSD2)</b>				Source: 23G0626-05		Prepared: 07/20/2023 Analyzed: 07/22/2023				
Sulfate	170	50.0	mg/L	125.0	57	90	80-120	0.5	10	



2445 N Coyote Drive, Suite 104  
 Tucson, Arizona 85745  
 (520) 882-5880  
 Fax: (520) 882-9788  
 www.turnerlabs.com

TURNER WORK ORDER # 2360624

DATE: 7/20/23 PAGE 1 OF 2

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

PROJECT NAME: Sierrita Groundwater Samples (Sulfate)

SPECIFY ANALYSIS REQUESTED AND CHECK THE APPROPRIATE BOX

CONTACT NAME: J. Joy/B. Dorris/B. Daigneau/T. Baxter  
 COMPANY NAME: Freeport McMoran - Sierrita  
 ADDRESS: 6200 W Duval Mine Rd  
 CITY: Green Valley STATE: AZ ZIP CODE: 85614  
 PHONE: (520) 393-2625 or (520) 393-2014  
 SAMPLER'S SIGNATURE:

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*
MO-2007-4A	7/20/23	1123		GW
MO-2007-4B	7/20/23	1046		GW
MO-2007-4C	7/20/23	0854		GW
COTONIAWELL	7/19/23	0722		GW
GV-2	7/19/23	0752		GW
MO-2009-1	7/19/23	0932		GW
DUP20230719A	7/19/23	0000		GW
CW-7600	7/18/23	0930		GW
CW-7700	7/18/23	0935		GW
CW-7800	7/18/23	0940		GW
CW-7900	7/18/23	0945		GW

NUMBER OF CONTAINERS	504 by EPA 300 or EPA 375													
	X													
1	X													
1	X													
1	X													
1	X													
1	X													
1	X													
1	X													
1	X													
1	X													
1	X													

1. RELINQUISHED BY:   
 Signature: \_\_\_\_\_  
 Printed Name: Jeff Joy  
 Date/Time: 7/20/23 1502

2. RECEIVED BY: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_

TURNAROUND REQUIREMENTS:  
 X Standard (approx. 10 days)\*  
 Next day \_\_\_\_\_ 2 Day \_\_\_\_\_ 5 Day\*  
 X Email Preliminary Results To:  
 \* Working Days

REPORT REQUIREMENTS:  
 I. Routine Report  
 II. Report (Includes DUP, MS, MSD, as required, may be charged as samples)  
 III. Date Validation Report (Includes All Raw Data)  
 Add 1.0% to invoice

INVOICE INFORMATION:  
 Account  X  Y  N  
 P.O. # **Z500000BZ4**  
 Bill to: Freeport McMoran

SAMPLE RECEIPT:  
 Total Containers 14  
 Temperature 5.9  
 Wet Ice  Blue Ice

3. RELINQUISHED BY: \_\_\_\_\_  
 Signature: \_\_\_\_\_  
 Printed Name: \_\_\_\_\_  
 Date/Time: \_\_\_\_\_

4. RECEIVED BY:   
 Signature: \_\_\_\_\_  
 Printed Name: Jeff Joy  
 Date/Time: 7/20/23 1502

\* LEGEND  
 DW = DRINKING WATER  
 GW = GROUNDWATER  
 ST = STORMWATER

SPECIAL INSTRUCTIONS/COMMENTS: All samples have been field-filtered unless specified here

Compliance Analysis:  Yes  No

Container Intact:  Yes  No

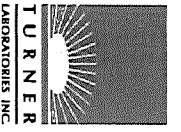
Appropriate Head Space:  Yes  No

Received Within Hold Time:  Yes  No

ADDITIONAL INFORMATION:  
 Preservation Confirmation:   
 Received Within Hold Time:

Freeport McMoran  
 Turner Laboratories, Inc.  
 Please cc all on results: jjoy@fmi.com / bdorris@fmi.com / tbaxter@fmi.com  
 bdaigneau@geo-logic.com





2445 N Coyote Drive, Suite 104  
Tucson, Arizona 85745  
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Fax: (520) 882-9788  
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TURNER WORK ORDER # 236624

DATE: 7/20/23 PAGE 2 OF 2

# CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

PROJECT NAME: Sierra Groundwater Samples (Sulfate)

CONTACT NAME: J. Joy/B. Dorris/B. Daigneau/T. Baxter

COMPANY NAME: Freeport McMoran - Sierrita

ADDRESS: 6200 W Duval Mine Rd

CITY: Green Valley STATE: AZ ZIP CODE: 85614

PHONE: (520) 393-2625 or (520) 393-2014

SAMPLER'S SIGNATURE: \_\_\_\_\_

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*
CW-10	7/18/23	0713		GW
CW-6	7/18/23	0740		GW
CW-9	7/18/23	0837		GW

NUMBER OF CONTAINERS	SPECIFY ANALYSIS REQUESTED AND CHECK THE APPROPRIATE BOX													
	SO4 by EPA 300 or EPA 375													
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

1. RELINQUISHED BY: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Jeff Joy

Freeport McMoran  
7/20/23  
Date/Time: 15:02

2. RECEIVED BY: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Freeport McMoran

Freeport McMoran  
Date/Time: \_\_\_\_\_

TURMAROUND REQUIREMENTS:  
 Standard (approx. 10 days)  
 Next day  
 2 Day  
 5 Day  
 Email Preliminary Results To:  
 \* Working Days

REPORT REQUIREMENTS:  
 I. Routine Report  
 II. Report (Includes DUP,MS,MSD, as required, may be changed as samples)  
 III. Date Validation Report (Includes All Raw Data)  
 Add 10% to invoice

INVOICE INFORMATION:  
 Account:  X  Y  N  
 P.O. # ZS00000824  
 Bill to: Freeport McMoran

SAMPLE RECEIPT:  
 Total Containers 14  
 Temperature 5.9  
 Wet Ice  Blue Ice

3. RELINQUISHED BY: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Freeport McMoran

Freeport McMoran  
7/20/23  
Date/Time: \_\_\_\_\_

4. RECEIVED BY: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Printed Name: \_\_\_\_\_  
Freeport McMoran

Freeport McMoran  
Date/Time: \_\_\_\_\_

SPECIAL INSTRUCTIONS/COMMENTS: All samples have been field-filtered unless specified here

Compliance Analysis:  Yes  No

Container Intact:  Yes  No

Appropriate Head Space:  Yes  No

Received Within Hold Time:  Yes  No

\* LEGEND  
 DW = DRINKING WATER  
 GW = GROUNDWATER  
 ST = STORMWATER

SEE COMMENTS BELOW



August 01, 2023

Bill Hart  
Freeport McMoran Sierrita Ops  
6200 W. Duval Mine Rd., PO Box 527  
Green Valley, AZ 85622

TEL (520) 393-2014  
FAX (520) 648-8608

RE: Sulfate Analysis

Work Order No.: 23G0669  
Order Name: Sierrita Groundwater  
Samples (Sulfate)

Dear Bill Hart,

Turner Laboratories, Inc. received 1 sample(s) on 07/24/2023 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.  
ADHS License AZ0066

Kevin Brim  
Project Manager

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0669  
**Date Received:** 07/24/2023

**Order: Sierrita Groundwater Samples (Sulfate)**

**Work Order Sample Summary**

---

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Matrix</b>	<b>Collection Date/Time</b>
23G0669-01	NP-2	Ground Water	07/24/2023 1032

---

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0669  
**Date Received:** 07/24/2023

**Case Narrative**

---

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND Not Detected at or above the PQL

PQL Practical Quantitation Limit

DF Dilution Factor

---

**Turner Laboratories, Inc.**

**Date: 08/01/2023**

**Client:** Freeport McMoran Sierrita Ops  
**Project:** Sulfate Analysis  
**Work Order:** 23G0669  
**Lab Sample ID:** 23G0669-01

**Client Sample ID:** NP-2  
**Collection Date/Time:** 07/24/2023 1032  
**Matrix:** Ground Water  
**Order Name:** Sierrita Groundwater Samples (S

---

<b>Analyses</b>	<b>Result</b>	<b>MDL</b>	<b>PQL</b>	<b>Qual</b>	<b>Units</b>	<b>DF</b>	<b>Prep Date</b>	<b>Analysis Date</b>	<b>Analyst</b>
<b>Anions by Ion Chromatography-E300.0 (2.1)</b>									
Sulfate	45.6	2.81	5.00		mg/L	1	07/24/2023 1351	07/24/2023 203	ACG

---

Client: Freeport McMoran Sierrita Ops  
 Project: Sulfate Analysis  
 Work Order: 23G0669  
 Date Received: 07/24/2023

**QC Summary**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
<b>Batch 2307241 - E300.0 (2.1)</b>										
<b>Blank (2307241-BLK1)</b>				Prepared & Analyzed: 07/24/2023						
Sulfate	ND	5.00	mg/L							
<b>LCS (2307241-BS1)</b>				Prepared & Analyzed: 07/24/2023						
Sulfate	12.3	5.00	mg/L	12.50		98	90-110			
<b>LCS Dup (2307241-BSD1)</b>				Prepared & Analyzed: 07/24/2023						
Sulfate	12.2	5.00	mg/L	12.50		98	90-110	0.3	10	
<b>Matrix Spike (2307241-MS1)</b>				Source: 23G0654-01		Prepared: 07/24/2023 Analyzed: 07/28/2023				
Sulfate	28.8	5.00	mg/L	12.50	17.3	92	80-120			
<b>Matrix Spike (2307241-MS2)</b>				Source: 23G0654-09		Prepared: 07/24/2023 Analyzed: 07/28/2023				
Sulfate	24.5	5.00	mg/L	12.50	12.9	93	80-120			
<b>Matrix Spike Dup (2307241-MSD1)</b>				Source: 23G0654-01		Prepared: 07/24/2023 Analyzed: 07/28/2023				
Sulfate	29.0	5.00	mg/L	12.50	17.3	93	80-120	0.7	10	
<b>Matrix Spike Dup (2307241-MSD2)</b>				Source: 23G0654-09		Prepared: 07/24/2023 Analyzed: 07/28/2023				
Sulfate	24.6	5.00	mg/L	12.50	12.9	93	80-120	0.3	10	

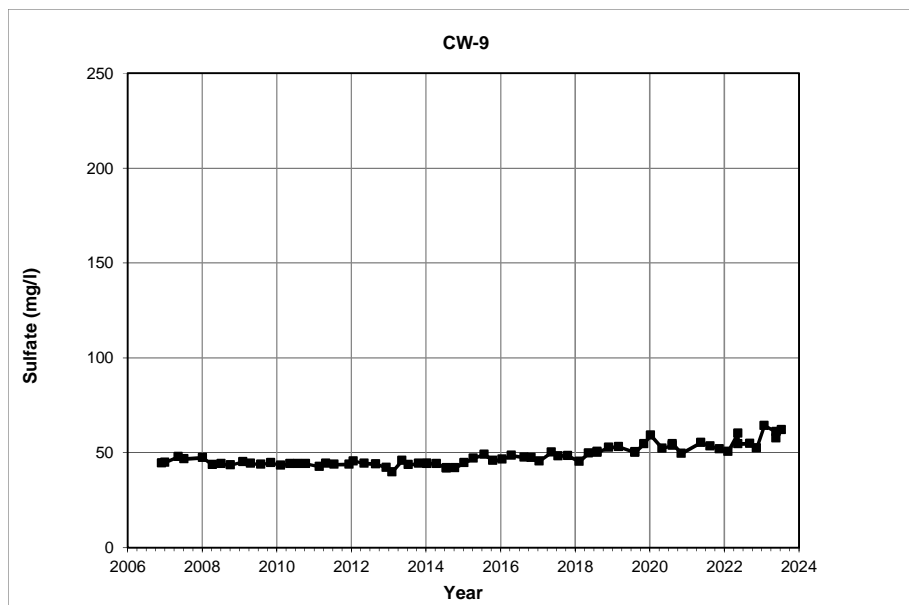
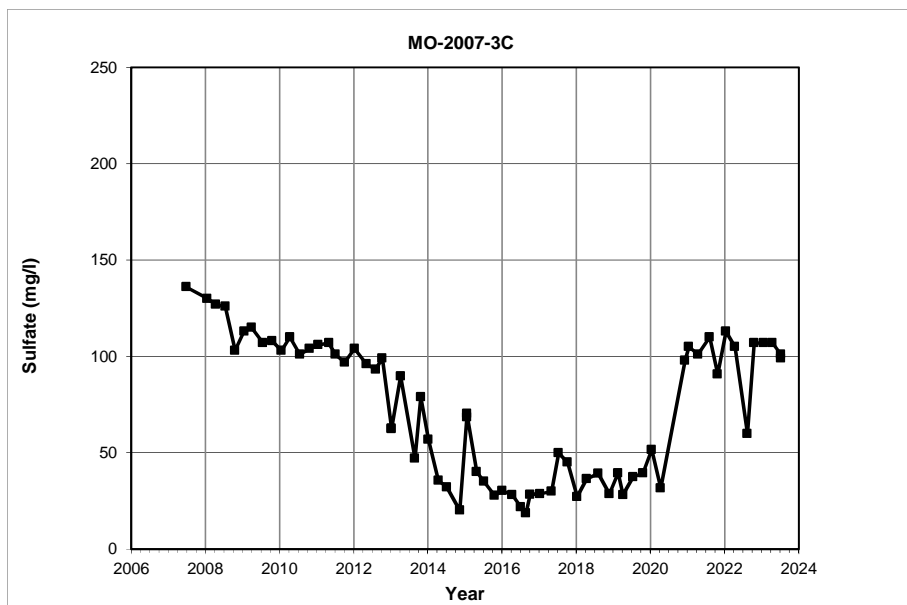
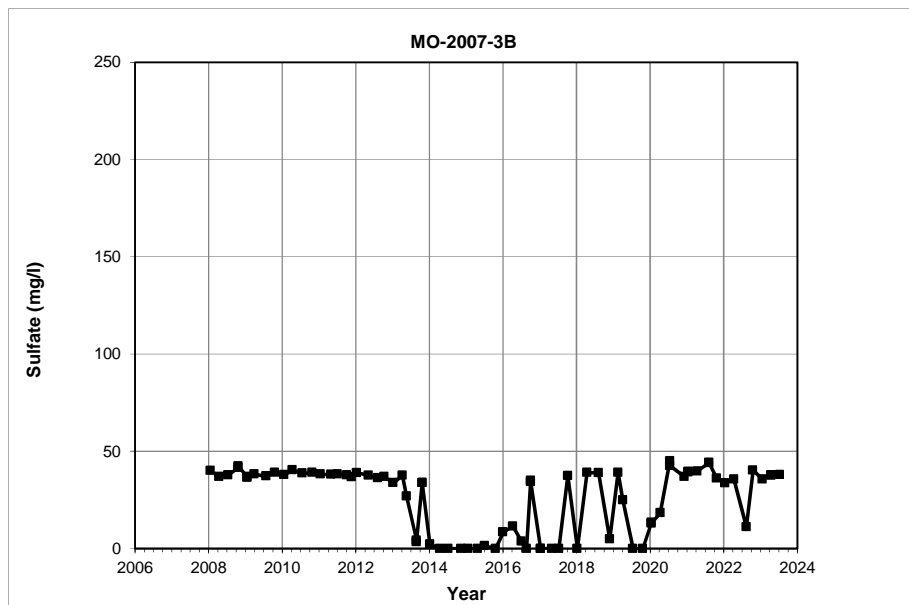
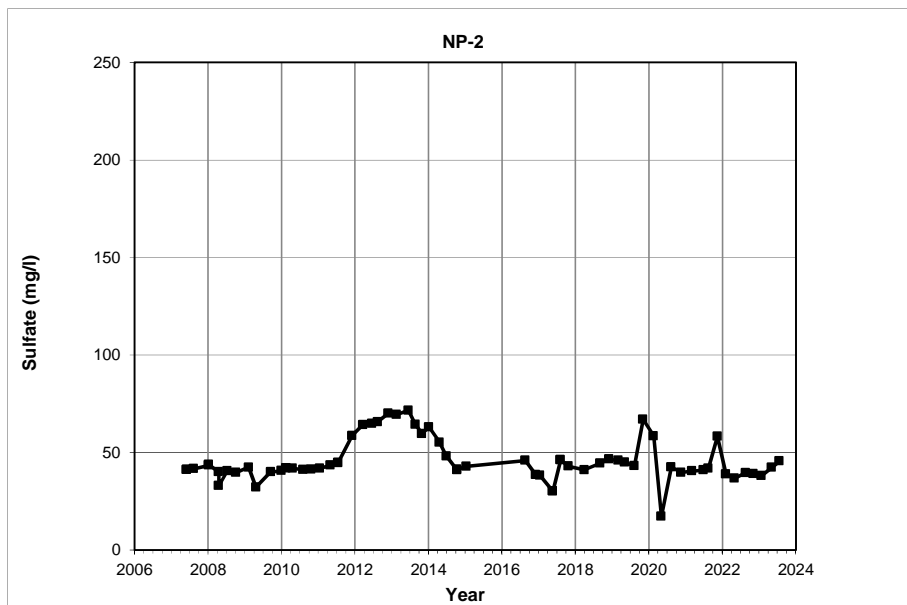


## **APPENDIX D**

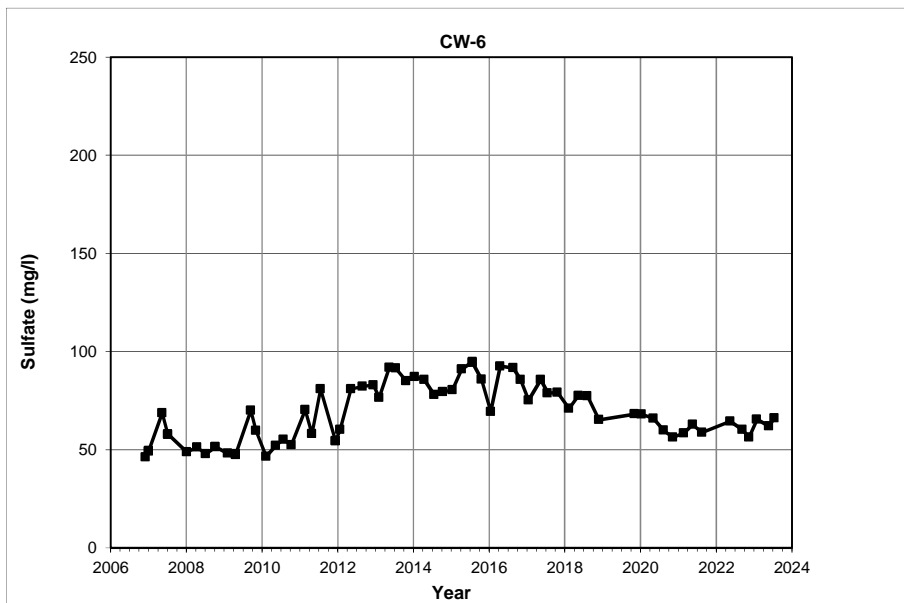
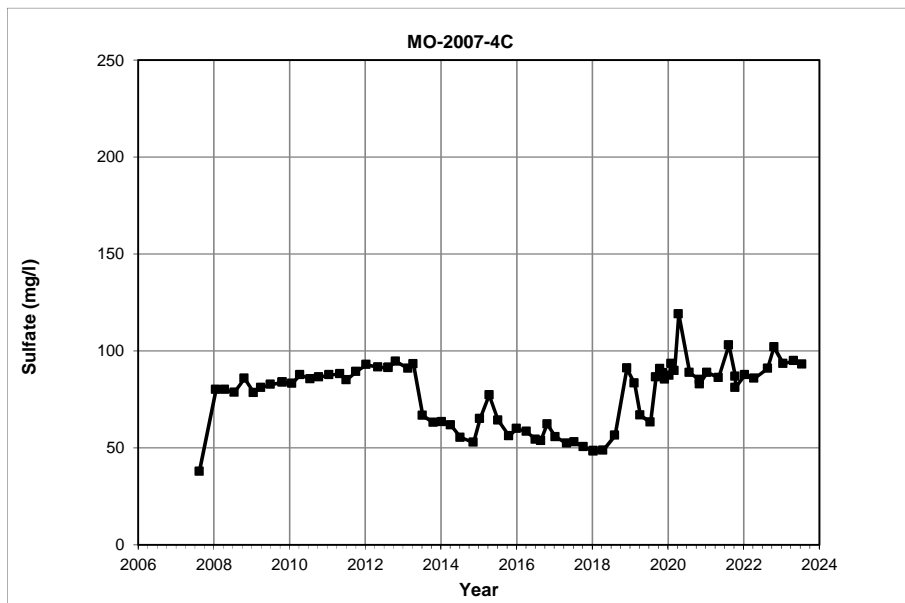
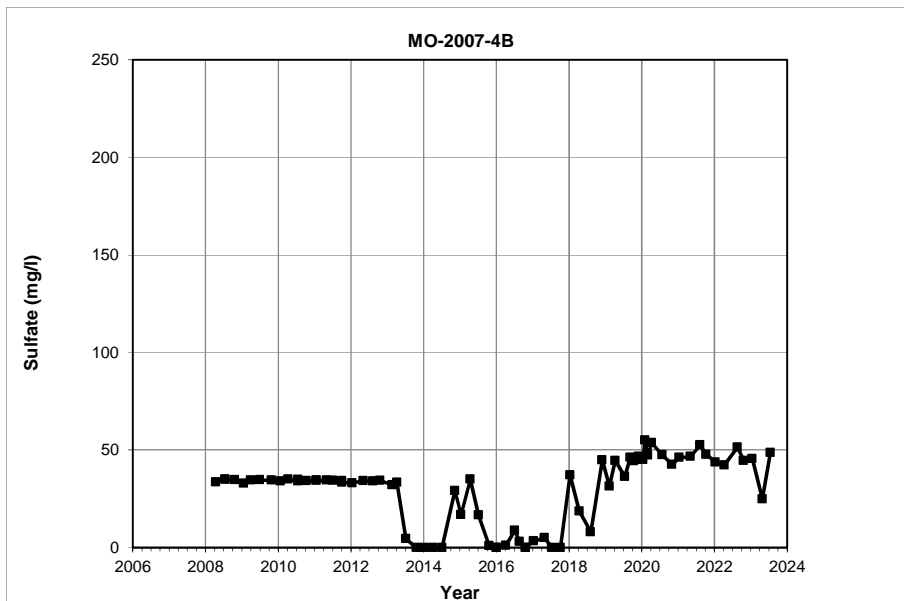
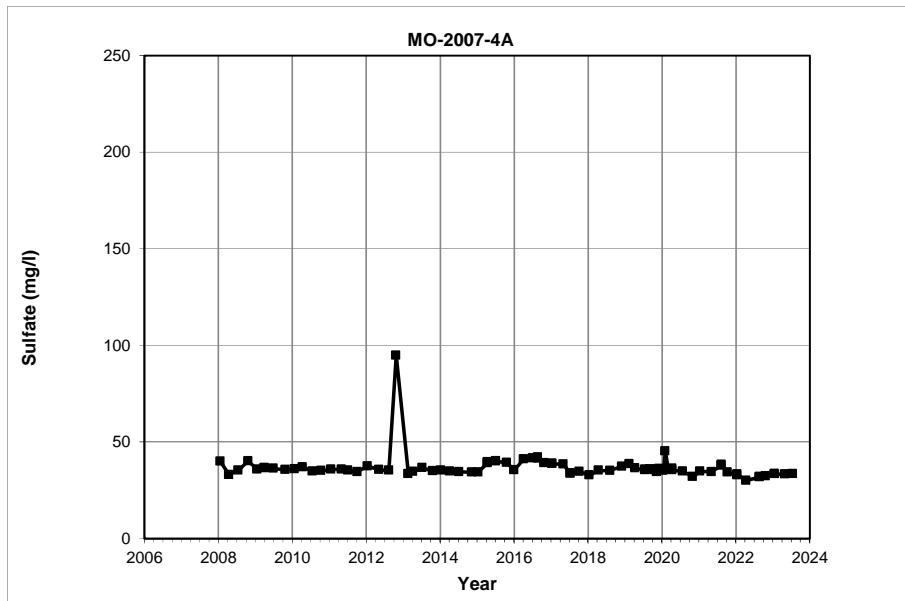
### **TIME SERIES GRAPHS OF SULFATE CONCENTRATION**



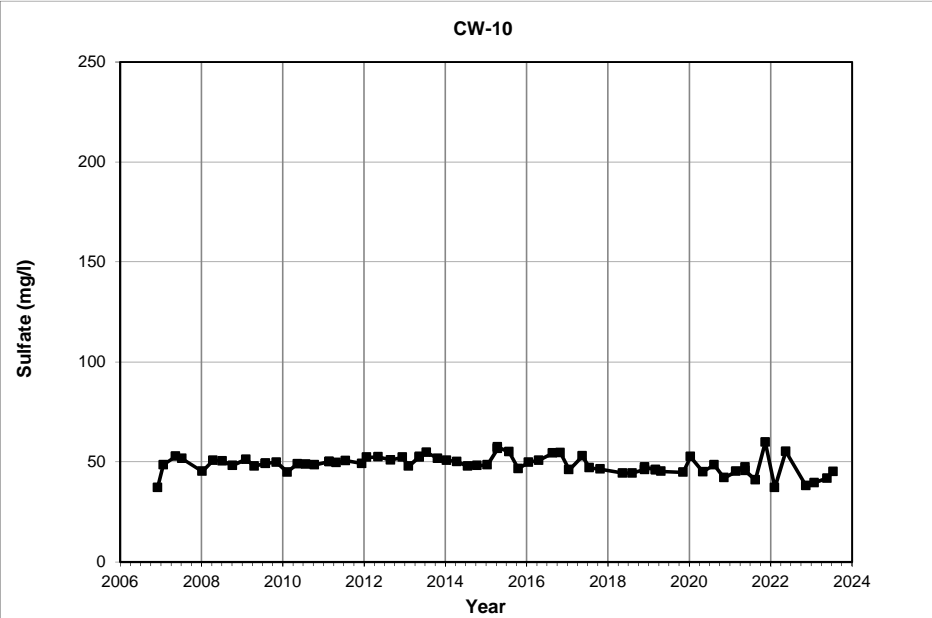
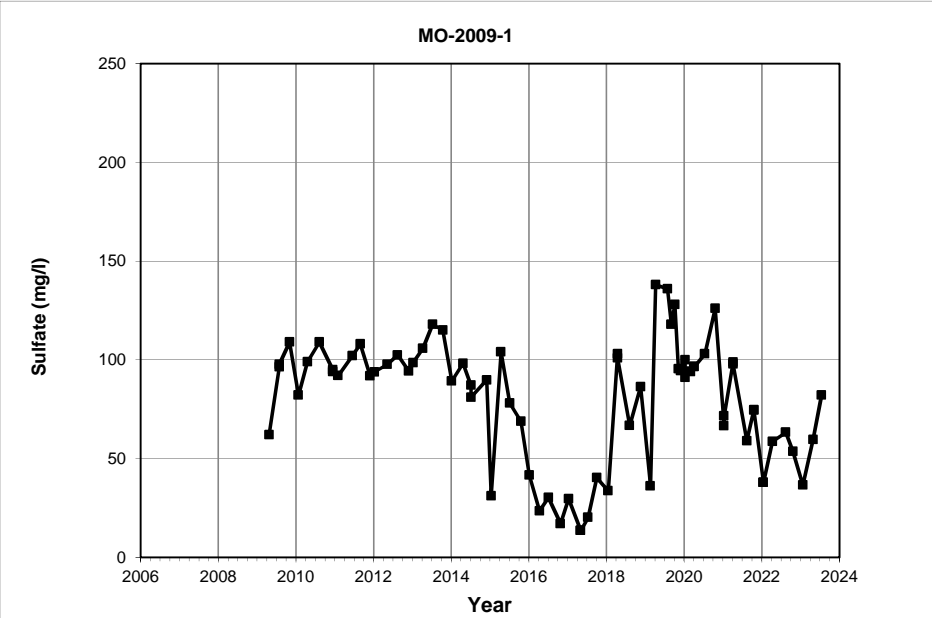
**FIGURE D.1**  
**SULFATE CONCENTRATION OVER TIME FOR WELLS**  
**NP-2, MO-2007-3B, MO-2007-3C, AND CW-9**



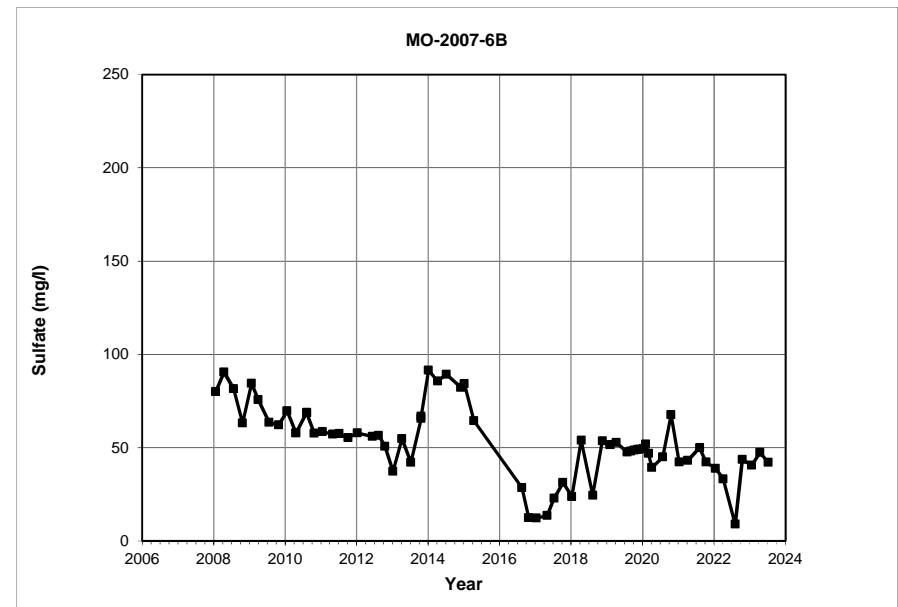
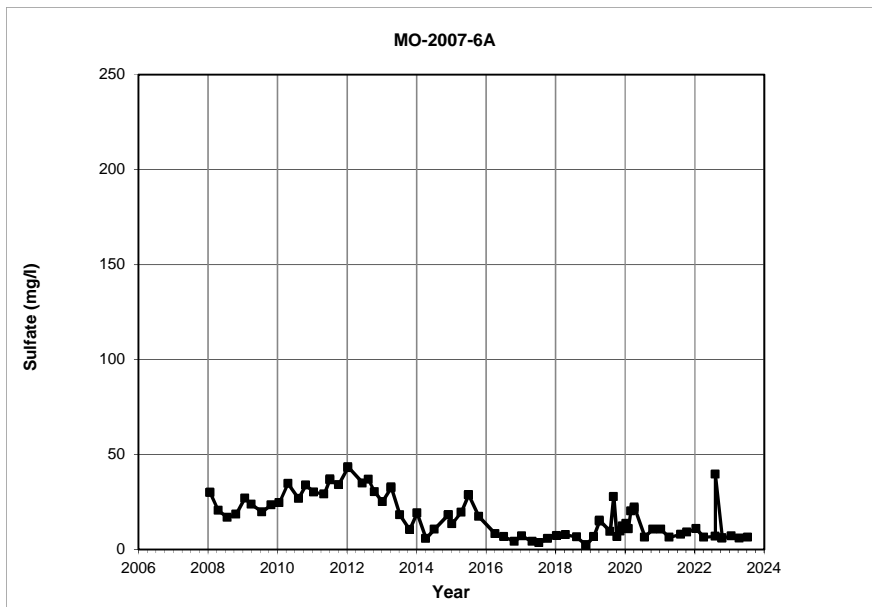
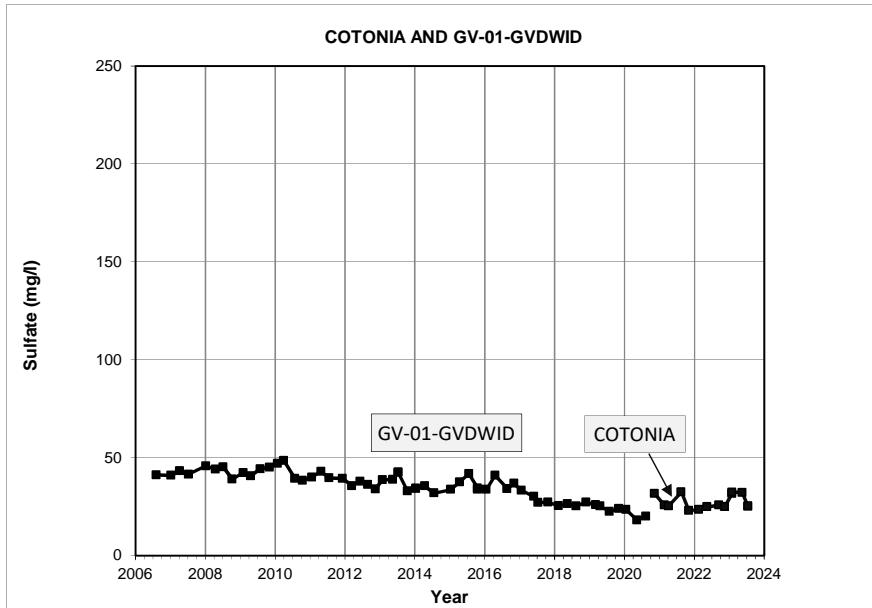
**FIGURE D.2**  
**SULFATE CONCENTRATION OVER TIME FOR WELLS**  
**MO-2007-4A, MO-2007-4B, MO-2007-4C, AND CW-6**



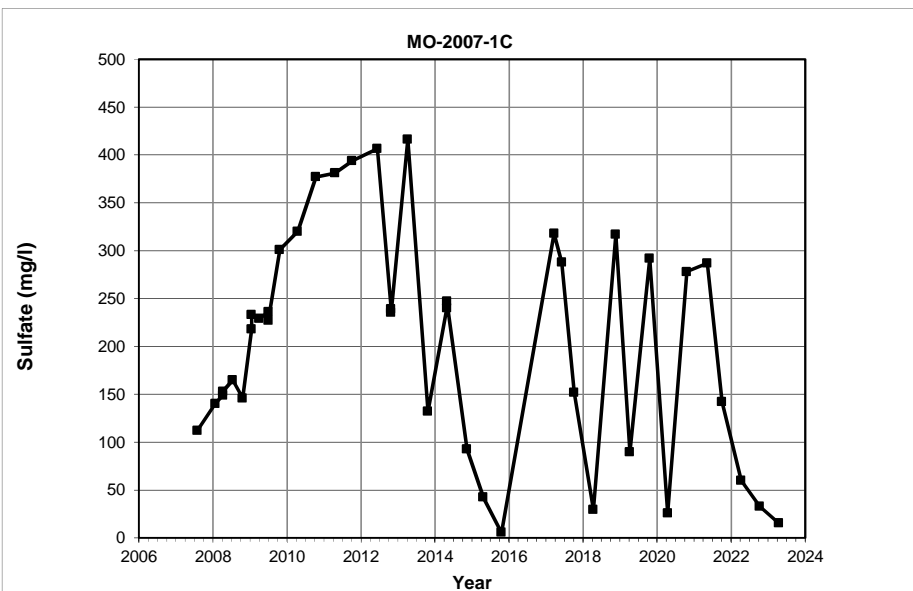
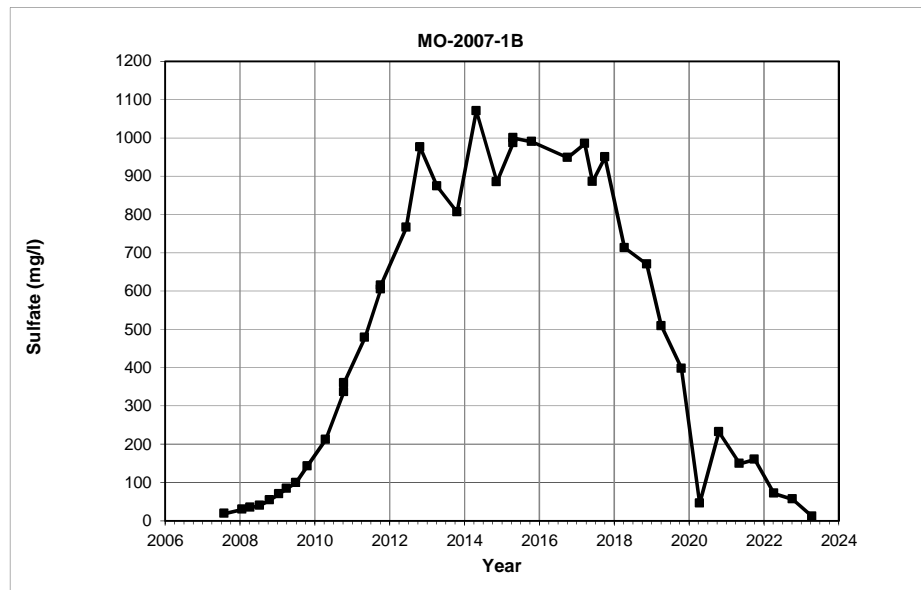
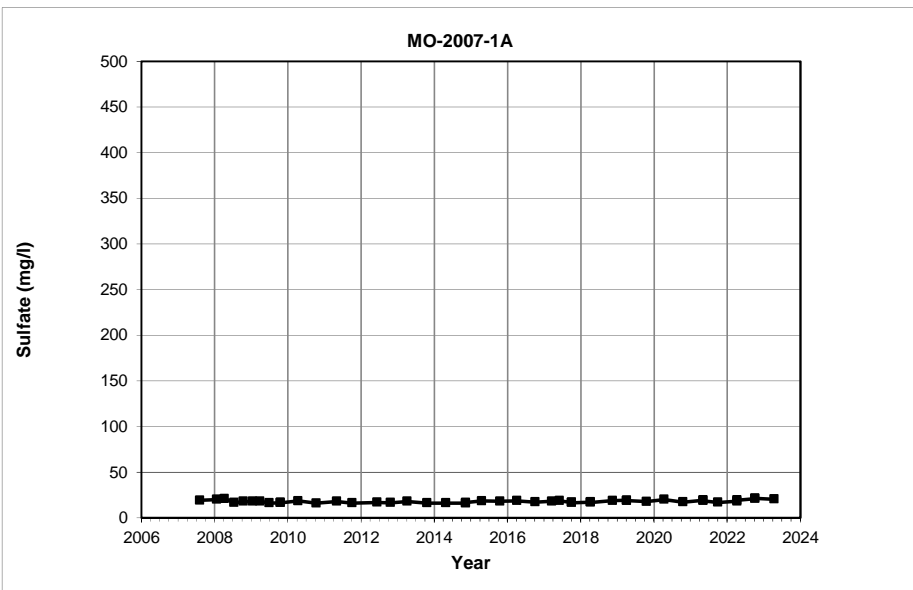
**FIGURE D.3**  
**SULFATE CONCENTRATION OVER TIME FOR WELLS**  
**MO-2009-1 AND CW-10**



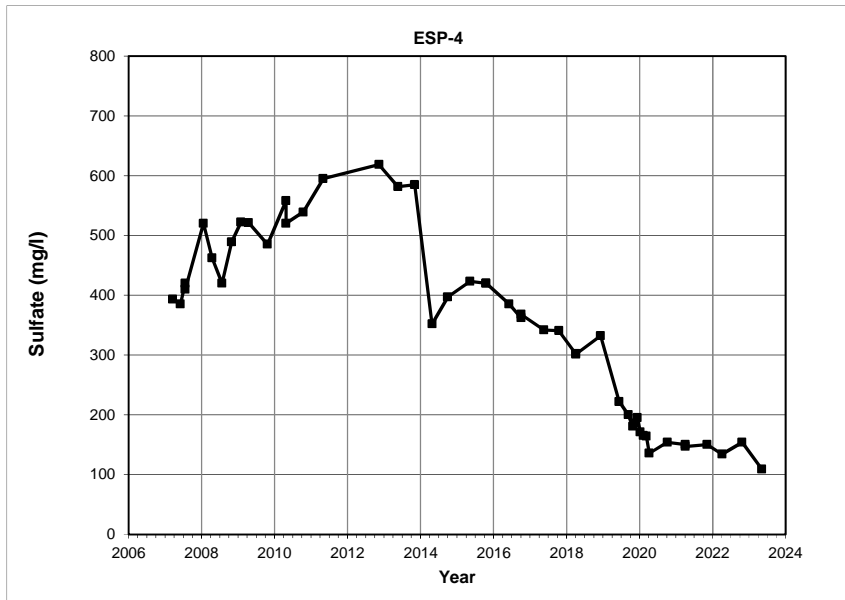
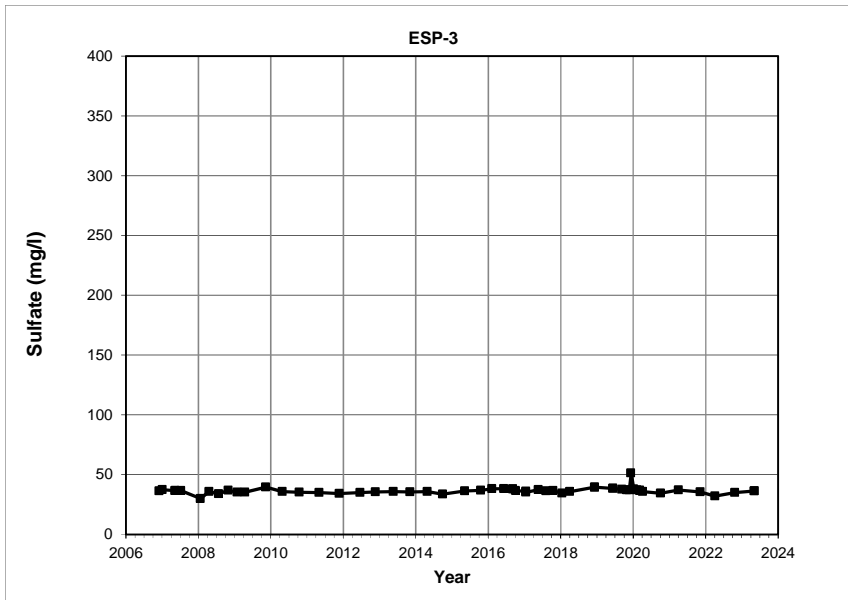
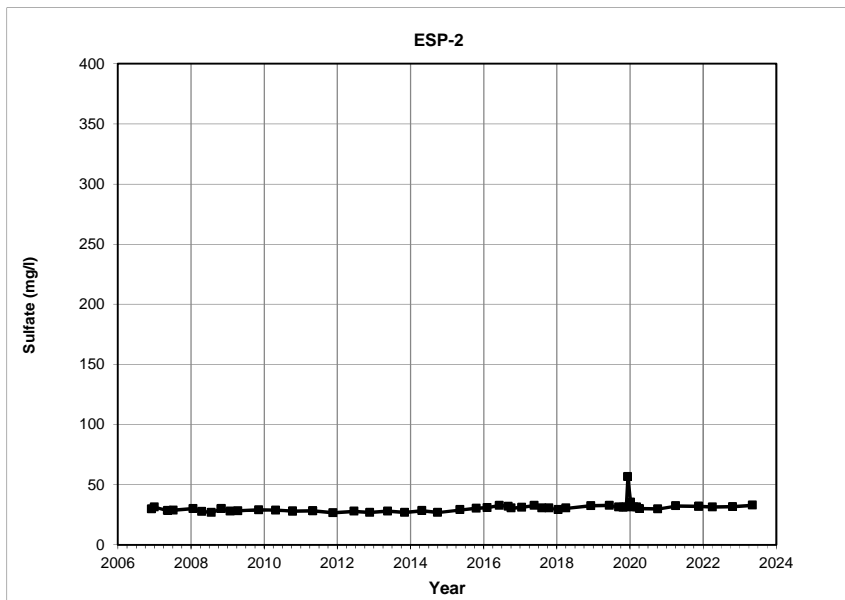
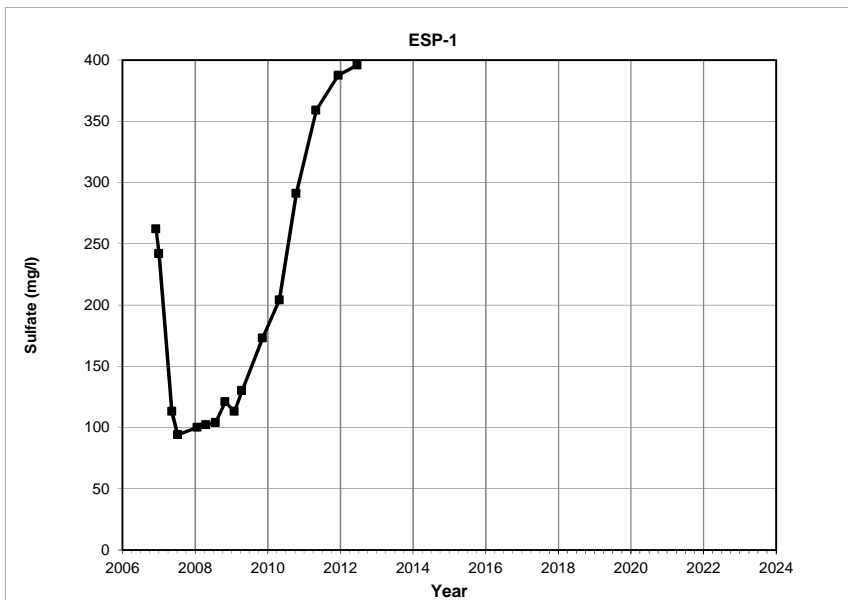
**FIGURE D.4**  
**SULFATE CONCENTRATION OVER TIME FOR WELLS**  
**COTONIA, GV-01-GVDWID, GV-02-GVDWID, MO-2007-6A, AND MO-2007-6B**



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

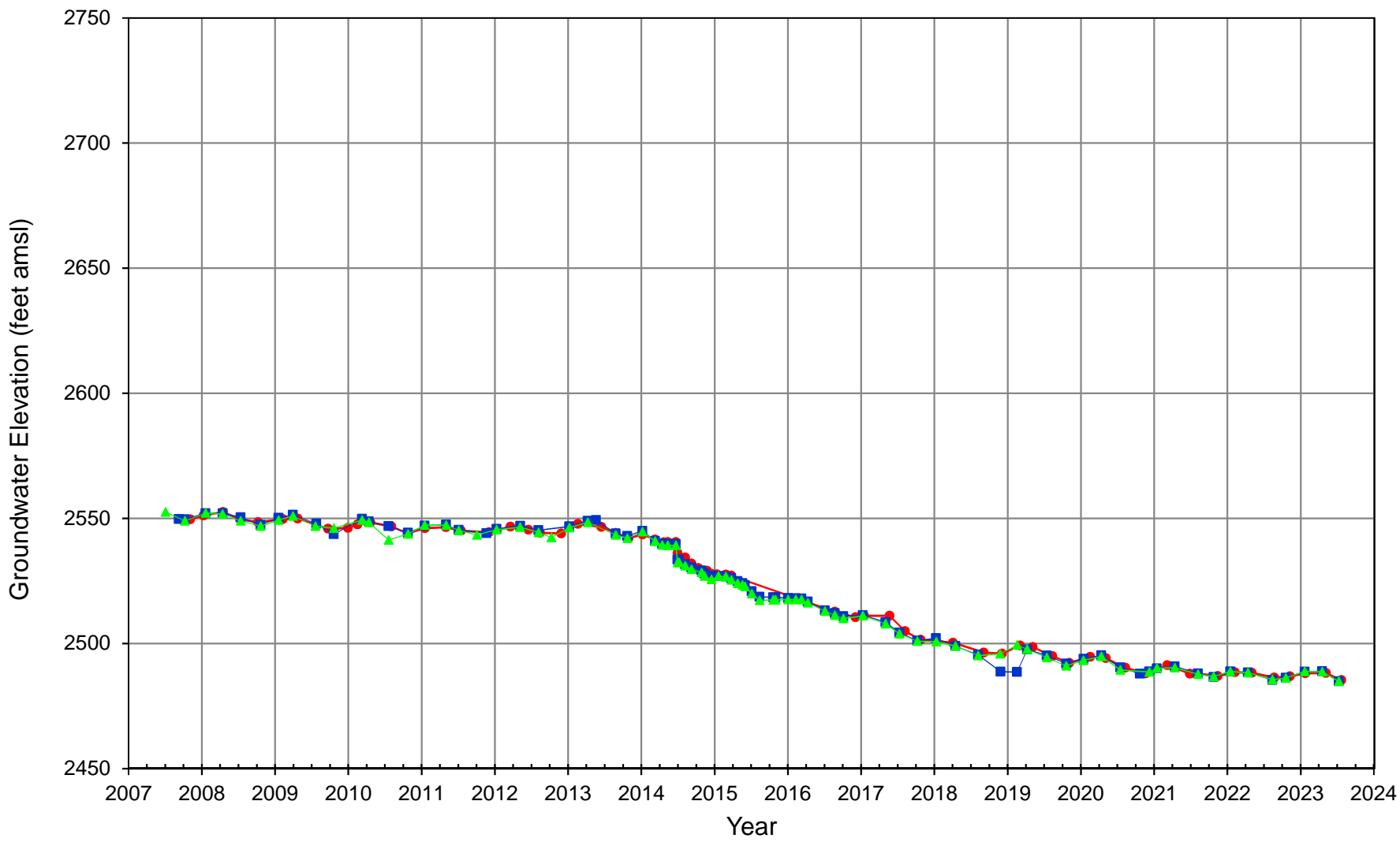


**FIGURE D.6  
SULFATE CONCENTRATION OVER TIME FOR WELLS  
ESP-1, ESP-2, ESP-3, AND ESP-4**




## **APPENDIX E**

### **TIME SERIES GRAPHS OF GROUNDWATER ELEVATION IN SENTINEL WELLS**

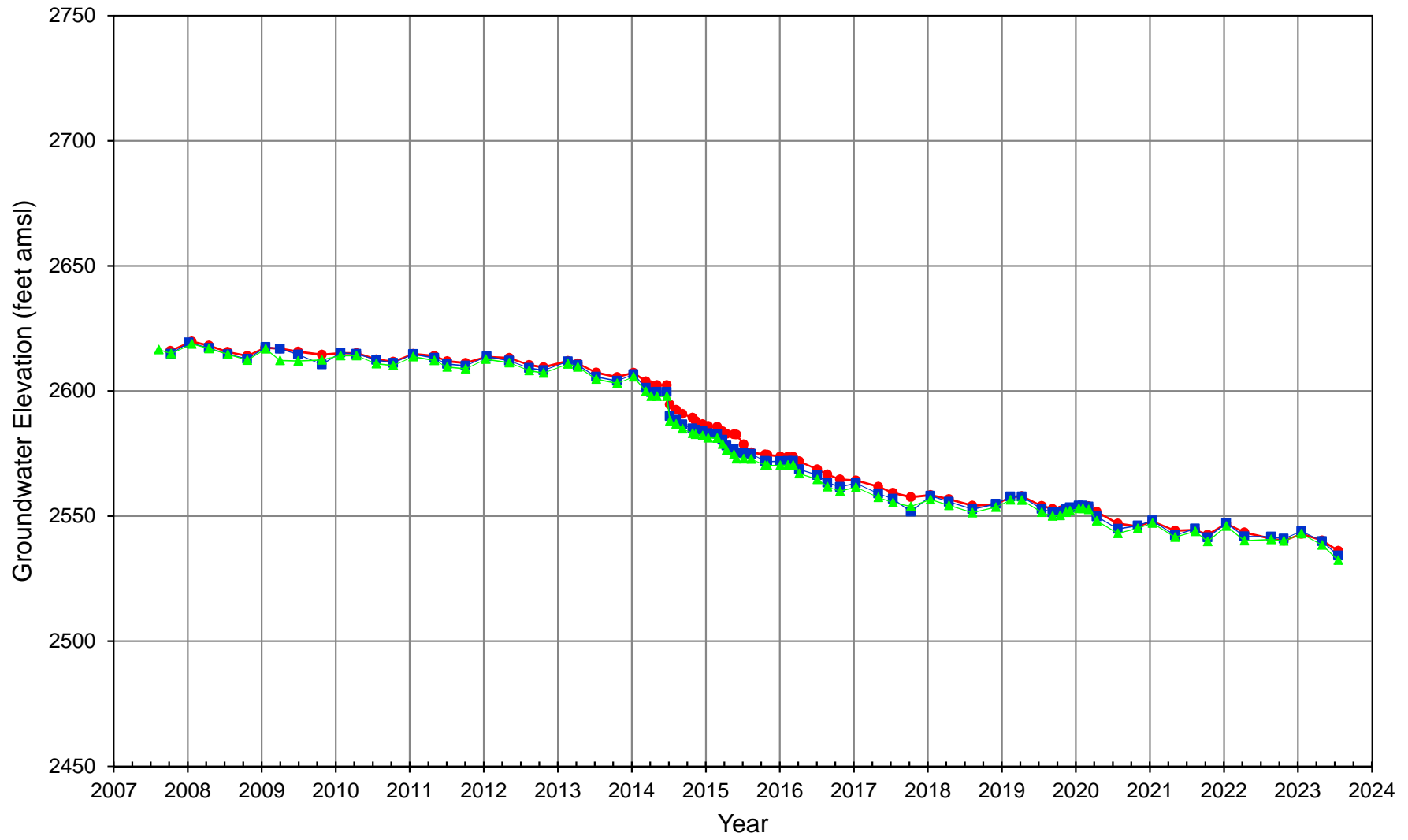


● NP-2     
 ■ MO-2007-3B     
 ▲ MO-2007-3C

Note: ft amsl = feet above mean sea level


	Date
	11/8/2023
<b>FIGURE E.1</b> Groundwater Elevations Over Time for Sentinel Wells NP-2, MO-2007-3B, and MO-2007-3C	

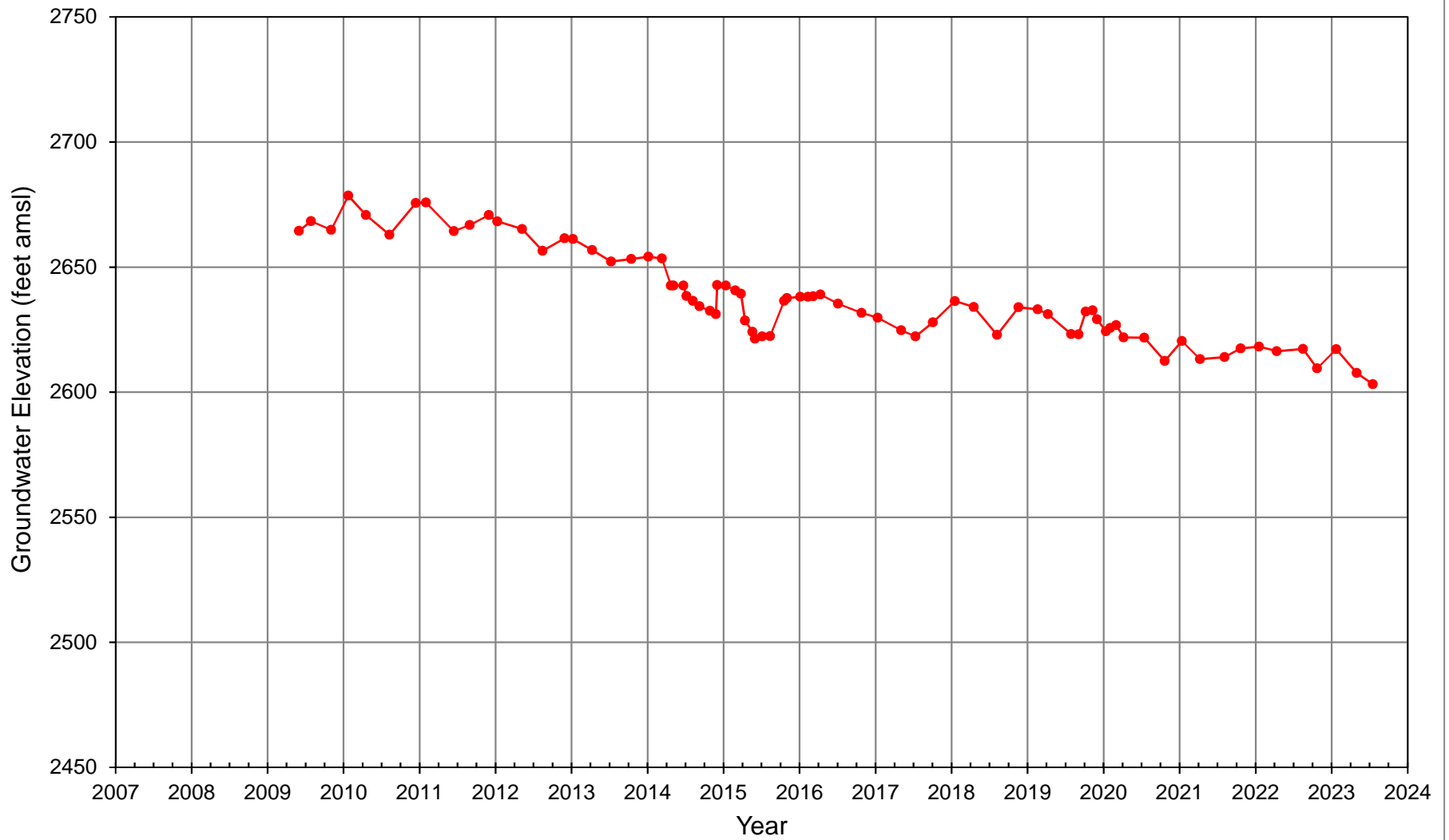




● MO-2007-4A     
 ■ MO-2007-4B     
 ▲ MO-2007-4C

Note: ft amsl = feet above mean sea level

	Date
	11/8/2023
<b>FIGURE E.2</b> Groundwater Elevations Over Time for Sentinel Wells MO-2007-4A, MO-2007-4B, and MO-2007-4C	



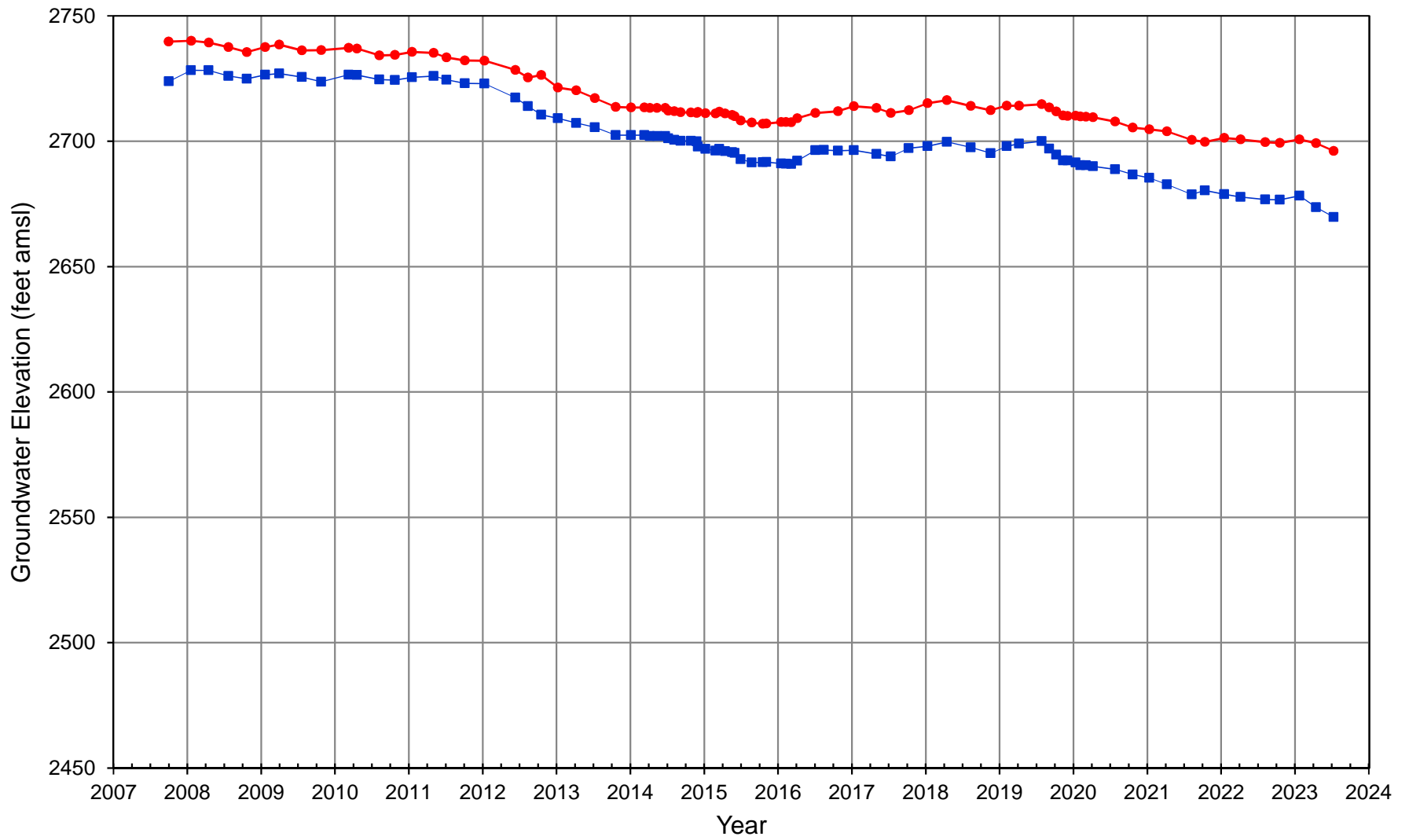
—●— MO-2009-1

Note: ft amsl = feet above mean sea level



Date 11/8/2023

FIGURE E.3  
Groundwater Elevations Over Time for Sentinel  
Well MO-2009-1



● MO-2007-6A      ■ MO-2007-6B

Note: ft amsl = feet above mean sea level



Date 11/8/2023

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