

TECHNICAL MEMORANDUM

San Antonio Creek Valley Groundwater Basin Quarterly Groundwater Level Monitoring – Second Quarter 2023

To: Ms. Stephanie Bertoux, Executive Director, San Antonio Basin Groundwater

Sustainability Agency

From: Michael McAlpin, GSI Water Solutions, Inc.

Sydney Robertson, GSI Water Solutions, Inc. David O'Rourke, GSI Water Solutions, Inc.

Attachments: Tables:

Table 1. Second Quarter 2023 Groundwater Level Measurements – Depth to Water Table 2. Second Quarter 2023 Groundwater Level Measurements – Groundwater

Elevation

Figure:

Figure 1. Wells Included in the San Antonio Creek Valley Groundwater Basin

Groundwater Monitoring Network

Date: July 12, 2023

Introduction

On behalf of the San Antonio Basin Groundwater Sustainability Agency (SABGSA), GSI Water Solutions, Inc. (GSI) completed the second quarter 2023 (2Q2023) San Antonio Creek Valley Groundwater Basin (Basin) groundwater level monitoring event (monitoring event) on June 20th and 21st, 2023. Prior to each quarterly monitoring event, GSI contacts well owners to coordinate access to the wells and request that well owners shut off the well for at least 8 hours before the monitoring event so that a static measurement can be obtained. Well owners were originally notified on June 9, 2023.

Due to equipment and biological issues, GSI was unable measure depth to water in five wells with secured access agreements during the June 20th and 21st, 2023 monitoring event. Well access agreements were secured by the SABGSA for three additional wells (22K3, White Hawk 1, and White Hawk 4) in the Basin Groundwater Level Monitoring Network (Monitoring Network) during the June 20th and 21st, 2023 monitoring event; however, the well access agreements were not secured in time to allow adequate notice to the well owners and therefore were not included in the June 20th and 21st, 2023 monitoring event. In consultation with the SABGSA Executive Director, GSI returned to the Basin to attempt to collect water level measurements from the five outstanding wells and the three wells with recently secured access agreements. GSI notified the respective well owners on June 22, 2023, to coordinate access to the wells. GSI returned to the Basin on June 28, 2023. The attached tables provide the status of current well access agreements and the attached figures show the well locations. The following paragraphs and attached tables summarize the results for this quarter.

2Q2023 Water Level Monitoring Event Summary

The attached tables summarize the results of the Basin 2Q2023 monitoring event for the wells in the Basin Monitoring Network. The tables include the status of current well access agreements, depth to water measurements, and calculated groundwater elevations for all wells that were able to be accessed during the monitoring event. Wells identified as Representative Monitoring Sites (RMS) in the Basin's Groundwater Sustainability Plan (GSP) are identified in Table 2 and denoted with the respective RMS's sustainable management criteria (i.e., minimum threshold and measurable objective). The following is a summary of observations from the 2Q2023 monitoring event:

- The airline pressure gage at Stephen's Well was broken during the June 20th and 21st, 2023 monitoring event. The gage was replaced by the ranch manager and an airline pressure was recorded during the June 28, 2023 monitoring event.
- Wells with active well access agreements that did not have a groundwater level measurement collected during the 2Q2023 Basin water level monitoring event were 2M1, 34P1, and Mesa Vineyard.
 - No water level measurement was collected from well 2M1 due to the risk of the sounder becoming stuck in the well. Groundwater level monitoring at well 2M1 is planned to resume pending the installation of a sounding tube.
 - No water level measurement was collected from well 34P1 due to observed bee activity at the well during the 2Q2023 monitoring event. The beekeeper for Vandenberg Space Force Base treated the well on July 7, 2023. Groundwater level monitoring at well 34P1 is planned to resume during the Basin 3Q2023 monitoring event.
 - No water level measurement was collected from the Mesa Vineyard well during the June 20th and 21st, 2023 monitoring event due to a suspected faulty sounder. During the June 28th, 2023 monitoring event the sounder became stuck in the well before a water level could be collected. The sounder was successfully retrieved from the well on June 30th, 2023.
- Well 2N1 and Mesa Vineyard have historically contained rusty material. Consequently, the sounder becomes coated when lowered into the well, occasionally blocking the sensor and preventing an accurate water level measurement.
- The vegetation along the Barka Slough area well access trails, that was trimmed during 1Q2023, has grown back. Although access to the wells has become impeded, the wells were more easily located in part due to the elevated PVC tubing that was attached to the wells following the vegetation trimming.

Recommendations

- Consider the installation of a sounding tube in well 2M1 and Mesa Vineyard.
- Perform well maintenance on wells 2N1 and Mesa Vineyard to clear rusty material.
- Secure access agreement to former California Statewide Groundwater Elevation Monitoring Program (CASGEM) well 13Q1.
- Continue public outreach to Basin stakeholders to discuss participation in the Basin's Monitoring Network.
- Consider the purchase and installation of additional continuous data recording pressure transducers.
- Perform a Reference Point Elevation (RPE) Survey for the wells included in the Basin Groundwater Level Monitoring Network in accordance with the Sustainable Groundwater Management Act (SGMA) well elevation accuracy requirements.
- Perform well video surveys of wells included in the Basin Groundwater Level Monitoring Network with outstanding well construction information (total depth and screened intervals).

Table 1. Second Quarter 2023 Groundwater Level Measurements – Depth to Water

Table 1. Second Quarter 2	2023 Groundwater L	ever ivieasuremer	its – Deptil to Water													
															DTW on	
							DTW on	DTW on	6/20/2023							
			Water Level		Total		6/22/2021	9/14/2021	12/8/2021	3/10/2022	6/21/2022	9/15/2022	12/14/2022	3/15/23	6/21/2023	
			Measurement		Depth	Aguifer of	and	3/16/23 and	and							
State Well Number	Site Name	Well Type	Frequency/Type	Area	(feet bgs)	Completion	6/23/2021	9/15/2021	12/9/2021	3/11/2022	6/22/2022	9/16/2022	12/15/2022	3/23/23	6/28/2023	Notes on 6/20/2023, 6/21/2023, and 6/28/2023
009N034W34N002S	SAHC	Monitoring	Continuous/Transducer	West San Antonio Basin	90	Careaga Sand	73.40	73.55	73.68	73.79	73.93	74.07	74.20	74.43	74.34	110103 011 0/ 20/ 2020/ 0/ 22/ 2020/ 0110 0/ 20/ 2020
008N034W21A002S	SASA		·		65		44.75	45.37	45.69	45.85	46.19	46.98	47.33	46.37	44.82	
	SAGR	Monitoring	Continuous/Transducer	West San Antonio Basin		Careaga Sand					-					
		Monitoring	Continuous/Transducer	West San Antonio Basin	90	Paso Robles Formation	62.06	63.68	63.25	62.89	64.50	66.88	65.72	64.18	62.18	
008N034W23H001S	SAHG	Monitoring	Continuous/Transducer	West San Antonio Basin	75	Paso Robles Formation	43.41	42.85	42.72	43.12	41.42	41.71	40.80	27.74	27.99	
008N033W22G001S	SALS	Monitoring	Continuous/Transducer	Central San Antonio Basin	70	Paso Robles Formation	39.04	38.73	39.73	39.50	39.44	39.34	39.69	31.15	29.29	
008N032W29L004S	SALA	Monitoring	Continuous/Transducer	Central San Antonio Basin	90	Paso Robles Formation	47.54	48.13	48.79	48.95	49.25	49.85	50.46	27.96	26.79	
008N033W19K002S	SACR 1	Monitoring	Continuous/Transducer	West San Antonio Basin	690	Careaga Sand	47.81	49.61	46.27	46.25	51.05	54.90	47.50		47.90	
008N033W19K003S	SACR 2	Monitoring	Quarterly/Discrete	West San Antonio Basin	540	Paso Robles Formation	81.41	76.58	75.51	78.76	81.30	83.33	72.58		77.38	Corrected State Well Number
008N033W19K004S	SACR 3	Monitoring	Quarterly/Discrete	West San Antonio Basin	350	Paso Robles Formation	119.19	113.90	99.00	102.25	119.95	122.83	99.33		110.41	
008N033W19K005S	SACR 4	Monitoring	Quarterly/Discrete	West San Antonio Basin	220	Paso Robles Formation	96.07	95.93	94.72	94.07	95.70	97.73	96.15		90.53	
008N033W19K006S	SACR 5	Monitoring	Quarterly/Discrete	West San Antonio Basin	110	Paso Robles Formation	99.75	100.49	100.30	99.68	99.98	100.47	100.87	95.86	91.91	Corrected State Well Number
008N032W19M001S	SACC 1	Monitoring	Continuous/Transducer	Central San Antonio Basin	980	Paso Robles Formation	227.45	237.35	229.72	235.35	236.20	241.70	220.97	214.99	224.04	
008N032W19M002S	SACC 2	Monitoring	Quarterly/Discrete	Central San Antonio Basin	720	Paso Robles Formation	217.18	219.00	215.05	217.05	217.45	222.83	215.17	210.04	212.87	
008N032W19M002S	SACC 3	Monitoring	Quarterly/Discrete	Central San Antonio Basin	530	Paso Robles Formation	220.53	224.73	220.42	219.40	220.10	223.35	213.17	208.65	213.21	
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008N032W19M004S	SACC 4	Monitoring	Quarterly/Discrete	Central San Antonio Basin	325	Paso Robles Formation	171.01	173.62	172.79	173.70	175.70	177.90	175.98	172.58	174.52	Commonto d Chate 1842-II November
008N032W19M005S	SACC 5	Monitoring	Quarterly/Discrete	Central San Antonio Basin	120	Paso Robles Formation	107.25	107.20	107.13	107.10	107.05	107.30	107.20	107.01	106.94	Corrected State Well Number
008N034W02M001S	2M1	Irrigation	Quarterly/Discrete	West San Antonio Basin	750	Paso Robles Formation	152.50	154.13	152.60	154.55						Temporarily discontinued due to risk of stuck sounder
	White Hawk 1	Irrigation	Quarterly/Discrete	Central San Antonio Basin	560	Careaga Sand	123.12	124.03	124.03	112.73	125.50	126.50	125.10	123.96	123.96	
008N32W17N001S	White Hawk 4	Irrigation	Quarterly/Discrete	Central San Antonio Basin	820	Careaga Sand	98.80	99.24	98.85	97.90	100.55	101.20	98.50	98.00	98.77	
	Mesa Vineyard	Irrigation	Quarterly/Discrete	Central San Antonio Basin		Careaga Sand	216.50	217.10	218.08	218.80	219.50	220.50	216.10	215.85		Sounder temporarily stuck in well
008N033W02N001S	2N1	Irrigation	Quarterly/Discrete	Central San Antonio Basin	980	Careaga Sand	226.50		224.65	227.10	226.20	228.00	225.50		224.23	Rusty material in well
008N033W02R001S	2R1	Irrigation	Quarterly/Discrete	Central San Antonio Basin	370	Careaga Sand	192.82	185.22	119.42	118.75	173.55	120.50	120.45	120.30	120.61	
008N033W10	4-Deer Field	Irrigation	Quarterly/Discrete	Central San Antonio Basin	490	Careaga Sand	25.15	27.82	27.67	27.09	65.90	68.00	28.61	25.59	27.53	
008N033W03L001S	4-Deer Highway	Irrigation	Quarterly/Discrete	Central San Antonio Basin	349	Careaga Sand	97.71	94.80	95.05	96.10	96.59	98.10	96.11	94.82	98.01	
	Schaff Well	Monitoring	Quarterly/Discrete	Central San Antonio Basin	669	Careaga Sand	215.82	216.28	216.65	216.76	217.24	217.90	218.05	218.24	218.29	
008N034W14L001S	14L1	Monitoring	Quarterly/Discrete	West San Antonio Basin	593	Careaga Sand	70.93	70.82	68.99	68.12	71.18	73.70	69.95	68.24	70.85	
009N034W34P001S	34P1	Monitoring	Quarterly/Discrete	West San Antonio Basin	223	Careaga Sand	68.86	68.60	68.55	72.66	71.85	70.80	70.15	66.50		Unable to access, due to biological hazard in well
008N034W17Q001S	17Q1	Monitoring	Quarterly/Discrete	West San Antonio Basin	48	Careaga Sand	13.85		14.78	14.80	15.40			13.31	13.72	Vegetation overgrown
008N034W21A001S	21A1	Monitoring	Quarterly/Discrete	West San Antonio Basin	271	Careaga Sand	35.64	36.22	36.79	36.93	37.80	38.75	38.83	37.70	37.40	Vegetation overgrown
	17K2	Monitoring	Quarterly/Discrete	West San Antonio Basin	60	Careaga Sand			6.98	6.98	7.13	7.30	7.40	7.38	7.30	Vegetation overgrown
008N034W17E001S	17E1	Monitoring	Quarterly/Discrete	West San Antonio Basin	89	Careaga Sand	21.40	21.76	22.03	22.20	22.28	22.35	22.38	19.72	19.44	Vegetation overgrown
008N034W16C002S	16C2	Monitoring	Continuous/Transducer	West San Antonio Basin	169	Careaga Sand	75.36	76.15	86.75	87.76	74.72	94.03	87.72	92.73	82.20	Vegetation overgrown
	16C4	Monitoring	Continuous/Transducer	West San Antonio Basin	560	Careaga Sand	67.24	67.80	73.94	74.66	87.21	79.63	75.30	78.30	74.79	Vegetation overgrown
008N034W17H001S	17H1	Monitoring	Quarterly/Discrete	West San Antonio Basin	61	Careaga Sand	15.68	16.54	17.20	16.97	17.81	18.81	18.90	13.24	13.94	Vegetation overgrown Vegetation overgrown
008N034W17F1001S	16F1	Monitoring	Quarterly/Discrete	West San Antonio Basin	58	Careaga Sand	30.33	30.92	38.50	40.34	43.83	46.30	45.47	45.09	38.45	Vegetation overgrown
008N034W16F0013	16G3	Monitoring	Quarterly/Discrete	West San Antonio Basin	56	Careaga Sand	48.84	49.00	49.31	49.86	50.52	51.17	51.85	52.36	52.47	vegetation overgrown
			· · · · · · · · · · · · · · · · · · ·									188.00			188.40	
008N033W13C001S	13C1	Irrigation	Quarterly/Discrete	Central San Antonio Basin	1,070	Careaga Sand	195.00		188.10	188.90	190.20	100.00	187.30		100.40	Nanaurad with ciding agreeting and to historical water
0001100011107								222.05	222 72			242.05	222.00		242.40	Measured with airline, corrections made to historical water
008N033W07	Stephen's Well	Irrigation	Quarterly/Discrete	West San Antonio Basin	590	Careaga Sand		332.95	338.73	341.04	339.88	343.35	339.88		342.19	level measurements
008N033W22K003S	22K3	Irrigation	Quarterly/Discrete	Central San Antonio Basin	250	Paso Robles Formation									79.65	
		Irrigation		Central San Antonio Basin	295	Paso Robles Formation										
	30D1	Monitoring		Central San Antonio Basin	895	Paso Robles Formation										
008N032W25D001S	25D1	Irrigation		East San Antonio Basin	700	Careaga Sand										
	22J1	Unknown		East San Antonio Basin		Careaga Sand										
	22N1	Unknown		East San Antonio Basin	175	Paso Robles Formation										
008N031W22M001S	22M1	Unknown		East San Antonio Basin		Careaga Sand										
008N034W24E001S	24 E1	Monitoring		West San Antonio Basin	580	Careaga Sand	-									
008N033W20Q002S	20Q2	Irrigation		West San Antonio Basin		Paso Robles Formation										
009N034W27L001S	27L1	Unknown		West San Antonio Basin	405	Careaga Sand	-									Well Destroyed March 2021
	VERNAS 1	Unknown		Central San Antonio Basin												
	VERNAS 2	Unknown		Central San Antonio Basin												
		Unknown		East San Antonio Basin												
008N032W27P003S	GUZMAN 2	Unknown		East San Antonio Basin												
008N032W30E005S	30E5	Unknown		Central San Antonio Basin	1,001	Paso Robles Formation										
	25B5	Unknown		Central San Antonio Basin	100	Paso Robles Formation										
008N032W28P004S	28P4	Unknown		East San Antonio Basin	524	Paso Robles Formation										
008N034W36R	Careaga Lease	Unknown		West San Antonio Basin	284	Careaga Sand										
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Notes:	

Green highlighted cells indicate well access agreement has been acquired Yellow highlighted cells indicate well access agreement is pending Red highlighted cells indicate well access denied

bgs = below ground surface

DTW = Depth to Water (feet below reference point elevation)

Table 2. Second Quarter 2023 Groundwater Level Measurements – Groundwater Elevation

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Part												I .	I .					GWE on	1
March Marc										GWE on	GWE on	GWE on	GWE on	GWE on	GWE on	GWE on	GWE on	6/20/2023	·
Section Sect				Water Level		Total		MT	MO	6/22/2021	9/14/2021	12/8/2021	3/10/2022	6/21/2022	9/15/2022	12/14/2022	3/15/23	6/21/2023	1
Section Sect				Measurement		Denth	Aguifer of	Flevation	Flevation	and	and	and	and	and	and	and	3/16/23 and		1
Mathematical Control of Math	State Well Number	Cita Nama	Wall Type		Aron	1 '	'			l							1		Notes on 6/20/2022 6/21/2022 and 6/29/2022
March Control March Control				1 71 71		, ,	· ·		(feet NAVD88)										Notes on 6/20/2023, 6/21/2023, and 6/28/2023
Property Company Property Co	009N034W34N002S	SAHC	Monitoring	Continuous/Transducer	West San Antonio Basin	363	Careaga Sand	358		381.94	381.79	381.66	381.55	381.41	381.27	381.14	380.91	381.00	
Months: Mont	008N034W21A002S	SASA	Monitoring	Continuous/Transducer	West San Antonio Basin	245	Careaga Sand			267.06	266.44	266.12	265.96	265.62	264.83	264.48	265.44	266.99	
Months: Mont	008N034W14L002S	SAGR	Monitoring	Continuous/Transducer	West San Antonio Basin	240	Paso Robles Formation			267.49	265.87	266.30	266.66	265.05	262.67	263.83	265.37	267.37	
Separate			<u> </u>	· · · · · · · · · · · · · · · · · · ·															
March Marc			<u> </u>	·															
SMESTERN			Monitoring	Continuous/Transducer	Central San Antonio Basin		Paso Robles Formation	397											
SMERIT MATERIAL Material Property Mate	008N032W29L004S	SALA	Monitoring	Continuous/Transducer	Central San Antonio Basin	506	Paso Robles Formation			548.83	548.24	547.58	547.42	547.12	546.52	545.91	568.41	569.58	
SMERITARY SMER	008N033W19K002S	SACR 1	Monitoring	Continuous/Transducer	West San Antonio Basin	-327	Careaga Sand	291		314.01	312.21	315.55	315.57	310.77	306.92	314.32		313.92	
Separate Property Separate			<u> </u>	· ·			•												Corrected State Well Number
MORE NUMBERS MARCH				· · · · · · · · · · · · · · · · · · ·				222											Corrected State Well Number
Considerations Consideration Considerati				, , , , , , , , , , , , , , , , , , ,				233					.						
Control No.	008N033W19K005S	SACR 4	Monitoring	Quarterly/Discrete	West San Antonio Basin	143	Paso Robles Formation			265.75	265.89	267.10	267.75	266.12	264.09	265.67		271.29	
Mathematical Notice	008N033W19K006S	SACR 5	Monitoring	Quarterly/Discrete	West San Antonio Basin	252	Paso Robles Formation			265.49	264.75	264.94	265.56	265.26	264.77	264.37	269.38	273.33	Corrected State Well Number
Month March Month Mont	008N032W19M001S	SACC 1	Monitoring	Continuous/Transducer	Central San Antonio Basin	-394	Paso Robles Formation	348		357 59	347 69	355 32	349 69	348 84	343 34	364.07	370.05	361.00	
March Marc				·															
Section Sect				· · · · · · · · · · · · · · · · · · ·															
Section Control Section	008N032W19M003S	SACC 3	Monitoring	Quarterly/Discrete	Central San Antonio Basin	56	Paso Robles Formation			364.52	360.32	364.63	365.65	364.95	361.70	371.56	376.40	371.84	
Page	008N032W19M004S	SACC 4	Monitoring	Quarterly/Discrete	Central San Antonio Basin	261	Paso Robles Formation			413.98	411.37	412.20	411.29	409.29	407.09	409.01	412.41	410.47	
Page				· · · · · · · · · · · · · · · · · · ·															Corrected State Well Number
## Owner Land A Trigglish Charactery State of the Company State of the C				· · · · · · · · · · · · · · · · · · ·															
PRESENTATION Contempt Conte	008N034W02N001S		-	·								 							remporarily discontinued due to risk of stuck sounder
Mess Virey Inglition Calester/Placeted Central Sea-Action Balls — Careage Sead — — 587.5 59.00 588.71 587.20 597.51 588.20 590.61 — County			Irrigation	Quarterly/Discrete	Central San Antonio Basin		Careaga Sand										+		
MORRICANICATIONS 201 register Mountain	008N32W17N001S	White Hawk 4	Irrigation	Quarterly/Discrete	Central San Antonio Basin	-39	Careaga Sand			682.87	682.43	682.82	683.77	681.12	680.47	683.17	683.67	682.90	
Composition		Mesa Vinevard	Irrigation	Quarterly/Discrete	Central San Antonio Basin		Careaga Sand			590.29	589.69	588.71	587.99	587.29	586.29	590.69	590.94		Sounder temporarily stuck in well
Composition Part Original Composition Compositio	0080033000300015			·			•												
Depoil 2019/2019/2019 September Perfect of Impation Control Professor Contro			_	· ·			-				1	-							Rusty material in well
Control Cont	008N033W02R001S		Irrigation	Quarterly/Discrete	Central San Antonio Basin		Careaga Sand												
South Well Monthring QuarterlyDiscrete West San Antonio Bain -71 Creage Sand - 25.08 35.02 35.05 35.27 35.25 35.27 25.07 25.01 25.00 25.00 25.01 25.00	008N033W10	4-Deer Field	Irrigation	Quarterly/Discrete	Central San Antonio Basin	149	Careaga Sand			614.21	611.54	611.69	612.27	573.46	571.36	610.75	613.77	611.83	
Schaff Well Montening Clusterly/Discrete Central Six Advanced Books 71 Cenego Sand -	008N033W03L001S	4-Deer Highway	Irrigation	Quarterly/Discrete	Central San Antonio Basin	340	Careaga Sand			591.97	594.88	594.63	593.58	593.09	591.58	593.57	594.86	591.67	
Manual Notation Mail Monitoring Counterly/Discrete Weel San Antonio Beam -2-64 Careage Sand -7-9-88 78-9-80 78-1-88 78-2-70 78-2-77 78-			<u> </u>	, ·	Central San Antonio Basin	-71				383 68	383 22	382.85	382 7/		381 60		381.26	381 21	
Septiment Sept	000010341444410045																		
Septiment Sept				· · · · · · · · · · · · · · · · · · ·													<u> </u>		
Design Service Company	009N034W34P001S	34P1	Monitoring	Quarterly/Discrete	West San Antonio Basin	230	Careaga Sand	361	386	386.10	386.36	386.41	382.30	383.11	384.16	384.81	388.46		Unable to access, due to biological hazard in well
Montrolling Clark Montrolling Clarkerty/Discrete West San Antonio Basin 30 Careage Sand - - 267.53 267.55 266.98 266.97 267.00 26.90 2	008N034W17Q001S	17Q1	Monitoring	Quarterly/Discrete	West San Antonio Basin	222	Careaga Sand			261.15		260.22	260.20	259.60			261.69	261.28	Vegetation overgrown
DBMS034W1700015 7F1	008N034W21A001S	21A1	Monitoring	Quarterly/Discrete	West San Antonio Basin	30	Careaga Sand			268 13	267.55	266.98	266.84	265 97	265.02	264 94	266.07	266 37	
Montroling Montroling Quarterly/Discrete West San Antonio Basin 154 Carego Sand 225.70 275.40 274.70 272.73 272.75 272.75 272.76 Vegetation overgrown Collegious/Particular Vest San Antonio Basin 160 Carego Sand 275.00 275.00 275.00 274.70 272.75 272.73 277.00 272.75 272.70 272.75 272				· · · · · · · · · · · · · · · · · · ·							1						+		i i
Death of Ministrian Commonship Commons												 	.						
DRAMSWATECOMES 1564 Monitoring Controlloy/Transducer West San Antonio Basin -231 Careaga Sand	008N034W17E001S	17E1	Monitoring	Quarterly/Discrete	West San Antonio Basin	154	Careaga Sand			225.70	225.34	225.07	224.90	224.82	224.75	224.72	227.38	227.66	Vegetation overgrown
DBM034W37F00015 File Monitoring Quarterly/Discrete West San Antonio Basin 199 Carcage Sand 2-9.14 2-9.55 2-17.00 2-17	008N034W16C002S	16C2	Monitoring	Continuous/Transducer	West San Antonio Basin	160	Careaga Sand			254.80	254.01	243.41	242.40	255.44	236.13	242.44	237.43	247.96	Vegetation overgrown
DBM034W37F00015 File Monitoring Quarterly/Discrete West San Antonio Basin 199 Carcage Sand 2-9.14 2-9.55 2-17.00 2-17	008N034W16C004S	16C4	Monitoring	Continuous/Transducer	West San Antonio Basin	-231	Careaga Sand			262.75	262.19	256.05	255.33	242.78	250.36	254.69	251.69	255.20	Vegetation overgrown
DRMORNIAMERIONIS 661 Monitoring Outstarthy/Discrete West San Antonio Basin 219 Careage Sand				·			•												
DBMR034W1560035 1563 Monitoring Quarterly/Discrete West San Antonio Basin 239 Careags Sand 256 244 248.64 248.48 248.17 247.62 245.95 245.31 245.52 245.01				· · · · · · · · · · · · · · · · · · ·			•						1				1		
DBBN033W12C0015 SECHEN Frigation Cuarterly/Discrete Central San Antonio Basin -293 Careaga Sand -655 597 582.75 -7 589.65 588.85 589.75 590.45 -7 589.35 -7 589.				, ·	west San Antonio Basin		Careaga Sand												vegetation overgrown
Designation Commonwealth Fingation Counterly/Discrete West San Antonio Basin 20	008N034W16G003S	16G3	Monitoring	Quarterly/Discrete	West San Antonio Basin	239	Careaga Sand	226	244	248.64	248.48	248.17	247.62	246.96	246.31	245.63	245.12	245.01	
Designation Septem's Well Irrigation Quarterly/Discrete West San Antonio Basin 83 Careaga Sand	008N033W13C001S	13C1	Irrigation	Quarterly/Discrete	Central San Antonio Basin	-293	Careaga Sand	565	597	582.75		589.65	588.85	587.55	589.75	590.45		589.35	
OBBNIO33WOZ Sephen's Well riggation Counterly/Discrete Central San Antonio Basin 8.3 Carega Sand 34.06 335.29 332.98 334.13 330.67 334.13 331.82 level measurements			T .	, , , , , , , , , , , , , , , , , , ,			Ĭ												Measured with airline corrections made to historical water
DOBNO33W12Q0035 22K3	008102214/07	Ctanhan's Wall	Irrigation	Overterly/Disercts	Wast Can Antonia Basin	02	Caraga Sand				241.06	225.20	222.00	224 12	220.67	224.12		221 02	,
DOBNO33W13Q0015 301		<u> </u>					-					333.29		334.13		334.13			level measurements
08N032W3900015 3001 Monitoring				Quarterly/Discrete				344	370									373.68	
Coreage Sand Core	008N033W13Q001S	13Q1	Irrigation		Central San Antonio Basin	367	Paso Robles Formation												
Coreage Sand Core	008N032W30D001S	30D1	Monitoring		Central San Antonio Basin	-355	Paso Robles Formation	345	388										
ORNO31W22J001S 22J1			+ <u> </u>																
08N031W22N001S 22N1							•							-		-			
DOBNO31W22M001S 22M1		_		-		-													
DOBNO34W24E001S 24 E1 Monitoring West San Antonio Basin -230 Careaga Sand 220 257	008N031W22N001S	22N1	Unknown		East San Antonio Basin	1,026	Paso Robles Formation												
DOBNO34W24E001S 24 E1 Monitoring West San Antonio Basin -230 Careaga Sand 220 257	008N031W22M001S	22M1	Unknown		East San Antonio Basin		Careaga Sand												
DOBNO33W2QQ0025 1rrigation							•	220	257										
Ognosal August Ogno		_				+	-										 		
Figure F																			
VERNAS 2 Unknown Central San Antonio Basin	009N034W27L001S	-				110	Careaga Sand												Well Destroyed March 2021
		VERNAS 1	Unknown		Central San Antonio Basin														
		VERNAS 2	Unknown		Central San Antonio Basin														
008N032W27P003S GUZMAN 2 Unknown East San Antonio Basin																			
008N032W30E005S 30E5 Unknown Central San Antonio Basin -458 Paso Robles Formation <td< td=""><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>						-													
008N033W25B005S 25B5 Unknown Central San Antonio Basin 426 Paso Robles Formation																			
008N032W28P004S 28P4 Unknown East San Antonio Basin 99 Paso Robles Formation	008N032W30E005S	30E5	Unknown		Central San Antonio Basin	-458	Paso Robles Formation												
008N032W28P004S 28P4 Unknown East San Antonio Basin 99 Paso Robles Formation	008N033W25B005S	25B5	Unknown		Central San Antonio Basin	426	Paso Robles Formation												
							_										 		
UUNINUSAW SOK Careaga Lease UNIKNOWN West San Antonio Basin 344 Careaga Sand																			
	UU8NU34W36R	Careaga Lease	Unknown		vvest San Antonio Basin	344	Careaga Sand												



Green highlighted cells indicate well access agreement has been acquired Yellow highlighted cells indicate well access agreement is pending Red highlighted cells indicate well access denied Minimum Threshold (MT) exceeded MO = Measurable Objective NAVD88 = North American Vertical Datum of 1988 GWE = Groundwater Elevation (feet NAVD88)

-- = unknown or not applicable

