

SPECIAL IMPROVEMENT DISTRICT #1 OF THE
RIO GRANDE WATER CONSERVATION DISTRICT

ANNUAL REPORT FOR THE
2020 PLAN YEAR

Prepared

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by

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Executive Summary

The Rio Grande Water Conservation District (RGWCD) established Special Improvement District #1 (Subdistrict #1) in 2006. After extensive litigation and appeals over the Plan of Water Management (Plan), and decisions by both the District and the Colorado Supreme Courts in 2010 and 2011, respectively, the Plan was approved. The approved Plan guided the implementation of Subdistrict #1. In spring 2012, the State Engineer's Office (SEO) provided additional guidance regarding the Annual Replacement Plan (ARP).

After SEO approval of the 2012 Annual Replacement Plan for Subdistrict #1, objectors-initiated litigation over the ARP's suitability. On October 29 and 30, 2012, a Court trial was held to address the Subdistrict #1 augmentation plans and subject wells' description and whether Closed Basin Project (CBP) production could be used as a replacement water source. The District Court issued its ruling on the objections on April 10, 2013 approving the ARP, including the use of the CBP production as a replacement water source. Some of the objectors appealed the Court's ruling to the Colorado Supreme Court and arguments in the case were heard on September 30, 2014.

On June 29, 2015, the Colorado Supreme Court ruled in a unanimous opinion that the 2012 ARP's inclusion of Closed Basin Project water as a source of replacement water for depletions caused by Subdistrict groundwater withdrawals was adequate and suitable to prevent injury to senior surface water rights and the inclusion of augmentation plan wells as Subdistrict wells for the purpose of calculating total groundwater depletions did not render the ARP invalid.

On April 13, 2020, the 2020 ARP was finalized and provided to the SEO, the District Court and the public. On May 1, 2020, the SEO approved the 2020 ARP, enabling Subdistrict #1 staff to move forward remedying injurious depletions. The Plan and the Court require a detailed Annual Report (AR) to document Subdistrict #1's compliance with the decrees and the approved 2020 ARP. The AR is due on or before March 1, 2021.

The SEO and the Colorado Division of Water Resources (CDWR) generate much of the data required to be included in the AR. The data describes the various aspects of water use throughout the 2020 ARP year related to Subdistrict #1, including streamflow records, diversion records and Subdistrict #1 well groundwater withdrawal records.

Although the ARP year is not yet complete, Subdistrict #1 has accomplished a majority of the ARP's goals. This AR details how Subdistrict #1 has remedied all injurious depletions at the time the injury occurred, in the place the injury occurred and for the total amount of injury for the 2020 ARP year. This AR complies with the terms and conditions of the court decrees by permitting public access to data related to projections in the 2020 ARP and to Subdistrict #1's actual operations. It also details the outcomes of Subdistrict #1's actions during the 2020 ARP year.

Subdistrict #1 proceeded with proactive and conservative practices during the 2020 ARP Year to ensure senior water rights were not injured by groundwater withdrawals from Subdistrict #1 Wells. The 2020 AR describes the data, methodology and calculations that verify injurious depletions were remedied as required.

This AR confirms that Subdistrict #1 provided more replacement water to the Rio Grande than was necessary for the Plan Year to properly make the river “whole.” The AR also describes Subdistrict #1’s attempts to reduce groundwater withdrawals through use of the Conservation Reserve Enhancement Program (CREP) and other conservation programs.

The AR data is accurate as of March 1, 2021 but will not be complete until the end of the 2021 ARP year, April 30, 2022.

1.0 CALCULATIONS OF ACTUAL PLAN YEAR 2020 RIO GRANDE DEPLETIONS FROM SUBDISTRICT WELLS

This section of the 2020 AR presents data showing both projected and actual calculated depletions to the Rio Grande caused by groundwater withdrawals from Subdistrict #1 Wells. Depletions are calculated by a CDWR supplied Response Function spreadsheet that outputs total depletions for the ARP year and a breakdown of monthly depletions for three reaches of the Rio Grande.

Projected depletions were presented in the 2020 ARP completed on April 13, 2020. Forecasted calendar year flow through the Rio Grande near Del Norte gage (index gage) was the primary bench mark used to make projections. From this forecast, estimates of total well groundwater withdrawals, canal diversions and annual recharge credit were prepared and utilized in the depletion spreadsheet. In the following subsections, actual river depletions have been calculated for 2020 using recorded values for groundwater withdrawals, canal diversions and resulting recharge credit.

Full definitions of terms and the processes used in this section are included in the ARP and the Plan. As the AR is a summary report of the success of the ARP, definitions and extensive explanations are not repeated herein.

1.1 STREAM FLOW FORECASTS COMPARED TO ACTUAL FLOWS

1.1.2 2020 Stream Flow Forecasts

The Division Engineer for Water Division 3 elected to use a hybrid of both the NRCS Forecast and the National Weather Service Forecast for the Rio Grande gage near Del Norte (index gage) as well as the Conejos River system in 2020. Data collected from the Division 3 Engineer’s Preliminary Rio Grande Compact Ten Day Report on April 6, 2020 estimated the flow for the period April – September 2020 for the index gage to be 454,000 ac-ft. Also, from the data contained in the report, 96,000 ac-ft is added to the April – September hybrid forecast for the

index gage to obtain the projected annual flow. Therefore, using the Division Engineer's April 6, 2020 hybrid forecast and the additional 96,000 ac-ft, the projected annual flow of the Rio Grande at the index gage was 550,000 ac-ft.

1.1.3 2020 Actual Stream Flow

Based on the Division 3 Engineer's Rio Grande Compact Ten Day Report for the end of 2020, see Appendix H of the Appendices, the actual annual flow of the Rio Grande through the index gage was 377,300 ac-ft. This decrease below the projected flows resulted in an increase in calculated stream depletions for the Subdistrict. On November 13, 2020 staff at the Rio Grande Water Conservation District, reran the Response function with approximate 2020 ground water withdrawal figures based on the date received from the submitted meter readings as well as the decrease in Rio Grande flows from the projected flows. This was done as a preventative measure to ensure depletions calculations were being made as accurately as possible with known data. On November 30, 2020 the revised depletion schedule was approved by the State Engineer. As of December 1, 2020, Subdistrict No.1 operated under the revised schedule. See Table 1.7 below. The actual annual flow of the Conejos River through the index gage was 167,000 ac-ft, also included in Appendix H.

1.2 TOTAL GROUNDWATER WITHDRAWALS

Based on information obtained from the Division of Water Resources on February 22, 2021, the actual metered groundwater withdrawals from Subdistrict #1 Wells included in the 2020 ARP was 244,520 ac-ft for Irrigation Year 2020. Projected groundwater withdrawals for 2020, as contained in the 2020 ARP, was 230,000 ac-ft. Staff did rerun the Response Function on November 13, 2020 and increased the estimated pumping to 250,000 ac-ft. to anticipate and mitigate any potential increase in depletions. All Subdistrict #1 metered groundwater withdrawals in 2020 was used for irrigation with the vast majority through center pivot sprinklers and only a small amount applied to flood irrigation.

1.3 ANNUAL RECHARGE CREDIT

Recharge credit is available to four canals/ditches that divert from the Rio Grande into Subdistrict #1 in accordance with their respective decrees. This recharge credit is used as an offset to groundwater consumption in accordance with the respective decrees and the method used to calculate depletions. The canals/ditches and their decrees are listed in the following tabulation:

<u>Canal/Ditch</u>	<u>Decree</u>
Rio Grande Canal	Case No. W-3979
San Luis Valley Irrigation District	Case No. W-3980
Prairie Ditch	Case No. 96CW45
San Luis Valley Canal	Case No. 96CW46

The actual 2020 annual calculated recharge credits for these four canals/ditches within Subdistrict #1 were prepared using end of irrigation year 2020 canal diversion records obtained from Division of Water Resources and information obtained directly from canal companies and irrigators. The actual recharge credit for each canal is adjusted through the following steps, which results in total consumable credit.

Information used in calculating total consumable credit for each canal/ditch was prepared using the entire irrigated service areas of each canal/ditch. Then the totals were reduced based on the best estimated percentages of total pro rata ditch shares located within the Subdistrict # 1 boundary provided by each ditch company. The following percentages were used:

- Rio Grande Canal = 92.38%
- San Luis Valley Irrigation District = 100%
- Prairie Ditch = 99.20%
- San Luis Valley Canal = 78.82%

Further, it was necessary to reduce the totals by the actual consumptive use attributable to surface water used directly through sprinklers and for flood irrigation. This data was obtained from irrigators during 2020 and is listed below:

- 1) Rio Grande Canal: Surface water through sprinklers = 3,702 ac-ft and surface water applied to flood irrigation = 184.9 ac-ft.
- 2) San Luis Valley Irrigation District: Surface water through sprinklers = 0 ac- ft and surface water applied to flood irrigation = 0 ac-ft.
- 3) Prairie Ditch: Surface water through sprinklers = 183.47 ac-ft and surface water applied to flood irrigation = 0 ac-ft.
- 4) San Luis Valley Canal: Surface water through sprinklers = 81.73 ac-ft. and surface water applied to flood irrigation = 0 ac-ft.

Using the total consumable water derived from each of the four canals/ditches in accordance with the procedure described in the Court’s ruling in Case Numbers 06CV64 & 07CW52 and reducing those totals using the above information and the approved estimated consumption for sprinkler (83%) and flood irrigation (60%), the following tabulation shows the actual resulting total of individual canal/ditch consumable credits and the total for all of the systems.

Table 1.1
Calculated Recharge Decree Credits for Subdistrict #1 During 2020 Prepared
February 25, 2021
 (All units in ac-ft)

	Rio Grande Canal	San Luis Valley I.D.	Prairie Ditch	SLV Canal	Totals
Total Consumable	67,137.10	10,229.78	6,080.00	7,021.64	90,468.52
% Within Subdistrict #1	92.38%	100%	99.20%	78.82%	
Total Consumable Within Subdistrict #1	62,021.26	10,229.78	6,031.36	5,534.46	83,816.85
Surface Water Through Sprinklers @83%	-3,072.73	0.00	-152.28	-67.84	-3,292.85
Surface Water Used for Flood @60%	-110.94	0	0	0	-110.94
Totals	58,837.59	10,229.78	5,879.08	5,466.62	80,413.06

Therefore, the calculated consumable credit under the four recharge decrees for 2020 is 80,413.06 ac-ft.

1.4 CLASSIFICATION AS “WET,” “AVERAGE,” OR “DRY” YEAR

Response Functions generated from the RGDSS Groundwater Model Phase 6P98 were used in determining stream depletions as described in this section based on three types of weather conditions during the ARP year. These conditions are “Wet,” “Average,” or “Dry.” A year is classified as being “Wet,” “Average,” or “Dry” based on the amount of Net Groundwater Consumptive Use for Subdistrict wells using the following criteria⁽¹⁾:

Table 1.2
Definition of “Wet,” “Average,” or “Dry” Year

Year Type	Net Groundwater Consumptive Use (ac-ft/yr)
Wet	Less than 10,000
Average	Between 10,000 and 180,000
Dry	Greater than 180,000

Reference: Updated information obtained March 20, 2012 from James R. Heath, P.E., Division of Water Resources Lead Modeler.

The Net Groundwater Consumptive Use for the 2020 ARP year was 123,905 ac-ft as shown in Table 1.3. Referencing the ranges in Table 1.2, the 2020 ARP year is classified as a “Average” year.

1.5 2020 STREAM DEPLETIONS

Stream depletions attributable to the groundwater withdrawals from Subdistrict #1 Wells have been calculated using the Response Function spreadsheet produced by the RGDSS Groundwater Model Phase 6P98 (RGDSS Model) as operated by DWR. The first step in calculating depletions is to update Table 1.3 to derive annual Net Groundwater Consumptive Use. For reference, values for previous years 2011- 2019 are included in the table along with the values for 2020. Notes are included at the bottom of the table to provide a description of the calculations. For 2020, the values in columns 5 through 9 are obtained from Table 1.1, above.

The Net Groundwater Consumption Use data for 2020 is applied to the Response Function spreadsheet contained in Table 1.4 to calculate stream depletions for the 2020 Plan Year and lagged depletions into the future.

The Net Groundwater Consumptive Use derived in Table 1.3 is input into Column 3 of Table 1.4 for year 2020. The annual stream depletions resulting from Subdistrict #1 groundwater withdrawals for the respective reaches of the Rio Grande and the total are shown in columns 4 through 7 of Table 1.4.

Table 1.5 is an output from the Response Function spreadsheet that divides the annual total depletions into monthly replacement obligations for the three impacted reaches of the Rio Grande. This table lists the 2020 Plan Year stream depletions as required under the Plan and Decree.

Table 1.3
Estimated Net Groundwater Consumptive Use
 (Units in ac-ft)

Year	Subdistrict #1 Total				Recharge that Offsets Groundwater Withdrawals					Net Groundwater Consumptive Use
	Irrigation Pumping to Center Pivots	Irrigation Pumping to Flood Irrigation	Other Pumping	Groundwater Consumption	Rio Grande Canal	San Luis Valley Irrigation District	Prairie Ditch	San Luis Valley Canal	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
2011	325,567	0	2,559	272,478	83,801	9,981	8,325	8,204	110,310	162,162
2012	260,538	0	2,498	218,445	54,870	6,748	4,795	3,620	70,034	148,407
2013	230,091	0	2,426	193,111	84,919	5,477	4,227	4,782	99,404	93,707
2014	238,253	0	1,482	199,054	110,566	28,596	14,133	12,777	166,072	32,982
2015	206,378	0	1,757	172,840	122,980	34,685	15,139	15,608	188,412	-15,572
2016	237,025	0	1,570	198,113	125,562	32,064	12,873	14,396	184,894	13,219
2017	236,720	0	2,019	198,255	138,112	31,813	15,292	16,043	201,260	-3,005
2018	263,132	0	2,250	220,379	42,895	2,136	1,924	2,140	49,096	171,283
2019	213,920	0	1,625	178,984	132,121	45,852	22,196	22,619	222,788	-43,804
2020	244,520	0	1,552	204,318	58,838	10,230	5,879	5,467	80,413	123,905
Avg	245,614	0	1,975	205,598	95,466	20,758	10,478	10,566	137,268	68,329

Explanation of Columns

- (1) Calendar Year
- (2) Determined from metered groundwater withdrawals
- (3) Determined from metered groundwater withdrawals
- (4) Determined from metered groundwater withdrawals
- (5) Calculated as $0.83 \times \text{Col}2 + 0.60 \times \text{Col}3 + \text{Col}4 \times \text{Other Consumptive Use Ratio}$ depending on the year (Col5 of Net CU Worksheet) (0.83 and 0.60 are the consumptive use ratios of total pumping associated with sprinkler and flood irrigation practices, respectively)
- (6) - To be determined by analysis of historic diversions and recharge decrees
- (9) Calculated as $\text{Col}6 + \text{Col}7 + \text{Col}8 + \text{Col}9$
- (10) Calculated as $\text{Col}5 - \text{Col}10$

Note: Table 2.4 – Column for "Other Pumping" was added as Column (4) and an explanation was added to the Column reference numbers, equations, and the descriptions were also adjusted accordingly

Table 1.4
Estimated Historical and Projected Net Stream Depletions from Groundwater
Withdrawals in Subdistrict #1
 (Units in ac-ft)

Year	Rio Grande near Del Norte Stream Gage (Apr-Sep)	Net Groundwater Consumptive Use (Jan-Dec)	Annual Net Stream Depletions (May-Apr) ^{a)}			Total	
			Rio Grande Del Norte- Excelsior	Rio Grande Excelsior- Chicago	Rio Grande Chicago-State Line		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1970	561,150	101,275	225	341	-116		450
1971	389,397	135,541	420	714	-169		965
1972	373,031	169,393	619	1,069	-223		1,465
1973	755,509	38,851	479	878	-91		1,266
1974	270,942	220,567	2,366	1,325	-285		3,406
1975	730,848	23,753	2,294	1,028	-137		3,185
1976	512,997	65,760	2,016	938	-164		2,790
1977	163,635	240,127	3,825	1,513	-347		4,991
1978	340,660	155,492	3,828	1,627	-328		5,127
1979	886,617	11,835	3,093	1,222	-153		4,162
1980	672,668	63,873	2,726	1,100	-189		3,637
1981	310,945	170,010	2,681	1,423	-300		3,804
1982	572,474	36,314	2,286	1,211	-156		3,341
1983	578,510	32,273	2,031	994	-138		2,887
1984	652,637	40,219	1,869	902	-137		2,634
1985	864,564	2,568	1,648	717	-87		2,278
1986	865,371	-37,341	-90	669	16		595
1987	907,650	109,992	43	858	-115		786
1988	346,087	177,158	593	1,246	-226		1,613
1989	407,389	169,478	883	1,485	-243		2,125
1990	424,033	88,971	886	1,371	-166		2,091
1991	529,567	46,509	826	1,117	-117		1,826
1992	415,482	67,128	861	1,040	-136		1,765
1993	577,831	-21,380	-193	847	-6		648
1994	444,629	100,660	-115	924	-117		692
1995	734,492	-68,610	-2,899	893	140		-1,866
1996	313,441	205,238	-960	1,265	-111		194
1997	781,596	-1,949	-462	906	9		453
1998	466,821	112,457	-70	1,003	-122		811
1999	799,489	-50,972	-2,204	916	110		-1,178
2000	312,094	213,180	-208	1,325	-142		975
2001	655,233	65,822	415	1,184	-91		1,508
2002	96,717	322,490	3,276	1,932	-378		4,830
2003	261,300	234,308	5,234	2,191	-388		7,037
2004	431,675	126,966	4,837	1,967	-322		6,482
2005	682,540	70,356	4,059	1,661	-234		5,486
2006	411,656	119,657	3,660	1,626	-273		5,013
2007	593,239	23,116	3,064	1,311	-155		4,220

2008	623,333	49,201	2,700	1,148	-166	3,682
2009	513,058	-4,448	2,119	911	-90	2,940
2010	453,063	76,286	2,013	968	-166	2,815
2011	415,182	162,251	2,118	1,317	-267	3,168
2012	328,382	148,407	2,106	1,516	-264	3,358
2013	344,435	93,707	1,989	1,419	-208	3,200
2014	518,599	32,982	1,799	1,147	-137	2,809
2015	555,700	15,572	1,008	896	-54	1,850
2016	565,800	13,219	795	727	-59	1,463
2017	573,900	-3,005	701	567	-39	1,229
2018	213,100	171,283	1,093	1,027	-234	1,886
2019	855,000	-43,804	-883	904	43	64
2020	307,800	123,905	-775	976	-103	98
2021			-561	713	2	154
2022			-553	495	3	-55
2023			-500	377	4	-119
2024			-385	302	3	-80
2025			-303	248	2	-53
2026			-249	206	1	-42
2027			-200	163	1	-36
2028			-162	122	1	-39
2029			-127	91	1	-35
2030			-124	71	3	-50
2031			-135	60	4	-71
2032			-143	52	4	-87
2033			-139	45	4	-90
2034			-116	31	4	-81
2035			-75	16	3	-56
2036			-65	9	2	-54
2037			-62	0	3	-59
2038			-51	0	2	-49
2039			20	0	0	20
2040			0	0	0	0
Avg 2001-2020	469,986	88,352	2,066	1,270	-179	3,157
Avg 2001-2010	472,181	108,375	3,138	1,490	-226	4,401
Post Plan Depletion			-3,930	3,002	47	-882

a) Estimated net stream depletions shown in this table are greater than the stream depletions that potentially cause injury to surface water rights.

Explanation of Columns

- (1) Year
- (2) Rio Grande near Del Norte Gage streamflow in ac-ft for the NRCS streamflow forecast period of April through September. The streamflow value for 2020 is from the January 12, 2021 Rio Grande Compact Ten Day Report
- (3) Net Groundwater Consumptive Use (NetGWCU) for January through December. NetGWCU values

for 2001 through 2010 were taken from the RGDSS Groundwater Model output. NetGWCU values for 2012 through 2020 were calculated using well meter data, diversion data, and irrigated acreage information

- (4) Net Stream Depletions in the Rio Grande Del Norte to Excelsior Ditch reach for the plan year (May through April) in ac-ft
- (5) Net Stream Depletions in the Rio Grande Excelsior Ditch to Chicago Ditch reach for the plan year (May through April) in ac-ft
- (6) Net Stream Depletions in the Rio Grande Chicago Ditch to the State Line reach for the plan year (May through April) in ac-ft
- (7) Total Net Stream Depletions columns (4+5+6) in ac-ft

Table 1.5
Subdistrict #1 Monthly Net Stream Depletions for Plan Year
Calculated February 25, 2021
 (Units in ac-ft)

Stream Reach	Subdistrict #1 Total												Total
	2020								2021				
	May	June	July	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Rio Grande Del Norte-Excelsior	-112	-102	-77	-58	-53	-57	-58	-58	-50	-45	-57	-49	-776
Rio Grande Excelsior-Chicago	78	68	42	49	47	64	103	107	107	101	114	95	975
Rio Grande Chicago-State Line	6	8	-29	-17	-6	-20	0	4	-3	-9	-14	-21	-101
Total	-30	-26	-64	-26	-12	-13	45	53	54	47	43	25	98

As indicated in lower right-hand corner of Table 1.5, the calculated total depletions that will impact the Rio Grande during the 2020 ARP year, due to both past groundwater withdrawals and the 2020 groundwater withdrawals, using the RGDSS Groundwater Model Phase 6P98 Response Function is **98** ac-ft. The locations of the depletions and monthly quantities are also tabulated in Table 1.5.

If wells that were groundwater withdrawals in 2020 were shut off today, there would be a continuing impact to the river for approximately 19 years according to the RGDSS Groundwater Model Phase 6P98. This is the calculated time required to recover to conditions that existed before well groundwater withdrawals started. The volume of water required to replace depletions during this recovery period is called Post-Plan Stream Depletions. Table 1.6 shows that the total post-plan stream depletions are calculated to be -882 ac-ft. The portion of the total depletions impacting each of the three designated reaches of the river is also included in Table 1.6.

Table 1.6
Subdistrict #1 Post-Plan Stream Depletions
 (Units in ac-ft)

Years (May-Apr)	Rio Grande Del Norte-Excelsior	Rio Grande Excelsior-Chicago	Rio Grande Chicago-State Line	Total
2021-2040	-3,930	3,001	47	-882

Table 1.7 lists both the April 2020 projected obligations and the February 2021 final calculated obligations to compare projected versus actual calculated depletions for the 2020 ARP Year.

Table 1.7
Subdistrict # 1 Monthly Stream Replacement Obligation for 2020 ARP year
 (Units in ac-ft)

Month	Reach #1			Reach # 2			Reach # 3			TOTALS								
	4/2019 Projection	2/2020 Calculation	4/2019 Projection	11/2020 Revised Projection	2/2021 Calculation	4/2019 Projection	2/2020 Calculation	4/2020 Projection	11/2020 Revised Projection	2/2021 Calculation	4/2019 Projection	2/2020 Calculation	4/2020 Projection	11/2020 Revised Projection	2/2021 Calculation	Projected Totals	Revised Projections	Calculated Totals
2020-Mar	47	-144				74	84				-13	-10				108		-70
2020-Apr	55	-130				62	73				-21	-12				96		-69
2020-May			-114	-111	-112			77	79	78			7	6	6	-30	-26	-28
2020-Jun			-110	-100	-102			65	69	68			14	6	8	-31	-25	-26
2020-Jul			-93	-74	-77			43	41	42			-17	-32	-29	-67	65	-64
2020-Aug			-77	-54	-58			47	49	49			1	-21	-17	-29	-26	-26
2020-Sep			-70	-49	-53			44	48	47			2	-8	-6	-24	-9	-12
2020-Oct			-71	-53	-57			51	67	64			-5	-23	-20	-25	-9	-13
2020-Nov			-71	-55	-58			66	111	103			2	-1	0	-3	55	45
2020-Dec			-69	-55	-58			73	114	107			4	4	4	8	63	53
2021-Jan			-61	-47	-50			75	114	107			-2	-4	-3	12	63	54
2021-Feb			-54	-42	-45			72	108	101			-7	-10	-9	11	56	47
2021-Mar			-66	-55	-57			82	121	114			-12	-14	-14	4	52	43
2021-Apr			-57	-46	-49			70	100	95			-17	-22	-21	-4	32	25
Total 2019 Projected		-274					157					-22				204		
Total 2019 Calculated																		-139
Total 2020 Projected			-913					765					-30			-178		
Total 11-2020 Revised Projected				-741					1,021					-119			161	
Total 2021 Calculated					-776					975					-101			98

* Total depletions entered in Table 1.7 have been rounded off to the nearest whole number.

The April 13, 2020 calculations used for the 2020 ARP Year Projections were based on the then best estimates of both stream flow and groundwater withdrawals. DWR’s end-of-year meter and diversion records for 2020 groundwater withdrawals for Subdistrict Wells and surface water diversions into the Closed Basin under the Recharge Decrees resulted in an actual net-groundwater withdrawal significantly less than the calculations used for the 2020 ARP. Application of the actual net-groundwater withdrawals shows that, as of the date of this report, Subdistrict #1 has supplied **63** ac-ft more than the actual calculated injurious depletions by the approved Response Functions. Subdistrict #1 expects that CDWR will work with Subdistrict #1 to address this over-replacement to assure that, while all injurious depletions within Colorado are remedied, Subdistrict Wells replace or otherwise remedy depletions only in the minimum amount necessary to avoid injury to senior surface water rights and that any over-replacements will not accrue to the benefit of downstream States under the Rio Grande Compact and Colorado will continue to beneficially consume all of the water it is entitled to under the Compact.

2.0 TOTAL DIVERSION BY DITCHES

Table 2.1 shows the ditch service areas that have diversions in Subdistrict #1. The diversions shown are total irrigation water for the ditch for the 2020 irrigation year, but only a portion is delivered within Subdistrict #1.

Table 2.1
Ditch Service Areas with Diversions in Subdistrict #1
Total Ditch Diversions for the 2020 Irrigation Year

WDID	DITCH NAME	Diversions in ac-ft	Subdistrict Year
2000546	BILLINGS D	3,530.38	2020
2000556	BUTLER IRR D	1,315.44	2020
2000627	EXCELSIOR D	20,394.00	2020
2000631	FARMERS UNION CNL	13,879.00	2020
2000699	KANE CALLAN D	2,197.50	2020
2000736	MCDONALD D	5,890.80	2020
2000798	PRAIRIE D	10,331.00	2020
2000812	RIO GRANDE CNL	83,094.00	2020
2000814	RIO GRANDE D 2	1,109.95	2020
2000829	SAN LUIS VALLEY CNL	8,611.00	2020
2700502	BIEDELL D NO 10	2,047.50	2020
2700503	BIEDELL D NO 2	0.00	2020
2700518	GREEN D NO 1	0.00	2020
2700522	HOME D NO 1	1,476.20	2020
2700523	JOHNNIE SMITH D NO 1	24.54	2020
2700533	MCLEOD D NO 3	0.00	2020
2700537	MOODY AND HEAD D	0.00	2020
2700538	OMNIBUS D	1,969.20	2020
2700543	ROCKY HILL SEPG OVFL D	0.00	2020
2700545	SHOWN D	61.10	2020
2700551	WHITE D	0.00	2020
2700553	WILSON D NO 4	0.00	2020
2700684	LA MAGOTE D NO 2	0.00	2020
2700714	MCLEOD D NO 4 & 5	0.00	2020

Notes: New Structure 2700714 replaced (2700534) McLeod No. 4 and (2700535) McLeod No. 5

3.0 TOTAL IRRIGATED ACRES

Each irrigation season, the RGWCD conducts a field survey of the irrigated acreage on the Valley floor to record crop types grown. Table 3.1 is the summary of “irrigated acres, cropping patterns and irrigation methods” on parcels that are part of 2020 Subdistrict #1 Farm Units. The data was derived from the irrigated agriculture field survey by spatially “capturing” any fields that lie within any of the landowner parcels that are part of the 2020 Subdistrict #1 Farm Units. Only those fields that had entries updated during the 2020 crop survey were used in this analysis. The crop information and acreage from the irrigated agriculture shapefile attribute tables was compiled and is shown in Table 3.1.

**Table 3.1
Cropping Patterns within Subdistrict #1 for 2020**

Crop Type	Total Acres	Sprinkler	LEPA	Flood
Alfalfa	27,160.90	26,956.97	-	203.94
Canola	1,965.31	1,965.31	-	-
Carrots	1,193.01	1,193.01	-	-
Corn	126.50	126.50	-	-
Grain	1,638.79	1,609.14	29.66	-
Lettuce	1,525.59	1,525.59	-	-
Oats	1,718.68	1,718.68	-	-
Potatoes	46,427.88	46,326.70	89.27	11.91
Sudan Grass Hay	3,022.68	3,022.68	-	-
Vegetables	805.61	805.61	-	-
Triticale Hay	346.31	346.31	-	-
Grass Hay/Pasture	5,849.67	2,707.43	31	3,111.63
Fallowed	8,060.56	7,419.08	-	641.48
Cover Crop	22,524.94	22,435.76	89.17	-
Barley	32,173.60	32,173.60	-	-
CREP	9,471.90	9,471.90	-	-
Quinoa	3,738.93	3,713.44	25.49	-
Hemp	2,811.55	2,811.55	-	-
Total	170,562.42	166,329.26	264.20	3,968.96

Information collected for 2020 Subdistrict #1 Farm Units included identification of the wells and surface rights allocated to the irrigated fields on the lands comprising each Farm Unit. A summary of the ditches and pro rata shares of surface water allocated to fields on Subdistrict #1 2020 Farm Units is included in Appendix B and represents the “surface water source” for Subdistrict #1.

The Plan timeline requires Subdistrict #1 to request well meter readings prior to the end of the irrigation season and, therefore, the meter readings were requested as of October 1, 2020. The diversion amounts for the Subdistrict #1 Wells is for the portion of the 2019 irrigation season through November 1, 2020. The groundwater withdrawals covered by augmentation plans during 2020 was not included in the total groundwater withdrawals used to calculate Recharge Credit in Section 4, below.

4.0 SURFACE WATER CREDIT

The amount of Surface Water Credit (SWC) exchanged both 2019 and 2020, between Farm Units and applied against the 2020 Variable Fees was 28,532.03 ac-ft.

At the time of submission of this AR, the estimated amount of 2019 carry-over SWC carried forward into 2020 that was not utilized and therefore extinguished by rule was 6,355.43 ac-ft. This number may change during the appeal process in 2021.

5.0 CLOSED BASIN PROJECT PRODUCTION-PROJECTED AND ACTUAL

According to accounting from the Bureau of Reclamation (BOR) Alamosa Field Division, Closed Basin Division, San Luis Valley Project, Colorado, the production of the CBP delivered to the Rio Grande was 6,498 ac-ft during the calendar year 2020. The 2020 ARP projected the production of the CBP to be 8,500.0 ac-ft.

6.0 AMOUNTS AND SOURCES OF REPLACEMENT WATER

The remaining amounts and sources of water available for the remainder of the 2020 ARP year and 2020 ARP is: ac-ft.

**Table 6.1
Remaining Balances of Replacement Water Acquired by
Subdistrict #1 for 2020**

Water Right(s) Name	Quantity (ac-ft)	Water Previously Controlled By:	Decree(s)	Current Location
Williams Creek Squaw Pass	122.7	Navajo Development	CA73, CA308, W-1869-78	Rio Grande Reservoir
Williams Creek Squaw Pass	56.49	San Luis Valley Irrigation District	CA73, CA308, W-1869-78	Rio Grande Reservoir
Tabor Ditch # 2, Tabor Ditch # 2 Enlargement	5.2	Colorado Parks and Wildlife	W-3549	Rio Grande Reservoir

Pine River Weminuche Pass	1,000.0	SLV Water Conservancy District	CA 1248-B, 84CW62, 94CW62	Rio Grande Reservoir
Treasure Pass Trans-basin Diversion	730.76	Evelyn Underwood and Patti Cook	CA 0308	Rio Grande Reservoir
Treasure Pass Trans-basin Diversion	100	Sid Klecker	CA 0308	Rio Grande Reservoir
Piedra River TM, Piedra Water Rights	500	Colorado Parks and Wildlife	W-3549	Rio Grande Reservoir
2012-1279.8 shares @ .944af/share	1,252.11	Santa Maria Reservoir Co.		Santa Maria & Continental Reservoirs
2013 – 3235.8 shares @ .72af/share	2,328.8	Santa Maria Reservoir Co.		Santa Maria & Continental Reservoirs
2014 – 3320.8 shares @ 1.288af/share	4,278.2	Santa Maria Reservoir Co.		Santa Maria & Continental Reservoirs
2015 - 3095.8 shares @ 1.86 af/share	5,568.2	Santa Maria Reservoir Co.		Santa Maria & Continental Reservoirs
DWR Credit for Overpayment in 2015	200	Santa Maria Reservoir Co.		Santa Maria & Continental Reservoirs
2016-1645.0 shares @ 0.968 af/share	1,592.36	Santa Maria Reservoir Co.		Santa Maria & Continental Reservoirs
2017-835 shares @ 1.084 af/share	905.14	Santa Maria Reservoir Co.		Santa Maria & Continental Reservoirs
2018-210 shares @ .618 af/share	129.17	Santa Maria Reservoir Co.		Santa Maria & Continental Reservoirs
2019 –180 shares @ 2.638 af/share	474.84	Santa Maria Reservoir Co.		Santa Maria & Continental Reservoirs
Total Transbasin and Santa Maria	17,597			
2020 Forbearance Agreements				
	Contract	Expected Yield		
Rio Grande Canal	2,000	500 acft		
San Luis Valley Canal	400	30		
Commonwealth	500	139		
Empire Canal	500	100		
Centennial Ditch	No ac-ft limit			
Excelsior Ditch	1,000	1.5		
Rio Grande Lariat Ditch	500	18		
Closed Basin Project Allocation as of March 1, 2020	273	273+788=1,061		Closed Basin Project
Total Water Available	17,597 + 1,061 = 18,658			

6.1 2020 Plan Year Forbearance Agreements

Pursuant to section 37-92-501(4)(b)(I)(B), C.R.S., Subdistrict #1 reached an agreement with the Centennial Ditch, Empire Canal, Excelsior Ditch, Lariat Ditch, Prairie Ditch, and San Luis Valley Canal whereby these canals accept that, subject to the specific provisions of the forbearance agreement, injury to its water rights resulting from the withdrawal of groundwater by Subdistrict #1 Wells can be remedied by means other than providing water to replace stream depletions when one of these canals are the calling right on the Rio Grande.

Based upon climate projections and historical diversion patterns, the agreements with these canals are predicted to result in a reduction of 1,200 to 1,800 ac-ft of the amount of water

Subdistrict #1 would otherwise have to supply to the Rio Grande-Del Norte to Excelsior Ditch headgate reach. During the 2020 Plan Year, the Board of Managers of Subdistrict #1 chose not to exercise any forbearance with any canal for projected well depletions from May 1st through November 1st due to abundant replacement water in storage located in the Rio Grande and Santa Maria Reservoir facilities. All projected well depletions on the Rio Grande from Subdistrict #1 wells during that time frame were remedied by replacement water releases to the Rio Grande from those facilities.

7.0 OPERATION OF THE SUBDISTRICT #1 WATER REPLACEMENT PLAN

Subdistrict #1 had no calculated stream reach depletions from May 2020 through October 2020. Winter time depletions starting in November through the remaining 2020 ARP year depletions will be replaced by Closed Basin Project releases to the river and water in storage.

The reaches, amounts and time that these depletions occurred are described in Appendix A. These releases of water were performed under the provisions contained in section 37-87-103, C.R.S.

The most current RGDSS Groundwater Model runs and Response Functions do not predict depletions in amounts above the minimum threshold established by the Water Court, Water Division No. 3 in Case Nos. 2006CV64 and 2007CW52 caused by the withdrawal of groundwater by Subdistrict #1 Wells to streams other than the Rio Grande. Therefore, Subdistrict #1 did not make replacements to any stream other than the Rio Grande.

7.1 DESCRIPTION OF MONTHLY OPERATIONS

JANUARY

Under the direction of the Division 3 Division Engineer and the District 20 Water Commissioner, Subdistrict No. 1 continued replacing projected stream reach depletions on the Rio Grande for the month of January on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2019 ARP. On January 1st, the Subdistrict's Replacement Water Plan resumed with Closed Basin Project (CBP) allocation releases to the Rio Grande replacing all three Subdistrict No.1 projected stream reach obligations. Bureau of Reclamation staff attempted to keep the release rate from the CBP canal into the Rio Grande to at least 3.54 ac-ft./day to meet the daily obligation for the Subdistrict and were successful in doing so for the entire month of January.

FEBRUARY

Under the direction of the Division 3 Division Engineer and the District 20 Water Commissioner, Subdistrict No. 1 continued replacing projected stream reach depletions on the Rio Grande for the month of February on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2019 ARP. On February 1st, the Subdistrict's Replacement Water Plan resumed with Closed Basin Project (CBP) allocation releases to the Rio Grande replacing Stream Reach 1 and 2. There were no positive Stream Reach 3 depletions identified in the response function in February, but rather accretions back to the river within this reach. It was projected there would be eight acre feet of return flow back to the river for the month of February 2020 thus reducing the monthly depletion obligation for Stream Reach 1 and 2 to the Stateline by eight acre feet. Bureau of Reclamation staff attempted to keep the release rate from the CBP canal into the Rio Grande to at least 3.66 ac-ft./day to meet the daily obligation for the Subdistrict and were successful in doing so for the entire month of February.

MARCH

Under the direction of the Division 3 Division Engineer and the District 20 Water Commissioner, Subdistrict No. 1 continued replacing projected stream reach depletions on the Rio Grande for the month of February on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2019 ARP. On March 1st, the Subdistrict's Replacement Water Plan resumed with Closed Basin Project (CBP) allocation releases to the Rio Grande replacing Stream Reach 1 and 2. There were no positive Stream Reach 3 depletions identified in the response function in March, but rather accretions back to the river within this reach. It was projected there would be thirteen acre feet of return flow back to the river for the month of March 2020 thus reducing the monthly depletion obligation for Stream Reach 1 and 2 to the Stateline by thirteen acre feet. Bureau of Reclamation staff attempted to keep the release rate from the CBP canal into the Rio Grande to at least 3.452 ac-ft./day to meet the daily obligation for the Subdistrict and were successful in doing so for the entire month of March.

APRIL

Under the direction of the Division 3 Division Engineer and the District 20 Water Commissioner, Subdistrict No. 1 continued replacing projected stream reach depletions on the Rio Grande for the month of March on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2020 ARP. On April 1st, the ditches on the Rio Grande began diverting water for the 2020 Irrigation Season. Subdistrict No. 1 requested from the State Engineer to aggregate any negative depletions in the reaches to offset any positive depletions, the request was approved on March 27, 2020. Table 1.5 from the Annual Report was used for April's stream reach depletions.

MAY

Under the direction of the Division 3 Division Engineer and the District 20 Water Commissioner, Subdistrict No. 1 continued replacing projected stream reach depletions on the Rio Grande for the month of May on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2020 ARP. The response function for May 2020 showed there were no depletions owed to the river. Subdistrict No. 1 requested from the State Engineer to aggregate any negative depletions in the reaches to offset any positive depletions, the request was approved on March 27, 2020. Table 1.5 from the Annual Report was used for May's stream reach depletions.

JUNE

Under the direction of the Division 3 Division Engineer and the District 20 Water Commissioner, Subdistrict No. 1 continued replacing projected stream reach depletions on the Rio Grande for the month of June on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2020 ARP. The response function for June 2020 showed there were no depletions owed to the river. Subdistrict No. 1 requested from the State Engineer to aggregate any negative depletions in the reaches to offset any positive depletions, the request was approved on March 27, 2020. Table 1.5 from the Annual Report was used for June's stream reach depletions.

JULY

Under the direction of the Division 3 Division Engineer and the District 20 Water Commissioner, Subdistrict No. 1 continued replacing projected stream reach depletions on the Rio Grande for the month of July on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2020 ARP. The response function for July 2020 showed there were no depletions owed to the river. Subdistrict No. 1 requested from the State Engineer to aggregate any negative depletions in the reaches to offset any positive depletions, the request was approved on March 27, 2020. Table 1.5 from the Annual Report was used for July's stream reach depletions.

AUGUST

Under the direction of the Division 3 Division Engineer and the District 20 Water Commissioner, Subdistrict No. 1 continued replacing projected stream reach depletions on the Rio Grande for the month of August on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2020 ARP. The response function for August 2020 showed there were no depletions owed to the river. Subdistrict No. 1 requested from the State Engineer to aggregate any negative depletions in the reaches to offset any positive depletions, the request was approved on March 27, 2020. Table 1.5 from the Annual Report was used for August stream reach depletions.

SEPTEMBER

Under the direction of the Division 3 Division Engineer and the District 20 Water Commissioner, Subdistrict No. 1 continued replacing projected stream reach depletions on the Rio Grande for the month of August on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2020 ARP. The response function for September 2020 showed there were no depletions owed to the river. Subdistrict No. 1 requested from the State Engineer to aggregate any negative depletions in the reaches to offset any positive depletions, the request was approved on March 27, 2020. Table 1.5 from the Annual Report was used for September stream reach depletions.

OCTOBER

Under the direction of the Division 3 Division Engineer and the District 20 Water Commissioner, Subdistrict No. 1 continued replacing projected stream reach depletions on the Rio Grande for the month of October on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2020 ARP. The response function for October 2020 showed there were no depletions owed to the river. Subdistrict No. 1 requested from the State Engineer to aggregate any negative depletions in the reaches to offset any

positive depletions, the request was approved on March 27, 2020. Table 1.5 from the Annual Report was used for October stream reach depletions.

NOVEMBER

Subdistrict No. 1 submitted an updated Table 2.6 recalculating the stream reach depletion with updated groundwater withdrawals, canal diversion and river amounts. The updated figures were entered into the Response Function and produced new monthly depletion amounts. Subdistrict No.1 submitted the updated table to the Division and State engineer and it was approved on November 30, 2020. For the month of November, stream reach depletions were being remedied on a daily basis pursuant to the amounts presented in the approved Subdistrict's Revised Table 2.6. Subdistrict No. 1 Replacement Water Plan began with a release from the approved (CBP) allocation on October 31st from the approved CBP replacement water pool in the amount of 1.83 ac-ft. / day to begin replacing injurious depletion obligations in Stream Reach 1, 2 and 3 of the Rio Grande for the month of November.

DECEMBER

Under the direction of the Division 3 Division Engineer and the District 20 Water Commissioner, Subdistrict No. 1 continued replacing projected stream reach depletions on the Rio Grande for the month of December on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2020 ARP. On December 1st, the Subdistrict's Replacement Water Plan resumed with (CBP) allocation releases to the Rio Grande replacing all three Subdistrict No.1 projected stream reach obligations. Bureau of Reclamation staff attempted to keep the release rate from the CBP canal into the Rio Grande to at least 2.03 ac-ft./day to meet the daily obligation for the Subdistrict and were successful in doing so for the entire month of December.

JANUARY

Under the direction of the Division 3 Division Engineer and the District 20 Water Commissioner, Subdistrict No. 1 continued replacing projected stream reach depletions on the Rio Grande for the month of December on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2020 ARP. On December 1st, the Subdistrict's Replacement Water Plan resumed with Closed Basin Project (CBP) allocation releases to the Rio Grande replacing all three Subdistrict No.1 projected stream reach obligations. Bureau of Reclamation staff attempted to keep the release rate from the CBP canal into the Rio Grande to at least 1.808 ac-ft./day to meet the daily obligation for the Subdistrict and were successful in doing so for the entire month of December.

Remaining 2020 ARP Year

Because of the timing of this report, Subdistrict #1 will continue the same protocol to replace stream reach depletions for all three stream reaches of the Rio Grande on a monthly basis with CBP allocation for the months of February and March of 2020 or until the start of the next irrigation season. Subdistrict #1 will follow the direction of the Division 3 Division Engineer when the irrigation season begins for replacing stream reach depletions on the Rio Grande with trans-mountain reservoir releases and CBP allocation that Subdistrict #1 is in control of for the remaining period of the 2020 ARP year through April 30, 2021.

Table 7.1 illustrates the replacement water accounting for Subdistrict #1 during the 2020 ARP year on a monthly basis.

Table 7.1
Subdistrict #1 Monthly Stream Replacement Obligation for the 2020 ARP Year with
Replacement Source to Fulfill Obligation. (Units in ac ft)

Stream Reach Obligation	March 2020	April 2020	May 2020	June 2020	July 2020	August 2020	September 2020	October 2020	November 2020	December 2020	January 2021	February 2021	March 2021	April 2021
SR-1	73	83	-111	-100	-74	-54	-49	-53	-55	-55	-47	-42	-59	-51
SR-2	133	107	79	69	41	49	48	67	111	114	114	108	114	95
SR-3	-16	-28	6	6	-32	-21	-8	-23	-1	4	-4	-10	-14	-21
Total Replacement	190	162	-26	-25	-65	-26	-9	-9	55	63	63	56	41	23
SR-1 RGR TM Water			-111	-100	-74	-54	-49	-53						
Forbearance Compact Subst. SMRC Water														
CBP Allocation	73	83							-55	-55	-47	-42	-59	-51
SR-2 RGR TM Water			79	69	41	49	48	67						
Forbearance Compact Subst. SMRC Water														
CBP Allocation	133	107							111	114	114	108	114	95
SR-3 RGR TM Water			6	6	-32	-21	-8	-23						
SMRC Water														
CBP Allocation	-16	-28							-1	4	-4	-10	-14	-21
Creditable CBP Production at Rio Grande	446	798	857	793	452	21	99	80	265	480				

Explanation of Abbreviations:

- *RGR TM Water: Rio Grande Reservoir Pool Trans-mountain Water
- *Forbearance: No Forbearance with any of the 9 Ditches in agreement with Subdistrict #1 for the 2019 Plan Year
- *SMRC Water: Subdistrict #1 Santa Maria Reservoir Company (SMRC) Reservoir Water
- *Compact Subst.: Subdistrict #1 SMRC Reservoir Water Exchange with Rio Grande Compact Storage
- *CBP Allocation: Closed Basin Project Allocation for Subdistrict #1

Notes:

March and April stream depletions have not yet been delivered but are calculated by the response function using final 2020 CDWR data.

Summary

Pursuant to the 2020 ARP for Subdistrict #1 of the RGWCD and by the direction of the SEO, Subdistrict #1 has met and will continue to meet the requirements for replacing injurious depletions to the Rio Grande attributable to groundwater withdrawals by Subdistrict #1 Wells for the 2020 ARP

year. The projected depletions on the Rio Grande for all three stream reaches in the 2020 ARP for Subdistrict #1 approved by the SEO for the 2020 Plan Year was 161 ac- ft. The actual amount of depletions for all three stream reaches on the Rio Grande is 73 ac-ft.

Subdistrict #1 will have over paid 88 acft in replacement water for actual stream depletions on the Rio Grande during the 2020 Plan Year.

Beginning May 1, 2020, Subdistrict #1 has met stream depletion obligations for all 3 stream reaches of the Rio Grande with replacement water releases from Rio Grande Reservoir and the Closed Basin Project on a daily basis. As documented with supporting data from the Colorado

Division of Water Resources Division 3 Office, Subdistrict #1 staff did not identify any day during the term of the 2020 ARP year that the daily and monthly stream depletion obligation for any of the stream reaches was not met.

8.0 CENTENNIAL DITCH COMPANY AGREEMENT

After the last three years of operation, Subdistrict #1 did not feel it necessary to continue the Centennial Ditch Agreement to carry replacement water to calling water rights below the Excelsior Ditch diversion dam during the 2020 Plan Year. Even with below average river flows experienced on the Rio Grande the last 5 years, the river below the Excelsior Ditch diversion dam has been a live stream servicing calling water rights in Stream Reaches 2 and 3. Subdistrict #1 will monitor the lower stream reaches in the future and reinstate this agreement if necessary.

9.0 FALLOWING OF SUBDISTRICT #1 LANDS - TEMPORARY AND PERMANENT

9.1 Conservation Reserve Enhancement Program

Subdistrict #1 continued to sign up contractors into the Conservation Reserve Enhancement Program (CREP) in an attempt to fallow up to 40,000 acres of previously irrigated lands on a long-term or permanent basis during the 2020 Plan Year. Sign-up into CREP in Subdistrict #1 is ongoing now with the approval of the new Farm Bill in 2018. As of the time of this report, Subdistrict #1 has a total of 77 CREP contracts that include 9,528 acres and 172 irrigation wells that have approximately 19,056 ac ft of recent groundwater withdrawals annually in Subdistrict #1. Of the total acres enrolled, 3,729 acres are enrolled into a permanent CREP contract term while 5,798 acres are enrolled into a temporary CREP contract term. The USDA FSA found all but one existing 2014 thru 2018 fiscal year CREP contracts in Subdistrict #1 to be in cropping and water use compliance at the end of the 2020 fiscal year, September 30, 2020, and all were paid their annual rental payments as well as any additional incentives provided by the Subdistrict. The one CREP contract that was not in compliance has been revoked both at the FSA level and with RGWCD Subdistrict #1. The Subdistrict's incentive and annual payments alone were approximately \$2,500,000. A map of the locations of these CREP parcels is included in Appendix F.

Subdistrict #1 established a Four-Year Fallow program in 2018. A total of 4,166 acres were fallowed with the requirement that zero water will be applied to the field in 2020. Over the term of the contract the producer is able to rotate which field is set out of production, allowing a different parcel to be

dormant each year if the producer chooses. This ultimately will help with overall soil health, flexibility for the producer and other benefits such as allowing grazing on field to control weeds. The amount of water saved from the fallowing of these fields is approximately 8,332 ac-ft of water.

In an effort to reduce additional groundwater pumping, new programs were implemented for 2020. Half Usage, Abandon Crop and Deficit Irrigation. The Half Usage program had 3,903 acres enrolled which required individuals to use half the water amount based on their five-year average. Abandon Crop required no irrigation after June 10 =2,075 acres. Alfalfa Deficient, required no irrigation between June 15-July20 = 697acres.Total acres enrolled in these three new conservation programs were=6,675 acres.

9.2 Permanent Land Purchases

Subdistrict #1 is still actively pursuing opportunities to acquire water rights. In 2017 the District on behalf of the Subdistrict purchased the West Medano Ranch. The Ranch consists of approximately 7,996 acres with 1,000 shares of the San Luis Valley Canal, 7 quarters of the San Luis Valley Irrigation District, three irrigation groundwater wells and several small stock water wells.

Based on total head-gate diversions for the Rio Grande Canal, SLV Canal and Farmers Union during the irrigation season the Subdistrict with their 2,019.5 shares of surface water diverted approximately 2,868 ac-ft towards recharge to the unconfined aquifer on the White, McConnell, Lacy and West Medano Ranch properties during the irrigation season. Subdistrict #1 did not use the wells located on these parcels for any purpose in 2020. The RGWCD staff will continue experimenting with different aquifer recharge strategies within CDWR regulation on these properties to increase surface water recharge efficiencies. A map identifying the locations of the permanent land purchases acquired by the RGWCD for Subdistrict #1 is included in Appendix G.

10.0 PLANS FOR AUGMENTATION

The Subdistrict #1 Well list includes some wells that are involved in a decreed plan for augmentation (Augmentation Plan Wells). The plans for augmentation vary in their conditions, but they coordinate surface rights and other wells in administration of their respective plan. They are included in the list for fee determination, and if any pre-existing groundwater right portion of their groundwater withdrawals are not covered by their plans, such groundwater withdrawals are subject to Subdistrict #1 fees and Subdistrict #1 will, and in fact did, replace injurious depletions due to these groundwater withdrawals. See Appendix I for the augmentation plan well list as classified for Subdistrict #1 purposes and a location map of the parcels involved in the plans listed below.

10.1 Description of Court Approved Plans for Augmentation

Case No. 81CW69, Application of Alan and Dorothy Beard (related case 02CW65, In the Matter of the Application of John Slane)

The decrees in Cases No. 81CW69 and 02CW65 are actually changes of water rights, not plans for augmentation. The wells operated pursuant thereto have been classified as Augmentation Plan Wells by Subdistrict #1 for accounting purposes with the Division 3 Engineer.

The decree in Case No. 81CW69 specifically found that the Applicants sought to change their method of

irrigation whereby the water diverted by the San Luis Valley Irrigation District and attributable to the Applicants' land that was historically directly applied by flood irrigation, may be first used to recharge the unconfined aquifer and then withdrawn by a well for the irrigation by center pivot sprinkler of crops in the NE¼ and the SE¼ of Section 19, T41N, R10E, N.M.P.M. The decree authorized the Applicants to construct two wells, Beard Irrigation Wells No. 2 and 3, into the unconfined aquifer to withdraw the water recharged for the irrigation of the described lands.

Because this decree is a change in method of irrigation, not a plan for augmentation, the wells are not Augmentation Plan Wells and may be properly included within the Amended Plan and the ARP. Because the wells' withdrawals are limited by the quantity of water recharged, there is no net depletion to the aquifer system and no resulting stream depletions the Amended Plan is required to replace.

The decree in Case No. 02CW65 changed the point of diversion of Well Permit # 9343-F, decreed as Well No. 2 in Case No. W-1505, WDID 2705546, to Beard Irrigation Well No. 3, Permit # 44595-F WDID 2905547 decreed in Case No. 81CW69. The total quantity of water changed is a long-term average of 32 ac-ft per year of historical consumptive use. The water right decreed to Well No. 2 in Case No. W-1505 is a decreed right to the use of groundwater, the injurious depletions from which are replaced pursuant to the Amended Plan and ARP. Because neither Case No. 81CW69 nor Case No. 02CW65 is a plan for augmentation, Beard Irrigation Wells No. 2 and 3 are Subdistrict Wells and the lands irrigated by these wells are Subdistrict Lands within the ambit of the Amended Plan.

<https://dnrweblink.state.co.us/dwr/DocView.aspx?id=1948738&page=1&cr=1>

Case No. 81CW72, Application of Ray and Sally Slane

Case No. 81CW72, like Case No. 81CW69, involved an Application for a change in the manner of application of irrigation water allocated to lands located within the San Luis Valley Canal service area from direct flood irrigation to recharge and subsequent irrigation by means of a center pivot sprinkler. The decree specifically finds that the application seeks a change of water rights to change the method of irrigation. Accordingly, this is not a plan for augmentation and the well authorized by this decree is not an Augmentation Plan Well. However, the Division Engineer and Subdistrict #1 consider it as such for accounting purposes.

The decree in Case No. 81CW72 authorized the construction of Slane Irrigation Well No. 3, Well Permit # 47246-F, WDID 2006662, to be located in the center of the NE¼ of Section 2, T40N, R10E, N.M.P.M. Withdrawals by that well, like the wells authorized under the decree in Case No. 81CW69, are limited by the amount of recharge credit accrued in accordance with the terms of the decree. Well WDID 2014257, Well Permit # 58972-F is an alternate point of diversion for Slane Irrigation Well No. 3 and is subject to the same limitations as Slane Irrigation Well No. 3 and is also a Subdistrict Well. Because these are not Augmentation Plan Wells, the lands irrigated by these wells are Subdistrict Lands within the ambit of the Amended Plan.

In 2019, the provisions of this case were not invoked and the owner instead elected to receive surface water credit which was used to offset groundwater withdrawals that occurred within the Subdistrict #1 Farm Unit. The owner received surface water credit for all 200.0 shares dedicated to the augmentation plan in the amount of 270 ac-ft to offset groundwater withdrawals that occurred within the Subdistrict #1 Farm Unit for 2019.

<https://dnrweblink.state.co.us/dwr/DocView.aspx?id=1949350&page=1>

Case No. 99CW09, Application of Off Ranches, Inc.

The application in this case sought an alternate point of diversion for Well #1, Case W-914, Permit #1970-R, WDID 2009876, and sought to increase the number of acres that could be irrigated by Well #1 and its alternate point of diversion. The original well, in combination with water available from Applicant's shares in the Rio Grande Canal Water Users' Association and the Santa Maria Reservoir Company, historically had been used to flood irrigate the SW $\frac{1}{4}$ of

Section 30, T40N, R7E, N.M.P.M. The decree granted the alternate point of diversion well and limited the combined annual withdrawal from the original well and the alternate point of diversion well WDID 2013756 to 132.2 ac-ft per year for irrigation of the SW $\frac{1}{4}$ of Section 30.

The plan for augmentation portion of the decree authorizes the withdrawal of additional water beyond 132.2 ac-ft through these two wells for purposes of irrigation on the SW $\frac{1}{4}$ of Section 30, based upon recharge of Applicant's surface water rights. The "augmentation credits" allowed under the decree are limited to the Applicant's historical consumptive use from its *first use* of Rio Grande Canal (as opposed to reuse and successive use recognized by the Rio Grande Canal's recharge decree) and Santa Maria Reservoir Company water for irrigation of this land. Because the diversion of 132.2 ac-ft by Wells #1 and #1A is considered in the decree to be the existing groundwater right of Well #1 and is not included in the plan for augmentation, the injurious depletions from that use are remedied pursuant to the Amended Plan. Accordingly, these wells are Subdistrict Wells and the irrigated lands are Subdistrict Lands.

In 2017, a Variable Fee was assessed to the first 132.2 ac-ft of groundwater withdrawals that was not covered by the plan for augmentation, and no Surface Water Credit was given for the surface water consumed under the plan for augmentation. These wells are also part of a larger Farm Unit and therefore must be included in the Amended Plan and ARP to correctly compute the Surface Water Credit available to offset the Variable Fee assessed against the Farm Unit.

<https://dnrweblink.state.co.us/dwr/DocView.aspx?id=358993&page=1>

Case No. 99CW25, Application of James Bradley

This case involved a change of water right to obtain an alternate point of diversion well and a plan for augmentation to increase the amount of water that could be withdrawn through both wells to irrigate the NW $\frac{1}{4}$ of Section 31, T40N, R7E, N.M.P.M. The wells involved are Well No. 2, Case No. W-1153, Permit # 727-R, WDID 2010235, and its alternate point of diversion, Well No. 2A, WDID 2013884. The decree limits the annual withdrawals from Wells No. 2 and 2A to 150 ac-ft annually under the existing groundwater right of Well No. 2. The decree allows these wells to withdraw no more than 150 ac-ft annually, or 510 ac-ft in any 10 consecutive years pursuant to the plan for augmentation.

The plan for augmentation portion of the decree authorizes the Applicant to recharge the water available to its shares in the Rio Grande Canal and Santa Maria Reservoir Company. The decree allows the applicant to increase the total annual withdrawals from the well for irrigation of the NW $\frac{1}{4}$ of Section 31 to the extent of the Allowable Pumping Credit calculated under the terms of the decree. The annual

groundwater withdrawals credit is based upon the historical irrigation consumptive use that resulted from the *first use* of the surface water.

Because Well Nos. 2 and 2A had an existing groundwater right limited to 150 ac-ft annually and not included in the plan for augmentation, the injurious stream depletions from that groundwater withdrawals are remedied pursuant to the Amended Plan. This means that Well No. 2 and 2A are Subdistrict Wells, and the irrigated land is Subdistrict Land within the ambit of the Amended Plan.

The unconsumed portion of any recharge of the surface water rights can be used as a surface water credit to offset the calculation of any Variable Fee assessed against groundwater withdrawals of up to 150 ac-ft under the existing groundwater right for Well Nos. 2 and 2A. Accordingly, Well Nos. 2 and 2A and their associated surface water right also must be included in the Amended Plan for purposes of correctly calculating the surface water credit and Variable Fees for the Farm Unit.

This augmentation plan is currently enrolled in a 4 Year fallow program, the well associated with this augmentation plan will not be used from 2020-2024.

<https://dnrweblink.state.co.us/dwr/DocView.aspx?id=359154&page=1>

Case No. 00CW19, Application of Roger and Julia Ensz

This plan for augmentation involves Well No. 2, Case No. W-2058, Permit #1843-R, WDID 2005728; Well No. 2-A, Case No. 82CW119, Permit # 21996-F, WDID 2005729; and Well No. 3, Case No. W-2058, Permit # 9503-F, WDID 2011878. Wells No. 2 and 3 were historically used for the irrigation of the SW $\frac{1}{4}$ of Section 8, T40N, R7E, N.M.P.M. The decree found that the Applicants' 25 shares in the Rio Grande Canal and 45 shares in the Santa Maria Reservoir Company historically had been used to irrigate up to 300 acres in the E $\frac{1}{2}$ of Section 7, T40N, R7E, N.M.P.M. The application sought to increase withdrawals through Wells No. 2 and 3 in order to use the wells to irrigate the E $\frac{1}{2}$ of Section 7. The decree authorized that use based on recharging of the water available from the Applicants' shares in the Rio Grande Canal and the Santa Maria Reservoir Company. The increased amount of water that can be withdrawn through the wells for irrigation in the E $\frac{1}{2}$ of Section 7 is based upon the quantity of water recharged as calculated by procedures set forth in the decree.

The decree states that it does not limit the use of the wells for the irrigation of the SW $\frac{1}{4}$ of Section 8, and authorizes the use of the wells for irrigation of the E $\frac{1}{2}$ of Section 7 under the plan for augmentation when augmentation credit is available. Wells No. 2 and 3 divert water under their own decreed groundwater rights for irrigation of the SW $\frac{1}{4}$ of Section 8, the injurious depletions from which are remedied pursuant to the Amended Plan. Accordingly, the wells are Subdistrict Wells and the SW $\frac{1}{4}$ of Section 8 is Subdistrict Land. The E $\frac{1}{2}$ of Section 7 is treated as Non-Benefitted Subdistrict Land and is assessed no Subdistrict fees. These wells also are part of a Farm Unit, and therefore it is necessary to include these wells in the Amended Plan and the ARP to correctly calculate surface water credits available to offset the Farm Unit's Variable Fees.

<https://dnrweblink.state.co.us/dwr/DocView.aspx?id=709008&page=1>

Case No. 00CW42, Application of James and Donna Cooley

This case was an application for a change of water rights and plan for augmentation. The

Applicants sought to use water from one share in the Prairie Ditch Company associated with the W $\frac{1}{2}$ SE $\frac{1}{4}$ of Section 8, T39N, R10E, N.M.P.M. for direct irrigation and/or as a source of augmentation for two existing irrigation wells. The two existing irrigation wells are Well #1, Case No. W-245, Permit #12178-R, WDID 2008692; and Permit # 57923-F, WDID 2014243. Those two wells were permitted only for use on the E $\frac{1}{2}$ SE $\frac{1}{4}$ of Section 8.

The plan for augmentation allows the wells to irrigate the W $\frac{1}{2}$ SE $\frac{1}{4}$ of Section 8 by pumping against credits accumulated from surface water recharge from one share in the Prairie Ditch. The decree contains the manner for quantification of the recharge credits and limits groundwater withdrawals by the wells for irrigation of the W $\frac{1}{2}$ SE $\frac{1}{4}$ of Section 8 to the amount of accumulated augmentation credit. Nothing in the decree limits the exercise of the decreed water rights for the wells for the irrigation of the E $\frac{1}{2}$ SE $\frac{1}{4}$ of Section 8.

The E $\frac{1}{2}$ SE $\frac{1}{4}$ of Section 8 is Subdistrict Land, and the use of these wells to irrigate that land makes them Subdistrict Wells. The injurious stream depletions from the irrigation of the E $\frac{1}{2}$ SE $\frac{1}{4}$ of Section 8 are remedied pursuant to the Amended Plan as implemented by the ARP. The W $\frac{1}{2}$ SW $\frac{1}{4}$ of Section 8 is treated as Non-Benefitted Subdistrict Land and is not assessed Subdistrict fees. In addition, the SE $\frac{1}{4}$ of section 8 is part of a larger Farm Unit, so it is necessary to include the entire SE $\frac{1}{4}$ in the Amended Plan and ARP for purposes of determining surface water credit available to offset the Farm Unit's Variable Fees.

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Case No. 07CW64, Application of JDS Farms, LLC and Allen Entz

This case involves Well No. 2, Case No. W-635 WDID 2009403, Permit #1534-F; Well No. 4, Case No. W-635 WDID 2009405, Registration #1297-R; and Well #1, Case No. W-485 WDID 2009165, Registration #19606-R. The decree finds that Wells No. 2 and 4 in Case No. W-635 were historically used in conjunction with one share of Prairie Ditch for the irrigation of the E $\frac{1}{2}$ SE $\frac{1}{4}$ of Section 7, T39N, R9E, N.M.P.M. Well #1, Case No. W-485 was historically used in conjunction with two shares of the Prairie Ditch for the irrigation of the W $\frac{1}{2}$ SE $\frac{1}{4}$ of Section 7. The plan for augmentation sought authorization for the three wells to irrigate the entire SE $\frac{1}{4}$ of Section 7 and to divert more groundwater than the historical use by these wells.

The decree quantifies the combined historical groundwater use of the three wells for irrigation under their own priorities as approximately 160 ac-ft. The decree authorizes groundwater withdrawals of more than 160 ac-ft based on surface water recharge to the unconfined aquifer and a calculation of a recharge credit pursuant to a formula set forth in the decree. The recharge credit is based on the historical consumptive use from the *first use* of the surface water.

These wells are Subdistrict Wells, and the SE $\frac{1}{4}$ of Section 7 irrigated by these wells is Subdistrict Land because the wells withdraw groundwater under their decreed water rights, the injurious depletions from which are remedied pursuant to the Amended Plan. The owners of these wells have not exercised their rights under the plan for augmentation, and therefore the wells have been treated solely as Subdistrict Wells. No Variable Fee will be assessed for groundwater withdrawals under the plan for augmentation, and no surface water credit will be given for surface water consumed by the plan for augmentation. Because these wells are part of

two separately owned Farm Units, it is also necessary to include the land and wells in the Amended Plan and the ARP for purposes of calculation of surface water credits available to offset the Farm Units' Variable Fees.

<https://dnrweblink.state.co.us/dwr/DocView.aspx?id=2082833&page=1>

Case No. 82CW17, Application of SRS Ranch, Inc.

This case involves an application for change of water rights and a plan for augmentation. The Applicant owned approximately 946 acres comprised of Section 23 and the S½ of Section 22 and the north portion of Section 27, T40N, R6E, N.M.P.M. The land was historically served with water from the Rio Grande Canal, the Midland Ditch, and irrigation Wells No. 2, 4, and 5, Case No. W-713. The application proposed to plug the three existing wells and to construct five replacement wells, one each in the center of the NE¼, NW¼, SE¼, and SW¼ of Section 23 and the center of the SE¼ of Section 22 all in T40N, R6E, N.M.P.M. At the time the application was filed, the Applicant used the three original wells to operate five center pivots irrigating all of Section 23, the S½ of Section 22, and a portion of Section 27 using both groundwater and surface water rights. The decree granted the proposed change of water rights allowing the construction of the five wells as replacement wells and new points of diversion for the water rights decreed to the original three wells on the ranch. The court approved the plan for augmentation conditioned upon the Applicant's continued ownership and recharge of the surface water available to its shares in the Rio Grande Canal and the Midland Ditch. All groundwater withdrawals from the 5 wells is to be fully augmented by the recharge of the surface water shares identified in the decreed plan of augmentation and should not create net depletions from their operations.

The replacement wells are Well #1R, Permit # 37045-F, WDID 2008188; Well No. 2R, Permit # 30339-F, WDID 2008189; Well No. 3R, Permit # 41845-F, WDID 2008190; Well # 4R, Permit # 37047-F, WDID 2008191; and Well No. 5R, Permit # 3032-F, WDID 2008192. These wells and the lands they irrigate are in three separate ownerships.

The quarter section served by Well #1R is separately owned and was treated as Non-Benefitted Subdistrict Land with no Subdistrict fees assessed in 2019. This quarter section is part of a larger Farm Unit.

Well No. 3R and the quarter section it irrigates are also separately owned and are included in a larger Farm Unit. In 2019 this land was treated as Non-Benefitted Subdistrict Land, and no Subdistrict fees were assessed on this land.

Well Nos. 2R, 4R, and 5R, and the lands irrigated thereby are separately owned. These wells and the lands irrigated are not part of a larger Farm Unit. This land is treated as Non-Benefitted Subdistrict Lands, and no Subdistrict fees are assessed on this land.

<https://dnrweblink.state.co.us/dwr/DocView.aspx?id=705848&page=1>

For the 2020 ARP Year, the Division Engineer approved the operation of these wells under the Subdistrict #1 ARP, with certain terms and conditions. During the 2020 ARP Year these wells operated solely under the Subdistrict #1 ARP and the decreed plan for augmentation was not operated. The Subdistrict accounted for all groundwater withdrawals from these wells and provided the appropriate remedy for injurious depletions in the

same manner as Subdistrict Wells.

Case No. 89CW45, Application of Monte Vista PCA

This case is a change of water rights and plan for augmentation that changed surface water rights in the Excelsior Ditch and the San Luis Valley Canal historically used, along with groundwater, to irrigate 140 acres in the SE¼ of Section 34, T39N, R9E, N.M.P.M. The application sought to use the surface water to recharge the unconfined aquifer and then withdraw that water and apply it by center pivot sprinkler to the historically irrigated land. The well historically used on this land is Well No. 5, Case No. W-1181, Permit # R13476-RF, WDID 2006555, located in the center of the SE¼ of Section 34. The decree authorizes the Applicant to divert additional groundwater through the supplemental well and to recharge to the aquifer an amount equal to the consumptive use of the water diverted by the supplemental well. The supplemental well was constructed pursuant to Well Permit # 38425-F, WDID 2006633. Both Well No. 5 and the supplemental well supply water to the same sprinkler system for the irrigation of the SE¼ of Section 34.

The supplemental well's groundwater withdrawals is offset by the quantity of water recharged by the Applicant under the decree in 89CW45. Accordingly, the augmented portion, per decree, of the water diverted by the supplemental well, WDID 2006633, was not assessed a Variable Fee for 2019 and was not given surface water credit for the recharged surface water consumed by this practice. Because Well No. 5 had a pre-existing groundwater right that is not included in the plan of augmentation, it is a Subdistrict Well and the injurious stream depletions occurring from the original use are being remedied pursuant to the Amended Plan. Because a Subdistrict Well irrigates this land, the land is Subdistrict Land within the ambit of the Amended Plan.

<https://dnrweblink.state.co.us/dwr/DocView.aspx?id=711074&page=1>

Case No. 96CW5, Application of George Kirkpatrick

This case authorizes the construction of "auxiliary wells." The auxiliary wells are permits # 45102-F WDID 2013719, 45103-F WDID 2013721, and WDID's 2013720, 2013722 and 2008241 to be used in conjunction with existing wells for the irrigation of the SE¼ of Section 6 and the SW¼ of Section 5 in T39N, R10E, N.M.P.M. The "auxiliary wells" are intended to supplement the water supply available from Well #1, Permit # 22543-F, WDID 2008240 located in the center of the SW¼ of Section 5, and Well No. 2, Permit # 22542-F, WDID 2008241 located in the center of the SE¼ of Section 6. Shares in the San Luis Valley Canal Company and the Prairie Ditch Company represent the surface water rights involved. The plan for augmentation operates by allowing the "auxiliary wells" to withdraw a portion of the water recharged under the surface water rights. The decree limits the consumptive use credits under the surface water rights to 50% of the amount diverted to recharge, and limits the consumptive use that can be made of water diverted by the auxiliary wells to the consumptive use credit calculated under the decree.

This land is Subdistrict Land because it is irrigated by Wells #1 and #2 under their pre-existing groundwater rights, the injurious depletions from which are remedied by the Subdistrict pursuant to the Amended Plan as implemented by the ARP. Although the auxiliary wells operate pursuant to a decreed plan for augmentation, they irrigate Subdistrict Land that is also irrigated by Subdistrict Wells. While the auxiliary wells were not assessed a Variable Fee and no surface water credit was given for the water consumed by these wells in 2019, it is necessary to account

for these wells in the Amended Plan in order to correctly determine the Farm Unit's Variable Fee and Surface Water Credit.

<https://dnrweblink.state.co.us/dwr/DocView.aspx?id=712895&page=1>

Case No. 01CW06, Application of Kimothy and DeAnn Cooley

Case No. 01CW06, the application of Kimothy and De Ann Cooley, involves 200 shares of the San Luis Valley Canal that historically have been used for the irrigation of the NE $\frac{1}{4}$ of Section 35, T40N, R10E, N.M.P.M. Prior to 1966, this land was flood irrigated; in 1966 a sprinkler was installed and the San Luis Valley Canal shares were diverted into a holding pond and then used for irrigation through a center pivot sprinkler. The application in Case No. 01CW06 sought to change the manner of irrigation from direct application to the land through the center pivot sprinkler to recharge of the aquifer and then withdrawal of the recharged water through wells supplying the center pivot sprinkler. The decree permits the Applicants to use the 200 shares in the San Luis Valley Canal for direct irrigation and as a source of augmentation for up to 4 wells. WDID Nos. 2014013, 2014014, 2014016 are currently located on the NE $\frac{1}{4}$ of Section 35. The decree authorizes the Applicants to recharge the unconfined aquifer and, pursuant to a formula in the decree, to withdraw a portion of the groundwater so recharged through wells for continued irrigation of the NE $\frac{1}{4}$ of Section 35 by center pivot sprinkler.

Because these wells are limited to the withdrawal of recharge, they create no net depletions from their operations that must be replaced under the Amended Plan. Therefore, they are not considered Subdistrict #1 Wells, and the land irrigated by the wells is treated as Non-Benefitted Subdistrict #1 Lands and assessed no Subdistrict #1 fees. However, the land and wells are part of a larger Farm Unit, and it is necessary to continue to account for the wells and surface water in the Amended Plan in order to properly calculate the Farm Unit's Surface Water Credit and Variable Fees.

<https://dnrweblink.state.co.us/dwr/DocView.aspx?id=361006&page=1>

Case No. W-3847, Application of Gary Seger

This case involves an application and decree for conditional alternate points of diversion and a plan for augmentation. The proposed wells in the decree were completed and are being used pursuant to this decree. This operation is not what is commonly described as a plan for augmentation but the court has decreed it as such, so it is included.

The two alternate points of diversion wells are WDID 2005398, Permit # 25360-F, Well number 1A, W-3847 which irrigates the SW $\frac{1}{4}$ S13, T40N, R06E, N.M.P.M. and WDID 2005399, Permit # 25361-F, Well number 2-A, W-3847 which irrigates the NE $\frac{1}{4}$ S13, T40N, R06E, N.M.P.M. both in Rio Grande County, Colorado. These two wells are alternate points to WDID 2005933, Permit # 6885RR, Well Number 1, W-1231, WDID 2005931, Permit # 16941-F, Well Number 1 and WDID 2005932, Permit # 16940-F, Well Number 2 both of W-3325 which also irrigated the SE $\frac{1}{4}$ S13, T40N, R06E, N.M.P.M. and the SW $\frac{1}{4}$ S18, T40N, R07E, N.M.P.M.

All five wells have a combined groundwater withdrawal limitation of 4,480 gpm. The yield of the

two wells subject to this decree is to be no more than a maximum of 895 gpm each. Mr. Seger has 45 shares of Rio Grande Canal water and 40 shares of Santa Maria Reservoir Company water to serve the four quarters that are associated with this overall plan. As a condition of the decree in this case, half of the water associated with these shares must be recharged in pits on the quarters in order for this plan to operate according to the decree. The court calculated that the water attributable to half of the total shares would be recharged and thence used for irrigation by means of groundwater withdrawals. It also required that none of the shares attributable to the subject plan could be used for flood irrigation purposes.

<https://dnrweblink.state.co.us/dwr/DocView.aspx?id=555628&page=1>

Great Sand Dunes National Park Services

In 2020 the Great Sand Dunes National Park Services contracted with Subdistrict No.1 for wells that lie outside of Subdistrict #1 Response Area, but within the RGDSS Model Domain. On January 15, 2021 the division engineer accepted the NPS sustainability metric. The approved metric can be found in Appendix J.

11.0 HYDRAULIC DIVIDE

The hydraulic divide (Divide) is a shallow groundwater divide, that when present, separates the Closed Basin in the San Luis Valley from the remainder of the Rio Grande Basin. The divide has been historically mapped generally paralleling and lying northerly of the Rio Grande $\pm\frac{1}{2}$ to ± 2 miles through the reach from near Del Norte to Alamosa. The Divide extends northwest of Del Norte to the Continental Divide and from Alamosa northeast to the basin divide along the Sangre de Cristo Mountains. Recent water level measurements in wells along the north side of the Rio Grande indicate that the Divide has retreated south to the Rio Grande or very near the river. A goal of the Plan of Water Management is to recover and re-establish the Divide northerly of the river which is likely to reduce depletions to the Rio Grande from groundwater withdrawals within Subdistrict #1.

Appendix C contains maps showing the results of groundwater measurements collected during spring 2020. These maps include interpreted groundwater elevation contours and vectors showing direction of groundwater flow. If a well-defined Hydraulic Divide lying northerly of the Rio Grande exists, groundwater flow vectors would indicate a groundwater flow from the Divide along the southerly side toward the Rio Grande river and on the northerly side toward the Closed Basin. The groundwater flow vectors do not provide evidence of a well-defined Divide with the possible exception of an area between Monte Vista and Alamosa where there is some evidence for a few miles. The interpreted location of the Divide is shown on the maps prepared from the 2020 groundwater measurements. The approximate Divide location in the area between Del Norte and the 7-Mile Plaza is uncertain due to the perched river condition, so it is shown as a dotted line on the maps included in Appendix C.

12.0 GROUNDWATER LEVELS IN THE UNCONFINED AQUIFER AND UNCONFINED AQUIFER STORAGE LEVELS

12.1 Groundwater Levels in the Unconfined and Confined Aquifer

A tabulation of groundwater levels measured in unconfined and confined wells both within the boundaries of Subdistrict #1 and the study area for the Change in Unconfined Aquifer Storage – West Central San Luis Valley are provided in Appendix D. This tabulation includes measured values for each of the wells obtained during the previous 12-months. A map showing the location of each well is also included in Appendix D.

12.2 Unconfined Aquifer Change in Storage Volumes

A map showing the study area for the Change in Unconfined Aquifer Storage – West Central San Luis Valley and a tabulation of the data is included in Appendix E. The calculated monthly change in unconfined aquifer storage volumes have been accumulated and plotted on a chart and included as Figure 12.1. The monthly change in storage volumes are plotted on the chart and connected by a line on the chart with the horizontal axis divided into years and the vertical axis divided into change in storage in acre-feet. An additional line is plotted on the chart representing the 5-year running average of the annual average of the monthly change in unconfined storage volume.

Figure 12.1
Chart Showing Change in Unconfined Aquifer Storage

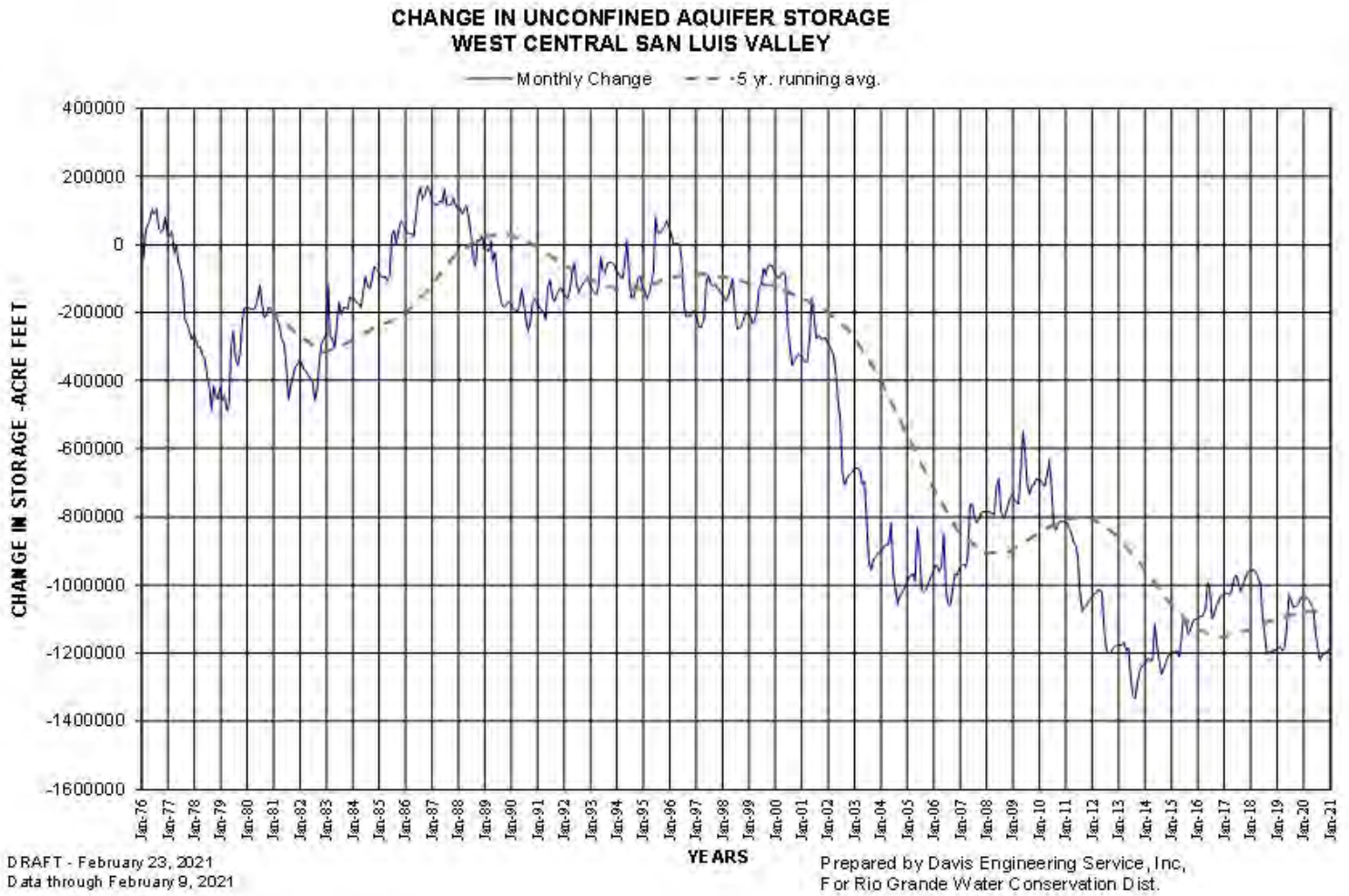


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APPENDIX A

Table 1: Subdistrict No. 1 depletions per Table 2.6 in the accepted 2019 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Stream Replacement Obligation for 2019 ARP Year submitted to the Colorado State Engineer's Office on May 1, 2019. January 2020 Depletion Obligation Total: 110 ac-ft. 2019 Replacement Operation Total: 110 ac-ft (all units' are in acre feet).

<i>Date</i>	<i>Depletion Obligation</i>				Table 1						<i>SD #1 Replacement Water Sources</i>			
January	SR-1 Ac-ft.	SR-2 Ac-ft.	SR-3 Ac-ft.	Total Required 2018 ARP	Forbear SLVID SR 1&2 Ac-ft.	Forbear SLVC SR 1&2 Ac-ft.	Forbear MVC SR 1&2 Ac-ft.	SLVID Tabor D 2 TM SR 1&2 Ac-ft.	Exchange from SR 3 to SR 2 UNAVAILABLE	William Cr. Squaw TM SR 1 & 2 Ac-ft	CBP Allocation SR 1, 2 & 3 Ac-ft.	Accretion Exchange from SMRC SR1 & SR2 Ac-Ft.	Accretion Exchange From SMRC SR 3 Ac-ft.	Total
1	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
2	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
3	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
4	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
5	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
6	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
7	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
8	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
9	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
10	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
11	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
12	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
13	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
14	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
15	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
16	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
17	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
18	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
19	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
20	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
21	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
22	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
23	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
24	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
25	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
26	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
27	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
28	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
29	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
30	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
31	1.54	2.06	-0.06		0	0	0	0			3.548	0		3.548
Totals	48	64	-2								110			110

*Negative Depletions are utilized to remedy Stream Reach 1 or 2 depletions. Approval Date 5/31/2019

Table 2: District 20 Rio Grande River Call for January 2020 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

Table 2

January	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1	Compact	Compact	No Forbearance in January 2020
2	Compact	Compact	0
3	Compact	Compact	0
4	Compact	Compact	0
5	Compact	Compact	0
6	Compact	Compact	0
7	Compact	Compact	0
8	Compact	Compact	0
9	Compact	Compact	0
10	Compact	Compact	0
11	Compact	Compact	0
12	Compact	Compact	0
13	Compact	Compact	0
14	Compact	Compact	0
15	Compact	Compact	0
16	Compact	Compact	0
17	Compact	Compact	0
18	Compact	Compact	0
19	Compact	Compact	0
20	Compact	Compact	0
21	Compact	Compact	0
22	Compact	Compact	0
23	Compact	Compact	0
24	Compact	Compact	0
25	Compact	Compact	0
26	Compact	Compact	0
27	Compact	Compact	0
28	Compact	Compact	0
29	Compact	Compact	0
30	Compact	Compact	0
31	Compact	Compact	0

Contact person responsible for the operation and accounting for Subdistrict No. 1:

Marisa Fricke

Office Phone: 719-589-6301

Program Manager, RGWCD

Table 1: Subdistrict No. 1 depletions per Table 2.6 in the accepted 2019 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Stream Replacement Obligation for 2019 ARP Year submitted to the Colorado State Engineer’s Office on May 1, 2019. February 2020 Depletion Obligation Total: 100 ac-ft. 2019 Replacement Operation Total: 100 ac-ft (all units’ are in acre feet).

<i>Date</i>	<i>Depletion Obligation</i>				Table 1						<i>SD #1 Replacement Water Sources</i>			
February	SR-1 Ac-ft.	SR-2 Ac-ft.	SR-3 Ac-ft.	Total Required 2018 ARP	Forbear SLVID SR 1&2 Ac-ft.	Forbear SLVC SR 1&2 Ac-ft.	Forbear MVC SR 1&2 Ac-ft.	SLVID Tabor D 2 TM SR 1&2 Ac-ft.	Exchange from SR 3 to SR 2 UNAVAILABLE	William Cr. Squaw TM SR 1 & 2 Ac-ft	CBP Allocation SR 1, 2 & 3 Ac-ft.	Accretion Exchange from SMRC SR1 & SR2 Ac-Ft.	Accretion Exchange From SMRC SR 3 Ac-ft.	Total
1	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
2	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
3	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
4	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
5	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
6	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
7	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
8	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
9	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
10	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
11	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
12	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
13	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
14	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
15	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
16	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
17	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
18	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
19	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
20	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
21	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
22	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
23	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
24	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
25	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
26	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
27	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
28	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
29	1.52	2.20	-0.06		0	0	0	0			3.66	0		3.66
Totals	44	64	-8								100			100

*Negative Depletions are utilized to remedy Stream Reach 1 or 2 depletions. Approval Date 5/31/2019

Table 2: District 20 Rio Grande River Call for February 2020 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

Table 2

February	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1	Compact	Compact	No Forbearance in February 2020
2	Compact	Compact	0
3	Compact	Compact	0
4	Compact	Compact	0
5	Compact	Compact	0
6	Compact	Compact	0
7	Compact	Compact	0
8	Compact	Compact	0
9	Compact	Compact	0
10	Compact	Compact	0
11	Compact	Compact	0
12	Compact	Compact	0
13	Compact	Compact	0
14	Compact	Compact	0
15	Compact	Compact	0
16	Compact	Compact	0
17	Compact	Compact	0
18	Compact	Compact	0
19	Compact	Compact	0
20	Compact	Compact	0
21	Compact	Compact	0
22	Compact	Compact	0
23	Compact	Compact	0
24	Compact	Compact	0
25	Compact	Compact	0
26	Compact	Compact	0
27	Compact	Compact	0
28	Compact	Compact	0
29	Compact	Compact	0

Contact person responsible for the operation and accounting for Subdistrict No. 1:

Marisa Fricke

Office Phone: 719-589-6301

Program Manager, RGWCD

Table 1: Subdistrict No. 1 depletions per Table 2.6 in the accepted 2019 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Stream Replacement Obligation for 2019 ARP Year submitted to the Colorado State Engineer’s Office on May 1, 2019. March 2020 Depletion Obligation Total: 107 ac-ft. 2019 Replacement Operation Total: 107 ac-ft (all units’ are in acre feet).

<i>Date</i>	<i>Depletion Obligation</i>				Table 1						<i>SD #1 Replacement Water Sources</i>			
March	SR-1 Ac-ft.	SR-2 Ac-ft.	SR-3 Ac-ft.	Total Required 2018 ARP	Forbear SLVID SR 1&2 Ac-ft.	Forbear SLVC SR 1&2 Ac-ft.	Forbear MVC SR 1&2 Ac-ft.	SLVID Tabor D 2 TM SR 1&2 Ac-ft.	Exchange from SR 3 to SR 2 UNAVAILABLE	William Cr. Squaw TM SR 1 & 2 Ac-ft	CBP Allocation SR 1, 2 & 3 Ac-ft.	Accretion Exchange from SMRC SR1 & SR2 Ac-Ft.	Accretion Exchange From SMRC SR 3 Ac-ft.	Total
1	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
2	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
3	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
4	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
5	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
6	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
7	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
8	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
9	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
10	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
11	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
12	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
13	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
14	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
15	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
16	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
17	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
18	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
19	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
20	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
21	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
22	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
23	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
24	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
25	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
26	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
27	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
28	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
29	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
30	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
31	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
Totals	46	74	-13								107			107

*Negative Depletions are utilized to remedy Stream Reach 1 or 2 depletions. Approval Date 5/31/2019

Table 2: District 20 Rio Grande River Call for March 2020 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

Table 2

March	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1	Compact	Compact	No Forbearance in March 2020
2	Compact	Compact	0
3	Compact	Compact	0
4	Compact	Compact	0
5	Compact	Compact	0
6	Compact	Compact	0
7	Compact	Compact	0
8	Compact	Compact	0
9	Compact	Compact	0
10	Compact	Compact	0
11	Compact	Compact	0
12	Compact	Compact	0
13	Compact	Compact	0
14	Compact	Compact	0
15	Compact	Compact	0
16	Compact	Compact	0
17	Compact	Compact	0
18	Compact	Compact	0
19	Compact	Compact	0
20	Compact	Compact	0
21	Compact	Compact	0
22	Compact	Compact	0
23	Compact	Compact	0
24	Compact	Compact	0
25	Compact	Compact	0
26	Compact	Compact	0
27	Compact	Compact	0
28	Compact	Compact	0
29	Compact	Compact	0
30	Compact	Compact	0
31	Compact	Compact	0

Contact person responsible for the operation and accounting for Subdistrict No. 1:
 Marisa Fricke
 Program Manager, RGWCD
 Office Phone: 719-589-6301

Table 2: District 20 Rio Grande River Call for April 2020 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

Table 2

April	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1	166	INDEPENDENT D (RIO GRANDE)	No Forbearance in April 2020
2	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
3	193	JOHN ANDERSON D (RIO GRANDE)	0
4	204	RIO GRANDE SAN LUIS D (RIO GRANDE)	0
5	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
6	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
7	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
8	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
9	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
10	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
11	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
12	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
13	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
14	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
15	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
16	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
17	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
18	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
19	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
20	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
21	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
22	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
23	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
24	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
25	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
26	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
27	224	MONTE VISTA CNL (RIO GRANDE)	0
28	236-A	EMPIRE CANAL (RIO GRANDE)	0
29	262	EXCELSIOR D (RIO GRANDE)	0
30	297	PRARIE D (RIO GRANDE)	0

Contact person responsible for the operation and accounting for Subdistrict No. 1:

Marisa Fricke

Office Phone: 719-589-6301

Program Manager, RGWCD

Table 2: District 20 Rio Grande River Call for May 2020 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

Table 2

May	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1	314	FARMERS UNION CANAL (RIO GRANDE)	No Forbearance in May 2020
2	361-A	EMPIRE CANAL (RIO GRANDE)	0
3	361-B	EMPIRE CANAL (RIO GRANDE)	0
4	361-B	EMPIRE CANAL (RIO GRANDE)	0
5	361-B	EMPIRE CANAL (RIO GRANDE)	0
6	361-A	EMPIRE CANAL (RIO GRANDE)	0
7	363-A	RIO GRANDE CANAL (RIO GRANDE)	0
8	365	RIO GRANDE CANAL (RIO GRANDE)	0
9	362	KENILWORTH CANAL (RIO GRANDE)	0
10	361-B	EMPIRE CANAL (RIO GRANDE)	0
11	361-A	EMPIRE CANAL (RIO GRANDE)	0
12	361-A	EMPIRE CANAL (RIO GRANDE)	0
13	361-A	EMPIRE CANAL (RIO GRANDE)	0
14	358	MONTE VISTA CANAL (RIO GRANDE)	0
15	358	MONTE VISTA CANAL (RIO GRANDE)	0
16	358	MONTE VISTA CANAL (RIO GRANDE)	0
17	358	MONTE VISTA CANAL (RIO GRANDE)	0
18	361-B	EMPIRE CANAL (RIO GRANDE)	0
19	365	RIO GRANDE CANAL (RIO GRANDE)	0
20	365	RIO GRANDE CANAL (RIO GRANDE)	0
21	365	RIO GRANDE CANAL (RIO GRANDE)	0
22	363-B	RIO GRANDE CANAL (RIO GRANDE)	0
23	358	MONTE VISTA CANAL (RIO GRANDE)	0
24	314	FARMERS UNION CANAL (RIO GRANDE)	0
25	298	RIO GRANDE SAN LUIS D (RIO GRANDE)	0
26	297	PRAIRIE D (RIO GRANDE)	0
27	293	COSTILLA D (RIO GRANDE)	0
28	312-A	RIO GRANDE CANAL (RIO GRANDE)	0
29	341	BREY D (RIO GRANDE)	0
30	363-A	RIO GRANDE CANAL (RIO GRANDE)	0
31	365	RIO GRANDE CANAL (RIO GRANDE)	0

Contact person responsible for the operation and accounting for Subdistrict No. 1:

Marisa Fricke

Office Phone: 719-589-6301

Program Manager, RGWCD

Table 2: District 20 Rio Grande River Call for June 2020 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

Table 2

June	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1	1903-22B	SAN LUIS VALLEY CANAL (RIO GRANDE)	No Forbearance in June 2020
2	1903-22E	FARMERS UNION CANAL (RIO GRANDE)	0
3	365	RIO GRANDE CANAL (RIO GRANDE)	0
4	358-A	RIO GRANDE CANAL (RIO GRANDE)	0
5	297	PRAIRIE D (RIO GRANDE)	0
6	297	PRAIRIE D (RIO GRANDE)	0
7	363-B	RIO GRANDE CANAL (RIO GRANDE)	0
8	361-A	EMPIRE CANAL (RIO GRANDE)	0
9	358	MONTE VISTA CANAL (RIO GRANDE)	0
10	293	COSTILLA D (RIO GRANDE)	0
11	270	SAN LUIS VALLEY CANAL (RIO GRANDE)	0
12	241	RIO GRANDE PIEDRA VLY D (RIO GRANDE)	0
13	236-A	EMPIRE CANAL (RIO GRANDE)	0
14	236-A	EMPIRE CANAL (RIO GRANDE)	0
15	236-A	EMPIRE CANAL (RIO GRANDE)	0
16	236-A	EMPIRE CANAL (RIO GRANDE)	0
17	236-A	EMPIRE CANAL (RIO GRANDE)	0
18	224	MONTE VISTA CANAL (RIO GRANDE)	0
19	224	MONTE VISTA CANAL (RIO GRANDE)	0
20	218	BUTLER IRR D (RIO GRANDE)	0
21	217	RIO GRANDE LARIAT D (RIO GRANDE)	0
22	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
23	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
24	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
25	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
26	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
27	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
28	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
29	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
30	216-A	RIO GRANDE CANAL (RIO GRANDE)	0

Contact person responsible for the operation and accounting for Subdistrict No. 1:

Marisa Fricke

Program Manager, RGWCD

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Table 2: District 20 Rio Grande River Call for July 2020 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

Table 2

July	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1	2016-A	RIO GRANDE CANAL (RIO GRANDE)	No Forbearance in July 2020
2	2016-A	RIO GRANDE CANAL (RIO GRANDE)	0
3	2016-A	RIO GRANDE CANAL (RIO GRANDE)	0
4	203	LOMA D (RIO GRANDE)	0
5	209	BILLINGS D (RIO GRANDE)	0
6	209	FISH D (RIO GRANDE)	0
7	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
8	209	FISH D (RIO GRANDE)	0
9	198	ENTERPRISE D (RIO GRANDE)	0
10	197	BIEDEL D (RIO GRANDE)	0
11	184	PARK GREEN D (RIO GRANDE)	0
12	178	RIO GRANDE CANAL (RIO GRANDE)	0
13	174	CHICAGO D (RIO GRANDE)	0
14	174	CHICAGO D (RIO GRANDE)	0
15	174	CHICAGO D (RIO GRANDE)	0
16	190	MINOR D (RIO GRANDE)	0
17	197	BIEDEL D (RIO GRANDE)	0
18	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
19	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
20	209	FISH D (RIO GRANDE)	0
21	203	LOMA D (RIO GRANDE)	0
22	190	MINOR D (RIO GRANDE)	0
23	197	BIEDEL D (RIO GRANDE)	0
24	197	BIEDEL D (RIO GRANDE)	0
25	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
26	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
27	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
28	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
29	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
30	216-A	RIO GRANDE CANAL (RIO GRANDE)	0
31	216-A	RIO GRANDE CANAL (RIO GRANDE)	0

Contact person responsible for the operation and accounting for Subdistrict No. 1:

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Program Manager, RGWCD

Table 2: District 20 Rio Grande River Call for August 2020 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

Table 2

<i>August</i>	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1	198	ENTERPRISE D (RIO GRANDE)	No Forbearance in August 2020
2	192	NICHOL D (RIO GRANDE)	0
3	192	NICHOL D (RIO GRANDE)	0
4	192	NICHOL D (RIO GRANDE)	0
5	190	MINOR D (RIO GRANDE)	0
6	178	RIO GRANDE CNL (RIO GRANDE)	0
7	179	SCHUCH SCHMIDT D (RIO GRANDE)	0
8	174	CHICAGO D (RIO GRANDE)	0
9	173	CENENNIAL D (RIO GRANDE)	0
10	163	EXCELSIOR D (RIO GRANDE)	0
11	163	EXCELSIOR D (RIO GRANDE)	0
12	163	EXCELSIOR D (RIO GRANDE)	0
13	163	EXCELSIOR D (RIO GRANDE)	0
14	163	EXCELSIOR D (RIO GRANDE)	0
15	163	EXCELSIOR D (RIO GRANDE)	0
16	163	EXCELSIOR D (RIO GRANDE)	0
17	146	RIO GRANDE PIEDRA VLY (RIO GRANDE)	0
18	146	RIO GRANDE PIEDRA VLY (RIO GRANDE)	0
19	146	RIO GRANDE PIEDRA VLY (RIO GRANDE)	0
20	146	RIO GRANDE PIEDRA VLY (RIO GRANDE)	0
21	146	RIO GRANDE PIEDRA VLY (RIO GRANDE)	0
22	144	ATENCIO D2 (RIO GRANDE)	0
23	141	HORNER YDREN (RIO GRANDE)	0
24	141	HORNER YDREN (RIO GRANDE)	0
25	144	ATENCIO D2 (RIO GRANDE)	0
26	146	RIO GRANDE PIEDRA VLY (RIO GRANDE)	0
27	146	RIO GRANDE PIEDRA VLY (RIO GRANDE)	0
28	163	EXCELSIOR D (RIO GRANDE)	0
29	163	EXCELSIOR D (RIO GRANDE)	0
30	163	EXCELSIOR D (RIO GRANDE)	0
31	163	EXCELSIOR D (RIO GRANDE)	0

Contact person responsible for the operation and accounting for Subdistrict No. 1:

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Table 2: District 20 Rio Grande River Call for August 2020 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

Table 2

September	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1	163	EXCELSIOR D (RIO GRANDE)	No Forbearance in September 2020
2	163	EXCELSIOR D (RIO GRANDE)	0
3	163	EXCELSIOR D (RIO GRANDE)	0
4	163	EXCELSIOR D (RIO GRANDE)	0
5	146	RIO GRANDE PIEDRA VLY D (RIO GRANDE)	0
6	146	RIO GRANDE PIEDRA VLY D (RIO GRANDE)	0
7	146	RIO GRANDE PIEDRA VLY D (RIO GRANDE)	0
8	146	RIO GRANDE PIEDRA VLY D (RIO GRANDE)	0
9	163	EXCELSIOR D (RIO GRANDE)	0
10	187	EHWITZ D (RIO GRANDE)	0
11	216-A	RIO GRANDE CNL (RIO GRANDE)	0
12	216-A	RIO GRANDE CNL (RIO GRANDE)	0
13	216-A	RIO GRANDE CNL (RIO GRANDE)	0
14	216-A	RIO GRANDE CNL (RIO GRANDE)	0
15	209	FISH D (RIO GRANDE)	0
16	204	RIO GRANDE SAN LUIS D (RIO GRANDE)	0
17	197	BIEDEL D (RIO GRANDE)	0
18	197	BIEDEL D (RIO GRANDE)	0
19	190	MINOR D (RIO GRANDE)	0
20	187	BAUER D (RIO GRANDE)	0
21	178	RIO GRANDE CNL (RIO GRANDE)	0
22	187	BAUER D (RIO GRANDE)	0
23	190	MINOR D (RIO GRANDE)	0
24	178	RIO GRANDE CNL (RIO GRANDE)	0
25	174	CHICAGO D (RIO GRANDE)	0
26	166	INDEPENDENT D (RIO GRANDE)	0
27	163	EXCELSIOR D (RIO GRANDE)	0
28	163	EXCELSIOR D (RIO GRANDE)	0
29	163	EXCELSIOR D (RIO GRANDE)	0
30	163	EXCELSIOR D (RIO GRANDE)	0

Contact person responsible for the operation and accounting for Subdistrict No. 1:

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Table 2: District 20 Rio Grande River Call for October 2020 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

Table 2

October	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1	163	EXCELSIOR D (RIO GRANDE)	No Forbearance in October 2020
2	163	EXCELSIOR D (RIO GRANDE)	0
3	163	EXCELSIOR D (RIO GRANDE)	0
4	163	EXCELSIOR D (RIO GRANDE)	0
5	163	EXCELSIOR D (RIO GRANDE)	0
6	163	EXCELSIOR D (RIO GRANDE)	0
7	163	EXCELSIOR D (RIO GRANDE)	0
8	163	EXCELSIOR D (RIO GRANDE)	0
9	163	EXCELSIOR D (RIO GRANDE)	0
10	163	EXCELSIOR D (RIO GRANDE)	0
11	163	EXCELSIOR D (RIO GRANDE)	0
12	163	EXCELSIOR D (RIO GRANDE)	0
13	163	EXCELSIOR D (RIO GRANDE)	0
14	163	EXCELSIOR D (RIO GRANDE)	0
15	163	EXCELSIOR D (RIO GRANDE)	0
16	146	RIO GRANDE PIEDRA VLY D (RIO GRANDE)	0
17	146	RIO GRANDE PIEDRA VLY D (RIO GRANDE)	0
18	146	RIO GRANDE PIEDRA VLY D (RIO GRANDE)	0
19	146	RIO GRANDE PIEDRA VLY D (RIO GRANDE)	0
20	146	RIO GRANDE PIEDRA VLY D (RIO GRANDE)	0
21	163	EXCELSIOR D (RIO GRANDE)	0
22	163	EXCELSIOR D (RIO GRANDE)	0
23	163	EXCELSIOR D (RIO GRANDE)	0
24	163	EXCELSIOR D (RIO GRANDE)	0
25	163	EXCELSIOR D (RIO GRANDE)	0
26	178	RIO GRANDE CNL (RIO GRANDE)	0
27	178	RIO GRANDE CNL (RIO GRANDE)	0
28	163	ENTERPRISE D (RIO GRANDE)	0
29	198	ENTERPRISE D (RIO GRANDE)	0
30	198	ENTERPRISE D (RIO GRANDE)	0
31	204	RIO GRANDE SAN LUIS D (RIO GRANDE)	

Contact person responsible for the operation and accounting for Subdistrict No. 1:

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Table 2: District 20 Rio Grande River Call for November 2020 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

Table 2

November	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1	Compact	Compact	No Forbearance in November 2020
2	Compact	Compact	
3	Compact	Compact	
4	Compact	Compact	
5	Compact	Compact	
6	Compact	Compact	
7	Compact	Compact	
8	Compact	Compact	
9	Compact	Compact	
10	Compact	Compact	
11	Compact	Compact	
12	Compact	Compact	
13	Compact	Compact	
14	Compact	Compact	
15	Compact	Compact	
16	Compact	Compact	
17	Compact	Compact	
18	Compact	Compact	
19	Compact	Compact	
20	Compact	Compact	
21	Compact	Compact	
22	Compact	Compact	
23	Compact	Compact	
24	Compact	Compact	
25	Compact	Compact	
26	Compact	Compact	
27	Compact	Compact	
28	Compact	Compact	
29	Compact	Compact	
30	Compact	Compact	

Contact person responsible for the operation and accounting for Subdistrict No. 1:

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Table 1: Subdistrict No. 1 depletions per Table 2.6 in the accepted 2020 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Stream Replacement Obligation for 2020 ARP Year submitted to the Colorado State Engineer’s Office on May 1, 2020 and revised and reapproved on November 30, 2020. December 2020 Depletion Obligation Total: 63 ac-ft. 2020 Replacement Operation Total: 63 ac-ft (all units’ are in acre feet).

<i>Date</i>	<i>Depletion Obligation</i>				Table 1						<i>SD #1 Replacement Water Sources</i>			
December	SR-1 Ac-ft.	SR-2 Ac-ft.	SR-3 Ac-ft.	Total Required 2018 ARP	Forbear SLVID SR 1&2 Ac-ft.	Forbear SLVC SR 1&2 Ac-ft.	Forbear MVC SR 1&2 Ac-ft.	SLVID Tabor D 2 TM SR 1&2 Ac-ft.	Exchange from SR 3 to SR 2 UNAVAILABLE	William Cr. Squaw TM SR 1 & 2 Ac-ft	CBP Allocation SR 1, 2 & 3 Ac-ft.	Accretion Exchange from SMRC SR1 & SR2 Ac-Ft.	Accretion Exchange From SMRC SR 3 Ac-ft.	Total
1	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
2	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
3	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
4	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
5	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
6	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
7	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
8	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
9	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
10	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
11	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
12	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
13	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
14	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
15	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
16	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
17	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
18	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
19	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
20	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
21	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
22	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
23	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
24	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
25	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
26	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
27	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
28	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
29	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
30	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
31	-1.77	3.67	.13		0	0	0	0			2.03	0		2.03
Totals	-55	114	4								63			63

Table 2: District 20 Rio Grande River Call for December 2020 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

Table 2

December	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1	Compact	Compact	No Forbearance in December 2020
2	Compact	Compact	0
3	Compact	Compact	0
4	Compact	Compact	0
5	Compact	Compact	0
6	Compact	Compact	0
7	Compact	Compact	0
8	Compact	Compact	0
9	Compact	Compact	0
10	Compact	Compact	0
11	Compact	Compact	0
12	Compact	Compact	0
13	Compact	Compact	0
14	Compact	Compact	0
15	Compact	Compact	0
16	Compact	Compact	0
17	Compact	Compact	0
18	Compact	Compact	0
19	Compact	Compact	0
20	Compact	Compact	0
21	Compact	Compact	0
22	Compact	Compact	0
23	Compact	Compact	0
24	Compact	Compact	0
25	Compact	Compact	0
26	Compact	Compact	0
27	Compact	Compact	0
28	Compact	Compact	0
29	Compact	Compact	0
30	Compact	Compact	0
31	Compact	Compact	0

Contact person responsible for the operation and accounting for Subdistrict No. 1:

Marisa Fricke

Office Phone: 719-589-6301

Program Manager, RGWCD

Table 1: Subdistrict No. 1 depletions per Table 2.6 in the accepted 2020 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Stream Replacement Obligation for 2020 ARP Year submitted to the Colorado State Engineer’s Office on May 1, 2020. January 2021 Depletion Obligation Total: 56 ac-ft. 2020 Replacement Operation Total: 56 ac-ft (all units’ are in acre feet).

<i>Date</i>	<i>Depletion Obligation</i>				Table 1						<i>SD #1 Replacement Water Sources</i>			
January	SR-1 Ac-ft.	SR-2 Ac-ft.	SR-3 Ac-ft.	Total Required 2020 ARP	Forbear SLVID SR 1&2 Ac-ft.	Forbear SLVC SR 1&2 Ac-ft.	Forbear MVC SR 1&2 Ac-ft.	SLVID Tabor D 2 TM SR 1&2 Ac-ft.	Exchange from SR 3 to SR 2 UNAVAILABLE	William Cr. Squaw TM SR 1 & 2 Ac-ft	CBP Allocation SR 1, 2 & 3 Ac-ft.	Accretion Exchange from SMRC SR1 & SR2 Ac-Ft.	Accretion Exchange From SMRC SR 3 Ac-ft.	Total
1	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
2	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
3	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
4	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
5	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
6	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
7	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
8	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
9	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
10	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
11	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
12	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
13	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
14	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
15	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
16	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
17	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
18	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
19	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
20	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
21	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
22	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
23	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
24	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
25	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
26	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
27	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
28	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
29	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
30	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
31	-1.35	3.48	.322		0	0	0	0			1.808	0		1.808
Totals	-42	108	-10	56.048							56.048			56.048

*Negative Depletions were not utilized to remedy Stream Reach 1 or 2 depletions.

Table 2: District 20 Rio Grande River Call for December 2020 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

Table 2

<i>January</i>	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1	Compact	Compact	No Forbearance in January 2021
2	Compact	Compact	0
3	Compact	Compact	0
4	Compact	Compact	0
5	Compact	Compact	0
6	Compact	Compact	0
7	Compact	Compact	0
8	Compact	Compact	0
9	Compact	Compact	0
10	Compact	Compact	0
11	Compact	Compact	0
12	Compact	Compact	0
13	Compact	Compact	0
14	Compact	Compact	0
15	Compact	Compact	0
16	Compact	Compact	0
17	Compact	Compact	0
18	Compact	Compact	0
19	Compact	Compact	0
20	Compact	Compact	0
21	Compact	Compact	0
22	Compact	Compact	0
23	Compact	Compact	0
24	Compact	Compact	0
25	Compact	Compact	0
26	Compact	Compact	0
27	Compact	Compact	0
28	Compact	Compact	0
29	Compact	Compact	0
30	Compact	Compact	0
31	Compact	Compact	0

Contact person responsible for the operation and accounting for Subdistrict No. 1:

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Program Manager, RGWCD

APPENDIX B

Ditches and Pro Rata Shares

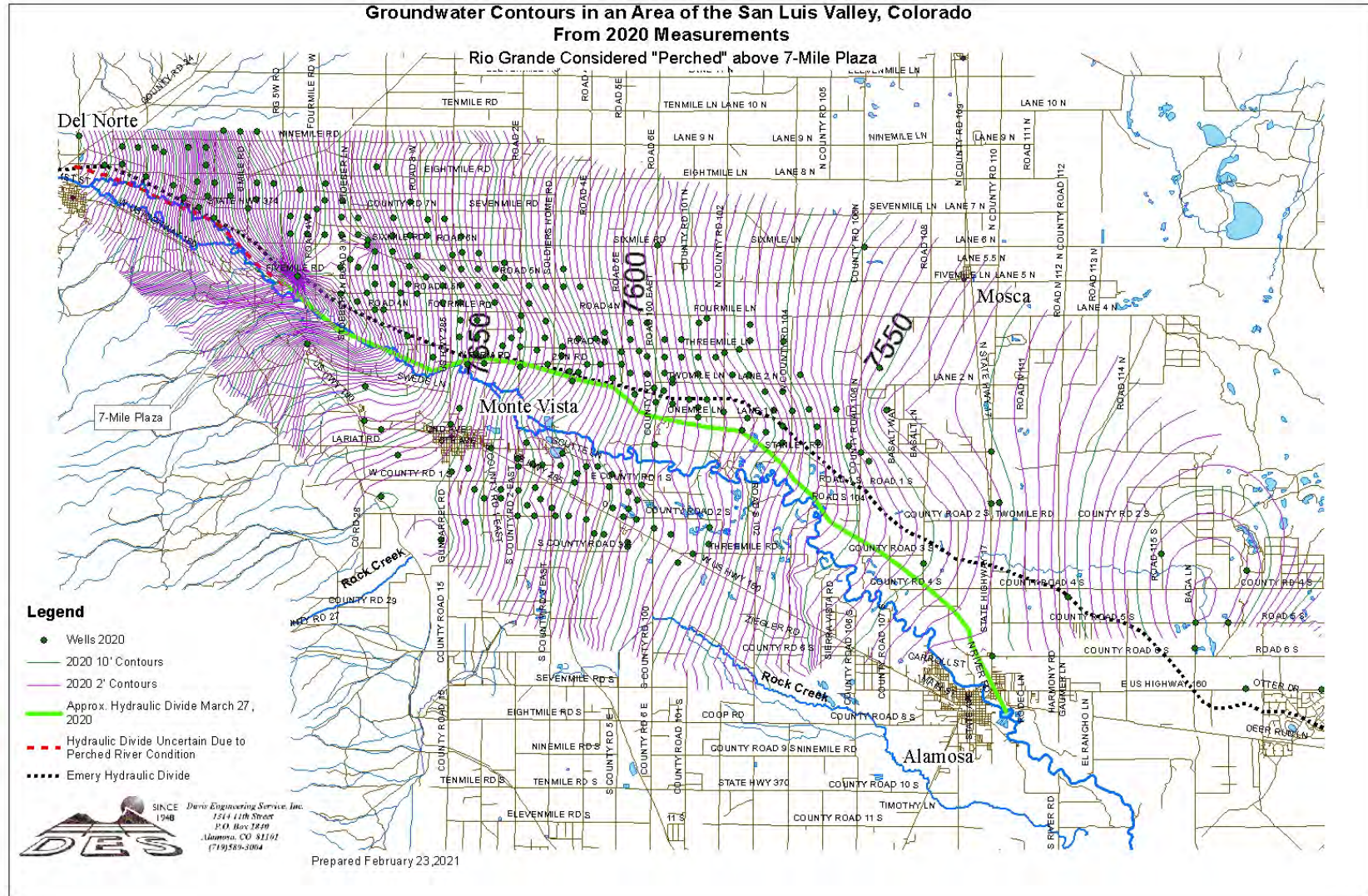
Summary of Ditches and Pro-Rata Shares

Allocated to Fields on Subdistrict No. 1 2020 Farm Units

WDID	Structure Name	Amount	Pro-rata Units
2000546	BILLINGS D	338	shares
2000556	BUTLER IRR D	5.8	cfs priority
2000627	EXCELSIOR D	2	shares
2000631	FARMERS UNION CNL	60714.821	acres
2000699	KANE CALLAN D	24	cfs priority
2000736	MCDONALD D	7.4	shares
2000798	PRAIRIE D	6.999	D&L
2000798	PRAIRIE D	3	McD
2000798	PRAIRIE D	244.8	shares
2000812	RIO GRANDE CNL	918.4	in SpW
2000812	RIO GRANDE CNL	6601.83	shares
2000812	RIO GRANDE CNL	4665.8	SM
2000814	RIO GRANDE D 2	3	cfs priority
2000829	SAN LUIS VALLEY CNL	10848	shares
2700502	BIEDELL D NO 10	16.2	cfs priority
2700503	BIEDELL D NO 2	2.34	cfs priority
2700518	GREEN D NO 1	16.34	cfs priority
2700522	HOME D NO 1	32.45	cfs priority
2700523	JOHNNIE SMITH D NO 1	20	cfs
2700523	JOHNNIE SMITH D NO 1	21.35	cfs priority
2700533	MCLEOD D NO 3	0.65	cfs priority
2700537	MOODY AND HEAD D	6.12	cfs priority
2700538	OMNIBUS D	61.82	cfs priority
2700543	ROCKY HILL SEPG OVFL D	1	cfs priority
2700545	SHOWN D	13.08	cfs priority
2700551	WHITE D	17.9	cfs priority
2700553	WILSON D NO 4	2.08	cfs priority
2700684	LA MAGOTE D NO 2	3.64	cfs priority
2700714	MCLEOD D NO 4 & 5	3.12	cfs priority

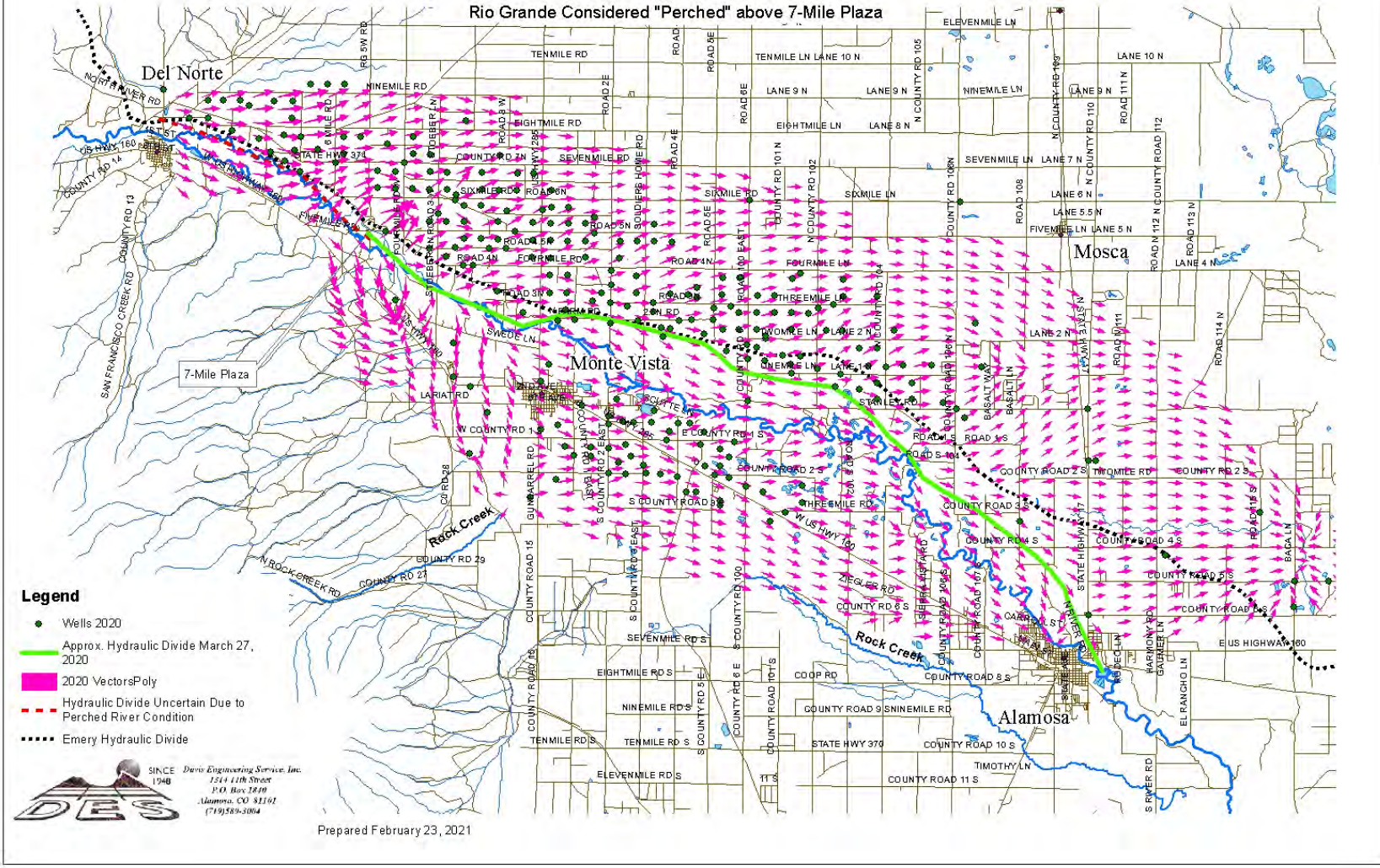
APPENDIX C

MAPS OF HYDRAULIC DIVIDE SHOWING GROUNDWATER CONTOURS AND FLOW VECTORS PREPARED FROM SPRING 2020 WELL MEASUREMENTS



Groundwater Contours in an Area of the San Luis Valley, Colorado From 2020 Measurements

Rio Grande Considered "Perched" above 7-Mile Plaza



- Legend**
- Wells 2020
 - Approx. Hydraulic Divide March 27, 2020
 - 2020 VectorsPoly
 - - - Hydraulic Divide Uncertain Due to Perched River Condition
 - Emery Hydraulic Divide



Prepared February 23, 2021

APPENDIX D

TABULATION OF MEASURED GROUNDWATER LEVELS IN WELLS WITHIN SUBDISTRICT NO. 1 AND CHANGE IN UNCONFINED AQUIFER STORAGE STUDY WELLS

USGS 375524106020501, NA04300931CCC, RGWCD13A			
RG13A			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
30.0	37.9264803 N	106.03490436 W	7562.51
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/3/2020	8.27	7554.24	RGWCD
2/7/2020	8.17	7554.34	RGWCD
3/4/2020	8.09	7554.42	RGWCD
4/9/2020	7.88	7554.63	RGWCD
5/6/2020	7.80	7554.71	RGWCD
6/8/2020	7.88	7554.63	RGWCD
7/7/2020	8.21	7554.30	RGWCD
8/5/2020	8.38	7554.13	RGWCD
9/11/2020	8.57	7553.94	RGWCD
10/6/2020	8.54	7553.97	RGWCD
11/5/2020	8.50	7554.01	RGWCD
12/4/2020	8.40	7554.11	RGWCD
1/8/2021	8.20	7554.31	RGWCD
2/8/2021	8.08	7554.43	RGWCD
USGS 375324105553301, NA04201007CCC, RGWCD18			
RG18			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
57.0	37.89225365 N	105.92872105 W	7550.20
Unconfined Aquifer			

Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/9/2020	16.87	7533.33	RGWCD
2/7/2020	17.01	7533.19	RGWCD
3/4/2020	16.99	7533.21	RGWCD
4/9/2020	16.99	7533.21	RGWCD
5/6/2020	16.57	7533.63	RGWCD
6/8/2020	16.40	7533.80	RGWCD
7/7/2020	16.33	7533.87	RGWCD
8/5/2020	16.23	7533.97	RGWCD
9/11/2020	16.17	7534.03	RGWCD
10/6/2020	16.14	7534.06	RGWCD
11/2/2020	16.08	7534.12	RGWCD
12/4/2020	16.07	7534.13	RGWCD
1/12/2021	15.84	7534.36	RGWCD
2/8/2021	15.78	7534.42	RGWCD

USGS 375005106092501, NA04100701BAA, RGWCD21A

RG21A

Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
30.0	37.83507202 N	106.15675306 W	7636.36

Unconfined Aquifer

Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/3/2020	12.85	7623.51	RGWCD
2/7/2020	13.34	7623.02	RGWCD
3/4/2020	13.63	7622.73	RGWCD
4/7/2020	13.96	7622.40	RGWCD
5/5/2020	13.83	7622.53	RGWCD
6/8/2020	12.26	7624.10	RGWCD
7/5/2020	12.23	7624.13	RGWCD
8/5/2020	13.51	7622.85	RGWCD
9/11/2020	14.78	7621.58	RGWCD
10/7/2020	15.57	7620.79	RGWCD
11/5/2020	15.57	7620.79	RGWCD

12/4/2020	16.73	7619.63	RGWCD
1/8/2021	17.06	7619.30	RGWCD
2/8/2021	17.36	7619.00	RGWCD
USGS 375016106021201, NA04200931CCC2, RGWCD22			
RG22			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
27.0	37.83781084 N	106.03671275 W	7580.87
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/3/2020	20.21	7560.66	RGWCD
2/7/2020	19.84	7561.03	RGWCD
3/4/2020	19.63	7561.24	RGWCD
4/9/2020	19.53	7561.34	RGWCD
5/6/2020	20.04	7560.83	RGWCD
6/8/2020	21.22	7559.65	RGWCD
7/7/2020	23.13	7557.74	RGWCD
8/5/2020	24.17	7556.70	RGWCD
9/11/2020	No Measurement	-	RGWCD
10/6/2020	23.98	7556.89	RGWCD
11/5/2020	23.84	7557.03	RGWCD
12/4/2020	23.41	7557.46	RGWCD
1/8/2021	22.90	7557.97	RGWCD
2/8/2021	22.55	7558.32	RGWCD
USGS 375010105554302, NA04200936DDD2, RGWCD23A			
RG23A			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
56.0	37.8361106 N	105.9291867 W	7552.85
Unconfined Aquifer			

Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/9/2020	40.77	7512.08	RGWCD
2/7/2020	40.22	7512.63	RGWCD
3/4/2020	39.73	7513.12	RGWCD
4/9/2020	39.16	7513.69	RGWCD
5/6/2020	39.53	7513.32	RGWCD
6/8/2020	40.38	7512.47	RGWCD
7/7/2020	42.63	7510.22	RGWCD
8/5/2020	43.96	7508.89	RGWCD
9/11/2020	44.04	7508.81	RGWCD
10/6/2020	43.58	7509.27	RGWCD
11/2/2020	43.12	7509.73	RGWCD
12/24/2020	42.55	7510.30	RGWCD
1/12/2021	41.62	7511.23	RGWCD
1/0/1900	41.05	7511.80	RGWCD

USGS 375009105503001, NA04101002ABA, RGWCD24A

RG24A

Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
34.3	37.83712921 N	105.84191175 W	7535.80

Unconfined Aquifer

Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/9/2020	15.72	7520.08	RGWCD
2/7/2020	15.83	7519.97	RGWCD
3/4/2020	15.67	7520.13	RGWCD
4/9/2020	15.70	7520.10	RGWCD
5/6/2020	15.63	7520.17	RGWCD
6/8/2020	15.60	7520.20	RGWCD
7/7/2020	15.66	7520.14	RGWCD
8/5/2020	15.57	7520.23	RGWCD
9/11/2020	15.62	7520.18	RGWCD
10/7/2020	15.54	7520.26	RGWCD
11/5/2020	15.54	7520.26	RGWCD

12/4/2020	15.41	7520.39	RGWCD
1/12/2021	15.29	7520.51	RGWCD
2/9/2021	15.64	7520.16	RGWCD
USGS 374410105464701, NA04001109BBB, RGWCD27A			
RG27A			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
75.3	37.73608331 N	105.78032456 W	7537.22
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/9/2020	14.68	7522.54	RGWCD
2/7/2020	15.00	7522.22	RGWCD
3/4/2020	15.02	7522.20	RGWCD
4/9/2020	15.01	7522.21	RGWCD
5/7/2020	14.98	7522.24	RGWCD
6/8/2020	14.96	7522.26	RGWCD
7/8/2020	14.97	7522.25	RGWCD
8/5/2020	14.83	7522.39	RGWCD
9/11/2020	15.01	7522.21	RGWCD
10/7/2020	14.92	7522.30	RGWCD
11/5/2020	14.99	7522.23	RGWCD
12/4/2020	14.56	7522.66	RGWCD
1/12/2021	14.60	7522.62	RGWCD
2/9/2021	14.57	7522.65	RGWCD
USGS 374704105590002, NA04100921DAA, RGWCD28-1			
RG28-1			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
32.0	37.78448396 N	105.98354869 W	7579.49
Unconfined Aquifer			

Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/9/2020	31.32	7548.27	RGWCD
2/7/2020	31.63	7547.96	RGWCD
3/4/2020	32.15	7547.44	RGWCD
4/9/2020	32.12	7547.47	RGWCD
5/7/2020	32.82	7546.77	RGWCD
6/8/2020	32.37	7547.22	RGWCD
7/7/2020	33.36	7546.23	RGWCD
8/5/2020	33.78	7545.81	RGWCD
9/11/2020	No Measurement	-	RGWCD
10/9/2020	33.92	7545.67	RGWCD
11/5/2020	33.97	7545.62	RGWCD
12/4/2020	No Measurement	-	RGWCD
1/12/2021	33.77	7545.82	RGWCD
2/9/2021	33.85	7545.74	RGWCD
USGS 374505105554001, NA04100936DDA, RGWCD28A			
RG28A			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
53.0	37.75197957 N	105.92816372 W	7571.95
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/9/2020	35.83	7536.11	RGWCD
2/7/2020	35.78	7536.16	RGWCD
3/4/2020	35.64	7536.30	RGWCD
4/9/2020	35.55	7536.39	RGWCD
5/7/2020	35.85	7536.09	RGWCD
6/8/2020	36.04	7535.90	RGWCD
7/8/2020	37.39	7534.55	RGWCD
8/5/2020	38.42	7533.52	RGWCD
9/11/2020	39.32	7532.62	RGWCD

10/6/2020	39.50	7532.44	RGWCD
11/2/2020	39.69	7532.25	RGWCD
12/4/2020	39.46	7532.48	RGWCD
1/12/2021	39.21	7532.73	RGWCD
2/9/2021	39.06	7532.88	RGWCD
USGS 374446106022001, NA04000801AAD, RGWCD29			
RG29			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
25.0	37.74568511 N	106.03849378 W	7608.27
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/3/2020	Well Dry	-	RGWCD
2/5/2020	Well Dry	-	RGWCD
3/3/2020	Well Dry	-	RGWCD
4/7/2020	Well Dry	-	RGWCD
5/7/2020	Well Dry	-	RGWCD
6/8/2020	Well Dry	-	RGWCD
7/6/2020	Well Dry	-	RGWCD
8/5/2020	Well Dry	-	RGWCD
9/11/2020	Well Dry	-	RGWCD
10/6/2020	Well Dry	-	RGWCD
11/4/2020	Well Dry	-	RGWCD
12/4/2020	Well Dry	-	RGWCD
1/8/2021	Well Dry	-	RGWCD
2/9/2021	Well Dry	-	RGWCD
RGWCD29A			
RG29A			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
-	37.74810207 N	106.03860429 W	7608.95
Unconfined Aquifer			

Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/3/2020	30.95	7578.05	RGWCD
2/5/2020	30.75	7578.25	RGWCD
3/3/2020	30.49	7578.51	RGWCD
4/7/2020	29.95	7579.05	RGWCD
5/7/2020	30.00	7579.00	RGWCD
6/8/2020	29.49	7579.51	RGWCD
7/6/2020	31.87	7577.13	RGWCD
8/6/2020	33.91	7575.09	RGWCD
9/11/2020	35.13	7573.87	RGWCD
10/6/2020	34.83	7574.17	RGWCD
11/3/2020	34.44	7574.56	RGWCD
12/4/2020	33.81	7575.19	RGWCD
1/8/2021	33.09	7575.91	RGWCD
2/9/2021	32.89	7576.11	RGWCD

USGS 374736106053404, NA04100815CCC4, RGWCD29-1

RG29-1

Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
30.3	37.79492139 N	106.09337319 W	7622.47

Unconfined Aquifer

Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/3/2020	Well Dry	-	RGWCD
2/5/2020	Well Dry	-	RGWCD
3/4/2020	33.74	7588.73	RGWCD
4/7/2020	33.32	7589.15	RGWCD
5/6/2020	33.88	7588.59	RGWCD
6/8/2020	Well Dry	-	RGWCD
7/6/2020	Well Dry	-	RGWCD
8/5/2020	Well Dry	-	RGWCD
9/11/2020	Well Dry	-	RGWCD
10/6/2020	Well Dry	-	RGWCD
11/2/2020	Well Dry	-	RGWCD

12/4/2020	Well Dry	-	RGWCD
1/8/2021	Well Dry	-	RGWCD
2/9/2021	Well Dry	-	RGWCD
USGS 374455106085501, NA04100831CCC, RGWCD31			
RG31			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
73.0	37.74863225 N	106.14876475 W	7668.30
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/8/2020	32.17	7636.13	RGWCD
2/4/2020	33.06	7635.24	RGWCD
3/3/2020	33.77	7634.53	RGWCD
4/7/2020	34.53	7633.77	RGWCD
5/6/2020	35.21	7633.09	RGWCD
6/8/2020	No Measurement	-	RGWCD
7/8/2020	37.19	7631.11	RGWCD
8/6/2020	38.35	7629.95	RGWCD
9/11/2020	39.57	7628.73	RGWCD
10/6/2020	40.58	7627.72	RGWCD
11/3/2020	41.40	7626.90	RGWCD
12/4/2020	40.78	7627.52	RGWCD
1/8/2021	41.06	7627.24	RGWCD
2/8/2021	41.30	7627.00	RGWCD
USGS 374500106153401, NA04100636DDD, RGWCD33B			
RG33B			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
130.0	37.75035656 N	106.25933339 W	7755.58
Unconfined Aquifer			

Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/8/2020	76.09	7679.49	RGWCD
2/5/2020	75.54	7680.04	RGWCD
3/3/2020	75.19	7680.39	RGWCD
4/7/2020	75.10	7680.48	RGWCD
5/6/2020	76.05	7679.53	RGWCD
6/4/2020	77.00	7678.58	RGWCD
7/6/2020	78.76	7676.82	RGWCD
8/4/2020	78.61	7676.97	RGWCD
9/4/2020	79.41	7676.17	RGWCD
10/6/2020	78.82	7676.76	RGWCD
11/3/2020	78.52	7677.06	RGWCD
12/7/2020	78.44	7677.14	RGWCD
1/8/2021	78.14	7677.44	RGWCD
2/8/2021	78.00	7677.58	RGWCD

USGS 374046106163801, NA04000625CBC, RGWCD35

RG35

Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
48.0	37.67986113 N	106.27752283 W	7810.76

Unconfined Aquifer

Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/8/2020	Well Dry	-	RGWCD
2/5/2020	Well Dry	-	RGWCD
3/3/2020	Well Dry	-	RGWCD
4/7/2020	Well Dry	-	RGWCD
5/6/2020	Well Dry	-	RGWCD
6/4/2020	Well Dry	-	RGWCD
7/6/2020	Well Dry	-	RGWCD
8/4/2020	Well Dry	-	RGWCD
9/4/2020	Well Dry	-	RGWCD
10/6/2020	Well Dry	-	RGWCD
11/3/2020	Well Dry	-	RGWCD

12/7/2020	Well Dry	-	RGWCD
1/8/2021	Well Dry	-	RGWCD
2/8/2021	Well Dry	-	RGWCD
RGWCD35A			
RG35A			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
-	37.67984318 N	106.27752760 W	7811.09
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/8/2020	36.26	7774.84	RGWCD
2/5/2020	38.46	7772.64	RGWCD
3/3/2020	40.66	7770.44	RGWCD
4/7/2020	43.34	7767.76	RGWCD
5/6/2020	44.76	7766.34	RGWCD
6/4/2020	44.00	7767.10	RGWCD
7/6/2020	41.32	7769.78	RGWCD
8/4/2020	40.34	7770.76	RGWCD
9/4/2020	44.18	7766.92	RGWCD
10/6/2020	41.83	7769.27	RGWCD
11/3/2020	41.66	7769.44	RGWCD
12/7/2020	43.19	7767.91	RGWCD
1/8/2021	45.28	7765.82	RGWCD
2/8/2021	46.90	7764.20	RGWCD
USGS 373924106082501, NA03900806BCB, RGWCD37			
RG37			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
37.0	37.65664607 N	106.14877939 W	7683.30
Unconfined Aquifer			

Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/9/2020	28.59	7654.71	RGWCD
2/5/2020	28.86	7654.44	RGWCD
3/3/2020	29.11	7654.19	RGWCD
4/6/2020	29.38	7653.92	RGWCD
5/7/2020	30.71	7652.59	RGWCD
6/4/2020	31.65	7651.65	RGWCD
7/6/2020	34.57	7648.73	RGWCD
8/4/2020	36.45	7646.85	RGWCD
9/11/2020	36.91	7646.39	RGWCD
10/6/2020	36.40	7646.90	RGWCD
11/3/2020	35.77	7647.53	RGWCD
12/7/2020	35.34	7647.96	RGWCD
1/8/2021	34.90	7648.40	RGWCD
2/8/2021	34.71	7648.59	RGWCD

USGS 374210106053001, NA04000815CCC, RGWCD37-1

RG37-1

Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
100.0	37.70511497 N	106.09358614 W	7642.92

Unconfined Aquifer

Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/3/2020	32.09	7610.83	RGWCD
2/5/2020	31.75	7611.17	RGWCD
3/3/2020	31.61	7611.31	RGWCD
4/7/2020	31.59	7611.33	RGWCD
5/7/2020	32.06	7610.86	RGWCD
6/9/2020	32.07	7610.85	RGWCD
7/6/2020	35.11	7607.81	RGWCD
8/4/2020	37.03	7605.89	RGWCD
9/11/2020	36.74	7606.18	RGWCD
10/6/2020	36.35	7606.57	RGWCD
11/3/2020	36.40	7606.52	RGWCD

12/4/2020	36.14	7606.78	RGWCD
1/8/2021	35.76	7607.16	RGWCD
2/9/2021	35.65	7607.27	RGWCD
USGS 373944106022001, NA04000931CCC, RGWCD39			
RG39			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
28.0	37.66177691 N	106.03886731 W	7616.65
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/3/2020	22.77	7593.88	RGWCD
2/7/2020	22.37	7594.28	RGWCD
3/3/2020	22.18	7594.47	RGWCD
4/7/2020	22.02	7594.63	RGWCD
5/7/2020	22.83	7593.82	RGWCD
6/9/2020	21.20	7595.45	RGWCD
7/8/2020	25.36	7591.29	RGWCD
8/4/2020	26.63	7590.02	RGWCD
9/11/2020	26.59	7590.06	RGWCD
10/6/2020	26.31	7590.34	RGWCD
11/3/2020	26.19	7590.46	RGWCD
12/4/2020	25.92	7590.73	RGWCD
1/8/2021	25.44	7591.21	RGWCD
2/9/2021	25.14	7591.51	RGWCD
USGS 374220105585801, NA04000916DDD, RGWCD39-1			
RG39-1			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
29.2	37.70534055 N	105.98357822 W	7590.86
Unconfined Aquifer			

Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/3/2020	26.41	7564.45	RGWCD
2/5/2020	25.94	7564.92	RGWCD
3/3/2020	25.60	7565.26	RGWCD
4/7/2020	25.29	7565.57	RGWCD
5/7/2020	25.09	7565.77	RGWCD
6/9/2020	25.13	7565.73	RGWCD
7/7/2020	25.50	7565.36	RGWCD
8/12/2020	26.27	7564.59	RGWCD
9/11/2020	26.68	7564.18	RGWCD
10/6/2020	26.60	7564.26	RGWCD
11/3/2020	26.57	7564.29	RGWCD
12/4/2020	25.45	7565.41	RGWCD
1/12/2021	26.21	7564.65	RGWCD
2/9/2021	26.02	7564.84	RGWCD

USGS 373944105553701, NA03901006BBB, RGWCD40

RG40

Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
28.0	37.66183616 N	105.92740756 W	7575.14

Unconfined Aquifer

Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/10/2020	15.95	7559.19	RGWCD
2/7/2020	15.99	7559.15	RGWCD
3/3/2020	15.83	7559.31	RGWCD
4/9/2020	15.70	7559.44	RGWCD
5/7/2020	15.73	7559.41	RGWCD
6/9/2020	15.25	7559.89	RGWCD
7/7/2020	16.89	7558.25	RGWCD
8/4/2020	17.89	7557.25	RGWCD
9/11/2020	18.33	7556.81	RGWCD
10/7/2020	17.78	7557.36	RGWCD
11/3/2020	17.48	7557.66	RGWCD

12/7/2020	17.42	7557.72	RGWCD
1/12/2021	17.14	7558.00	RGWCD
2/9/2021	16.78	7558.36	RGWCD
USGS 373947105490701, NA03901106BBB, RGWCD41			
RG41			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
27.0	37.66237308 N	105.81863525 W	7542.08
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/10/2020	9.97	7532.11	RGWCD
2/7/2020	10.07	7532.01	RGWCD
3/2/2020	10.21	7531.87	RGWCD
4/6/2020	10.35	7531.73	RGWCD
5/4/2020	7.06	7535.02	RGWCD
6/8/2020	8.71	7533.37	RGWCD
7/7/2020	9.70	7532.38	RGWCD
8/4/2020	10.08	7532.00	RGWCD
9/8/2020	10.40	7531.68	RGWCD
10/7/2020	10.49	7531.59	RGWCD
11/2/2020	10.69	7531.39	RGWCD
12/2/2020	10.90	7531.18	RGWCD
1/6/2021	10.91	7531.17	RGWCD
2/4/2021	10.96	7531.12	RGWCD
USGS 373433105513201, NA03901034DDD, RGWCD49			
RG49			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
30.0	37.57517204 N	105.85856339 W	7548.69
Unconfined Aquifer			

Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/9/2020	7.57	7540.71	RGWCD
2/5/2020	7.60	7540.68	RGWCD
3/3/2020	7.63	7540.65	RGWCD
4/7/2020	7.67	7540.61	RGWCD
5/7/2020	7.69	7540.59	RGWCD
6/4/2020	7.62	7540.66	RGWCD
7/6/2020	7.75	7540.53	RGWCD
8/3/2020	7.92	7540.36	RGWCD
9/8/2020	8.10	7540.18	RGWCD
10/6/2020	7.95	7540.33	RGWCD
11/3/2020	7.97	7540.31	RGWCD
12/7/2020	8.01	7540.27	RGWCD
1/12/2021	7.89	7540.39	RGWCD
2/8/2021	7.91	7540.37	RGWCD
USGS 373429105554001, NA03901031CCC, RGWCD50A			
RG50A			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
25.0	37.57448259 N	105.92832561 W	7569.82
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/10/2019	15.52	7554.30	RGWCD
2/5/2020	15.43	7554.39	RGWCD
3/3/2020	15.34	7554.48	RGWCD
4/7/2020	15.24	7554.58	RGWCD
5/7/2020	15.15	7554.67	RGWCD
6/4/2020	15.14	7554.68	RGWCD
7/6/2020	15.48	7554.34	RGWCD
8/6/2020	15.64	7554.18	RGWCD
9/8/2020	15.69	7554.13	RGWCD
10/6/2020	15.88	7553.94	RGWCD
11/3/2020	15.94	7553.88	RGWCD

12/7/2020	15.93	7553.89	RGWCD
1/12/2021	15.61	7554.21	RGWCD
2/8/2021	15.46	7554.36	RGWCD
USGS 373704105593401, NA03900921BAA1, RGWCD50-1			
RG50-1			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
32.5	37.61788754 N	105.99401756 W	7594.77
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/3/2020	16.41	7578.36	RGWCD
2/5/2020	15.96	7578.81	RGWCD
3/3/2020	15.74	7579.03	RGWCD
4/7/2020	15.52	7579.25	RGWCD
5/7/2020	15.88	7578.89	RGWCD
6/4/2020	17.04	7577.73	RGWCD
7/6/2020	19.21	7575.56	RGWCD
8/4/2020	20.04	7574.73	RGWCD
9/8/2020	19.01	7575.76	RGWCD
10/6/2020	18.30	7576.47	RGWCD
11/3/2020	17.82	7576.95	RGWCD
12/7/2020	17.52	7577.25	RGWCD
1/20/2021	17.02	7577.75	RGWCD
2/8/2021	16.81	7577.96	RGWCD
USGS 373438106022101, NA03900931CCB, RGWCD51			
RG51			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
27.0	37.57691792 N	106.03893236 W	7602.3
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)

1/10/2020	5.48	7596.82	RGWCD
2/5/2020	5.52	7596.78	RGWCD
3/3/2020	5.81	7596.49	RGWCD
4/7/2020	5.89	7596.41	RGWCD
5/7/2020	5.08	7597.22	RGWCD
6/4/2020	4.71	7597.59	RGWCD
7/6/2020	6.04	7596.26	RGWCD
8/6/2020	6.07	7596.23	RGWCD
9/8/2020	6.40	7595.90	RGWCD
10/6/2020	6.36	7595.94	RGWCD
11/3/2020	6.04	7596.26	RGWCD
12/7/2020	6.28	7596.02	RGWCD
1/12/2021	5.90	7596.40	RGWCD
2/8/2021	5.94	7596.36	RGWCD

USGS 373705106051701, NA03900815CDC, RGWCD51-1

RG51-1

Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
30.0	37.61804315 N	106.08926406 W	7638.71

Unconfined Aquifer

Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/8/2020	9.47	7629.24	RGWCD
2/5/2020	9.74	7628.97	RGWCD
3/3/2020	9.93	7628.78	RGWCD
4/7/2020	10.13	7628.58	RGWCD
5/7/2020	8.51	7630.20	RGWCD
6/4/2020	7.38	7631.33	RGWCD
7/6/2020	10.46	7628.25	RGWCD
8/4/2020	12.09	7626.62	RGWCD
9/8/2020	13.67	7625.04	RGWCD
10/6/2020	13.40	7625.31	RGWCD
11/3/2020	13.46	7625.25	RGWCD
12/7/2020	13.35	7625.36	RGWCD
1/8/2021	13.25	7625.46	RGWCD
2/8/2021	13.28	7625.43	RGWCD

USGS 374030106020001, NA04000931BAB, RGWCD ALA 2			
ALA 2			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
415.0	37.67500094 N	106.03391380 W	7614.27
Confined Aquifer			
Date	Artesian Pressure Head Below Ground (ft.)*	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/21/2020	-10.62	7624.68	RGWCD
2/25/2020	-11.03	7625.09	RGWCD
3/26/2020	-9.49	7623.55	RGWCD
4/24/2020	-9.51	7623.57	RGWCD
5/19/2020	-8.50	7622.56	RGWCD
6/18/2020	-5.56	7619.62	RGWCD
7/21/2020	-3.95	7618.01	RGWCD
8/21/2020	-3.73	7617.79	RGWCD
9/22/2020	-3.01	7617.07	RGWCD
10/21/2020	-7.05	7621.11	RGWCD
11/18/2020	-7.51	7621.57	RGWCD
12/21/2020	-8.08	7622.14	RGWCD
1/30/2021	-8.47	7622.53	RGWCD
*Preliminary Measurement			
USGS 373457106003801, NA03900932BCC, RGWCD ALA10			
ALA 10			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
2084.0	37.58139100 N	106.02141390 W	7596.20
Confined Aquifer			
Date	Artesian Pressure Head Below Ground (ft.)*	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/22/2020	-18.39	7616.77	RGWCD

2/14/2020	-20.19	7618.57	RGWCD
3/30/2020	-20.24	7618.62	RGWCD
4/20/2020	-19.36	7617.74	RGWCD
5/19/2020	-16.62	7615.00	RGWCD
6/23/2020	-17.59	7615.97	RGWCD
7/21/2020	-15.03	7613.41	RGWCD
8/21/2020	-14.66	7613.04	RGWCD
9/22/2020	-13.97	7612.35	RGWCD
10/19/2020	-13.97	7612.35	RGWCD
11/18/2020	-14.47	7612.85	RGWCD
12/31/2020	No Measurement	-	RGWCD
1/30/2021	No Measurement	-	RGWCD
*Preliminary Measurement			
USGS 373748105511501, NA03901014BBC, RGWCD ALA 13			
ALA 13			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
2150.0	37.63000180 N	105.85474300 W	7551.8
Confined Aquifer			
Date	Artesian Pressure Head Below Ground (ft.)*	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/21/2020	-11.15	7566.48	RGWCD
2/13/2020	-11.37	7566.70	RGWCD
3/30/2020	-11.37	7566.70	RGWCD
4/27/2020	-10.38	7565.71	RGWCD
5/21/2020	No Measurement	-	RGWCD
6/18/2020	1.25	7554.08	RGWCD
7/17/2020	No Measurement	-	RGWCD
8/21/2020	No Measurement	-	RGWCD
9/21/2020	1.95	7553.38	RGWCD
10/18/2020	-1.79	7557.12	RGWCD
11/18/2020	-6.89	7562.22	RGWCD

12/31/2020	No Measurement	-	RGWCD
1/11/2021	-7.41	7562.74	RGWCD
*Preliminary Measurement			
USGS 373633106040901, NA03900823CAB, RGWCD RIO 3			
RIO 3			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
199.0	37.60916667 N	106.06916670 W	7629.37
Confined Aquifer			
Date	Artesian Pressure Head Below Ground (ft.)*	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/22/2020	No Measurement	-	RGWCD
2/14/2020	No Measurement	-	RGWCD
3/30/2020	No Measurement	-	RGWCD
4/20/2020	No Measurement	-	RGWCD
5/30/2020	No Measurement	-	RGWCD
6/30/2020	No Measurement	-	RGWCD
7/20/2020	No Measurement	-	RGWCD
8/20/2020	No Measurement	-	RGWCD
9/25/2020	No Measurement	-	RGWCD
11/25/2020	No Measurement	-	RGWCD
10/22/2020	No Measurement	-	RGWCD
12/18/2020	No Measurement	-	RGWCD
1/31/2021	No Measurement	-	RGWCD
*Preliminary Measurement			

USGS 373620106054001, NA03900821DDA, RGWCD RIO 4			
RIO 4			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
986.0	37.60555786 N	106.09502700 W	7636.44
Confined Aquifer			
Date	Artesian Pressure Head Below Ground (ft.)*	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/22/2020	-4.29	7641.57	RGWCD
2/14/2020	-4.17	7641.45	RGWCD
3/30/2020	-2.97	7640.25	RGWCD
4/20/2020	-3.33	7640.61	RGWCD
5/19/2020	-1.05	7638.33	RGWCD
6/18/2020	No Measurement	-	RGWCD
7/20/2020	No Measurement	-	RGWCD
8/20/2020	0.74	7636.54	RGWCD
9/22/2020	1.01	7636.27	RGWCD
10/15/2020	0.72	7636.56	RGWCD
11/18/2020	-0.07	7637.35	RGWCD
12/31/2020	No Measurement	-	RGWCD
1/30/2021	-1.11	7638.39	RGWCD
*Preliminary Measurement			
USGS 375035106105501, NA04200735BCC, RGWCD SAG 1			
SAG1			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
825.0	37.84305656 N	106.18252770 W	7651.62
Confined Aquifer			
Date	Artesian Pressure Head Below Ground	Water Level Elevation (ft. NAVD88)	Data Source(s)

	(ft.)*		
1/17/2020	28.22	7622.65	RGWCD
2/19/2020	25.48	7625.39	RGWCD
3/23/2020	25.14	7625.73	RGWCD
4/23/2020	27.3	7623.57	RGWCD
5/26/2020	No Measurement	-	RGWCD
6/24/2020	No Measurement	-	RGWCD
7/13/2020	35.72	7615.15	RGWCD
8/24/2020	No Measurement	-	RGWCD
9/16/2020	32.61	7618.26	RGWCD
10/16/2020	32.34	7618.53	RGWCD
11/13/2020	32.66	7618.21	RGWCD
12/17/2020	29.49	7621.38	RGWCD
1/20/2021	28.64	7622.23	RGWCD
*Preliminary Measurement			
USGS 375310106021501, NA04200907CCC, RGWCD SAG 2			
SAG 2			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
1987.0	37.73608331 N	105.78032456 W	7567.15
Confined Aquifer			
Date	Artesian Pressure Head Below Ground (ft.)*	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/21/2020	-40.443	7606.793	RGWCD
2/20/2020	-38.76	7605.11	RGWCD
3/26/2020	-40.57	7606.92	RGWCD
4/22/2020	-26.96	7593.31	RGWCD
5/22/2020	-24.74	7591.09	RGWCD
6/23/2020	-22.27	7588.62	RGWCD
7/17/2020	-20.55	7586.90	RGWCD
8/25/2020	-20.50	7586.85	RGWCD

9/17/2020	-20.21	7586.56	RGWCD
10/19/2020	-22.68	7589.03	RGWCD
11/16/2020	-34.39	7600.74	RGWCD
12/31/2020	No Measurement	-	RGWCD
1/18/2021	-38.46	7604.81	RGWCD
*Preliminary Measurement			
USGS 375155106021501, NA04200919CCC1, RGWCD SAG 4			
SAG 4			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
2301.0	37.86527760 N	106.03807770 W	7572.18
Confined Aquifer			
Date	Artesian Pressure Head Below Ground (ft.)*	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/21/2020	-41.822	7616.14	RGWCD
2/20/2020	-41.60	7615.92	RGWCD
3/26/2020	No Measurement	-	RGWCD
4/22/2020	-39.34	7613.66	RGWCD
5/22/2020	-36.75	7611.07	RGWCD
6/23/2020	-33.00	7607.32	RGWCD
7/17/2020	-26.17	7600.49	RGWCD
8/25/2020	-32.2	7606.52	RGWCD
9/17/2020	-30.847	7605.17	RGWCD
10/19/2020	-36.36	7610.68	RGWCD
11/16/2020	-37.13	7611.45	RGWCD
12/31/2020	No Measurement	-	RGWCD
1/18/2021	-40.50	7614.82	RGWCD
*Preliminary Measurement			
USGS 375154106102501, NA04200723CDD, RGWCD SAG 6			
SAG 6			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)

120.0	37.86500084 N	106.17419380 W	7634.59
Confined Aquifer			
Date	Artesian Pressure Head Below Ground (ft.)*	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/17/2020	12.73	7622.58	RGWCD
2/19/2020	12.51	7622.80	RGWCD
3/21/2020	12.39	7622.92	RGWCD
4/23/2020	14.37	7620.94	RGWCD
5/25/2020	No Measurement	-	RGWCD
6/24/2020	No Measurement	-	RGWCD
7/13/2020	No Measurement	-	RGWCD
8/24/2020	No Measurement	-	RGWCD
9/16/2020	No Measurement	-	RGWCD
10/16/2020	18.91	7616.40	RGWCD
11/13/2020	17.80	7617.51	RGWCD
12/17/2020	16.50	7618.81	RGWCD
1/20/2021	16.41	7618.90	RGWCD
*Preliminary Measurement			
USGS 375255106084401, NA04200818CCB, RGWCD SAG 9			
SAG 9			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
900.0	37.88194500 N	106.14613690 W	7609.52
Confined Aquifer			
Date	Artesian Pressure Head Below Ground (ft.)*	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/17/2020	-6.88	7617.78	RGWCD
2/19/2020	-8.11	7619.01	RGWCD
3/24/2020	-6.6	7617.50	RGWCD

4/23/2020	-4.35	7615.25	RGWCD
5/26/2020	-0.42	7611.32	RGWCD
6/24/2020	No Measurement	-	RGWCD
7/13/2020	No Measurement	-	RGWCD
8/24/2020	3.41	7607.49	RGWCD
9/16/2020	0.12	7610.78	RGWCD
10/16/2020	-0.72	7611.62	RGWCD
11/13/2020	-1.76	7612.66	RGWCD
12/22/2020	-4.41	7615.31	RGWCD
1/30/2021	No Measurement	-	RGWCD
*Preliminary Measurement			
USGS 375310106050001, NA04200815ACC, RGWCD SAG 10			
SAG 10			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
2087.0	37.88638899 N	106.08196780 W	7584.32
Confined Aquifer			
Date	Artesian Pressure Head Below Ground (ft.)*	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/17/2020	-31.25	7615.74	RGWCD
2/19/2020	-31.28	7615.77	RGWCD
3/24/2020	-29.95	7614.44	RGWCD
4/23/2020	-27.04	7611.53	RGWCD
5/26/2020	-21.46	7605.95	RGWCD
6/24/2020	-19.53	7604.02	RGWCD
7/13/2020	-18.87	7603.36	RGWCD
8/24/2020	-17.96	7602.45	RGWCD
9/16/2020	-19.59	7604.08	RGWCD
10/16/2020	-23.33	7607.82	RGWCD
11/13/2020	-24.45	7608.94	RGWCD
12/22/2020	-28.75	7613.24	RGWCD
1/30/2021	No Measurement	-	RGWCD

*Preliminary Measurement			
USGS 375009106021001, NA04200931CCC, RGWCD SAG 11			
SAG 11			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
1350.0	37.83583318 N	106.03668950 W	7582.21
Confined Aquifer			
Date	Artesian Pressure Head Below Ground (ft.)*	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/21/2020	-26.51	7607.72	RGWCD
2/21/2020	-28.50	7609.71	RGWCD
3/26/2020	-30.13	7611.34	RGWCD
4/22/2020	-26.93	7608.14	RGWCD
5/22/2020	-24.93	7606.14	RGWCD
6/23/2020	-23.05	7604.26	RGWCD
7/17/2020	-21.63	7602.84	RGWCD
8/25/2020	-20.10	7601.31	RGWCD
9/17/2020	-20.31	7601.52	RGWCD
10/19/2020	-21.89	7603.10	RGWCD
11/16/2020	-26.59	7607.80	RGWCD
12/31/2020	No Measurement	-	RGWCD
1/18/2021	-29.09	7610.30	RGWCD
*Preliminary Measurement			
USGS 374915106013001, NA04100906DCD, RGWCD SAG 17			
SAG 17			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
700.0	37.82111088 N	106.02557830 W	7583.18
Confined Aquifer			
Date	Artesian Pressure Head Below Ground (ft.)*	Water Level Elevation (ft. NAVD88)	Data Source(s)

1/21/2020	-21.10	7604.23	RGWCD
2/20/2020	-20.35	7603.48	RGWCD
3/26/2020	-22.85	7605.98	RGWCD
4/22/2020	-25.87	7609.00	RGWCD
5/22/2020	-23.11	7606.24	RGWCD
6/23/2020	-18.78	7601.91	RGWCD
7/17/2020	-17.77	7600.90	RGWCD
8/25/2020	-18.88	7602.01	RGWCD
9/17/2020	-19.04	7602.17	RGWCD
10/16/2020	-20.25	7603.38	RGWCD
11/16/2020	-21.35	7604.48	RGWCD
12/22/2020	-22.70	7605.83	RGWCD
1/18/2021	-23.17	7606.30	RGWCD
*Preliminary Measurement			

USGS 373450105592901, NA03900933ABA			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
86.0	37.58871896 N	105.98975942 W	7593.61
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/30/2017	10.29	7583.32	USGS
1/30/2018	8.6	7585.01	USGS
1/15/2019	10.92	7582.69	USGS
1/15/2020	7.64	7585.97	USGS
USGS 373820105541501, NA03901008ABB			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
104.0	37.64725136 N	105.90088300 W	7567.84
Confined Aquifer			

Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/30/2017	11.43	7556.41	USGS
1/30/2018	11.24	7556.6	USGS
1/15/2019	14.77	7553.07	USGS
1/15/2020	10.86	7556.98	USGS
USGS 373855105490901, NA03901001DDD1			
EW-32U			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
45.0	37.64852484 N	105.81991496 W	7542.15
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/15/2020	7.04	7535.11	USBR
2/15/2020	7.04	7535.11	USBR
3/15/2020	6.98	7535.17	USBR
4/15/2020	6.93	7535.22	USBR
5/15/2020	6.88	7535.27	USBR
6/15/2020	7.12	7535.03	USBR
7/15/2020	7.32	7534.83	USBR
8/16/2020	7.45	7534.70	USBR
9/15/2020	7.28	7534.87	USBR
10/15/2020	7.18	7534.97	USBR
11/15/2020	7.16	7534.99	USBR
12/15/2020	7.10	7535.05	USBR
1/15/2021	7.10	7535.05	USBR
2/15/2021	7.10	7535.05	USBR
USGS 373855105490902, NA03901001DDD2			
EW-32C			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
200.0	37.64852484 N	105.81991496 W	7542.15

Confined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/15/2020	8.04	7534.11	USBR
2/15/2020	7.86	7534.29	USBR
3/15/2020	7.65	7534.50	USBR
4/15/2020	7.57	7534.58	USBR
5/15/2020	9.31	7532.84	USBR
6/15/2020	9.80	7532.35	USBR
7/15/2020	10.22	7531.93	USBR
8/16/2020	10.64	7531.51	USBR
9/15/2020	9.60	7532.55	USBR
10/15/2020	9.28	7532.87	USBR
11/15/2020	9.02	7533.13	USBR
12/15/2020	8.68	7533.47	USBR
1/15/2021	8.46	7533.69	USBR
2/15/2021	8.28	7533.87	USBR
USGS 373950105534001, NA04001033BCB			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
135.0	37.67158430 N	105.89138270 W	7562.85
Confined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/30/2017	12.42	7550.43	USGS
1/30/2018	12.44	7550.41	USGS
1/15/2019	15.37	7547.48	USGS
1/15/2020	12.36	7550.49	USGS
USGS 374002106021401, NA04000931BBC			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
86.0	37.67227880 N	106.03871950 W	7616.29

Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/30/2017	24.66	7591.63	USGS
1/30/2018	22.79	7593.5	USGS
1/15/2019	26.47	7589.82	USGS
1/15/2020	23.35	7592.94	USGS
USGS 374110105565501, NA04000924CCC			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
62.0	37.69111165 N	105.94621710 W	7579.96
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/21/2016	No Measurement	-	USGS
USGS 374224105493901, NA04001024BAA1			
EW-33U			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
45.0	37.70649518 N	105.82779667 W	7545.29
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/15/2020	22.64	7522.65	USBR
2/15/2020	22.45	7522.84	USBR
3/15/2020	22.31	7522.98	USBR
4/15/2020	22.17	7523.12	USBR
5/15/2020	22.17	7523.12	USBR
6/15/2020	22.31	7522.98	USBR
7/10/2020	22.68	7522.61	USBR

7/15/2020	22.76	7522.53	USBR
8/15/2020	23.14	7522.15	USBR
9/15/2020	23.24	7522.05	USBR
10/15/2020	23.14	7522.15	USBR
11/15/2020	22.94	7522.35	USBR
12/15/2020	22.80	7522.49	USBR
1/15/2021	22.64	7522.65	USBR
2/15/2021	22.46	7522.83	USBR
USGS 374224105493902, NA04001024BAA2			
EW-33C			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
152.0	37.70649518 N	105.82779667 W	7545.29
Confined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/15/2020	20.93	7524.36	USBR
2/15/2020	20.77	7524.52	USBR
3/15/2020	20.62	7524.67	USBR
4/15/2020	20.86	7524.43	USBR
5/15/2020	21.75	7523.54	USBR
6/15/2020	25.47	7519.82	USBR
7/10/2020	31.92	7513.37	USBR
7/15/2020	30.02	7515.27	USBR
8/15/2020	28.14	7517.15	USBR
9/15/2020	22.93	7522.36	USBR
10/15/2020	22.51	7522.78	USBR
11/15/2020	21.88	7523.41	USBR
12/15/2020	21.36	7523.93	USBR
1/15/2021	21.18	7523.93	USBR
2/15/2021	21.08	7524.11	USBR
USGS 374315105513001, NA04001011CBB			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)

84.0	37.72800006 N	105.85457610 W	7550.86
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/21/2016	No Measurement	-	USGS
USGS 374407105511601, NA04001010AAA1			
EW-35U			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
45.0	37.73525282 N	105.85502763 W	7548.76
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/15/2020	18.74	7530.02	USBR
2/15/2020	18.58	7530.18	USBR
3/15/2020	18.50	7530.26	USBR
4/15/2020	18.52	7530.24	USBR
5/15/2020	18.85	7529.91	USBR
6/15/2020	18.92	7529.84	USBR
7/11/2020	19.74	7529.02	USBR
7/15/2020	19.86	7528.90	USBR
8/15/2020	20.62	7528.14	USBR
9/15/2020	20.88	7527.88	USBR
10/15/2020	20.79	7527.97	USBR
11/15/2020	20.61	7528.15	USBR
12/15/2020	20.39	7528.37	USBR
1/15/2021	20.25	7528.51	USBR
2/15/2021	20.11	7528.65	USBR
USGS 374407105511602, NA04001010AAA2			
EW-35C			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)

130.0	37.73525282 N	105.85502763 W	7548.76
Confined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/15/2020	18.49	7530.27	USBR
2/15/2020	18.42	7530.34	USBR
3/15/2020	18.4	7530.36	USBR
4/15/2020	19.38	7529.38	USBR
5/15/2020	20.09	7528.67	USBR
6/15/2020	25.71	7523.05	USBR
7/11/2020	31.98	7516.78	USBR
7/15/2020	31.53	7517.23	USBR
8/15/2020	29.27	7519.49	USBR
9/15/2020	21.31	7527.45	USBR
10/15/2020	21.86	7526.90	USBR
11/15/2020	20.38	7528.38	USBR
12/15/2020	20.1	7528.66	USBR
1/15/2021	20.0	7528.76	USBR
2/15/2021	19.89	7528.87	USBR
USGS 373640106032002, NA03900824BBB2			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
77.0	37.61727967 N	106.05749800 W	7623.34
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
2/1/2017	15.24	7608.1	USGS
2/7/2018	12.73	7610.61	USGS
2/8/2019	18.57	7604.77	USGS
2/3/2020	14.80	7608.54	USGS
USGS 373828106071502, NA03900808ABB2			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft.)

			NAVD88)
54.0	37.64708002 N	106.12105186 W	7660.77
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
2/1/2017	22.50	7638.27	USGS
2/7/2018	19.10	7641.67	USGS
2/7/2019	25.34	7635.43	USGS
2/3/2020	22.18	7638.59	USGS
USGS 373830106094001, NA03900712BAB			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
42396.0	26.59	7667.79	USGS
43159.0	23.51	7670.87	USGS
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/27/2016	26.59	7667.79	USGS
3/29/2017	24.75	7669.63	Divide Study
2/7/2018	20.99	7673.39	USGS
2/28/2018	23.51	7670.87	USGS
2/7/2019	32.06	7662.32	USGS
2/3/2020	30.01	7664.37	USGS
USGS 373920106113001, NA03900703ABB			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
100.0	37.66029452 N	106.19497384 W	7726.4
Unconfined Aquifer			

Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
2/1/2017	33.49	7692.91	USGS
2/7/2018	31.25	7695.15	USGS
2/7/2019	44.07	7682.33	USGS
2/3/2020	34.76	7691.64	USGS
USGS 373924106084801, NA03900806BBB			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
14.0	37.66108539 N	106.14822280 W	7684.6
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
2/1/2017	12.47	7672.13	USGS
2/7/2018	12.39	7672.21	USGS
2/7/2019	12.60	7672.00	USGS
2/3/2020	12.16	7672.44	USGS
USGS 374032106060202, NA04000828DBB2			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
42767.0	32.63	7618.87	USGS
43138.0	28.15	7623.35	USGS
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/27/2016	34.65	7616.85	USGS
2/1/2017	32.63	7618.87	USGS
2/7/2018	28.15	7623.35	USGS
2/7/2019	34.23	7617.27	USGS
2/3/2020	30.77	7620.73	USGS

USGS 374245106025501, NA04000813ABB1			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
60.0	37.71902825 N	106.04766400 W	7616.34
Unconfined Aquifer			
	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
Date			
2/1/2017	28.05	7588.29	USGS
2/7/2018	27.45	7589.29	USGS
2/7/2019	30.72	7585.62	USGS
2/3/2020	26.92	7589.42	USGS
USGS 374305106163701, NA04000614AAA			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
21.0	37.7191413	106.279449	7798.67
Unconfined Aquifer			
	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
Date			
1/30/2013	20.52	7778.15	USGS
2/1/2017	20.8	7777.87	USGS
USGS 374350106025001, NA04000801DCC			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
70.0	37.73397250 N	106.04746950 W	7616.35
Unconfined Aquifer			
	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
Date			
2/1/2017	27.83	7588.52	USGS
2/7/2018	28.02	7588.33	USGS
2/7/2019	31.22	7585.13	USGS

2/3/2020	28.49	7587.86	USGS
USGS 374415106063002, NA04000804BCC2			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
90.0	37.74166749 N	106.11188800 W	7645.53
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
2/1/2017	39.71	7605.82	USGS
2/7/2018	37.76	7607.77	USGS
2/7/2019	41.53	7604.00	USGS
2/3/2020	36.69	7608.84	USGS
USGS 374549105540201, NA04101032ABB1			
EW-40U			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
45.0	37.76367186 N	105.90050172 W	7555.25
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/15/2020	28.87	7526.38	USBR
2/15/2020	28.73	7526.52	USBR
3/15/2020	28.56	7526.69	USBR
4/15/2020	28.47	7526.78	USBR
5/15/2020	28.53	7526.72	USBR
6/15/2020	28.42	7526.83	USBR
7/15/2020	29.12	7526.13	USBR
8/15/2020	29.80	7525.45	USBR
8/22/2020	29.92	7525.33	USBR
9/15/2020	30.10	7525.15	USBR
10/15/2020	29.99	7525.26	USBR
11/15/2020	29.96	7525.29	USBR
12/15/2020	29.76	7525.49	USBR

1/15/2021	29.55	7525.70	USBR
2/15/2021	29.34	7525.91	USBR
USGS 374549105540202, NA04101032ABB2			
EW-40C			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
140.0	37.76367186 N	105.90050172 W	7555.25
Confined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/15/2020	28.38	7526.87	USBR
2/15/2020	28.14	7527.11	USBR
3/15/2020	27.94	7527.31	USBR
4/15/2020	28.01	7527.24	USBR
5/15/2020	28.41	7526.84	USBR
6/15/2020	28.98	7526.27	USBR
7/15/2020	35.07	7520.18	USBR
8/15/2020	37.13	7518.12	USBR
8/22/2020	37.61	7517.64	USBR
9/15/2020	30.46	7524.79	USBR
10/15/2020	32.08	7523.17	USBR
11/15/2020	29.75	7525.50	USBR
12/15/2020	29.37	7525.88	USBR
1/15/2021	29.13	7526.12	USBR
2/15/2021	28.96	7526.29	USBR
USGS 374630106010501, NA04100920CCC			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
112.0	37.77838865 N	106.02046800 W	7591.21
Confined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
2/1/2017	28.59	7562.62	USGS

2/1/2018	29.54	7561.67	USGS
2/7/2019	33.36	7557.85	USGS
2/4/2020	33.00	7558.21	USGS
USGS 374725106053003, NA04100815CCC3			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
95.0	37.79202820 N	106.09330340 W	7622.46
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
2/1/2017	32.93	7589.53	USGS
2/1/2018	32.44	7590.02	USGS
2/7/2019	35.71	7586.75	USGS
2/4/2020	33.33	7589.13	USGS
USGS 374734105543501, NA04101018DDD1			
EW-41U			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
45.0	37.79284300 N	105.91032426 W	7554.95
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/15/2020	35.07	7519.88	USBR
2/15/2020	34.74	7520.21	USBR
3/15/2020	34.47	7520.48	USBR
4/15/2020	34.22	7520.73	USBR
5/15/2020	34.20	7520.75	USBR
6/15/2020	34.59	7520.36	USBR
7/15/2020	35.52	7519.43	USBR
8/15/2020	36.51	7518.44	USBR
8/17/2020	36.59	7518.36	USBR
9/15/2020	36.84	7518.11	USBR
10/15/2020	36.85	7518.10	USBR

11/15/2020	36.66	7518.29	USBR
12/15/2020	36.49	7518.46	USBR
1/15/2021	36.28	7518.67	USBR
2/15/2021	36.04	7518.91	USBR
USGS 374734105543502, NA04101018DDD2			
EW-41C			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
	37.79284300 N	105.91032426 W	7554.95
Confined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/15/2020	34.35	7520.60	USBR
2/15/2020	34.05	7520.90	USBR
3/15/2020	33.80	7521.15	USBR
4/15/2020	33.56	7521.39	USBR
5/15/2020	34.10	7520.85	USBR
6/15/2020	36.17	7518.78	USBR
7/15/2020	36.89	7518.06	USBR
8/15/2020	37.35	7517.60	USBR
8/17/2020	39.15	7515.80	USBR
9/15/2020	36.51	7518.44	USBR
10/15/2020	36.22	7518.73	USBR
11/15/2020	35.93	7519.02	USBR
12/15/2020	35.74	7519.21	USBR
1/15/2021	35.44	7519.51	USBR
2/15/2021	35.28	7519.67	USBR
USGS 374918105561401, NA04100901DCD1			
EW-48U			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
45.0	37.82160275 N	105.93785390 W	7559.88
Unconfined Aquifer			

Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/15/2020	42.50	7517.38	USBR
2/15/2020	42.28	7517.60	USBR
3/15/2020	42.07	7517.81	USBR
4/15/2020	41.91	7517.97	USBR
5/15/2020	42.15	7517.73	USBR
6/15/2020	42.38	7517.50	USBR
7/15/2020	42.89	7516.99	USBR
8/15/2020	43.44	7516.44	USBR
9/15/2020	43.91	7515.97	USBR
10/15/2020	44.10	7515.78	USBR
11/15/2020	44.07	7515.81	USBR
12/15/2020	43.87	7516.01	USBR
1/15/2021	43.68	7516.20	USBR
2/15/2021	43.41	7516.47	USBR

USGS 374918105561402, NA04100901DCD2

EW-48C

Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
120.0	37.82160275 N	105.93785390 W	7559.88

Confined Aquifer

Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/15/2020	42.20	7517.68	USBR
2/15/2020	41.93	7517.95	USBR
3/15/2020	41.69	7518.19	USBR
4/15/2020	41.62	7518.26	USBR
5/15/2020	41.90	7517.98	USBR
6/15/2020	42.70	7517.18	USBR
7/15/2020	43.00	7516.88	USBR
8/15/2020	44.08	7515.8	USBR
9/15/2020	44.23	7515.65	USBR
10/15/2020	44.29	7515.59	USBR
11/15/2020	43.89	7515.99	USBR

12/15/2020	43.61	7516.27	USBR
1/15/2021	43.30	7516.58	USBR
2/15/2021	42.97	7516.91	USBR
USGS 375011105575401, NA04200934DDD1			
EW-49U			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
45.0	37.83609425 N	105.96537466 W	7560.23
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/15/2020	28.89	7531.34	USBR
2/15/2020	28.63	7531.60	USBR
3/15/2020	28.40	7531.83	USBR
4/15/2020	28.19	7532.04	USBR
5/15/2020	28.36	7531.87	USBR
6/15/2020	28.91	7531.32	USBR
7/15/2020	29.76	7530.47	USBR
8/15/2020	30.32	7529.91	USBR
8/26/2020	30.40	7529.83	USBR
9/15/2020	30.49	7529.74	USBR
10/15/2020	30.34	7529.89	USBR
11/15/2020	30.03	7530.20	USBR
12/15/2020	29.71	7530.52	USBR
1/15/2021	29.43	7530.80	USBR
2/15/2021	29.18	7531.05	USBR
USGS 375011105575402, NA04200934DDD2			
EW-49C			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
120.0	37.83609425 N	105.96537466 W	7560.23
Confined Aquifer			

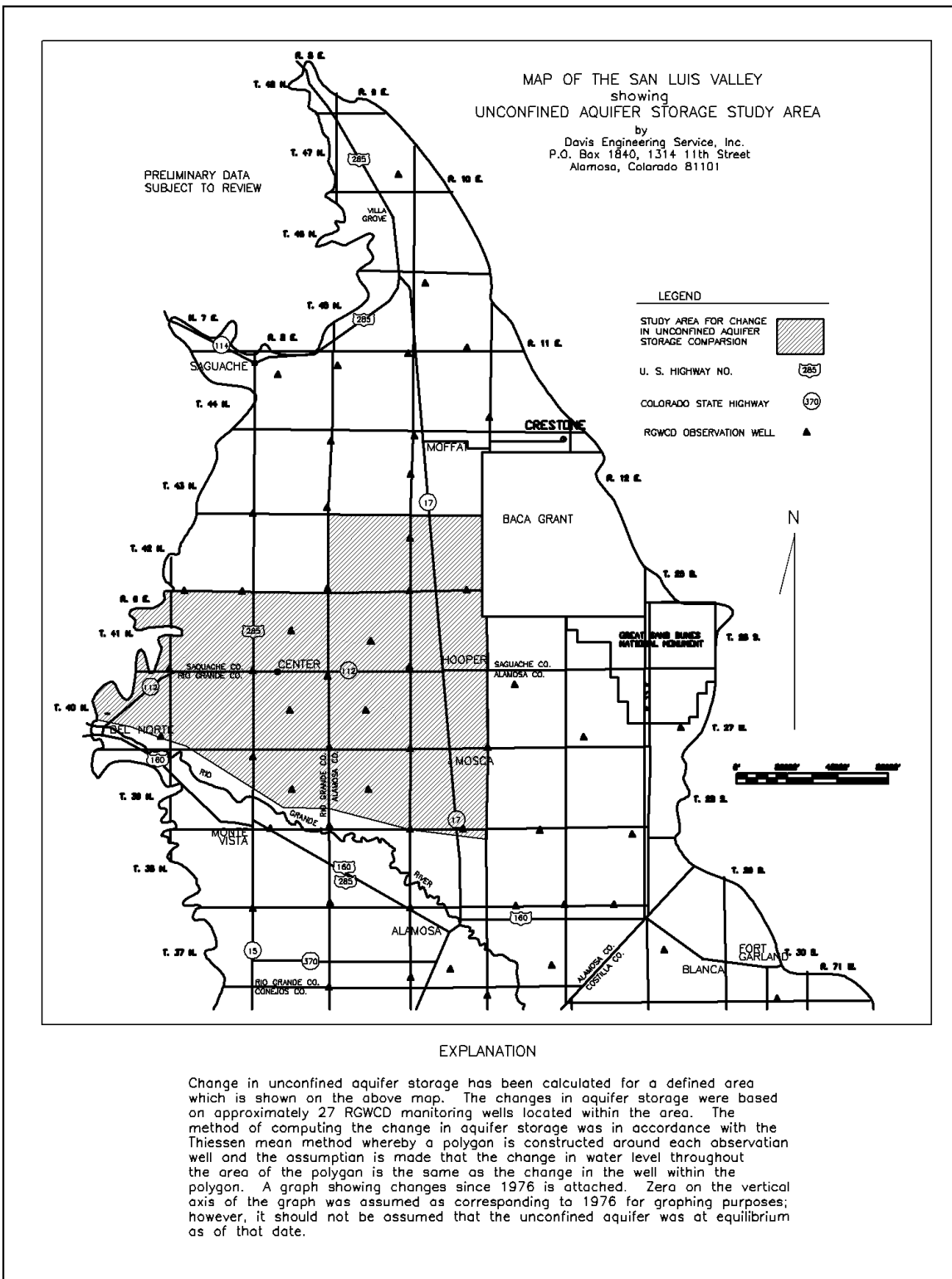
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/15/2020	28.85	7531.38	USBR
2/15/2020	28.58	7531.65	USBR
3/15/2020	28.36	7531.87	USBR
4/15/2020	28.25	7531.98	USBR
5/15/2020	28.55	7531.68	USBR
6/15/2020	29.42	7530.81	USBR
7/15/2020	30.20	7530.03	USBR
8/15/2020	30.73	7529.50	USBR
8/26/2020	31.22	7529.01	USBR
9/15/2020	30.79	7529.44	USBR
10/15/2020	30.28	7529.95	USBR
11/15/2020	29.93	7530.30	USBR
12/15/2020	29.65	7530.58	USBR
1/15/2021	29.4	7530.83	USBR
2/15/2021	29.18	7531.05	USBR
USGS 375100105554201, NA04200936AAA1			
EW-50U			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
45.0	37.85032119 N	105.92892777 W	7550.93
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/15/2020	32.97	7517.96	USBR
2/15/2020	32.74	7518.19	USBR
3/15/2020	32.53	7518.4	USBR
4/15/2020	32.30	7518.63	USBR
5/15/2020	32.36	7518.57	USBR
6/15/2020	32.56	7518.37	USBR
7/13/2020	33.11	7517.82	USBR
7/15/2020	33.08	7517.85	USBR
8/15/2020	33.68	7517.25	USBR
9/15/2020	34.02	7516.91	USBR

10/15/2020	34.25	7516.68	USBR
11/15/2020	34.18	7516.75	USBR
12/15/2020	33.82	7517.11	USBR
1/15/2021	33.60	7517.33	USBR
2/15/2021	33.37	7517.56	USBR
USGS 375100105554202, NA04200936AAA2			
EW-50C			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
123.0	37.85032119 N	105.92892777 W	7550.93
Confined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/15/2020	31.14	7519.79	USBR
2/15/2020	30.82	7520.11	USBR
3/15/2020	30.56	7520.37	USBR
4/15/2020	30.56	7520.37	USBR
5/15/2020	34.39	7516.54	USBR
6/15/2020	35.27	7515.66	USBR
7/13/2020	42.24	7508.69	USBR
7/15/2020	40.68	7510.25	USBR
8/15/2020	38.47	7512.46	USBR
9/15/2020	33.24	7517.69	USBR
10/15/2020	32.72	7518.21	USBR
11/15/2020	32.33	7518.6	USBR
12/15/2020	31.93	7519	USBR
1/15/2021	31.64	7519.29	USBR
2/15/2021	31.31	7519.62	USBR
USGS 375155106105501, NA04200723CCC			
Well Depth (ft.)	Latitude (NAD83)	Longitude (NAD83)	Ground Elevation (ft. NAVD88)
130.0	37.86658420 N	106.18291630 W	7645.61
Confined Aquifer			

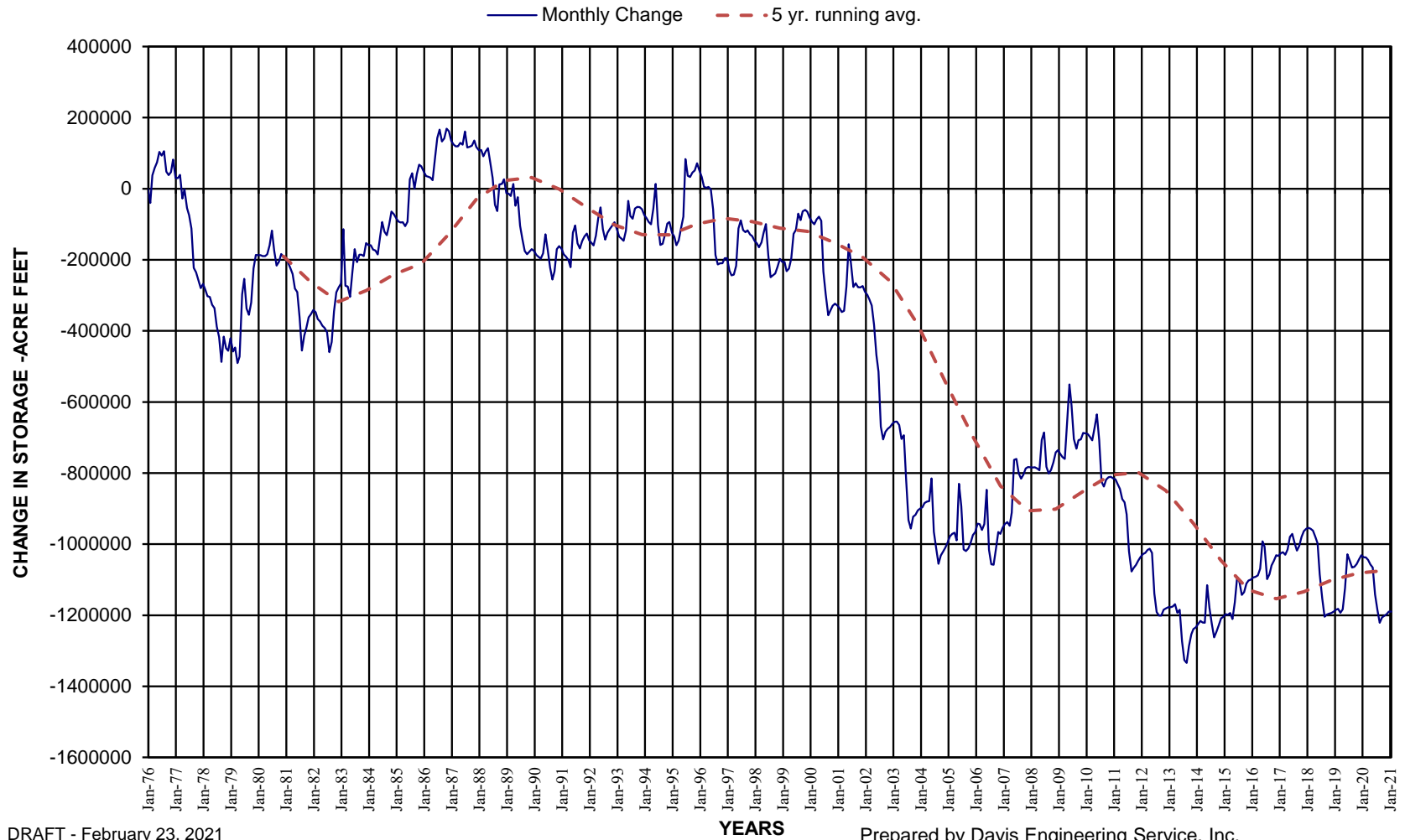
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
2/1/2017	20.6	7625.01	USGS
2/7/2018	20.44	7625.17	USGS
2/7/2019	25.90	7619.71	USGS
2/4/2020	22.91	7622.70	USGS

APPENDIX E

MAP SHOWING STUDY AREA OF CHANGE IN UNCONFINED AQUIFER STORAGE STUDY AND SPREADSHEET CONTAINING CALCULATIONS



CHANGE IN UNCONFINED AQUIFER STORAGE WEST CENTRAL SAN LUIS VALLEY



DRAFT - February 23, 2021
Data through February 9, 2021

Prepared by Davis Engineering Service, Inc,
For Rio Grande Water Conservation Dist.

CHANGE IN UNCONFINED AQUIFER STORAGE					
NORTH CENTRAL SAN LUIS VALLEY					
Prepared by	Davis Engineering Service, Inc.				
	1314 11th Street, P.O. Box 1840				
	Alamosa, CO 81101			Average	5 yr. Running
				Annual	Average
	Monthly	Accumulated		Accumulated	Accumulated
	Change in	Change in		Change in	Change in
	Storage	Storage		Storage	Storage
Date	(acre-feet)	(acre-feet)	Date	(acre-feet)	(acre-feet)
01/01/76	0	0			
02/01/76	-39999.276	-39999.276			
03/01/76	77786.084	37786.808			
04/01/76	20613.124	58399.932			
05/01/76	16171.628	74571.56			
06/01/76	29018.556	103590.116			
07/01/76	-10429.246	93160.87			
08/01/76	12474.802	105635.672			
09/01/76	-57446.136	48189.536			
10/01/76	-9835.47	38354.066			
11/01/76	8742.436	47096.502			
12/01/76	34926.408	82022.91	12/1/1976	54067.39133	
01/01/77	-52330.194	29692.716			
02/01/77	0	29692.716			
03/01/77	9337.002	39029.718			
04/01/77	-66606.56	-27576.842			
05/01/77	26280.85	-1295.992			
06/01/77	-52715.472	-54011.464			
07/01/77	-20396.064	-74407.528			
08/01/77	-37527.502	-111935.03			
09/01/77	-111073.584	-223008.614			
10/01/77	-12109.48	-235118.094			
11/01/77	-22296.448	-257414.542			
12/01/77	-22198.364	-279612.906	12/1/1977	-97163.8218	
01/01/78	11784.074	-267828.832			
02/01/78	-17151.566	-284980.398			
03/01/78	-17203.476	-302183.874			
04/01/78	-2323.652	-304507.526			
05/01/78	-21920.32	-326427.846			
06/01/78	-9347.856	-335775.702			
07/01/78	-52068.002	-387843.704			
08/01/78	-29730.556	-417574.26			
09/01/78	-69355.032	-486929.292			

10/01/78	70963.206	-415966.086			
11/01/78	-32996.292	-448962.378			
12/01/78	-6739.94	-455702.318	12/1/1978	-369556.851	
01/01/79	35070.348	-420631.97			
02/01/79	-37063.722	-457695.692			
03/01/79	10822.172	-446873.52			
04/01/79	-43430.268	-490303.788			
05/01/79	18146.524	-472157.264			
06/01/79	174935.972	-297221.292			
07/01/79	43871.13	-253350.162			
08/01/79	-83674.482	-337024.644			
09/01/79	-17664.49	-354689.134			
10/01/79	34505.808	-320183.326			
11/01/79	96283.002	-223900.324			
12/01/79	37433.586	-186466.738	12/1/1979	-355041.488	
01/01/80	-575.412	-187042.15			
02/01/80	223.534	-186818.616			
03/01/80	-2898.886	-189717.502			
04/01/80	500.468	-189217.034			
05/01/80	5219.844	-183997.19			
06/01/80	24746.942	-159250.248			
07/01/80	41387.2912	-117862.9568			
08/01/80	-57314.9712	-175177.928			
09/01/80	-41247.856	-216425.784			
10/01/80	10814.362	-205611.422			
11/01/80	22176.9	-183434.522			
12/01/80	-9707.036	-193141.558	12/1/1980	-182308.076	-190000.5691
01/01/81	-2551.75	-195693.308			
02/01/81	-12852.3636	-208545.6716			
03/01/81	-14131.3414	-222677.013			
04/01/81	-16957.0412	-239634.0542			
05/01/81	-41321.2528	-280955.307			
06/01/81	-10075.1948	-291030.5018			
07/01/81	-70986.6462	-362017.148			
08/01/81	-93244.0742	-455261.2222			
09/01/81	42034.1898	-413227.0324			
10/01/81	21399.2794	-391827.753			
11/01/81	29714.8742	-362112.8788			
12/01/81	9381.9758	-352730.903	12/1/1981	-314642.733	-263742.5939
01/01/82	11596.5528	-341134.3502			
02/01/82	-6270.5826	-347404.9328			
03/01/82	-18782.3754	-366187.3082			
04/01/82	-7223.7122	-373411.0204			
05/01/82	-12098.576	-385509.5964			
06/01/82	-6693.1658	-392202.7622			
07/01/82	-11260.6382	-403463.4004			
08/01/82	-56503.756	-459967.1564			
09/01/82	29193.3214	-430773.835			

10/01/82	85571.507	-345202.328			
11/01/82	54127.7694	-291074.5586			
12/01/82	13473.4728	-277601.0858	12/1/1982	-367827.695	-317875.3685
01/01/83	11189.4914	-266411.5944			
02/01/83	152789.8994	-113621.695			
03/01/83	-159364.2458	-272985.9408			
04/01/83	-1815.2226	-274801.1634			
05/01/83	-29561.487	-304362.6504			
06/01/83	70115.379	-234247.2714			
07/01/83	64151.3692	-170095.9022			
08/01/83	-36400.3188	-206496.221			
09/01/83	21234.1914	-185262.0296			
10/01/83	0	-185262.0296			
11/01/83	-4453.1698	-189715.1994			
12/01/83	36601.4186	-153113.7808	12/1/1983	-213031.29	-286570.2562
01/01/84	-5369.9696	-158483.7504			
02/01/84	-369.951	-158853.7014			
03/01/84	-12302.0086	-171155.71			
04/01/84	-2611.7136	-173767.4236			
05/01/84	-11031.7238	-184799.1474			
06/01/84	49105.5172	-135693.6302			
07/01/84	42206.6224	-93487.0078			
08/01/84	-27414.5048	-120901.5126			
09/01/84	-9755.0126	-130656.5252			
10/01/84	29418.7476	-101237.7776			
11/01/84	36818.786	-64418.9916			
12/01/84	-7175.6882	-71594.6798	12/1/1984	-130420.821	-241646.1229
01/01/85	-10624.8872	-82219.567			
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03/01/85	-2437.3676	-94508.8208			
04/01/85	280.3466	-94228.4742			
05/01/85	-11029.5056	-105257.9798			
06/01/85	12321.721	-92936.2588			
07/01/85	119359.7488	26423.49			
08/01/85	17447.3884	43870.8784			
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10/01/85	40156.7842	40856.5378			
11/01/85	27226.9452	68083.483			
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01/01/86	-15153.6006	47979.3594			
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04/01/86	-2624.1968	31360.5022			
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06/01/86	66779.638	90592.061			
07/01/86	52570.07	143162.131			
08/01/86	23341.4238	166503.5548			
09/01/86	-33322.804	133180.7508			

10/01/86	8405.2792	141586.03			
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01/01/87	-27121.0626	134809.8032			
02/01/87	-10165.2164	124644.5868			
03/01/87	-5223.8476	119420.7392			
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07/01/87	36811.5546	160897.4982			
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11/01/87	13937.8514	135535.3646			
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01/01/88	-9444.3734	108229.1266			
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08/01/88	-75904.7774	-45211.4854			
09/01/88	-17545.5566	-62757.042			
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12/01/88	12663.2976	26415.509	12/1/1988	47981.46788	23222.50886
01/01/89	-38987.194	-12571.685			
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03/01/89	-6286.0334	-20122.0846			
04/01/89	33810.413	13688.3284			
05/01/89	-61568.7938	-47880.4654			
06/01/89	24345.9854	-23534.48			
07/01/89	-80374.3064	-103908.7864			
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12/01/89	6750.7176	-170116.4726	12/1/1989	-88015.9789	31703.47737
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04/01/90	-4746.08	-196413.75			
05/01/90	14838.86	-181574.89			
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07/01/90	-44236.24	-172330.87			
08/01/90	-49242.37	-221573.24			
09/01/90	-33657.47	-255230.71			

10/01/90	22679.83	-232550.88			
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12/01/90	8670.56	-161410.88	12/1/1990	-189315.138	-856.9594433
01/01/91	-7187	-168597.88			
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03/01/91	-5712.6	-190948.6			
04/01/91	-9456.04	-200404.64			
05/01/91	-20260.63	-220665.27			
06/01/91	97178.29	-123486.98			
07/01/91	20452.27	-103034.71			
08/01/91	-50677.53	-153712.24			
09/01/91	-14390.24	-168102.48			
10/01/91	21195.55	-146906.93			
11/01/91	12608.01	-134298.92			
12/01/91	8065.05	-126233.87	12/1/1991	-160135.71	-52536.58829
01/01/92	-18958.18	-145192.05			
02/01/92	-6871.78	-152063.83			
03/01/92	-7334.49	-159398.32			
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05/01/92	49172.2	-82867.39			
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07/01/92	-61377.25	-113727.55			
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09/01/92	19766.04	-123427.96			
10/01/92	10003.51	-113424.45			
11/01/92	9475.81	-103948.64			
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01/01/93	-19574.34	-113770.99			
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03/01/93	-4958.11	-139798.46			
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07/01/93	-42143.1	-76541.14			
08/01/93	-7948.79	-84489.93			
09/01/93	28649.96	-55839.97			
10/01/93	4621.62	-51218.35			
11/01/93	-786.61	-52004.96			
12/01/93	-5395.89	-57400.85	12/1/1993	-88756.8042	-128841.9051
01/01/94	-16280.11	-73680.96			
02/01/94	-9245.65	-82926.61			
03/01/94	-10306.99	-93233.6			
04/01/94	-6851.58	-100085.18			
05/01/94	44328.15	-55757.03			
06/01/94	69404.28	13647.25			
07/01/94	-115759.18	-102111.93			
08/01/94	-55936.87	-158048.8			
09/01/94	3253.08	-154795.72			

10/01/94	25885.18	-128910.54			
11/01/94	30897.35	-98013.19			
12/01/94	4505.4	-93507.79	12/1/1994	-93952.0083	-130029.111
01/01/95	-29720.78	-123228.57			
02/01/95	-11320.5	-134549.07			
03/01/95	-24423.97	-158973.04			
04/01/95	13184.86	-145788.18			
05/01/95	34898.08	-110890.1			
06/01/95	32269.65	-78620.45			
07/01/95	161897.9	83277.45			
08/01/95	-46810.54	36466.91			
09/01/95	-3481.65	32985.26			
10/01/95	12647.94	45633.2			
11/01/95	5685.03	51318.23			
12/01/95	20406.99	71725.22	12/1/1995	-35886.9283	-99343.469
01/01/96	-20051.32	51673.9			
02/01/96	-18249.53	33424.37			
03/01/96	-28209.41	5214.96			
04/01/96	-2949.55	2265.41			
05/01/96	3020.85	5286.26			
06/01/96	-6476.75	-1190.49			
07/01/96	-57268.63	-58459.12			
08/01/96	-127973.05	-186432.17			
09/01/96	-26482.01	-212914.18			
10/01/96	3455.85	-209458.33			
11/01/96	-579.31	-210037.64			
12/01/96	14768.79	-195268.85	12/1/1996	-81324.6567	-83581.25833
01/01/97	-147.97	-195416.82			
02/01/97	-34509.72	-229926.54			
03/01/97	-13474.98	-243401.52			
04/01/97	1774.84	-241626.68			
05/01/97	24709.73	-216916.95			
06/01/97	104870.69	-112046.26			
07/01/97	22868.74	-89177.52			
08/01/97	-27035.48	-116213.00			
09/01/97	-5759.13	-121972.13			
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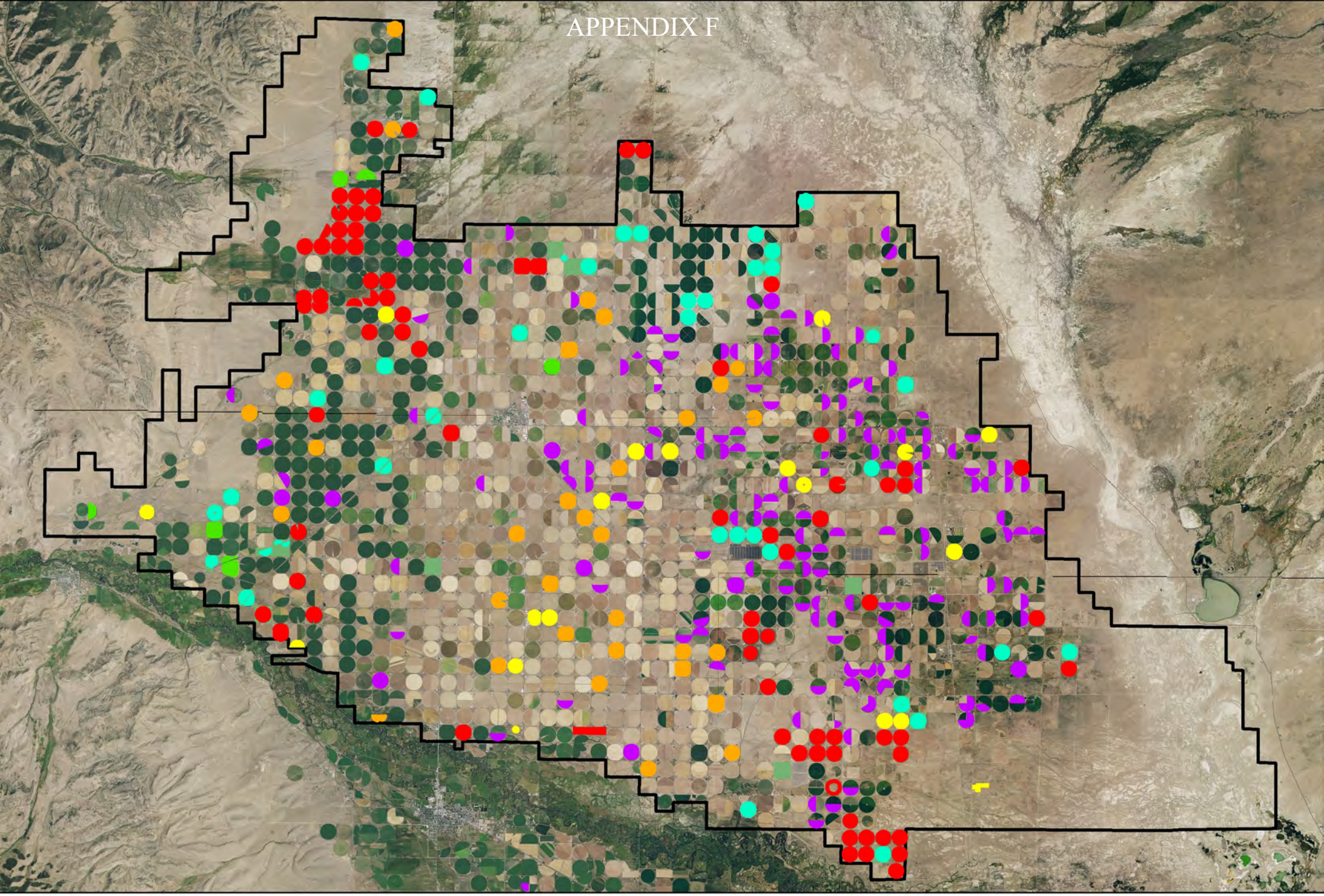
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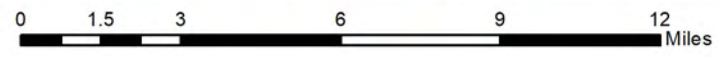
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APPENDIX F

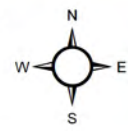


Subdistrict 1 Conservation Programs 2020

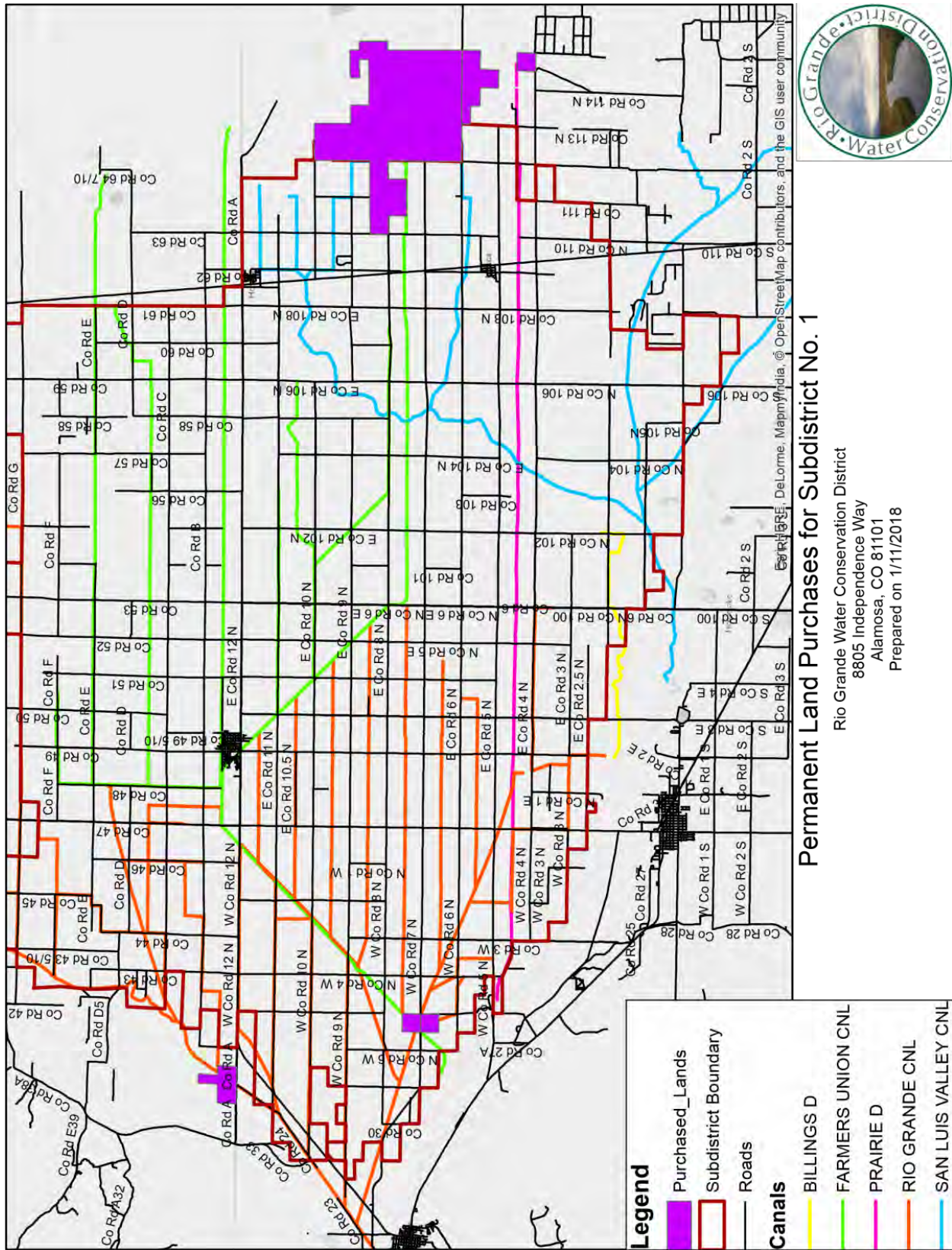
-  Fallow
-  Prevent Plant
-  CREP
-  Alfalfa Program
-  Half Use
-  Emergency Fallow
-  Sub1 RA



Date: 2/23/2021



APPENDIX G



APPENDIX H

RIO GRANDE COMPACT, 2020
January 12, 2021 Analysis (Final (Draft) Analysis)
Closed Basin Project Split: 60/40

RIO GRANDE BASIN

DWR 10-6-2020 Forecast

		<u>Index Supply</u>	
Apr-Sep Actual	307,800	January	9,900 *
J-M & O-D volume	57,500	February	10,400 *
		March	16,100 *
		April	35,200 *
		May	145,400 *
		June	77,200 *
		July	23,400 *
		August	13,400 *
		September	13,200 *
		October	11,800 *
		November	12,000 *
		December	9,300 *
		Total	377,300
Obligation =	92,600		

Deliveries

January	10,800 *
February	13,700 *
March	18,600 *
April	5,200 *
May	9,600 *
June	7,000 *
July	2,000 *
August	1,000 *
September	500 *
October	1,000 *
November	5,600 *
December	9,200 *
Total	84,200

Adjustments to the Delivery	Net Carryover Credit in E.B.	3,500	estimate
	Paper Credit	5,000	
	SC Norton Drain Flow	(2,000)	estimate
	Remaining CBP Share	-	*

Delivery Credit 90,700

Expected Dec. 31, 2020 Compact Delivery Status -1,900

- * = Actual measured flows (Deliveries include Closed Basin Project share)
- All values in acre-feet
- Assumes 60% of the Closed Basin Project flows are creditable to the Rio Grande (Projected delivery of creditable CBP production to the Rio Grande is 6,500 acre-feet)
- Assumes no recharge diversions after November 1, 2020

RIO GRANDE COMPACT, 2020
January 12, 2021 Analysis (Final (Draft) Analysis)
Closed Basin Project Split: 60/40

CONEJOS RIVER BASIN

April - September Index
 Flows = 143,800

Index Supply

		January	3,200 *	
		February	2,500 *	
		March	4,300 *	
		April	19,700 *	
		May	76,900 *	
		June	26,300 *	442 cfs avg
		July	8,700 *	141 cfs avg
		August	5,300 *	89 cfs avg
		September	6,900 *	116 cfs avg
J-M & O-D volume	23,200	October	4,200 *	68 cfs avg
		November	5,200 *	87 cfs avg
		December	3,800 *	62 cfs avg
Obligation =	28,500	Total	167,000	56% of normal

Deliveries

January	4,000 *
February	4,300 *
March	5,600 *
April	3,100 *
May	3,000 *
June	600 *
July	200 *
August	- *
September	- *
October	- *
November	3,200 *
December	3,100 *
Total	27,100

Adjustments to the Delivery	Net Carryover Credit in E.B.	(3,200) estimate
	Paper Credit	5,000
	SC Norton Drain Flow	2,000 estimate
	Remaining CBP Share	- *

Delivery Credit 30,900

Expected Dec. 31, 2020 Compact Delivery Status 2,400

- * = Actual measured flows (Deliveries include Closed Basin Project share)
- All values in acre-feet
- Assumes 40% of the Closed Basin Project flows are creditable to the Conejos (Projected delivery of creditable CBP production to the Rio Grande is 6,500 acre-feet)

APPENDIX I

Augmentation Wells and Map

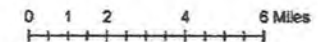
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				2005729	A			
				2011878	Y			
00CW0042	Augmentation Plan	J Cooley	James Cooley	2008692	Y			
				2014243	Y			
01CW0006	Augmentation Plan	K Cooley	Kim Cooley	2014013	Y			
				2014014	Y			
				2014016	Y			
07CW0064	Augmentation Plan	JDS Farms/Entz	JDS Farms & Allen Entz	2009165	NP			
				2009403	NP			
				2009405	NP			
81CW0069	Change of Water Right	Beard	John Slane	2705546	Y			
				2705547	Y			
81CW0072	Change of Water Right	Slane	Rob Jones	2006662	Y			
				2014257	Y			
82CW0017	Augmentation Plan	SRS Ranch	Gene Ensz	2008188	Y			
				2008189	Y			
				2008190	Y			
				2008191	Y			
				2008192	Y			
					Laverne Schmidt	2008188	Y	
						2008189	Y	
						2008190	Y	
						2008191	Y	
						2008192	Y	
						Susie Nickel	2008188	Y
							2008189	Y
							2008190	Y
			2008191	Y				
			2008192	Y				
89CW0045	Augmentation Plan	MV Pro Credit Assoc	Scidmore	2006555	A			
				2006633	Y			
96CW0005	Augmentation Plan	Kirkpatrick	Kirkpatrick	2008240	A			
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				2013719	Y			
				2013720	Y			
				2013721	Y			
99CW0009	Augmentation Plan	Off Ranches	Cory Off	2013722	Y			
				2009876	Y			
				2013756	Y			
				2010235	Y			
99CW0025	Augmentation Plan	Bradley	Jim Bradley	2013884	Y			
				Enrolled in 4 year fallow 2020 - 2024				
W-3847	Alt. Point of Diversion	Seger	Gary Seger	2005398	Y			
				2005399	Y			
*Footnotes:	Y	Yes, well is governed by Plan						
	NP	Wells are not participating in Plan						
	A	Wells are associated with other wells that are governed by Plan						

SPECIAL SUBDISTRICT NO. 1

Wells Associated with Augmentation & Other Plans

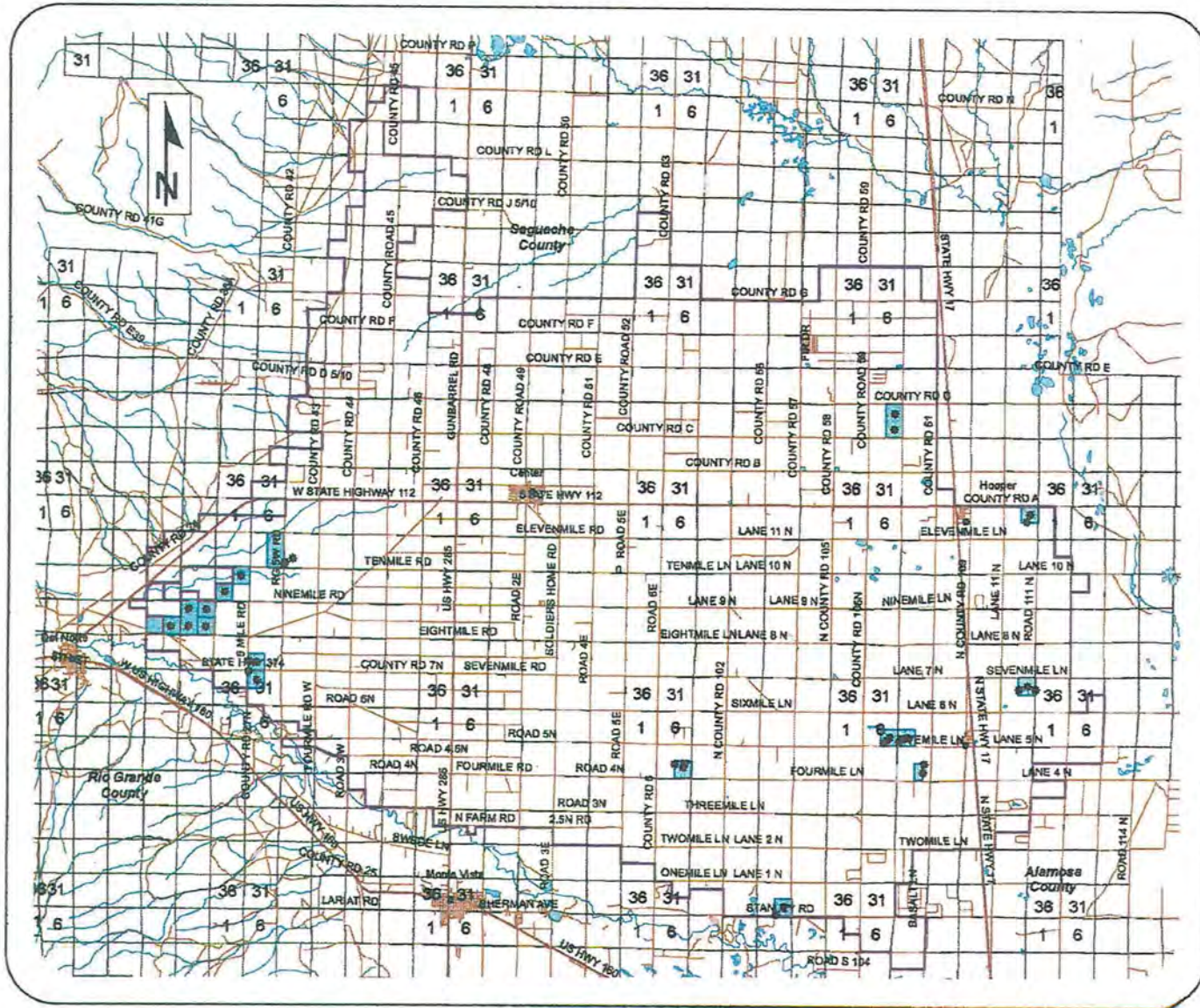
Legend

- Div3_Wells_Aug Plans
- Subdistrict_1_bndry2006Mar
- Decreed Aug Plans
- 00CW0019 Roger Ensz
- 00CW0042 James Cooley
- 01CW0006 Kim Cooley
- 07CW0064 JDS Farms & Allen Entz
- 81CW0069 John Slane
- 81CW0072 Rob Jones
- 82CW0017 Gene Ensz
- 82CW0017 Laverne Schmidt
- 82CW0017 Susie Nickel
- 89CW0045 Scidmore
- 96CW0005 Kirkpatrick
- 99CW0009 Cory Off
- 99CW0025 Jim Bradley
- W-3847 Gary Seger



Prepared 1/15/2013

SINCE 1946 Davis Engineering Services, Inc.
1314 12th Street
P.O. Box 1848
Harrison, CO 81101
(719) 589-3004





January 14, 2021

Pamela Rice, Superintendent
 United States Department of the Interior
 Great Sand Dunes National Park and Preserve
 11500 State Hwy 150
 Mosca, CO 81146

Subject: Proposed Sustainability Metric for Future Groundwater Withdrawals by Great Sand Dunes National Park and Preserve

Dear Ms. Rice,

The Great Sand Dunes National Park Service (“NPS”) submitted a proposed Sustainability Metric to satisfy their obligations under their contract allowing participation in the Subdistrict No 1 2020 ARP. The proposal is to limit the pumping from the NPS wells to a total of 54.02 acre-feet from October 1, 2020 through September 30, 2025. This amounts to an average of 10.80 acre-feet/year over the five-year period.

DWR staff had several discussions with NPS representatives, Peter Fahmy and Tyler Gilkerson, as they were developing the metric. Their approach involved examining historical groundwater withdrawal records and establishing a current pumping limit that would not exceed historical withdrawals.

NPS found that available, reliable, historical pumping records are limited for years prior to 2000. They concluded in order to develop a Sustainability Metric by comparing historical and recent pumping records, NPS is limited to the available annual pumping records for 1992 through 1994 and 2000 through 2019. The average groundwater pumping for the 1992 through 1994 period is 15.3 gallons per visitor to the park. Using this data and other sources of information, an estimate of 10.804 acre-feet per year as an average amount of pumping for the entire pre-2000 time period was arrived at. If this average annual pumping is maintained for 5 years, it would total 54.02 acre-feet. This proposed Sustainability Metric is considered to be reasonable given the limited amount of historical data that is available.

NPS is in the process of obtaining a decreed Plan for Augmentation per DWR’s Groundwater Use Rule 6.1.2 which must include NPS’s detailed Sustainability Metric. This metric is considered acceptable for the five-year term described with the condition the metric must be reviewed for incorporation into the Plan for Augmentation when it is brought to court. The metric will be reevaluated at that time or at the end of the five-year period.

The proposed sustainability metric for the Great Sand Dunes National Park of 54.02 acre-feet of total pumping for the period of October 1, 2020 through September 30, 2025 is hereby approved. Be advised that this approval will expire on September 30, 2025 or on the date that



Pamela Rice
Great Sand Dunes National Park and Preserve
January 14, 2021
Page 2 of 2

the pumping amount reaches 54.02 acre-feet, whichever comes first. A new sustainability metric must be developed and in place at the time that this approval expires in order for the Park wells to continue to operate after that time.

Sincerely,

A handwritten signature in black ink that reads "Kevin G. Rein". The signature is written in a cursive style with a large, stylized initial 'K'.

Kevin G. Rein, P.E. State Engineer, Director
Colorado Division of Water Resources

ec: Division 3