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

ANNUAL REPORT FOR THE 2023 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 14, 2023, the 2023 ARP was finalized and provided to the SEO, the District Court and the public. On May 1, 2023, the SEO approved the 2023 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 2023 ARP. The AR is due on or before March 1, 2024.

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 2023 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 2023 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 2023 ARP and to Subdistrict #1's actual operations. It also details the outcomes of Subdistrict #1's actions during the 2023 ARP year.

Subdistrict #1 proceeded with proactive and conservative practices during the 2023 ARP Year to ensure senior water rights were not injured by groundwater withdrawals from Subdistrict #1 Wells. The 2023 AR describes the data, methodology and calculations that verify injurious depletions were remedied as required.

This AR confirms that Subdistrict #1 provided replacement water to the Rio Grande that 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, 2024 but will not be complete until the end of the 2023 ARP year, April 30, 2024.

1.0 CALCULATIONS OF ACTUAL PLAN YEAR 2023 RIO GRANDE DEPLETIONS FROM SUBDISTRICT WELLS

This section of the 2023 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 2023 ARP completed on April 14, 2023. 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 2023 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 2023 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 2023. Data collected from the Division 3 Engineer's Preliminary Rio Grande Compact Ten Day Report on March 31st, 2023 estimated the flow for the period April – September 2023 for the index gage to be 659,200 ac-ft. Also, from the data contained in the report, 90,800 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 March 31st, 2023, 659,200 ac-ft April-September forecast and the additional 90,800 ac-ft, the projected annual flow of the Rio Grande at the index gage was 750,000 ac-ft.

1.1.3 2023 Actual Stream Flow

Based on the Division 3 Engineer's Rio Grande Compact Ten Day Report for the end of 2023, see Appendix I of the Appendices, the actual annual flow of the Rio Grande through the index gage was 708,100 ac-ft. This decrease below the projected flows resulted in an increase in calculated stream depletions for the Subdistrict. The actual annual flow of the Conejos River through the index gage was 411,500 ac-ft, also included in Appendix I.

1.2 TOTAL GROUNDWATER WITHDRAWALS

Based on information obtained from the Division of Water Resources on February 6th, 2023, the actual metered groundwater withdrawals from Subdistrict #1 Wells included in the 2023 ARP was 222,488 ac-ft for Irrigation Year 2023. Projected groundwater withdrawals for 2023, as contained in the 2023 ARP, was 219,700 ac-ft. The majority of Subdistrict #1 metered groundwater withdrawals in 2023 were used for irrigation with the most being used through center pivot sprinklers and only a small amount applied to flood irrigation.

A comprehensive ARP Well List was included in the 2023 ARP to identify the wells DWR permitted to continue operating in accordance with the PWM and the Groundwater Rules. This ARP Well List is necessary for DWR to identify which wells the Subdistrict has included. Further, the ARP Well List is a required input into the RGDSS Groundwater Model and Response Functions.

When receiving the approval letter from CDWR for the 2023 ARP, WDID 2014645 was removed from the 2023 ARP Well List. After further findings, it was found that WDID 2014645 had an approved contract through the Subdistrict and legal use pursuant to a new decree. WDID 2014645 was added back to the Subdistrict #1 ARP Well List and the diversion from this well was added into the pumping calculations for this report.

All metered withdrawals for new WDIDs are being included in calculations for the Subdistrict's 2023 Plan Year replacement obligations.

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:

Canal/Ditch	Decree
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 2023 annual calculated recharge credits for these four canals/ditches within Subdistrict #1 were prepared using end of irrigation year 2023 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 = 93.98%
San Luis Valley Irrigation District = 100%
Prairie Ditch = 99.20%
San Luis Valley Canal = 79.19%

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 2023 and is listed below:

1) Rio Grande Canal:
    - Surface water through sprinklers = 3,997.49 ac-ft
    - Surface water applied to flood irrigation = 422.23 ac-ft.
2) San Luis Valley Irrigation District:
    - Surface water through sprinklers = 0.0 ac- ft
    - Surface water applied to flood irrigation = 0 ac-ft.
3) Prairie Ditch:
    - Surface water through sprinklers = 228.97 ac-ft
    - Surface water applied to flood irrigation = 0 ac-ft.
4) San Luis Valley Canal:
    - Surface water through sprinklers = 408.99 ac-ft.
    - 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 2023
Prepared February 24, 2024
(All units in ac-ft)

	Rio Grande Canal	San Luis Valley I.D.	Prairie Ditch	SLV Canal	Totals
Total Consumable	128,190.51	42,670.43	20,140.00	26,644.18	217,645.11
% Within Subdistrict #1	93.98%	100%	99.20%	79.19%	
Total Consumable Within Subdistrict #1	120,473.44	42,670.43	19,978.88	21,099.52	204,222.27
Surface Water Through Sprinklers @83%	-3.317.92	0	-190.05	-339.46	-3,847.43
Surface Water Used for Flood @60%	-253.34	0	0	0	-253.34
Totals	116,902.18	42,670.43	19,788.83	20,760.06	200,121.50

Therefore, the calculated consumable credit under the four recharge decrees for 2023 is 200,121.50 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 2023 ARP year was -16,565 ac-ft as shown in Table 1.3. Referencing the ranges in Table 1.2, the 2023 ARP year is classified as a "Wet" year.

1.5 2023 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 2012- 2022 are included in the table along with the values for 2023. Notes are included at the bottom of the table to provide a description of the calculations. For 2023, the values in columns 6 through 10 are obtained from Table 1.1, above.

The Net Groundwater Consumption Use data for 2023 is applied to the Response Function spreadsheet contained in Table 1.4 to calculate stream depletions for the 2023 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 2023. 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 2023 Plan Year stream depletions as required under the Plan and Decree.

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

	Response Area No.1 Total				Recharge that Offsets Groundwater					
Year	**Irrigation Pumping to Center Pivots**	**Irrigation Pumping to Flood Irrigation**	**Other Pumping**	**Groundwater Consumption**	**Recharge Source 1**	**Recharge Source 2**	**Recharge Source 3**	**Recharge Source 4**	**Total**	**Net Groundwater Consumptive Use**
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
2011	325,381	889	3,840	272,957	83,801	9,981	8,325	8,204	110,310	162,647
2012	261,529	71	3,305	219,229	54,870	6,748	4,795	3,620	70,034	149,195
2013	231,267	1,136	3,660	194,856	84,919	5,477	4,227	4,782	99,404	95,452
2014	238,674	1,400	2,530	200,238	110,566	28,596	14,133	12,777	166,072	34,166
2015	206,953	1,536	3,167	174,219	122,980	34,685	15,139	15,608	188,412	-14,194
2016	237,891	1,635	3,132	200,037	125,562	32,064	12,873	14,396	184,894	15,143
2017	237,594	1,786	2,972	199,587	138,112	31,813	15,292	16,043	201,260	-1,673
2018	264,964	2,167	2,838	222,572	42,895	2,136	1,924	2,140	49,096	173,476
2019	213,645	1,937	2,918	179,994	132,121	45,852	22,196	22,619	222,788	-42,793
2020	244,744	796	2,797	204,846	58,838	10,230	5,879	5,467	80,413	124,433
2021	209,091	139	2,720	175,009	79,486	11,330	6,748	7,906	105,470	69,539
2022	206,006	28	2,617	172,157	89,232	7,501	1,813	4,841	103,387	68,770
2023	219,741	18	2,729	183,556	116,902	42,670	19,789	20,760	200,122	-16,565
Avg	**238,268**	**1,042**	**3,017**	**199,943**	**95,406**	**20,699**	**10,241**	**10,705**	**137,051**	**62,892**

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 0.83xCol2 + 0.60xCol3 +Col4xOther 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) - (9) To be determined by analysis of historic diversions and recharge decrees

(10) Calculated as Col6 + Col7 + Col8 + Col9

(11) Calculated as Col5 - Col10

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)

			Annual Net Stream Depletions (May-Apr) [a)]				
Year	Rio Grande near Del Norte Stream Gage (Apr-Sep)	Net Groundwater Consumptive Use (Jan-Dec)	Rio Grande Del Norte-Excelsior	Rio Grande Excelsior-Chicago	Rio Grande Chicago-State Line		Total
(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	415,287	162,647	2,119	1,319	-267		3,171
2012	328,465	149,195	2,108	1,520	-265		3,363
2013	344,522	95,452	1,995	1,428	-211		3,212
2014	518,731	34,166	1,805	1,157	-138		2,824
2015	555,832	-14,194	1,070	900	-57		1,913
2016	565,968	15,143	859	737	-64		1,532
2017	574,029	-1,673	805	572	-45		1,332
2018	212,225	173,476	1,191	1,038	-241		1,988
2019	855,755	-42,793	-766	911	37		182
2020	307,808	124,433	-672	984	-108		204
2021	381,197	69,539	-326	953	-82		545
2022	359,222	68,770	-253	908	-88		567
2023	639,603	-16,565	-1,002	710	25		-267
2024			-911	502	21		-388
2025			-667	386	12		-269
2026			-510	311	7		-192
2027			-391	246	5		-140
2028			-306	190	3		-113
2029			-237	148	3		-86
2030			-210	119	4		-87
2031			-204	101	4		-99
2032			-199	87	5		-107
2033			-185	76	5		-104
2034			-155	58	4		-93
2035			-110	39	3		-68
2036			-96	29	3		-64
2037			-90	14	4		-72
2038			-76	5	3		-68
2039			-3	-1	1		-3
2040			-15	0	1		-14
Avg 2001-2015	458,977	100,735	2,698	1,415	-213		3,900

Avg 2001-2010	472,181	108,375	3,138	1,490	-226		4,401
Post Plan Depletion			-4,365	2,310	88		-1,967

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 2023 is from the January 3, 2024 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 2023 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 26th, 2024
(Units in ac-ft)

	Response Area No.1 Response Area Total												
	2023								**2024**				
Stream Reach	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Rio Grande Del Norte-Excelsior	-37.8	-58.0	-80.2	-95.2	-97.6	-102.8	-100.2	-94.7	-83.8	-75.4	-88.8	-87.3	-1,001.9
Rio Grande Excelsior-Chicago	86.7	68.5	60.7	53.1	52.4	47.6	41.9	53.2	59.9	58.7	67.8	58.9	709.5
Rio Grande Chicago-State Line	2.6	4.5	2.4	11.6	8.7	17.0	4.8	3.6	-2.0	-6.7	-9.5	-11.9	25.1
Total	**51.5**	**15.0**	**-17.1**	**-30.5**	**-36.5**	**-38.3**	**-53.5**	**-37.9**	**-25.9**	**-23.4**	**-30.6**	**-40.3**	**-267.3**

As indicated in lower right-hand corner of Table 1.5, the calculated total depletions that will impact the Rio Grande during the 2023 ARP year, due to both past groundwater withdrawals and the 2023 groundwater withdrawals, using the RGDSS Groundwater Model Phase 6P98 Response Function are **-267.3** ac-ft. The locations of the depletions and monthly quantities are also tabulated in Table 1.5.

If wells that were groundwater withdrawals in 2023 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 **-2,009** 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
2023-2043	-4,410	2,310	91	-2,009

Table 1.7 lists both the April 2023 projected obligations and the February 2023 final calculated obligations to compare projected versus actual calculated depletions for the 2023 ARP Year.

Table 1.7
Subdistrict # 1 Monthly Stream Replacement Obligation for 2023 ARP year
(Units in ac-ft)

	Reach #1				Reach # 2				Reach # 3				TOTALS	
Month	*4/2022 Projection*	*2/2023 Calculation*	*4/2023 Projection*	*2/2024 Calculation*	*4/2022 Projection*	*2/2023 Calculation*	*4/2023 Projection*	*2/2024 Calculation*	*4/2022 Projection*	*2/2023 Calculation*	*4/2023 Projection*	*2/2024 Calculation*	*Projected Totals*	*Calculated Totals*
2023-3	-24	-26			107	100			-14	-13			69	61
2023-4	-24	-26			89	84			-20	-19			45	39
2023-5			-47	-38			88	87			6	3	48	52
2023-6			-93	-58			79	69			28	4	15	15
2023-7			-154	-80			67	61			10	2	-76	-17
2023-8			-202	-95			59	53			8	12	-135	-30
2023-9			-214	-98			61	52			10	9	-143	-37
2023-10			-227	-103			52	48			34	17	-141	-38
2023-11			-222	-100			48	42			11	5	-163	-53
2023-12			-212	-95			60	53			5	4	-147	-38
2024-1			-193	-84			67	60			-2	-2	-128	-26
2024-2			-173	-75			65	59			-6	-7	-114	-23
2024-3			-199	-89			74	68			-8	-10	-133	-31
2024-4			-195	-87			65	59			-7	-12	-136	-40
Total 2022 Projected	-48				196				-34					

Total 2023 Calculated		-52				184				-32				
Total 2023 Projected			-2,128				786				90		**-1,252**	
Total 2024 Calculated				**-1,002**				**711**				**25**		**-267**

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

The April 14, 2023 calculations used for the 2023 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 2023 groundwater withdrawals for Subdistrict Wells and surface water diversions into the Closed Basin under the Recharge Decrees resulted in an actual net-groundwater withdrawal greater than the calculations used for the 2023 ARP. Application of the actual net-groundwater withdrawals shows that, as of the date of this report, Subdistrict #1 has supplied +/- **3.8** ac-ft less than the actual calculated injurious depletions by the approved Response Functions. This number is calculated by looking at depletions replaced by reservoir releases in May 2023 and June 2023. The depletions in Stream Reaches 2 & 3 decreased in these months and the accretions from Stream Reach 1 also decreased in those months. All months after June 2023 (July 2023 through April 2024) have excess accretion from Stream Reach 1 and still cover the amount of depletions to Stream Reach 2 & 3 for those months.

After October 6th, 2024 there was a 0% curtailment set on the Rio Grande River through November 8th, 2024. During this period, Subdistrict #1 was replacing depletions in Stream Reach 2 and Stream Reach 3 by aggregating accretions from Stream Reach 1. It was monitored through this period to make sure there was not a "dry" stretch of river during this period where accretions from Stream Reach 1 would not make it to the downstream reaches. Discussion took place with the Centennial Ditch to make sure that Subdistrict #1 could carry depletion water, via the Centennial Carriage Agreement, if this situation occurred. The Rio Grande River did not "dry-up" during this period and Subdistrict #1 continued to replace depletions by aggregating accretion from Stream Reach 1.

Subdistrict #1 anticipates that CDWR will work with Subdistrict #1 to address this to assure that 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 under the Rio Grande Compact, 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 2023 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 2023 Irrigation Year

WDID	DITCH NAME	Diversions in ac.-ft	Subdistrict Year
2000546	BILLINGS D	5,202.40	2023
2000556	BUTLER IRR D	1,575.87	2023
2000627	EXCELSIOR D	25,485.70	2023
2000631	FARMERS UNION CNL	53,380.00	2023
2000699	KANE CALLAN D	2,659.50	2023
2000736	MCDONALD D	6,087.40	2023
2000798	PRAIRIE D	24,164.00	2023
2000812	RIO GRANDE CNL	152,067.00	2023
2000814	RIO GRANDE D 2	1,093.09	2023
2000829	SAN LUIS VALLEY CNL	31,007.00	2023
2000833	SCHUCH SCHMIDT D	1,063.40	2023
2700502	BIEDELL D NO 10	2,794.28	2023
2700503	BIEDELL D NO 2	75.73	2023
2700518	GREEN D NO 1	485.64	2023
2700522	HOME D NO 1	3,828.21	2023
2700523	JOHNNIE SMITH D NO 1	33.72	2023
2700533	MCLEOD D NO 3	0.00	2023
2700537	MOODY AND HEAD D	0.00	2023
2700538	OMNIBUS D	3,129.78	2023
2700543	ROCKY HILL SEPG OVFL D	347.95	2023
2700545	SHOWN D	584.08	2023
2700551	WHITE D	0.00	2023
2700553	WILSON D NO 4	0.00	2023
2700684	LA MAGOTE D NO 2	59.01	2023
2700714	MCLEOD D NO 4 & 5	448.07	2023

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

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 2023 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 2023 Subdistrict #1 Farm Units. Only those fields that had entries updated during the 2023 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 2023

Crop Type	Total Acres	Sprinkler	LEPA	Flood
Alfalfa	25,671	25,061	503	107
Barley	30,711	30,711	-	-
Canola	4,263	4,138	125	-
Carrots	986	986	-	-
Corn	173	122	-	51
Cover Crop	10,353	10,286	-	67
CREP	10,508	10,508	-	-
Fallow	16,420	16,010	101	309
Grain	5,015	4,807	208	-
Grass Hay/ Pasture	2,989	1,885	-	1,104
Hemp	247	247	-	-
Lettuce	1,213	1,213	-	-
Oats	1,129	1,129	-	-
Potatoes	48,891	48,624	267	-
Quinoa	59	59	-	-
Sudan Grass Hay	3,773	3,733	-	-
Triticale	92	92	-	-
Vegetables	793	793	-	-
Total	**163,286**	**160,404**	**1,204**	**1,644**

Information collected for 2023 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 2023 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, 2023. The diversion amounts for the Subdistrict #1 Wells is for the portion of the 2023 irrigation season through November 1, 2023. The groundwater withdrawals covered by augmentation plans during 2023 were 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 from 2022, between Farm Units and applied against the 2023 Variable Fees was 22,305.14 ac-ft.

At the time of submission of this AR, the estimated amount of 2022 carry-over SWC carried forward into 2023 that was not utilized and therefore extinguished by rule was 6,283.4 ac-ft. This number may change during the appeal process in 2024.

5.0 CLOSED BASIN PROJECT PRODUCTION-PROJECTEDAND 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 7,440 ac-ft during the calendar year 2023. The 2023 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 combined with forbearance for the remainder of the 2023 ARP year is: 19,232.50 ac-ft

Table 6.1
Remaining Balances of Replacement Water Acquired by Subdistrict #1 for 2023

Water Right(s) Name	Quantity (ac-ft)	Water Previously Controlled By:	Decree(s)	Current Location
Williams Creek Squaw Pass	**134.8**	Navajo Development	CA73, CA308, W-1869-78	Rio Grande Reservoir
Williams Creek Squaw Pass	**56.5**	San Luis Valley Irrigation District	CA73, CA308, W-1869-78	Rio Grande Reservoir
SLVID Tabor	**45.1**	San Luis Valley Irrigation District		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	**730.8**	Evelyn Underwood and Patti Cook	CA 0308	Rio Grande Reservoir
Treasure Pass Trans-basin Diversion	**50.7**	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	**3,568.2**	Santa Maria Reservoir Co.		Santa Maria & Continental Reservoirs
2016-1645.0 shares @ 0.968 af/share	**537.99**	Santa Maria Reservoir Co.		Santa Maria & Continental Reservoirs
2022-SWSP Water Exchange for SMRC Water	**49.3**	Mammoth Land Holdings, LLC	SWSP 6164	Continental Reservoir
Total Trans-basin and Santa Maria (In Storage)	**14,532.5**			
2023 Forbearance Agreements				
	Contracted (AF)	**Amount Used**		
Rio Grande Canal	**900**	0		
San Luis Valley Canal	**400**	0		
Commonwealth	**500**	0		
Farmers Union	**1,000**	0		
Centennial Ditch	**No ac-ft limit**	0		
Excelsior Ditch	**1,000**	0		
Monte Vista Canal	**300**	0		
Rio Grande Lariat Ditch	**500**	0		
Prairie Ditch	**100**	0		
Total Water Available (In Storage & Forbearance)	**19,232.5**			

In 2022, Subdistrict #1 board of managers approved the exchange of trans-mountain water that is owned by the Subdistrict and stored in Rio Grande Reservoir for Santa Maria Reservoir Company Shares that were to be used by Mammoth Land Holdings, LLC. under SWSP 6164. Mammoth did not operate under SWSP 6164 in 2022 but instead decided to operate under Subdistrict #5. This water was never used and the exchange occurred during the 2023 ARP year. Table 6.1 shows this in the accounting by adding the 49.3 AF SMRC water in exchange for Treasure Pass Trans-Basin water, see SWSP 6164.

6.1 2023 Plan Year Forbearance Agreements

Pursuant to section 37-92-501(4)(b)(I)(B), C.R.S., Subdistrict #1 reached an agreement with the Rio Grande Canal, Centennial Ditch, Excelsior Ditch, Rio Grande Lariat Ditch, Prairie Ditch, Common Wealth, Monte Vista Canal, Farmers Union, 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.

During the 2023 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 Company 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 or by use of excess accretion.

7.0 OPERATION OF THE SUBDISTRICT #1 WATER REPLACEMENT PLAN

Subdistrict #1 stream reach depletions are as shown in table 1.5 above. Winter time depletions starting in November through April the remaining 2023 ARP year depletions will be replaced using Stream Reach 1 Accretions to offset Stream Reach 2 and Stream Reach 3 depletions as they exist per Table 1.5.

A one-day release was made for shortage of Closed Basin Canal production to repay 27.5 AF for winter time depletions on April 28, 2023, and total delivered to Stream Reach 2 with loss calculated is 32.35 AF. This was to verify that all depletions were replaced during the winter time in the 2022 ARP year.

Beginning May 1, 2023, 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. Subdistrict #1 staff identified that in May & June 2023 during the term of the 2023 ARP year that the monthly stream depletion obligation for the stream reaches may not have been fully replaced.

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 in the 2023 ARP year.

7.1 DESCRIPTION OF MONTHLY OPERATIONS

JANUARY 2023

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 2022 ARP. On January 1st, Subdistrict No. 1 began utilizing Closed Basin Project production to the Rio Grande in the amount of 2.478 ac-ft./ day to begin replacing projected depletion obligations in Stream Reach 2. There were no positive depletions in Stream Reach 1 or 3 identified in the response function in January, but rather accretions back to the river within these reaches.

FEBRUARY 2023

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 2022 ARP. On February 1st, Subdistrict No. 1 continued utilizing Closed Basin Project production to the Rio Grande in the amount of 2.393 ac-ft./ day to begin replacing projected depletion obligations in Stream Reach 2. There were no positive depletions in Stream Reach 1 or 3 identified in the response function in February, but rather accretions back to the river within these reaches.

MARCH 2023

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 2022 Annual Report (AR). On March 1st, Subdistrict No. 1 continued utilizing Closed Basin Project production to the Rio Grande in the amount of 1.971 ac-ft./ day to begin replacing projected depletion obligations in Stream Reach 2. There were no positive depletions in Stream Reach 1 or 3 identified in the response function in March, but rather accretions back to the river within these reaches which the Subdistrict requests to use to offset depletion obligations to Stream Reach 2, upon Division approval.

APRIL 2023

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 April on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2022 AR. On April 1st, the ditches on the Rio Grande began diverting water for the 2023 Irrigation Season. In anticipation of this, Subdistrict No. 1 began a release from the Santa Maria water pool stored in the Santa Maria Reservoir on March 31, 2023 in the amount of 1.547 ac-ft. / day to begin replacing projected depletion obligations in Stream Reach 2. There were no positive

depletions in Stream Reach 1 or 3 identified in the response function in April, but rather accretions back to the river within these reaches which were used to offset Stream Reach 2 depletions. A one-day release was made for shortage of Closed Basin Canal production to repay 27.5 AF for winter time depletions on April 28, 2023, and total delivered to Stream Reach 2 with loss calculated is 32.35 AF.

MAY 2023

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 2023 ARP. On May 1st, the ditches on the Rio Grande continued diverting water for the 2023 Irrigation Season. Subdistrict No. 1 continued releasing from the Santa Maria water pool stored in the Santa Maria Reservoir in the amount of 1.587 ac-ft. per day and the last day being 1.468 ac-ft to replace projected depletion obligations in Stream Reach 2. Stream Reach 3 also had a depletion obligation of 0.258 ac-ft per day and the last day being 0.198 ac-ft. There were no positive depletions in Stream Reach 1 identified in the response function in May, but rather accretions back to the river within this reach which were used to offset a portion of the depletions in Stream Reach 2.

JUNE 2023

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 2023 ARP. On June 1st, the ditches on the Rio Grande continued diverting water for the 2023 Irrigation Season. Subdistrict No. 1 continued releasing from the Santa Maria water pool stored in the Santa Maria Reservoir in the amount of 0.621 ac-ft. / day starting on 5/28/2023 and 0.650 ac-ft on the last day (6/28/2023) to replace projected depletion obligations in Stream Reach 3. This total is calculated using accretions from Stream Reach 1 (-92.5 AF) after offsetting Stream Reach 2 depletions (79.4 AF). The remainder of Stream Reach 1 accretions (-13.1 AF) were used to offset a portion of Stream Reach 3 Depletions (28 AF). Total projected obligation to Stream Reach 3 after using the remainder Stream Reach 1 accretions is 14.9 ac-ft.

JULY 2023

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 2023 ARP. On July 1st, the ditches on the Rio Grande continued diverting water for the 2023 Irrigation Season. Subdistrict No. 1 stopped releasing from the Santa Maria water pool stored in the Santa Maria Reservoir on June 28th, 2023. Reservoir releases stopped because Subdistrict No. 1 started using response function accretions from Stream Reach 1 (-153.6AF) to offset Stream Reach 2 depletions (67.2 AF) and Stream Reach 3 depletions (10.3 AF), using Table 2.5 from the 2023 ARP. The remainder of Stream Reach 1 accretions (-76.1 AF) were not used by Subdistrict No. 1 or any other Subdistrict.

AUGUST 2023

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 2023 ARP. On August 1st, the ditches on the Rio Grande continued diverting water for the 2023 Irrigation Season. Subdistrict No. 1 is using response function accretions from Stream Reach 1 (-201.6 AF) to offset Stream Reach 2 depletions (58.8 AF) and Stream Reach 3 depletions (7.7 AF), using Table 2.5 from the 2023 ARP. The remainder of Stream Reach 1 accretions (-135.1 AF) were not used by Subdistrict No. 1 or any other Subdistrict.

SEPTEMBER 2023

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 September on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2023 ARP. On September 1st, the ditches on the Rio Grande continued diverting water for the 2023 Irrigation Season. Subdistrict No. 1 is using response function accretions from Stream Reach 1 (213.5 AF) to offset Stream Reach 2 depletions (61.0 AF) and Stream Reach 3 depletions (9.7 AF), using Table 2.5 from the 2023 ARP. The remainder of Stream Reach 1 accretions (-142.8 AF) were not used by Subdistrict No. 1 or any other Subdistrict.

OCTOBER 2023

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 2023 ARP. On October 1st, the ditches on the Rio Grande continued diverting water for the 2023 Irrigation Season. Subdistrict No. 1 is using response function accretions from Stream Reach 1 (-227.0 AF) to offset Stream Reach 2 depletions (52.4 AF) and Stream Reach 3 depletions (34.1 AF), using Table 2.5 from the 2023 ARP. The remainder of Stream Reach 1 accretions (-140.5 AF) were not used by Subdistrict No. 1 or any other Subdistrict.

NOVEMBER 2023

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 November on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2023 ARP. On November 8th, 2023, the ditches on the Rio Grande stopped diverting water for the 2023 Irrigation Season. Subdistrict No. 1 used response function accretions from Stream Reach 1 (-221.8 AF) to offset Stream Reach 2 depletions (48.2 AF) and Stream Reach 3 depletions (11.1 AF), using Table 2.5 from the 2023 ARP. The remainder of Stream Reach 1 accretions (-162.5 AF) were not used by Subdistrict No. 1 or any other Subdistrict.

DECEMBER 2023

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 2023 ARP. Subdistrict No. 1 is using response function accretions from Stream Reach 1 (-211.9 AF) to offset Stream Reach 2 depletions (59.7 AF) and Stream Reach 3 depletions (5.3 AF), using Table 2.5 from the 2023 ARP. The remainder of Stream Reach 1 accretions (-146.6 AF) were not used by Subdistrict No. 1 or any other Subdistrict.

JANUARY 2024

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 2023 ARP. Subdistrict No. 1 is using response function accretions from Stream Reach 1 (-192.7 AF) to offset Stream Reach 2 depletions (67.2 AF), using Table 2.5 from the 2023 ARP. The remainder of Stream Reach 1 accretions (-125.5 AF) and Stream Reach 3 accretions (-2.2 AF) were not used by Subdistrict No. 1 or any other Subdistrict

Remaining 2023 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 for the months of February and March of 2024 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 stored reservoir water releases, if needed, for the remaining period of the 2023 ARP year through April 30, 2024.

Table 7.1 illustrates the replacement water accounting for Subdistrict #1 during the 2023 ARP year on a monthly basis.

Table 7.1
Subdistrict #1 Monthly Stream Replacement Obligation for the 2023 ARP Year with Replacement Source to Fulfill Obligation. (Units in ac ft)

Stream Reach Obligation	March 2023	April 2023	May 2023	June 2023	July 2023	August 2023	September 2023	October 2023	November 2023	December 2023	January 2024	February 2024	March 2024	April 2024
SR-1	-25.7	-25.8	-46.6	-92.5	-153.6	-201.6	-213.5	-227.0	-221.8	-211.9	-192.7	-172.7	-88.8	-87.3
SR-2	99.9	83.6	88.3	79.4	67.2	58.8	61.0	52.4	48.2	59.7	67.2	64.7	67.8	58.9
SR-3	-13.1	-19.1	6.1	28.0	10.3	7.7	9.7	34.1	11.1	5.3	-2.2	-5.5	-9.5	-11.9
Total Replacement	**61.1**	**38.7**	**47.8**	**14.9**	**-76.1**	**-135.1**	**-142.8**	**-140.5**	**-162.5**	**-146.9**	**-127.7**	**-113.5**		
SR-1														
RGR Water														
Release of Accretion	-25.7	-25.8	-46.6	-92.5	-77.5	-66.5	-70.7	-86.5	-59.3	-65.0	-67.2	-64.7	-67.8	-58.9
SMRC Water														
Excess Accretion					-76.1	-135.1	-142.8	-140.5	-162.5	-146.9	-127.7	-113.5	-21.0	-28.4
CBP Allocation														
SR-2														
RGR Water														
Use of Accretions	38.8	44.9	46.6	79.4	67.2	58.8	61.0	52.4	48.2	59.7	67.2	64.7	67.8	58.9
CBP Allocation Shortage-SMRC Water		27.5												
SMRC Water		38.7	41.7											
CBP Allocation	61.1													
SR-3														
Excess Accretion											-2.2	-5.5	-9.5	-11.9
Release of Accretion	-13.1	-19.1												
Use of Accretions				13.1	10.3	7.7	9.7	34.1	11.1	5.3				
SMRC Water			6.1	14.9										
CBP Allocation														
Creditable Production of CBP to RG	62	818	930	630	524	169	290	516	867	797				

Explanation of Abbreviations:
*RGR Water: Rio Grande Reservoir Pool Water
*SMRC Water: Subdistrict #1 Santa Maria Reservoir Company (SMRC) Reservoir Water
*CBP Allocation: Closed Basin Project Allocation for Subdistrict
#1 Notes:
March and April 2024 stream depletions have not yet been delivered but are calculated by the response function using final 2023 CDWR data.

Summary

Pursuant to the 2023 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 2023 ARP year. The projected depletions on the Rio Grande for all three stream reaches in the 2023 ARP for Subdistrict #1 approved by the SEO for the 2023 Plan Year was -1,251.7 ac- ft. The actual total of depletions for all three stream reaches on the Rio Grande is -267.3 ac-ft.

Subdistrict #1 will have under paid +/- **3.8** ac-ft in replacement water for actual stream depletions on the Rio Grande during the 2023 Plan Year. This number is calculated by looking at depletions owed and paid by reservoir releases in May 2023 and June 2023. The depletions in Stream Reaches 2 & 3 went down but so did the accretions that were used in those months from Stream Reach 1. All months after June 2023 (July 2023 through April 2024) still have excess accretion from Stream Reach 1 and they still cover the amount of depletions to Stream Reach 2 & 3.

When receiving the approval letter from CDWR for the 2023 ARP, WDID 2014645 was removed from the 2023 ARP Well List. After further findings, it was found that WDID 2014645 had an approved contract through the Subdistrict and legal use pursuant to a new decree. WDID 2014645 was added back to the Subdistrict #1 ARP Well List and the diversion from this well was added into the pumping calculations for this report.

After October 6th, 2024 there was a 0% curtailment set on the Rio Grande River through November 8th, 2024. During this period, Subdistrict #1 was replacing depletions in Stream Reach 2 and Stream Reach 3 by aggregating accretions from Stream Reach 1. It was monitored through this period to make sure there was not a “dry” stretch of river during this period where accretions from Stream Reach 1 would not make it to the downstream reaches. Discussion took place with the Centennial Ditch to make sure that Subdistrict #1 could carry depletion water, via the Centennial Carriage Agreement, if this situation occurred. The Rio Grande River did not “dry-up” during this period and Subdistrict #1 continued to replace depletions by aggregating accretion from Stream Reach 1.

Beginning May 1, 2023, 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 identified that in May & June 2023 during the term of the 2023 ARP year that the monthly stream depletion obligation for the stream reaches may not have been met.

8.0 CENTENNIAL DITCH COMPANY AGREEMENT

During the 2023 ARP year, The Rio Grande River was monitored through a period of 0 % curtailment to make sure there was not a “dry” stretch of river during this period where accretions from Stream Reach 1 would not make it to the downstream reaches. Discussion took place with the Centennial Ditch to make sure that Subdistrict #1 could carry depletion water, via the Centennial Carriage Agreement, if this situation occurred. Subdistrict #1 did not use the Centennial Ditch Agreement to carry replacement water to calling water rights below the Excelsior Ditch diversion dam during the 2023 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 continue to monitor the lower stream reaches in the future and use 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 2023 Plan Year. Sign-up into CREP in Subdistrict #1 is currently ongoing with the pending approval of the Farm Bill in 2023. As of the time of this report, Subdistrict #1 has a total of 87 CREP contracts that include 10,508.56 acres and 189 irrigation wells that have approximately 14,213 ac-ft of groundwater withdrawals annually in Subdistrict #1. Of the total acres enrolled, 4,209.6 acres are enrolled into a permanent CREP contract term while 6,298.96 acres are enrolled into a temporary CREP contract term. The USDA FSA found all but one existing 2014 thru 2023 fiscal year CREP contracts in Subdistrict #1 to be in cropping and water use compliance at the end of the 2023 fiscal year, September 30, 2023, 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.

Two CREP contracts were also terminated in the 2023 Plan Year. These contracts were asked to be terminated by the contract holder when the Subdistrict received written request to terminate from the contract holder on May 25th, 2023. The Subdistrict #1 board of managers approved this termination on June 6th, 2023 with the understanding that FSA would terminate their portion of the contract as well. To be able to complete termination, repayment of back payments and a percentage of future obligations was paid on June 16th, 2023. Wells that supply these quarters will most likely go back into production and will need to be within State standard to be able to withdraw groundwater. All WDID (s) associated with these quarters are currently on the Subdistrict #1 ARP Well List.

2023 CREP Contract Terminations:

1) ALA#49-2021
   a. WDID (s): 2006678 & 2006679
   b. Acres Served: 120 acres
2) ALA#50-2021
   a. WDID (s): 2005923
   b. Acres Served: 120 acres

The Subdistrict's incentive and annual payments alone were approximately $940,486 in 2023. A map of the locations of these CREP parcels is included in Appendix F.

Subdistrict #1 established a Four-Year Fallow program in 2018 and stopped offering the program in 2021. A total of 1,114.55 acres were fallowed with the requirement that zero water will be applied to the field in 2023. 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 in 2023 is approximately 1,806 ac-ft of water.

9.2 Permanent Land & Water 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, 960 acres of the San Luis Valley Irrigation District shares, three irrigation groundwater wells and several small stock water wells.

Based on total head-gate 5-year average of diversions for the Rio Grande Canal, SLV Canal and Farmers Union during the 2023 irrigation season the Subdistrict with their 59.5 shares of Rio Grande Canal, 948 acres of the Farmers Union, and 1000 shares of SLV Canal diverted approximately 2,729 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 2023. 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.

In 2023, the Subdistrict offered to purchase irrigation wells through the Well Purchase Program. Fifteen irrigation wells were purchased in 2023 and they irrigated approximately 1303 acres and approximately 1650.81 ac-ft of groundwater withdrawal will be retired to help the aquifer reach and maintain the sustainability goal.

Since the WPP Program began in 2021, Subdistrict #1 has purchased 50 wells which has retired approximately 3,827 acres from irrigating with groundwater. The total average pumping retired from purchasing these wells is approximately 4,426 AF. All wells purchased through the Subdistrict #1 Well Purchase Program are included in Appendix H.

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 J 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.

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 #1consider 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. This 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 SW¼ 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 SW¼ 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 SW¼ 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.

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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 NW¼ 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 NW¼ 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 2020-2023.

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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 SW¼ 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 E½ 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 E½ 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 E½ 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 SW¼ of Section 8, and authorizes the use of the wells for irrigation of the E½ 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 SW¼ of Section 8, the injurious depletions from which are remedied pursuant to the Amended Plan. Accordingly, the wells are Subdistrict Wells and the SW¼ of Section 8 is Subdistrict Land. The E½ 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.

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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 W½ SE¼ 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 E½ SE¼ of Section 8.

The plan for augmentation allows the wells to irrigate the W½ SE¼ 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 W½ SE¼ 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 E½ SE¼ of Section 8.

The E½ SE¼ 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 E½ SE¼ of Section 8 are remedied pursuant to the Amended Plan as implemented by the ARP. The W½ SW¼ of Section 8 is treated as Non-Benefitted Subdistrict Land and is not assessed Subdistrict fees. In addition, the SE¼ of section 8 is part of a larger Farm Unit, so it is necessary to include the entire SE¼ 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 E½ SE¼ 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 W½SE¼ of Section 7. The plan for augmentation sought authorization for the three wells to irrigate the entire SE¼ 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 SE¼ 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.

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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 are 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.

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For the 2023 ARP Year, the Division Engineer approved the operation of these wells under the Subdistrict #1 ARP, with certain terms and conditions. During the 2023 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.

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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 2023, 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.

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Case No. 01CW06, Application of Kimothy and De Ann 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 NE¼ 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 NE¼ 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 NE¼ 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 No.1A, W-3847 which irrigates the SW¼ S13, T40N, R06E, N.M.P.M. and WDID 2005399, Permit # 25361-F, Well No. 2-A, W-3847 which irrigates the NE¼ 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 No. 1 and WDID 2005932, Permit # 16940-F, Well No. 2 both of W-3325 which also irrigated the SE¼ S13, T40N, R06E, N.M.P.M. and the SW¼ 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

11.0 Great Sand Dunes National Park Services

On January 14, 2021 the division engineer accepted the NPS sustainability metric. In 2023, 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. The approved metric and pumping report can be found in Appendix K.

12.0 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 ±½ 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 well pumping within Subdistrict #1.

Appendix C contains maps showing the results of groundwater measurements collected during spring 2023. These maps include interpreted groundwater elevation contours and vectors showing direction of groundwater flow. If a well-defined 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 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 2023 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.

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

13.1 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.

13.2 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 is 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.

The change in unconfined aquifer storage based on measurements through January 23, 2024, and calculated on January 23, 2024, was -1,269,331 acre-feet on an accumulated monthly basis. The accumulated 5-year running average of the annual average of the monthly change through December 1, 2023, was -1,196,870 acre-feet. As previously noted, the goal in the Plan is to achieve recovery and maintain storage at a level between -200,000 and -400,000 acre-feet. The December 1, 2023, storage value is 796, 870 acre-feet below the lowest goal level.

Figure 13.1

Change Showing Change in Unconfined Storage

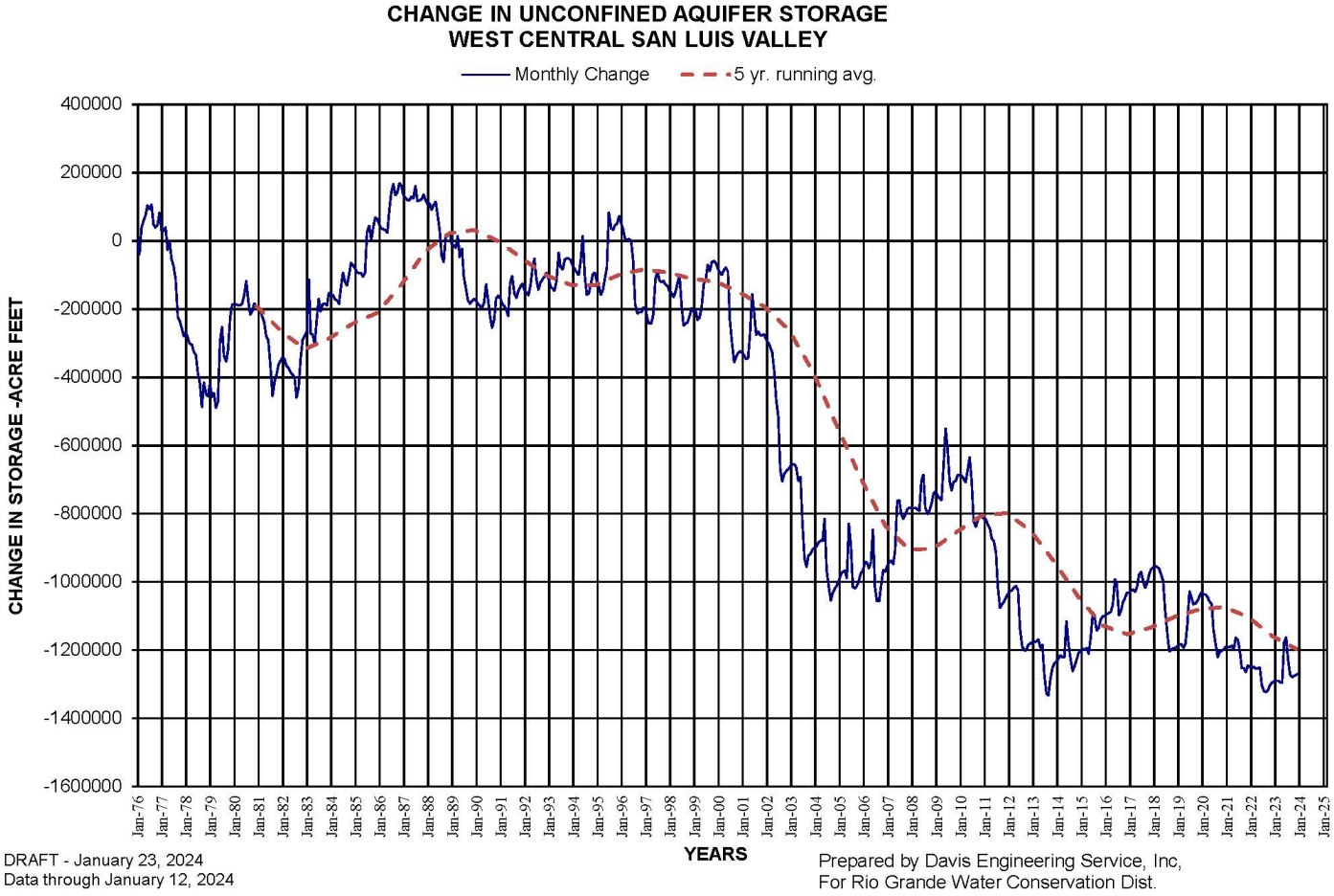

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Table 1: Subdistrict No. 1 depletions per Table 2.5 in the accepted 2022 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Net Stream Depletions for 2022 ARP Year submitted to the Colorado State Engineer's Office on May 1, 2022. January 2023 Depletion Obligation Total: 76.81 ac-ft. 2022 Replacement Operation Total: 76.81 ac-ft (all units' are in acre feet).

Table 1

Date	*Depletion Obligation*				*SD #1 Replacement Water Sources*									
January 2023	**SR-1 Ac-ft.**	**SR-2 Ac-ft.**	**SR-3 Ac-ft.**	**Total Required 2022 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**	**Santa Maria depletion Pool SR 2 Ac-ft**	**CBP Allocation SR 2 & SR3 Ac-ft.**	**Accretion Exchange from SRMC SR1 to SR 2 Ac-Ft.**	**Accretion Exchange From SMRC SR 3 Ac-ft.**	**Total**
1	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
2	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
3	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
4	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
5	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
6	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
7	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
8	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
9	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
10	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
11	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
12	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
13	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
14	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
15	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
16	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
17	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
18	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
19	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
20	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
21	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
22	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
23	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
24	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
25	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
26	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
27	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
28	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
29	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
30	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
31	-0.5580	3.174	-0.138	2.478	0	0	0	0	0	0	2.478	0	0	2.478
Totals	**-17.299**	**98.399**	**-4.299**	**76.81**							**76.81**			**76.81**

Table 2: District 20 Rio Grande River Call for January 2023 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

Table 2

January 2023	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1		Rio Grande Compact	**0**
2		Rio Grande Compact	**0**
3		Rio Grande Compact	**0**
4		Rio Grande Compact	**0**
5		Rio Grande Compact	**0**
6		Rio Grande Compact	**0**
7		Rio Grande Compact	**0**
8		Rio Grande Compact	**0**
9		Rio Grande Compact	**0**
10		Rio Grande Compact	**0**
11		Rio Grande Compact	**0**
12		Rio Grande Compact	**0**
13		Rio Grande Compact	**0**
14		Rio Grande Compact	**0**
15		Rio Grande Compact	**0**
16		Rio Grande Compact	**0**
17		Rio Grande Compact	**0**
18		Rio Grande Compact	**0**
19		Rio Grande Compact	**0**
20		Rio Grande Compact	**0**
21		Rio Grande Compact	**0**
22		Rio Grande Compact	**0**
23		Rio Grande Compact	**0**
24		Rio Grande Compact	**0**
25		Rio Grande Compact	**0**
26		Rio Grande Compact	**0**
27		Rio Grande Compact	**0**
28		Rio Grande Compact	**0**
29		Rio Grande Compact	**0**
30		Rio Grande Compact	**0**
31		Rio Grande Compact	**0**

Contact person responsible for the operation and accounting for Subdistrict No. 1:
Linda Ramirez Office Phone: 719-589-6301
Program Assistant, RGWCD

Table 1: Subdistrict No. 1 depletions per Table 2.5 in the accepted 2022 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Net Stream Depletions for 2022 ARP Year submitted to the Colorado State Engineer's Office on May 1, 2022. February 2023 Depletion Obligation Total: 67 ac-ft. 2022 Replacement Operation Total: 67 AF (all units are in acre feet).

Table 1

Date	*Depletion Obligation*				*SD #1 Replacement Water Sources*									
February 2023	**SR-1 Ac-ft.**	**SR-2 Ac-ft.**	**SR-3 Ac-ft.**	**Total Required 2022 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**	**Santa Maria depletion Pool SR 2 Ac-ft**	**CBP Allocation SR 2 & SR3 Ac-ft.**	**Accretion Exchange from SRMC SR1 to SR 2 Ac-Ft.**	**Accretion Exchange From SMRC SR 3 Ac-ft.**	**Total**
1	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
2	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
3	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
4	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
5	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
6	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
7	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
8	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
9	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
10	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
11	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
12	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
13	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
14	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
15	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
16	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
17	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
18	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
19	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
20	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
21	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
22	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
23	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
24	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
25	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
26	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
27	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
28	-0.607	3.361	-0.371	2.393	0	0	0	0	0	0	2.393	0	0	2.393
Totals	**-17**	**94.1**	**-10.4**	**67**							**67**			**67**

Table 2: District 20 Rio Grande River Call for February 2023 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

Table 2

February 2023	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1		Rio Grande Compact	**0**
2		Rio Grande Compact	**0**
3		Rio Grande Compact	**0**
4		Rio Grande Compact	**0**
5		Rio Grande Compact	**0**
6		Rio Grande Compact	**0**
7		Rio Grande Compact	**0**
8		Rio Grande Compact	**0**
9		Rio Grande Compact	**0**
10		Rio Grande Compact	**0**
11		Rio Grande Compact	**0**
12		Rio Grande Compact	**0**
13		Rio Grande Compact	**0**
14		Rio Grande Compact	**0**
15		Rio Grande Compact	**0**
16		Rio Grande Compact	**0**
17		Rio Grande Compact	**0**
18		Rio Grande Compact	**0**
19		Rio Grande Compact	**0**
20		Rio Grande Compact	**0**
21		Rio Grande Compact	**0**
22		Rio Grande Compact	**0**
23		Rio Grande Compact	**0**
24		Rio Grande Compact	**0**
25		Rio Grande Compact	**0**
26		Rio Grande Compact	**0**
27		Rio Grande Compact	**0**
28		Rio Grande Compact	**0**

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

Table 1: Subdistrict No. 1 depletions per Table 1.5 in the accepted 2022 Annual Report (AR): Subdistrict No. 1 Monthly Net Stream Depletions for 2022 AR submitted to the Colorado State Engineer's Office on March 1st, 2023. March 2023 Depletion Obligation Total: 61.1 ac-ft. 2022 Replacement Operation Total: 61.1 AF (all units are in acre feet).

Table 1

Date	*Depletion Obligation*				*SD #1 Replacement Water Sources*									
March 2023	**SR-1 Ac-ft.**	**SR-2 Ac-ft.**	**SR-3 Ac-ft.**	**Total Required 2022 AR**	**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**	**Santa Maria depletion Pool to SR 2 Ac-ft**	**CBP Allocation to SR 2 Ac-ft.**	**Accretion Exchange from SR1 to SR 2 Ac-Ft.**	**Accretion Exchange From SR 3 to SR2 Ac-ft.**	**Total to SR2**
1	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
2	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
3	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
4	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
5	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
6	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
7	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
8	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
9	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
10	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
11	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
12	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
13	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
14	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
15	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
16	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
17	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
18	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
19	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
20	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
21	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
22	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
23	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
24	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
25	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
26	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
27	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
28	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
29	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
30	-0.829	3.223	-0.423	1.971	0	0	0	0	0	0	1.971	0.829	0.423	3.22
31	-0.829	3.223	-0.423	1.971	0	0	0	0	0	1.53*	1.971	0.829	0.423	3.22
Totals	**-25.7**	**99.9**	**-13.1**	**61.1**						**1.53***	**61.1**			**99.91**

***Start Releases out of SMRC shares from Santa Maria for April 2023 depletions to SR2 using accretions from SR1 & SR3.**

Table 2: District 20 Rio Grande River Call for March 2023 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

Table 2

March 2023	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1		Rio Grande Compact	**0**
2		Rio Grande Compact	**0**
3		Rio Grande Compact	**0**
4		Rio Grande Compact	**0**
5		Rio Grande Compact	**0**
6		Rio Grande Compact	**0**
7		Rio Grande Compact	**0**
8		Rio Grande Compact	**0**
9		Rio Grande Compact	**0**
10		Rio Grande Compact	**0**
11		Rio Grande Compact	**0**
12		Rio Grande Compact	**0**
13		Rio Grande Compact	**0**
14		Rio Grande Compact	**0**
15		Rio Grande Compact	**0**
16		Rio Grande Compact	**0**
17		Rio Grande Compact	**0**
18		Rio Grande Compact	**0**
19		Rio Grande Compact	**0**
20		Rio Grande Compact	**0**
21		Rio Grande Compact	**0**
22		Rio Grande Compact	**0**
23		Rio Grande Compact	**0**
24		Rio Grande Compact	**0**
25		Rio Grande Compact	**0**
26		Rio Grande Compact	**0**
27		Rio Grande Compact	**0**
28		Rio Grande Compact	**0**
29		Rio Grande Compact	**0**
30		Rio Grande Compact	**0**
31		Rio Grande Compact	**0**

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

Table 1: Subdistrict No. 1 depletions per Table 1.5 in the accepted 2022 Annual Report (AR): Subdistrict No. 1 Monthly Net Stream Depletions for 2022 AR submitted to the Colorado State Engineer's Office on March 1, 2023. April 2023 Depletion Obligation Total**: 38.7 ac-ft total** (using accretions from Stream Reach 1 & 3) with 15 % loss to Stream Reach 2; Replacement Operation Total: **45.736 AF** (all units are in acre feet).

Date	*Depletion Obligation*				*SD #1 Replacement Water Sources*								
April 2023	**SR-1 Ac-ft.**	**SR-2 Ac-ft.**	**SR-3 Ac-ft.**	**Total Required 2022 AR to SR2 (Ac-ft.)**	**Forbearance (Ac-ft.)**	**Forbear MVC SR 1&2 (Ac-ft.)**	**SLVID Tabor D 2 TM SR 1&2 (Ac-ft.)**	**Santa Maria Shares for Depletions to SR 2 w/ 15% Loss (Ac-ft.)**	**Santa Maria Shares for Depletions to SR 3 w/ 20% Loss (Ac-ft.)**	**Santa Maria Shares for CBP Allocation Shortage to SR2 w/ 15% Loss (Ac-ft.)**	**Accretion Exchange from SR1 to SR 2 (Ac-ft.)**	**Accretion Exchange from SR 3 to SR 2 (Ac-ft.)**	**Total**
2022 AR for April 2023	**-25.8**	**83.6**	**-19.1**	**38.7**				**45.5**					
31	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
1	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
2	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
3	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
4	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
5	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
6	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
7	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
8	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
9	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
10	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
11	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
12	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
13	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
14	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
15	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
16	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
17	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
18	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
19	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
20	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
21	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
22	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
23	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
24	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
25	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
26	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
27	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
28	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	32.35[1]	0.86	0.64	35.397
29	-0.86	2.79	-0.64	1.29	0	0	0	0.873	0.258*	0	0.86	0.64	2.37
30*	-1.55	2.94	0.258	1.648				1.583*	0.258*	0	1.55*	0	0.00
Totals (not including last day of current month)	**25.8**	**83.7**	**-19.2**	**38.7**				**45.736**	**0**	**32.4**	**25.8**	**19.2**	**123.14**

[1] Release for Closed Basin Canal winter time depletion allocation shortage (27.5 AF with 15% loss to Stream Reach 2)

* Start of Releases for May 2023 depletion replacement obligations to Stream Reach 2 & Stream Reach 3

Table 2: District 20 Rio Grande River Call for April 2023 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Reports – Division 3, District 20.

April 2023	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1	163	Excelsior Ditch	**No Forbearance in April 2023**
2	198	Enterprise Ditch	Releasing Water From SMRC Shares
3	190	Minor Ditch	
4	216-A	Rio Grande Canal	
5	216-A	Rio Grande Canal	
6	192	Nichol Ditch	
7	197	Biedel Ditch	
8	198	Enterprise Ditch	
9	216-A	Rio Grande Canal	
10	216-A	Rio Grande Canal	
11	216-A	Rio Grande Canal	
12	236-A	Empire Canal	
13	293	Costilla Ditch	
14	312-A	Rio Grande Canal	
15	270	San Luis Valley Canal	
16	236-A	Empire Canal	
17	236-A	Empire Canal	
18	262	Excelsior Ditch	
19	293	Costilla Ditch	
20	259	Westside Ditch	
21	236-A	Empire Canal	
22	236-A	Empire Canal	
23	236-A	Empire Canal	
24	236-A	Empire Canal	
25	270	San Luis Valley Canal	
26	270	San Luis Valley Canal	
27	236-A	Empire Canal	
28	270	San Luis Valley Canal	
29	270	San Luis Valley Canal	
30	314	Farmers' Union Canal	

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

Table 1: Subdistrict No. 1 depletions per Table 2.5 in the accepted 2023 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Net Stream Depletions for 2023 ARP Year submitted to the Colorado State Engineer's Office on April 14, 2023. May 2023 Depletion Obligation Total: Stream Reach 2: 41.7 AF; Stream Reach 3: 6.1 AF- May 2023 Replacement Operation Total: Stream Reach 2: 49.06 AF; Stream Reach 3: 7.63 AF Total: 56.69 AF

Date	Depletion Obligation					SD #1 Replacement Water Sources							
May 2023	SR-1 Ac-ft.	SR-2 Ac-ft.	SR-3 Ac-ft.	Total Required to SR2	Total Required to SR3	Forbearance (Ac-ft.)	Santa Maria Water for Depletions to SR 2 w/ 15% Loss (Ac-ft.)	Santa Maria Water for Depletions to SR 2 w/ 15% Loss (cfs.)	Santa Maria Water for Depletions to SR 3 w/ 20% Loss (Ac-ft.)	Santa Maria Water for Depletions to SR 3 w/ 20% Loss (cfs.)	Accretion Exchange from SR1 to SR 2 (Ac-ft.)	Accretion Exchange from SR 1 to SR 3 (Ac-ft.)	Total Wet Water
2023 ARP for May 2023	-46.6	88.3	6.1	41.7	6.1		49.06		7.63		46.6		
29	-0.86	2.790	-0.64			**0**	0.873	0.44	0.258	0.13	0.860	0	1.991
30	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
1	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
2	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
3	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
4	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
5	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
6	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
7	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
8	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
9	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
10	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
11	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
12	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
13	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
14	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
15	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
16	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
17	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
18	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
19	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
20	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
21	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
22	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
23	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
24	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
25	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
26	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
27	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
28	-1.503	2.848	0.197			0	1.587	0.80	0.258	0.13	1.503	0	3.348
29	-1.503	2.848	0.197			0	1.587	0.80	0.198	0.10	1.503	0	3.288
30	-1.376	2.613	0.150			0	1.468	0.74	0.621*	0.31*	1.376	0.437*	2.844
31	-3.084*	2.647*	0.933*			0	0*	0*	0.621*	0.31*	2.647*	0.437*	
Totals (not including deliveries for next month)-All Values in AF	**46.6**	**88.3**	**6.1**				**49.06**	**49.06**	**7.63**	**7.63**	**46.6**		**56.68**

* Start of June 2023 Replacement Obligations for Lag time from Reservoir

Table 2: District 20 Rio Grande River Call for May 2023 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

May 2023	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1	365	Rio Grande Canal	**No Forbearance in May 2023**
2	1903-22C	Prairie Ditch	
3	1903-22F	Blanca Canal	
4	1903-24F	Farmers' Union Canal	
5	1903-24F	Farmers' Union Canal	
6	1903-24C	Rio Grande Canal	
7	1903-22B	San Luis Valley Canal	
8	365	Rio Grande Canal	
9	1903-17	Rio Grande Lariat Ditch	
10	1903-22E	Farmers' Union Canal	
11	1903-22E	Farmers' Union Canal	
12	365	Rio Grande Canal	
13	365	Rio Grande Canal	
14	365	Rio Grande Canal	
15	1903-22C	Prairie Ditch	
16	1903-24F	Farmers' Union Canal	
17	1903-34G	Farmers' Union Canal	
18	1903-37D	Prairie Ditch	
19	1903-34H	Blanca Canal	
20	1903-41D	Prairie Ditch	
21	1903-45D	San Luis Valley Canal	
22	1903-34C	Rio Grande Canal	
23	1903-30D	Prairie Ditch	
24	1903-30F	Farmers' Union Canal	
25	1903-37B	Rio Grande Canal	
26	1903-45C	Rio Grande Canal	
27	1903-46C	Rio Grande Canal	
28	1903-49D	Rio Grande Canal	
29	1903-49D	Rio Grande Canal	
30	1903-49B	Monte Vista Canal	
31	1903-46C	Rio Grande Canal	

Contact person responsible for the operation and accounting for Subdistrict No. 1:
Taylor Chick Office Phone: 719-589-6301
Program Manager, Subdistrict #1

Table 1: Subdistrict No. 1 depletions per Table 2.5 in the accepted 2023 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Stream Replacement Obligation for 2023 ARP Year submitted to the Colorado State Engineer's Office on April 14, 2023. June 2023 Depletion Obligation Total: 14.9 ac-ft to Stream Reach 3; June 2023 Replacement Operation Total: 18.63 ac-ft to Stream Reach 3 (20 % loss calculated)

Date	*Depletion Obligation*				*SD #1 Replacement Water Sources*				
June 2023	**SR-1 Ac-ft.**	**SR-2 Ac-ft.**	**SR-3 Ac-ft.**	**Total Required to SR3 (Ac-ft.)**	**SR-1 Accretion Exchange to SR-2 (Ac-ft.)**	**SR-1 Accretion Exchange to SR-3 (Ac-ft.)**	**Santa Maria Water for Depletions to SR 3 w/ 20% Loss (Ac-ft.)**	**Santa Maria Water for Depletions to SR 3 w/ 20% Loss (CFS)**	**Total (AF)**
2023 ARP for June 2023	**-92.5**	**79.4**	**28**	**14.9**	**79.4**	**13.1**	**18.63**		
May 30th	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
May 31st	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
1	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
2	-3.08	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
3	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
4	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
5	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
6	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
7	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
8	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
9	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
10	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
11	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
12	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
13	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
14	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
15	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
16	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
17	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
18	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
19	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
20	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
21	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
22	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
23	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
24	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
25	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
26	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
27	-3.083	2.647	0.933	0.497	2.647	0.437	0.621	0.31	3.71
28	-3.342	2.896	0.965	0.519	2.896	0.445	0.650	0.34	3.99
29									
30									
Total (AF)	**92.749**	**79.659**	**28.022**	**14.932**	**79.659**	**13.118**	**18.659**	**18.51**	**111.44**

Table 2: District 20 Rio Grande River Call for June 2023 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

June *2023*	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1	1903-37D	Rio Grande Canal	**No Forbearance in June**
2	1903-30A	Monte Vista Canal	
3	1903-24A	Monte Vista Canal	
4	1903-22C	Prairie Ditch	
5	1903-22B	San Luis Valley Canal	
6	1903-22E	Farmers' Union Canal	
7	1903-30F	Farmers' Union Canal	
8	1903-41D	Prairie Ditch	
9	1903-34D	San Luis Valley Canal	
10	1903-30F	Farmers' Union Canal	
11	1903-24F	Farmers' Union Canal	
12	1903-24F	Farmers' Union Canal	
13	1903-24E	Prairie Ditch	
14	1903-22E	Farmers' Union Canal	
15	365	Rio Grande Canal	
16	365	Rio Grande Canal	
17	365	Rio Grande Canal	
18	365	Rio Grande Canal	
19	365	Rio Grande Canal	
20	365	Rio Grande Canal	
21	365	Rio Grande Canal	
22	365	Rio Grande Canal	
23	363-A	Rio Grande Canal	
24	361-B	Empire Canal	
25	338 1/2 A	Rio Grande Canal	
26	297	Prairie Ditch	
27	293	Costilla Ditch	
28	297	Prairie Ditch	
29	312-A	Rio Grande Canal	
30	297	Prairie Ditch	

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

Table 1: Subdistrict No. 1 depletions per Table 2.5 in the accepted 2023 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Stream Replacement Obligation for 2023 ARP Year submitted to the Colorado State Engineer's Office on April 14, 2023. July 2023 Depletion Obligation Total: 67.2 ac-ft to Stream Reach 2 & 10.3 ac-ft to Stream Reach 3; July 2023 Replacement Operation Total: Use of 77.54 ac-ft of Stream Reach 1 accretions to Stream Reach 2 & 3 (76.1 ac-ft of Stream Reach 1 accretions leftover)

Date	*Depletion Obligation*				*SD #1 Replacement Water Sources*				
July 2023	**SR-1 Ac-ft.**	**SR-2 Ac-ft.**	**SR-3 Ac-ft.**	**Total Accretions left from SR-1(Ac-ft.)**	**SR-1 Accretion Exchange to SR-2 (Ac-ft.)**	**SR-1 Accretion Exchange to SR-2 (cfs)**	**SR-1 Accretion Exchange to SR-3 (Ac-ft.)**	**SR-1 Accretion Exchange to SR-3 (cfs)**	**Total (AF)**
2023 ARP for July 2023	**-153.6**	**67.2**	**10.3**	**-76.1**	**67.2**		**10.30**		
1	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
2	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
3	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
4	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
5	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
6	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
7	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
8	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
9	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
10	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
11	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
12	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
13	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
14	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
15	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
16	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
17	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
18	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
19	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
20	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
21	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
22	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
23	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
24	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
25	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
26	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
27	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
28	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
29	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
30	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
31	-4.955	2.34	0.19835	-2.314	2.341	1.18	0.198	0.1	2.54
Total (AF)	**153.61**	**67.38**	**10.31**	**-75.96**	**67.20**	**67.20**	**10.31**	**10.31**	**77.52**

Table 2: District 20 Rio Grande River Call for July 2023 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

July 2023	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1	288-A	Rio Grande Canal	**No Forbearance in July**
2	262	Excelsior Ditch	
3	241	Rio Grande Piedra Valley Ditch	
4	236-A	Empire Canal	
5	236-A	Empire Canal	
6	236-A	Empire Canal	
7	236-A	Empire Canal	
8	224	Monte Vista Canal	
9	224	Monte Vista Canal	
10	217	Rio Grande Lariat Ditch	
11	217	Rio Grande Lariat Ditch	
12	217	Rio Grande Lariat Ditch	
13	217	Rio Grande Lariat Ditch	
14	217	Rio Grande Lariat Ditch	
15	216-A	Rio Grande Canal	
16	216-A	Rio Grande Canal	
17	216-A	Rio Grande Canal	
18	216-A	Rio Grande Canal	
19	211	Lease, Davis and Bingle D	
20	209	Fish Ditch	
21	204	Rio Grande San Luis Ditch	
22	198	Enterprise Ditch	
23	198	Enterprise Ditch	
24	198	Enterprise Ditch	
25	197	Biedel Ditch	
26	190	Minor Ditch	
27	187	Bauer Ditch	
28	187	Bauer Ditch	
29	193	John Anderson Ditch	
30	190	Minor Ditch	
31	187	Bauer Ditch	

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

Table 1: Subdistrict No. 1 depletions per Table 2.5 in the accepted 2023 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Stream Replacement Obligation for 2023 ARP Year submitted to the Colorado State Engineer's Office on April 14, 2023. August 2023 Depletion Obligation Total: 58.8 ac-ft to Stream Reach 2 & 7.7 ac-ft to Stream Reach 3; August 2023 Replacement Operation Total: Use of 66.5 ac-ft of Stream Reach 1 accretions to Stream Reach 2 & 3 (135.1 ac-ft of Stream Reach 1 accretions leftover).

Date	*Depletion Obligation*				*SD #1 Replacement Water Sources*				
August 2023	**SR-1 Ac-ft.**	**SR-2 Ac-ft.**	**SR-3 Ac-ft.**	**Total Accretions left from SR-1(Ac-ft.)**	**SR-1 Accretion Exchange to SR-2 (Ac-ft.)**	**SR-1 Accretion Exchange to SR-2 (cfs)**	**SR-1 Accretion Exchange to SR-3 (Ac-ft.)**	**SR-1 Accretion Exchange to SR-3 (cfs)**	**Total (AF)**
2023 ARP for August 2023	**-201.6**	**58.8**	**7.7**	**-135.1**	**58.8**		**7.70**		
1	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
2	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
3	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
4	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
5	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
6	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
7	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
8	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
9	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
10	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
11	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
12	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
13	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
14	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
15	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
16	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
17	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
18	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
19	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
20	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
21	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
22	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
23	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
24	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
25	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
26	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
27	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
28	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
29	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
30	-6.503	1.904	0.238	-4.358	1.904	0.96	0.238	0.12	2.14
31	-6.424	1.686	0.555	-4.358	1.686	0.85	0.555	0.28	2.24
Total (AF)	**201.51**	**58.81**	**7.70**	**-135.10**	**58.81**	**58.81**	**7.70**	**7.70**	**66.51**

Table 2: District 20 Rio Grande River Call for August 2023 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

August 2023	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1	198	Enterprise Ditch	**No Forbearance in August 2023**
2	198	Enterprise Ditch	
3	198	Enterprise Ditch	
4	198	Enterprise Ditch	
5	178	Rio Grande Canal	
6	178	Rio Grande Canal	
7	173	Centennial Ditch	
8	146	Rio Grande Piedra Valley Ditch	
9	146	Rio Grande Piedra Valley Ditch	
10	146	Rio Grande Piedra Valley Ditch	
11	163	Excelsior Ditch	
12	173	Centennial Ditch	
13	190	Minor Ditch	
14	192	Nichol Ditch	
15	198	Enterprise Ditch	
16	190	Minor Ditch	
17	190	Minor Ditch	
18	190	Minor Ditch	
19	173	Centennial Ditch	
20	173	Centennial Ditch	
21	163	Excelsior Ditch	
22	146	Rio Grande Piedra Valley Ditch	
23	163	Excelsior Ditch	
24	163	Excelsior Ditch	
25	173	Centennial Ditch	
26	178	Rio Grande Canal	
27	197	Biedel Ditch	
28	197	Biedel Ditch	
29	178	Rio Grande Canal	
30	174	Chicago Ditch	
31	174	Chicago Ditch	

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

Table 1: Subdistrict No. 1 depletions per Table 2.5 in the accepted 2023 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Stream Replacement Obligation for 2023 ARP Year submitted to the Colorado State Engineer's Office on April 14, 2023. September 2023 Depletion Obligation Total: 61.0 ac-ft to Stream Reach 2 & 9.7 ac-ft to Stream Reach 3; September 2023 Replacement Operation Total: Use of 70.7 ac-ft of Stream Reach 1 accretions to Stream Reach 2 & 3 (142.8 ac-ft of Stream Reach 1 accretions leftover).

Date	*Depletion Obligation*				*SD #1 Replacement Water Sources*				
September 2023	**SR-1 Ac-ft.**	**SR-2 Ac-ft.**	**SR-3 Ac-ft.**	**Total Accretions left from SR-1(Ac-ft.)**	**SR-1 Accretion Exchange to SR-2 (Ac-ft.)**	**SR-1 Accretion Exchange to SR-2 (cfs)**	**SR-1 Accretion Exchange to SR-3 (Ac-ft.)**	**SR-1 Accretion Exchange to SR-3 (cfs)**	**Total (AF)**
2023 ARP for September 2023	**-213.5**	**61**	**9.7**	**-142.8**	**61**		**9.70**		
1	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
2	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
3	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
4	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
5	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
6	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
7	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
8	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
9	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
10	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
11	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
12	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
13	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
14	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
15	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
16	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
17	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
18	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
19	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
20	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
21	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
22	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
23	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
24	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
25	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
26	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
27	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
28	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
29	-7.117	2.033	0.323	-4.760	2.033	**1.02**	0.323	**0.16**	2.36
30	-6.998	2.328	0.497	-4.748	2.328	**1.18**	0.497	**0.25**	2.83
Total (AF)	**213.4**	**61.3**	**9.86**	**-142.8**	**61.3**	**61.0**	**9.9**	**9.7**	**70.7**

Table 2: District 20 Rio Grande River Call for September 2023 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

September 2023	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1	173	Centennial Ditch	**No Forbearance in September 2023**
2	163	Excelsior Ditch	
3	163	Excelsior Ditch	
4	163	Excelsior Ditch	
5	163	Excelsior Ditch	
6	163	Excelsior Ditch	
7	163	Excelsior Ditch	
8	163	Excelsior Ditch	
9	146	Rio Grande Piedra Valley Ditch	
10	146	Rio Grande Piedra Valley Ditch	
11	163	Excelsior Ditch	
12	173	Centennial Ditch	
13	174	Chicago Ditch	
14	179	Schuch Shmidt Ditch	
15	179	Schuch Shmidt Ditch	
16	197	Biedel Ditch	
17	197	Biedel Ditch	
18	192	Nichol Ditch	
19	198	Enterprise Ditch	
20	198	Enterprise Ditch	
21	198	Enterprise Ditch	
22	198	Enterprise Ditch	
23	196	Chicago Ditch	
24	192	Nichol Ditch	
25	190	Minor Ditch	
26	176	Hermanthal Ditch	
27	174	Chicago Ditch	
28	163	Excelsior Ditch	
29	163	Excelsior Ditch	
30	163	Excelsior Ditch	

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

Table 1: Subdistrict No. 1 depletions per Table 2.5 in the accepted 2023 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Stream Replacement Obligation for 2023 ARP Year submitted to the Colorado State Engineer's Office on April 14, 2023. October 2023 Depletion Obligation Total: 52.4 ac-ft to Stream Reach 2 & 34.1 ac-ft to Stream Reach 3; October 2023 Replacement Operation Total: Use of 86.5 ac-ft of Stream Reach 1 accretions to Stream Reach 2 & 3 (140.5 ac-ft of Stream Reach 1 accretions leftover).

Date	*Depletion Obligation*				*SD #1 Replacement Water Sources*				
October 2023	**SR-1 Ac-ft.**	**SR-2 Ac-ft.**	**SR-3 Ac-ft.**	**Total Accretions left from SR-1(Ac-ft.)**	**SR-1 Accretion Exchange to SR-2 (Ac-ft.)**	**SR-1 Accretion Exchange to SR-2 (cfs)**	**SR-1 Accretion Exchange to SR-3 (Ac-ft.)**	**SR-1 Accretion Exchange to SR-3 (cfs)**	**Total (AF)**
2023 ARP for October 2023	**-227**	**52.4**	**34.1**	**-140.5**	**52.4**		**34.1**		
1	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
2	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
3	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
4	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
5	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
6	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
7	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
8	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
9	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
10	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
11	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
12	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
13	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
14	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
15	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
16	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
17	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
18	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
19	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
20	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
21	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
22	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
23	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
24	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
25	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
26	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
27	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
28	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
29	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
30	-7.323	1.690	1.100	-4.532	1.690	0.85	1.100	0.55	2.79
31	-7.427	1.821	1.372	-4.829	1.821	0.92	1.372	0.69	3.19
Total (AF)	**227.12**	**52.52**	**34.37**	**-140.79**	**52.52**	**52.40**	**34.37**	**34.10**	**86.50**

Table 2: District 20 Rio Grande River Call for October 2023 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

October 2023	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1	163	Excelsior Ditch	**No Forbearance in October 2023**
2	163	Excelsior Ditch	
3	198	Enterprise Ditch	
4	209	Fish Ditch	
5	188	Enterprise Ditch	
6	198	Enterprise Ditch	
7	192	Nichol Ditch	
8	192	Nichol Ditch	
9	195	Kane Callan Ditch	
10	198	Enterprise Ditch	
11	198	Enterprise Ditch	
12	204	Rio Grande San Luis Ditch	
13	195	Kane Callan Ditch	
14	196	Chicago Ditch	
15	196	Chicago Ditch	
16	197	Biedel Ditch	
17	197	Biedel Ditch	
18	192	Nichol Ditch	
19	192	Nichol Ditch	
20	197	Biedel Ditch	
21	197	Biedel Ditch	
22	197	Biedel Ditch	
23	198	Enterprise Ditch	
24	198	Enterprise Ditch	
25	197	Biedel Ditch	
26	197	Biedel Ditch	
27	197	Biedel Ditch	
28	197	Biedel Ditch	
29	200	Rio Grande Ditch #2	
30	209	Fish Ditch	
31	198	Enterprise Ditch	

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

Table 1: Subdistrict No. 1 depletions per Table 2.5 in the accepted 2023 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Stream Replacement Obligation for 2023 ARP Year submitted to the Colorado State Engineerâ€™s Office on April 14, 2023. November 2023 Depletion Obligation Total: 48.2 ac-ft to Stream Reach 2 & 11.1 ac-ft to Stream Reach 3; November 2023 Replacement Operation Total: Use of 59.3 ac-ft of Stream Reach 1 accretions to offset Stream Reach 2 & 3 depletions (162.5 ac-ft of Stream Reach 1 accretions leftover).

Date	*Depletion Obligation*				*SD #1 Replacement Water Sources*				
November 2023	**SR-1 Ac-ft.**	**SR-2 Ac-ft.**	**SR-3 Ac-ft.**	**Total Accretions left from SR-1(Ac-ft.)**	**SR-1 Accretion Exchange to SR-2 (Ac-ft.)**	**SR-1 Accretion Exchange to SR-2 (cfs)**	**SR-1 Accretion Exchange to SR-3 (Ac-ft.)**	**SR-1 Accretion Exchange to SR-3 (cfs)**	**Total (AF)**
2023 ARP for November 2023	**-221.8**	**48.2**	**11.1**	**-162.5**	**48.2**		**11.10**		
1	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
2	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
3	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
4	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
5	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
6	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
7	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
8	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
9	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
10	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
11	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
12	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
13	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
14	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
15	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
16	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
17	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
18	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
19	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
20	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
21	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
22	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
23	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
24	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
25	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
26	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
27	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
28	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
29	-7.398	1.607	0.377	-5.415	1.607	**0.81**	0.377	**0.19**	**1.984**
30	-7.240	1.607	0.179	-5.455	1.607	**0.81**	0.179	**0.09**	**1.785**
Total (AF)	**221.79**	**48.2**	**11.11**	**-162.5**	**48.2**	**48.2**	**11.1**	**11.1**	**59.3**

Table 2: District 20 Rio Grande River Call for November 2023 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

November 2023	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1	198	Enterprise Ditch	**No Forbearance in November 2023**
2	209	Fish Ditch	
3	209	Fish Ditch	
4	198	Enterprise Ditch	
5	198	Enterprise Ditch	
6	198	Enterprise Ditch	
7	198	Enterprise Ditch	
8	204	Rio Grande San Luis Ditch	**End of Irrigation Season**
9			
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Contact person responsible for the operation and accounting for Subdistrict No. 1:
Taylor Chick Office Phone: 719-589-6301
Program Manager, RGWCD

Table 1: Subdistrict No. 1 depletions per Table 2.5 in the accepted 2023 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Stream Replacement Obligation for 2023 ARP Year submitted to the Colorado State Engineer's Office on April 14, 2023. December 2023 Depletion Obligation Total: 59.7 ac-ft to Stream Reach 2 & 5.3 ac-ft to Stream Reach 3; December 2023 Replacement Operation Total: Use of 65.0 ac-ft of Stream Reach 1 accretions to Stream Reach 2 & 3 (146.9 ac-ft of Stream Reach 1 accretions leftover).

Date	*Depletion Obligation*				*SD #1 Replacement Water Sources*				
December 2023	**SR-1 Ac-ft.**	**SR-2 Ac-ft.**	**SR-3 Ac-ft.**	**Total Accretions left from SR-1(Ac-ft.)**	**SR-1 Accretion Exchange to SR-2 (Ac-ft.)**	**SR-1 Accretion Exchange to SR-2 (cfs)**	**SR-1 Accretion Exchange to SR-3 (Ac-ft.)**	**SR-1 Accretion Exchange to SR-3 (cfs)**	**Total Replacement (AF)**
2023 ARP for December 2023	**-211.9**	**59.7**	**5.3**	**-146.90**	**59.7**		**5.3**		
1	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
2	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
3	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
4	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
5	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
6	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
7	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
8	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
9	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
10	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
11	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
12	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
13	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
14	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
15	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
16	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
17	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
18	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
19	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
20	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
21	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
22	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
23	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
24	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
25	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
26	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
27	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
28	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
29	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
30	-6.835	1.926	0.159	-4.739	1.926	0.97	0.159	0.08	2.08
31	-6.608	1.98	0.540	-4.683	1.980	1	0.540	0.27	2.52
Total (AF)	**211.66**	**59.76**	**5.30**	**-146.85**	**59.76**	**59.70**	**5.30**	**5.30**	**65.00**

Table 2: District 20 Rio Grande River Call for December 2023 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

December 2023	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1		Rio Grande Compact	0
2		Rio Grande Compact	0
3		Rio Grande Compact	0
4		Rio Grande Compact	0
5		Rio Grande Compact	0
6		Rio Grande Compact	0
7		Rio Grande Compact	0
8		Rio Grande Compact	0
9		Rio Grande Compact	0
10		Rio Grande Compact	0
11		Rio Grande Compact	0
12		Rio Grande Compact	0
13		Rio Grande Compact	0
14		Rio Grande Compact	0
15		Rio Grande Compact	0
16		Rio Grande Compact	0
17		Rio Grande Compact	0
18		Rio Grande Compact	0
19		Rio Grande Compact	0
20		Rio Grande Compact	0
21		Rio Grande Compact	0
22		Rio Grande Compact	0
23		Rio Grande Compact	0
24		Rio Grande Compact	0
25		Rio Grande Compact	0
26		Rio Grande Compact	0
27		Rio Grande Compact	0
28		Rio Grande Compact	0
29		Rio Grande Compact	0
30		Rio Grande Compact	0
31		Rio Grande Compact	0

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

Table 1: Subdistrict No. 1 depletions per Table 2.5 in the accepted 2023 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Stream Replacement Obligation for 2023 ARP Year submitted to the Colorado State Engineer's Office on April 14, 2023. January 2024 Depletion Obligation Total: 67.2 ac-ft to Stream Reach 2; January 2024 Replacement Operation Total: Use of 67.2 ac-ft of Stream Reach 1 accretions to Stream Reach 2 (125.5 ac-ft of Stream Reach 1 accretions and 2.2 ac-ft of Stream Reach 3 accretions leftover).

Date	*Depletion Obligation*				*SD #1 Replacement Water Sources*		
January 2024	**SR-1 Ac-ft.**	**SR-2 Ac-ft.**	**SR-3 Ac-ft.**	**Total Accretions left from SR-1 & SR-3 (Ac-ft.)**	**SR-1 Accretion Exchange to SR-2 (Ac-ft.)**	**SR-1 Accretion Exchange to SR-2 (cfs)**	**Total Replacement (AF)**
2023 ARP for January 2024	**-192.7**	**67.2**	**-2.2**	**-127.70**	**67.2**		
1	-6.216	2.168	-0.079	-4.119	2.168	1.09	2.17
2	-6.216	2.168	-0.079	-4.119	2.168	1.09	2.17
3	-6.216	2.168	-0.079	-4.119	2.168	1.090	2.17
4	-6.216	2.168	-0.079	-4.119	2.168	1.090	2.17
5	-6.216	2.168	-0.079	-4.119	2.168	1.090	2.17
6	-6.216	2.168	-0.079	-4.119	2.168	1.090	2.17
7	-6.216	2.168	-0.079	-4.119	2.168	1.090	2.17
8	-6.216	2.168	-0.079	-4.119	2.168	1.090	2.17
9	-6.216	2.168	-0.079	-4.119	2.168	1.090	2.17
10	-6.216	2.168	-0.079	-4.119	2.168	1.090	2.17
11	-6.216	2.168	-0.079	-4.119	2.168	1.090	2.17
12	-6.216	2.168	-0.079	-4.119	2.168	1.090	2.17
13	-6.216	2.168	-0.079	-4.119	2.168	1.090	2.17
14	-6.216	2.168	-0.079	-4.119	2.168	1.090	2.17
15	-6.216	2.168	-0.079	-4.119	2.168	1.090	2.17
16	-6.216	2.168	-0.079	-4.119	2.168	1.090	2.17
17	-6.216	2.168	-0.079	-4.119	2.168	1.090	2.17
18	-6.216	2.168	-0.079	-4.119	2.168	1.090	2.17
19	-6.216	2.168	-0.060	-4.119	2.168	1.090	2.17
20	-6.216	2.168	-0.060	-4.119	2.168	1.090	2.17
21	-6.216	2.168	-0.060	-4.119	2.168	1.090	2.17
22	-6.216	2.168	-0.060	-4.119	2.168	1.090	2.17
23	-6.216	2.168	-0.060	-4.119	2.168	1.090	2.17
24	-6.216	2.168	-0.060	-4.119	2.168	1.090	2.17
25	-6.216	2.168	-0.060	-4.119	2.168	1.090	2.17
26	-6.216	2.168	-0.060	-4.119	2.168	1.090	2.17
27	-6.216	2.168	-0.060	-4.119	2.168	1.090	2.17
28	-6.216	2.168	-0.060	-4.119	2.168	1.090	2.17
29	-6.216	2.168	-0.060	-4.119	2.168	1.090	2.17
30	-6.216	2.168	-0.060	-4.119	2.168	1.090	2.17
31	-6.449	2.34	-0.060	-3.930	2.340	1.180	2.34
Total (AF)	**-192.93**	**67.38**	**-2.20**	**-127.50**	**67.38**	**67.20**	**67.38**

Table 2: District 20 Rio Grande River Call for January 2024 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

January 2024	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1		Rio Grande Compact	0
2		Rio Grande Compact	0
3		Rio Grande Compact	0
4		Rio Grande Compact	0
5		Rio Grande Compact	0
6		Rio Grande Compact	0
7		Rio Grande Compact	0
8		Rio Grande Compact	0
9		Rio Grande Compact	0
10		Rio Grande Compact	0
11		Rio Grande Compact	0
12		Rio Grande Compact	0
13		Rio Grande Compact	0
14		Rio Grande Compact	0
15		Rio Grande Compact	0
16		Rio Grande Compact	0
17		Rio Grande Compact	0
18		Rio Grande Compact	0
19		Rio Grande Compact	0
20		Rio Grande Compact	0
21		Rio Grande Compact	0
22		Rio Grande Compact	0
23		Rio Grande Compact	0
24		Rio Grande Compact	0
25		Rio Grande Compact	0
26		Rio Grande Compact	0
27		Rio Grande Compact	0
28		Rio Grande Compact	0
29		Rio Grande Compact	0
30		Rio Grande Compact	0
31		Rio Grande Compact	0

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

APPENDIX B

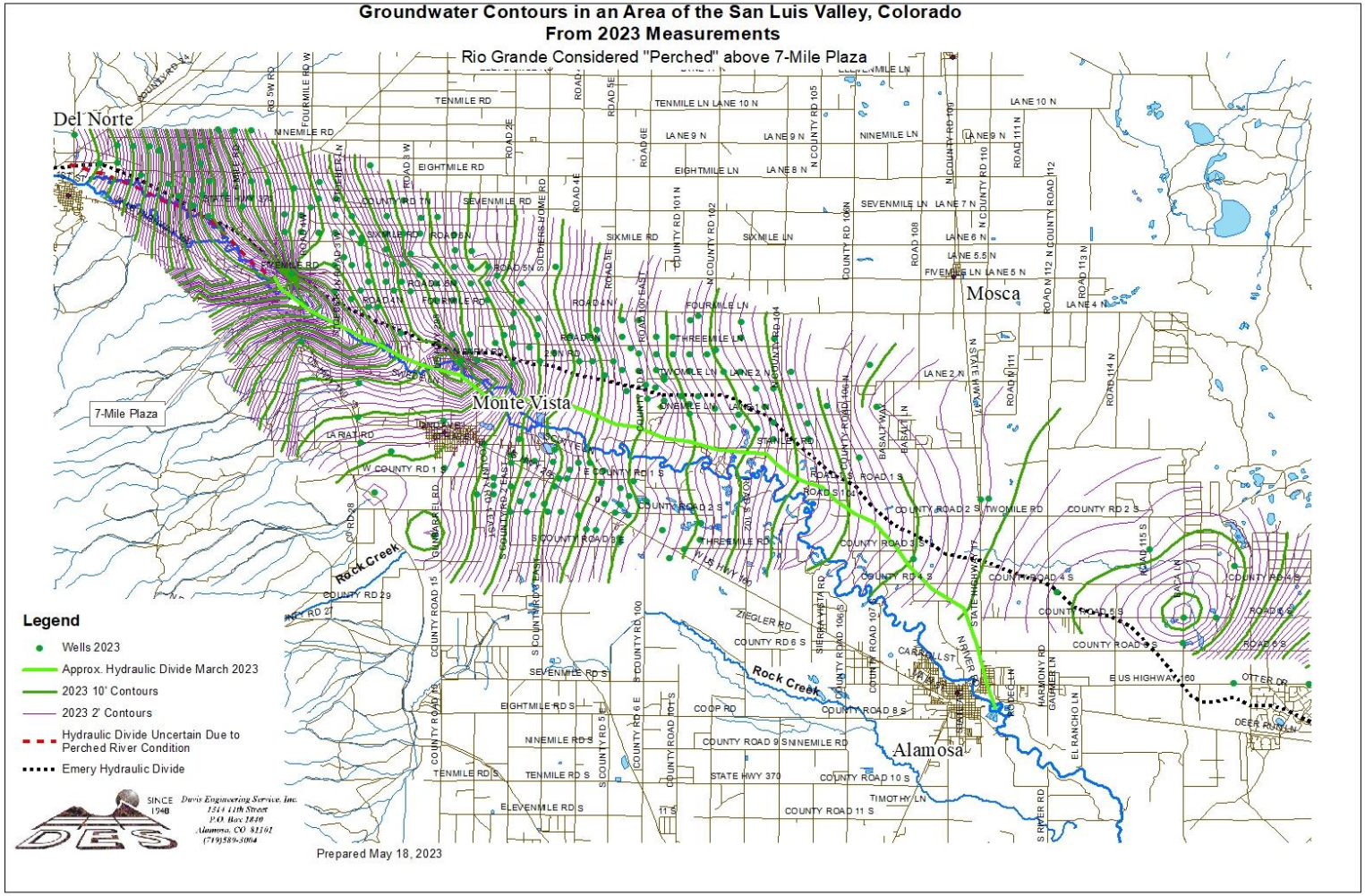
Ditches and Pro Rata Shares

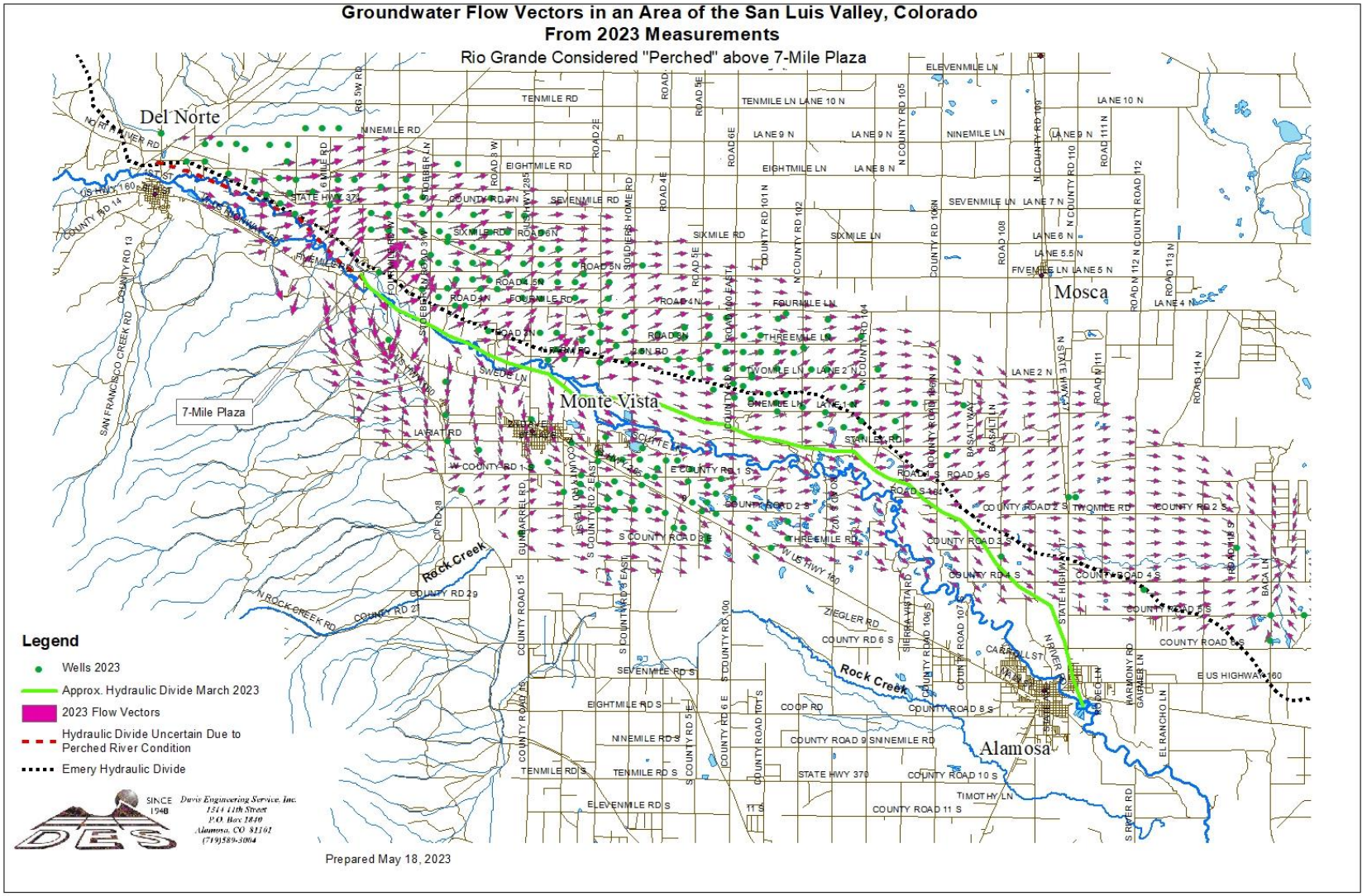
Summary of Ditches and Pro-Rata Shares
Allocated to Fields on Subdistrict No. 1 2023 Farm Units

WDID	Structure Name	Amount	Pro-rata Units
2000546	BILLINGS D	339	shares
2000556	BUTLER IRR D	5.8	cfs priority
2000627	EXCELSIOR D	2	shares
2000631	FARMERS UNION CNL	60,813.48	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	245.8	shares
2000812	RIO GRANDE CNL	918.4	in SpW
2000812	RIO GRANDE CNL	6,741.73	shares
2000812	RIO GRANDE CNL	4,770	SM
2000814	RIO GRANDE D 2	3	cfs priority
2000829	SAN LUIS VALLEY CNL	10,898.06	shares
2000833	SCHUCH SCHMIDT D	4.4	cfs priority
2001105	WEE RUBY RES SUPPLY D	1	cfs priority
2700502	BIEDELL D NO 10	34.92	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 2023 WELL MEASUREMENTS




Groundwater Flow Vectors in an Area of the San Luis Valley, Colorado
From 2023 Measurements
Rio Grande Considered "Perched" above 7-Mile Plaza
Del Norte
Monte Vista
Mosca
Alamosa
7-Mile Plaza
Rock Creek
Legend
Wells 2023
Approx. Hydraulic Divide March 2023
2023 Flow Vectors
Hydraulic Divide Uncertain Due to Perched River Condition
Emery Hydraulic Divide
Davis Engineering Service, Inc.
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P.O. Box 1840
Alamosa, CO 81101
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Prepared May 18, 2023

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)
1/11/2023	8.28	7554.23	RGWCD
2/7/2023	8.26	7554.25	RGWCD
3/9/2023	8.17	7554.34	RGWCD
4/18/2023	7.98	7554.53	RGWCD
5/4/2023	7.92	7554.59	RGWCD
6/5/2023	7.78	7554.73	RGWCD
7/7/2023	8.23	7554.28	RGWCD
8/11/2013	8.58	7553.93	RGWCD
9/1/2023	8.69	7553.82	RGWCD
10/9/2023	8.78	7553.73	RGWCD
11/8/2023	8.76	7553.75	RGWCD
12/1/2023	8.70	7553.81	RGWCD
1/12/2024	8.62	7553.89	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)
1/4/2023	15.16	7535.04	RGWCD
2/10/2023	15.14	7535.06	RGWCD
3/8/2023	15.11	7535.09	RGWCD
4/11/2023	15.11	7535.09	RGWCD
5/3/2023	15.07	7535.13	RGWCD
6/5/2023	15.06	7535.14	RGWCD
7/10/2023	15.07	7535.13	RGWCD
8/3/2023	15.07	7535.13	RGWCD
9/1/2023	15.06	7535.14	RGWCD
10/11/2023	14.96	7535.24	RGWCD
11/9/2023	15.00	7535.20	RGWCD
12/1/2023	14.95	7535.25	RGWCD
1/8/2024	14.96	7535.24	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)
1/11/2023	18.83	7617.53	RGWCD
2/7/2023	19.20	7617.16	RGWCD
3/9/2023	19.37	7616.99	RGWCD
4/17/2023	18.99	7617.37	RGWCD
5/4/2023	17.45	7618.91	RGWCD
6/5/2023	9.25	7627.11	RGWCD
7/7/2023	9.72	7626.64	RGWCD
8/8/2023	12.32	7624.04	RGWCD
9/2/2023	13.88	7622.48	RGWCD
10/9/2023	15.54	7620.82	RGWCD
11/8/2023	16.40	7619.96	RGWCD
12/4/2023	16.97	7619.39	RGWCD

1/9/2024	17.54	7618.82	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)
1/11/2023	Dry Well	-	RGWCD
1/12/2024	Dry Well	-	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)
1/4/2023	41.92	7510.93	RGWCD
2/10/2023	41.24	7511.61	RGWCD
3/8/2023	40.75	7512.10	RGWCD
4/11/2023	40.15	7512.70	RGWCD
5/3/2023	40.18	7512.67	RGWCD
6/5/2023	40.31	7512.54	RGWCD
7/10/2023	42.37	7510.48	RGWCD
8/3/2023	44.18	7508.67	RGWCD
9/1/2023	44.96	7507.89	RGWCD
10/11/2023	44.08	7508.77	RGWCD
11/9/2023	43.57	7509.28	RGWCD
12/1/2023	43.17	7509.68	RGWCD
1/8/2024	42.50	7510.35	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)
1/5/2023	16.25	7519.55	RGWCD
2/10/2023	16.26	7519.54	RGWCD
3/10/2023	15.94	7519.86	RGWCD
4/18/2023	16.29	7519.51	RGWCD
5/8/2023	16.32	7519.48	RGWCD
6/5/2023	16.31	7519.49	RGWCD
7/10/2023	16.34	7519.46	RGWCD
8/3/2023	16.33	7519.47	RGWCD
9/1/2023	16.33	7519.47	RGWCD
10/17/2023	16.31	7519.49	RGWCD
11/9/2023	16.32	7519.48	RGWCD
12/1/2023	16.32	7519.48	RGWCD
1/3/2024	16.09	7519.71	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)
1/5/2023	14.91	7522.31	RGWCD
2/10/2023	14.85	7522.37	RGWCD
3/10/2023	14.90	7522.32	RGWCD

4/18/2023	14.92	7522.30	RGWCD
5/8/2023	14.93	7522.29	RGWCD
6/5/2023	14.90	7522.32	RGWCD
7/10/2023	15.00	7522.22	RGWCD
8/3/2023	15.06	7522.16	RGWCD
9/1/2023	15.10	7522.12	RGWCD
10/17/2023	15.20	7522.02	RGWCD
11/9/2023	15.20	7522.02	RGWCD
12/1/2023	15.16	7522.06	RGWCD
1/3/2024	15.09	7522.13	RGWCD

USGS 374704105590002, NA04100921DAA, RGWCD28-1			
RG28-1			
Well Depth (ft.)	**Latitude (NAD83)**	**Longitude (NAD83)**	**Ground Elevation (ft. NAVD88)**
-	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)
1/6/2023	Dry Well	-	RGWCD
6/2/2023	Dry Well	-	RGWCD
7/11/2023	32.91	7546.68	RGWCD
8/11/2023	Dry Well	-	RGWCD
1/12/2024	Dry Well	-	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)
1/4/2023	41.83	7530.11	RGWCD

2/6/2023	41.67	7530.27	RGWCD
3/8/2023	41.53	7530.41	RGWCD
4/11/2023	41.38	7530.56	RGWCD
5/3/2023	41.43	7530.51	RGWCD
6/5/2023	40.94	7531.00	RGWCD
7/10/2023	39.80	7532.14	RGWCD
8/3/2023	40.42	7531.52	RGWCD
9/1/2023	41.53	7530.41	RGWCD
10/11/2023	41.58	7530.36	RGWCD
11/9/2023	41.60	7530.34	RGWCD
12/1/2023	41.58	7530.36	RGWCD
1/8/2024	41.40	7530.54	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)
1/11/2023	Dry Well	-	RGWCD
1/12/2024	Dry Well	-	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)
1/11/2023	Dry Well	-	RGWCD
4/12/2023	Dry Well	-	RGWCD

5/4/2023	37.42	7571.58	RGWCD
6/2/2023	31.74	7577.26	RGWCD
7/7/2023	32.01	7576.99	RGWCD
8/11/2023	36.41	7572.59	RGWCD
9/1/2023	Dry Well	-	RGWCD
1/12/2024	Dry Well	-	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)
1/6/2023	Dry Well	-	RGWCD
1/12/2024	Dry Well	-	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)
1/11/2023	44.68	7623.62	RGWCD
2/7/2023	44.76	7623.54	RGWCD
3/9/2023	44.75	7623.55	RGWCD
4/12/2023	44.78	7623.52	RGWCD
45050	44.88	7623.42	RGWCD
45082	38.54	7629.76	RGWCD
7/7/2023	30.02	7638.28	RGWCD
8/8/2023	No	-	RGWCD

	Measurement		
9/2/2023	36.41	7631.89	RGWCD
10/9/2023	38.12	7630.18	RGWCD
11/8/2023	39.07	7629.23	RGWCD
12/4/2023	39.02	7629.28	RGWCD
1/9/2024	39.68	7628.62	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)
1/11/2023	82.30	7673.28	RGWCD
2/7/2023	82.43	7673.15	RGWCD
3/9/2023	82.26	7673.32	RGWCD
4/17/2023	82.29	7673.29	RGWCD
5/4/2023	83.04	7672.54	RGWCD
6/5/2023	83.89	7671.69	RGWCD
7/7/2023	85.09	7670.49	RGWCD
8/8/2023	85.59	7669.99	RGWCD
9/2/2023	84.53	7671.05	RGWCD
10/9/2023	83.10	7672.48	RGWCD
11/6/2023	82.39	7673.19	RGWCD
12/4/2023	81.95	7673.63	RGWCD
1/9/2024	81.29	7674.29	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)
1/11/2023	Dry Well	-	RGWCD
4/17/2023	Dry Well	-	RGWCD
5/4/2023	32.09	7778.67	RGWCD
6/5/2023	20.48	7790.28	RGWCD
7/7/2023	22.81	7787.95	RGWCD
8/8/2023	29.32	7781.44	RGWCD
9/2/2023	33.91	7776.85	RGWCD
11/6/2023	Dry Well	-	RGWCD
1/9/2024	Dry Well	-	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)
1/11/2023	50.12	7760.98	RGWCD
2/7/2023	51.23	7759.87	RGWCD
3/9/2023	52.22	7758.88	RGWCD
4/17/2023	53.46	7757.64	RGWCD
5/4/2023	53.95	7757.15	RGWCD
6/5/2023	49.67	7761.43	RGWCD
7/7/2023	42.44	7768.66	RGWCD
8/8/2023	41.64	7769.46	RGWCD
9/2/2023	43.83	7767.27	RGWCD
10/9/2023	43.76	7767.34	RGWCD
11/6/2023	44.47	7766.63	RGWCD
12/4/2023	44.88	7766.22	RGWCD
1/9/2024	46.41	7764.69	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)
1/11/2023	36.27	7647.03	RGWCD
2/7/2023	35.91	7647.39	RGWCD
3/9/2023	35.84	7647.46	RGWCD
4/17/2023	36.11	7647.19	RGWCD
5/4/2023	36.69	7646.61	RGWCD
6/5/2023	33.28	7650.02	RGWCD
7/7/2023	33.13	7650.17	RGWCD
8/8/2023	35.68	7647.62	RGWCD
9/2/2023	35.90	7647.40	RGWCD
10/9/2023	35.22	7648.08	RGWCD
11/6/2023	35.01	7648.29	RGWCD
12/4/2023	34.80	7648.50	RGWCD
1/9/2024	34.60	7648.70	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)
1/6/2023	39.80	7603.12	RGWCD
2/14/2023	39.61	7603.31	RGWCD
3/3/2023	39.53	7603.39	RGWCD
4/12/2023	39.59	7603.33	RGWCD
5/8/2023	39.58	7603.34	RGWCD
6/2/2023	33.73	7609.19	RGWCD

7/11/2023	35.11	7607.81	RGWCD
8/11/2023	39.05	7603.87	RGWCD
9/1/2023	39.79	7603.13	RGWCD
10/17/2023	40.28	7602.64	RGWCD
11/10/2023	40.15	7602.77	RGWCD
12/4/2023	39.99	7602.93	RGWCD
1/12/2024	39.78	7603.14	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)
1/11/2023	Dry Well	-	RGWCD
5/4/2023	Dry Well	-	RGWCD
6/2/2023	21.84	7594.81	RGWCD
7/7/2023	24.70	7591.95	RGWCD
8/11/2023	26.94	7589.71	RGWCD
9/1/2023	Dry Well	-	RGWCD
1/12/2024	Dry Well	-	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)
1/6/2023	28.31	7562.55	RGWCD
2/14/2023	28.01	7562.85	RGWCD

3/3/2023	27.95	7562.91	RGWCD
4/12/2023	27.63	7563.23	RGWCD
5/8/2023	27.50	7563.36	RGWCD
6/2/2023	27.50	7563.36	RGWCD
7/11/2023	27.71	7563.15	RGWCD
8/11/2023	28.44	7562.42	RGWCD
9/1/2023	28.83	7562.03	RGWCD
10/17/2023	28.88	7561.98	RGWCD
11/10/2023	28.88	7561.98	RGWCD
12/4/2023	28.64	7562.22	RGWCD
1/12/2024	Dry Well	-	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)
1/4/2023	18.27	7556.87	RGWCD
2/10/2023	18.10	7557.04	RGWCD
3/8/2023	18.07	7557.07	RGWCD
4/11/2023	18.19	7556.95	RGWCD
5/3/2023	18.13	7557.01	RGWCD
6/5/2023	14.50	7560.64	RGWCD
7/10/2023	17.57	7557.57	RGWCD
8/3/2023	18.93	7556.21	RGWCD
9/1/2023	19.45	7555.69	RGWCD
10/11/2023	18.63	7556.51	RGWCD
11/9/2023	18.17	7556.97	RGWCD
12/4/2023	17.92	7557.22	RGWCD
1/8/2024	17.62	7557.52	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)
1/6/2023	11.73	7530.35	RGWCD
2/6/2023	11.80	7530.28	RGWCD
3/3/2023	11.87	7530.21	RGWCD
4/5/2023	11.95	7530.13	RGWCD
5/3/2023	11.99	7530.09	RGWCD
6/5/2023	8.70	7533.38	RGWCD
7/6/2023	8.85	7533.23	RGWCD
8/2/2023	9.41	7532.67	RGWCD
9/1/2023	9.83	7532.25	RGWCD
10/17/2023	10.18	7531.90	RGWCD
11/9/2023	10.32	7531.76	RGWCD
12/1/2023	10.44	7531.64	RGWCD
1/3/2024	10.60	7531.48	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)
1/6/2023	8.20	7540.08	RGWCD
2/14/2023	8.21	7540.07	RGWCD
3/3/2023	8.20	7540.08	RGWCD
4/10/2023	8.21	7540.07	RGWCD
5/8/2023	8.14	7540.14	RGWCD
6/2/2023	7.99	7540.29	RGWCD
7/11/2023	7.01	7541.27	RGWCD

8/11/2023	7.16	7541.12	RGWCD
9/1/2023	7.31	7540.97	RGWCD
10/11/2023	7.42	7540.86	RGWCD
11/9/2023	7.47	7540.81	RGWCD
12/1/2023	7.49	7540.79	RGWCD
1/12/2024	7.55	7540.73	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)
1/6/2023	14.96	7554.86	RGWCD
2/14/2023	14.80	7555.02	RGWCD
3/3/2023	14.76	7555.06	RGWCD
4/10/2023	14.78	7555.04	RGWCD
5/8/2023	14.24	7555.58	RGWCD
6/2/2023	8.02	7561.80	RGWCD
7/11/2023	11.74	7558.08	RGWCD
8/11/2023	12.95	7556.87	RGWCD
9/1/2023	13.41	7556.41	RGWCD
10/17/2023	13.91	7555.91	RGWCD
11/10/2023	13.96	7555.86	RGWCD
12/4/2023	13.98	7555.84	RGWCD
1/12/2024	13.88	7555.94	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)
1/6/2023	18.95	7575.82	RGWCD
2/14/2023	18.66	7576.11	RGWCD
3/3/2023	18.56	7576.21	RGWCD
4/12/2023	18.42	7576.35	RGWCD
5/8/2023	19.03	7575.74	RGWCD
6/2/2023	19.14	7575.63	RGWCD
7/11/2023	21.53	7573.24	RGWCD
8/11/2023	21.27	7573.50	RGWCD
9/1/2023	20.38	7574.39	RGWCD
10/17/2023	19.41	7575.36	RGWCD
11/10/2023	19.12	7575.65	RGWCD
12/4/2023	18.90	7575.87	RGWCD
1/12/2024	18.41	7576.36	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)
1/12/2023	6.11	7596.19	RGWCD
2/7/2023	6.10	7596.20	RGWCD
3/9/2023	6.09	7596.21	RGWCD
4/19/2023	5.88	7596.42	RGWCD
5/4/2023	4.64	7597.66	RGWCD
6/2/2023	2.74	7599.56	RGWCD
7/7/2023	5.17	7597.13	RGWCD
8/11/2023	6.00	7596.30	RGWCD
9/1/2023	6.22	7596.08	RGWCD
10/9/2023	6.34	7595.96	RGWCD
11/9/2023	6.15	7596.15	RGWCD
12/1/2023	6.18	7596.12	RGWCD

1/12/2024	6.10	7596.20	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)
1/6/2023	13.92	7624.79	RGWCD
2/14/2023	14.02	7624.69	RGWCD
3/3/2023	14.12	7624.59	RGWCD
4/12/2023	14.30	7624.41	RGWCD
5/8/2023	12.67	7626.04	RGWCD
6/2/2023	7.55	7631.16	RGWCD
7/11/2023	6.53	7632.18	RGWCD
8/11/2023	10.15	7628.56	RGWCD
9/1/2023	11.85	7626.86	RGWCD
10/17/2023	12.77	7625.94	RGWCD
11/10/2023	12.85	7625.86	RGWCD
12/4/2023	13.00	7625.71	RGWCD
1/10/2024	13.23	7625.48	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)
1/28/2023	-8.22	7622.28	RGWCD
2/22/2023	-8.58	7622.64	RGWCD
3/15/2023	-8.57	7622.63	RGWCD
4/21/2023	-8.79	7622.85	RGWCD
5/11/2023	-8.60	7622.66	RGWCD
6/15/2023	-8.60	7622.66	RGWCD
7/16/2023	-7.56	7621.62	RGWCD
8/15/2023	-6.81	7620.87	RGWCD
9/25/2023	-6.52	7620.58	RGWCD
10/20/2023	-7.62	7621.68	RGWCD
11/16/2023	-8.21	7622.27	RGWCD
12/13/2023	-8.62	7622.68	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)
1/27/2023	No Measurement	-	RGWCD
2/28/2023	-18.26	7616.64	RGWCD
3/24/2023	-19.49	7617.87	RGWCD
4/28/2023	-16.19	7614.57	RGWCD
5/22/2023	-15.25	7613.63	RGWCD
6/28/2023	-15.84	7614.22	RGWCD
7/18/2023	-15.36	7613.74	RGWCD
8/29/2023	-13.01	7611.39	RGWCD
9/29/2023	-12.38	7610.76	RGWCD

10/22/2023	-13.10	7611.48	RGWCD
11/30/2023	-17.09	7615.47	RGWCD
12/28/2023	-18.76	7617.14	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)
1/28/2023	-5.95	7561.28	RGWCD
2/22/2023	-11.45	7566.78	RGWCD
3/15/2023	-11.45	7566.78	RGWCD
4/21/2023	-11.69	7567.02	RGWCD
5/11/2023	-4.71	7560.04	RGWCD
6/15/2023	0.13	7555.20	RGWCD
7/16/2023	No Measurement	-	RGWCD
8/15/2023	No Measurement	-	RGWCD
9/25/2023	8.59	7546.74	RGWCD
10/20/2023	3.48	7551.85	RGWCD
11/16/2023	-5.25	7560.58	RGWCD
12/13/2023	-7.81	7563.14	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)
1/27/2023	No Measurement	-	RGWCD
9/29/2023	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)
1/27/2023	0.55	7636.73	RGWCD
2/18/2023	0.38	7636.90	RGWCD
3/23/2023	0.53	7636.75	RGWCD
4/22/2023	0.81	7636.47	RGWCD
5/18/2023	0.72	7636.56	RGWCD
6/28/2023	-0.63	7637.91	RGWCD
7/18/2023	0.36	7636.92	RGWCD
8/29/2023	2.27	7635.01	RGWCD
9/29/2023	1.90	7635.38	RGWCD
10/22/2023	1.48	7635.80	RGWCD
11/30/2023	0.31	7636.97	RGWCD
12/22/2023	-0.08	7637.36	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 (ft.)*	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/28/2023	27.22	7623.65	RGWCD
2/21/2023	27.44	7623.43	RGWCD
3/30/2023	26.93	7623.94	RGWCD
4/25/2023	26.07	7624.80	RGWCD
5/23/2023	27.01	7623.86	RGWCD
6/29/2023	29.29	7621.58	RGWCD
7/25/2023	29.30	7621.57	RGWCD
8/29/2023	30.78	7620.09	RGWCD
9/27/2023	29.39	7621.48	RGWCD
10/23/2023	29.21	7621.66	RGWCD
11/29/2023	28.10	7622.77	RGWCD
12/21/2023	26.71	7624.16	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)
1/28/2023	-43.16	7609.51	RGWCD
2/21/2023	-43.43	7609.78	RGWCD
3/30/2023	-43.62	7609.97	RGWCD
4/24/2023	-43.85	7610.20	RGWCD
5/23/2023	-43.15	7609.50	RGWCD
6/29/2023	-41.61	7607.96	RGWCD
7/25/2023	-40.65	7607.00	RGWCD
8/25/2023	-39.84	7606.19	RGWCD

9/27/2023	-39.18	7605.53	RGWCD
10/23/2023	-40.81	7607.16	RGWCD
11/21/2023	-41.65	7608.00	RGWCD
12/21/2023	-42.50	7608.85	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)
1/28/2023	-45.36	7619.68	RGWCD
2/21/2023	-45.81	7620.13	RGWCD
3/30/2023	-46.16	7620.48	RGWCD
4/24/2023	-46.21	7620.53	RGWCD
5/23/2023	-44.67	7618.99	RGWCD
6/29/2023	-42.78	7617.10	RGWCD
7/25/2023	-41.13	7615.45	RGWCD
8/24/2023	-39.76	7614.08	RGWCD
9/27/2023	-40.95	7615.27	RGWCD
10/23/2023	-42.72	7617.04	RGWCD
11/21/2023	-44.64	7618.96	RGWCD
12/21/2023	-45.84	7620.16	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)
1/28/2023	14.73	7620.58	RGWCD
2/21/2023	14.51	7620.80	RGWCD
3/30/2023	13.67	7621.64	RGWCD
4/25/2023	14.70	7620.61	RGWCD
5/23/2023	15.53	7619.78	RGWCD
6/29/2023	18.64	7616.67	RGWCD
7/25/2023	16.95	7618.36	RGWCD
8/29/2023	20.07	7615.24	RGWCD
9/27/2023	16.79	7618.52	RGWCD
10/23/2023	17.13	7618.18	RGWCD
11/29/2023	14.92	7620.39	RGWCD
12/21/2023	14.47	7620.84	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)
1/28/2023	No Measurement	-	RGWCD
2/21/2023	-8.48	7619.38	RGWCD
3/30/2023	-8.66	7619.56	RGWCD
4/25/2023	-8.32	7619.22	RGWCD
5/23/2023	-4.57	7615.47	RGWCD
6/29/2023	-1.62	7612.52	RGWCD
7/25/2023	No Measurement	-	RGWCD
8/29/2023	-3.33	7614.23	RGWCD
9/27/2023	-4.22	7615.12	RGWCD

10/23/2023	-1.65	7612.55	RGWCD
11/29/2023	-6.98	7617.88	RGWCD
12/21/2023	-7.50	7618.40	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)
1/28/2023	No Measurement	-	RGWCD
2/21/2023	-33.56	7618.05	RGWCD
3/30/2023	-33.92	7618.41	RGWCD
4/25/2023	-32.56	7617.05	RGWCD
5/23/2023	-30.17	7614.66	RGWCD
6/29/2023	-28.10	7612.59	RGWCD
7/25/2023	-26.89	7611.38	RGWCD
8/29/2023	-26.18	7610.67	RGWCD
9/27/2023	-26.84	7611.33	RGWCD
10/23/2023	-28.17	7612.66	RGWCD
11/29/2023	-32.29	7616.78	RGWCD
12/21/2023	-32.66	7617.15	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)
1/28/2023	No Measurement	-	RGWCD
2/24/2023	-33.54	7614.75	RGWCD
3/30/2023	-34.16	7615.37	RGWCD
4/24/2023	-33.54	7614.75	RGWCD
5/23/2023	-33.11	7614.32	RGWCD
6/29/2023	-32.56	7613.77	RGWCD
7/25/2023	-31.10	7612.31	RGWCD
8/25/2023	-30.02	7611.23	RGWCD
9/27/2023	-29.82	7611.03	RGWCD
10/23/2023	-30.82	7612.03	RGWCD
11/21/2023	-32.33	7613.54	RGWCD
12/21/2023	-33.47	7614.68	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)
1/28/2023	No Measurement	-	RGWCD
2/24/2023	-24.05	7607.18	RGWCD
3/30/2023	-24.77	7607.90	RGWCD
4/24/2023	-24.71	7607.84	RGWCD
5/23/2023	-24.90	7608.03	RGWCD
6/29/2023	-24.42	7607.55	RGWCD
7/25/2023	-23.90	7607.03	RGWCD
8/25/2023	-22.87	7606.00	RGWCD
9/27/2023	-22.43	7605.56	RGWCD

10/23/2023	-22.71	7605.84	RGWCD
11/21/2023	-23.01	7606.14	RGWCD
12/21/2023	-23.67	7606.80	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)
1/31/2023	10.53	7583.08	USGS
2/20/2024	9.69	7583.92	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)
1/31/2023	14.81	7553.03	USGS
2/20/2024	11.97	7555.87	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)
12/15/2022	8.04	7534.11	USBR
1/15/2023	8.03	7534.12	USBR
2/15/2023	8.06	7534.09	USBR
3/15/2023	8.10	7534.05	USBR
4/15/2023	8.13	7534.02	USBR
5/15/2023	8.08	7534.07	USBR
6/15/2023	6.63	7535.52	USBR
7/14/2023	7.37	7534.78	USBR
8/15/2023	7.72	7534.43	USBR
9/1/2023	7.83	7534.32	USBR
9/15/2023	7.87	7534.28	USBR
10/15/2023	7.91	7534.24	USBR
11/15/2023	7.88	7534.27	USBR
12/15/2023	7.82	7534.33	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)
12/15/2022	9.58	7532.57	USBR
1/15/2023	9.22	7532.93	USBR
2/15/2023	9.10	7533.05	USBR
3/15/2023	9.03	7533.12	USBR
4/15/2023	8.92	7533.23	USBR
5/15/2023	9.15	7533.00	USBR

6/15/2023	9.85	7532.30	USBR
7/14/2023	10.02	7532.13	USBR
8/15/2023	11.58	7530.57	USBR
9/1/2023	11.94	7530.21	USBR
9/15/2023	10.81	7531.34	USBR
10/15/2023	9.97	7532.18	USBR
11/15/2023	9.70	7532.45	USBR
12/15/2023	9.35	7532.80	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)
1/31/2023	17.76	7545.09	USGS
2/20/2024	14.67	7548.18	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)
1/31/2023	28.52	7587.77	USGS
2/20/2024	27.83	7588.46	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)
-	No Measurement	-	-
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)
12/15/2022	22.81	7522.48	USBR
1/15/2023	22.68	7522.61	USBR
2/15/2023	22.59	7522.70	USBR
3/15/2023	22.50	7522.79	USBR
4/15/2023	22.46	7522.83	USBR
5/15/2023	22.42	7522.87	USBR
6/15/2023	22.45	7522.84	USBR
7/14/2023	22.73	7522.56	USBR
7/27/2023	22.81	7522.48	USBR
8/15/2023	22.87	7522.42	USBR
9/15/2023	22.97	7522.32	USBR
10/15/2023	22.94	7522.35	USBR
11/15/2023	22.82	7522.47	USBR
12/15/2023	22.67	7522.62	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)
12/15/2022	21.85	7523.44	USBR
1/15/2023	21.51	7523.78	USBR
2/15/2023	21.45	7523.84	USBR
3/15/2023	21.39	7523.90	USBR
4/15/2023	21.60	7523.69	USBR
5/15/2023	22.40	7522.89	USBR
6/15/2023	26.18	7519.11	USBR
7/14/2023	27.04	7518.25	USBR
7/27/2023	27.15	7518.14	USBR
8/15/2023	25.54	7519.75	USBR
9/15/2023	23.16	7522.13	USBR
10/15/2023	22.62	7522.67	USBR
11/15/2023	22.10	7523.19	USBR
12/15/2023	21.92	7523.37	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)
1/30/2023	24.61	7526.25	USGS
-	No Measurement	-	-
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)
44910	21.63	7527.13	USBR
44941	21.45	7527.31	USBR
2/15/2023	21.32	7527.44	USBR
3/15/2023	21.23	7527.53	USBR
4/15/2023	21.16	7527.60	USBR
5/15/2023	20.87	7527.89	USBR
6/15/2023	19.82	7528.94	USBR
7/14/2023	20.72	7528.04	USBR
7/31/2023	21.16	7527.60	USBR
8/15/2023	21.48	7527.28	USBR
9/15/2023	21.73	7527.03	USBR
10/15/2023	21.42	7527.34	USBR
11/15/2023	21.11	7527.65	USBR
12/15/2023	20.84	7527.92	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)
12/15/2022	21.32	7527.44	USBR
1/15/2023	21.13	7527.63	USBR
2/15/2023	21.03	7527.73	USBR
3/15/2023	20.99	7527.77	USBR
4/15/2023	21.56	7527.20	USBR
5/15/2023	21.17	7527.59	USBR
6/15/2023	25.38	7523.38	USBR
7/14/2023	30.51	7518.25	USBR
7/31/2023	33.5	7515.26	USBR
8/15/2023	28.24	7520.52	USBR
9/15/2023	22.13	7526.63	USBR

10/15/2023	20.65	7528.11	USBR
11/15/2023	20.35	7528.41	USBR
12/15/2023	20.13	7528.63	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)
-	No Measurement	-	-
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)
1/25/2022	29.47	7631.3	USGS
1/25/2023	30.18	7630.59	USGS
USGS 373830106094001, NA03900712BAB			
Well Depth (ft.)	**Latitude (NAD83)**	**Longitude (NAD83)**	**Ground Elevation (ft. NAVD88)**
107.0	37.64721312 N	106.16301961 W	USGS
Unconfined Aquifer			

Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
2/1/2023	33.77	7660.61	USGS
-	No Measurement	-	-
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)
1/25/2023	43.83	7682.57	USGS
-	No Measurement	-	-
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)
1/25/2023	12	7672.6	USGS
-	No Measurement	-	-
USGS 374032106060202, NA04000828DBB2			
Well Depth (ft.)	**Latitude (NAD83)**	**Longitude (NAD83)**	**Ground Elevation (ft. NAVD88)**
50.0	37.6828903 N	106.1029714 W	USGS

Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
-	No Measurement	-	-
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			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/25/2023	34.9	7581.44	USGS
-	No Measurement	-	-
USGS 374305106163701, NA04000614AAA			
Well Depth (ft.)	**Latitude (NAD83)**	**Longitude (NAD83)**	**Ground Elevation (ft. NAVD88)**
21.0	37.7191413 N	106.279449 W	7798.67
Unconfined Aquifer			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/25/2023	20.61	7778.06	USGS
-	No Measurement	-	-
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			
Date	Depth to Water Below Ground (ft.)	Water Level Elevation (ft. NAVD88)	Data Source(s)
1/25/2023	35.66	7580.69	USGS
-	No Measurement	-	-
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)
1/25/2023	44.78	7600.75	USGS
-	No Measurement	-	-
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)
12/15/2022	30.81	7524.44	USBR
1/15/2023	30.64	7524.61	USBR
2/15/2023	30.47	7524.78	USBR

3/15/2023	30.36	7524.89	USBR
4/15/2023	30.24	7525.01	USBR
5/15/2023	30.30	7524.95	USBR
6/15/2023	30.22	7525.03	USBR
7/14/2023	30.87	7524.38	USBR
8/13/2023	31.57	7523.68	USBR
8/15/2023	31.60	7523.65	USBR
9/15/2023	31.88	7523.37	USBR
10/15/2023	31.80	7523.45	USBR
11/15/2023	31.65	7523.60	USBR
12/15/2023	31.45	7523.80	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)
12/15/2022	30.58	7524.67	USBR
1/15/2023	30.32	7524.93	USBR
2/15/2023	30.14	7525.11	USBR
3/15/2023	30.07	7525.18	USBR
4/15/2023	30.13	7525.12	USBR
5/15/2023	30.42	7524.83	USBR
6/15/2023	30.32	7524.93	USBR
7/14/2023	37.33	7517.92	USBR
8/13/2023	40.21	7515.04	USBR
8/15/2023	38.65	7516.60	USBR
9/15/2023	32.30	7522.95	USBR
10/15/2023	31.53	7523.72	USBR
11/15/2023	31.21	7524.04	USBR
12/15/2023	30.92	7524.33	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)
1/30/2023	39.88	7551.33	USGS
2/20/2024	39.06	7552.15	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)
1/30/2023	42.49	7579.97	USGS
2/20/2024	41.77	7580.69	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)
12/15/2022	37.5	7517.45	USBR
1/15/2023	37.24	7517.71	USBR
2/15/2023	37.00	7517.95	USBR
3/15/2023	36.76	7518.19	USBR
4/15/2023	36.55	7518.40	USBR

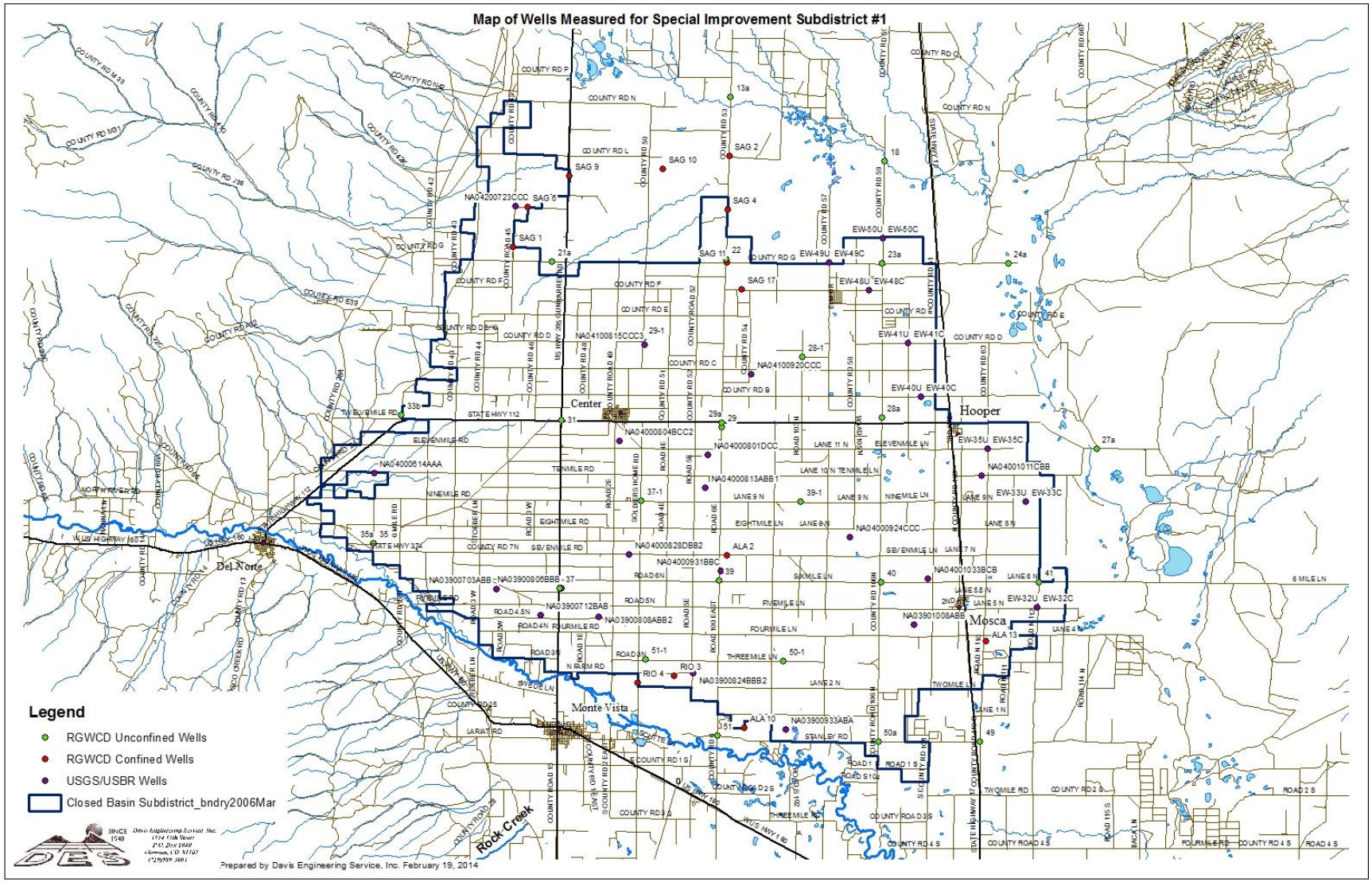
5/15/2023	36.68	7518.27	USBR
6/15/2023	36.64	7518.31	USBR
7/14/2023	37.00	7517.95	USBR
8/1/2023	37.46	7517.49	USBR
8/15/2023	37.73	7517.22	USBR
9/15/2023	37.88	7517.07	USBR
10/15/2023	37.68	7517.27	USBR
11/15/2023	37.42	7517.53	USBR
12/15/2023	37.19	7517.76	USBR
USGS 374734105543502, NA04101018DDD2			
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)
12/15/2022	36.70	7518.25	USBR
1/15/2023	36.39	7518.56	USBR
2/15/2023	36.11	7518.84	USBR
3/15/2023	35.96	7518.99	USBR
4/15/2023	36.08	7518.87	USBR
5/15/2023	36.29	7518.66	USBR
6/15/2023	36.54	7518.41	USBR
7/14/2023	39.77	7515.18	USBR
8/1/2023	40.63	7514.32	USBR
8/15/2023	39.90	7515.05	USBR
9/15/2023	37.26	7517.69	USBR
10/15/2023	36.93	7518.02	USBR
11/15/2023	36.72	7518.23	USBR
12/15/2023	36.48	7518.47	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)
7/15/2022	43.79	7516.09	USBR
6/15/2023	43.65	7516.23	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)
12/15/2022	44.22	7515.66	USBR
1/15/2023	43.92	7515.96	USBR
2/15/2023	43.69	7516.19	USBR
3/15/2023	43.51	7516.37	USBR
4/15/2023	43.32	7516.56	USBR
5/15/2023	43.16	7516.72	USBR
6/15/2023	43.39	7516.49	USBR
7/14/2023	44.17	7515.71	USBR
8/15/2023	44.84	7515.04	USBR
9/15/2023	44.94	7514.94	USBR
10/15/2023	44.90	7514.98	USBR
11/15/2023	44.76	7515.12	USBR
12/15/2023	44.62	7515.26	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)
12/15/2022	30.91	7529.32	USBR
1/15/2023	30.66	7529.57	USBR
2/15/2023	30.44	7529.79	USBR
3/15/2023	30.25	7529.98	USBR
4/15/2023	30.06	7530.17	USBR
5/15/2023	30.00	7530.23	USBR
6/15/2023	30.24	7529.99	USBR
7/14/2023	30.80	7529.43	USBR
8/15/2023	31.59	7528.64	USBR
9/15/2023	32.07	7528.16	USBR
10/15/2023	32.04	7528.19	USBR
11/15/2023	31.81	7528.42	USBR
12/15/2023	31.58	7528.65	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)
12/15/2022	30.82	7529.41	USBR
1/15/2023	30.56	7529.67	USBR
2/15/2023	30.34	7529.89	USBR
3/15/2023	30.15	7530.08	USBR
4/15/2023	29.97	7530.26	USBR
5/15/2023	30.05	7530.18	USBR
6/15/2023	30.35	7529.88	USBR

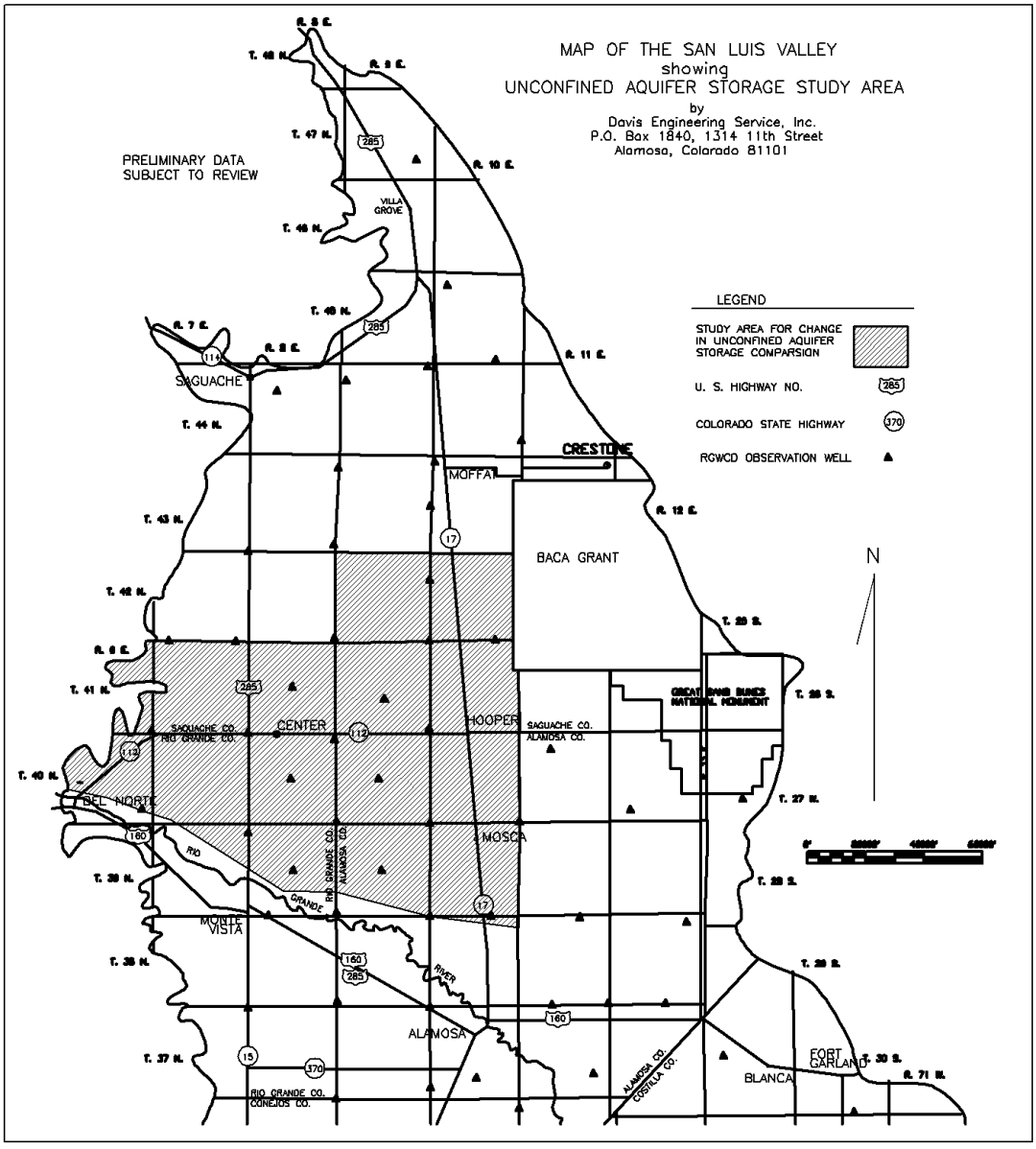
7/14/2023	31.64	7528.59	USBR
8/15/2023	32.47	7527.76	USBR
9/15/2023	32.25	7527.98	USBR
10/15/2023	32.08	7528.15	USBR
11/15/2023	31.81	7528.42	USBR
12/15/2023	31.55	7528.68	USBR
USGS 375100105554201, NA04200936AAA1			
EW-50U			
Well Depth (ft.)	**Latitude (NAD83)**	**Longitude (NAD83)**	**Ground Elevation (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)
12/15/2022	33.90	7517.03	USBR
1/15/2023	33.68	7517.25	USBR
2/15/2023	33.44	7517.49	USBR
3/15/2023	33.24	7517.69	USBR
4/17/2023	33.00	7517.93	USBR
5/15/2023	33.04	7517.89	USBR
6/15/2023	33.24	7517.69	USBR
7/14/2023	33.85	7517.08	USBR
8/15/2023	34.55	7516.38	USBR
9/15/2023	34.77	7516.16	USBR
10/15/2023	34.64	7516.29	USBR
11/15/2023	34.47	7516.46	USBR
12/15/2023	34.25	7516.68	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)
12/15/2022	32.04	7518.89	USBR
1/15/2023	31.67	7519.26	USBR
2/15/2023	31.33	7519.6	USBR
3/15/2023	31.15	7519.78	USBR
4/17/2023	32.96	7517.97	USBR
5/15/2023	32.11	7518.82	USBR
6/15/2023	37.22	7513.71	USBR
7/14/2023	42.30	7508.63	USBR
8/15/2023	38.30	7512.63	USBR
9/15/2023	33.83	7517.10	USBR
10/15/2023	33.32	7517.61	USBR
11/15/2023	32.85	7518.08	USBR
12/15/2023	32.51	7518.42	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)
1/30/2023	25.59	7620.02	USGS
2/20/2024	24.52	7621.09	USGS


Map of Wells Measured for Special Improvement Subdistrict #1
Legend
RGWCD Unconfined Wells
RGWCD Confined Wells
USGS/USBR Wells
Closed Basin Subdistrict_bndry2006Mar
Prepared by Davis Engineering Service, Inc. February 19, 2014
Center
Hooper
Mosca
Del Norte
Monte Vista
Rock Creek

APPENDIX E

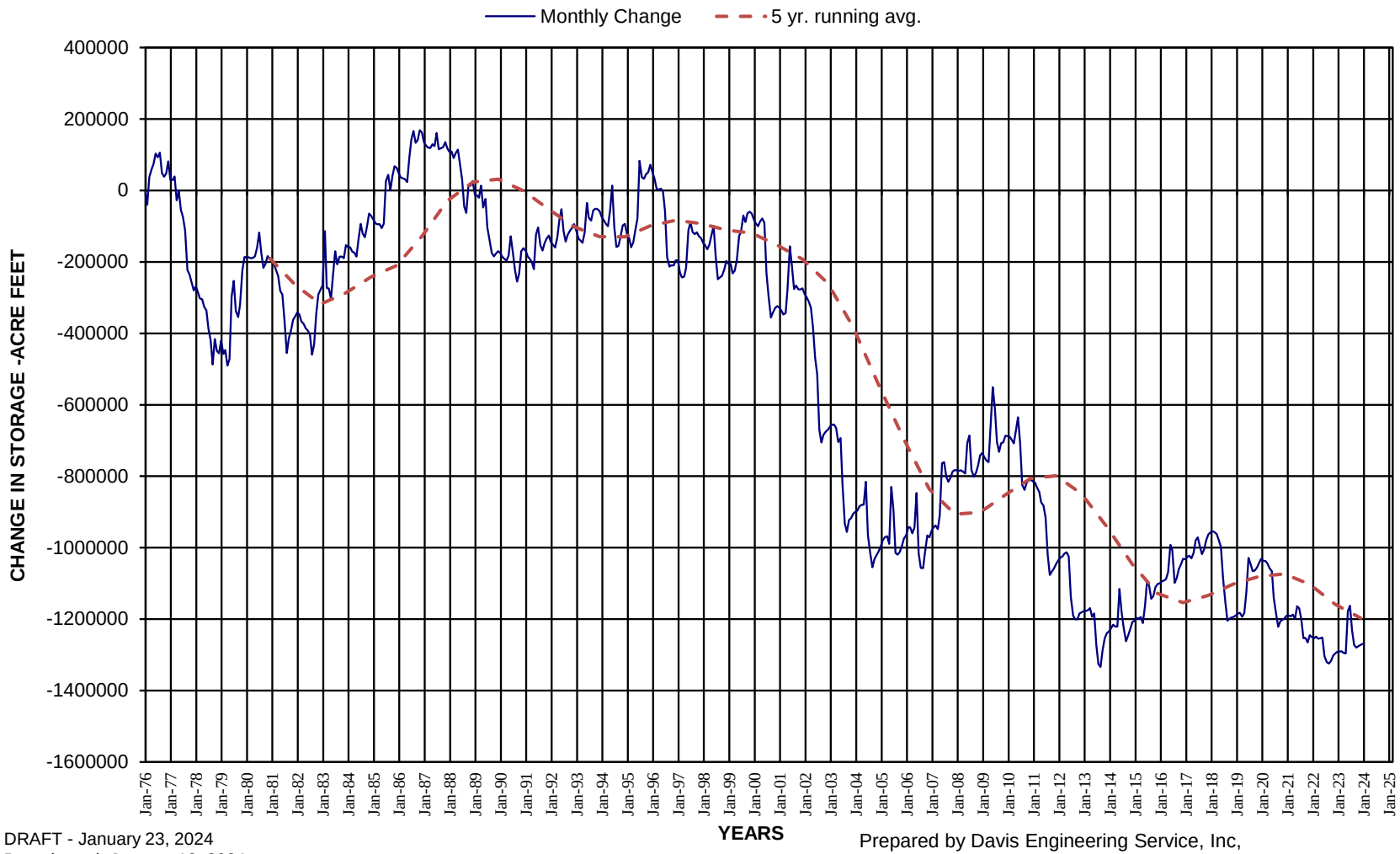
MAP SHOWING STUDY AREA OF CHANGE IN UNCONFINED AQUIFER STORAGE STUDY AND SPREADSHEET CONTAINING CALCULATIONS



EXPLANATION

Change in unconfined aquifer storage has been calculated for a defined area which is shown on the above map. The changes in aquifer storage were based on approximately 27 RGWCD monitoring wells located within the area. The method of computing the change in aquifer storage was in accordance with the Thiessen mean method whereby a polygon is constructed around each observation well and the assumption is made that the change in water level throughout the area of the polygon is the same as the change in the well within the polygon. A graph showing changes since 1976 is attached. Zero on the vertical axis of the graph was assumed as corresponding to 1976 for graphing purposes; however, it should not be assumed that the unconfined aquifer was at equilibrium as of that date.

CHANGE IN UNCONFINED AQUIFER STORAGE
WEST CENTRAL SAN LUIS VALLEY



DRAFT - January 23, 2024
Data through January 12, 2024

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			
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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			
02/01/85	-9851.8862	-92071.4532			
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			
09/01/85	-43171.1248	699.7536			
10/01/85	40156.7842	40856.5378			
11/01/85	27226.9452	68083.483			
12/01/85	-4950.523	63132.96	12/1/1985	-26512.9543	**-210487.0986**
01/01/86	-15153.6006	47979.3594			
02/01/86	-11942.747	36036.6124			
03/01/86	-2051.9134	33984.699			
04/01/86	-2624.1968	31360.5022			
05/01/86	-7548.0792	23812.423			
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			
11/01/86	27434.1912	169020.2212			
12/01/86	-7089.3554	161930.8658	12/1/1986	98262.43422	**-127906.0652**
01/01/87	-27121.0626	134809.8032			
02/01/87	-10165.2164	124644.5868			
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04/01/87	-98.3976	119322.3416			
05/01/87	9934.6574	129256.999			
06/01/87	-5171.0554	124085.9436			
07/01/87	36811.5546	160897.4982			
08/01/87	-44875.6178	116021.8804			
09/01/87	2340.9648	118362.8452			
10/01/87	3234.668	121597.5132			
11/01/87	13937.8514	135535.3646			
12/01/87	-17861.8646	117673.5	12/1/1987	126802.4179	**-28980.04268**
01/01/88	-9444.3734	108229.1266			
02/01/88	811.9922	109041.1188			
03/01/88	-18020.8332	91020.2856			
04/01/88	14247.6012	105267.8868			
05/01/88	8912.6214	114180.5082			
06/01/88	-41190.7994	72989.7088			
07/01/88	-42296.4168	30693.292			
08/01/88	-75904.7774	-45211.4854			
09/01/88	-17545.5566	-62757.042			
10/01/88	74913.5368	12156.4948			
11/01/88	1595.7166	13752.2114			
12/01/88	12663.2976	26415.509	12/1/1988	47981.46788	**23222.50886**
01/01/89	-38987.194	-12571.685			
02/01/89	-1264.3662	-13836.0512			
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			
08/01/89	-37634.819	-141543.6054			
09/01/89	-33471.0904	-175014.6958			
10/01/89	-9469.8628	-184484.5586			
11/01/89	7617.3684	-176867.1902			
12/01/89	6750.7176	-170116.4726	12/1/1989	-88015.9789	**31703.47737**
01/01/90	-4769.87	-174886.35			
02/01/90	-11080	-185966.35			
03/01/90	-5701.32	-191667.67			
04/01/90	-4746.08	-196413.75			
05/01/90	14838.86	-181574.89			
06/01/90	53480.26	-128094.63			
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			
11/01/90	62469.44	-170081.44			
12/01/90	8670.56	-161410.88	12/1/1990	-189315.138	**-856.9594433**
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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			
04/01/92	27358.73	-132039.59			
05/01/92	49172.2	-82867.39			
06/01/92	30517.09	-52350.3			
07/01/92	-61377.25	-113727.55			
08/01/92	-29466.45	-143194			
09/01/92	19766.04	-123427.96			
10/01/92	10003.51	-113424.45			
11/01/92	9475.81	-103948.64			
12/01/92	9751.99	-94196.65	12/1/1992	-117985.894	**-101494.2507**
01/01/93	-19574.34	-113770.99			
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04/01/93	-6761.91	-146560.37			
05/01/93	28342.13	-118218.24			
06/01/93	83820.2	-34398.04			
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**
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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**
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02/01/97	-34509.72	-229926.54			
03/01/97	-13474.98	-243401.52			
04/01/97	1774.84	-241626.68			
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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			
10/01/97	4871.71	-117100.42			
11/01/97	-11389.64	-128490.06			
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02/01/98	-7244.28	-153819.60			
03/01/98	-11003.25	-164822.85			
04/01/98	13832.73	-150990.12			
05/01/98	26835.28	-124154.84			
06/01/98	24525.66	-99629.18			
07/01/98	-86544.46	-186173.64			
08/01/98	-62424.97	-248598.61			
09/01/98	5139.82	-243458.79			

10/01/98	4962.4	-238496.39			
11/01/98	19064.48	-219431.91			
12/01/98	21806.96	-197624.95	12/1/1998	-181148.02	**-110888.5063**
01/01/99	-8158.3	-205783.25			
02/01/99		-205783.25			
03/01/99	-26177.01	-231960.26			
04/01/99	7078.76	-224881.50			
05/01/99	28649.22	-196232.28			
06/01/99	69444.49	-126787.79			
07/01/99	10866.6	-115921.19			
8/1/1999	45937.93	-69983.26			
9/1/1999	-18256.4	-88239.66			
10/1/1999	25072.23	-63167.43			
11/1/1999	3395.63	-59771.80			
12/1/1999	-5179.25	-64951.05	12/1/1999	-137788.56	**-119655.8167**
01/01/00	-16163.94	-81114.99			
2/1/2000	-11572.38	-92687.37			
3/1/2000	-7314.25	-100001.62			
4/1/2000	13776.14	-86225.48			
5/1/2000	7463.87	-78761.61			
6/1/2000	-11438.35	-90199.96			
7/1/2000	-142168.15	-232368.11			
8/1/2000	-64010.24	-296378.35			
9/1/2000	-59406.32	-355784.67			
10/1/2000	12841.23	-342943.44			
11/1/2000	13716.71	-329226.73			
12/1/2000	5660.88	-323565.85	12/1/2000	-200771.52	**-152632.734**
1/1/2001	-5034.97	-328600.82			
2/1/2001	-7741.4	-336342.22			
3/1/2001	-10619.63	-346961.85			
4/1/2001	3395.31	-343566.54			
5/1/2001	67893.3	-275673.24			
6/1/2001	119504.33	-156168.91			
7/1/2001	-56351.66	-212520.57			
8/1/2001	-63531.87	-276052.44			
9/1/2001	10225.82	-265826.62			
10/1/2001	-11044.03	-276870.65			
11/1/2001	-471.66	-277342.31			
12/1/2001	3387.38	-273954.93	12/1/2001	-280823.43	**-192532.49**
1/1/2002	-16009.8	-289964.73			
2/1/2002	-8579.35	-298544.08			
3/1/2002	-12802.62	-311346.70			
4/1/2002	-17061.78	-328408.48			
5/1/2002	-54731.22	-383139.70			
6/1/2002	-84223.33	-467363.03			
7/1/2002	-47044.08	-514407.11			
8/1/2002	-155068.98	-669476.09			
9/1/2002	-36166.69	-705642.78			

10/1/2002	21834.27	-683808.51			
11/1/2002	8697.05	-675111.46			
12/1/2002	5228.62	-669882.84	12/1/2002	-499757.96	**-260057.90**
1/1/2003	8816.68	-661066.16			
2/1/2003	5225	-655841.16			
3/1/2003	776.4	-655064.76			
4/1/2003	-9792.03	-664856.79			
5/1/2003	-39448.05	-704304.84			
6/1/2003	10795.54	-693509.30			
7/1/2003	-126538.8	-820048.10			
8/1/2003	-112758.52	-932806.62			
9/1/2003	-23049.89	-955856.51			
10/1/2003	33312.09	-922544.42			
11/1/2003	4901.83	-917642.59			
12/1/2003	12414.57	-905228.02	12/1/2003	-790730.77	**-381974.45**
1/1/2004	5298.8	-899929.22			
2/1/2004	4101.36	-895827.86			
3/1/2004	11666.14	-884161.72			
4/1/2004	4071.05	-880090.67			
5/1/2004	851.89	-879238.78			
6/1/2004	64077.86	-815160.92			
7/1/2004	-150007.92	-965168.84			
8/1/2004	-46423.75	-1011592.59			
9/1/2004	-43548.74	-1055141.33			
10/1/2004	23498.94	-1031642.39			
11/1/2004	10603.09	-1021039.30			
12/1/2004	10642.81	-1010396.49	12/1/2004	-945782.51	**-543573.24**
1/1/2005	14680.6	-995715.89			
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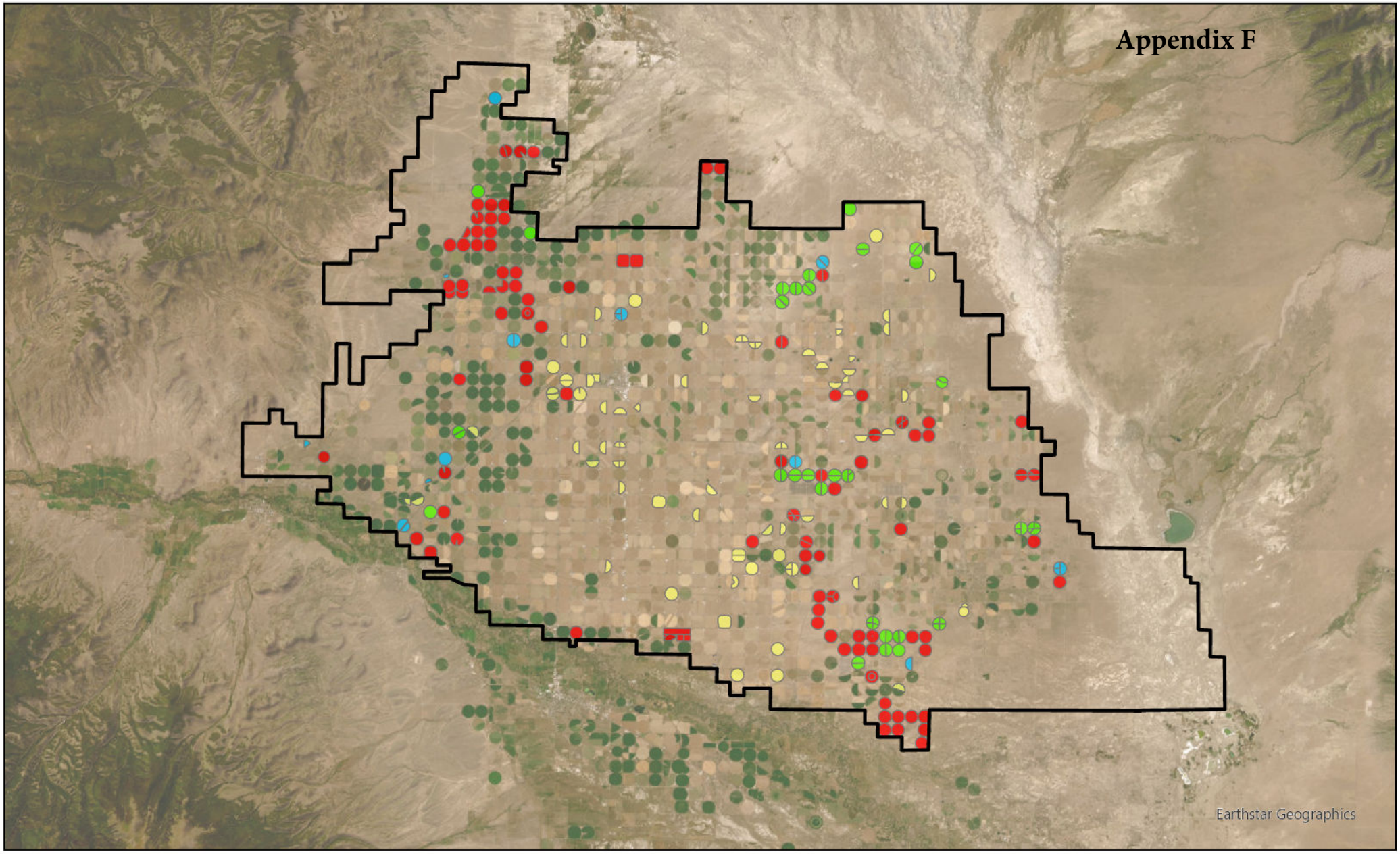


Subdistrict 1 Conservation Programs 2023

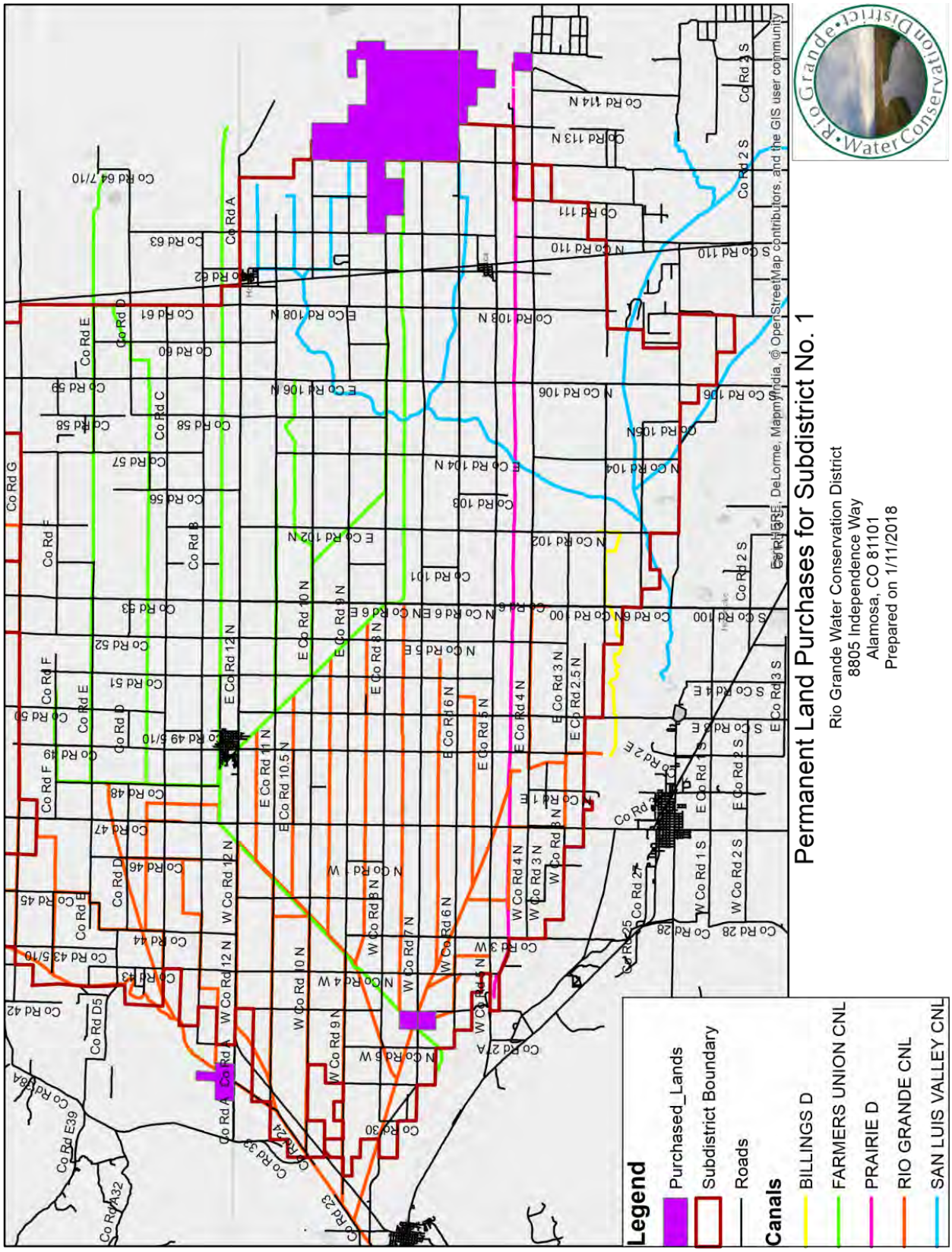
- CREP
- Fallow Contract
- Well Purchase Program
- Prevent Plant
- Sub1RA

0 2 4 8 12 16
1228
Miles

N
W E
S

Rio Grande Water Conservation District

APPENDIX G


Permanent Land Purchases for Subdistrict No. 1
Rio Grande Water Conservation District
8805 Independence Way
Alamosa, CO 81101
Prepared on 1/11/2018
Rio Grande Water Conservation District
Earthstar Geographics, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community
Legend
Purchased_Lands
Subdistrict Boundary
Roads
Canals
BILLINGS D
FARMERS UNION CNL
PRAIRIE D
RIO GRANDE CNL
SAN LUIS VALLEY CNL

Subdistrict #1 Well Purchase Program		
Year	WDID	10-year Avg. Pumping Retired (AF)
2021	2005698	147.13
	2005699	
	2006297	183.89
	2006298	
	2014188	
	2005132	113.61
	2005451	
	2705474	236.97
	2005676	264.09
	2005677	
	2013934	
	2013935	
	2005134	101.43
	2005534	
	2009617	113.64
	2008204	120.99
	2008203	83.81
	2705498	214.59
	2705307	186.34
2022	2005604	71.16
	2005603	60.78
	2011877	286.19
	2006565	
	2006566	
	2006289	123.41
	2014265	
	2006288	
	2705473	104.9
	2705548	102.19
	2006307	66.35
	2006306	
	2006670	
	2006668	56.96
	2006669	
	2705476	137.54
2023	2705116	264.43
	2705117	
	2009121	254.8
	2009122	
	2705478	171.78
	2705499	162.8
	2706226	
	2705475	147.33
	2008173	219.89
	2008172	
	2008214	
	2008215	
	2006570	153.96
	2006571	
	2705227	275.82
Total avg. AF Retired		**4426.78**

APPENDIX I

RIO GRANDE COMPACT TEN DAY REPORT

PRELIMINARY DATA

DATE: January 3, 2024 Period Ending: December 31, 2023

RIO GRANDE

CBP Allocation: 50%

(Units in Thousands of Acre-Feet)

Projected Annual Index: 708,100 Obligation: 208,000 % of Index: 29%
(Includes Reservoir Releases)

	RIO GRANDE INDEX SUPPLY			ADJUSTED DELIVERIES	
MONTH	Recorded Flow near Del Norte	Accumulated Total		Rio Grande Lobatos less Conejos-La Sauses *	Accumulated Total
JAN	10.3	10.3		11.4	11.4
FEB	9.0	19.3		10.8	22.2
MAR	12.4	31.7		15.0	37.2
APR	67.1	98.8		13.2	50.4
MAY	274.3	373.1		63.1	113.5
JUN	203.8	576.9		51.7	165.2
JUL	56.7	633.6		15.4	180.6
AUG	21.6	655.2		4.6	185.2
SEP	16.1	671.3		1.9	187.1
OCT	17.5	688.8		2.9	190.0
NOV	10.8	699.6		2.5	192.5
DEC	8.5	708.1		9.9	202.4
Annual Credit					
APR-SEP	639.6				
TOTAL	708.1			202.4	

* Deliveries Include: Adjusted Closed Basin Project Production 3,722 Acre-Feet.

Delivery Target	(% of Index)	Estimated Curtailment of Ditches	(% of Index)
Jan. 1 - March 31	100%	Jan. 1 - March 31	100%
April 1 - July 11	23%	April 1 - July 11	23%
July 12 - Aug 4	20%	July 12 - Aug 4	20%
Aug 5 - 22	17%	Aug 5 - 22	17%
Aug 23 - Oct 5	2%	Aug 23 - Oct 5	2%
Oct 6 - Nov 8	0%	Oct 6 - Nov 8	0%

Respectfully submitted,

Craig W. Cotten

Craig W. Cotten, Division Engineer, Division III

RIO GRANDE COMPACT TEN DAY REPORT

PRELIMINARY DATA

DATE: January 3, 2024 Period Ending: December 31, 2023

CONEJOS RIVER

CBP Allocation: 50%

(Units in Thousands of Acre-Feet)

Projected Annual Index: 411,500 Obligation: 198,100 % of Index: 48%

CONEJOS INDEX SUPPLY								ADJUSTED DELIVERIES	
MONTH	MEASURED FLOW			PLATORO SUPPLY					
	Conejos at Mogote	Los Pinos near Ortiz	San Antonio at Ortiz	Storage End of Month	Change in Storage	Supply in Month	Accum. Total	Conejos River at Mouths near La Sauses*	Accum. Total
JAN	3.3	-----	-----	14.1	-0.2	3.1	3.1	4.6	4.6
FEB	3.0	-----	-----	14.1	0.0	3.0	6.1	4.4	9.0
MAR	4.4	-----	-----	14.1	0.0	4.4	10.5	6.5	15.5
APR	22.1	13.0	7.9	13.9	-0.2	42.8	53.3	15.2	30.7
MAY	90.4	64.1	13.7	32.2	18.3	186.5	239.8	79.9	110.6
JUN	77.3	23.0	1.3	51.3	19.1	120.7	360.5	54.5	165.1
JUL	32.8	2.6	0.0	44.2	-7.1	28.3	388.8	13.0	178.1
AUG	12.3	1.0	0.0	38.3	-5.9	7.4	396.2	3.9	182.0
SEP	6.6	1.0	0.1	36.0	-2.3	5.4	401.6	2.3	184.3
OCT	5.9	0.9	0.1	33.7	-2.3	4.6	406.2	1.9	186.2
NOV	3.0	-----	-----	33.4	-0.3	2.7	408.9	3.0	189.2
DEC	2.8	-----	-----	33.2	-0.2	2.6	411.5	3.5	192.7
Annual Credit									
APR-SEP	241.5	104.7	23.0		21.9	391.1			
TOTAL	263.9	105.6	23.1			411.5		192.7	

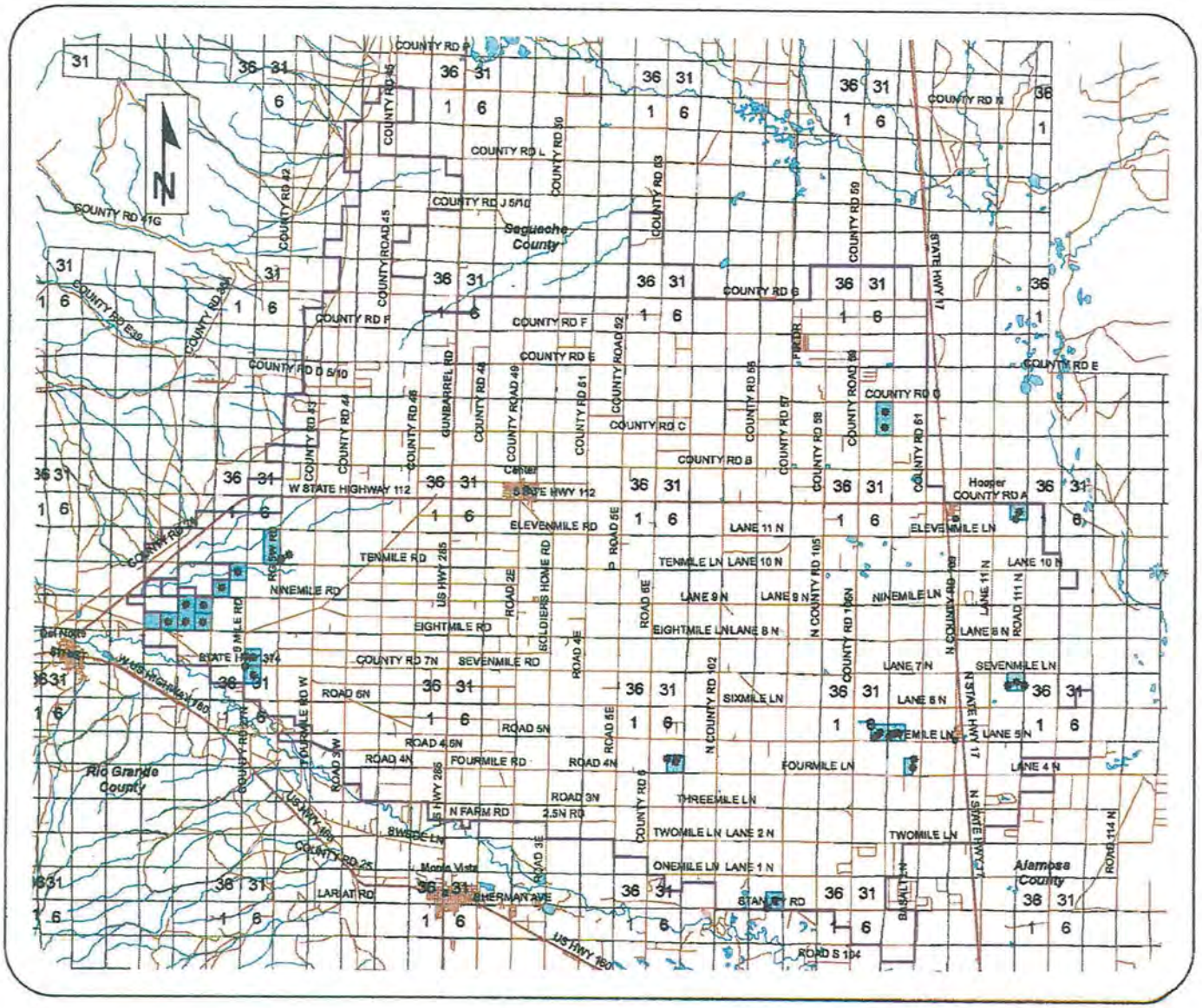
* Deliveries Include: Adjusted Closed Basin Project Production 3,722 Acre-Feet.

Delivery Target	(% of Index)	Estimated Curtailment of Ditches	(% of Index)
Jan. 1 - March 31	100%	Jan. 1 - March 31	100%
April 1 - July 11	41%	April 1 - July 11	41%
July 12 - Aug 9	55%	July 12 - Aug 9	55%
Aug 10 - 22	40%	Aug 10 - 22	40%
Aug 23 - Nov 1	28%	Aug 23 - Nov 1	28%
Nov 2 - Dec 31	100%	Nov 2 - Dec 31	100%

APPENDIX J

Augmentation Wells and Map

Augmentation Plan Wells that are Part of a farm Unit					
Case No.	Plan Type	Decreed Owner	Current Owner	WDID	Governed*
00CW0019	Augmentation Plan	Ensz	Roger Ensz	2005728	Y
				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
				2008241	A
				2013719	Y
				2013720	Y
				2013721	Y
				2013722	Y
99CW0009	Augmentation Plan	Off Ranches	Cory Off	2009876	Y
				2013756	Y
99CW0025	Augmentation Plan	Bradley	Jim Bradley	2010235	Y
			Enrolled in 4 year fallow 2020 - 2024	2013884	Y
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

0 1 2 4 6 Miles

Prepared 1/15/2013

SINCE 1948 DES
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1314 12th Street
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Alamosa, CO 81101
(719)589-3004

Great Sand Dunes National Park & Preserve (GSDNPP)

Pumping for 2023 and Schedule of Depletions

This information was compiled on February 27, 2024, to assist with the compilation of the Annual Report for Subdistrict No. 1. The measured groundwater use for 2023 is included below (Table 1). The Consumptive Use percentage is 10% of total pumping.

Table 1
National Park Service Estimated Net Groundwater Consumptive Use
(Units in acre-feet)

	National Park Service Total					Recharge that Offsets Groundwater					
Year	Irrigation Pumping to Center Pivots	Irrigation Pumping to Flood Irrigation	Other Pumping	Other Consumptive Use Ratio	Groundwater Consumption	Recharge Source 1	Recharge Source 2	Recharge Source 3	Recharge Source 4	Total	Net Groundwater Consumptive Use
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
2011			9.95	10%	1.00					0	1.00
2012			10.48	10%	1.05					0	1.05
2013			9.74	10%	0.97					0	0.97
2014			10.50	10%	1.05					0	1.05
2015			10.79	10%	1.08					0	1.08
2016			16.36	10%	1.64					0	1.64
2017			7.28	10%	0.73					0	0.73
2018			5.60	10%	0.56					0	0.56
2019			7.75	10%	0.78					0	0.78
2020			11.62	10%	1.16					0	1.16
2021			5.79	10%	0.58					0	0.58
2022			7.63	10%	0.76					0	0.76
2023			**4.77**	**10%**	**0.48**					**0**	**0.48**
Avg			9.10		0.91						0.91

Estimated stream depletions (acre-feet) (Table 2) are average-based and assume that all groundwater withdrawn by the Park's wells comes from reduced discharge of Medano Creek (i.e., change in aquifer storage = 0).

Table 2
National Park Service Monthly Net Stream Depletions for 2023 ARP Year
(Units in acre-feet)

	Response Area No.1 Total												
Stream Reach	**2022**								**2023**				**Total**
	May	**Jun**	**Jul**	**Aug**	**Sep**	**Oct**	**Nov**	**Dec**	**Jan**	**Feb**	**Mar**	**Apr**	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Medano Creek	0.041	0.039	0.041	0.041	0.039	0.041	0.039	0.041	0.041	0.037	0.041	0.039	0.477
Total	**0.041**	**0.039**	**0.041**	**0.041**	**0.039**	**0.041**	**0.039**	**0.041**	**0.041**	**0.037**	**0.041**	**0.039**	**0.477**

Depletions for the irrigation season will be remedied through forbearance agreements.

Compliance with the Sustainability Metric

GSDNPP obtained approval of the State Engineer per a letter dated January 14, 2021, that describes a Sustainability Metric that is acceptable for a five-year period extending from October 1, 2020, through September 30, 2025. The proposed metric is to limit total pumping from the NPS wells to 54.02 acre-feet, averaging 10.80 acre-feet/year. NPS is in the process of obtaining a decreed Plan for Augmentation and this metric will be reevaluated at the end of the period for incorporation into the Plan. Total pumping for 2021, 2022, and 2023 was 6.31 acre-feet, 6.03 acre-feet, and 4.66 acre-feet, respectively. Therefore, total measured NPS pumping under this Sustainability Metric is 17.01 acre-feet. Note: Sustainability Metric pumping data are reported on an October-through-September cycle; therefore, annual pumping totals reported in Table 3 differ from those reported in Tables 1 and 2.

Table 3
Compliance with the National Park Service Sustainability Metric
(Units in acre-feet)

Year	Total Pumping
(1)	(2)
2021	6.31
2022	6.03
2023	4.66
2024	
2025	
Running Total	**17.01**
Running Annual Average	**5.67**
Total Volume Remaining	**37.01**