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

# ANNUAL REPORT FOR THE 2021 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 15, 2021, the 2021 ARP was finalized and provided to the SEO, the District Court and the public. On May 3, 2021, the SEO approved the 2021 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 2021 ARP. The AR is due on or before March 1, 2022.

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 2021 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 2021 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 2021 ARP and to Subdistrict #1's actual operations. It also details the outcomes of Subdistrict #1's actions during the 2021 ARP year.

Subdistrict #1 proceeded with proactive and conservative practices during the 2021 ARP Year to ensure senior water rights were not injured by groundwater withdrawals from Subdistrict #1 Wells. The 2021 AR describes the data, methodology and calculations that verify injurious depletions were remedied as required.

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

The AR data is accurate as of March 1, 2022 but will not be complete until the end of the 2022 ARP year, April 30, 2023.

# 1.0 CALCULATIONS OF ACTUAL PLAN YEAR 2021 RIOGRANDE DEPLETIONS FROM SUBDISTRICT WELLS

This section of the 2021 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 2021 ARP completed on April 15, 2021. 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 2021 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 2021 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 2021. Data collected from the Division 3 Engineer's Preliminary Rio Grande Compact Ten Day Report on April 8, 2021 estimated the flow for the period April – September 2021 for the index gage to be 365,000 ac-ft. Also, from the data contained in the report, 70,000 ac-ft is added to the April – September hybrid forecast for the

index gage to obtain the projected annual flow. Therefore, using the Division Engineer's April 8, 2021 hybrid forecast and the additional 70,000 ac-ft, the projected annual flow of the Rio Grande at the index gage was 435,000 ac-ft.

### 1.1.3 2021 Actual Stream Flow

Based on the Division 3 Engineer's Rio Grande Compact Ten Day Report for the end of 2021, see Appendix H of the Appendices, the actual annual flow of the Rio Grande through the index gage was 450,000 ac-ft. This decrease below the projected flows resulted in an increase in calculated stream depletions for the Subdistrict. On December 20, 2021 staff at the Rio Grande Water Conservation District, reran the Response function with approximate 2021 ground water withdrawal figures based on the date received from the submitted meter readings as well as the decrease in Rio Grande flows from the projected flows. This was done as a preventative measure to ensure depletions calculations were being made as accurately as possible with known data. On January 3, 2022 the revised depletion schedule was approved by the State Engineer. As of December 1, 2021, Subdistrict No.1 operated under the revised schedule. See Table 1.7 below. The actual annual flow of the Conejos River through the index gage was 225,000 ac-ft, also included in Appendix H.

## 1.2 TOTAL GROUNDWATER WITHDRAWALS

Based on information obtained from the Division of Water Resources on February 18, 2022, the actual metered groundwater withdrawals from Subdistrict #1 Wells included in the 2021 ARP was 208,791 ac-ft for Irrigation Year 2021. Projected groundwater withdrawals for 2021, as contained in the 2021 ARP, was 240,000 ac-ft. Staff did rerun the Response Function on January 3, 2021 and decreased the estimated pumping to 214,000 ac-ft. to anticipate and mitigate any potential increase in depletions. All Subdistrict #1 metered groundwater withdrawals in 2021 was used for irrigation with the vast majority through center pivot sprinklers and only a small amount applied to flood irrigation.

The 2021 ARP well list was modified as a result of multiple factors. Seven wells were added to the 2021 ARP list through a participation contract: 2011592, 2012418, 2013877, 2014042, 2014495, 2014530 and 2706174. Five wells were removed due to the wells not having a legal use the subdistrict could cover: 2012935, 2014575, 2014319, 2700693 and 2705029.

## 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 |

The actual 2021 annual calculated recharge credits for these four canals/ditches within Subdistrict #1 were prepared using end of irrigation year 2021 canal diversion records obtained from Division of Water Resources and information obtained directly from canal companies and irrigators. The actual recharge credit for each canal is adjusted through the following steps, which results in total consumable credit.

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

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

Further, it was necessary to reduce the totals by the actual consumptive use attributable to surface water used directly through sprinklers and for flood irrigation. This data was obtained from irrigators during 2021 and is listed below:

1) Rio Grande Canal: Surface water through sprinklers = 4,427 ac-ft and surface water applied to flood irrigation = 287.9 ac-ft.
2) San Luis Valley Irrigation District: Surface water through sprinklers = 0 ac- ft and surface water applied to flood irrigation = 0 ac-ft.
3) Prairie Ditch: Surface water through sprinklers = 112.69 ac-ft and surface water applied to flood irrigation = 0 ac-ft.
4) San Luis Valley Canal: Surface water through sprinklers = 255 ac-ft. and surface water applied to flood irrigation = 0 ac-ft.

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

**Table 1.1**
**Calculated Recharge Decree Credits for Subdistrict #1 During 2021**
**Prepared February 21, 2022**
**(All units in ac-ft)**

| | Rio Grande Canal | San Luis Valley I.D. | Prairie Ditch | SLV Canal | Totals |
|---|---|---|---|---|---|
| Total Consumable | 89,530.30 | 11,330.06 | 6,897.00 | 10,298.95 | 118,056.31 |
| % Within Subdistrict #1 | 92.38% | 100% | 99.20% | 78.82% | |
| Total Consumable Within Subdistrict #1 | 82,708.09 | 11,330.06 | 6,841.82 | 8,117.63 | 108,997.61 |
| Surface Water Through Sprinklers @83% | -3,674.42 | 0.00 | -93.54 | -211.87 | -3,979.83 |
| Surface Water Used for Flood @60% | -172.74 | 0 | 0 | 0 | -172.74 |
| **Totals** | **78,860.93** | **11,330.06** | **6,748.28** | **7,905.76** | **104,845.04** |



Therefore, the calculated consumable credit under the four recharge decrees for 2021 is 104,845.04 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 2021 ARP year was 69,997 ac-ft as shown in Table 1.3. Referencing the ranges in Table 1.2, the 2021 ARP year is classified as a "Average" year.

## 1.5 2021 STREAM DEPLETIONS

Stream depletions attributable to the groundwater withdrawals from Subdistrict #1 Wells have been calculated using the Response Function spreadsheet produced by the RGDSS Groundwater Model Phase 6P98 (RGDSS Model) as operated by DWR. The first step in calculating depletions is to update Table 1.3 to derive annual Net Groundwater Consumptive Use. For reference, values for previous years 2011- 2020 are included in the table along with the values for 2021. Notes are included at the bottom of the table to provide a description of the calculations. For 2021, the values in columns 5 through 9 are obtained from Table 1.1, above.

The Net Groundwater Consumption Use data for 2021 is applied to the Response Function spreadsheet contained in Table 1.4 to calculate stream depletions for the 2021 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 2021. 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 2021 Plan Year stream depletions as required under the Plan and Decree.

# Table 1.3
# Estimated Net Groundwater Consumptive Use

(Units in ac-ft)

| | Subdistrict #1 Total | | | | Recharge that Offsets Groundwater Withdrawals | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Year | Irrigation Pumping to Center Pivots | Irrigation Pumping to Flood Irrigation | Other Pumping | Groundwater Consumption | Rio Grande Canal | San Luis Valley Irrigation District | Prairie Ditch | San Luis Valley Canal | Total | Net Groundwater Consumptive Use |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) |
| 2011 | 323,882 | 0 | 5,446 | 272,193 | 83,801 | 9,981 | 8,325 | 8,204 | 110,310 | 161,883 |
| 2012 | 259,912 | 0 | 3,873 | 218,132 | 54,870 | 6,748 | 4,795 | 3,620 | 70,034 | 148,099 |
| 2013 | 227,826 | 0 | 5,300 | 192,144 | 84,919 | 5,477 | 4,227 | 4,782 | 99,404 | 92,740 |
| 2014 | 235,933 | 0 | 4,455 | 198,432 | 110,566 | 28,596 | 14,133 | 12,777 | 166,072 | 32,360 |
| 2015 | 203,861 | 0 | 4,890 | 171,801 | 122,980 | 34,685 | 15,139 | 15,608 | 188,412 | -16,611 |
| 2016 | 234,588 | 0 | 4,656 | 197,144 | 125,562 | 32,064 | 12,873 | 14,396 | 184,894 | 12,250 |
| 2017 | 233,855 | 0 | 5,207 | 196,898 | 138,112 | 31,813 | 15,292 | 16,043 | 201,260 | -4,363 |
| 2018 | 259,680 | 0 | 6,056 | 219,120 | 42,895 | 2,136 | 1,924 | 2,140 | 49,096 | 170,025 |
| 2019 | 210,450 | 0 | 4,807 | 177,236 | 132,121 | 45,852 | 22,196 | 22,619 | 222,788 | -45,552 |
| 2020 | 243,074 | 0 | 3,899 | 203,709 | 58,838 | 10,230 | 5,879 | 5,467 | 80,413 | 123,296 |
| **2021** | 208,791 | | 2,987 | 174,842 | 78,861 | 11,330 | 6,748 | 7,906 | 104,845 | 69,997 |
| **Avg** | **240,168** | **0** | **4,689** | **201,968** | **93,957** | **19,901** | **10,139** | **10,324** | **134,321** | **67,648** |

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 | 415,182 | 161,883 | 2,117 | 1,316 | -266 | | 3,167 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2012 | 328,382 | 148,099 | 2,105 | 1,514 | -263 | | 3,356 |
| 2013 | 344,435 | 92,740 | 1,987 | 1,414 | -207 | | 3,194 |
| 2014 | 518,599 | 32,360 | 1,796 | 1,142 | -136 | | 2,802 |
| 2015 | 555,700 | -16,611 | 963 | 896 | -51 | | 1,808 |
| 2016 | 565,800 | 12,250 | 748 | 722 | -56 | | 1,414 |
| 2017 | 573,900 | -4,363 | 609 | 567 | -35 | | 1,141 |
| 2018 | 213,100 | 170,025 | 1,007 | 1,021 | -228 | | 1,800 |
| 2019 | 855,000 | -45,552 | -1,021 | 904 | 50 | | -67 |
| 2020 | 307,800 | 123,296 | -900 | 973 | -96 | | -23 |
| 2021 | 381,197 | 69,997 | -503 | 944 | -74 | | 367 |
| 2022 | | | -549 | 670 | -3 | | 118 |
| 2023 | | | -506 | 481 | 0 | | -25 |
| 2024 | | | -386 | 376 | -1 | | -11 |
| 2025 | | | -299 | 303 | -1 | | 3 |
| 2026 | | | -240 | 250 | -1 | | 9 |
| 2027 | | | -188 | 199 | -1 | | 10 |
| 2028 | | | -149 | 152 | -1 | | 2 |
| 2029 | | | -113 | 116 | -1 | | 2 |
| 2030 | | | -109 | 93 | 1 | | -15 |
| 2031 | | | -121 | 78 | 2 | | -41 |
| 2032 | | | -129 | 68 | 3 | | -58 |
| 2033 | | | -126 | 59 | 3 | | -64 |
| 2034 | | | -102 | 44 | 3 | | -55 |
| 2035 | | | -61 | 27 | 2 | | -32 |
| 2036 | | | -51 | 19 | 2 | | -30 |
| 2037 | | | -47 | 5 | 3 | | -39 |
| 2038 | | | -35 | 0 | 2 | | -33 |
| 2039 | | | 38 | 0 | -1 | | 37 |
| 2040 | | | 11 | 0 | 0 | | 11 |
| 2041 | | | 0 | 0 | 0 | | 0 |
| Avg 2001-2021 | 465,758 | 87,042 | 1,918 | 1,253 | -173 | | 2,999 |
| Avg 2001-2010 | 472,181 | 108,375 | 3,138 | 1,490 | -226 | | 4,401 |
| Post Plan Depletion | | | -3,165 | 2,941 | 9 | | -211 |

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 2021 is from the November 9, 2021 Rio Grande Compact Ten Day Report

(3) Net Groundwater Consumptive Use (NetGWCU) for January through December. NetGWCU valuesfor 2001 through 2010 were taken from the RGDSS Groundwater Model output. NetGWCU values for 2012 through 2021 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 March 1, 2022**
(Units in ac-ft)

| | Subdistrict #1 Total | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 2021 | | | | | | | | 2022 | | | | |
| **Stream Reach** | **May** | **June** | **July** | **Aug** | **Sep** | **Oct** | **Nov** | **Dec** | **Jan** | **Feb** | **Mar** | **Apr** | **Total** |
| Rio Grande Del Norte-Excelsior | -62.45 | -57.9 | -43.3 | -32.80 | -29.64 | -32.14 | -33.53 | -32.42 | -42.65 | -39.31 | -49.91 | -46.6 | -503 |
| Rio Grande Excelsior-Chicago | 97.14 | 78.6 | 57.9 | 56.38 | 54.13 | 61.75 | 80.51 | 89.20 | 92.69 | 89.01 | 101.34 | 85.14 | 944 |
| Rio Grande Chicago-State Line | 1.50 | -3.4 | -18.7 | -3.47 | 0.39 | -8.53 | 0.00 | 2.94 | -3.40 | -9.33 | -13.03 | -19.0 | -73 |
| **Total** | **37** | **18** | **-4** | **20** | **24** | **21** | **47** | **60** | **47** | **41** | **38** | **19** | **368** |

As indicated in lower right-hand corner of Table 1.5, the calculated total depletions that will impact the Rio Grande during the 2021 ARP year, due to both past groundwater withdrawals and the 2021 groundwater withdrawals, using the RGDSS Groundwater Model Phase 6P98 Response Function are **368** ac-ft. The locations of the depletions and monthly quantities are also tabulated in Table 1.5.

If wells that were groundwater withdrawals in 2021 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 -200 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 |
|---|---|---|---|---|
| 2022-2041 | -3,151 | 2,940 | 11 | -200 |

Table 1.7 lists both the April 2021 projected obligations and the February 2022 final calculated obligations to compare projected versus actual calculated depletions for the 2021 ARP Year.

## Table 1.7
## Subdistrict # 1 Monthly Stream Replacement Obligation for 2021 ARP year

(Units in ac-ft)

| | Reach #1 | | | | | Reach # 2 | | | | | Reach # 3 | | | | | **TOTALS** | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Month | 4/2020 Projection | 2/2021 Calculation | 4//2021 Projection | 12/2021 Revised Projection | 2/2022 Calculation | 4/2020 Projection | 2/2020 Calculation | 4/2021 Projection | 12/2021 Revised Projection | 2/2022 Calculation | 4/2020 Projection | 2/2020 Calculation | 4//2021 Projection | 11/2020 Revised Projection | 2/2021 Calculation | Projected Totals | Revised Projections | Calculated Totals |
| 2021-3 | -66 | -57 | | | | 82 | 114 | | | | -12 | -14 | | | | -4 | | 43 |
| 2021-4 | -57 | -49 | | | | 70 | 95 | | | | -17 | -21 | | | | -4 | | 25 |
| 2021-5 | | | -43 | -44 | -62 | | | 99 | 99.3 | 97 | | | .83 | 1 | 1 | 58 | 56 | 38 |
| 2021-6 | | | -35 | -39 | -58 | | | 81.36 | 79.49 | 78 | | | -11.37 | -8 | -3 | 35 | 32 | 20 |
| 2021-7 | | | -17 | -24 | -43 | | | 58.65 | 59.34 | 58 | | | -24.87 | -19 | -19 | 17 | 16 | -2 |
| 2021-8 | | | -6 | -15 | -32 | | | 58.12 | 57.10 | 56 | | | -15 | -6 | -3 | 37 | 36 | 22 |
| 2021-9 | | | -5 | -13 | -29 | | | 57.14 | 55.38 | 54 | | | -5.08 | -1 | .3 | 47 | 41 | 27 |
| 2021-10 | | | -9 | -16 | -32 | | | 70.3 | 63.90 | 62 | | | -17.12 | -10 | -9 | 44 | 38 | 23 |
| 2021-11 | | | -12 | -18 | -33 | | | 102.20 | 84.67 | 80 | | | -1.44 | -0.3 | 0 | 89 | 67 | 50 |
| 2021-12 | | | -11 | -17 | -32 | | | 110.05 | 93.58 | 89 | | | 2.98 | 3 | 3 | 102 | 80 | 62 |
| 2022-1 | | | -2 | -29 | -43 | | | 112.33 | 96.93 | 93 | | | -4.79 | -4 | -3 | 83 | 64 | 49 |
| 2022-2 | | | -23 | -27 | -39 | | | 106.95 | 92.94 | 89 | | | -10.97 | -10 | -9 | 73 | 56 | 42 |
| 2022-3 | | | -32 | -36 | -50 | | | 121.38 | 105.81 | 101 | | | -14.62 | -14 | -13 | 74 | 56 | 41 |
| 2022-4 | | | -29 | -33 | -47 | | | 100.81 | 88.59 | 85 | | | -22.21 | -20 | -19 | 50 | 36 | 21 |
| **Total** 2020 Projected | -123 | | | | | | 209 | | | | | -35 | | | | | | |
| **Total** 2020 Calculated | | -106 | | | | | | | | | | | | | | | | |
| **Total** 2021 Projected | | | -246 | | | | | 1,078 | | | | | -123 | | | **709** | | |
| **Total** 12-2021 Revised Projected | | | | -311 | | | | | 977 | | | | | -88 | | | **578** | |
| **Total** 2021 Calculated | | | | | -503 | | | | | 944 | | | | | -73 | | | **368** |

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

The April 13, 2021 calculations used for the 2021 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 2021 groundwater withdrawals for Subdistrict Wells and surface water diversions into the Closed Basin under the Recharge Decrees resulted in an actual net-groundwater withdrawal significantly less than the calculations used for the 2021 ARP. Application of the actual net-groundwater withdrawals shows that, as of the date of this report, Subdistrict #1 has supplied **210** ac-ft more than the actual calculated injurious depletions by the approved Response Functions. Subdistrict #1 expects that CDWR will work with Subdistrict #1 to address this over-replacement to assure that, while all injurious depletions within Colorado are remedied, Subdistrict Wells replace or otherwise remedy depletions only in the minimum amount necessary to avoid injury to senior surface water rights and that any over-replacements will not accrue to the benefit of downstream States under the Rio Grande Compact and Colorado will continue to beneficially consume all of the water it is entitled to under the Compact.

## 2.0 TOTAL DIVERSION BY DITCHES

Table 2.1 shows the ditch service areas that have diversions in Subdistrict #1. The diversions shown are total irrigation water for the ditch for the 2021 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 2021 Irrigation Year**

| WDID | DITCH NAME | Diversions in ac-ft | Subdistrict Year |
|---|---|---|---|
| 2000546 | BILLINGS D | 3,883.70 | 2021 |
| 2000556 | BUTLER IRR D | 1,466.60 | 2021 |
| 2000627 | EXCELSIOR D | 21,520.00 | 2021 |
| 2000631 | FARMERS UNION CNL | 18,758.00 | 2021 |
| 2000699 | KANE CALLAN D | 2,534.50 | 2021 |
| 2000736 | MCDONALD D | 6,063.00 | 2021 |
| 2000798 | PRAIRIE D | 10,520.00 | 2021 |
| 2000812 | RIO GRANDE CNL | 108,509.0 | 2021 |
| 2000814 | RIO GRANDE D 2 | 1,157.00 | 2021 |
| 2000829 | SAN LUIS VALLEY CNL | 12,341.00 | 2021 |
| 2700502 | BIEDELL D NO 10 | 3,001.70 | 2021 |
| 2700503 | BIEDELL D NO 2 | 69.90 | 2021 |
| 2700518 | GREEN D NO 1 | 328.00 | 2021 |
| 2700522 | HOME D NO 1 | 2,201.10 | 2021 |
| 2700523 | JOHNNIE SMITH D NO 1 | 16.40 | 2021 |
| 2700533 | MCLEOD D NO 3 | 50.30 | 2021 |
| 2700537 | MOODY AND HEAD D | 0.00 | 2021 |
| 2700538 | OMNIBUS D | 2,806.40 | 2021 |
| 2700543 | ROCKY HILL SEPG OVFL D | 0.00 | 2021 |
| 2700545 | SHOWN D | 990.60 | 2021 |
| 2700551 | WHITE D | 0.00 | 2021 |
| 2700553 | WILSON D NO 4 | 0.00 | 2021 |
| 2700684 | LA MAGOTE D NO 2 | 108.30 | 2021 |
| 2700714 | MCLEOD D NO 4 & 5 | 237.30 | 2021 |

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

# 3.0 TOTAL IRRIGATED ACRES

Each irrigation season, the RGWCD conducts a field survey of the irrigated acreage on the Valley floor to record crop types grown. Table 3.1 is the summary of "irrigated acres, cropping patterns and irrigation methods" on parcels that are part of 2021 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 2021 Subdistrict #1 Farm Units. Only those fields that had entries updated during the 2021 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 2021**

| Crop Type | Total Acres | Sprinkler | LEPA | Flood |
|---|---|---|---|---|
| **Alfalfa** | 27,441 | 27,224 | - | 216 |
| **Canola** | 2,584 | 2,584 | - | - |
| **Carrots** | 799 | 799 | - | - |
| **Corn** | 279 | 279 | - | - |
| **Grain** | 2,843 | 2,783 | 59 | - |
| **Lettuce** | 1,523 | 1,523 | - | - |
| **Oats** | 1,473 | 1,473 | - | - |
| **Potatoes** | 45,815 | 45,718 | 85 | 12 |
| **Sudan Grass Hay** | 2,313 | 2,313 | - | - |
| **Vegetables** | 980 | 980 | - | - |
| **Triticale Hay** | 694 | 694 | - | - |
| **Grass Hay/Pasture** | 6,700 | 5,462 | - | 1,238 |
| **Fallowed** | 10,754 | 10,205 | - | 549 |
| **Cover Crop** | 18,655 | 18,468 | 120 | 68 |
| **Barley** | 32,131 | 32,131 | - | - |
| **CREP** | 9,509 | 9,509 | - | - |
| **Quinoa** | 1,063 | 1,063 | - | - |
| **Hemp** | 315 | 315 | - | - |
| **Total** | **165,869** | **163,623** | **264** | **2,082** |

Information collected for 2021 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 2021 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, 2021. The diversion amounts for the Subdistrict #1 Wells is for the portion of the 2020 irrigation season through November 1, 2021. The groundwater withdrawals covered by augmentation plans during 2021 was not included in the total groundwater withdrawals used to calculate Recharge Credit in Section 4, below.

## 4.0 SURFACE WATER CREDIT

The amount of Surface Water Credit (SWC) exchanged both 2020 and 2021, between Farm Units and applied against the 2021 Variable Fees was 35,360 ac-ft.

At the time of submission of this AR, the estimated amount of 2020 carry-over SWC carried forward into 2021 that was not utilized and therefore extinguished by rule was 11,241.50 ac-ft. This number may change during the appeal process in 2022.

## 5.0 CLOSED BASIN PROJECT PRODUCTION-PROJECTED AND ACTUAL

According to accounting from the Bureau of Reclamation (BOR) Alamosa Field Division, Closed Basin Division, San Luis Valley Project, Colorado, the production of the CBP delivered to the Rio Grande was 8,239 ac-ft during the calendar year 2021. The 2021 ARP projected the production of the CBP to be 8,500.0 ac-ft.

## 6.0 AMOUNTS AND SOURCES OF REPLACEMENT WATER

The remaining amounts and sources of water available for the remainder of the 2021 ARP year and 2021 ARP is: ac-ft.

**Table 6.1**
**Remaining Balances of Replacement Water Acquired by Subdistrict #1 for 2021**

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

| | | | | |
|---|---|---|---|---|
| **Pine River Weminuche Pass** | **1,000.0** | SLV Water Conservancy District | CA 1248-B, 84CW62, 94CW62 | Rio Grande Reservoir |
| **Treasure Pass Trans-basin Diversion** | **730.76** | Evelyn Underwood and Patti Cook | CA 0308 | Rio Grande Reservoir |
| **Treasure Pass Trans-basin Diversion** | **100** | Sid Klecker | CA 0308 | Rio Grande Reservoir |
| **Piedra River TM, Piedra Water Rights** | **500** | Colorado Parks and Wildlife | W-3549 | Rio Grande Reservoir |
| **2012-1279.8 shares @ .944af/share** | **1,252.11** | Santa Maria Reservoir Co. | | Santa Maria & Continental Reservoirs |
| **2013 – 3235.8 shares @ .72af/share** | **2,328.8** | Santa Maria Reservoir Co. | | Santa Maria & Continental Reservoirs |
| **2014 – 3320.8 shares @ 1.288af/share** | **4,278.2** | Santa Maria Reservoir Co. | | Santa Maria & Continental Reservoirs |
| **2015 - 3095.8 shares @ 1.86 af/share** | **5,568.2** | Santa Maria Reservoir Co. | | Santa Maria & Continental Reservoirs |
| **DWR Credit for Overpayment in 2015** | **200** | Santa Maria Reservoir Co. | | Santa Maria & Continental Reservoirs |
| **2016-1645.0 shares @ 0.968 af/share** | **1,592.36** | Santa Maria Reservoir Co. | | Santa Maria & Continental Reservoirs |
| **2017-835 shares @ 1.084 af/share** | **905.14** | Santa Maria Reservoir Co. | | Santa Maria & Continental Reservoirs |
| **2018-210 shares @ .618 af/share** | **129.17** | Santa Maria Reservoir Co. | | Santa Maria & Continental Reservoirs |
| **Total Transbasin and Santa Maria** | **17,019** | | | |
| **2021 Forbearance Agreements** | | | | |
| | **Contract** | **Expected Yield** | | |
| **Rio Grande Canal** | **2,000** | 500 acft | | |
| **San Luis Valley Canal** | **400** | 30 | | |
| **Commonwealth** | **500** | 139 | | |
| **Empire Canal** | **500** | 100 | | |
| **Centennial Ditch** | **No ac-ft limit** | | | |
| **Excelsior Ditch** | **1,000** | 1.5 | | |
| **Rio Grande Lariat Ditch** | **500** | 18 | | |
| **Closed Basin Project Allocation as of March 1, 2021** | **273** | 273+788=1,061 | | Closed Basin Project |
| **Total Water Available** | **17,597 + 1,061 = 18,658** | | | |

## 6.1 2021 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, Empire Canal, Excelsior Ditch, Lariat Ditch, Prairie Ditch, and San Luis Valley Canal whereby these canals accept that, subject to the specific provisions of the forbearance agreement, injury to its water rights resulting from the withdrawal of groundwater by Subdistrict #1 Wells can be remedied by means other than providing water to replace stream depletions when one of these canals are the calling right on the Rio Grande.

Based upon climate projections and historical diversion patterns, the agreements with these canals are predicted to result in a reduction of 1,200 to 1,800 ac-ft of the amount of water Subdistrict #1 would otherwise have to supply to the Rio Grande-Del Norte to Excelsior Ditch headgate reach. During the 2021 Plan Year, the Board of Managers of Subdistrict #1 chose not to exercise any forbearance with any canal for projected well depletions from May 1st through November 1st due to abundant replacement water in storage located in the Rio Grande and Santa Maria Reservoir facilities. All projected well depletions on the Rio Grande from Subdistrict #1 wells during that time frame were remedied by replacement water releases to the Rio Grande from those facilities.

# 7.0 OPERATION OF THE SUBDISTRICT #1 WATER REPLACEMENT PLAN

Subdistrict #1 had no calculated stream reach depletions from May 2021 through October 2021. Winter time depletions starting in November through the remaining 2021 ARP year depletions will be replaced by Closed Basin Project releases to the river and water in storage.

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

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

## 7.1 DESCRIPTION OF MONTHLY OPERATIONS

### JANUARY

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



### FEBRUARY

Under the direction of the Division 3 Division Engineer and the District 20 Water Commissioner, Subdistrict No. 1 continued replacing projected stream reach depletions on the Rio Grande for the month of February on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2020 ARP. On February 1st, the Subdistrict's Replacement Water Plan resumed with Closed Basin Project (CBP) allocation releases to the Rio Grande replacing Stream Reach 1 and 2. There were no positive Stream Reach 1 or 3 depletions identified in the response function in February, but rather accretions back to the river within this reach. Bureau of Reclamation staff attempted to keep the release rate from the CBP canal into the Rio Grande to at least 1.62 ac-ft./day to meet the daily obligation for the Subdistrict and were successful in doing so for the entire month of February.

**MARCH**

Under the direction of the Division 3 Division Engineer and the District 20 Water Commissioner, Subdistrict No. 1 continued replacing projected stream reach depletions on the Rio Grande for the month of February on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2020 ARP. On February 1st, the Subdistrict's Replacement Water Plan resumed with Closed Basin Project (CBP) allocation releases to the Rio Grande replacing Stream Reach 1 and 2. There were no positive Stream Reach 1 or 3 depletions identified in the response function in March, but rather accretions back to the river within this reach. Bureau of Reclamation staff attempted to keep the release rate from the CBP canal into the Rio Grande to at least 1.39 ac-ft./day to meet the daily obligation for the Subdistrict and were successful in doing so for the entire month of March.

**APRIL**

Under the direction of the Division 3 Division Engineer and the District 20 Water Commissioner, Subdistrict No. 1 continued replacing projected stream reach depletions on the Rio Grande for the month of April on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2021 ARP. On April 1st, the ditches on the Rio Grande began diverting water for the 2021 Irrigation Season. In anticipation of this, Subdistrict No. 1 began a reservoir release on April 1st from the Santa Maria water pool stored in the Santa Maria Reservoir in the amount of .83 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.

**MAY**

Under the direction of the Division 3 Division Engineer and the District 20 Water Commissioner, Subdistrict No. 1 continued replacing projected stream reach depletions on the Rio Grande for the month of May on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2021 ARP. On May 1st, the ditches on the Rio Grande continued diverting water for the 2021 Irrigation Season. Subdistrict No. 1 began a reservoir release on May 1st from the Santa Maria water pool stored in the Santa Maria Reservoir in the amount of 1.87 ac-ft. / day to begin replacing projected depletion obligations in Stream Reach 2 and 3. There were no positive depletions in Stream Reach 1 identified in the response function in May, but rather accretions back to the river within these reaches.

**JUNE**

Under the direction of the Division 3 Division Engineer and the District 20 Water Commissioner, Subdistrict No. 1 continued replacing projected stream reach depletions on the Rio Grande for the month of June on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2021 ARP. On June 1st, the ditches on the Rio

Grande continued diverting water for the 2021 Irrigation Season. Subdistrict No. 1 began a reservoir release on June 1st from the Santa Maria water pool stored in the Santa Maria Reservoir in the amount of 1.165 ac-ft. / day to begin replacing projected depletion obligations in Stream Reach 2. There were no positive depletions in Stream Reach 1 or Stream Reach 3 identified in the response function in June, but rather accretions back to the river within these reaches.

**JULY**

Under the direction of the Division 3 Division Engineer and the District 20 Water Commissioner, Subdistrict No. 1 continued replacing projected stream reach depletions on the Rio Grande for the month of July on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2021 ARP. On July 1st, the ditches on the Rio Grande continued diverting water for the 2021 Irrigation Season. Subdistrict No. 1 began a reservoir release on July 1st from the Santa Maria water pool stored in the Santa Maria Reservoir in the amount of .566 ac-ft. / day to begin replacing projected depletion obligations in Stream Reach 2. There were no positive depletions in Stream Reach 1 or Stream Reach 3 identified in the response function in June, but rather accretions back to the river within these reaches.

**AUGUST**

Under the direction of the Division 3 Division Engineer and the District 20 Water Commissioner, Subdistrict No. 1 continued replacing projected stream reach depletions on the Rio Grande for the month of July on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2021 ARP. On August 1st, the ditches on the Rio Grande continued diverting water for the 2021 Irrigation Season. Subdistrict No. 1 began a reservoir release on August 1st from the Santa Maria water pool stored in the Santa Maria Reservoir in the amount of 1.2 ac-ft. / day to begin replacing projected depletion obligations in Stream Reach 2. There were no positive depletions in Stream Reach 1 or Stream Reach 3 identified in the response function in August, but rather accretions back to the river within these reaches.

**SEPTEMBER**

Under the direction of the Division 3 Division Engineer and the District 20 Water Commissioner, Subdistrict No. 1 continued replacing projected stream reach depletions on the Rio Grande for the month of August on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2021 ARP. On September 1st, the ditches on the Rio Grande continued diverting water for the 2021 Irrigation Season. Subdistrict No. 1 began a reservoir release on September 1st from the Santa Maria water pool stored in the Santa Maria Reservoir in the amount of 1.562 ac-ft. / day to begin replacing projected depletion obligations in Stream Reach 2. There were no positive depletions in Stream Reach 1 or Stream Reach 3 identified in the response function in September, but rather accretions back to the river within these reaches.

**OCTOBER**

Under the direction of the Division 3 Division Engineer and the District 20 Water Commissioner, Subdistrict No. 1 continued replacing projected stream reach depletions on the Rio Grande for the month of August on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2021 ARP. On September 1st, the ditches on the Rio Grande continued diverting water for the 2021 Irrigation Season. Subdistrict No. 1 began a reservoir release on September 1st from the Santa Maria water pool stored in the Santa Maria Reservoir in the amount of 1.435 ac-ft. / day to begin replacing projected depletion obligations in Stream Reach 2. There were no positive depletions in Stream Reach 1 or Stream Reach 3 identified in the response function in October, but rather accretions back to the river within these reaches.

**NOVEMBER**

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 2021 ARP. On November 1st the irrigation season ended and the reservoirs went into storage. Subdistrict No. 1 in conjunction with the winter flow program, began a reservoir release on November 1st from the Santa Maria water pool stored in the Rio Grande Reservoir in the amount of 1.7 ac-ft. / day to begin replacing projected depletion obligations in Stream Reach 2. There were no positive depletions in Stream Reach 1 or Stream Reach 3 identified in the response function in November, but rather accretions back to the river within these reaches.

**DECEMBER**

Under the direction of the Division 3 Division Engineer and the District 20 Water Commissioner, Subdistrict No. 1 continued replacing projected stream reach depletions on the Rio Grande for the month of December on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2021 ARP. On November 1st the irrigation season ended and the reservoirs went into storage. Subdistrict No. 1 in conjunction with the winter flow program, began a reservoir release on December 1st from the Santa Maria water pool stored in the Rio Grande Reservoir and Continental Reservoir in the amount of 3.3 ac-ft. / day to begin replacing projected depletion obligations in Stream Reach 2. There were no positive depletions in Stream Reach 1 identified in the response function in December, but rather accretions back to the river within these reaches.

**JANUARY**

Under the direction of the Division 3 Division Engineer and the District 20 Water Commissioner, Subdistrict No. 1 continued replacing projected stream reach depletions on the Rio Grande for the month of January on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2021 ARP. On December 1st, the Subdistrict's Replacement Water Plan resumed with Closed Basin Project (CBP) allocation releases to the Rio Grande replacing Subdistrict No.1 projected stream reach obligations. Bureau of Reclamation staff attempted to keep the release rate from the CBP canal into the Rio Grande to at least 2.5 ac-ft./day to meet the daily obligation for the Subdistrict and were successful in doing so for the entire month of December.

**Remaining 2021 ARP Year**

Because of the timing of this report, Subdistrict #1 will continue the same protocol to replace stream reach depletions for all three stream reaches of the Rio Grande on a monthly basis with CBP allocation for the months of February and March of 2021 or until the start of the next irrigation season. Subdistrict #1 will follow the direction of the Division 3 Division Engineer when the irrigation season begins for replacing stream reach depletions on the Rio Grande with trans-mountain reservoir releases and CBP allocation that Subdistrict #1 is in control of for the remaining period of the 2021 ARP year through April 30, 2022.

Table 7.1 illustrates the replacement water accounting for Subdistrict #1 during the 2021 ARP year on a monthly basis.

**Table 7.1**
**Subdistrict #1 Monthly Stream Replacement Obligation for the 2021 ARP Year with Replacement Source to Fulfill Obligation. (Units in ac ft)**

| **Stream Reach Obligation** | March 2021 | April 2021 | May 2021 | June 2021 | July 2021 | August 2021 | September 2021 | October 2021 | November 2021 | December 2021 | January 2022 | February 2022 | March 2022 | April 2022 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SR-1 | -57 | -49 | -62 | -58 | -43 | -33 | -30 | -32 | -34 | -32 | -43 | -40 | -50 | -47 |
| SR-2 | 114 | 95 | 97 | 78 | 57 | 56 | 54 | 62 | 81 | 89 | 93 | 89 | 101 | 85 |
| SR-3 | -14 | -21 | 1.5 | -3.5 | -19 | -3.5 | .4 | -8.5 | 0 | 3 | -3.4 | -9 | -13 | -19 |
| **Total** | **43** | **25** | **37** | **18** | **-4** | **20** | **24** | **21** | **47** | **60** | **47** | **41** | **38** | **19** |
| **Replacement** | | | | | | | | | | | | | | |
| SR-1 | | | | | | | | | | | | | | |
| RGR TM Water | | | | | | | | | | | | | | |
| Forbearance | | | | | | | | | | | | | | |
| Compact Subst. | | | | | | | | | | | | | | |
| SMRC Water | | | -62 | -58 | -43 | -33 | -30 | -32 | 47 | 60 | | | | |
| CBP Allocation | -57 | -49 | | | | | | | | | **47** | **41** | **38** | **19** |
| SR-2 | | | | | | | | | | | | | | |
| RGR TM Water | | | | | | | | | | | | | | |
| Forbearance | | | | | | | | | | | | | | |
| Compact Subst. | | | | | | | | | | | | | | |
| SMRC Water | | | 97 | 78 | 57 | 56 | 54 | 62 | 81 | 89 | | | | |
| CBP Allocation | 114 | 95 | | | | | | | | | 93 | 89 | 101 | 85 |
| SR-3 | | | | | | | | | | | | | | |
| RGR TM Water | | | | | | | | | | | | | | |
| SMRC Water | | | 1.5 | -3.5 | -19 | -3.5 | .4 | -8.5 | 0 | 3 | | | | |
| CBP Allocation | -14 | -21 | | | | | | | | | -3.4 | -9 | -13 | -19 |
| Creditable CBP Production at Rio Grande | 372 | 897 | 1025 | 734 | 488 | 175 | 207 | 56 | 867 | 1055 | | | | |

Explanation of Abbreviations:
*RGR TM Water: Rio Grande Reservoir Pool Trans-mountain Water
*Forbearance: No Forbearance with any of the 9 Ditches in agreement with Subdistrict #1 for the 2021 Plan Year
*SMRC Water: Subdistrict #1 Santa Maria Reservoir Company (SMRC) Reservoir Water
*Compact Subst.: Subdistrict #1 SMRC Reservoir Water Exchange with Rio Grande Compact Storage
*CBP Allocation: Closed Basin Project Allocation for Subdistrict #1
Notes:
March and April stream depletions have not yet been delivered but are calculated by the response function using final 2022 CDWR data.

## Summary

Pursuant to the 2021 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 2021 ARP

year. The projected depletions on the Rio Grande for all three stream reaches in the 2021 ARP for Subdistrict #1 approved by the SEO for the 2021 Plan Year was 709 ac- ft. The actual amount of depletions for all three stream reaches on the Rio Grande is 368 ac-ft.

Subdistrict #1 will have over paid 210 acft in replacement water for actual stream depletions on the Rio Grande during the 2021 Plan Year.

Beginning May 1, 2021, Subdistrict #1 has met stream depletion obligations for all 3 stream reaches of the Rio Grande with replacement water releases from Rio Grande Reservoir and the Closed Basin

Project on a daily basis. As documented with supporting data from the Colorado Division of Water Resources Division 3 Office, Subdistrict #1 staff did not identify any day during the term of the 2021 ARP year that the daily and monthly stream depletion obligation for any of the stream reaches was not met.

# 8.0 CENTENNIAL DITCH COMPANY AGREEMENT

After the last three years of operation, Subdistrict #1 did not feel it necessary to continue the Centennial Ditch Agreement to carry replacement water to calling water rights below the Excelsior Ditch diversion dam during the 2021 Plan Year. Even with below average river flows experienced on the Rio Grande the last 5 years, the river below the Excelsior Ditch diversion dam has been a live stream servicing calling water rights in Stream Reaches 2 and 3. Subdistrict #1 will monitor the lower stream reaches in the future and reinstate this agreement if necessary.

# 9.0 FALLOWING OF SUBDISTRICT #1 LANDS - TEMPORARY AND PERMANENT

## 9.1 Conservation Reserve Enhancement Program

Subdistrict #1 continued to sign up contractors into the Conservation Reserve Enhancement Program (CREP) in an attempt to fallow up to 40,000 acres of previously irrigated lands on a long-term or permanent basis during the 2021 Plan Year. Sign-up into CREP in Subdistrict #1 is ongoing now with the approval of the new Farm Bill in 2018. As of the time of this report, Subdistrict #1 has a total of 84 CREP contracts that include 10,046 acres and 184 irrigation wells that have approximately 16,743ac ft of recent groundwater withdrawals annually in Subdistrict #1. Of the total acres enrolled, 4,332 acres are enrolled into a permanent CREP contract term while 5,714 acres are enrolled into a temporary CREP contract term. The USDA FSA found all but one existing 2014 thru 2018 fiscal year CREP contracts in Subdistrict #1 to be in cropping and water use compliance at the end of the 2021 fiscal year, September 30, 2021, and all were paid their annual rental payments as well as any additional incentives provided by the Subdistrict. The one CREP contract that was not in compliance has been revoked both at the FSA level and with RGWCD Subdistrict #1. The Subdistrict's incentive and annual payments alone were approximately $1,800,000. A map of the locations of these CREP parcels is included in Appendix F.

Subdistrict #1 established a Four-Year Fallow program in 2018. A total of 4,829 acres were fallowed with the requirement that zero water will be applied to the field in 2021. Over the term of the contract the producer is able to rotate which field is set out of production, allowing a different parcel to be dormant each year if the producer chooses. This ultimately will help with overall soil health, flexibility for the producer and other benefits such as allowing grazing on field to control weeds. The amount of water saved from the fallowing of these fields is approximately 8,451 ac-ft of water.

## 9.2 Permanent Land Purchases

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

Based on total head-gate diversions for the Rio Grande Canal, SLV Canal and Farmers Union during the irrigation season the Subdistrict with their 2,019.5 shares of surface water diverted approximately 2,868 ac-ft towards recharge to the unconfined aquifer on the White, McConnell, Lacy and West Medano Ranch properties during the irrigation season. Subdistrict #1 did not use the wells located on these parcels for any purpose in 2021. 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 2021 the Subdistrict offered to purchase irrigation wells through the Well Purchase Program. Nineteen irrigation wells were purchased and approximately 1,465 acft of consumptive use will be retired until the aquifer has reached and maintained sustainability.

## 10.0 PLANS FOR AUGMENTATION

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

## 10.1 Description of Court Approved Plans for Augmentation

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

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

The decree in Case No. 81CW69 specifically found that the Applicants sought to change their method of irrigation whereby the water diverted by the San Luis Valley Irrigation District and attributable to the Applicants' land that was historically directly applied by flood irrigation, may be first used to recharge the unconfined aquifer and then withdrawn by a well for the irrigation by center pivot sprinkler of crops in the NE¼ and the SE¼ of Section 19, T41N, R10E,
N.M.P.M. The decree authorized the Applicants to construct two wells, Beard Irrigation Wells No. 2 and 3, into the unconfined aquifer to withdraw the water recharged for the irrigation of the described lands.

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

The decree in Case No. 02CW65 changed the point of diversion of Well Permit # 9343-F, decreed as Well No. 2 in Case No. W-1505, WDID 2705546, to Beard Irrigation Well No. 3, Permit # 44595-F WDID 2905547 decreed in Case No. 81CW69. The total quantity of water changed is a long-term

average of 32 ac-ft per year of historical consumptive use. The water right decreed to Well No. 2 in Case No. W-1505 is a decreed right to the use of groundwater, the injurious depletions from which are replaced pursuant to the Amended Plan and ARP. Because neither Case No. 81CW69 nor Case No. 02CW65 is a plan for augmentation, Beard Irrigation Wells No. 2 and 3 are Subdistrict Wells and the lands irrigated by these wells are Subdistrict Lands within the ambit of the Amended Plan.

**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. 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 2020-2024.

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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 is to be fully augmented by the recharge of the surface water shares identified in the decreed plan of augmentation and should not create net depletions from their operations.

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

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

Farm Unit.

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

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

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For the 2021 ARP Year, the Division Engineer approved the operation of these wells under the Subdistrict #1 ARP, with certain terms and conditions. During the 2021 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 divertedto recharge, and limits the consumptive use that can be made of water diverted by the auxiliary wells to the consumptive use credit calculated under the decree.

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

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

Case No. 01CW06, the application of Kimothy and De Ann Cooley, involves 200 shares of the San Luis Valley Canal that historically have been used for the irrigation of the 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.

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**Case No. W-3847, Application of Gary Seger**

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

The two alternate points of diversion wells are WDID 2005398, Permit # 25360-F, Well number 1A, W-3847 which irrigates the SW¼ S13, T40N, R06E, N.M.P.M. and WDID

2005399, Permit # 25361-F, Well number 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 Number 1 and WDID 2005932, Permit # 16940-F, Well Number 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.

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**Great Sand Dunes National Park Services**

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

## 11.0 HYDRAULIC DIVIDE

The hydraulic divide (Divide) is a shallow groundwater divide, that when present, separates the Closed Basin in the San Luis Valley from the remainder of the Rio Grande Basin. The divide has been historically mapped generally paralleling and lying northerly of the Rio Grande ±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 groundwater withdrawals within Subdistrict #1.

Appendix C contains maps showing the results of groundwater measurements collected during spring 2021. These maps include interpreted groundwater elevation contours and vectors showing direction of groundwater flow. If a well-defined Hydraulic Divide lying northerly of the Rio Grande exists, groundwater flow vectors would indicate a groundwater flow from the Divide along the southerly side toward the Rio Grande River and on the northerly side toward the Closed Basin. The groundwater flow vectors do not provide evidence of a well-defined Divide with the possible exception of an area between Monte Vista and Alamosa where there is some evidence for a few miles. The interpreted location of the Divide is shown on the maps prepared from the 2021 groundwater measurements. The approximate Divide location in the area between Del Norte and the 7-Mile Plaza is uncertain due to the perched river condition, so it is shown as a dotted line on the maps included in Appendix C.

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

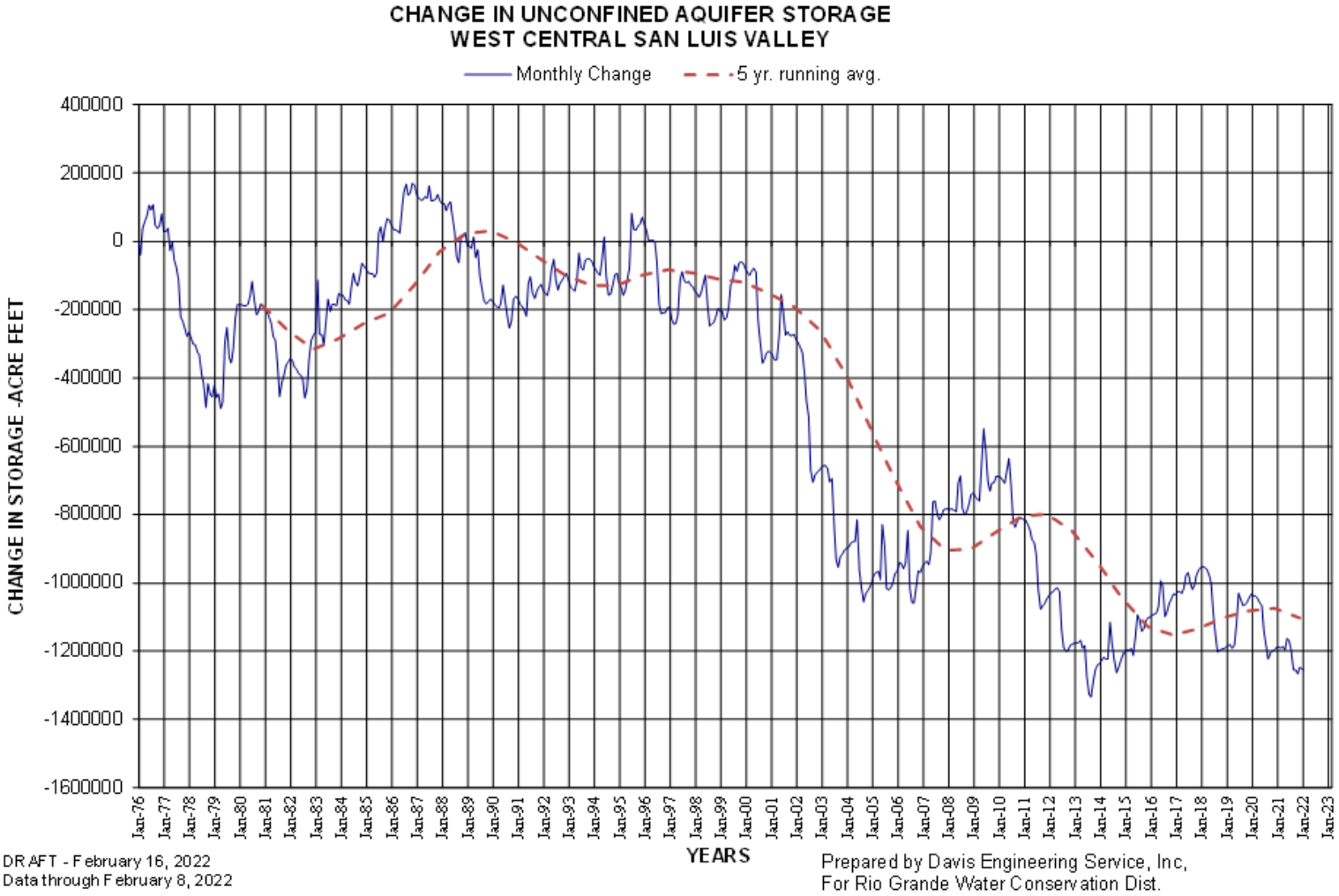
## 12.1 Groundwater Levels in the Unconfined and Confined Aquifer

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

## 12.2 Unconfined Aquifer Change in Storage Volumes

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

**Figure 12.1**
**Chart Showing Change in Unconfined Aquifer Storage**



# Table of Appendices

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

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



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

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

**Table 2**

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

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

**Table 1**: Subdistrict No. 1 depletions per Table 2.6 in the accepted 2020 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Stream Replacement Obligation for 2020 ARP Year submitted to the Colorado State Engineer's Office on May 1, 2020. February 2021 Depletion Obligation Total: 47 ac-ft. 2020 Replacement Operation Total: 47 ac-ft (all units' are in acre feet).

| *Date* | *Depletion Obligation* | | | | **Table 1** | | | | | | *SD #1 Replacement Water Sources* | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **February** | **SR-1 Ac-ft.** | **SR-2 Ac-ft.** | **SR-3 Ac-ft.** | **Total Required 2020 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 UNAVAILABLE** | **William Cr. Squaw TM SR 1 & 2 Ac-ft** | **CBP Allocation SR 1, 2 & 3 Ac-ft.** | **Accretion Exchange from SMRC SR1 & SR2 Ac-Ft.** | **Accretion Exchange From SMRC SR 3 Ac-ft.** | **Total** |
| 1 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 2 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 3 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 4 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 5 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 6 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 7 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 8 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 9 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 10 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 11 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 12 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 13 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 14 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 15 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 16 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 17 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 18 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 19 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 20 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 21 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 22 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 23 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 24 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 25 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 26 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 27 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 28 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| 29 | -1.55 | 3.48 | -.31 | 1.62 | 0 | 0 | 0 | 0 | | | 1.62 | 0 | | 1.62 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| **Totals** | **-45** | **101** | **-9** | **47** | | | | | | | **47** | | | **47** |

**Table 2**: District 20 Rio Grande River Call for February 2021 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

**Table 2**

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

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

**Table 1**: Subdistrict No. 1 depletions per Table 2.6 in the accepted 2020 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Stream Replacement Obligation for 2020 ARP Year submitted to the Colorado State Engineer's Office on May 1, 2020. March 2021 Depletion Obligation Total: 43 ac-ft. 2020 Replacement Operation Total: 43 ac-ft (all units' are in acre feet).

| *Date* | *Depletion Obligation* | | | | **Table 1** | | | | | | *SD #1 Replacement Water Sources* | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **March** | **SR-1 Ac-ft.** | **SR-2 Ac-ft.** | **SR-3 Ac-ft.** | **Total Required 2020 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 UNAVAILABLE** | **William Cr. Squaw TM SR 1 & 2 Ac-ft** | **CBP Allocation SR 1, 2 & 3 Ac-ft.** | **Accretion Exchange from SMRC SR1 & SR2 Ac-Ft.** | **Accretion Exchange From SMRC SR 3 Ac-ft.** | **Total** |
| 1 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 2 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 3 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 4 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 5 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 6 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 7 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 8 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 9 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 10 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 11 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 12 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 13 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 14 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 15 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 16 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 17 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 18 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 19 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 20 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 21 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 22 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 23 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 24 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 25 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 26 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 27 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 28 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 29 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 30 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| 31 | -1.84 | 3.68 | -.45 | | 0 | 0 | 0 | 0 | | | 1.39 | 0 | | 1.39 |
| **Totals** | **-57** | **114** | **-14** | **43** | | | | | | | **43** | | | **43** |

**Table 2**: District 20 Rio Grande River Call for March 2021 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

**Table 2**

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

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

**Table 1**: Subdistrict No. 1 depletions per Table 2.6 in the accepted 2021 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Stream Replacement Obligation for 2021 ARP Year submitted to the Colorado State Engineer's Office on April 15, 2021. April 2021 Depletion Obligation Total: 25 ac-ft. 2021 Replacement Operation Total: 25 ac-ft (all units' are in acre feet).

**Table 1**

| *Date* | *Depletion Obligation* | | | | *SD #1 Replacement Water Sources* | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **April** | **SR-1 Ac-ft.** | **SR-2 Ac-ft.** | **SR-3 Ac-ft.** | **Total Required 2021 ARP** | **Forbear SLVID SR 1&2 Ac-ft.** | **Forbear SLVC SR 1&2 Ac-ft.** | **Forbear MVC SR 1&2 Ac-ft.** | **SLVID Tabor D 2 TM SR 1&2 Ac-ft.** | **Exchange from SR 3 to SR 2 UNAVAILABLE** | **Santa Maria depletion Pool SR 1 & 2 Ac-ft** | **CBP Allocation SR 1, 2 & 3 Ac-ft.** | **Accretion Exchange from SMRC SR1 & SR2 Ac-Ft.** | **Accretion Exchange From SMRC SR 3 Ac-ft.** | **Total** |
| 1 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 2 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 3 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 4 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 5 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 6 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 7 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 8 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 9 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 10 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 11 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 12 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 13 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 14 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 15 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 16 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 17 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 18 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 19 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 20 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 21 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 22 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 23 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 24 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 25 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 26 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 27 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 28 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 29 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| 30 | -1.63 | 3.167 | -0.7 | | 0 | 0 | 0 | 0 | | .833 | | 0 | | .833 |
| | | | | | | | | | | | | | | |
| **Totals** | **-49** | **95** | **-21** | **25** | | | | | | **25** | | | | **25** |

**Table 2**: District 20 Rio Grande River Call for April 2021 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

**Table 2**

| April | Last Priority Served From Direct Flow | District 20 Ditch / Reservoir Being Served | Max CFS in Priority During Forbearance |
|---|---|---|---|
| **1** | 190 | No Sheet available | **No Forbearance in April 2021** |
| **2** | 211 | LEASE,DAVIS AND BINGLE D (RIO GRANDE) | **0** |
| **3** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **4** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **5** | 217 | RIO GRANDE LARIAT D (RIO GRANDE) | **0** |
| **6** | 224 | MONTE VISTA CNL (RIO GRANDE) | **0** |
| **7** | 220 | RIO GRANDE SAN LUIS D (RIO GRANDE) | **0** |
| **8** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **9** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **10** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **11** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **12** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **13** | 217 | RIO GRANDE LARIAT D (RIO GRANDE) | **0** |
| **14** | 217 | RIO GRANDE LARIAT D (RIO GRANDE) | **0** |
| **15** | 217 | RIO GRANDE LARIAT D (RIO GRANDE) | **0** |
| **16** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **17** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **18** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **19** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **20** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **21** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **22** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **23** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **24** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **25** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **26** | 220 | RIO GRANDE SAN LUIS D (RIO GRANDE) | **0** |
| **27** | 224 | MONTE VISTA CNL (RIO GRANDE) | **0** |
| **28** | 224 | MONTE VISTA CNL (RIO GRANDE) | **0** |
| **29** | 224 | MONTE VISTA CNL (RIO GRANDE) | **0** |
| **30** | 224 | MONTE VISTA CNL (RIO GRANDE) | **0** |
| | | | |

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

**Table 1**: Subdistrict No. 1 depletions per Table 2.6 in the accepted 2021 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Stream Replacement Obligation for 2021 ARP Year submitted to the Colorado State Engineer's Office on April 15, 2021. May 2021 Depletion Obligation Total: 58 ac-ft. 2021 Replacement Operation Total: 58 ac-ft (all units' are in acre feet).

**Table 1**

| *Date* | *Depletion Obligation* | | | | *SD #1 Replacement Water Sources* | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **May** | **SR-1 Ac-ft.** | **SR-2 Ac-ft.** | **SR-3 Ac-ft.** | **Total Required 2021 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 & 3 Ac-ft** | **CBP Allocation SR 1, 2 & 3 Ac-ft.** | **Accretion Exchange from SMRC SR1 & SR2 Ac-Ft.** | **Accretion Exchange From SMRC SR 3 Ac-ft.** | **Total** |
| 1 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 2 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 3 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 4 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 5 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 6 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 7 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 8 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 9 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 10 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 11 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 12 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 13 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 14 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 15 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 16 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 17 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 18 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 19 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 20 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 21 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 22 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 23 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 24 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 25 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 26 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 27 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 28 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 29 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 30 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| 31 | -1.4 | 3.23 | .02 | | 0 | 0 | 0 | 0 | | 1.87 | | 0 | | 1.87 |
| **Totals** | **-43.36** | **99.99** | **.83** | **58** | | | | | | **58** | | | | **58** |

**Table 2**: District 20 Rio Grande River Call for May 2021 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

**Table 2**

| May | Last Priority Served From Direct Flow | District 20 Ditch / Reservoir Being Served | Max CFS in Priority During Forbearance |
|---|---|---|---|
| **1** | 236-A | EMPIRE CNL (RIO GRANDE) | **No Forbearance in May 2021** |
| **2** | 276-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **3** | 297 | PRARIE D (RIO GRANDE) | **0** |
| **4** | 293 | COSTILLA D (RIO GRANDE) | **0** |
| **5** | 262 | EXCELSIOR D (RIO GRANDE) | **0** |
| **6** | 270 | SAN LUIS VALLEY CNL (RIO GRANDE) | **0** |
| **7** | 314 | FARMERS UNION CN (RIO GRANDE) | **0** |
| **8** | 361-B | EMPIRE CNL (RIO GRANDE) | **0** |
| **9** | 361-A | EMPIRE CNL (RIO GRANDE) | **0** |
| **10** | 314 | FARMERS UNION CN (RIO GRANDE) | **0** |
| **11** | 297 | PRAIRIE D (RIO GRANDE) | **0** |
| **12** | 293 | COSTILLA D (RIO GRANDE) | **0** |
| **13** | 288-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **14** | 293 | COSTILLA D (RIO GRANDE) | **0** |
| **15** | 314 | FARMERS UNION CNL (RIO GRANDE) | **0** |
| **16** | 361-A | EMPIRE CNL (RIO GRANDE) | **0** |
| **17** | 363-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **18** | 363-B | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **19** | 361-A | EMPIRE CNL (RIO GRANDE) | **0** |
| **20** | 338 1/2A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **21** | 361-A | EMPIRE CNL (RIO GRANDE) | **0** |
| **22** | 1903-22B | SAN LUIS VALLEY CNL (RIO GRANDE) | **0** |
| **23** | 1903-22E | SAN LUIS VALLEY CNL (RIO GRANDE) | **0** |
| **24** | 1903-22B | SAN LUIS VALLEY CNL (RIO GRANDE) | **0** |
| **25** | 363 | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **26** | 1903-22A | RIO GRANDE LARIAT D (RIO GRANDE) | **0** |
| **27** | 1903-22B | SAN LUIS VALLEY CNL (RIO GRANDE) | **0** |
| **28** | 365 | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **29** | 1903-22A | RIO GRANDE LARIAT D (RIO GRANDE) | **0** |
| **30** | 1903-22A | RIO GRANDE LARIAT D (RIO GRANDE) | **0** |
| **31** | 1903-22E | FARMERS UNION CNL (RIO GRANDE) | |

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

**Table 1**: Subdistrict No. 1 depletions per Table 2.6 in the accepted 2021 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Stream Replacement Obligation for 2021 ARP Year submitted to the Colorado State Engineer's Office on April 15, 2021. June 2021 Depletion Obligation Total: 35 ac-ft. 2021 Replacement Operation Total: 35 ac-ft (all units' are in acre feet).

**Table 1**

| *Date* | *Depletion Obligation* | | | | *SD #1 Replacement Water Sources* | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **June** | **SR-1 Ac-ft.** | **SR-2 Ac-ft.** | **SR-3 Ac-ft.** | **Total Required 2021 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 1, 2 & 3 Ac-ft.** | **Accretion Exchange from SMRC SR1 & SR2 Ac-Ft.** | **Accretion Exchange From SMRC SR 3 Ac-ft.** | **Total** |
| 1 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 2 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 3 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 4 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 5 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 6 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 7 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 8 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 9 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 10 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 11 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 12 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 13 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 14 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 15 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 16 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 17 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 18 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 19 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 20 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 21 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 22 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 23 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 24 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 25 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 26 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 27 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 28 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 29 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| 30 | -1.16 | 2.71 | - 0.37 | | 0 | 0 | 0 | 0 | | 1.165 | | 0 | | 1.165 |
| | | | | | | | | | | | | 0 | | |
| **Totals** | **-35.03** | **81.36** | **-11.37** | **35** | | | | | | **35** | | | | **35** |

**Table 2**: District 20 Rio Grande River Call for June 2021 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

**Table 2**

| June | Last Priority Served From Direct Flow | District 20 Ditch / Reservoir Being Served | Max CFS in Priority During Forbearance |
|---|---|---|---|
| **1** | 1903-22B | SAN LUIS VALLEY CNL (RIO GRANDE) | **No Forbearance in June 2021** |
| **2** | 365 | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **3** | 365 | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **4** | 365 | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **5** | 1903-22B | SAN LUIS VALLEY CNL (RIO GRANDE) | **0** |
| **6** | 903-24F | FARMERS UNION CNL (RIO GRANDE) | **0** |
| **7** | 903-24F | FARMERS UNION CNL (RIO GRANDE) | **0** |
| **8** | 903-24F | FARMERS UNION CNL (RIO GRANDE) | **0** |
| **9** | 365 | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **10** | 365 | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **11** | 361-A | EMPIRE CNL (RIO GRANDE) | **0** |
| **12** | 314 | FARMERS UNION CNL (RIO GRANDE) | **0** |
| **13** | 297 | PRAIRIE D (RIO GRANDE) | **0** |
| **14** | 293 | COSTILLA D (RIO GRANDE) | **0** |
| **15** | 288-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **16** | 262 | EXCELSIOR D (RIO GRANDE) | **0** |
| **17** | 270 | SAN LUIS VALLEY CNL (RIO GRANDE) | **0** |
| **18** | 288-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **19** | 270 | SAN LUIS VALLEY CNL (RIO GRANDE) | **0** |
| **20** | 241 | RIO GRANDE PIEDRA VLY D (RIO GRANDE) | **0** |
| **21** | 236-A | EMPIRE CNL (RIO GRANDE) | **0** |
| **22** | 236-A | EMPIRE CNL (RIO GRANDE) | **0** |
| **23** | 224-A | MONTE VISTA CNL (RIO GRANDE) | **0** |
| **24** | 224-A | MONTE VISTA CNL (RIO GRANDE) | **0** |
| **25** | 224-A | MONTE VISTA CNL (RIO GRANDE) | **0** |
| **26** | 236-A | EMPIRE CNL (RIO GRANDE) | **0** |
| **27** | 224-A | MONTE VISTA CNL (RIO GRANDE) | **0** |
| **28** | 236-A | EMPIRE CNL (RIO GRANDE) | **0** |
| **29** | 236-A | EMPIRE CNL (RIO GRANDE) | **0** |
| **30** | 236-A | EMPIRE CNL (RIO GRANDE) | **0** |
| | | | |

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

**Table 1**: Subdistrict No. 1 depletions per Table 2.6 in the accepted 2021 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Stream Replacement Obligation for 2021 ARP Year submitted to the Colorado State Engineer's Office on April 15, 2021. July 2021 Depletion Obligation Total: 17 ac-ft. 2021 Replacement Operation Total: 17 ac-ft (all units' are in acre feet).

**Table 1**

| *Date* | *Depletion Obligation* | | | | *SD #1 Replacement Water Sources* | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **July** | **SR-1 Ac-ft.** | **SR-2 Ac-ft.** | **SR-3 Ac-ft.** | **Total Required 2021 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 1, 2 & 3 Ac-ft.** | **Accretion Exchange from SMRC SR1 & SR2 Ac-Ft.** | **Accretion Exchange From SMRC SR 3 Ac-ft.** | **Total** |
| 1 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 2 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 3 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 4 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 5 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 6 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 7 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 8 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 9 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 10 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 11 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 12 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 13 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 14 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 15 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 16 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 17 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 18 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 19 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 20 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 21 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 22 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 23 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 24 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 25 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 26 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 27 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 28 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 29 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 30 | -0.56 | 1.955 | -0.829 | | 0 | 0 | 0 | 0 | | .702 | | 0 | | .702 |
| 31 | -0.56 | 1.955 | -0.829 | | | | | | | .702 | | 0 | | .702 |
| **Totals** | **-16.80** | **58.65** | **-24.87** | **17** | | | | | | **17** | | | | **17** |

**Table 2**: District 20 Rio Grande River Call for July 2021 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

**Table 2**

| July | Last Priority Served From Direct Flow | District 20 Ditch / Reservoir Being Served | Max CFS in Priority During Forbearance |
|---|---|---|---|
| **1** | 236 A | EMPIRE CNL (RIO GRANDE) | **No Forbearance in July 2021** |
| **2** | 224 | MONTE VISTA CNL (RIO GRANDE) | **0** |
| **3** | 224 | MONTE VISTA CNL (RIO GRANDE) | **0** |
| **4** | 224 | MONTE VISTA CNL (RIO GRANDE) | **0** |
| **5** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **6** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **7** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **8** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **9** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **10** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **11** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **12** | 209 | FISH D (RIO GRANDE) | **0** |
| **13** | 204 | RIO GRANDE SAN LUIS D (RIO GRANDE) | **0** |
| **14** | 204 | RIO GRANDE SAN LUIS D (RIO GRANDE) | **0** |
| **15** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **16** | 204 | RIO GRANDE SAN LUIS D (RIO GRANDE) | **0** |
| **17** | 204 | RIO GRANDE SAN LUIS D (RIO GRANDE) | **0** |
| **18** | 204 | RIO GRANDE SAN LUIS D (RIO GRANDE) | **0** |
| **19** | 204 | RIO GRANDE SAN LUIS D (RIO GRANDE) | **0** |
| **20** | 204 | RIO GRANDE SAN LUIS D (RIO GRANDE) | **0** |
| **21** | 198 | ENTERPRISE D (RIO GRANDE) | **0** |
| **22** | 200 | RIO GRANDE D 2 (RIO GRANDE) | **0** |
| **23** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **24** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **25** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **26** | 224 | MONTE VISTA CNL (RIO GRANDE) | **0** |
| **27** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **28** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **29** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **30** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **31** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |

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

**Table 1**: Subdistrict No. 1 depletions per Table 2.6 in the accepted 2021 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Stream Replacement Obligation for 2021 ARP Year submitted to the Colorado State Engineer's Office on April 15, 2021. August 2021 Depletion Obligation Total: 17 ac-ft. 2021 Replacement Operation Total: 17 ac-ft (all units' are in acre feet).

**Table 1**

| *Date* | *Depletion Obligation* | | | | *SD #1 Replacement Water Sources* | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **August** | **SR-1 Ac-ft.** | **SR-2 Ac-ft.** | **SR-3 Ac-ft.** | **Total Required 2021 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 1, 2 & 3 Ac-ft.** | **Accretion Exchange from SMRC SR1 & SR3 Ac-Ft.** | **Accretion Exchange From SMRC SR 2Ac-ft.** | **Total** |
| 1 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 2 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 3 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 4 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 5 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 6 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 7 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 8 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 9 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 10 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 11 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 12 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 13 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 14 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 15 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 16 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 17 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 18 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 19 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 20 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 21 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 22 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 23 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 24 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 25 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 26 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 27 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 28 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 29 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 30 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| 31 | -0.191 | 1.875 | -0.484 | | 0 | 0 | 0 | 0 | | | | -.675 | 1.875 | -1.2 |
| **Totals** | **-5.92** | **58.12** | **-15** | **37.2** | | | | | | | | **-20.92** | **58.12** | **37.2** |

**Table 2**: District 20 Rio Grande River Call for August 2021 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

**Table 2**

| August | Last Priority Served From Direct Flow | District 20 Ditch / Reservoir Being Served | Max CFS in Priority During Forbearance |
|---|---|---|---|
| **1** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **No Forbearance in August 2021** |
| **2** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **3** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **4** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **5** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **6** | 216-A | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **7** | 198 | ENTERPRISE D (RIO GRANDE) | **0** |
| **8** | 197 | BIEDEL D (RIO GRANDE) | **0** |
| **9** | 190 | MINOR D (RIO GRANDE) | **0** |
| **10** | 178 | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **11** | 174 | CHICAGO D (RIO GRANDE) | **0** |
| **12** | 174 | CHICAGO D (RIO GRANDE) | **0** |
| **13** | 173 | CENTENNIAL D (RIO GRANDE) | **0** |
| **14** | 173 | CENTENNIAL D (RIO GRANDE) | **0** |
| **15** | 165 | WESTSIDE D (RIO GRANDE) | **0** |
| **16** | 173 | CENTENNIAL D (RIO GRANDE) | **0** |
| **17** | 173 | CENTENNIAL D (RIO GRANDE) | **0** |
| **18** | 173 | CENTENNIAL D (RIO GRANDE) | **0** |
| **19** | 166 | INDEPENDENT D (RIO GRANDE) | **0** |
| **20** | 166 | INDEPENDENT D (RIO GRANDE) | **0** |
| **21** | 166 | INDEPENDENT D (RIO GRANDE) | **0** |
| **22** | 166 | INDEPENDENT D (RIO GRANDE) | **0** |
| **23** | 163 | EXCELSIOR D (RIO GRANDE) | **0** |
| **24** | 163 | EXCELSIOR D (RIO GRANDE) | **0** |
| **25** | 163 | EXCELSIOR D (RIO GRANDE) | **0** |
| **26** | 146 | RIO GRANDE PIEDRA VLY (RIO GRANDE) | **0** |
| **27** | 146 | RIO GRANDE PIEDRA VLY (RIO GRANDE) | **0** |
| **28** | 146 | RIO GRANDE PIEDRA VLY (RIO GRANDE) | **0** |
| **29** | 146 | RIO GRANDE PIEDRA VLY (RIO GRANDE) | **0** |
| **30** | 146 | RIO GRANDE PIEDRA VLY (RIO GRANDE) | **0** |
| **31** | 143-A | ANDERSON D (RIO GRANDE) | **0** |

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

**Table 1**: Subdistrict No. 1 depletions per Table 2.6 in the accepted 2021 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Stream Replacement Obligation for 2021 ARP Year submitted to the Colorado State Engineer's Office on April 15, 2021. September 2021 Depletion Obligation Total: 17 ac-ft. 2021 Replacement Operation Total: 17 ac-ft (all units' are in acre feet).

**Table 1**

| *Date* | *Depletion Obligation* | | | | *SD #1 Replacement Water Sources* | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **September** | **SR-1 Ac-ft.** | **SR-2 Ac-ft.** | **SR-3 Ac-ft.** | **Total Required 2021 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 1, 2 & 3 Ac-ft.** | **Accretion Exchange from SMRC SR1 & SR3 Ac-Ft.** | **Accretion Exchange From SMRC SR 2Ac-ft.** | **Total** |
| 1 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 2 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 3 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 4 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 5 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 6 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 7 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 8 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 9 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 10 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 11 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 12 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 13 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 14 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 15 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 16 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 17 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 18 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 19 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 20 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 21 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 22 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 23 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 24 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 25 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 26 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 27 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 28 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 29 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| 30 | -.174 | 1.905 | -.169 | | 0 | 0 | 0 | 0 | | | | -.343 | 1.905 | 1.562 |
| | | | | | | | | | | | | | | |
| **Totals** | **-5.21** | **57.14** | **-5.08** | **47** | | | | | | | | **-10.29** | **57.15** | **47** |

**Table 2**: District 20 Rio Grande River Call for September 2021 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

**Table 2**

| September | Last Priority Served From Direct Flow | District 20 Ditch / Reservoir Being Served | Max CFS in Priority During Forbearance |
|---|---|---|---|
| **1** | 141 | HORNER YDREN D (RIO GRANDE) | **No Forbearance in September 2021** |
| **2** | 146 | RIO GRANDE PIEDRA VLY (RIO GRANDE) | **0** |
| **3** | 163 | EXCELSIOR D (RIO GRANDE) | **0** |
| **4** | 163 | EXCELSIOR D (RIO GRANDE) | **0** |
| **5** | 146 | RIO GRANDE PIEDRA VLY (RIO GRANDE) | **0** |
| **6** | 146 | RIO GRANDE PIEDRA VLY (RIO GRANDE) | **0** |
| **7** | 146 | RIO GRANDE PIEDRA VLY (RIO GRANDE) | **0** |
| **8** | 146 | RIO GRANDE PIEDRA VLY (RIO GRANDE) | **0** |
| **9** | 141 | HORNER YDREN D (RIO GRANDE) | **0** |
| **10** | 105 | MINOR D (RIO GRANDE) | **0** |
| **11** | 105 | MINOR D (RIO GRANDE) | **0** |
| **12** | 105 | MINOR D (RIO GRANDE) | **0** |
| **13** | 105 | MINOR D (RIO GRANDE) | **0** |
| **14** | 105 | MINOR D (RIO GRANDE) | **0** |
| **15** | 105 | MINOR D (RIO GRANDE) | **0** |
| **16** | 105 | MINOR D (RIO GRANDE) | **0** |
| **17** | 105 | MINOR D (RIO GRANDE) | **0** |
| **18** | 105 | INDEPENDENT D2 (RIO GRANDE) | **0** |
| **19** | 105 | MINOR D (RIO GRANDE) | **0** |
| **20** | 105 | MINOR D (RIO GRANDE) | **0** |
| **21** | 105 | MINOR D (RIO GRANDE) | **0** |
| **22** | 105 | MINOR D (RIO GRANDE) | **0** |
| **23** | 105 | MINOR D (RIO GRANDE) | **0** |
| **24** | 97 | KANE CALLAN D (RIO GRANDE) | **0** |
| **25** | 97 | KANE CALLAN D (RIO GRANDE) | **0** |
| **26** | 97 | KANE CALLAN D (RIO GRANDE) | **0** |
| **27** | 97 | KANE CALLAN D (RIO GRANDE) | **0** |
| **28** | 105 | MINOR D (RIO GRANDE) | **0** |
| **29** | 106 | SOUTH FORK HIGHLINE D (S FK RIO GRANDE) | **0** |
| **30** | 126 | ANACONDA D (RIO GRANDE) | **0** |
| | | | |

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

**Table 1**: Subdistrict No. 1 depletions per Table 2.6 in the accepted 2021 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Stream Replacement Obligation for 2021 ARP Year submitted to the Colorado State Engineer's Office on April 15, 2021. October 2021 Depletion Obligation Total: 44 ac-ft. 2021 Replacement Operation Total: 44 ac-ft (all units' are in acre feet).

**Table 1**

| *Date* | *Depletion Obligation* | | | | *SD #1 Replacement Water Sources* | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **October** | **SR-1 Ac-ft.** | **SR-2 Ac-ft.** | **SR-3 Ac-ft.** | **Total Required 2021 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 1, 2 & 3 Ac-ft.** | **Accretion Exchange from SMRC SR1 & SR3 Ac-Ft.** | **Accretion Exchange From SMRC SR 2Ac-ft.** | **Total** |
| 1 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 2 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 3 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 4 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 5 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 6 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 7 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 8 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 9 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 10 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 11 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 12 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 13 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 14 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 15 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 16 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 17 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 18 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 19 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 20 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 21 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 22 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 23 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 24 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 25 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 26 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 27 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 28 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 29 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 30 | -.282 | 2.269 | -0.552 | | 0 | 0 | 0 | 0 | | | | -.834 | 2.269 | 1.144 |
| 31 | -.282 | 2.269 | -0.552 | | | | | | | | | -.834 | 2.269 | 1.144 |
| **Totals** | **-8.73** | **70.33** | **-17.12** | **44** | | | | | | | | **-25.85** | **70.34** | **44.5** |

**Table 2**: District 20 Rio Grande River Call for October 2021 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

**Table 2**

| October | Last Priority Served From Direct Flow | District 20 Ditch / Reservoir Being Served | Max CFS in Priority During Forbearance |
|---|---|---|---|
| **1** | 146 | RIO GRANDE PIDERA VLY D (RIO GRANDE) | **No Forbearance in October 2021** |
| **2** | 163 | EXCELSIOR D (RIO GRANDE) | **0** |
| **3** | 163 | EXCELSIOR D (RIO GRANDE) | **0** |
| **4** | 163 | EXCELSIOR D (RIO GRANDE) | **0** |
| **5** | 163 | EXCELSIOR D (RIO GRANDE) | **0** |
| **6** | 163 | EXCELSIOR D (RIO GRANDE) | **0** |
| **7** | 146 | RIO GRANDE PIEDRA VLY (RIO GRANDE) | **0** |
| **8** | 146 | RIO GRANDE PIEDRA VLY (RIO GRANDE) | **0** |
| **9** | 146 | RIO GRANDE PIEDRA VLY (RIO GRANDE) | **0** |
| **10** | 173 | CENTENNIAL D (RIO GRANDE) | **0** |
| **11** | 163 | EXCELSIOR D (RIO GRANDE) | **0** |
| **12** | 163 | EXCELSIOR D (RIO GRANDE) | **0** |
| **13** | 163 | EXCELSIOR D (RIO GRANDE) | **0** |
| **14** | 163 | EXCELSIOR D (RIO GRANDE) | **0** |
| **15** | 173 | CENTENNIAL D (RIO GRANDE) | **0** |
| **16** | 166 | INDEPENDENT D (RIO GRANDE) | **0** |
| **17** | 174 | CHICAGO D (RIO GRANDE) | **0** |
| **18** | 174 | CHICAGO D (RIO GRANDE) | **0** |
| **19** | 174 | CHICAGO D (RIO GRANDE) | **0** |
| **20** | 178 | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **21** | 174 | CHICAGO D (RIO GRANDE) | **0** |
| **22** | 174 | CHICAGO D (RIO GRANDE) | **0** |
| **23** | 166 | INDEPENDENT D (RIO GRANDE) | **0** |
| **24** | 166 | INDEPENDENT D (RIO GRANDE) | **0** |
| **25** | 163 | EXCELSIOR D (RIO GRANDE) | **0** |
| **26** | 163 | EXCELSIOR D (RIO GRANDE) | **0** |
| **27** | 174 | CHICAGO D (RIO GRANDE) | **0** |
| **28** | 178 | RIO GRANDE CNL (RIO GRANDE) | **0** |
| **29** | 178 | CHICAGO D (RIO GRANDE) | **0** |
| **30** | 174 | CHICAGO D (RIO GRANDE) | **0** |
| **31** | 174 | CHICAGO D (RIO GRANDE) | |

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

**Table 1**: Subdistrict No. 1 depletions per Table 2.6 in the accepted 2021 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Stream Replacement Obligation for 2021 ARP Year submitted to the Colorado State Engineer's Office on April 15, 2021. November 2021 Depletion Obligation Total: 89 ac-ft. 2021 Replacement Operation Total: 89 ac-ft (all units' are in acre feet).

**Table 1**

| *Date* | *Depletion Obligation* | | | | *SD #1 Replacement Water Sources* | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **October** | **SR-1 Ac-ft.** | **SR-2 Ac-ft.** | **SR-3 Ac-ft.** | **Total Required 2021 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 1, 2 & 3 Ac-ft.** | **Accretion Exchange from SMRC SR1 & SR3 Ac-Ft.** | **Accretion Exchange From SMRC SR 2Ac-ft.** | **Total** |
| 1 | | 7.61 | | | 0 | 0 | 0 | 0 | | | | | | 7.61 |
| 2 | | 1.50 | | | 0 | 0 | 0 | 0 | | | | | | 1.50 |
| 3 | | 1.61 | | | 0 | 0 | 0 | 0 | | | | | | 1.61 |
| 4 | | 1.46 | | | 0 | 0 | 0 | 0 | | | | | | 1.46 |
| 5 | | 1.46 | | | 0 | 0 | 0 | 0 | | | | | | 1.46 |
| 6 | | 1.42 | | | 0 | 0 | 0 | 0 | | | | | | 1.42 |
| 7 | | 1.31 | | | 0 | 0 | 0 | 0 | | | | | | 1.31 |
| 8 | | 1.31 | | | 0 | 0 | 0 | 0 | | | | | | 1.31 |
| 9 | | 1.45 | | | 0 | 0 | 0 | 0 | | | | | | 1.45 |
| 10 | | 1.61 | | | 0 | 0 | 0 | 0 | | | | | | 1.61 |
| 11 | | 1.5 | | | 0 | 0 | 0 | 0 | | | | | | 1.5 |
| 12 | | 1.63 | | | 0 | 0 | 0 | 0 | | | | | | 1.63 |
| 13 | | 1.62 | | | 0 | 0 | 0 | 0 | | | | | | 1.62 |
| 14 | | 1.63 | | | 0 | 0 | 0 | 0 | | | | | | 1.63 |
| 15 | | 1.66 | | | 0 | 0 | 0 | 0 | | | | | | 1.66 |
| 16 | | 1.68 | | | 0 | 0 | 0 | 0 | | | | | | 1.68 |
| 17 | | 1.60 | | | 0 | 0 | 0 | 0 | | | | | | 1.60 |
| 18 | | 1.60 | | | 0 | 0 | 0 | 0 | | | | | | 1.60 |
| 19 | | 1.67 | | | 0 | 0 | 0 | 0 | | | | | | 1.67 |
| 20 | | 1.68 | | | 0 | 0 | 0 | 0 | | | | | | 1.68 |
| 21 | | 1.63 | | | 0 | 0 | 0 | 0 | | | | | | 1.63 |
| 22 | | 1.61 | | | 0 | 0 | 0 | 0 | | | | | | 1.61 |
| 23 | | 1.68 | | | 0 | 0 | 0 | 0 | | | | | | 1.68 |
| 24 | | 1.67 | | | 0 | 0 | 0 | 0 | | | | | | 1.67 |
| 25 | | 1.61 | | | 0 | 0 | 0 | 0 | | | | | | 1.61 |
| 26 | | 1.66 | | | 0 | 0 | 0 | 0 | | | | | | 1.66 |
| 27 | | 1.70 | | | 0 | 0 | 0 | 0 | | | | | | 1.70 |
| 28 | | 1.72 | | | 0 | 0 | 0 | 0 | | | | | | 1.72 |
| 29 | | 1.73 | | | 0 | 0 | 0 | 0 | | | | | | 1.73 |
| 30 | | 1.75 | | | 0 | 0 | 0 | 0 | | | | | | 1.75 |
| **Totals** | | **53.95** | | | | | | | | | | | | **53.95** |

**Table 2**: District 20 Rio Grande River Call for November 2021 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

**Table 2**

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

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

**Table 1**: Subdistrict No. 1 depletions per Table 2.6 in the accepted 2021 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Stream Replacement Obligation for 2021 ARP Year submitted to the Colorado State Engineer's Office on April 15, 2021. December 2021 Depletion Obligation Total: 101 ac-ft. 2021 Replacement Operation Total: 101 ac-ft (all units' are in acre feet).

**Table 1**

| *Date* | *Depletion Obligation* | | | | *SD #1 Replacement Water Sources* | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **December** | **SR-1 Ac-ft.** | **SR-2 Ac-ft.** | **SR-3 Ac-ft.** | **Total Required 2021 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 1, 2 & 3 Ac-ft.** | **Accretion Exchange from SMRC SR1 & SR3 Ac-Ft.** | **Accretion Exchange From SMRC SR 2Ac-ft.** | **Winter Flow Program Total** |
| 1 | | 3.49 | | | 0 | 0 | 0 | 0 | | | | | | 3.49 |
| 2 | | 3.49 | | | 0 | 0 | 0 | 0 | | | | | | 3.49 |
| 3 | | 3.49 | | | 0 | 0 | 0 | 0 | | | | | | 3.49 |
| 4 | | 3.49 | | | 0 | 0 | 0 | 0 | | | | | | 3.49 |
| 5 | | 3.49 | | | 0 | 0 | 0 | 0 | | | | | | 3.49 |
| 6 | | 3.49 | | | 0 | 0 | 0 | 0 | | | | | | 3.49 |
| 7 | | 3.53 | | | 0 | 0 | 0 | 0 | | | | | | 3.53 |
| 8 | | 3.59 | | | 0 | 0 | 0 | 0 | | | | | | 3.59 |
| 9 | | 3.45 | | | 0 | 0 | 0 | 0 | | | | | | 3.45 |
| 10 | | 3.33 | | | 0 | 0 | 0 | 0 | | | | | | 3.33 |
| 11 | | 3.33 | | | 0 | 0 | 0 | 0 | | | | | | 3.33 |
| 12 | | 3.33 | | | 0 | 0 | 0 | 0 | | | | | | 3.33 |
| 13 | | 3.33 | | | 0 | 0 | 0 | 0 | | | | | | 3.33 |
| 14 | | 3.33 | | | 0 | 0 | 0 | 0 | | | | | | 3.33 |
| 15 | | 3.33 | | | 0 | 0 | 0 | 0 | | | | | | 3.33 |
| 16 | | 3.33 | | | 0 | 0 | 0 | 0 | | | | | | 3.33 |
| 17 | | 3.33 | | | 0 | 0 | 0 | 0 | | | | | | 3.33 |
| 18 | | 3.33 | | | 0 | 0 | 0 | 0 | | | | | | 3.33 |
| 19 | | 3.33 | | | 0 | 0 | 0 | 0 | | | | | | 3.33 |
| 20 | | 3.33 | | | 0 | 0 | 0 | 0 | | | | | | 3.33 |
| 21 | | 3.33 | | | 0 | 0 | 0 | 0 | | | | | | 3.33 |
| 22 | | 3.33 | | | 0 | 0 | 0 | 0 | | | | | | 3.33 |
| 23 | | 3.33 | | | 0 | 0 | 0 | 0 | | | | | | 3.33 |
| 24 | | 3.33 | | | 0 | 0 | 0 | 0 | | | | | | 3.33 |
| 25 | | 3.33 | | | 0 | 0 | 0 | 0 | | | | | | 3.33 |
| 26 | | 3.33 | | | 0 | 0 | 0 | 0 | | | | | | 3.33 |
| 27 | | 3.33 | | | 0 | 0 | 0 | 0 | | | | | | 3.33 |
| 28 | | 3.33 | | | 0 | 0 | 0 | 0 | | | | | | 3.33 |
| 29 | | 3.33 | | | 0 | 0 | 0 | 0 | | | | | | 3.33 |
| 30 | | 3.33 | | | 0 | 0 | 0 | 0 | | | | | | 3.33 |
| 31 | | 3.41 | | | 0 | 0 | 0 | 0 | | | | | | 3.41 |
| **Totals** | | **101** | | | | | | | | | | | | **101** |

**Table 2**: District 20 Rio Grande River Call for December 2021 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

**Table 2**

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

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

**Table 1**: Subdistrict No. 1 depletions per Table 2.6 in the accepted 2021 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Stream Replacement Obligation for 2021 ARP Year submitted to the Colorado State Engineer's Office on April 15, 2021. January 2022 Depletion Obligation Total: 64 ac-ft. 2021 Replacement Operation Total: 64 ac-ft (all units' are in acre feet).

**Table 1**

| *Date* | *Depletion Obligation* | | | | *SD #1 Replacement Water Sources* | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **January** | **SR-1 Ac-ft.** | **SR-2 Ac-ft.** | **SR-3 Ac-ft.** | **Total Required 2021 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 Ac-ft.** | **Accretion Exchange from SMRC SR1 & SR3 Ac-Ft.** | **Accretion Exchange From SMRC SR 2Ac-ft.** | **Total** |
| 1 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 2 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 3 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 4 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 5 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 6 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 7 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 8 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 9 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 10 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 11 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 12 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 13 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 14 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 15 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 16 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 17 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 18 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 19 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 20 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 21 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 22 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 23 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 24 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 25 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 26 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 27 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 28 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 29 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 30 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| 31 | -.942 | 3.13 | -.13 | | 0 | 0 | 0 | 0 | | | 2.05 | | | 2.05 |
| **Totals** | **-29.2** | **96.9** | **-3.9** | | | | | | | | | | | **64** |

**Table 2**: District 20 Rio Grande River Call for January 2021 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

**Table 2**

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

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

# APPENDIX B

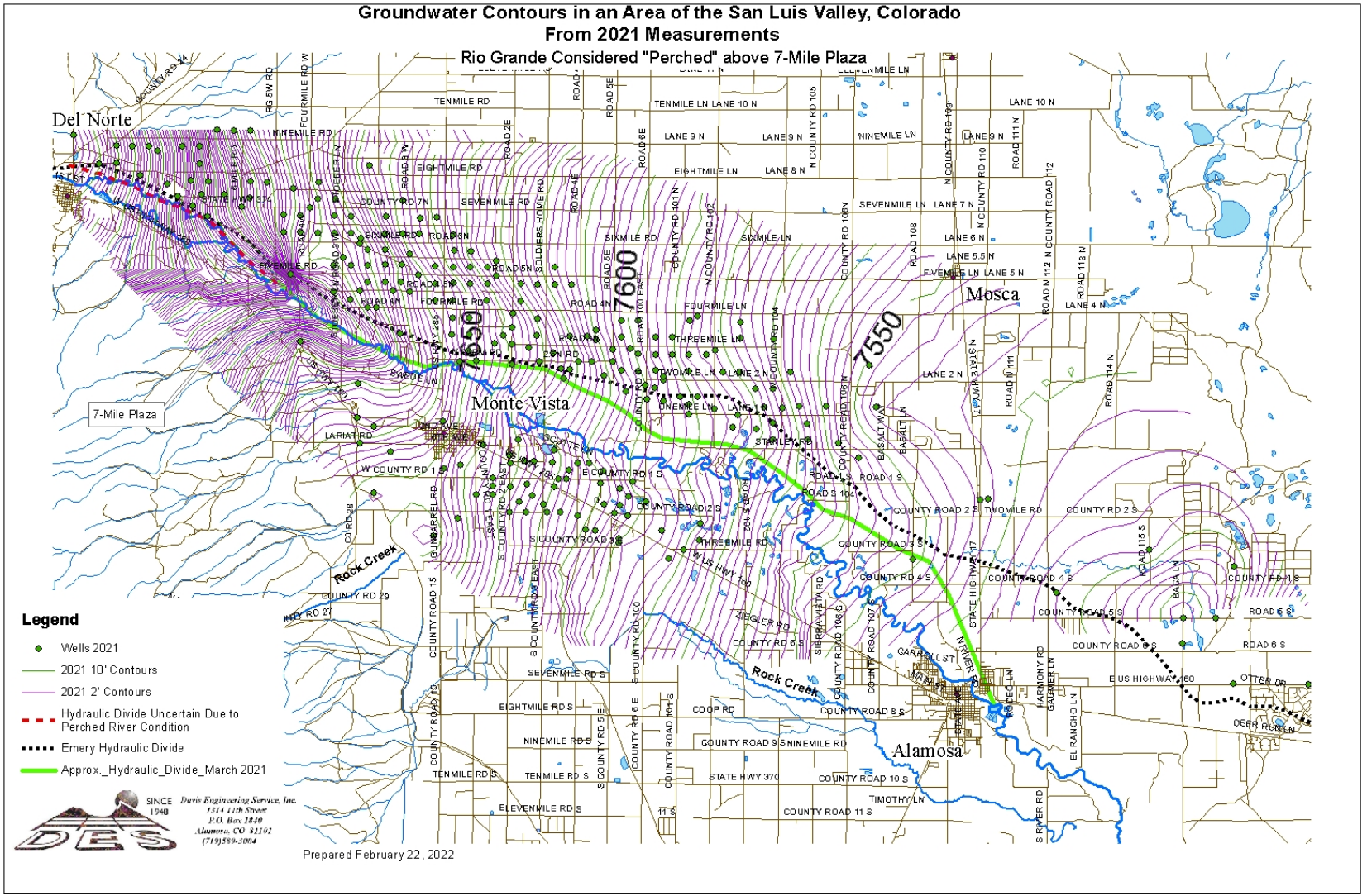
Ditches and Pro Rata Shares

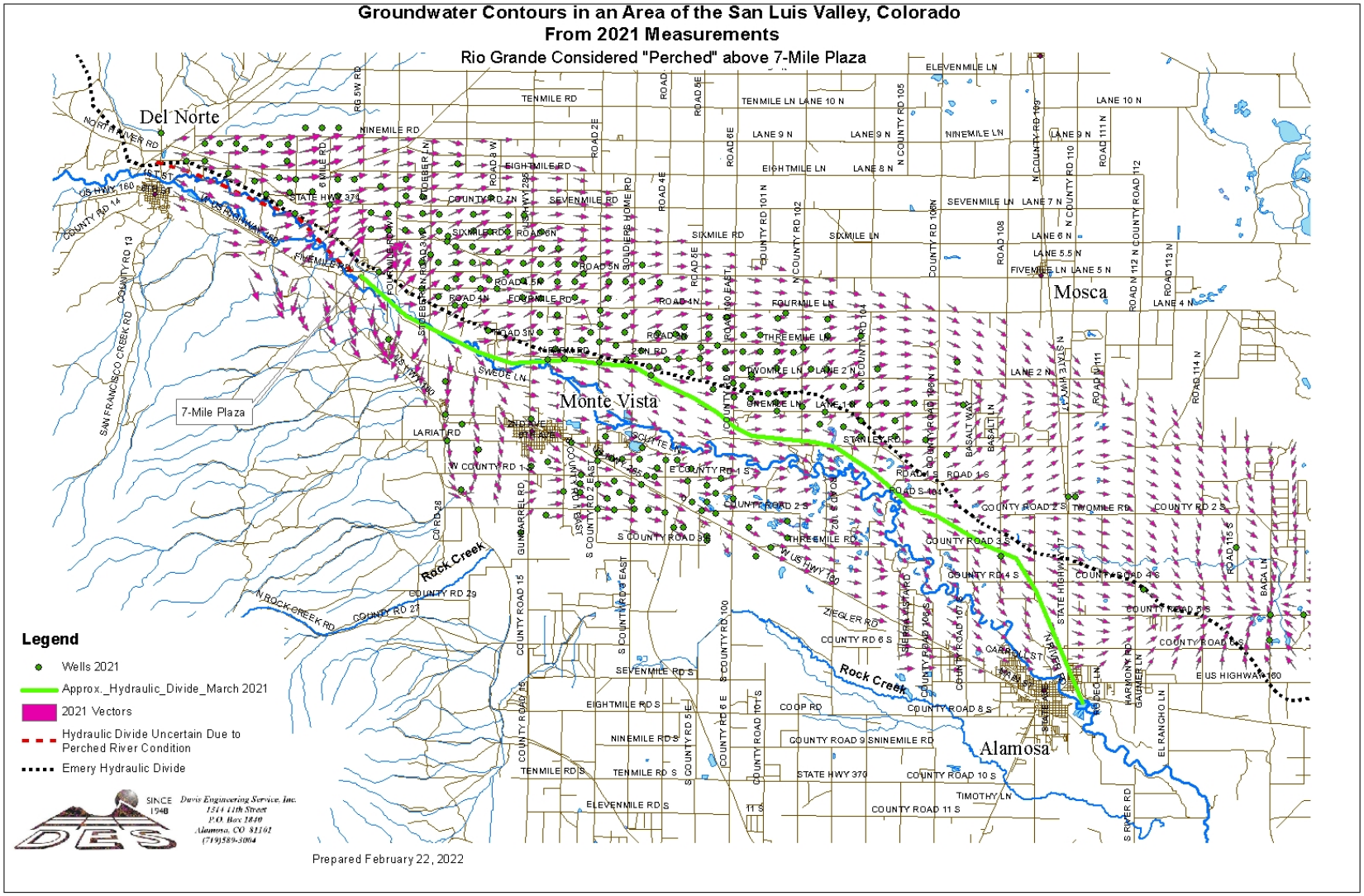
Summary of Ditches and Pro-Rata Shares
Allocated to Fields on Subdistrict No. 1 2021 Farm Units

| 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 | 60,787.48 | 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 | 244.8 | shares |
| 2000812 | RIO GRANDE CNL | 918.4 | in SpW |
| 2000812 | RIO GRANDE CNL | 6691.33 | shares |
| 2000812 | RIO GRANDE CNL | 4680 | SM |
| 2000814 | RIO GRANDE D 2 | 3 | cfs priority |
| 2000829 | SAN LUIS VALLEY CNL | 10764.67 | shares |
| 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 |
| 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 2021 WELL MEASUREMENTS




Groundwater Contours in an Area of the San Luis Valley, Colorado
From 2021 Measurements
Rio Grande Considered "Perched" above 7-Mile Plaza
Del Norte
Monte Vista
Mosca
Alamosa
7-Mile Plaza
Rock Creek
Legend
Wells 2021
Approx._Hydraulic_Divide_March 2021
2021 Vectors
Hydraulic Divide Uncertain Due to Perched River Condition
Emery Hydraulic Divide
SINCE 1948
Davis Engineering Service, Inc.
1314 11th Street
P.O. Box 1840
Alamosa, CO 81101
(719)589-3094
Prepared February 22, 2022

# 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) |
| 1/8/2021 | 8.20 | 7554.31 | RGWCD |
| 2/8/2021 | 8.08 | 7554.43 | RGWCD |
| 3/11/2021 | 8.06 | 7554.45 | RGWCD |
| 4/6/2021 | 7.90 | 7554.61 | RGWCD |
| 5/5/2021 | 7.79 | 7554.72 | RGWCD |
| 6/7/2021 | 7.84 | 7554.67 | RGWCD |
| 7/4/2021 | 8.17 | 7554.34 | RGWCD |
| 8/4/2021 | 8.04 | 7554.47 | RGWCD |
| 9/9/2021 | 8.32 | 7554.19 | RGWCD |
| 10/6/2021 | 8.44 | 7554.07 | RGWCD |
| 11/9/2021 | 8.39 | 7554.12 | RGWCD |
| 12/9/2021 | 8.20 | 7554.31 | RGWCD |
| 1/12/2022 | 8.21 | 7554.30 | RGWCD |
| 2/3/2022 | 8.16 | 7554.35 | 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 | | | |
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| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
|---|---|---|---|
| 1/12/2021 | 15.84 | 7534.36 | RGWCD |
| 2/8/2021 | 15.78 | 7534.42 | RGWCD |
| 3/11/2021 | 15.78 | 7534.42 | RGWCD |
| 4/6/2021 | 15.67 | 7534.53 | RGWCD |
| 5/5/2021 | 15.70 | 7534.50 | RGWCD |
| 6/7/2021 | 15.64 | 7534.56 | RGWCD |
| 7/4/2021 | 15.66 | 7534.54 | RGWCD |
| 8/5/2021 | 15.59 | 7534.61 | RGWCD |
| 9/9/2021 | 15.54 | 7534.66 | RGWCD |
| 10/6/2021 | 15.47 | 7534.73 | RGWCD |
| 11/9/2021 | 15.48 | 7534.72 | RGWCD |
| 12/9/2021 | 15.39 | 7534.81 | RGWCD |
| 1/12/2022 | 15.39 | 7534.81 | RGWCD |
| 2/3/2022 | 15.36 | 7534.84 | 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) |
| 1/8/2021 | 17.06 | 7619.30 | RGWCD |
| 2/8/2021 | 17.36 | 7619.00 | RGWCD |
| 3/11/2021 | 17.62 | 7618.74 | RGWCD |
| 4/6/2021 | 16.84 | 7619.52 | RGWCD |
| 5/5/2021 | 16.16 | 7620.20 | RGWCD |
| 6/7/2021 | 14.50 | 7621.86 | RGWCD |
| 7/4/2021 | 13.43 | 7622.93 | RGWCD |
| 8/4/2021 | 14.45 | 7621.91 | RGWCD |
| 9/9/2021 | 16.30 | 7620.06 | RGWCD |
| 10/6/2021 | 17.25 | 7619.11 | RGWCD |
| 11/9/2021 | 18.68 | 7617.68 | RGWCD |

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|---|---|---|---|
| 12/9/2021 | 18.30 | 7618.06 | RGWCD |
| 1/10/2022 | 18.53 | 7617.83 | RGWCD |
| 2/3/2022 | 18.73 | 7617.63 | 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) |
| 1/8/2021 | 22.90 | 7557.97 | RGWCD |
| 2/8/2021 | 22.55 | 7558.32 | RGWCD |
| 3/11/2021 | 22.19 | 7558.68 | RGWCD |
| 4/6/2021 | 22.01 | 7558.86 | RGWCD |
| 5/5/2021 | 21.83 | 7559.04 | RGWCD |
| 6/7/2021 | 22.66 | 7558.21 | RGWCD |
| 7/4/2021 | 23.92 | 7556.95 | RGWCD |
| 8/4/2021 | Well Dry | - | RGWCD |
| 9/9/2021 | Well Dry | - | RGWCD |
| 10/6/2021 | Well Dry | - | RGWCD |
| 11/9/2021 | Well Dry | - | RGWCD |
| 12/9/2021 | Well Dry | - | RGWCD |
| 1/12/2022 | Well Dry | - | RGWCD |
| 2/3/2022 | Well Dry | - | 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 | | | |
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| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
|---|---|---|---|
| 1/12/2021 | 41.62 | 7511.23 | RGWCD |
| 2/8/2021 | 41.05 | 7511.80 | RGWCD |
| 3/11/2021 | 40.53 | 7512.32 | RGWCD |
| 4/6/2021 | 39.99 | 7512.86 | RGWCD |
| 5/5/2021 | 40.09 | 7512.76 | RGWCD |
| 6/7/2021 | 39.61 | 7513.24 | RGWCD |
| 7/4/2021 | 42.26 | 7510.59 | RGWCD |
| 8/5/2021 | 43.74 | 7509.11 | RGWCD |
| 9/9/2021 | 44.21 | 7508.64 | RGWCD |
| 10/11/2021 | 43.77 | 7509.08 | RGWCD |
| 11/11/2021 | 43.14 | 7509.71 | RGWCD |
| 12/11/2021 | 42.57 | 7510.28 | RGWCD |
| 1/11/2022 | 41.94 | 7510.91 | RGWCD |
| 2/3/2022 | 41.44 | 7511.41 | 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) |
| 1/12/2021 | 15.29 | 7520.51 | RGWCD |
| 2/9/2021 | 15.64 | 7520.16 | RGWCD |
| 3/11/2021 | 15.79 | 7520.01 | RGWCD |
| 4/6/2021 | 15.79 | 7520.01 | RGWCD |
| 5/5/2021 | 15.86 | 7519.94 | RGWCD |
| 6/7/2021 | 15.87 | 7519.93 | RGWCD |
| 7/4/2021 | 15.94 | 7519.86 | RGWCD |
| 8/5/2021 | 16.00 | 7519.80 | RGWCD |
| 9/9/2021 | 16.07 | 7519.73 | RGWCD |
| 10/6/2021 | 16.04 | 7519.76 | RGWCD |
| 11/6/2021 | 16.03 | 7519.77 | RGWCD |

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|---|---|---|---|
| 12/9/2021 | 16.09 | 7519.71 | RGWCD |
| 1/12/2022 | 16.10 | 7519.70 | RGWCD |
| 2/3/2022 | 16.20 | 7519.60 | 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) |
| 1/12/2021 | 14.60 | 7522.62 | RGWCD |
| 2/9/2021 | 14.57 | 7522.65 | RGWCD |
| 3/11/2021 | 14.71 | 7522.51 | RGWCD |
| 4/7/2021 | 14.74 | 7522.48 | RGWCD |
| 5/5/2021 | 14.78 | 7522.44 | RGWCD |
| 6/7/2021 | 14.78 | 7522.44 | RGWCD |
| 7/4/2021 | 14.80 | 7522.42 | RGWCD |
| 8/5/2021 | 14.77 | 7522.45 | RGWCD |
| 9/9/2021 | 14.71 | 7522.51 | RGWCD |
| 10/6/2021 | 14.79 | 7522.43 | RGWCD |
| 11/9/2021 | 14.75 | 7522.47 | RGWCD |
| 12/9/2021 | 14.83 | 7522.39 | RGWCD |
| 1/12/2022 | 14.77 | 7522.45 | RGWCD |
| 2/3/2022 | 14.75 | 7522.47 | RGWCD |
| | | | |
| **USGS 374704105590002, NA04100921DAA, RGWCD28-1** | | | |
| **RG28-1** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 32.0 | 37.78448396 N | 105.98354869 W | 7579.49 |
| Unconfined Aquifer | | | |
| | | | |

| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
|---|---|---|---|
| 1/12/2021 | 33.77 | 7545.82 | RGWCD |
| 2/9/2021 | 33.85 | 7545.74 | RGWCD |
| 3/12/2021 | Well Dry | - | RGWCD |
| 4/6/2021 | Well Dry | - | RGWCD |
| 5/6/221 | Well Dry | - | RGWCD |
| 6/7/2021 | Well Dry | - | RGWCD |
| 7/4/2021 | Well Dry | - | RGWCD |
| 8/5/2021 | Well Dry | - | RGWCD |
| 9/9/2021 | Well Dry | - | RGWCD |
| 10/6/2021 | Well Dry | - | RGWCD |
| 11/6/2021 | Well Dry | - | RGWCD |
| 12/9/2021 | Well Dry | - | RGWCD |
| 1/11/2022 | Well Dry | - | RGWCD |
| 2/3/2022 | Well Dry | - | 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) |
| 1/12/2021 | 39.21 | 7532.73 | RGWCD |
| 2/9/2021 | 39.06 | 7532.88 | RGWCD |
| 3/12/2021 | 38.90 | 7533.04 | RGWCD |
| 4/6/2021 | 38.81 | 7533.13 | RGWCD |
| 5/6/2021 | 39.20 | 7532.74 | RGWCD |
| 6/7/2021 | 39.12 | 7532.82 | RGWCD |
| 7/4/2021 | 39.08 | 7532.86 | RGWCD |
| 8/5/2021 | 39.77 | 7532.17 | RGWCD |
| 9/9/2021 | 40.68 | 7531.26 | RGWCD |
| 10/6/2021 | 40.83 | 7531.11 | RGWCD |
| 11/9/2021 | 40.80 | 7531.14 | RGWCD |

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|---|---|---|---|
| 12/9/2021 | 40.64 | 7531.30 | RGWCD |
| 1/12/2022 | 40.51 | 7531.43 | RGWCD |
| 2/3/2022 | 40.36 | 7531.58 | 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) |
| 1/8/2021 | Well Dry | - | RGWCD |
| 2/9/2021 | Well Dry | - | RGWCD |
| 3/12/2021 | Well Dry | - | RGWCD |
| 4/5/2021 | Well Dry | - | RGWCD |
| 5/6/2021 | Well Dry | - | RGWCD |
| 6/7/2021 | Well Dry | - | RGWCD |
| 7/2/2021 | Well Dry | - | RGWCD |
| 8/4/2021 | Well Dry | - | RGWCD |
| 9/9/2021 | Well Dry | - | RGWCD |
| 10/5/2021 | Well Dry | - | RGWCD |
| 11/8/2021 | Well Dry | - | RGWCD |
| 12/9/2021 | Well Dry | - | RGWCD |
| 1/11/2022 | Well Dry | - | RGWCD |
| 2/3/2022 | Well Dry | - | RGWCD |
| | | | |
| **RGWCD29A** | | | |
| **RG29A** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| - | 37.74810207 N | 106.03860429 W | 7608.95 |
| Unconfined Aquifer | | | |
| | | | |

| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
|---|---|---|---|
| 1/8/2021 | 33.09 | 7575.91 | RGWCD |
| 2/9/2021 | 32.89 | 7576.11 | RGWCD |
| 3/12/2021 | 32.79 | 7576.21 | RGWCD |
| 4/5/2021 | 32.32 | 7576.68 | RGWCD |
| 5/6/2021 | 32.34 | 7576.66 | RGWCD |
| 6/4/2021 | 32.63 | 7576.37 | RGWCD |
| 7/2/2021 | 33.59 | 7575.41 | RGWCD |
| 8/4/2021 | 35.37 | 7573.63 | RGWCD |
| 9/2/2021 | 36.65 | 7572.35 | RGWCD |
| 10/5/2021 | 37.85 | 7571.15 | RGWCD |
| 11/8/2021 | 38.21 | 7570.79 | RGWCD |
| 12/8/2021 | 35.37 | 7573.63 | RGWCD |
| 1/11/2022 | 34.86 | 7574.14 | RGWCD |
| 2/3/2022 | 34.59 | 7574.41 | 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) |
| 1/8/2021 | Well Dry | - | RGWCD |
| 2/9/2021 | Well Dry | - | RGWCD |
| 3/12/2021 | Well Dry | - | RGWCD |
| 4/5/2021 | Well Dry | - | RGWCD |
| 5/6/2021 | Well Dry | - | RGWCD |
| 6/7/2021 | Well Dry | - | RGWCD |
| 7/2/2021 | Well Dry | - | RGWCD |
| 8/4/2021 | Well Dry | - | RGWCD |
| 9/9/2021 | Well Dry | - | RGWCD |
| 10/6/2021 | Well Dry | - | RGWCD |
| 11/7/2021 | Well Dry | - | RGWCD |

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|---|---|---|---|
| 12/9/2021 | Well Dry | - | RGWCD |
| 1/11/2022 | Well Dry | - | RGWCD |
| 2/3/2022 | Well Dry | - | RGWCD |
| | | | |
| **USGS 374455106085501, NA04100831CCC, RGWCD31** | | | |
| **RG31** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 73.0 | 37.74863225 N | 106.14876475 W | 7668.30 |
| Unconfined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 1/8/2021 | 41.06 | 7627.24 | RGWCD |
| 2/8/2021 | 41.30 | 7627.00 | RGWCD |
| 3/11/2021 | 41.47 | 7626.83 | RGWCD |
| 4/5/2021 | 41.56 | 7626.74 | RGWCD |
| 5/5/2021 | 41.75 | 7626.55 | RGWCD |
| 6/7/2021 | 39.65 | 7628.65 | RGWCD |
| 7/2/2021 | 38.27 | 7630.03 | RGWCD |
| 8/4/2021 | No Measurment | - | RGWCD |
| 9/2/2021 | 41.63 | 7626.67 | RGWCD |
| 10/5/2021 | 42.31 | 7625.99 | RGWCD |
| 11/8/2021 | 45.78 | 7622.52 | RGWCD |
| 12/8/2021 | 43.28 | 7625.02 | RGWCD |
| 1/11/2022 | 43.48 | 7624.82 | RGWCD |
| 2/4/2022 | 43.61 | 7624.69 | 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 | | | |
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| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
|---|---|---|---|
| 1/8/2021 | 78.14 | 7677.44 | RGWCD |
| 2/8/2021 | 78.00 | 7677.58 | RGWCD |
| 3/11/2021 | 78.22 | 7677.36 | RGWCD |
| 4/5/2021 | 78.14 | 7677.44 | RGWCD |
| 5/5/2021 | 79.20 | 7676.38 | RGWCD |
| 6/7/2021 | 80.29 | 7675.29 | RGWCD |
| 7/2/2021 | 81.22 | 7674.36 | RGWCD |
| 8/4/2021 | 81.38 | 7674.20 | RGWCD |
| 9/2/2021 | 82.13 | 7673.45 | RGWCD |
| 10/5/2021 | 81.23 | 7674.35 | RGWCD |
| 11/8/2021 | 80.58 | 7675.00 | RGWCD |
| 12/8/2021 | 80.23 | 7675.35 | RGWCD |
| 1/11/2022 | 80.31 | 7675.27 | RGWCD |
| 2/4/2022 | 80.43 | 7675.15 | RGWCD |
| | | | |
| **USGS 374046106163801, NA04000625CBC, RGWCD35** | | | |
| **RG35** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 48.0 | 37.67986113 N | 106.27752283 W | 7810.76 |
| Unconfined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 1/8/2021 | Well Dry | - | RGWCD |
| 2/8/2021 | Well Dry | - | RGWCD |
| 3/11/2021 | Well Dry | - | RGWCD |
| 4/5/2021 | Well Dry | - | RGWCD |
| 5/5/2021 | Well Dry | - | RGWCD |
| 6/7/2021 | Well Dry | - | RGWCD |
| 7/2/2021 | Well Dry | - | RGWCD |
| 8/4/2021 | Well Dry | - | RGWCD |
| 9/2/2021 | Well Dry | - | RGWCD |
| 10/5/2021 | Well Dry | - | RGWCD |
| 11/8/2021 | Well Dry | - | RGWCD |

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|---|---|---|---|
| 12/8/2021 | Well Dry | - | RGWCD |
| 1/11/2022 | Well Dry | - | RGWCD |
| 2/4/2022 | Well Dry | - | RGWCD |
| | | | |
| **RGWCD35A** | | | |
| **RG35A** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| - | 37.67984318 N | 106.27752760 W | 7811.09 |
| Unconfined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 1/8/2021 | 45.28 | 7765.82 | RGWCD |
| 2/8/2021 | 46.90 | 7764.20 | RGWCD |
| 3/11/2021 | 48.45 | 7762.65 | RGWCD |
| 4/5/2021 | 49.39 | 7761.71 | RGWCD |
| 5/5/2021 | 49.90 | 7761.20 | RGWCD |
| 6/7/2021 | 47.36 | 7763.74 | RGWCD |
| 7/2/2021 | 38.96 | 7772.14 | RGWCD |
| 8/4/2021 | 36.38 | 7774.72 | RGWCD |
| 9/2/2021 | 40.59 | 7770.51 | RGWCD |
| 10/5/2021 | 40.67 | 7770.43 | RGWCD |
| 11/8/2021 | 41.91 | 7769.19 | RGWCD |
| 12/8/2021 | 43.60 | 7767.50 | RGWCD |
| 1/11/2022 | 46.74 | 7764.36 | RGWCD |
| 2/4/2022 | 48.26 | 7762.84 | 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) |
|---|---|---|---|
| 1/8/2021 | 34.90 | 7648.40 | RGWCD |
| 2/8/2021 | 34.71 | 7648.59 | RGWCD |
| 3/12/2021 | 34.63 | 7648.67 | RGWCD |
| 4/5/2021 | 34.64 | 7648.66 | RGWCD |
| 5/5/2021 | 35.38 | 7647.92 | RGWCD |
| 6/7/2021 | 36.09 | 7647.21 | RGWCD |
| 7/2/2021 | 36.46 | 7646.84 | RGWCD |
| 8/4/2021 | 36.70 | 7646.60 | RGWCD |
| 9/2/2021 | 37.74 | 7645.56 | RGWCD |
| 10/5/2021 | 37.09 | 7646.21 | RGWCD |
| 11/8/2021 | 36.82 | 7646.48 | RGWCD |
| 12/8/2021 | 36.46 | 7646.84 | RGWCD |
| 1/12/2022 | 36.41 | 7646.89 | RGWCD |
| 2/4/2022 | 36.40 | 7646.90 | 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) |
| 1/8/2021 | 35.76 | 7607.16 | RGWCD |
| 2/9/2021 | 35.65 | 7607.27 | RGWCD |
| 3/11/2021 | 35.60 | 7607.32 | RGWCD |
| 4/5/2021 | 35.54 | 7607.38 | RGWCD |
| 5/6/2021 | 36.07 | 7606.85 | RGWCD |
| 6/7/2021 | 35.73 | 7607.19 | RGWCD |
| 7/4/2021 | 37.33 | 7605.59 | RGWCD |
| 8/4/2021 | 38.62 | 7604.30 | RGWCD |
| 9/2/2021 | 39.53 | 7603.39 | RGWCD |
| 10/5/2021 | 39.37 | 7603.55 | RGWCD |
| 11/8/2021 | 39.19 | 7603.73 | RGWCD |

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|---|---|---|---|
| 12/8/2021 | 39.01 | 7603.91 | RGWCD |
| 1/11/2022 | 38.78 | 7604.14 | RGWCD |
| 2/4/2022 | 38.64 | 7604.28 | 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) |
| 1/8/2021 | 25.44 | 7591.21 | RGWCD |
| 2/9/2021 | 25.14 | 7591.51 | RGWCD |
| 3/12/2021 | 24.90 | 7591.75 | RGWCD |
| 4/5/2021 | 24.68 | 7591.97 | RGWCD |
| 5/6/2021 | 25.67 | 7590.98 | RGWCD |
| 6/7/2021 | 23.02 | 7593.63 | RGWCD |
| 7/2/2021 | 25.63 | 7591.02 | RGWCD |
| 8/5/2021 | 27.43 | 7589.22 | RGWCD |
| 9/2/2021 | Well Dry | - | RGWCD |
| 10/5/2021 | Well Dry | - | RGWCD |
| 11/8/2021 | Well Dry | - | RGWCD |
| 12/8/2021 | 26.79 | 7589.86 | RGWCD |
| 1/11/2022 | 26.46 | 7590.19 | RGWCD |
| 2/4/2022 | 26.20 | 7590.45 | 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) |
|---|---|---|---|
| 1/12/2021 | 26.21 | 7564.65 | RGWCD |
| 2/9/2021 | 26.02 | 7564.84 | RGWCD |
| 3/12/2021 | 25.87 | 7564.99 | RGWCD |
| 4/7/2021 | 25.64 | 7565.22 | RGWCD |
| 5/6/2021 | 25.79 | 7565.07 | RGWCD |
| 6/7/2021 | 25.96 | 7564.90 | RGWCD |
| 7/4/2021 | 26.62 | 7564.24 | RGWCD |
| 8/5/2021 | 27.38 | 7563.48 | RGWCD |
| 9/9/2021 | 27.58 | 7563.28 | RGWCD |
| 10/6/2021 | 27.53 | 7563.33 | RGWCD |
| 11/8/2021 | 27.36 | 7563.50 | RGWCD |
| 12/8/2021 | 27.22 | 7563.64 | RGWCD |
| 1/11/2022 | 26.99 | 7563.87 | RGWCD |
| 2/4/2022 | 26.89 | 7563.97 | 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) |
| 1/12/2021 | 17.14 | 7558.00 | RGWCD |
| 2/9/2021 | 16.78 | 7558.36 | RGWCD |
| 3/12/2021 | 16.51 | 7558.63 | RGWCD |
| 4/7/2021 | 16.48 | 7558.66 | RGWCD |
| 5/6/2021 | 16.51 | 7558.63 | RGWCD |
| 6/7/2021 | 15.71 | 7559.43 | RGWCD |
| 7/4/2021 | 16.77 | 7558.37 | RGWCD |
| 8/5/2021 | 18.21 | 7556.93 | RGWCD |
| 9/9/2021 | 18.90 | 7556.24 | RGWCD |
| 10/6/2021 | 18.59 | 7556.55 | RGWCD |
| 11/8/2021 | 18.38 | 7556.76 | RGWCD |

| | | | |
|---|---|---|---|
| 12/8/2021 | 18.04 | 7557.10 | RGWCD |
| 1/11/2022 | 17.77 | 7557.37 | RGWCD |
| 2/4/2022 | 17.67 | 7557.47 | 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) |
| 1/6/2021 | 10.91 | 7531.17 | RGWCD |
| 2/4/2021 | 10.96 | 7531.12 | RGWCD |
| 3/8/2021 | 11.02 | 7531.06 | RGWCD |
| 4/1/2021 | 10.96 | 7531.12 | RGWCD |
| 5/4/2021 | 10.91 | 7531.17 | RGWCD |
| 6/3/2021 | 9.33 | 7532.75 | RGWCD |
| 7/1/2021 | 9.49 | 7532.59 | RGWCD |
| 8/3/2021 | 10.08 | 7532.00 | RGWCD |
| 9/1/2021 | 10.39 | 7531.69 | RGWCD |
| 10/4/2021 | 10.59 | 7531.49 | RGWCD |
| 11/4/2021 | 10.79 | 7531.29 | RGWCD |
| 12/3/2021 | 10.88 | 7531.20 | RGWCD |
| 1/10/2022 | 11.00 | 7531.08 | RGWCD |
| 2/4/2022 | 11.07 | 7531.01 | 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) |
|---|---|---|---|
| 1/12/2021 | 7.89 | 7540.39 | RGWCD |
| 2/8/2021 | 7.91 | 7540.37 | RGWCD |
| 3/12/2021 | 7.91 | 7540.37 | RGWCD |
| 4/5/2021 | 7.90 | 7540.38 | RGWCD |
| 5/5/2021 | 7.90 | 7540.38 | RGWCD |
| 6/7/2021 | 6.81 | 7541.47 | RGWCD |
| 7/2/2021 | 7.53 | 7540.75 | RGWCD |
| 8/5/2021 | 7.87 | 7540.41 | RGWCD |
| 9/2/2021 | 8.11 | 7540.17 | RGWCD |
| 10/5/2021 | 8.15 | 7540.13 | RGWCD |
| 11/8/2021 | 8.06 | 7540.22 | RGWCD |
| 12/8/2021 | 8.06 | 7540.22 | RGWCD |
| 1/12/2022 | 8.07 | 7540.21 | RGWCD |
| 2/4/2022 | 8.10 | 7540.18 | 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) |
| 1/12/2021 | 15.61 | 7554.21 | RGWCD |
| 2/8/2021 | 15.46 | 7554.36 | RGWCD |
| 3/12/2021 | 15.34 | 7554.48 | RGWCD |
| 4/5/2021 | 15.24 | 7554.58 | RGWCD |
| 5/6/2021 | 14.17 | 7555.65 | RGWCD |
| 6/7/2021 | 12.39 | 7557.43 | RGWCD |
| 7/2/2021 | 13.83 | 7555.99 | RGWCD |
| 8/5/2021 | 14.67 | 7555.15 | RGWCD |
| 9/2/2021 | 15.00 | 7554.82 | RGWCD |
| 10/5/2021 | 15.25 | 7554.57 | RGWCD |
| 11/8/2021 | 15.38 | 7554.44 | RGWCD |

| | | | |
|---|---|---|---|
| 12/8/2021 | 15.25 | 7554.57 | RGWCD |
| 1/12/2022 | 15.29 | 7554.53 | RGWCD |
| 2/4/2022 | 15.24 | 7554.58 | 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) |
| 1/20/2021 | 17.02 | 7577.75 | RGWCD |
| 2/8/2021 | 16.81 | 7577.96 | RGWCD |
| 3/12/2021 | 16.65 | 7578.12 | RGWCD |
| 4/5/2021 | 16.51 | 7578.26 | RGWCD |
| 5/6/2021 | 17.34 | 7577.43 | RGWCD |
| 6/7/2021 | 17.59 | 7577.18 | RGWCD |
| 7/2/2021 | 18.14 | 7576.63 | RGWCD |
| 8/5/2021 | 19.97 | 7574.80 | RGWCD |
| 9/2/2021 | 18.86 | 7575.91 | RGWCD |
| 10/5/2021 | 18.46 | 7576.31 | RGWCD |
| 11/8/2021 | 18.01 | 7576.76 | RGWCD |
| 12/8/2021 | 17.73 | 7577.04 | RGWCD |
| 1/11/2022 | 17.48 | 7577.29 | RGWCD |
| 2/4/2022 | 17.44 | 7577.33 | 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) |

| | | | |
|---|---|---|---|
| 1/12/2021 | 5.90 | 7596.40 | RGWCD |
| 2/8/2021 | 5.94 | 7596.36 | RGWCD |
| 3/12/2021 | 5.99 | 7596.31 | RGWCD |
| 4/5/2021 | 5.97 | 7596.33 | RGWCD |
| 5/6/2021 | 5.36 | 7596.94 | RGWCD |
| 6/7/2021 | 3.75 | 7598.55 | RGWCD |
| 7/2/2021 | 5.37 | 7596.93 | RGWCD |
| 8/5/2021 | 5.81 | 7596.49 | RGWCD |
| 9/2/2021 | 6.14 | 7596.16 | RGWCD |
| 10/5/2021 | 6.25 | 7596.05 | RGWCD |
| 11/8/2021 | 6.18 | 7596.12 | RGWCD |
| 12/8/2021 | 6.16 | 7596.14 | RGWCD |
| 1/11/2022 | 6.00 | 7596.30 | RGWCD |
| 2/4/2022 | 6.00 | 7596.30 | RGWCD |
| | | | |
| **USGS 373705106051701, NA03900815CDC, RGWCD51-1** | | | |
| **RG51-1** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 30.0 | 37.61804315 N | 106.08926406 W | 7638.71 |
| Unconfined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 1/8/2021 | 13.25 | 7625.46 | RGWCD |
| 2/8/2021 | 13.28 | 7625.43 | RGWCD |
| 3/12/2021 | 13.27 | 7625.44 | RGWCD |
| 4/5/2021 | 13.23 | 7625.48 | RGWCD |
| 5/6/2021 | 11.70 | 7627.01 | RGWCD |
| 6/7/2021 | 9.48 | 7629.23 | RGWCD |
| 7/2/2021 | 10.58 | 7628.13 | RGWCD |
| 8/5/2021 | 12.92 | 7625.79 | RGWCD |
| 9/2/2021 | 14.10 | 7624.61 | RGWCD |
| 10/5/2021 | 14.04 | 7624.67 | RGWCD |
| 11/8/2021 | 14.05 | 7624.66 | RGWCD |
| 12/8/2021 | 13.86 | 7624.85 | RGWCD |
| 1/11/2022 | 13.92 | 7624.79 | RGWCD |
| 2/4/2022 | 13.98 | 7624.73 | 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) |
| 1/30/2021 | -8.47 | 7622.53 | RGWCD |
| 2/22/2021 | -8.84 | 7622.90 | RGWCD |
| 3/23/2021 | -8.89 | 7622.95 | RGWCD |
| 4/21/2021 | -8.95 | 7623.01 | RGWCD |
| 5/19/2021 | -8.62 | 7622.68 | RGWCD |
| 6/24/2021 | -7.79 | 7621.85 | RGWCD |
| 7/14/2021 | -7.39 | 7621.45 | RGWCD |
| 8/19/2021 | -6.65 | 7620.71 | RGWCD |
| 9/20/2021 | -4.51 | 7618.57 | RGWCD |
| 10/29/2021 | -6.60 | 7620.66 | RGWCD |
| 11/24/2021 | -7.10 | 7621.16 | RGWCD |
| 12/16/2021 | -7.46 | 7621.52 | RGWCD |
| 1/29/2022 | -7.97 | 7622.03 | 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) |

| | | | |
|---|---|---|---|
| 1/30/2021 | No Measurement | - | RGWCD |
| 2/22/2021 | -16.37 | 7614.75 | RGWCD |
| 3/23/2021 | -17.16 | 7615.54 | RGWCD |
| 4/21/2021 | -18.38 | 7616.76 | RGWCD |
| 5/19/2021 | -16.54 | 7614.92 | RGWCD |
| 6/22/2021 | -14.77 | 7613.15 | RGWCD |
| 7/12/2021 | -13.99 | 7612.37 | RGWCD |
| 8/19/2021 | -13.05 | 7611.43 | RGWCD |
| 9/21/2021 | -12.44 | 7610.82 | RGWCD |
| 10/26/2021 | -12.39 | 7610.77 | RGWCD |
| 11/24/2021 | -13.30 | 7611.68 | RGWCD |
| 12/16/2021 | -14.11 | 7612.49 | RGWCD |
| 1/29/2022 | -16.55 | 7614.93 | 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) |
| 1/11/2021 | -7.41 | 7562.74 | RGWCD |
| 2/25/2021 | -11.60 | 7566.93 | RGWCD |
| 3/23/2021 | -12.17 | 7567.50 | RGWCD |
| 4/21/2021 | -7.26 | 7562.59 | RGWCD |
| 5/19/2021 | -6.82 | 7562.15 | RGWCD |
| 6/24/2021 | 1.47 | 7553.86 | RGWCD |
| 7/14/2021 | No Measurement | - | RGWCD |
| 8/19/2021 | No Measurement | - | RGWCD |
| 9/21/2021 | 18.77 | 7536.56 | RGWCD |
| 10/29/2021 | 0.98 | 7554.35 | RGWCD |
| 11/24/2021 | -5.68 | 7561.01 | RGWCD |

| | | | |
|---|---|---|---|
| 12/22/2021 | -8.68 | 7564.01 | RGWCD |
| 1/31/2022 | -10.66 | 7565.99 | 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) |
| 1/31/2021 | No Measurement | - | RGWCD |
| 2/22/2021 | No Measurement | - | RGWCD |
| 3/23/2021 | No Measurement | - | RGWCD |
| 4/27/2021 | No Measurement | - | RGWCD |
| 5/25/2021 | No Measurement | - | RGWCD |
| 6/24/2021 | No Measurement | - | RGWCD |
| 7/12/2021 | No Measurement | - | RGWCD |
| 8/17/2021 | No Measurement | - | RGWCD |
| 9/16/2021 | No Measurement | - | RGWCD |
| 10/26/2021 | No Measurement | - | RGWCD |
| 11/23/2021 | No Measurement | - | RGWCD |
| 12/30/2021 | No Measurement | - | RGWCD |
| 1/31/2022 | 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) |
| 1/30/2021 | -1.11 | 7638.39 | RGWCD |
| 2/22/2021 | -1.12 | 7638.40 | RGWCD |
| 3/23/2021 | -1.16 | 7638.44 | RGWCD |
| 4/27/2021 | -0.81 | 7638.09 | RGWCD |
| 5/19/2021 | -0.30 | 7637.58 | RGWCD |
| 6/22/2021 | 0.34 | 7636.94 | RGWCD |
| 7/12/2021 | 0.76 | 7636.52 | RGWCD |
| 8/19/2021 | 1.78 | 7635.50 | RGWCD |
| 9/16/2021 | 2.94 | 7634.34 | RGWCD |
| 10/26/2021 | 2.31 | 7634.97 | RGWCD |
| 11/30/2021 | 1.50 | 7635.78 | RGWCD |
| 12/15/2021 | 1.05 | 7636.23 | RGWCD |
| 1/20/2022 | 0.68 | 7636.60 | 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) |
| 1/20/2021 | 28.64 | 7622.23 | RGWCD |
| 2/18/2021 | 27.37 | 7623.50 | RGWCD |

| | | | |
|---|---|---|---|
| 3/24/2021 | 27.63 | 7623.24 | RGWCD |
| 4/22/2021 | 27.19 | 7623.68 | RGWCD |
| 5/14/2021 | 29.27 | 7621.60 | RGWCD |
| 6/21/2021 | 27.99 | 7622.88 | RGWCD |
| 7/13/2021 | 32.24 | 7618.63 | RGWCD |
| 8/17/2021 | 33.79 | 7617.08 | RGWCD |
| 9/16/2021 | 31.86 | 7619.01 | RGWCD |
| 10/27/2021 | 30.14 | 7620.73 | RGWCD |
| 11/19/2021 | 28.97 | 7621.90 | RGWCD |
| 12/20/2021 | 28.21 | 7622.66 | RGWCD |
| 1/28/2022 | 27.83 | 7623.04 | 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) |
| 1/18/2021 | -38.46 | 7604.81 | RGWCD |
| 2/24/2021 | -39.50 | 7605.85 | RGWCD |
| 3/22/2021 | -39.848 | 7606.20 | RGWCD |
| 4/19/2021 | -40.78 | 7607.13 | RGWCD |
| 5/14/2021 | -40.78 | 7607.13 | RGWCD |
| 6/23/2021 | -31.19 | 7597.54 | RGWCD |
| 7/14/2021 | -31.185 | 7597.54 | RGWCD |
| 8/19/2021 | -27.44 | 7593.79 | RGWCD |
| 9/17/2021 | -30.45 | 7596.80 | RGWCD |
| 10/29/2021 | -36.60 | 7602.95 | RGWCD |
| 11/29/2021 | -38.84 | 7605.19 | RGWCD |
| 12/22/2021 | -39.91 | 7606.26 | RGWCD |
| 1/30/2022 | -41.52 | 7607.87 | 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) |
| 1/18/2021 | -40.50 | 7614.82 | RGWCD |
| 2/24/2021 | -42.08 | 7616.40 | RGWCD |
| 3/22/2021 | No Measurement | - | RGWCD |
| 4/19/2021 | -43.66 | 7617.98 | RGWCD |
| 5/14/2021 | -43.66 | 7617.98 | RGWCD |
| 6/23/2021 | -41.46 | 7615.78 | RGWCD |
| 7/14/2021 | -39.51 | 7613.83 | RGWCD |
| 8/19/2021 | -37.71 | 7612.03 | RGWCD |
| 9/17/2021 | -37.69 | 7612.01 | RGWCD |
| 10/29/2021 | -39.82 | 7614.14 | RGWCD |
| 11/29/2021 | -41.85 | 7616.17 | RGWCD |
| 12/22/2021 | -42.62 | 7616.94 | RGWCD |
| 1/30/2022 | -43.79 | 7618.11 | 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) |
| 1/20/2021 | 16.41 | 7618.90 | RGWCD |
| 2/18/2021 | 16.34 | 7618.97 | RGWCD |

| | | | |
|---|---|---|---|
| 3/24/2021 | 16.28 | 7619.03 | RGWCD |
| 4/22/2021 | 16.00 | 7619.31 | RGWCD |
| 5/14/2021 | 16.53 | 7618.78 | RGWCD |
| 6/21/2021 | 18.36 | 7616.95 | RGWCD |
| 7/13/2021 | 20.36 | 7614.95 | RGWCD |
| 8/17/2021 | No Measurement | - | RGWCD |
| 9/16/2021 | No Measurement | - | RGWCD |
| 10/27/2021 | 16.76 | 7618.55 | RGWCD |
| 11/19/2021 | 15.96 | 7619.35 | RGWCD |
| 12/20/2021 | 15.32 | 7619.99 | RGWCD |
| 1/28/2022 | 14.89 | 7620.42 | 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) |
| 1/30/2021 | No Measurement | - | RGWCD |
| 2/17/2021 | -5.79 | 7616.69 | RGWCD |
| 3/25/2021 | -6.637 | 7617.54 | RGWCD |
| 4/19/2021 | -6.89 | 7617.79 | RGWCD |
| 5/14/2021 | -5.27 | 7616.17 | RGWCD |
| 6/21/2021 | -5.22 | 7616.12 | RGWCD |
| 7/13/2021 | No Measurement | - | RGWCD |
| 8/17/2021 | No Measurement | - | RGWCD |
| 9/16/2021 | No Measurement | - | RGWCD |
| 10/27/2021 | -3.43 | 7614.33 | RGWCD |
| 11/19/2021 | -4.89 | 7615.79 | RGWCD |

| | | | |
|---|---|---|---|
| 12/21/2021 | -5.88 | 7616.78 | RGWCD |
| 1/29/2022 | | | 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) |
| 1/30/2021 | No Measurement | - | RGWCD |
| 2/17/2021 | -30.72 | 7615.21 | RGWCD |
| 3/25/2021 | -31.399 | 7615.89 | RGWCD |
| 4/19/2021 | -31.35 | 7615.84 | RGWCD |
| 5/14/2021 | -30.64 | 7615.13 | RGWCD |
| 6/21/2021 | -30.16 | 7614.65 | RGWCD |
| 7/13/2021 | -23.98 | 7608.47 | RGWCD |
| 8/17/2021 | -25.96 | 7610.45 | RGWCD |
| 9/16/2021 | -24.92 | 7609.41 | RGWCD |
| 10/27/2021 | -26.53 | 7611.02 | RGWCD |
| 11/19/2021 | -29.27 | 7613.76 | RGWCD |
| 12/21/2021 | -29.97 | 7614.46 | RGWCD |
| 1/29/2022 | No Measurement | - | RGWCD |
| *Preliminary Measurement | | | |
| | | | |
| **USGS 375009106021001, NA04200931CCC, RGWCD SAG 11** | | | |
| **SAG 11** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 1350.0 | 37.83583318 N | 106.03668950 W | 7582.21 |
| Confined Aquifer | | | |
| | | | |

| Date | Artesian Pressure Head Below Ground (ft.)* | Water Level Elevation (ft. NAVD88) | Data Source(s) |
|---|---|---|---|
| 1/18/2021 | -29.09 | 7610.30 | RGWCD |
| 2/24/2021 | -31.02 | 7612.23 | RGWCD |
| 3/22/2021 | -31.28 | 7612.49 | RGWCD |
| 4/19/2021 | -32.15 | 7613.36 | RGWCD |
| 5/20/2021 | -31.83 | 7613.04 | RGWCD |
| 6/23/2021 | -31.13 | 7612.34 | RGWCD |
| 7/14/2021 | -29.35 | 7610.56 | RGWCD |
| 8/20/2021 | -27.83 | 7609.04 | RGWCD |
| 9/16/2021 | -26.83 | 7608.04 | RGWCD |
| 10/29/2021 | -28.94 | 7610.15 | RGWCD |
| 11/30/2021 | -30.35 | 7611.56 | RGWCD |
| 12/17/2021 | -31.14 | 7612.35 | RGWCD |
| 1/29/2022 | No Measurement | - | 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) |
| 1/18/2021 | -23.17 | 7606.30 | RGWCD |
| 2/24/2021 | -23.96 | 7607.09 | RGWCD |
| 3/22/2021 | -24.45 | 7607.58 | RGWCD |
| 4/19/2021 | -24.94 | 7608.07 | RGWCD |
| 5/20/2021 | -25.07 | 7608.20 | RGWCD |
| 6/23/2021 | -23.42 | 7606.55 | RGWCD |
| 7/14/2021 | -22.32 | 7605.45 | RGWCD |
| 8/20/2021 | -22.63 | 7605.76 | RGWCD |
| 9/17/2021 | -22.64 | 7605.77 | RGWCD |

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|---|---|---|---|
| 10/29/2021 | -23.07 | 7606.20 | RGWCD |
| 11/30/2021 | -23.71 | 7606.84 | RGWCD |
| 12/17/2021 | -24.02 | 7607.15 | RGWCD |
| 1/30/2022 | No Measurement | - | RGWCD |
| *Preliminary Measurement | | | |
| | | | |

| **USGS 373450105592901, NA03900933ABA** | | | |
|---|---|---|---|
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 86.0 | 37.58871896 N | 105.98975942 W | 7593.61 |
| Unconfined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 1/30/2017 | 10.29 | 7583.32 | USGS |
| 1/30/2018 | 8.6 | 7585.01 | USGS |
| 1/15/2019 | 10.92 | 7582.69 | USGS |
| 1/15/2020 | 7.64 | 7585.97 | USGS |
| 1/27/2021 | 8.85 | 7584.78 | USGS |
| 1/25/2022 | 13.39 | 7580.22 | USGS |
| | | | |
| **USGS 373820105541501, NA03901008ABB** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 104.0 | 37.64725136 N | 105.90088300 W | 7567.84 |
| Confined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 1/30/2017 | 11.43 | 7556.41 | USGS |
| 1/30/2018 | 11.24 | 7556.6 | USGS |
| 1/15/2019 | 14.77 | 7553.07 | USGS |

| | | | |
|---|---|---|---|
| 1/15/2020 | 10.86 | 7556.98 | USGS |
| 1/27/2021 | 11.99 | 7555.85 | USGS |
| 1/25/2022 | 13.22 | 7554.62 | USGS |
| | | | |
| **USGS 373855105490901, NA03901001DDD1** | | | |
| **EW-32U** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 45.0 | 37.64852484 N | 105.81991496 W | 7542.15 |
| Unconfined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 1/15/2021 | 7.10 | 7535.05 | USBR |
| 2/15/2021 | 7.10 | 7535.05 | USBR |
| 3/15/2021 | 7.14 | 7535.01 | USBR |
| 4/15/2021 | 7.21 | 7534.94 | USBR |
| 5/15/2021 | 7.26 | 7534.89 | USBR |
| 6/15/2021 | 7.28 | 7534.87 | USBR |
| 7/15/2021 | 7.23 | 7534.92 | USBR |
| 8/15/2021 | 7.35 | 7534.80 | USBR |
| 9/15/2021 | 7.53 | 7534.62 | USBR |
| 10/15/2021 | 7.53 | 7534.62 | USBR |
| 11/15/2021 | 7.54 | 7534.61 | USBR |
| 12/15/2021 | 7.49 | 7534.66 | USBR |
| | | | |
| | | | |
| **USGS 373855105490902, NA03901001DDD2** | | | |
| **EW-32C** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 200.0 | 37.64852484 N | 105.81991496 W | 7542.15 |
| Confined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |

| | | | |
|---|---|---|---|
| 1/15/2021 | 8.46 | 7533.69 | USBR |
| 2/15/2021 | 8.28 | 7533.87 | USBR |
| 3/15/2021 | 8.13 | 7534.02 | USBR |
| 4/15/2021 | 8.32 | 7533.83 | USBR |
| 5/15/2021 | 8.72 | 7533.43 | USBR |
| 6/15/2021 | 9.00 | 7533.15 | USBR |
| 7/15/2021 | 9.82 | 7532.33 | USBR |
| 8/15/2021 | 10.04 | 7532.11 | USBR |
| 9/15/2021 | 10.84 | 7531.31 | USBR |
| 10/15/2021 | 9.80 | 7532.35 | USBR |
| 11/15/2021 | 9.50 | 7532.65 | USBR |
| 12/15/2021 | 9.07 | 7533.08 | USBR |
| | | | |
| **USGS 373950105534001, NA04001033BCB** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 135.0 | 37.67158430 N | 105.89138270 W | 7562.85 |
| Confined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 1/30/2017 | 12.42 | 7550.43 | USGS |
| 1/30/2018 | 12.44 | 7550.41 | USGS |
| 1/15/2019 | 15.37 | 7547.48 | USGS |
| 1/15/2020 | 12.36 | 7550.49 | USGS |
| 1/27/2021 | 13.58 | 7549.27 | USGS |
| 1/25/2022 | 15.38 | 7547.47 | USGS |
| | | | |
| **USGS 374002106021401, NA04000931BBC** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 86.0 | 37.67227880 N | 106.03871950 W | 7616.29 |
| Unconfined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |

| | | | |
|---|---|---|---|
| 1/30/2017 | 24.66 | 7591.63 | USGS |
| 1/30/2018 | 22.79 | 7593.5 | USGS |
| 1/15/2019 | 26.47 | 7589.82 | USGS |
| 1/15/2020 | 23.35 | 7592.94 | USGS |
| 1/27/2021 | 25.9 | 7590.39 | USGS |
| | | | |
| **USGS 374110105565501, NA04000924CCC** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 62.0 | 37.69111165 N | 105.94621710 W | 7579.96 |
| Unconfined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 1/21/2016 | No Measurement | - | USGS |
| | | | |
| **USGS 374224105493901, NA04001024BAA1** | | | |
| **EW-33U** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 45.0 | 37.70649518 N | 105.82779667 W | 7545.29 |
| Unconfined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 1/15/2021 | 22.64 | 7522.65 | USBR |
| 2/15/2021 | 22.46 | 7522.83 | USBR |
| 3/15/2021 | 22.34 | 7522.95 | USBR |
| 4/15/2021 | 22.22 | 7523.07 | USBR |
| 5/15/2021 | 22.24 | 7523.05 | USBR |
| 6/15/2021 | 22.46 | 7522.83 | USBR |
| 7/21/2021 | 22.83 | 7522.46 | USBR |
| 8/15/2021 | 23.09 | 7522.20 | USBR |
| 9/15/2021 | 23.45 | 7521.84 | USBR |
| 10/15/2021 | 23.55 | 7521.74 | USBR |
| 11/15/2021 | 23.35 | 7521.94 | USBR |

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|---|---|---|---|
| 12/15/2021 | 23.13 | 7522.16 | USBR |
| | | | |
| **USGS 374224105493902, NA04001024BAA2** | | | |
| **EW-33C** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 152.0 | 37.70649518 N | 105.82779667 W | 7545.29 |
| Confined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 1/15/2021 | 21.18 | 7523.93 | USBR |
| 2/15/2021 | 21.08 | 7524.11 | USBR |
| 3/15/2021 | 20.98 | 7524.21 | USBR |
| 4/15/2021 | 21.00 | 7524.31 | USBR |
| 5/15/2021 | 25.58 | 7524.29 | USBR |
| 6/15/2021 | 26.33 | 7519.71 | USBR |
| 7/21/2021 | 30.29 | 7518.96 | USBR |
| 8/15/2021 | 27.70 | 7515.00 | USBR |
| 9/15/2021 | 24.00 | 7517.59 | USBR |
| 10/15/2021 | 22.89 | 7521.29 | USBR |
| 11/15/2021 | 22.02 | 7522.40 | USBR |
| 12/15/2021 | 21.60 | 7523.27 | 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) |
| 1/25/2022 | 23.73 | 7527.13 | USGS |
| | | | |
| **USGS 374407105511601, NA04001010AAA1** | | | |
| **EW-35U** | | | |

| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
|---|---|---|---|
| 45.0 | 37.73525282 N | 105.85502763 W | 7548.76 |
| Unconfined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 1/15/2021 | 20.25 | 7528.51 | USBR |
| 2/15/2021 | 20.11 | 7528.65 | USBR |
| 3/15/2021 | 20.01 | 7528.75 | USBR |
| 4/15/2021 | 19.95 | 7528.81 | USBR |
| 5/15/2021 | 20.22 | 7528.54 | USBR |
| 6/15/2021 | 19.68 | 7529.08 | USBR |
| 7/15/2021 | 20.75 | 7528.01 | USBR |
| 7/21/2021 | 20.90 | 7527.86 | USBR |
| 8/15/2021 | 21.36 | 7527.40 | USBR |
| 9/15/2021 | 21.59 | 7527.17 | USBR |
| 10/15/2021 | 21.48 | 7527.28 | USBR |
| 11/15/2021 | 21.25 | 7527.51 | USBR |
| 12/15/2021 | 21.00 | 7527.76 | USBR |
| | | | |
| **USGS 374407105511602, NA04001010AAA2** | | | |
| **EW-35C** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 130.0 | 37.73525282 N | 105.85502763 W | 7548.76 |
| Confined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 1/15/2021 | 20 | 7528.76 | USBR |
| 2/15/2021 | 19.89 | 7528.87 | USBR |
| 3/15/2021 | 19.81 | 7528.95 | USBR |
| 4/15/2021 | 21.58 | 7527.18 | USBR |
| 5/15/2021 | 22.58 | 7526.18 | USBR |
| 6/15/2021 | 26.24 | 7522.52 | USBR |

| | | | |
|---|---|---|---|
| 7/21/2021 | 32.99 | 7515.77 | USBR |
| 8/15/2021 | 28.88 | 7519.88 | USBR |
| 9/15/2021 | 23.87 | 7524.89 | USBR |
| 10/15/2021 | 21.8 | 7526.96 | USBR |
| 11/15/2021 | 20.84 | 7527.92 | USBR |
| 12/15/2021 | 20.56 | 7528.20 | USBR |
| | | | |
| **USGS 373640106032002, NA03900824BBB2** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 77.0 | 37.61727967 N | 106.05749800 W | 7623.34 |
| Unconfined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 2/1/2017 | 15.24 | 7608.1 | USGS |
| 2/7/2018 | 12.73 | 7610.61 | USGS |
| 2/8/2019 | 18.57 | 7604.77 | USGS |
| 2/3/2020 | 14.80 | 7608.54 | USGS |
| 1/27/2021 | 18.36 | 7604.98 | USGS |
| 1/25/2022 | 18.91 | 7604.42 | USGS |
| | | | |
| **USGS 373828106071502, NA03900808ABB2** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 54.0 | 37.64708002 N | 106.12105186 W | 7660.77 |
| Unconfined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 2/1/2017 | 22.50 | 7638.27 | USGS |
| 2/7/2018 | 19.10 | 7641.67 | USGS |
| 2/7/2019 | 25.34 | 7635.43 | USGS |
| 2/3/2020 | 22.18 | 7638.59 | USGS |
| 1/27/2021 | 25.24 | 7635.53 | USGS |
| 1/25/2022 | 29.47 | 7631.30 | USGS |

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|---|---|---|---|
| **USGS 373830106094001, NA03900712BAB** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 42396.0 | 26.59 | 7667.79 | USGS |
| 43159.0 | 23.51 | 7670.87 | USGS |
| Unconfined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 1/27/2016 | 26.59 | 7667.79 | USGS |
| 3/29/2017 | 24.75 | 7669.63 | Divide Study |
| 2/7/2018 | 20.99 | 7673.39 | USGS |
| 2/28/2018 | 23.51 | 7670.87 | USGS |
| 2/7/2019 | 32.06 | 7662.32 | USGS |
| 2/3/2020 | 30.01 | 7664.37 | USGS |
| 1/27/2021 | 31.45 | 7662.93 | USGS |
| 1/25/2022 | 33.05 | 7661.33 | USGS |
| | | | |
| **USGS 373920106113001, NA03900703ABB** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 100.0 | 37.66029452 N | 106.19497384 W | 7726.4 |
| Unconfined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 2/1/2017 | 33.49 | 7692.91 | USGS |
| 2/7/2018 | 31.25 | 7695.15 | USGS |
| 2/7/2019 | 44.07 | 7682.33 | USGS |
| 2/3/2020 | 34.76 | 7691.64 | USGS |
| 1/27/2021 | 44.94 | 7681.46 | USGS |
| 1/25/2022 | 44.91 | 7681.49 | USGS |
| | | | |
| **USGS 373924106084801, NA03900806BBB** | | | |

| Well Depth (ft.) | Latitude (NAD83) | Longitude (NAD83) | Ground Elevation (ft. NAVD88) |
|---|---|---|---|
| 14.0 | 37.66108539 N | 106.14822280 W | 7684.6 |
| Unconfined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 2/1/2017 | 12.47 | 7672.13 | USGS |
| 2/7/2018 | 12.39 | 7672.21 | USGS |
| 2/7/2019 | 12.60 | 7672.00 | USGS |
| 2/3/2020 | 12.16 | 7672.44 | USGS |
| 4/6/2021 | 12.11 | 7672.49 | USGS |
| 1/25/2022 | 12.16 | 7672.44 | USGS |
| | | | |
| **USGS 374032106060202, NA04000828DBB2** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 42767.0 | 32.63 | 7618.87 | USGS |
| 43138.0 | 28.15 | 7623.35 | USGS |
| Unconfined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 1/27/2016 | 34.65 | 7616.85 | USGS |
| 2/1/2017 | 32.63 | 7618.87 | USGS |
| 2/7/2018 | 28.15 | 7623.35 | USGS |
| 2/7/2019 | 34.23 | 7617.27 | USGS |
| 2/3/2020 | 30.77 | 7620.73 | USGS |
| 4/6/2021 | 35.20 | 7616.30 | USGS |
| | | | |
| **USGS 374245106025501, NA04000813ABB1** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 60.0 | 37.71902825 N | 106.04766400 W | 7616.34 |
| Unconfined Aquifer | | | |
| | | | |

| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
|---|---|---|---|
| 2/1/2017 | 28.05 | 7588.29 | USGS |
| 2/7/2018 | 27.45 | 7589.29 | USGS |
| 2/7/2019 | 30.72 | 7585.62 | USGS |
| 2/3/2020 | 26.92 | 7589.42 | USGS |
| 4/6/2021 | 30.81 | 7585.53 | USGS |
| 1/25/2022 | 33.16 | 7583.18 | USGS |
| | | | |
| **USGS 374305106163701, NA04000614AAA** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 21.0 | 37.7191413 | 106.279449 | 7798.67 |
| Unconfined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 1/30/2013 | 20.52 | 7778.15 | USGS |
| 2/1/2017 | 20.8 | 7777.87 | USGS |
| | | | |
| **USGS 374350106025001, NA04000801DCC** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 70.0 | 37.73397250 N | 106.04746950 W | 7616.35 |
| Unconfined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 2/1/2017 | 27.83 | 7588.52 | USGS |
| 2/7/2018 | 28.02 | 7588.33 | USGS |
| 2/7/2019 | 31.22 | 7585.13 | USGS |
| 2/3/2020 | 28.49 | 7587.86 | USGS |
| 1/27/2021 | 31.25 | 7585.10 | USGS |
| 1/25/2022 | 33.42 | 7582.93 | USGS |
| | | | |
| **USGS 374415106063002, NA04000804BCC2** | | | |

| Well Depth (ft.) | Latitude (NAD83) | Longitude (NAD83) | Ground Elevation (ft. NAVD88) |
|---|---|---|---|
| 90.0 | 37.74166749 N | 106.11188800 W | 7645.53 |
| Unconfined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 2/1/2017 | 39.71 | 7605.82 | USGS |
| 2/7/2018 | 37.76 | 7607.77 | USGS |
| 2/7/2019 | 41.53 | 7604.00 | USGS |
| 2/3/2020 | 36.69 | 7608.84 | USGS |
| 1/27/2021 | 40.48 | 7605.05 | USGS |
| 1/25/2022 | 43.16 | 7602.37 | USGS |
| | | | |
| **USGS 374549105540201, NA04101032ABB1** | | | |
| **EW-40U** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 45.0 | 37.76367186 N | 105.90050172 W | 7555.25 |
| Unconfined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 1/15/2021 | 29.55 | 7525.70 | USBR |
| 2/15/2021 | 29.34 | 7525.91 | USBR |
| 3/15/2021 | 29.20 | 7526.05 | USBR |
| 4/15/2021 | 29.05 | 7526.20 | USBR |
| 5/15/2021 | 29.04 | 7526.21 | USBR |
| 6/15/2021 | 29.22 | 7526.03 | USBR |
| 7/22/2021 | 30.06 | 7525.19 | USBR |
| 8/15/2021 | 30.43 | 7524.82 | USBR |
| 9/15/2021 | 30.75 | 7524.50 | USBR |
| 10/15/2021 | 30.53 | 7524.72 | USBR |
| 11/15/2021 | 30.31 | 7524.94 | USBR |
| 12/15/2021 | 30.14 | 7525.11 | USBR |
| | | | |
| **USGS 374549105540202, NA04101032ABB2** | | | |

| EW-40C | | | |
|---|---|---|---|
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 140.0 | 37.76367186 N | 105.90050172 W | 7555.25 |
| Confined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 1/15/2021 | 29.13 | 7526.12 | USBR |
| 2/15/2021 | 28.96 | 7526.29 | USBR |
| 3/15/2021 | 28.77 | 7526.48 | USBR |
| 4/15/2021 | 28.81 | 7526.44 | USBR |
| 5/15/2021 | 29.27 | 7525.98 | USBR |
| 6/15/2021 | 32.26 | 7522.99 | USBR |
| 7/22/2021 | 37.63 | 7517.62 | USBR |
| 8/15/2021 | 35.81 | 7519.44 | USBR |
| 9/15/2021 | 31.30 | 7523.95 | USBR |
| 10/15/2021 | 30.55 | 7524.70 | USBR |
| 11/15/2021 | 30.13 | 7525.12 | USBR |
| 12/15/2021 | 30.02 | 7525.23 | USBR |
| | | | |
| **USGS 374630106010501, NA04100920CCC** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 112.0 | 37.77838865 N | 106.02046800 W | 7591.21 |
| Confined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 2/1/2017 | 28.59 | 7562.62 | USGS |
| 2/1/2018 | 29.54 | 7561.67 | USGS |
| 2/7/2019 | 33.36 | 7557.85 | USGS |
| 2/4/2020 | 33.00 | 7558.21 | USGS |
| 1/26/2021 | 36.81 | 7554.4 | USGS |
| 1/25/2022 | 38.61 | 7552.6 | USGS |
| | | | |

| USGS 374725106053003, NA04100815CCC3 | | | |
|---|---|---|---|
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 95.0 | 37.79202820 N | 106.09330340 W | 7622.46 |
| Unconfined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 2/1/2017 | 32.93 | 7589.53 | USGS |
| 2/1/2018 | 32.44 | 7590.02 | USGS |
| 2/7/2019 | 35.71 | 7586.75 | USGS |
| 2/4/2020 | 33.33 | 7589.13 | USGS |
| 1/26/2021 | 36.71 | 7585.75 | USGS |
| 1/25/2022 | 39.29 | 7583.17 | USGS |
| | | | |
| **USGS 374734105543501, NA04101018DDD1** | | | |
| **EW-41U** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 45.0 | 37.79284300 N | 105.91032426 W | 7554.95 |
| Unconfined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 1/15/2021 | 36.28 | 7518.67 | USBR |
| 2/15/2021 | 36.04 | 7518.91 | USBR |
| 3/15/2021 | 35.83 | 7519.12 | USBR |
| 4/15/2021 | 35.60 | 7519.35 | USBR |
| 5/15/2021 | 35.79 | 7519.16 | USBR |
| 6/15/2021 | 36.09 | 7518.86 | USBR |
| 7/14/2021 | 36.90 | 7518.05 | USBR |
| 8/15/2021 | 37.56 | 7517.39 | USBR |
| 9/15/2021 | 37.86 | 7517.09 | USBR |
| 10/15/2021 | 37.83 | 7517.12 | USBR |
| 11/15/2021 | 37.53 | 7517.42 | USBR |
| 12/15/2021 | 37.24 | 7517.71 | USBR |

| | | | |
|---|---|---|---|
| **USGS 374734105543502, NA04101018DDD2** | | | |
| **EW-41C** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| | 37.79284300 N | 105.91032426 W | 7554.95 |
| Confined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 1/15/2021 | 35.44 | 7519.51 | USBR |
| 2/15/2021 | 35.28 | 7519.67 | USBR |
| 3/15/2021 | 35.10 | 7519.85 | USBR |
| 4/15/2021 | 35.12 | 7519.83 | USBR |
| 5/15/2021 | 35.96 | 7518.99 | USBR |
| 6/15/2021 | 38.48 | 7516.47 | USBR |
| 7/14/2021 | 40.12 | 7514.83 | USBR |
| 8/15/2021 | 39.65 | 7515.30 | USBR |
| 9/15/2021 | 37.77 | 7517.18 | USBR |
| 10/15/2021 | 37.10 | 7517.85 | USBR |
| 11/15/2021 | 36.70 | 7518.25 | USBR |
| 12/15/2021 | 36.35 | 7518.60 | USBR |
| | | | |
| **USGS 374918105561401, NA04100901DCD1** | | | |
| **EW-48U** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 45.0 | 37.82160275 N | 105.93785390 W | 7559.88 |
| Unconfined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 1/15/2021 | 43.68 | 7516.20 | USBR |
| 2/15/2021 | 43.41 | 7516.47 | USBR |
| 3/15/2021 | 43.29 | 7516.59 | USBR |
| 4/15/2021 | 43.19 | 7516.69 | USBR |
| 5/15/2021 | 42.99 | 7516.89 | USBR |

| | | | |
|---|---|---|---|
| 6/15/2021 | 43.27 | 7516.61 | USBR |
| 7/15/2021 | 44.00 | 7515.88 | USBR |
| | | | |
| **USGS 374918105561402, NA04100901DCD2** | | | |
| **EW-48C** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 120.0 | 37.82160275 N | 105.93785390 W | 7559.88 |
| Confined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 1/15/2021 | 43.30 | 7516.58 | USBR |
| 2/15/2021 | 42.97 | 7516.91 | USBR |
| 3/15/2021 | 42.79 | 7517.09 | USBR |
| 4/15/2021 | 42.63 | 7517.25 | USBR |
| 5/15/2021 | 42.85 | 7517.03 | USBR |
| 6/15/2021 | 44.14 | 7515.74 | USBR |
| 7/15/2021 | 45.23 | 7514.65 | USBR |
| 8/15/2021 | 45.12 | 7514.76 | USBR |
| 9/15/2021 | 45.52 | 7514.36 | USBR |
| 10/15/2021 | 44.88 | 7515 | USBR |
| 11/15/2021 | 44.44 | 7515.44 | USBR |
| 12/15/2021 | 44.09 | 7515.79 | USBR |
| | | | |
| **USGS 375011105575401, NA04200934DDD1** | | | |
| **EW-49U** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 45.0 | 37.83609425 N | 105.96537466 W | 7560.23 |
| Unconfined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 1/15/2021 | 29.43 | 7530.80 | USBR |
| 2/15/2021 | 29.18 | 7531.05 | USBR |
| 3/15/2021 | 29.02 | 7531.21 | USBR |

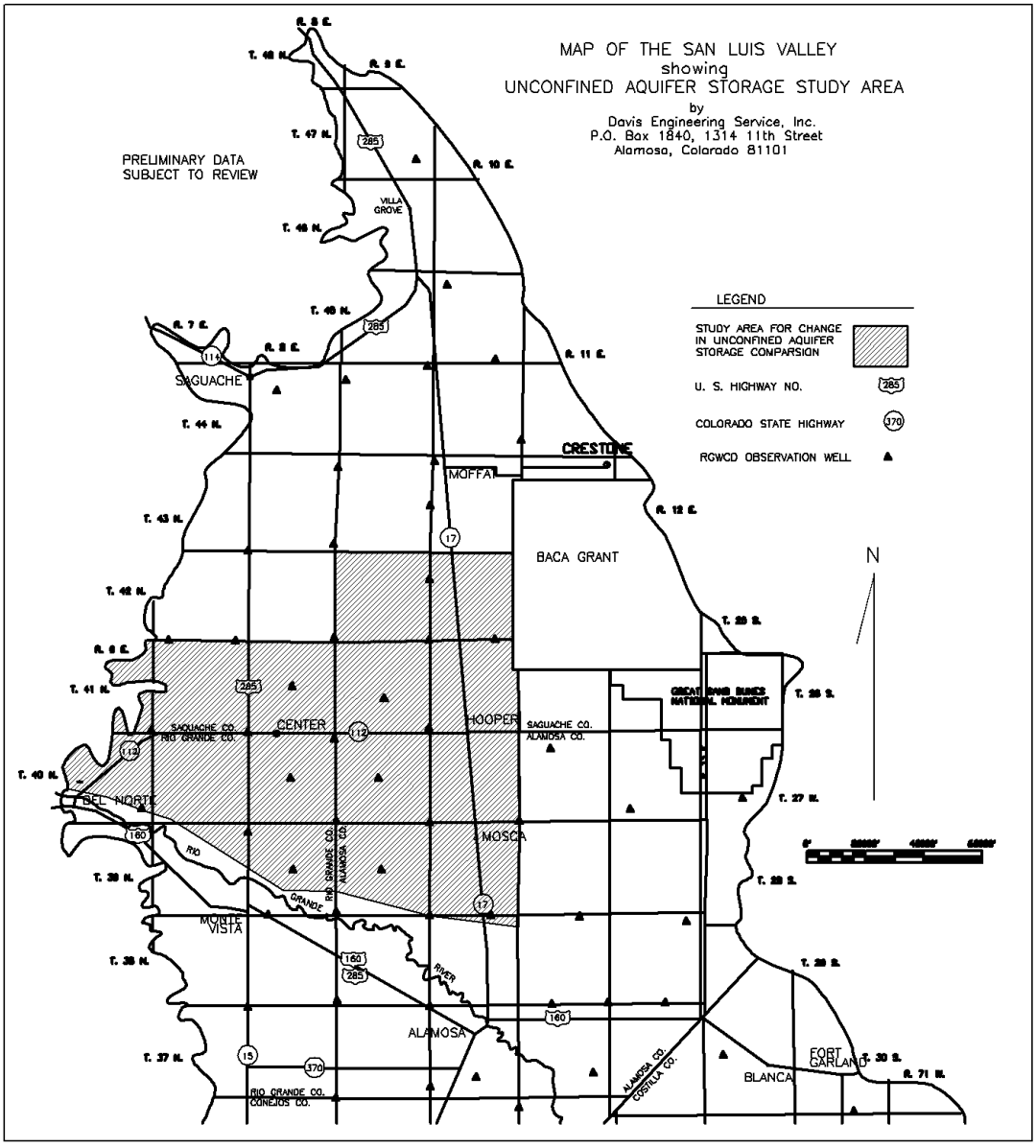
| | | | |
|---|---|---|---|
| 4/15/2021 | 28.84 | 7531.39 | USBR |
| 5/15/2021 | 28.80 | 7531.43 | USBR |
| 6/15/2021 | 29.22 | 7531.01 | USBR |
| 7/15/2021 | 30.08 | 7530.15 | USBR |
| 8/24/2021 | 31.01 | 7529.22 | USBR |
| 9/15/2021 | 31.25 | 7528.98 | USBR |
| 10/15/2021 | 31.10 | 7529.13 | USBR |
| 11/15/2021 | 30.87 | 7529.36 | USBR |
| 12/15/2021 | 30.50 | 7529.73 | USBR |
| | | | |
| **USGS 375011105575402, NA04200934DDD2** | | | |
| **EW-49C** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 120.0 | 37.83609425 N | 105.96537466 W | 7560.23 |
| Confined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 1/15/2021 | 29.4 | 7530.83 | USBR |
| 2/15/2021 | 29.18 | 7531.05 | USBR |
| 3/15/2021 | 29.02 | 7531.21 | USBR |
| 4/15/2021 | 28.84 | 7531.39 | USBR |
| 5/15/2021 | 28.87 | 7531.36 | USBR |
| 6/15/2021 | 29.57 | 7530.66 | USBR |
| 7/15/2021 | 30.98 | 7529.25 | USBR |
| 8/24/2021 | 31.92 | 7528.31 | USBR |
| 9/15/2021 | 31.67 | 7528.56 | USBR |
| 10/15/2021 | 31.15 | 7529.08 | USBR |
| 11/15/2021 | 30.76 | 7529.47 | USBR |
| 12/15/2021 | 30.43 | 7529.80 | USBR |
| | | | |
| **USGS 375100105554201, NA04200936AAA1** | | | |
| **EW-50U** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 45.0 | 37.85032119 N | 105.92892777 W | 7550.93 |

| Unconfined Aquifer | | | |
|---|---|---|---|
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 1/15/2021 | 33.60 | 7517.33 | USBR |
| 2/15/2021 | 33.37 | 7517.56 | USBR |
| 3/15/2021 | 33.17 | 7517.76 | USBR |
| 4/15/2021 | 32.95 | 7517.98 | USBR |
| 5/15/2021 | 32.96 | 7517.97 | USBR |
| 6/15/2021 | 33.20 | 7517.73 | USBR |
| 7/21/2021 | 33.83 | 7517.1 | USBR |
| 8/15/2021 | 34.19 | 7516.74 | USBR |
| 9/15/2021 | 34.33 | 7516.6 | USBR |
| 10/15/2021 | 34.17 | 7516.76 | USBR |
| 11/15/2021 | 33.95 | 7516.98 | USBR |
| 12/15/2021 | 33.70 | 7517.23 | USBR |
| | | | |
| **USGS 375100105554202, NA04200936AAA2** | | | |
| **EW-50C** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 123.0 | 37.85032119 N | 105.92892777 W | 7550.93 |
| Confined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 1/15/2021 | 31.64 | 7519.29 | USBR |
| 2/15/2021 | 31.31 | 7519.62 | USBR |
| 3/15/2021 | 31.05 | 7519.88 | USBR |
| 4/15/2021 | 32.91 | 7518.02 | USBR |
| 5/15/2021 | 33.32 | 7517.61 | USBR |
| 6/15/2021 | 38.52 | 7512.41 | USBR |
| 7/15/2021 | 39.64 | 7511.29 | USBR |
| 7/21/2021 | 41.22 | 7509.71 | USBR |
| 8/15/2021 | 37.29 | 7513.64 | USBR |
| 9/15/2021 | 34.20 | 7516.73 | USBR |
| 10/15/2021 | 32.67 | 7518.26 | USBR |

| | | | |
|---|---|---|---|
| 11/15/2021 | 32.22 | 7518.71 | USBR |
| 12/15/2021 | 31.81 | 7519.12 | USBR |
| | | | |
| **USGS 375155106105501, NA04200723CCC** | | | |
| **Well Depth (ft.)** | **Latitude (NAD83)** | **Longitude (NAD83)** | **Ground Elevation (ft. NAVD88)** |
| 130.0 | 37.86658420 N | 106.18291630 W | 7645.61 |
| Confined Aquifer | | | |
| | | | |
| Date | Depth to Water Below Ground (ft.) | Water Level Elevation (ft. NAVD88) | Data Source(s) |
| 2/1/2017 | 20.6 | 7625.01 | USGS |
| 2/7/2018 | 20.44 | 7625.17 | USGS |
| 2/7/2019 | 25.90 | 7619.71 | USGS |
| 2/4/2020 | 22.91 | 7622.70 | USGS |
| 1/26/2021 | 26.41 | 7619.20 | USGS |
| 1/25/2022 | 26.11 | 7619.50 | USGS |
| | | | |

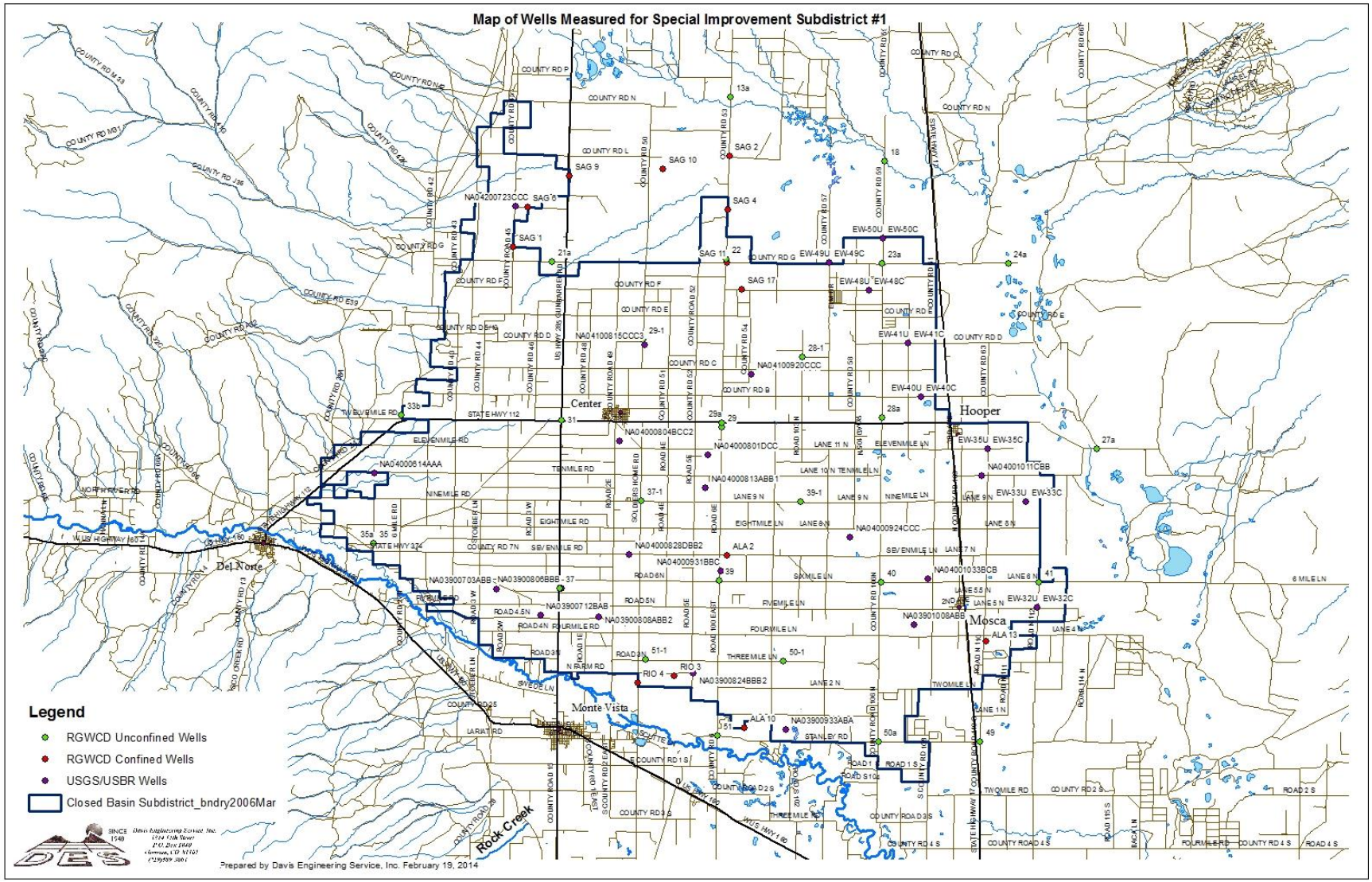
# APPENDIX E

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

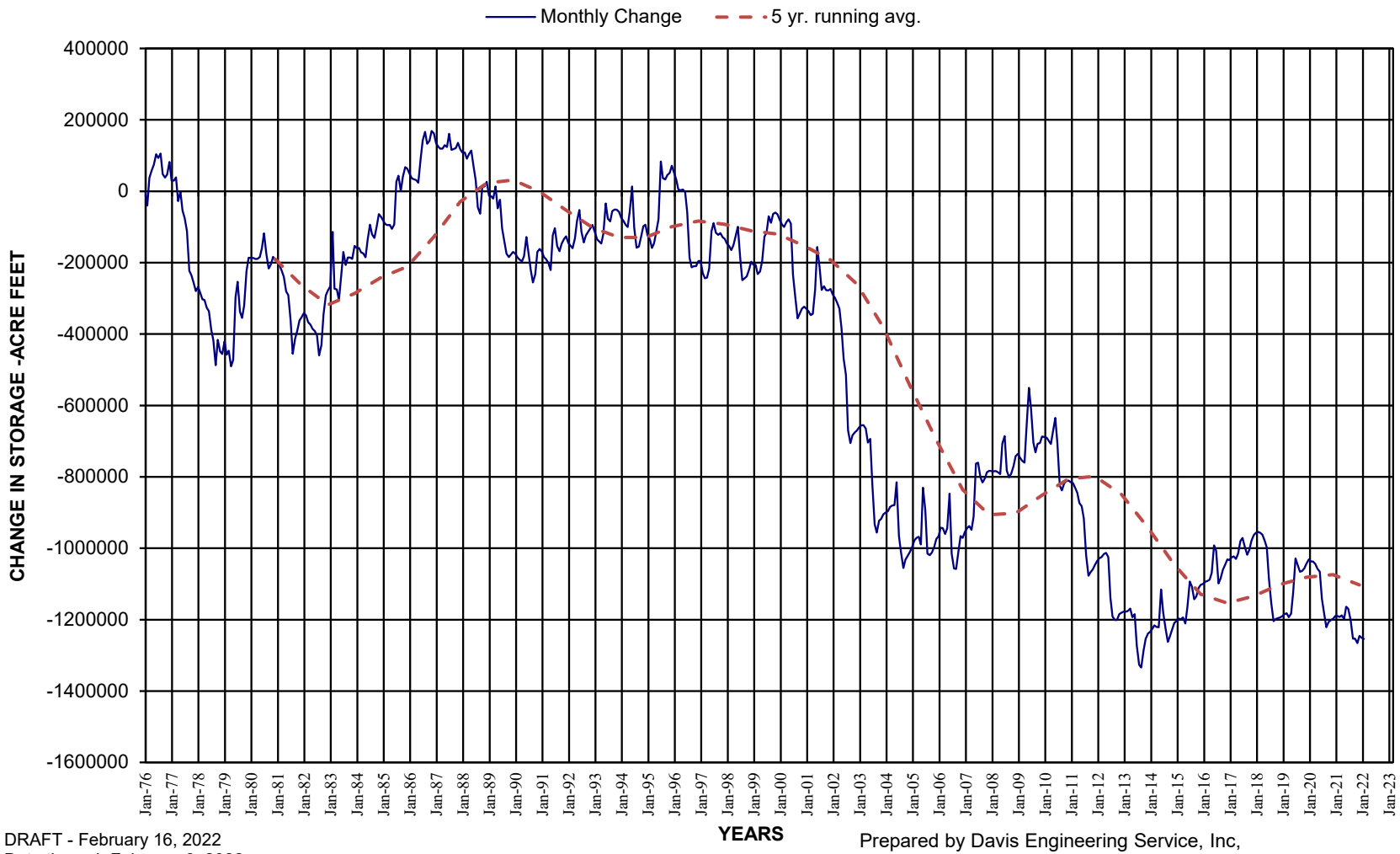



EXPLANATION

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.


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
Del Norte
Monte Vista
Mosca
Rock Creek

## CHANGE IN UNCONFINED AQUIFER STORAGE
## WEST CENTRAL SAN LUIS VALLEY




DRAFT - February 16, 2022
Data through February 8, 2022

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 | | | |
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| 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 | | | |
| 2/1/2005 | 17374.52 | -978341.37 | | | |
| 3/1/2005 | 7340.11 | -971001.26 | | | |
| 4/1/2005 | 3156.95 | -967844.31 | | | |
| 5/1/2005 | -21732.21 | -989576.52 | | | |
| 6/1/2005 | 159825.97 | -829750.55 | | | |
| 7/1/2005 | -63380.13 | -893130.68 | | | |
| 8/1/2005 | -121593.83 | -1014724.51 | | | |
| 9/1/2005 | -4804.71 | -1019529.22 | | | |
| 10/1/2005 | 7263.26 | -1012265.96 | | | |
| 11/1/2005 | 16022.88 | -996243.08 | | | |
| 12/1/2005 | 21879.74 | -974363.34 | 12/1/2005 | -970207.22 | **-697460.38** |
| 1/1/2006 | 8467.09 | -965896.25 | | | |
| 2/1/2006 | 23767.44 | -942128.81 | | | |
| 3/1/2006 | -1491.65 | -943620.46 | | | |
| 4/1/2006 | -16435.25 | -960055.71 | | | |
| 5/1/2006 | 16343.81 | -943711.90 | | | |
| 6/1/2006 | 96603.51 | -847108.39 | | | |
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| 8/1/2006 | -41242.97 | -1056567.48 | | | |
| 9/1/2006 | -1189.72 | -1057757.20 | | | |

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|---|---|---|---|---|---|
| 10/1/2006 | 44437.54 | -1013319.66 | | | |
| 11/1/2006 | 47462.53 | -965857.13 | | | |
| 12/1/2006 | -5059.36 | -970916.49 | 12/1/2006 | -973522.00 | **-836000.09** |
| 1/1/2007 | 17497.47 | -953419.02 | | | |
| 2/1/2007 | 10684.96 | -942734.06 | | | |
| 3/1/2007 | 4716.15 | -938017.91 | | | |
| 4/1/2007 | -10357.72 | -948375.63 | | | |
| 5/1/2007 | 37378.85 | -910996.78 | | | |
| 6/1/2007 | 148098.95 | -762897.83 | | | |
| 7/1/2007 | 2673.41 | -760224.42 | | | |
| 8/1/2007 | -40665.2 | -800889.62 | | | |
| 9/1/2007 | -14487.96 | -815377.58 | | | |
| 10/1/2007 | 10756.19 | -804621.39 | | | |
| 11/1/2007 | 17533.59 | -787087.80 | | | |
| 12/1/2007 | 4140.52 | -782947.28 | 12/1/2007 | -850632.44 | **-906174.99** |
| 1/1/2008 | -558.03 | -783505.31 | | | |
| 2/1/2008 | -920.96 | -784426.27 | | | |
| 3/1/2008 | 883.57 | -783542.70 | | | |
| 4/1/2008 | -3733.84 | -787276.54 | | | |
| 5/1/2008 | -5042.68 | -792319.22 | | | |
| 6/1/2008 | 85716.75 | -706602.47 | | | |
| 7/1/2008 | 20827.55 | -685774.92 | | | |
| 8/1/2008 | -96844.2 | -782619.12 | | | |
| 9/1/2008 | -18701.67 | -801320.79 | | | |
| 10/1/2008 | 10570.93 | -790749.86 | | | |
| 11/1/2008 | 20606.64 | -770143.22 | | | |
| 12/1/2008 | 28328.87 | -741814.35 | 12/1/2008 | -767507.89 | **-901530.41** |
| 1/1/2009 | 6692.11 | -735122.24 | | | |
| 2/1/2009 | -11460.48 | -746582.72 | | | |
| 3/1/2009 | -8478.4 | -755061.12 | | | |
| 4/1/2009 | -5237.78 | -760298.90 | | | |
| 5/1/2009 | 103562.53 | -656736.37 | | | |
| 6/1/2009 | 105885.55 | -550850.82 | | | |
| 7/1/2009 | -59264.24 | -610115.06 | | | |
| 8/1/2009 | -93863.57 | -703978.63 | | | |
| 9/1/2009 | -27478.64 | -731457.27 | | | |
| 10/1/2009 | 24175.47 | -707281.80 | | | |
| 11/1/2009 | 2048.67 | -705233.13 | | | |
| 12/1/2009 | 18423.75 | -686809.38 | 12/1/2009 | -695793.95 | **-851532.70** |
| 1/1/2010 | -1372.66 | -688182.04 | | | |
| 2/1/2010 | -2055.79 | -690237.83 | | | |
| 3/1/2010 | -7606.29 | -697844.12 | | | |
| 4/1/2010 | -10297.84 | -708141.96 | | | |
| 5/1/2010 | 35668.58 | -672473.38 | | | |
| 6/1/2010 | 37436.04 | -635037.34 | | | |
| 7/1/2010 | -72125.58 | -707162.92 | | | |
| 8/1/2010 | -117100.01 | -824262.93 | | | |
| 9/1/2010 | -13939.55 | -838202.48 | | | |

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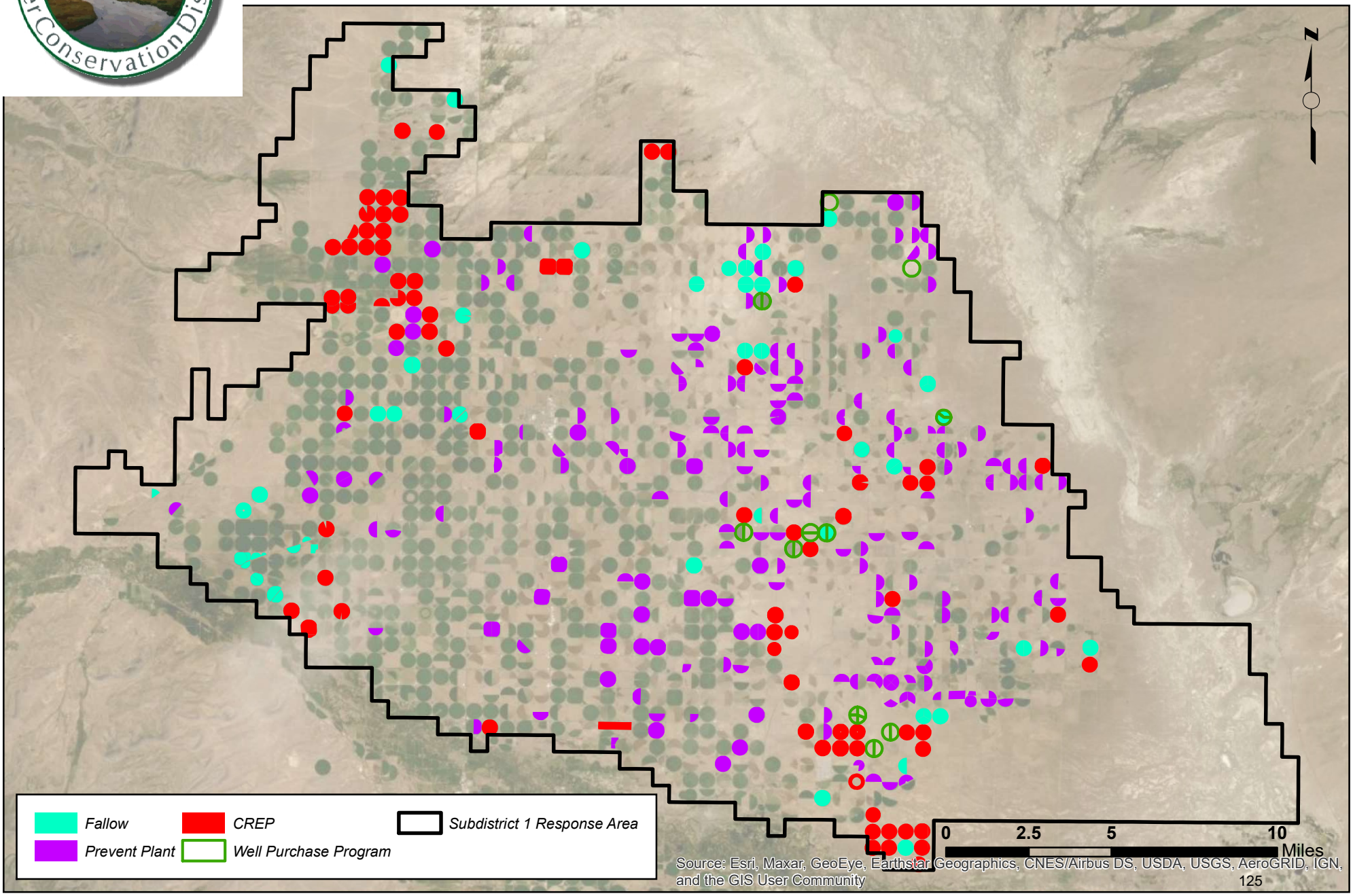
|---|---|---|---|---|---|
| 10/1/2010 | 19817.65 | -818384.83 | | | |
| 11/1/2010 | 6709.59 | -811675.24 | | | |
| 12/1/2010 | 1420.29 | -810254.95 | 12/1/2010 | -741821.67 | **-805855.59** |
| 1/1/2011 | -4572.83 | -814827.78 | | | |
| 2/1/2011 | -2951.3 | -817779.08 | | | |
| 3/1/2011 | -13185.29 | -830964.37 | | | |
| 4/1/2011 | -13352.76 | -844317.13 | | | |
| 5/1/2011 | -28989.29 | -873306.42 | | | |
| 6/1/2011 | -8915.73 | -882222.15 | | | |
| 7/1/2011 | -34141.06 | -916363.21 | | | |
| 8/1/2011 | -103775.94 | -1020139.15 | | | |
| 9/1/2011 | -56543.67 | -1076682.82 | | | |
| 10/1/2011 | 9783.57 | -1066899.25 | | | |
| 11/1/2011 | 8527.67 | -1058371.58 | | | |
| 12/1/2011 | 12468.04 | -1045903.54 | 12/1/2011 | -937314.70 | **-798614.13** |
| 1/1/2012 | 10139.85 | -1035763.69 | | | |
| 2/1/2012 | 7692.68 | -1028071.01 | | | |
| 3/1/2012 | 3288.92 | -1024782.09 | | | |
| 4/1/2012 | 8764.00 | -1016018.09 | | | |
| 5/1/2012 | 3228.14 | -1012789.95 | | | |
| 6/1/2012 | -12012.86 | -1024802.81 | | | |
| 7/1/2012 | -113987.8 | -1138790.61 | | | |
| 8/1/2012 | -52169.42 | -1190960.03 | | | |
| 9/1/2012 | -9800.85 | -1200760.88 | | | |
| 10/1/2012 | 59.7 | -1200701.18 | | | |
| 11/1/2012 | 16069.69 | -1184631.49 | | | |
| 12/1/2012 | 3760.2 | -1180871.29 | 12/1/2012 | -1103245.26 | **-849136.694** |
| 1/1/2013 | 3245.77 | -1177625.52 | | | |
| 2/1/2013 | 228.52 | -1177397.00 | | | |
| 3/1/2013 | 1949.97 | -1175447.03 | | | |
| 4/1/2013 | 6315.35 | -1169131.68 | | | |
| 5/1/2013 | -24274.05 | -1193405.73 | | | |
| 6/1/2013 | 9067.54 | -1184338.19 | | | |
| 7/1/2013 | -88268.6 | -1272606.79 | | | |
| 8/1/2013 | -53644.93 | -1326251.72 | | | |
| 9/1/2013 | -7574.99 | -1333826.71 | | | |
| 10/1/2013 | 47639.79 | -1286186.92 | | | |
| 11/1/2013 | 32671.44 | -1253515.48 | | | |
| 12/1/2013 | 14398.81 | -1239116.67 | 12/1/2013 | -1232404.12 | **-942115.9385** |
| 1/1/2014 | 4636.04 | -1234480.63 | | | |
| 2/1/2014 | 9647.35 | -1224833.28 | | | |
| 3/1/2014 | 8879.5 | -1215953.78 | | | |
| 4/1/2014 | -4738.2 | -1220691.98 | | | |
| 5/1/2014 | -252.69 | -1220944.67 | | | |
| 6/1/2014 | 105422.16 | -1115522.51 | | | |
| 7/1/2014 | -64054.16 | -1179576.67 | | | |
| 8/1/2014 | -44324.11 | -1223900.78 | | | |
| 9/1/2014 | -38486.1 | -1262386.88 | | | |

| | | | | | |
|---|---|---|---|---|---|
| 10/1/2014 | 15986.54 | -1246400.34 | | | |
| 11/1/2014 | 17987.62 | -1228412.72 | | | |
| 12/1/2014 | 19637.89 | -1208774.83 | 12/1/2014 | -1215156.59 | **-1045988.466** |
| 1/1/2015 | 4463.83 | -1204311.00 | | | |
| 2/1/2015 | 7525.9 | -1196785.10 | | | |
| 3/1/2015 | -2268.91 | -1199054.01 | | | |
| 4/1/2015 | 5252.37 | -1193801.64 | | | |
| 5/1/2015 | -17079.89 | -1210881.53 | | | |
| 6/1/2015 | 46968.2 | -1163913.33 | | | |
| 7/1/2015 | 70787.84 | -1093125.49 | | | |
| 8/1/2015 | -14081.4 | -1107206.89 | | | |
| 9/1/2015 | -35710.56 | -1142917.45 | | | |
| 10/1/2015 | 7664.86 | -1135252.59 | | | |
| 11/1/2015 | 24656.14 | -1110596.45 | | | |
| 12/1/2015 | 8471.54 | -1102124.91 | 12/1/2015 | -1154997.53 | **-1128623.638** |
| 1/1/2016 | 2410.03 | -1099714.88 | | | |
| 2/1/2016 | 5580.02 | -1094134.86 | | | |
| 3/1/2016 | 2206.74 | -1091928.12 | | | |
| 4/1/2016 | 3956.31 | -1087971.81 | | | |
| 5/1/2016 | 19093.79 | -1068878.02 | | | |
| 6/1/2016 | 77118.18 | -991759.84 | | | |
| 7/1/2016 | -15554.33 | -1007314.17 | | | |
| 8/1/2016 | -91391.73 | -1098705.90 | | | |
| 9/1/2016 | 13871.48 | -1084834.42 | | | |
| 10/1/2016 | 25067 | -1059767.42 | | | |
| 11/1/2016 | 12824.62 | -1046942.80 | | | |
| 12/1/2016 | 15881.49 | -1031061.31 | 12/1/2016 | -1063584.46 | **-1153877.59** |
| 1/1/2017 | -1794.2 | -1032855.51 | | | |
| 2/1/2017 | 7475.23 | -1025380.28 | | | |
| 3/1/2017 | 2728.59 | -1022651.69 | | | |
| 4/1/2017 | -7472.02 | -1030123.71 | | | |
| 5/1/2017 | 15197.28 | -1014926.43 | | | |
| 6/1/2017 | 35022.12 | -979904.31 | | | |
| 7/1/2017 | 8517.89 | -971386.42 | | | |
| 8/1/2017 | -25064.01 | -996450.43 | | | |
| 9/1/2017 | -21776.23 | -1018226.66 | | | |
| 10/1/2017 | 13056.96 | -1005169.70 | | | |
| 11/1/2017 | 25848.52 | -979321.18 | | | |
| 12/1/2017 | 16004.12 | -963317.06 | 12/1/2017 | -1003309.45 | **-1133890.427** |
| 1/1/2018 | 6818.82 | -956498.24 | | | |
| 2/1/2018 | 2077.39 | -954420.85 | | | |
| 3/1/2018 | -2343.35 | -956764.20 | | | |
| 4/1/2018 | -4934.9 | -961699.10 | | | |
| 5/1/2018 | -17130.05 | -978829.15 | | | |
| 6/1/2018 | -19227.23 | -998056.38 | | | |
| 7/1/2018 | -86519.19 | -1084575.57 | | | |
| 8/1/2018 | -68425.59 | -1153001.16 | | | |
| 9/1/2018 | -51271.09 | -1204272.25 | | | |

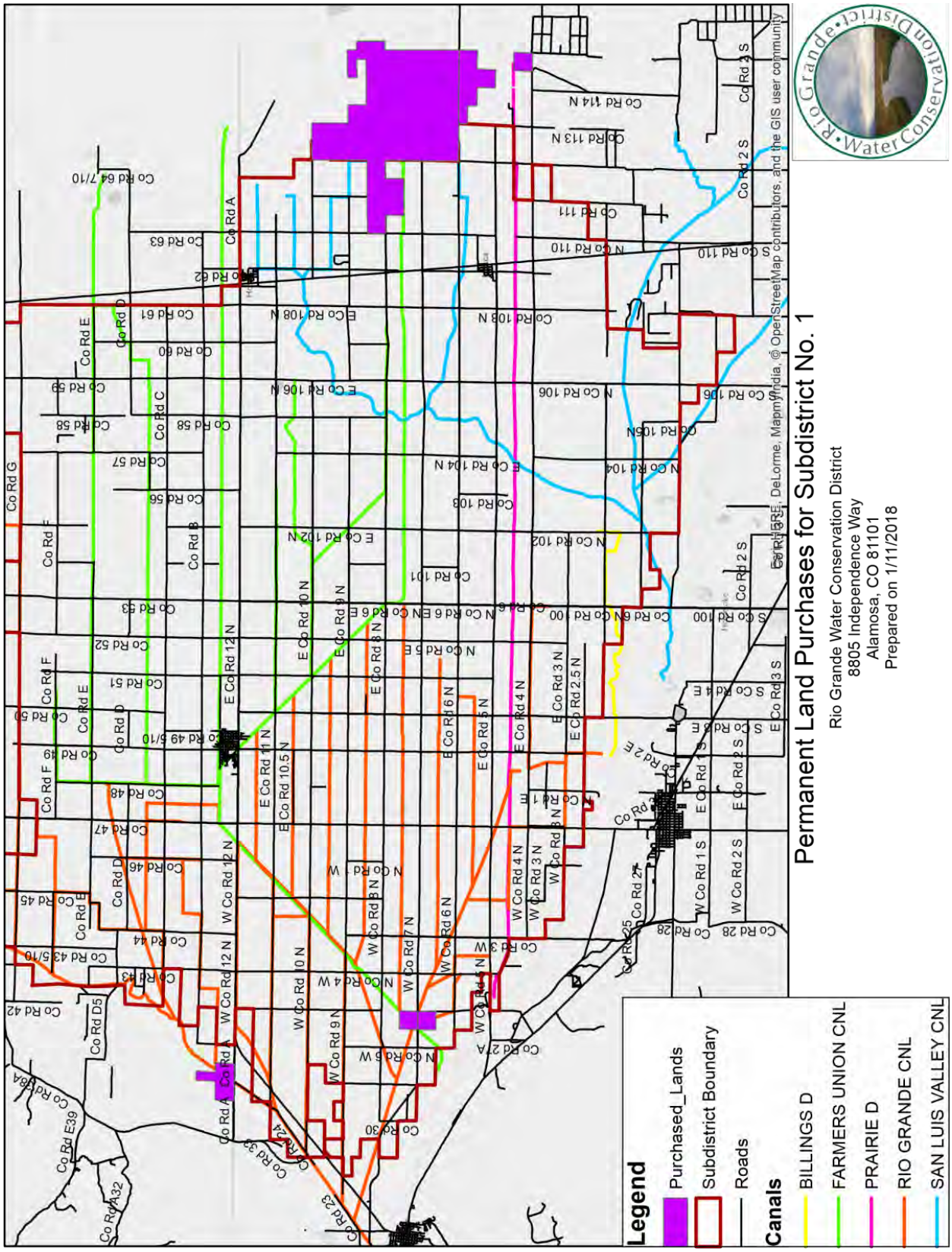
| | | | | | |
|---|---|---|---|---|---|
| 10/1/2018 | 5755.53 | -1198516.72 | | | |
| 11/1/2018 | 2897.75 | -1195618.97 | | | |
| 12/1/2018 | 1974.19 | -1193644.78 | 12/1/2018 | -1069658.11 | **-1101341.226** |
| 1/1/2019 | 4027.82 | -1189616.96 | | | |
| 2/1/2019 | 5204.3 | -1184412.66 | | | |
| 3/1/2019 | 2304.92 | -1182107.74 | | | |
| 4/1/2019 | -11204.73 | -1193312.47 | | | |
| 5/1/2019 | 10141.25 | -1183171.22 | | | |
| 6/1/2019 | 59859.41 | -1123311.81 | | | |
| 7/1/2019 | 94454.99 | -1028856.82 | | | |
| 8/1/2019 | -17372.66 | -1046229.48 | | | |
| 9/1/2019 | -19833.44 | -1066062.92 | | | |
| 10/1/2019 | 2215.65 | -1063847.27 | | | |
| 11/1/2019 | 8022.29 | -1055824.98 | | | |
| 12/1/2019 | 12847.84 | -1042977.14 | 12/1/2019 | -1113310.95 | **-1080972.099** |
| 1/1/2020 | 11785.95 | -1031191.19 | | | |
| 2/1/2020 | -5989.55 | -1037180.74 | | | |
| 3/1/2020 | 2.13 | -1037178.61 | | | |
| 4/1/2020 | -6929.88 | -1044108.49 | | | |
| 5/1/2020 | -13185.98 | -1057294.47 | | | |
| 6/1/2020 | -8759.81 | -1066054.28 | | | |
| 7/1/2020 | -75408.15 | -1141462.43 | | | |
| 8/1/2020 | -43214.68 | -1184677.11 | | | |
| 9/1/2020 | -36764.6 | -1221441.71 | | | |
| 10/1/2020 | 15045.82 | -1206395.89 | | | |
| 11/1/2020 | 4542.87 | -1201853.02 | | | |
| 12/1/2020 | 3935.39 | -1197917.63 | 12/1/2020 | -1118896.29 | **-1073751.852** |
| 1/1/2021 | 8038.3 | -1189879.33 | | | |
| 2/1/2021 | -126.6 | -1190005.89 | | | |
| 3/1/2021 | -2258.46 | -1192264.35 | | | |
| 4/1/2021 | 4566.95 | -1187697.40 | | | |
| 5/1/2021 | -10911.34 | -1198608.74 | | | |
| 6/1/2021 | 34793.55 | -1163815.19 | | | |
| 7/1/2021 | -6066.57 | -1169881.76 | | | |
| 8/1/2021 | -31266.84 | -1201148.60 | | | |
| 9/1/2021 | -52309.37 | -1253457.97 | | | |
| 10/1/2021 | 531.45 | -1252926.52 | | | |
| 11/1/2021 | -12680.91 | -1265607.43 | | | |
| 12/1/2021 | 20196.97 | -1245410.46 | 12/1/2021 | -1209225.31 | **-1102880.022** |
| 1/1/2022 | -5546.95 | -1250957.41 | | | |
| 2/1/2022 | -2966.79 | -1253924.20 | | | |
| | | | | | |

# APPENDIX F

## Subdistrict 1 Conservation Programs 2021



# 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
Legend
Purchased_Lands
Subdistrict Boundary
Roads
Canals
BILLINGS D
FARMERS UNION CNL
PRAIRIE D
RIO GRANDE CNL
SAN LUIS VALLEY CNL

# APPENDIX H

**RIO GRANDE COMPACT**
**November 9, 2021 Analysis (DWR Forecast)**
**Closed Basin Project Split: 60/40**

## RIO GRANDE BASIN

**April - September Index Flows = 380,600**

**J-M & O-D volume 69,400**

**Obligation = 112,000**

**Index Supply**

| | | | | |
|---|---|---|---|---|
| January | 8,300 | * | | |
| February | 8,500 | * | | |
| March | 13,400 | * | | |
| April | 39,800 | * | | |
| May | 144,300 | * | | |
| June | 123,300 | * | | |
| July | 36,400 | * | **592** | cfs avg |
| August | 23,500 | * | **382** | cfs avg |
| September | 13,300 | * | **224** | cfs avg |
| October | 16,900 | * | **275** | cfs avg |
| November - December | 22,300 | estimate | **184** | cfs avg |
| Total | 450,000 | | **69%** | of normal |

**Deliveries**

| | | |
|---|---|---|
| January | 9,600 | * |
| February | 11,000 | * |
| March | 14,800 | * |
| April | 6,000 | * |
| May | 11,500 | * |
| June | 14,700 | * |
| July | 4,500 | * |
| August | 4,700 | * |
| September | 3,600 | * |
| October | 4,800 | * |
| Nov - Dec native | 22,600 | estimate |
| Total | 107,800 | |

| | | | |
|---|---|---|---|
| Adjustments to the Delivery | Net Carryover Credit in E.B. | - | estimate |
| | Paper Credit | 5,000 | |
| | SC Norton Drain Flow | (2,000) | estimate |
| | Remaining CBP Share | 1,200 | estimate |
| | Delivery Credit | 112,000 | |

**Expected Dec. 31, 2021 Compact Delivery Status 0**

*** = Actual measured flows (Deliveries include Closed Basin Project share)**
- **All values in acre-feet**
- **Assumes 60% of the Closed Basin Project flows are creditable to the Rio Grande (Projected delivery of creditable CBP production to the Rio Grande is 8,500 acre-feet)**
- **Asssumes no recharge diversions after November 1, 2021**
- **Trinchera Creek flow to the Rio Grande will increase delivery**

**RIO GRANDE COMPACT**
**November 9, 2021 Analysis (DWR Estimate 225,000 A-F)**
**Closed Basin Project Split: 60/40**

## CONEJOS RIVER BASIN

**April - September Index Flows = 205,700**

**J-M & O-D volume 19,300**

**Obligation = 60,000**

**Index Supply**

| | | | | |
|---|---|---|---|---|
| January | 2,100 | * | | |
| February | 2,600 | * | | |
| March | 4,800 | * | | |
| April | 34,000 | * | | |
| May | 94,800 | * | | |
| June | 52,500 | * | | |
| July | 13,700 | * | 223 | cfs avg |
| August | 7,500 | * | 122 | cfs avg |
| September | 3,200 | * | 54 | cfs avg |
| October | 5,800 | * | 94 | cfs avg |
| November - December | 4,000 | estimate | 33 | cfs avg |
| Total | 225,000 | | 75% | of normal |

**Deliveries**

| | | |
|---|---|---|
| January | 3,200 | * |
| February | 3,800 | * |
| March | 6,100 | * |
| April | 5,700 | * |
| May | 13,000 | * |
| June | 8,300 | * |
| July | 3,400 | * |
| August | 2,000 | * |
| September | 400 | * |
| October | 600 | * |
| Nov - Dec native | 4,700 | estimate |
| Total | 51,200 | |

| | | | |
|---|---|---|---|
| Adjustments to the Delivery | Net Carryover Credit in E.B. | 1,000 | estimate |
| | Paper Credit | 5,000 | |
| | SC Norton Drain Flow | 2,000 | estimate |
| | Remaining CBP Share | 800 | estimate |
| | Delivery Credit | 60,000 | |

**Expected Dec. 31, 2021 Compact Delivery Status 0**

*** = Actual measured flows (Deliveries include Closed Basin Project share)**
- **All values in acre-feet**
- **Assumes 40% of the Closed Basin Project flows are creditable to the Conejos (Projected delivery of creditable CBP production to the Rio Grande is 8,500 acre-feet)**

# APPENDIX I

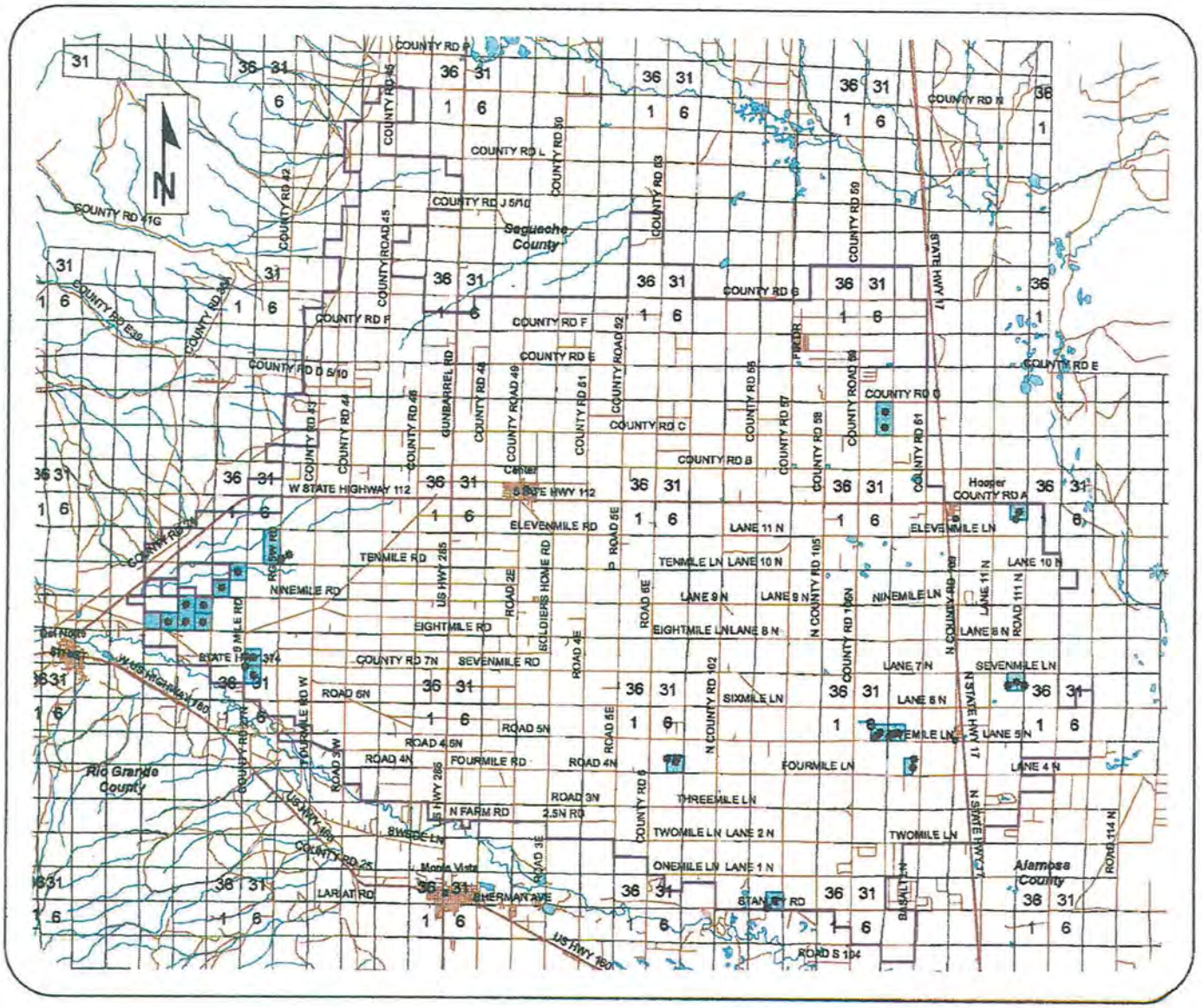
## Augmentation Wells and Map

| 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 | | | | |

# APPENDIX I

## 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 |
| | | | | 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

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(719)589-3004

COLORADO
Division of Water Resources
Department of Natural Resources
Water Division 3 – Main Office

January 14, 2021

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

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

Dear Ms. Rice,

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

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

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

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

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

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

Sincerely,

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

ec: Division 3