



Rio Grande Water Conservation District

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Protecting & Conserving San Luis Valley Water

Date: 11/1/2023

RE: Subdistrict No. 1 Replacement Water Accounting for the month of October, 2023.

Dear Mr. Cotten,

The following is the Subdistrict No. 1 Replacement Water Accounting for the month October of 2023. As per the Terms and Condition No. 8 of the 2023 Annual Replacement Plan (ARP) Approval for Special Improvement Subdistrict No. 1 of the Rio Grande Water Conservation District document received from Colorado State Engineer Kevin Rein May 1, 2023, this data will be broken down to include the following: Subdistrict diversions, depletions, replacement sources and river calls on a monthly basis.

Synopsis of October 2023 Replacement Water Operations:

Under the direction of the Division 3 Division Engineer and the District 20 Water Commissioner, Subdistrict No. 1 continued replacing projected stream reach depletions on the Rio Grande for the month of October on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2023 ARP. On October 1st, the ditches on the Rio Grande continued diverting water for the 2023 Irrigation Season. Subdistrict No. 1 is using response function accretions from Stream Reach 1 (-227.0 AF) to offset Stream Reach 2 depletions (52.4 AF) and Stream Reach 3 depletions (34.1 AF), using Table 2.5 from the 2023 ARP. The remainder of Stream Reach 1 accretions (-140.5 AF) were not used by Subdistrict No. 1 or any other Subdistrict.

The following Tables 1 and 2 illustrate the Subdistrict's replacement water plan operations on a daily basis during October 2023. Detailed accounting for daily administration can also be found on the Rio Grande Water Conservation District's website (<http://rgwcd.org>) under Subdistrict No. 1 Annual Replacement Plan.

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

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

Table 1

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

Table 2

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

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

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Program Manager, RGWCD