



Rio Grande Water Conservation District

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Protecting & Conserving San Luis Valley Water

Date: 12/4/2023

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

Dear Mr. Cotten,

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

The following Tables 1 and 2 illustrate the Subdistrict's replacement water plan operations on a daily basis during November 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. **November 2023 Depletion Obligation Total:** 48.2 ac-ft to Stream Reach 2 & 11.1 ac-ft to Stream Reach 3; **November 2023 Replacement Operation Total:** Use of 59.3 ac-ft of Stream Reach 1 accretions to offset Stream Reach 2 & 3 depletions (162.5 ac-ft of Stream Reach 1 accretions leftover).

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

Table 1

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

Table 2

<i>November 2023</i>	Last Priority Served From Direct Flow	District 20 Ditch / Reservoir Being Served	Max CFS in Priority During Forbearance
1	198	Enterprise Ditch	No Forbearance in November 2023
2	209	Fish Ditch	
3	209	Fish Ditch	
4	198	Enterprise Ditch	
5	198	Enterprise Ditch	
6	198	Enterprise Ditch	
7	198	Enterprise Ditch	
8	204	Rio Grande San Luis Ditch	End of Irrigation Season
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Contact person responsible for the operation and accounting for Subdistrict No. 1:

Taylor Chick
Program Manager, RGWCD

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