



Rio Grande Water Conservation District

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Protecting & Conserving San Luis Valley Water

Date: 9/1/2023

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

Dear Mr. Cotten,

The following is the Subdistrict No. 1 Replacement Water Accounting for the month of August 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 August 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 August on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2023 ARP. On August 1st, the ditches on the Rio Grande continued diverting water for the 2023 Irrigation Season. Subdistrict No. 1 is using response function accretions from Stream Reach 1 (-201.6 AF) to offset Stream Reach 2 depletions (58.8 AF) and Stream Reach 3 depletions (7.7 AF), using Table 2.5 from the 2023 ARP. The remainder of Stream Reach 1 accretions (-135.1 AF) were not used by Subdistrict No. 1 or any other Subdistrict.

The following Tables 1 and 2 illustrate the Subdistrict's replacement water plan operations on a daily basis during August 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. **August 2023 Depletion Obligation Total:** 58.8 ac-ft to Stream Reach 2 & 7.7 ac-ft to Stream Reach 3; **August 2023 Replacement Operation Total:** Use of 66.5 ac-ft of Stream Reach 1 accretions to Stream Reach 2 & 3 (135.1 ac-ft of Stream Reach 1 accretions leftover).

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

Table 1

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

Table 2

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

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

Taylor Chick
Program Manager, RGWCD

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