



Rio Grande Water Conservation District

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Protecting & Conserving San Luis Valley Water

Date: 6/5/2023

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

Dear Mr. Cotten,

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

The following Tables 1 and 2 illustrate the Subdistrict's replacement water plan operations on a daily basis during May, 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 Net Stream Depletions for 2023 ARP Year submitted to the Colorado State Engineer's Office on April 14, 2023. May 2023 Depletion Obligation Total: Stream Reach 2: 41.7 AF; Stream Reach 3: 6.1 AF- May 2023 Replacement Operation Total: Stream Reach 2: 49.06 AF; Stream Reach 3: 7.63 AF Total: 56.69 AF

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

Table 1

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

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

Table 2

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

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