



## Rio Grande Water Conservation District

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Protecting & Conserving San Luis Valley Water

Date: 5/2/2023

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

Dear Mr. Cotten,

The following is the Subdistrict No. 1 Replacement Water Accounting for the month of April, 2023. As per the Terms and Condition No. 7 of the 2022 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, 2022, this data will be broken down to include the following: Subdistrict diversions, depletions, replacement sources and river calls on a monthly basis.

### Synopsis of April 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 April on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2022 AR. On April 1st, the ditches on the Rio Grande began diverting water for the 2023 Irrigation Season. In anticipation of this, Subdistrict No. 1 began a release from the Santa Maria water pool stored in the Santa Maria Reservoir on March 31, 2023 in the amount of 1.547 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 which were used to offset Stream Reach 2 depletions. A one-day release was made for shortage of Closed Basin Canal production to repay 27.5 AF for winter time depletions on April 28, 2023, and total delivered to Stream Reach 2 with loss calculated is 32.35 AF.

The following Tables 1 and 2 illustrate the Subdistrict's replacement water plan operations on a daily basis during April, 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

<i>Date</i>	<i>Depletion Obligation</i>				<i>SD #1 Replacement Water Sources</i>								
April	SR-1 Ac-ft.	SR-2 Ac-ft.	SR-3 Ac-ft.	Total Required 2022 AR to SR2 (Ac-ft.)	Forbearance (Ac-ft.)	Forbear MVC SR 1&2 (Ac-ft.)	SLVID Tabor D 2 TM SR 1&2 (Ac-ft.)	Santa Maria Shares for Depletions to SR 2 w/ 15% Loss (Ac-ft.)	Santa Maria Shares for Depletions to SR 3 w/ 20% Loss (Ac-ft.)	Santa Maria Shares for CBP Allocation Shortage to SR2 w/ 15% Loss (Ac-ft.)	Accretion Exchange from SR1 to SR 2 (Ac-ft.)	Accretion Exchange from SR 3 to SR 2 (Ac-ft.)	Total
2022 AR for April 2023	-25.8	83.6	-19.1	38.7				45.5					
31	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
1	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
2	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
3	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
4	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
5	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
6	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
7	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
8	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
9	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
10	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
11	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
12	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
13	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
14	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
15	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
16	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
17	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
18	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
19	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
20	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
21	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
22	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
23	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
24	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
25	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
26	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
27	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	0	0.86	0.64	3.05
28	-0.86	2.79	-0.64	1.29	0	0	0	1.547	0	32.35 <sup>1</sup>	0.86	0.64	35.397
29	-0.86	2.79	-0.64	1.29	0	0	0	0.873	0.258*	0	0.86	0.64	2.37
30*	-1.55	2.94	0.258	1.648				1.583*	0.258*	0	1.55*	0	0.00
<b>Totals (not including last day of current month)</b>	<b>25.8</b>	<b>83.7</b>	<b>-19.2</b>	<b>38.7</b>				<b>45.736</b>	<b>0</b>	<b>32.4</b>	<b>25.8</b>	<b>19.2</b>	<b>123.14</b>

Table 1: Subdistrict No. 1 depletions per Table 1.5 in the accepted 2022 Annual Report (AR): Subdistrict No. 1 Monthly Net Stream Depletions for 2022 AR submitted to the Colorado State Engineer's Office on March 1, 2023. April 2023 Depletion Obligation Total: **38.7 ac-ft total** (using accretions from Stream Reach 1 & 3) with 15 % loss to Stream Reach 2; Replacement Operation Total: **45.736 AF** (all units are in acre feet).

<sup>1</sup> Release for Closed Basin Canal winter time depletion allocation shortage (27.5 AF with 15% loss to Stream Reach 2)

\* Start of Releases for May 2023 depletion replacement obligations to Stream Reach 2 & Stream Reach 3

**Table 2**

<b>April</b>	<b>Last Priority Served From Direct Flow</b>	<b>District 20 Ditch / Reservoir Being Served</b>	<b>Max CFS in Priority During Forbearance</b>
<b>1</b>	163	Excelsior Ditch	<b>No Forbearance in April 2023</b>
<b>2</b>	198	Enterprise Ditch	Releasing Water From SMRC Shares
<b>3</b>	190	Minor Ditch	
<b>4</b>	216-A	Rio Grande Canal	
<b>5</b>	216-A	Rio Grande Canal	
<b>6</b>	192	Nichol Ditch	
<b>7</b>	197	Biedel Ditch	
<b>8</b>	198	Enterprise Ditch	
<b>9</b>	216-A	Rio Grande Canal	
<b>10</b>	216-A	Rio Grande Canal	
<b>11</b>	216-A	Rio Grande Canal	
<b>12</b>	236-A	Empire Canal	
<b>13</b>	293	Costilla Ditch	
<b>14</b>	312-A	Rio Grande Canal	
<b>15</b>	270	San Luis Valley Canal	
<b>16</b>	236-A	Empire Canal	
<b>17</b>	236-A	Empire Canal	
<b>18</b>	262	Excelsior Ditch	
<b>19</b>	293	Costilla Ditch	
<b>20</b>	259	Westside Ditch	
<b>21</b>	236-A	Empire Canal	
<b>22</b>	236-A	Empire Canal	
<b>23</b>	236-A	Empire Canal	
<b>24</b>	236-A	Empire Canal	
<b>25</b>	270	San Luis Valley Canal	
<b>26</b>	270	San Luis Valley Canal	
<b>27</b>	236-A	Empire Canal	
<b>28</b>	270	San Luis Valley Canal	
<b>29</b>	270	San Luis Valley Canal	
<b>30</b>	314	Farmers' Union Canal	

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

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