



## Rio Grande Water Conservation District

8805 Independence Way • Alamosa, Colorado 81101

Phone: (719) 589-6301 • Fax: (719) 992-2026

Protecting & Conserving San Luis Valley Water

Date: 8/1/2023

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

Dear Mr. Cotten,

The following is the Subdistrict No. 1 Replacement Water Accounting for the month of July 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 July 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 July on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2023 ARP. On July 1st, the ditches on the Rio Grande continued diverting water for the 2023 Irrigation Season. Subdistrict No. 1 stopped releasing from the Santa Maria water pool stored in the Santa Maria Reservoir on June 28<sup>th</sup>, 2023. Reservoir releases stopped because Subdistrict No. 1 started using response function accretions from Stream Reach 1 (-153.6AF) to offset Stream Reach 2 depletions (67.2 AF) and Stream Reach 3 depletions (10.3 AF), using Table 2.5 from the 2023 ARP. The remainder of Stream Reach 1 accretions (-76.1 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 July 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. **July 2023 Depletion Obligation Total:** 67.2 ac-ft to Stream Reach 2 & 10.3 ac-ft to Stream Reach 3; **July 2023 Replacement Operation Total:** Use of 77.54 ac-ft of Stream Reach 1 accretions to Stream Reach 2 & 3 (76.1 ac-ft of Stream Reach 1 accretions leftover)

**Table 2:** District 20 Rio Grande River Call for July 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>				
July 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)
<b>2023 ARP for July 2023</b>	<b>-153.6</b>	<b>67.2</b>	<b>10.3</b>	<b>-76.1</b>	<b>67.2</b>		<b>10.30</b>		
1	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
2	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
3	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
4	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
5	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
6	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
7	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
8	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
9	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
10	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
11	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
12	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
13	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
14	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
15	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
16	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
17	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
18	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
19	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
20	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
21	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
22	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
23	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
24	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
25	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
26	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
27	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
28	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
29	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
30	-4.955	2.168	0.337	-2.455	2.162	1.09	0.337	0.17	2.50
31	-4.955	2.34	0.19835	-2.314	2.341	1.18	0.198	0.1	2.54
<b>Total (AF)</b>	<b>153.61</b>	<b>67.38</b>	<b>10.31</b>	<b>-75.96</b>	<b>67.20</b>	<b>67.20</b>	<b>10.31</b>	<b>10.31</b>	<b>77.52</b>

**Table 2**

<i>July 2023</i>	<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>	288-A	Rio Grande Canal	<b>No Forbearance in July</b>
<b>2</b>	262	Excelsior Ditch	
<b>3</b>	241	Rio Grande Piedra Valley Ditch	
<b>4</b>	236-A	Empire Canal	
<b>5</b>	236-A	Empire Canal	
<b>6</b>	236-A	Empire Canal	
<b>7</b>	236-A	Empire Canal	
<b>8</b>	224	Monte Vista Canal	
<b>9</b>	224	Monte Vista Canal	
<b>10</b>	217	Rio Grande Lariat Ditch	
<b>11</b>	217	Rio Grande Lariat Ditch	
<b>12</b>	217	Rio Grande Lariat Ditch	
<b>13</b>	217	Rio Grande Lariat Ditch	
<b>14</b>	217	Rio Grande Lariat Ditch	
<b>15</b>	216-A	Rio Grande Canal	
<b>16</b>	216-A	Rio Grande Canal	
<b>17</b>	216-A	Rio Grande Canal	
<b>18</b>	216-A	Rio Grande Canal	
<b>19</b>	211	Lease, Davis and Bingle D	
<b>20</b>	209	Fish Ditch	
<b>21</b>	204	Rio Grande San Luis Ditch	
<b>22</b>	198	Enterprise Ditch	
<b>23</b>	198	Enterprise Ditch	
<b>24</b>	198	Enterprise Ditch	
<b>25</b>	197	Biedel Ditch	
<b>26</b>	190	Minor Ditch	
<b>27</b>	187	Bauer Ditch	
<b>28</b>	187	Bauer Ditch	
<b>29</b>	193	John Anderson Ditch	
<b>30</b>	190	Minor Ditch	
<b>31</b>	187	Bauer Ditch	

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

Taylor Chick  
Program Manager, RGWCD

Office Phone: 719-589-6301