



## Rio Grande Water Conservation District

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*Protecting & Conserving San Luis Valley Water*

Date: 4-10-2020

RE: Subdistrict No. 1 Replacement Water Accounting for the month of March, 2020.

Dear Mr. Cotten,

The following is the Subdistrict No. 1 Replacement Water Accounting for the month of February, 2020. As per the Terms and Condition No. 7 of the 2019 Annual Replacement (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, 2019, this data will be broken down to include the following: Subdistrict diversions, depletions, replacement sources and river calls on a monthly basis.

### Synopsis of March 2020 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 February on a daily basis pursuant to the amounts presented in the approved Subdistrict's 2019 ARP. On March 1<sup>st</sup>, the Subdistrict's Replacement Water Plan resumed with Closed Basin Project (CBP) allocation releases to the Rio Grande replacing Stream Reach 1 and 2. There were no positive Stream Reach 3 depletions identified in the response function in March, but rather accretions back to the river within this reach. It was projected there would be thirteen acre feet of return flow back to the river for the month of March 2020 thus reducing the monthly depletion obligation for Stream Reach 1 and 2 to the Stateline by thirteen acre feet. Bureau of Reclamation staff attempted to keep the release rate from the CBP canal into the Rio Grande to at least 3.452 ac-ft./day to meet the daily obligation for the Subdistrict and were successful in doing so for the entire month of March.

The following Tables 1 and 2 illustrate the Subdistrict's replacement water plan operations on a daily basis during March, 2020. 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 2.6 in the accepted 2019 Annual Replacement Plan (ARP): Subdistrict No. 1 Monthly Stream Replacement Obligation for 2019 ARP Year submitted to the Colorado State Engineer's Office on May 1, 2019. March 2020 Depletion Obligation Total: 107 ac-ft. 2019 Replacement Operation Total: 107 ac-ft (all units' are in acre feet).

<i>Date</i>	<i>Depletion Obligation</i>				<b>Table 1</b>						<i>SD #1 Replacement Water Sources</i>			
<b>March</b>	<b>SR-1 Ac-ft.</b>	<b>SR-2 Ac-ft.</b>	<b>SR-3 Ac-ft.</b>	<b>Total Required 2018 ARP</b>	<b>Forbear SLVID SR 1&amp;2 Ac-ft.</b>	<b>Forbear SLVC SR 1&amp;2 Ac-ft.</b>	<b>Forbear MVC SR 1&amp;2 Ac-ft.</b>	<b>SLVID Tabor D 2 TM SR 1&amp;2 Ac-ft.</b>	<b>Exchange from SR 3 to SR 2 UNAVAILABLE</b>	<b>William Cr. Squaw TM SR 1 &amp; 2 Ac-ft</b>	<b>CBP Allocation SR 1, 2 &amp; 3 Ac-ft.</b>	<b>Accretion Exchange from SMRC SR1 &amp; SR2 Ac-Ft.</b>	<b>Accretion Exchange From SMRC SR 3 Ac-ft.</b>	<b>Total</b>
1	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
2	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
3	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
4	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
5	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
6	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
7	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
8	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
9	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
10	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
11	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
12	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
13	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
14	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
15	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
16	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
17	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
18	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
19	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
20	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
21	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
22	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
23	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
24	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
25	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
26	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
27	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
28	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
29	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
30	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
31	1.484	2.387	-0.419		0	0	0	0			3.452	0		3.452
<b>Totals</b>	<b>46</b>	<b>74</b>	<b>-13</b>								<b>107</b>			<b>107</b>

\*Negative Depletions are utilized to remedy Stream Reach 1 or 2 depletions. Approval Date 5/31/2019

**Table 2:** District 20 Rio Grande River Call for March 2020 taken from the Colorado Division of Water Resources Preliminary Rio Grande Daily Report – Division 3, District 20.

**Table 2**

<b>March</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>	Compact	Compact	<b>No Forbearance in March 2020</b>
<b>2</b>	Compact	Compact	<b>0</b>
<b>3</b>	Compact	Compact	<b>0</b>
<b>4</b>	Compact	Compact	<b>0</b>
<b>5</b>	Compact	Compact	<b>0</b>
<b>6</b>	Compact	Compact	<b>0</b>
<b>7</b>	Compact	Compact	<b>0</b>
<b>8</b>	Compact	Compact	<b>0</b>
<b>9</b>	Compact	Compact	<b>0</b>
<b>10</b>	Compact	Compact	<b>0</b>
<b>11</b>	Compact	Compact	<b>0</b>
<b>12</b>	Compact	Compact	<b>0</b>
<b>13</b>	Compact	Compact	<b>0</b>
<b>14</b>	Compact	Compact	<b>0</b>
<b>15</b>	Compact	Compact	<b>0</b>
<b>16</b>	Compact	Compact	<b>0</b>
<b>17</b>	Compact	Compact	<b>0</b>
<b>18</b>	Compact	Compact	<b>0</b>
<b>19</b>	Compact	Compact	<b>0</b>
<b>20</b>	Compact	Compact	<b>0</b>
<b>21</b>	Compact	Compact	<b>0</b>
<b>22</b>	Compact	Compact	<b>0</b>
<b>23</b>	Compact	Compact	<b>0</b>
<b>24</b>	Compact	Compact	<b>0</b>
<b>25</b>	Compact	Compact	<b>0</b>
<b>26</b>	Compact	Compact	<b>0</b>
<b>27</b>	Compact	Compact	<b>0</b>
<b>28</b>	Compact	Compact	<b>0</b>
<b>29</b>	Compact	Compact	<b>0</b>
<b>30</b>	Compact	Compact	<b>0</b>
<b>31</b>	Compact	Compact	<b>0</b>

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

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Program Manager, RGWCD