

EXHIBIT G

PETITION FOR THE ESTABLISHMENT OF SPECIAL IMPROVEMENT DISTRICT NO. 4 OF THE RIO GRANDE WATER CONSERVATION DISTRICT

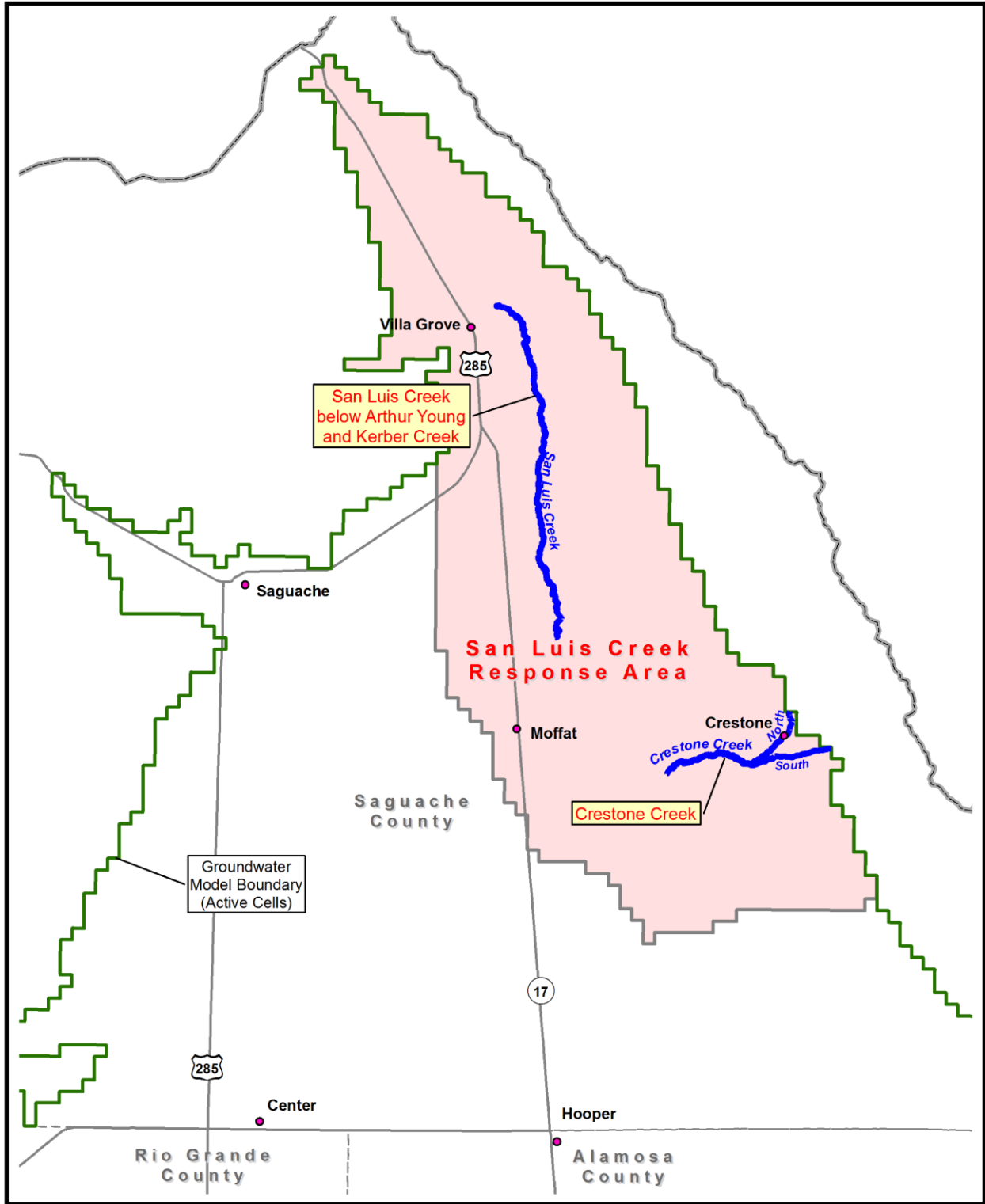
(Colorado Division of Water Resources
Response Area Summary Package)

RESPONSE AREA SUMMARY PACKAGE

SAN LUIS CREEK RESPONSE AREA

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Figure 1	<i>San Luis Creek Response Area, Stream Reaches with Response Functions</i> - This figure shows the stream reaches for which Response Functions were calibrated. For the San Luis Creek Response Area there are two stream reaches with Response Functions: <ol style="list-style-type: none">1. San Luis Creek below the Arthur Young Ditch and Kerber Creek2. Crestone Creek
Table 1a	<i>Estimated Historical and Current Year Net Stream Depletions from Groundwater Withdrawals in the San Luis Creek Response Area (acre-feet)</i> - This table provides a summary of the San Luis Creek Response Area's groundwater withdrawal impacts to streams using Response Functions calibrated to the RGDSS Groundwater Model for the time frame of 2001 through 2015. For illustrative purposes, groundwater withdrawal was discontinued after 2015 and the Response Functions were applied to estimate post plan depletions. Net Groundwater Consumptive Use is defined as the groundwater consumed by the operations of one or more wells and represents the difference between groundwater withdrawals less any return flow to the hydrogeologic system.
Table 1b	<i>Estimated Post Plan Net Stream Depletions from Groundwater Withdrawals in the San Luis Creek Response Area (acre-feet)</i>
Figure 2	<i>2001-2015 Estimated Net Stream Depletions and Post 2015 Projected Net Stream Depletions from Groundwater Withdrawals in the San Luis Creek Response Area</i> - The stacked graph shows the combination of Table 1a (historical and current year depletions) and Table 1b (post-plan depletions) .
Table 2	<i>Monthly Net Stream Depletions for 2015 Plan Year in the San Luis Response Area (acre-feet)</i> - This table provides the monthly distribution of Net Stream Depletions for the 2015 Plan Year.




 **COLORADO** Division of Water Resources
Department of Natural Resources

Figure 1. San Luis Creek Response Area Stream Reaches with Response Functions

Table 1a: Estimated Historical and Current Year Net Stream Depletions from Groundwater Withdrawals in the San Luis Creek Response Area (acre-feet)						
Year	Saguache Creek near Saguache (Apr-Sep)	Net Groundwater Consumptive Use (Jan-Dec)	Net Stream Depletions (May – April)			
			San Luis Creek below Arthur Young and Kerber Creek	Crestone Creek	Total	
(1)	(2)	(3)	(4)	(5)	(6)	
2001	39,690	10,491	1,020	301	1,321	
2002	7,687	12,028	890	192	1,082	
2003	16,142	8,095	885	396	1,281	
2004	25,585	7,524	854	394	1,248	
2005	29,294	7,833	1,098	347	1,445	
2006	21,283	7,754	871	168	1,039	
2007	39,634	7,776	989	360	1,349	
2008	31,611	8,579	1,020	381	1,401	
2009	30,123	7,618	987	371	1,358	
2010	27,043	8,500	1,002	317	1,319	
2011	20,714	10,522	798	129	927	
2012	15,263	10,347	804	173	977	
2013	19,641	9,367	797	363	1,160	
2014	35,933	10,588	1,021	376	1,397	
2015	35,933	10,588	979	373	1,352	
Average	26,372	9,174	934	309	1,244	

Table 1b: Estimated Post Plan Net Stream Depletions from Groundwater Withdrawals in the San Luis Creek Response Area (acre-feet)					
Year	Saguache Creek near Saguache (Apr-Sep)	Net Groundwater Consumptive Use (Jan-Dec)	Net Stream Depletions (May – April)		
			San Luis Creek below Arthur Young and Kerber Creek	Crestone Creek	Total
(1)	(2)	(3)	(4)	(5)	(6)
2016		0	891	341	1,232
2017		0	798	307	1,105
2018		0	708	272	980
2019		0	616	239	855
2020		0	506	201	707
2021		0	389	157	546
2022		0	279	115	394
2023		0	165	74	239
2024		0	46	30	76
2025		0	0	0	0
2026		0	0	0	0
2027		0	0	0	0
2028		0	0	0	0
2029		0	0	0	0
2030		0	0	0	0
2031		0	0	0	0
2032		0	0	0	0
2033		0	0	0	0
2034		0	0	0	0
2035		0	0	0	0
Post Plan Depletion		0	4,398	1,736	6,134

Notes for Tables 1a and 1b columns:

1. Year
2. Saguache Creek near Saguache Gage streamflow in acre-feet for the period of April through September. The 2015 streamflow data was estimated to be the same as in 2014.
3. Net Groundwater Consumptive Use (NetGWCU) for January through December.
 - a. NetGWCU values for 2001 through 2010 were taken from the RGDSS Groundwater Model output.
 - b. NetGWCU values for 2011 through 2014 were calculated using well meter data and irrigated acreage information.
 - c. NetGWCU data for 2015 was estimated to be the same as in 2014.
4. Net Stream Depletions in San Luis Creek below the Arthur Young Ditch and Kerber Creek for the plan year (May through April) in acre-feet.
5. Net Stream Depletions in Crestone Creek for the plan year (May through April) in acre-feet.
6. Total Net Stream Depletions columns (4+5) in acre-feet.

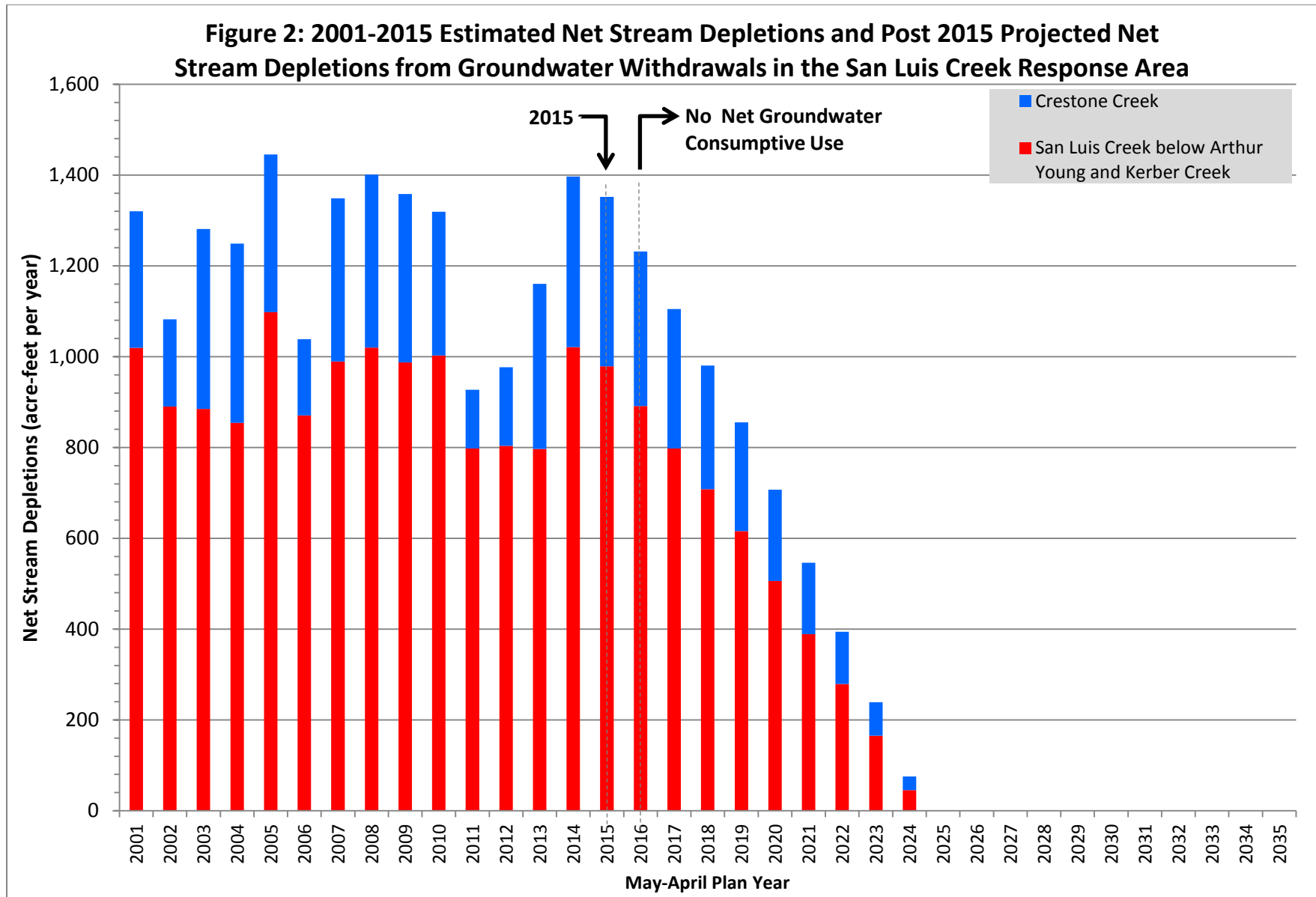


Table 2: Monthly Net Stream Depletions for 2015 Plan Year in the San Luis Creek Response Area (acre-feet)													
	2015								2016				
Stream Reach	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
San Luis Creek below Arthur Young and Kerber Creek	98	58	13	2	2	2	57	164	172	143	144	124	979
Crestone Creek	80	76	29	24	16	15	0	19	36	37	32	9	373
Total	178	134	42	26	18	17	57	183	208	180	176	133	1,352

Notes for columns:

- 1 Stream reach
- 2-13 Monthly Net Stream Depletions in acre-feet
- 14 Total Plan Year Net Stream Depletions in acre-feet