

RIO GRANDE DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: RIO GRANDE PIEDRA VALLEY D

Reported By: Daniel Boyes

Date: April 1, 2019

Headgate Location	Latitude	Longitude
	37.620384	-106. 221885

Headgate Type: Main headgate: Manually operated 3' wide steel slide gate (3); River headgate: Mechanically operated 4' wide steel slide gates (4)

Headgate Condition:	A- <input checked="" type="checkbox"/>	Diversion and Other Condition:	A <input type="checkbox"/>	River Miles from New Mexico State Line (Point of Diversion):	Structure Submerged: Yes <input checked="" type="checkbox"/>
	B <input type="checkbox"/>		B <input checked="" type="checkbox"/>		No <input type="checkbox"/>
	C <input type="checkbox"/>		C <input type="checkbox"/>		
	D <input type="checkbox"/>		D <input type="checkbox"/>	89.94 mi	
	F <input type="checkbox"/>		F <input type="checkbox"/>		

Repair(s) or Improvement(s) Completed Since 2006: None

Structure Description: The river headgate for this structure is on the south bank of the river just downstream of the Monte Vista Canal headgate. The diversion dam for this structure is a rock structure with some check boards and is shared with the Monte Vista Canal (See maps below). The diversion dam directs water to a short feeder channel that comes off of the river and delivers water to the river headgate. The river channel has been relatively stable in the last 60 years (see channel migration maps below). A catwalk with a fence serves as the trash rack at the entrance of the feeder channel. From the river headgate, a long feeder channel (~1.1 miles long) delivers water to the main headgate. This feeder channel also services San Jose or Lucero Ditch. The main headgate serves as the diversion dam for San Jose or Lucero Ditch. An overflow channel runs ~ 1.5 miles to the Consolidated Slough, where it meets the Slough between Marajo Ditch and John Anderson Ditch.

Repair(s) or Improvement(s) Currently Needed: To mitigate the issues described above, the SMP Technical Advisory Team (TAT) recommends installation of an improved trash rack and, as noted above, this ditch's headgate could be combined with that of the Monte Vista Canal to increase efficiency and decrease maintenance

Comments: This ditch includes priorities 146, 241, 1903-24, 1903-30, 1903-34, 1903-45, 1903-46, 1903-49, 1903-52, 1903-57, and 1903-61 with a total decree of 340.77 cfs.

Notes:

Estimated Range of Cost: High

Main headgate looking downstream



Main headgate outlet



River headgate looking downstream



River headgate outlet



Diversion dam looking upstream



Flume looking downstream

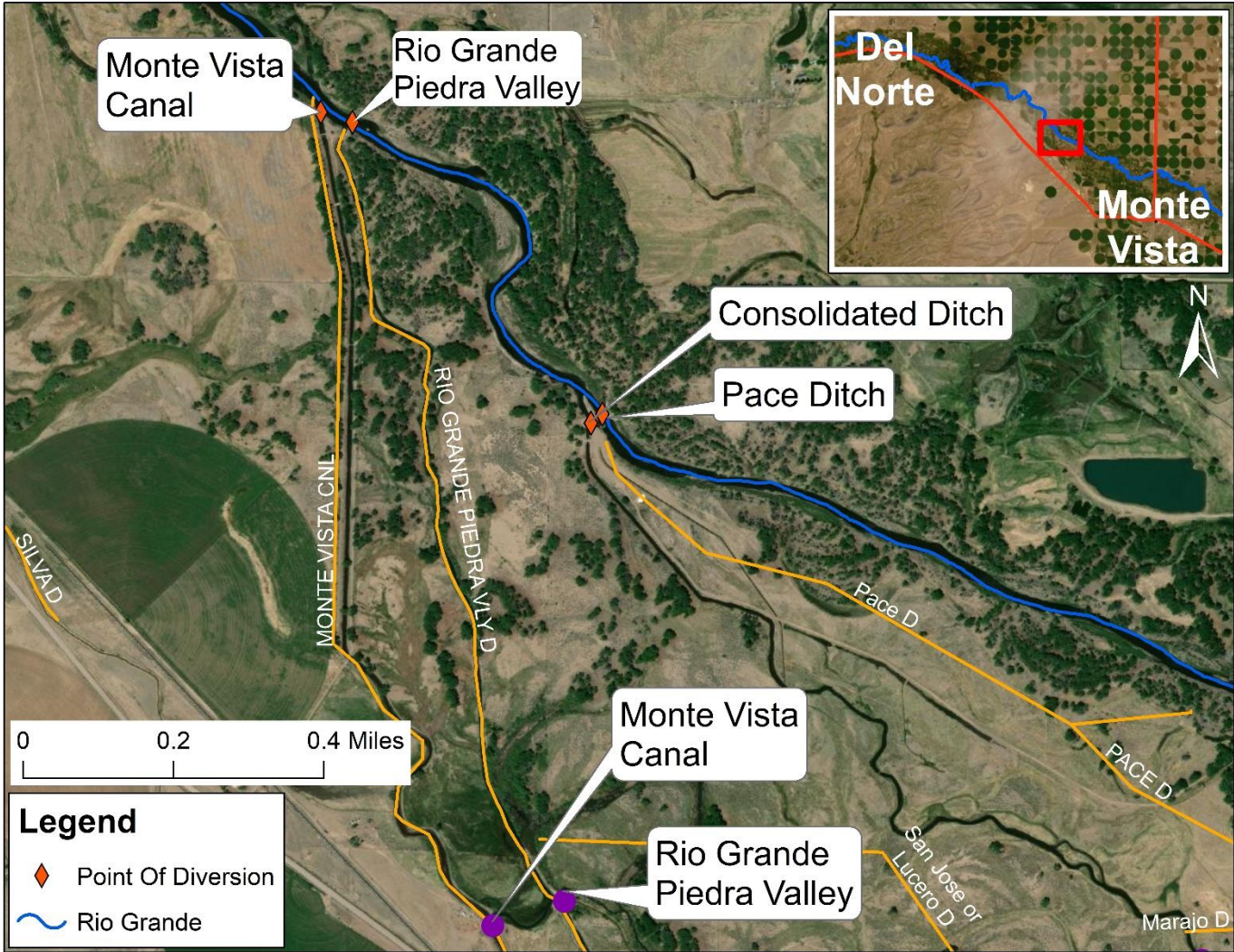


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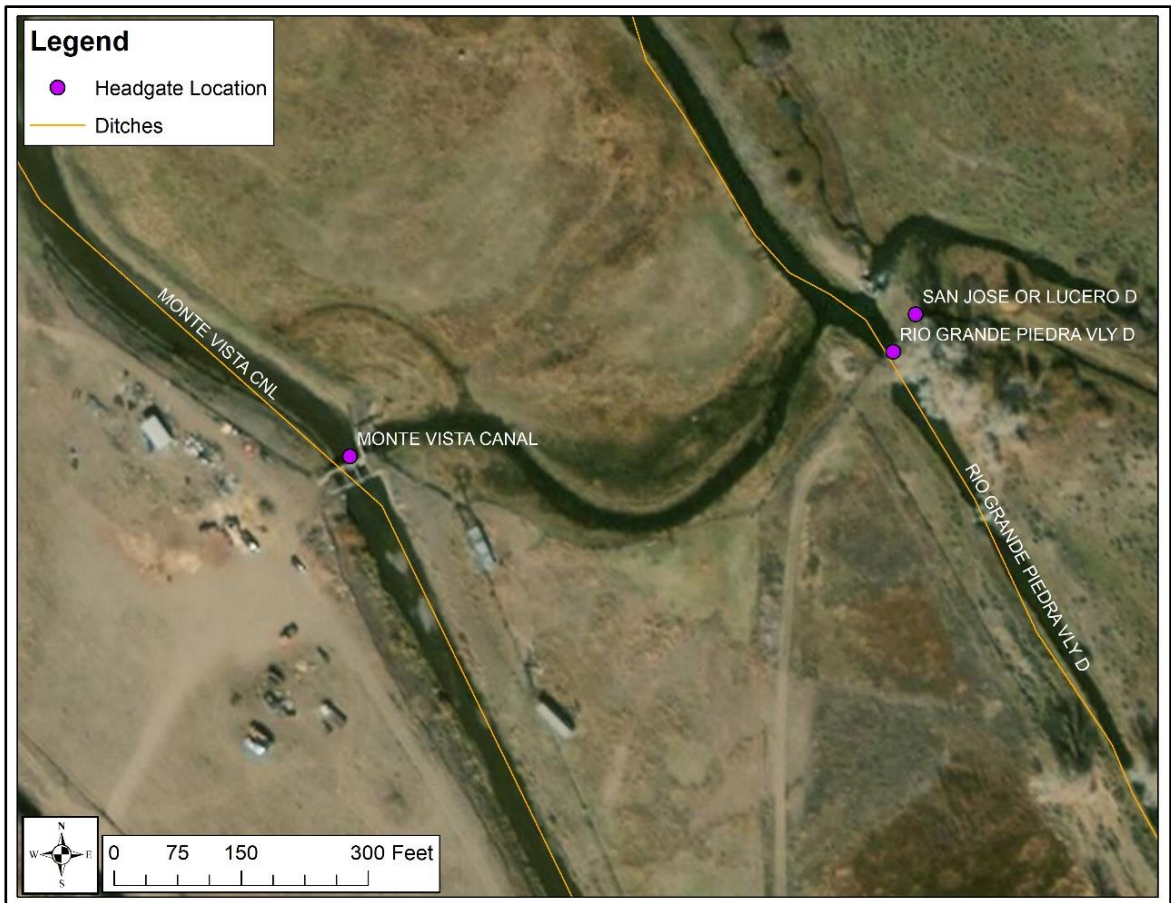
RIO GRANDE PIEDRA VALLEY DITCH

PHOTO LOG

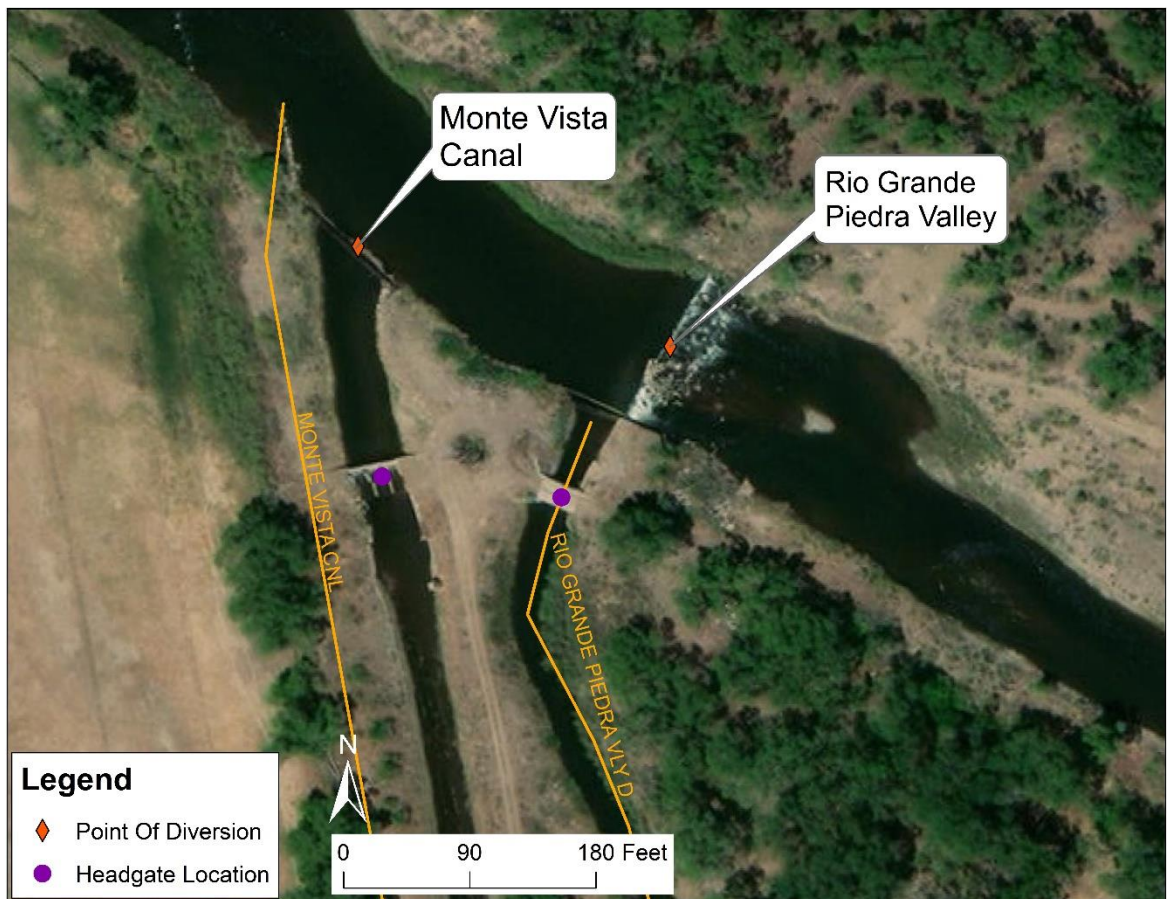
Rio Grande Stream
Management Plan



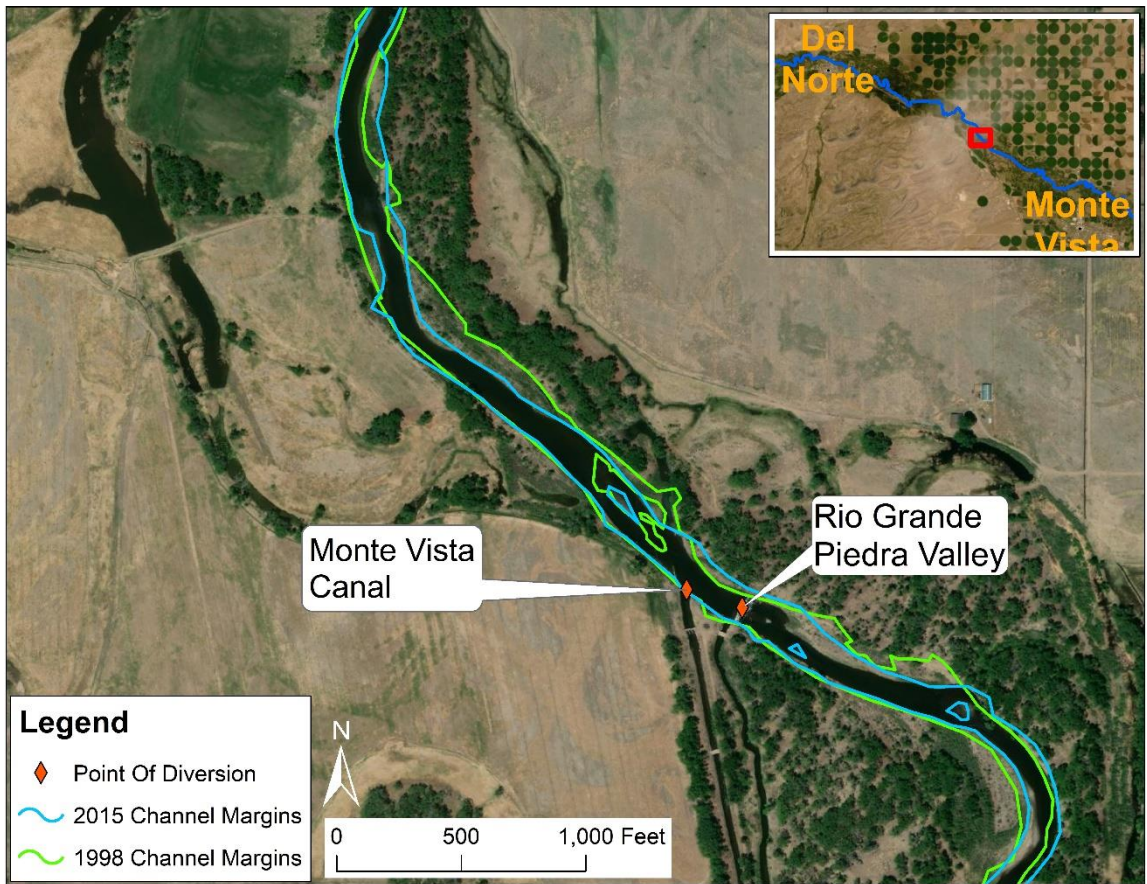
Aerial view showing locations of the river headgate, ditch, and main headgate.



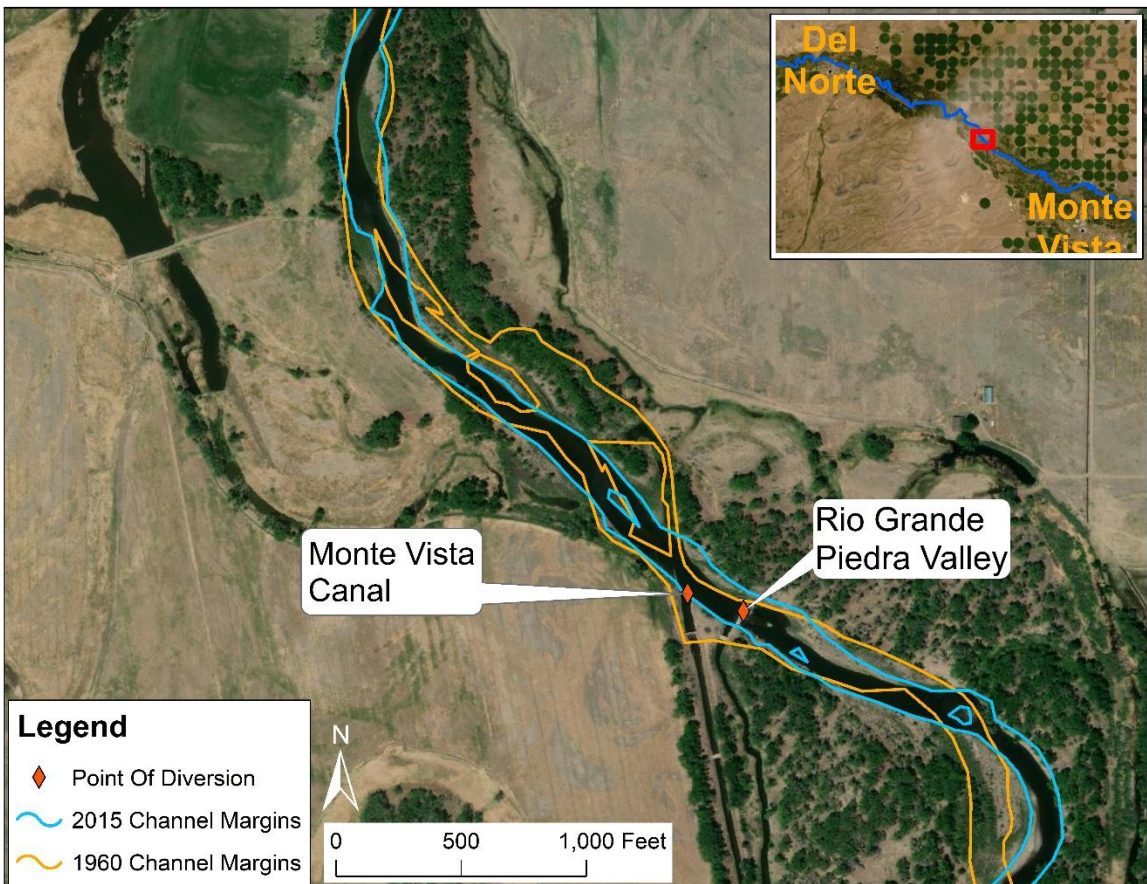
Close-up view of main headgate relative to Monte Vista Canal and San Jose Or Lucero Ditch



Close-up of river headgate relative to Monte Vista Canal



Point of diversion location with 1998 and 2015 channel margins overlaid



Point of diversion location with 1960 and 2015 channel margins overlaid