

# RIO GRANDE DIVERSION INFRASTRUCTURE INVENTORY

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**Structure Name:** MONTE VISTA CANAL

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**Reported By:** Daniel Boyes

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**Date:** April 1, 2019

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Headgate	Latitude	Longitude
Location:	37.620116	-106.223643

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**Headgate Type:** Main headgate: One automated and 2 manually operated 12' wide radial gates (3 total);  
River headgate: Manually operated 12' wide radial gates (3)

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<b>Headgate Condition:</b>	A <input type="checkbox"/>	<b>Diversion and Other Condition:</b>	A <input type="checkbox"/>	<b>River Miles from New Mexico State Line (Point of Diversion):</b>	<b>Structure Submerged:</b> Yes <input type="checkbox"/>
	B <input checked="" type="checkbox"/>		B <input checked="" type="checkbox"/>	89.99 mi	No <input checked="" type="checkbox"/>
	C <input type="checkbox"/>		C <input type="checkbox"/>		
	D <input type="checkbox"/>		D <input type="checkbox"/>		
	F <input type="checkbox"/>		F <input type="checkbox"/>		

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**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 upstream of the Rio Grande Piedra Valley Ditch headgate. The diversion dam for this structure is a rock structure with check boards and is shared with the Rio Grande Piedra Valley Ditch (see maps in report card). The diversion dam directs water to a short feeder channel that comes off of the river and delivers water to the river headgate. A catwalk with a trash boom serves as the trash rack at the entrance of the feeder channel. From the river headgate, a long feeder channel (approximately 1.2 miles long) delivers water to the main headgate. An overflow structure from this feeder channel runs approximately 550 ft to the feeder channel for the Rio Grande Piedra Valley Ditch/San Jose or Lucero Ditch. An overflow channel runs approximately 1.5 miles from this feeder channel to the Consolidated Ditch Slough, where it enters between Marajo Ditch and John Anderson Ditch. The concrete around the river headgate is spalling and sediment accumulation is an issue.

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**Repair(s) or Improvement(s) Currently Needed:** Given the issues identified, the Technical Advisory Team (TAT) recommends installing a sluice gate or other sediment transport structure, such as an Obermeyer, at the river headgate or on the diversion dam. Additionally, to increase efficiency and decrease maintenance, this ditch's headgate could be combined with that of the Rio Grande Piedra Valley Ditch.

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**Comments:** This ditch includes priorities 224, 358, 1903-24A, 1903-30A, 1903-34A, 1903-37, 1903-41, 1903-45A, 1903-46A, 1903-49B, and 1903-52A.

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**Notes:**

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**Estimated Range of Cost:** High

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Main headgate looking downstream



Headgate looking upstream



River headgate looking downstream



River headgate looking upstream



Diversion dam



Flume looking upstream

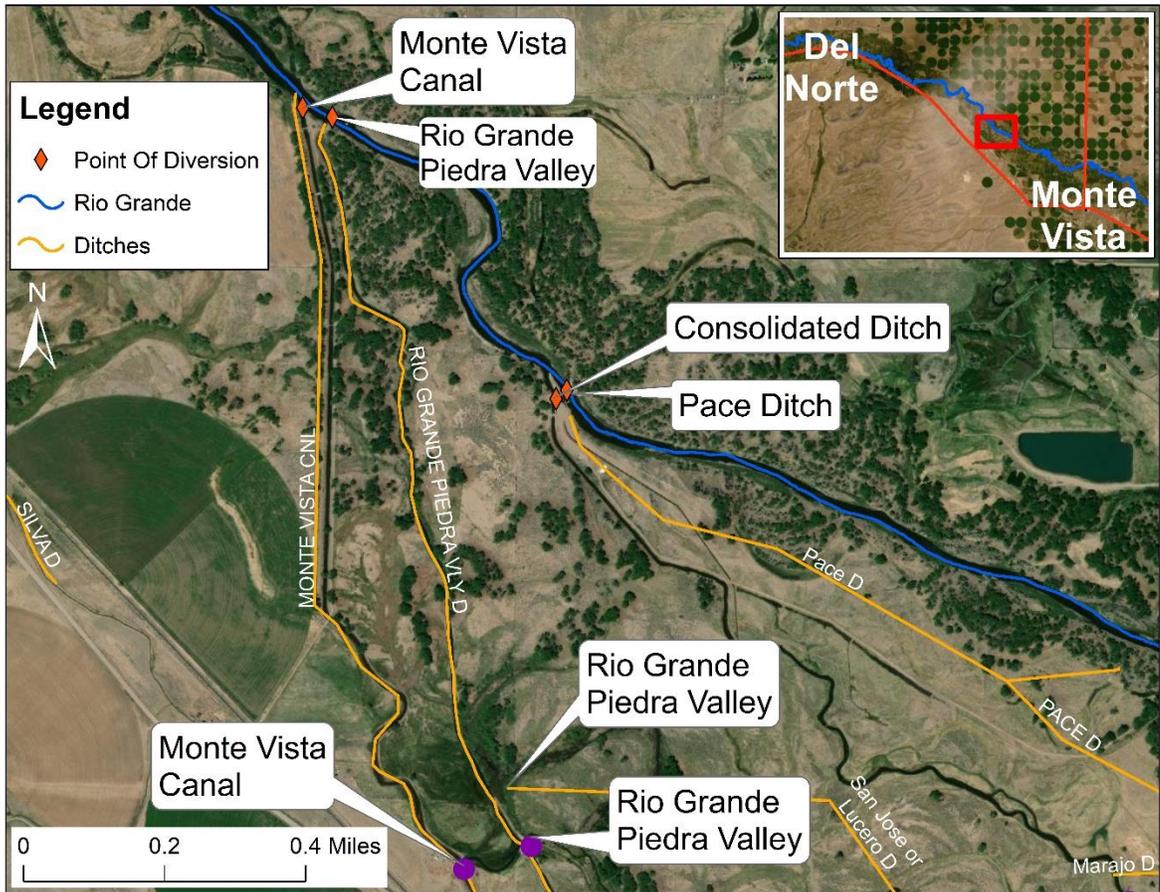


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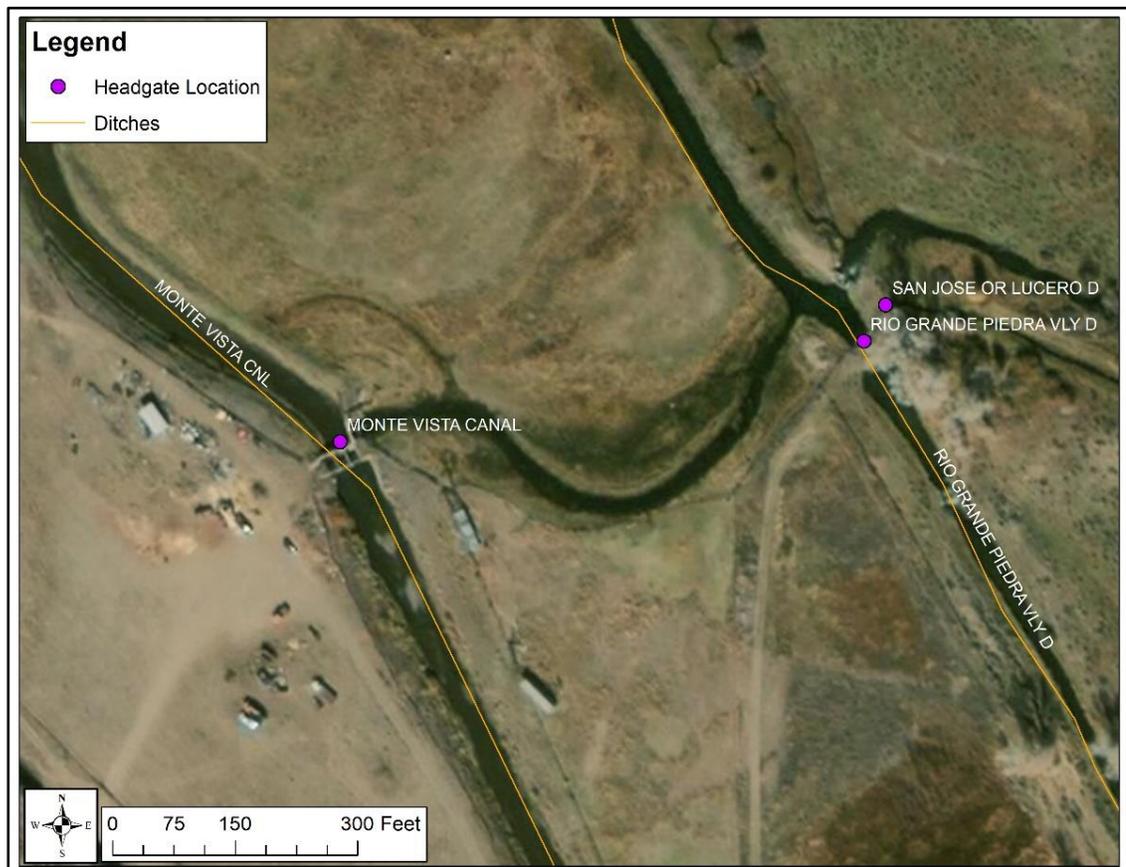
MONTE VISTA CANAL

PHOTO LOG

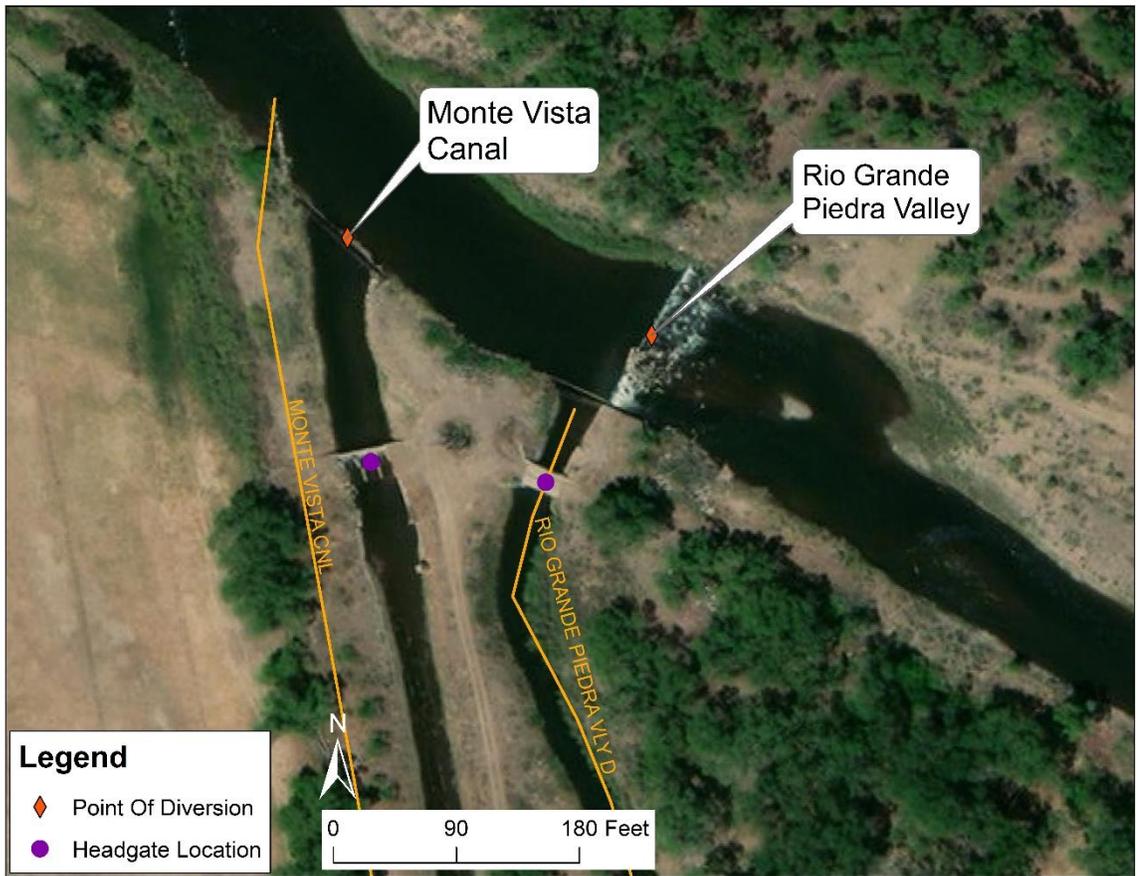
Rio Grande Stream  
Management Plan



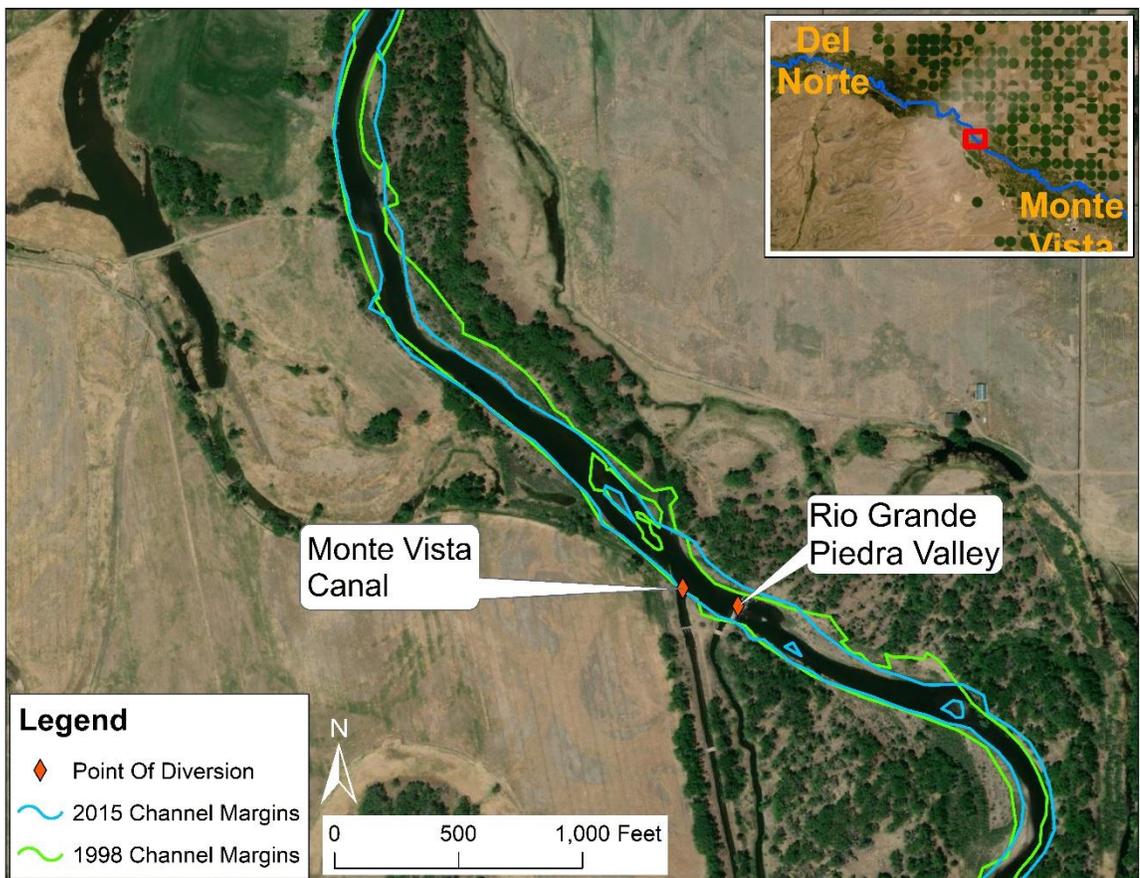
Monte Vista Canal river headgate, main headgate, and associated ditch locations



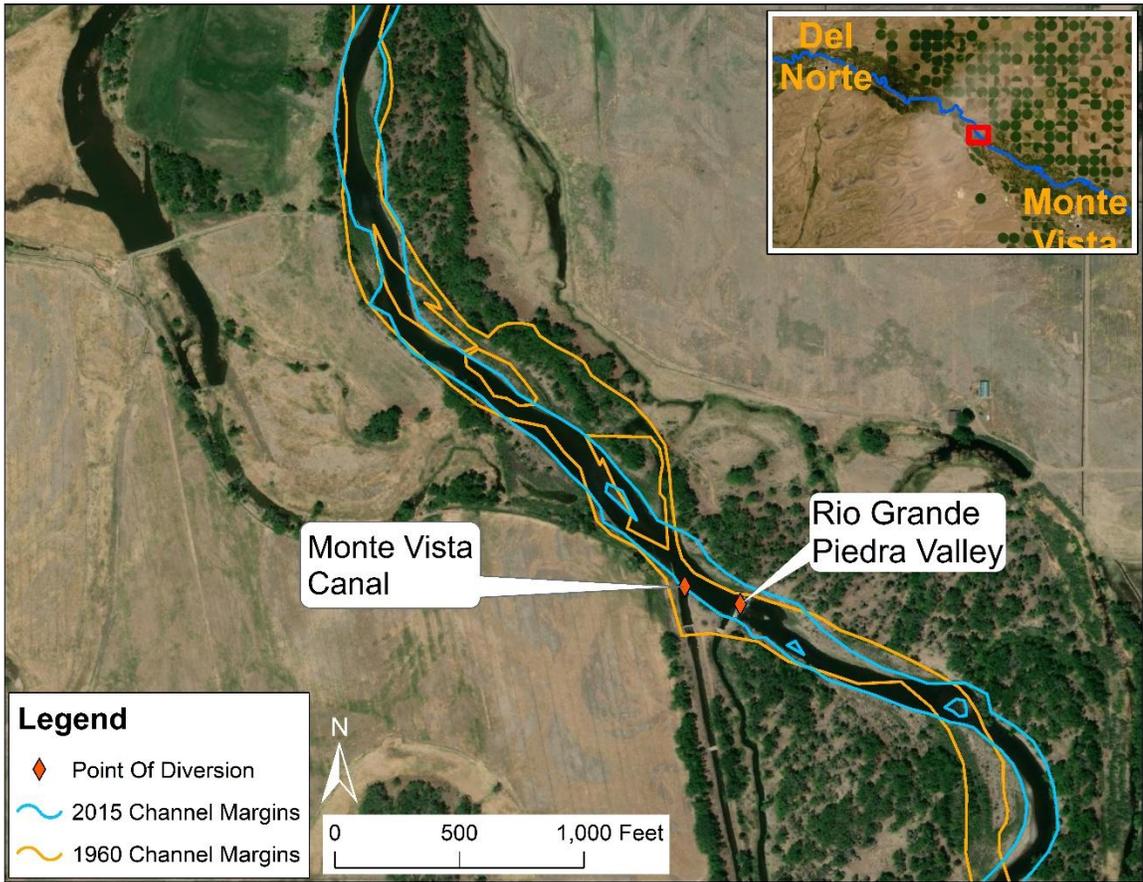
Close-up of main headgate location, relative to Rio Grande Piedra Valley Ditch and San Jose Or Lucero Ditch



Close-up of river headgate relative to Rio Grande Piedra Valley Ditch



Point of diversion location with 1998 and 2015 channel margins overlaid



Point of diversion location with 1960 and 2015 channel margins overlaid