

# RIO GRANDE DIVERSION INFRASTRUCTURE INVENTORY

---

**Structure Name:** SAN JOSE OR LUCERO D

---

**Reported By:** Daniel Boyes

---

**Date:** April 1, 2019

---

Headgate	Latitude	Longitude
Location:	37.62048	-106.221812

---

**Headgate Type:** Main headgate: Manually operated 1.5' wide steel slide gate; River headgate: Mechanically operated 4' wide steel slide gates (4)

---

<b>Headgate Condition:</b>	A- <input checked="" 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 checked="" type="checkbox"/>
	B <input type="checkbox"/>		B- <input checked="" type="checkbox"/>			No <input type="checkbox"/>
	C <input type="checkbox"/>		C <input type="checkbox"/>	89.94 mi		
	D <input type="checkbox"/>		D <input type="checkbox"/>			
	F <input type="checkbox"/>		F <input type="checkbox"/>			

---

**Repair(s) or Improvement(s) Completed Since 2006:** N/A

**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 the river and delivers water to this headgate. 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 Rio Grande Piedra Valley Ditch. The Rio Grande Piedra Valley Ditch main headgate serves as the diversion dam for this structure. An overflow channel runs from this feeder channel ~ 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:** For a description and recommendations related to the diversion, refer to the Monte Vista Canal as they share a diversion. The Rio Grande Piedra Valley Ditch main headgate serves as the diversion dam for this structure, located approximately 1.1 miles down the feeder channel. The main headgate functions well. The flume has heaved and downstream erosion is occurring. The SMP Technical Advisory Team (TAT) recommends flume replacement to maintain long-term measurement accuracy and efficiency.

---

**Comments:** This ditch includes priorities 3, 144.5, and 248.

---

**Notes:**

---

**Estimated Range of Cost:** High

---

Headgate looking downstream



Headgate outlet



River headgate



Diversion dam on Rio Grande



Return flow structure on feeder ditch



Flume looking upstream

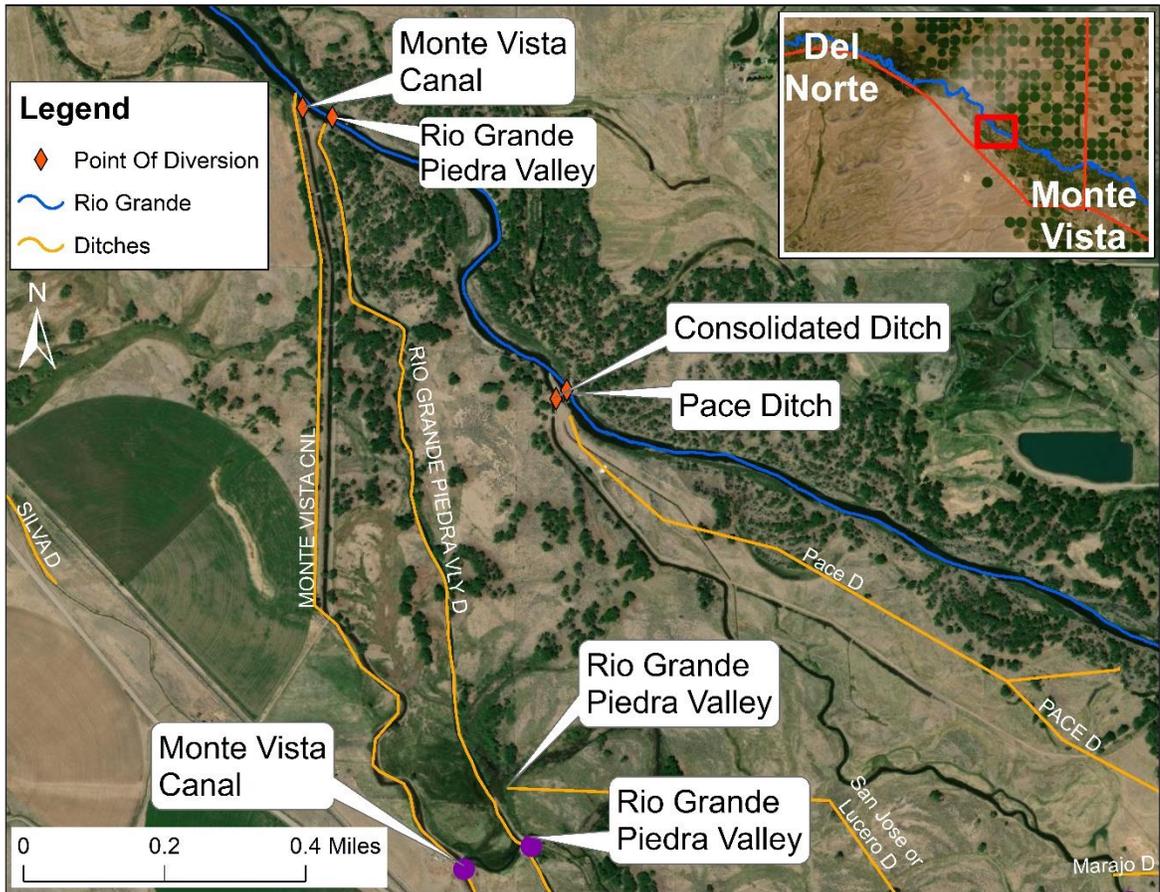


RIO GRANDE DIVERSION INFRASTRUCTURE INVENTORY

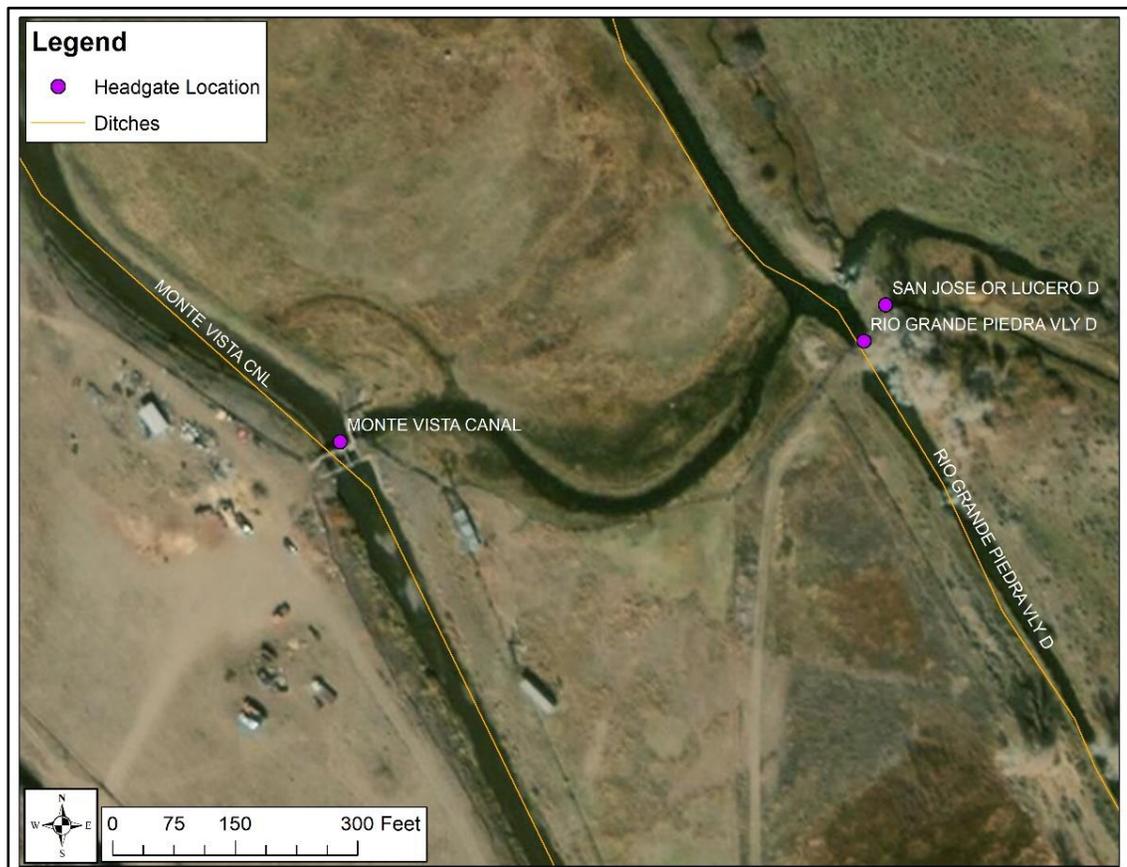
SAN JOSE OR LUCERO DITCH

PHOTO LOG

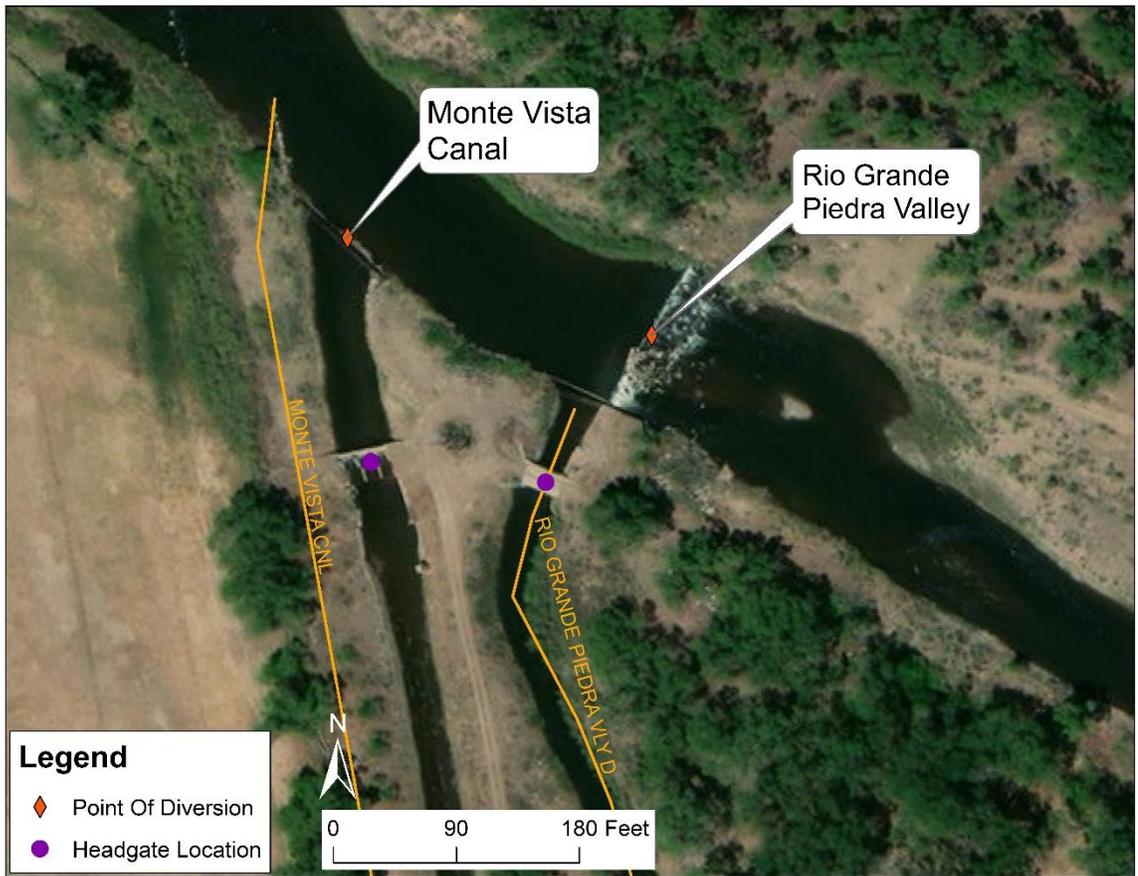
Rio Grande Stream  
Management Plan



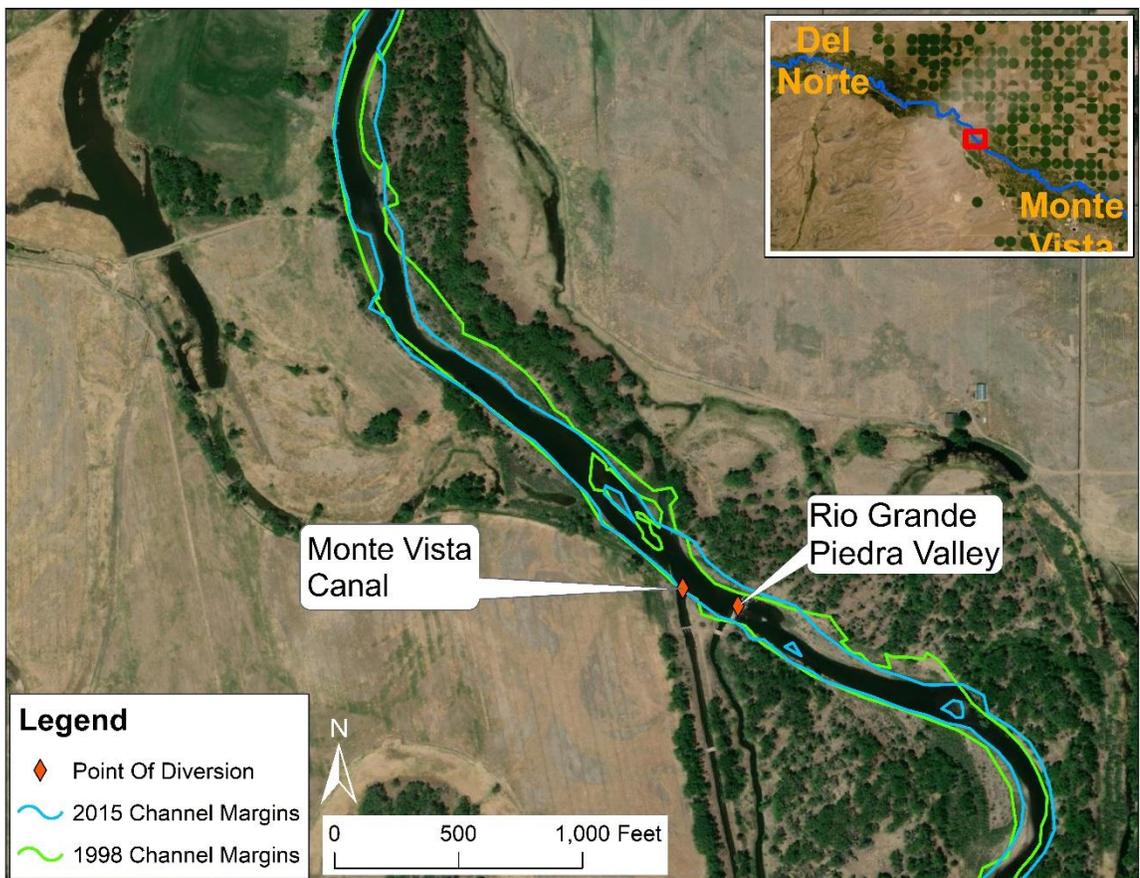
River headgate, main headgate, and associated ditch locations



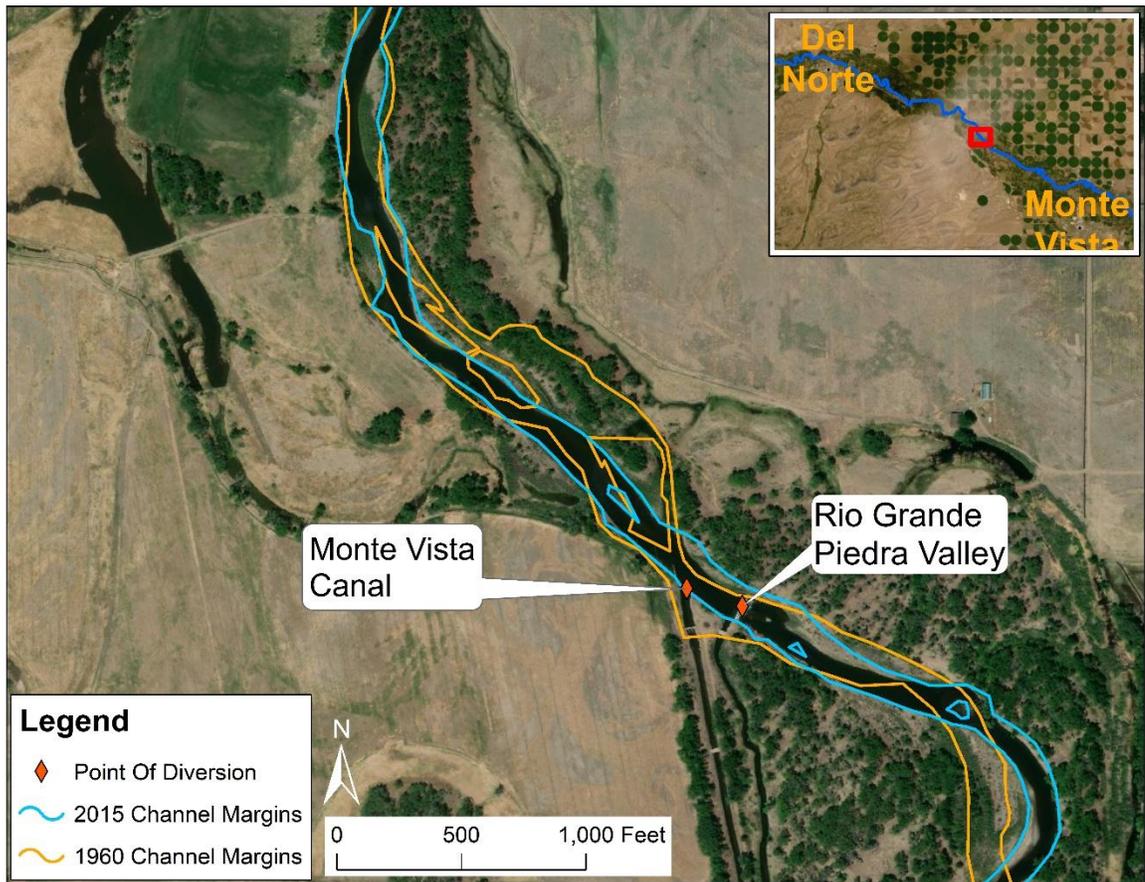
Close-up of main headgate location, relative to Rio Grande Piedra Valley Ditch and Monte Vista Canal



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