

# RIO GRANDE DIVERSION INFRASTRUCTURE INVENTORY

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

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**Reported By:** Daniel Boyes

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**Date:** April 1, 2019

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Headgate	Latitude	Longitude
Location:	37.62048	-106.221812

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

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<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"/>	89.94 mi	No <input 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:** N/A

**Repair(s) or Improvement(s) Currently Needed:** The main headgate functions well. Significant Woody debris accumulates at the river headgate. This could be mitigated with an improved trash rack. The river headgate is also aging and may need significant repairs in the near future. To improve efficiency and decrease annual maintenance, this ditch's diversion and river headgate could be combined with Monte Vista Canal. The flume has heaved and needs to be reset. Additionally, significant erosion has occurred downstream of flume, which needs to be mitigated. Fish and boat passage, as well as riparian restoration should be considered as part of any repairs or improvements to this structure's diversion dam on the Rio Grande.

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**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 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

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

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**Notes:**

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**Estimated Range of Cost:** High

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Headgate looking downstream



Headgate outlet



River headgate



Diversion dam on Rio Grande



Return flow structure on feeder ditch



Flume looking upstream



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SAN JOSE OR LUCERO DITCH

PHOTO LOG

Rio Grande Stream  
Management Plan