

# CONEJOS RIVER

## DIVERSION INFRASTRUCTURE INVENTORY

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**Structure Name:** SELEDONIA VALDEZ IRR D (includes San Jose Ditch and William Sabine No 1, and Vega Grande Ditch)

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**Reported By:** Daniel Boyes

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**Date:** April 2, 2019

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Headgate	Latitude	Longitude
Location:	37.1016167	-105.990333

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**Headgate Type:** Manually operated 7' wide steel slide gate

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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 Rio Grande Confluence (Point of Diversion):</b>	<b>Structure Submerged:</b> Yes <input checked="" type="checkbox"/>
	B <input type="checkbox"/>		B <input type="checkbox"/>		No <input type="checkbox"/>
	C <input checked="" type="checkbox"/>		C <input type="checkbox"/>	29.04 mi	
	D <input type="checkbox"/>		D <input checked="" type="checkbox"/>		
	F <input type="checkbox"/>		F <input type="checkbox"/>		

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**Repair(s) or Improvement(s) Completed Since 2006:** The headgate was under repair at the time of inspection.

**Structure Description:** A diversion dam, constructed of boulders, directs water to the headgate, which sits along the south bank of the river. A steel grate trash rack protects the headgate. Boulders and concrete chunks have been placed on the west bank upstream of structure to prevent erosion, however the bank upstream of the diversion continues to erode. The river channel in this location is unstable. The meander on which the headgate is situated is tightening and could be cut off during high flows.

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**Repair(s) or Improvement(s) Currently Needed:** The SMP Technical Advisory Team (TAT) recommends improved bank stabilization and riparian revegetation upstream of the headgate and also recommends filling in the ditch downstream of the flume. Bank stabilization and riparian revegetation would help prevent a potential meander cutoff and reduce erosion. Fill near the flume would improve its measurement accuracy. If any modifications are made to the diversion in the future, the TAT also recommends maintaining fish passage to maintain aquatic habitat connectivity in this reach.

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**Comments:** The headgate services four ditches: the priority 6 Seledonia Valdez Irrigation Ditch, the priority 10 San Jose Ditch, the priority 41 Vega Grande Ditch, and the priority 50 William Sabine No 1 Ditch. Both the Seledonia Valdez and San Jose ditches have Parshall flumes for flow measurement.

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**Notes:**

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**Estimated Range of Cost:** Medium

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Headgate looking downstream



Bank upstream of headgate



Headgate outlet



Diversion dam



Flume looking downstream



Flume looking upstream

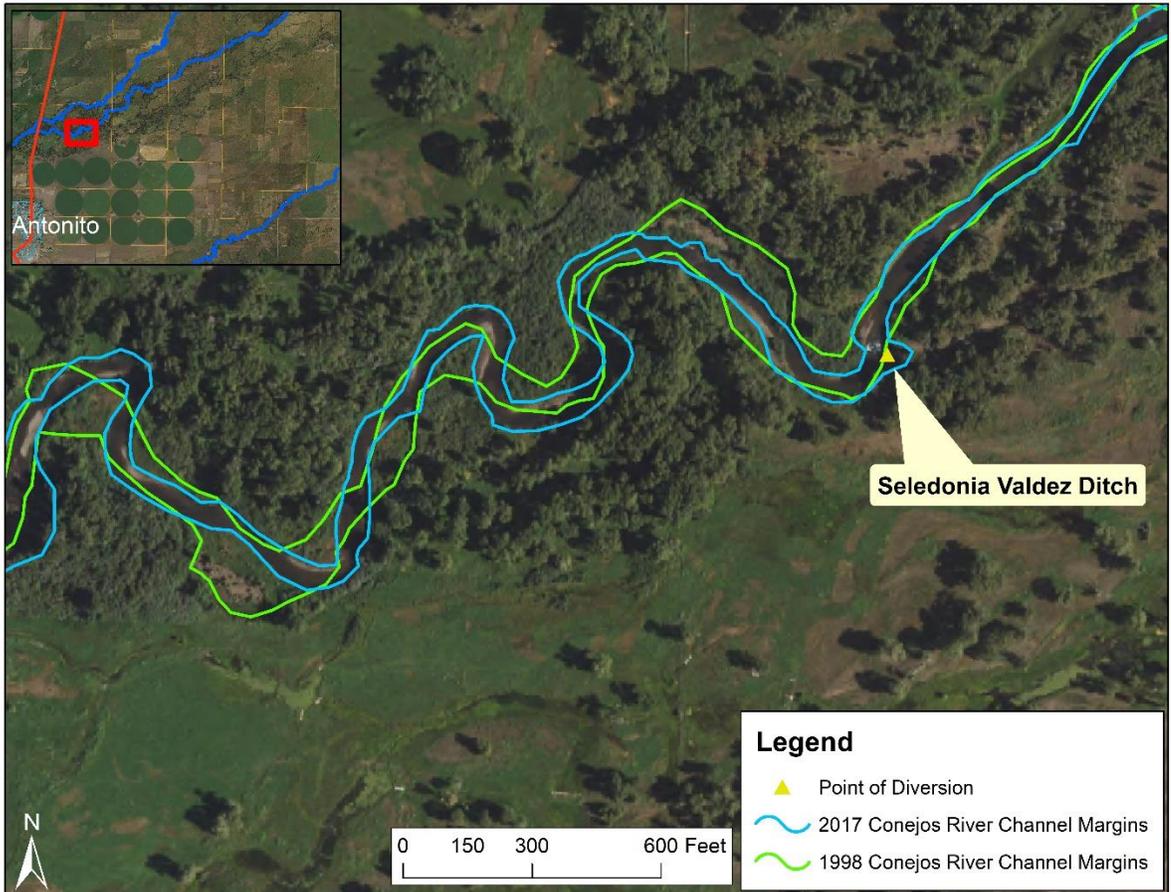


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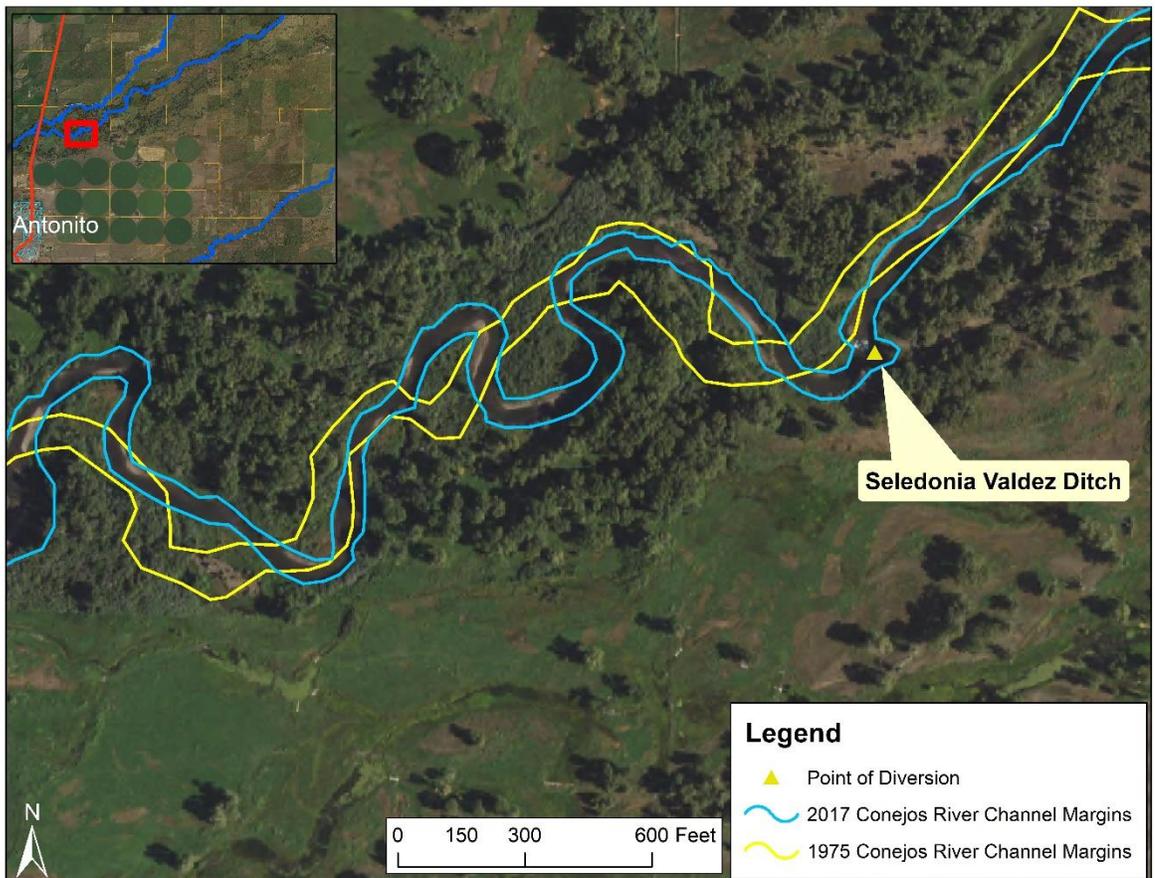
SELEDONIA VALDEZ IRR DITCH

PHOTO LOG

Conejos River Stream  
Management Plan



Headgate location with 1998 and 2017 channel margins overlaid



Headgate location with 1975 and 2017 channel margins overlaid