

# CONEJOS RIVER

## DIVERSION INFRASTRUCTURE INVENTORY

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**Structure Name:** JF CHACON D NO 3

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**Reported By:** Daniel Boyes

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**Date:** April 14, 2019

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Headgate	Latitude	Longitude
Location:	37.097304	-106.014214

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**Headgate Type:** Manually operated 4' wide steel slide gate

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<b>Headgate Condition:</b>	A <input type="checkbox"/>	<b>Diversion and Other Conditions:</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 checked="" type="checkbox"/>		B <input type="checkbox"/>		No <input type="checkbox"/>
	C <input type="checkbox"/>		C <input checked="" type="checkbox"/>	31.0 mi	
	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

**Structure Description:** A long feeder channel (approximately 0.3 miles long) comes off the east bank of the river. A sheet metal diversion dam on the feeder channel directs water to the headgate. There is no formal diversion dam for the feeder channel. Steel wing walls are used to stabilize the bank upstream and downstream of the diversion but are failing. This ditch also services the An Con Irrigation Ditch, which includes priorities 42 and 100 for a total decreed amount of 18.8 cfs. Both upstream and downstream of the structure, meanders are tightening and lateral migration is occurring. Additionally, the meander on which the diversion is located is growing and could be cut off during high flows.

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**Repair(s) or Improvement(s) Currently Needed:** Given the issues identified at this structure, the SMP Technical Advisory Team (TAT) recommends improving the diversion off the mainstem Conejos River, replacing the steel wing walls used for bank stabilization upstream of the diversion, and performing regular maintenance on the feeder channel's diversion dam to prevent debris accumulation. If the diversion dam and bank stabilization structures are improved, the TAT also recommends riparian revegetation and maintaining fish passage to preserve aquatic habitat connectivity in this reach. Diversion and streambank stabilization improvements will increase efficiency, reduce maintenance, mitigate erosion, and improve aquatic and riparian habitat.

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**Comments:** This ditch is a priority 38.

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**Notes:**

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**Estimated Range of Cost:** Medium

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**Diversion for feeder ditch looking upstream**



**Feeder ditch looking downstream**



**Failing bank stabilization**



**East bank of Conejos River upstream of diversion**



**Headgate and diversion dam**



**Headgate outlet**

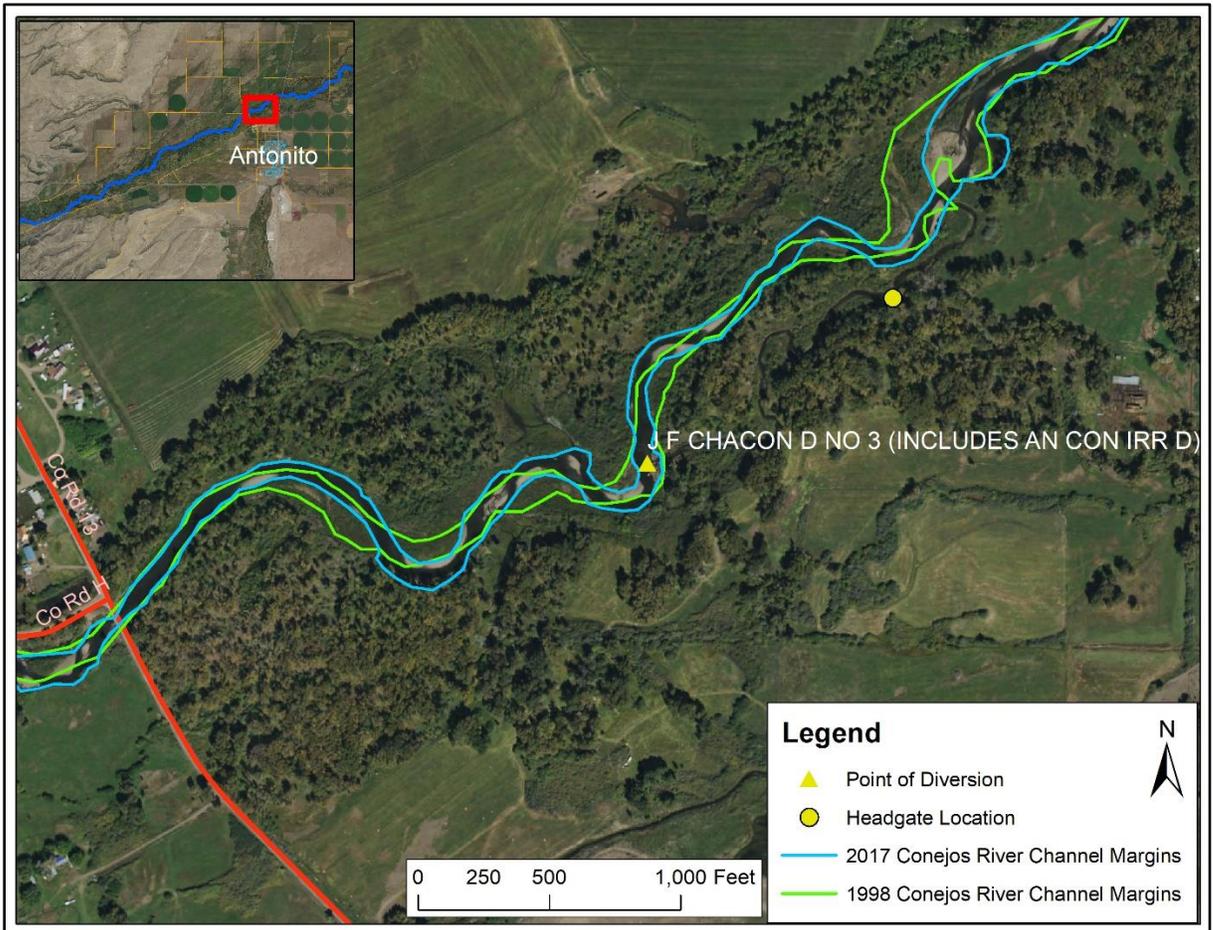


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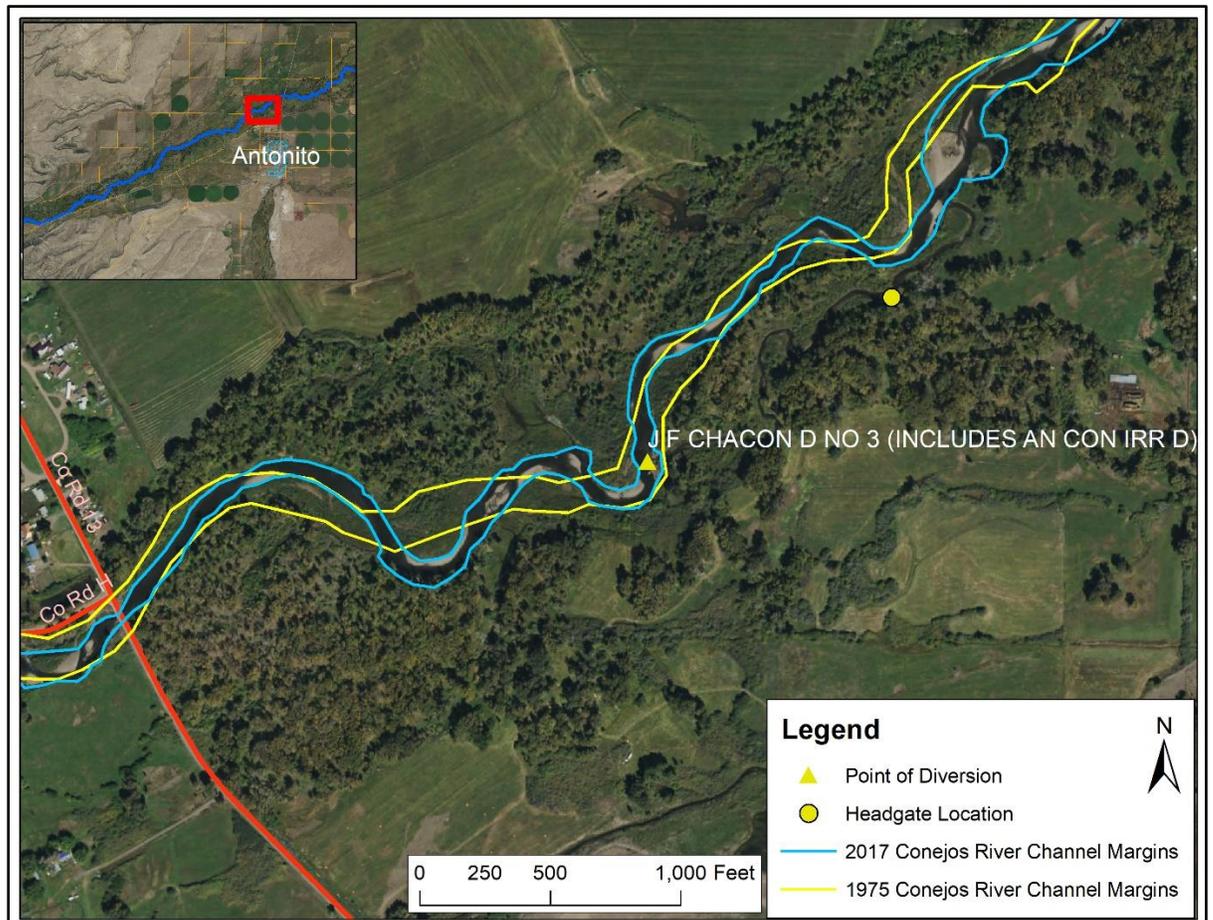
**JF CHACON D NO 3**

**PHOTO LOG**

**Conejos River Stream  
Management Plan**



JF Chacon No 3 point of diversion location with 1998 and 2017 channel margins overlaid.



JF Chacon No 3 point of diversion location with 1975 and 2017 channel margins overlaid.