

# CONEJOS RIVER

## DIVERSION INFRASTRUCTURE INVENTORY

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**Structure Name:** CHACON D NO 1

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**Reported By:** Daniel Boyes

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**Date:** April 2, 2019

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Headgate	Latitude	Longitude
Location:	37.080811	-106.056141

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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 type="checkbox"/>
	B <input type="checkbox"/>		B <input type="checkbox"/>		No <input checked="" type="checkbox"/>
	C <input checked="" type="checkbox"/>		C <input type="checkbox"/>	33.91 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:** N/A

**Structure Description:** A U-shaped rock weir diversion dam made up of boulders and debris directs water to the headgate, which is located on the east bank of the river. Concrete walls reinforce the headgate. Concrete blocks are used as bank stabilization upstream of the diversion, where the river appears to have limited floodplain access on its southern bank. At least one j-hook is upstream of the diversion. The river in this area, especially downstream of the point of diversion, is prone to avulsion and migration. During spring 2019 runoff, several large boulders making up the diversion dam were dislodged and transported downstream. The diversion now functions poorly, particularly during low flow conditions.

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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 replacing the diversion and headgate and replacing existing streambank stabilization with improved bank stabilization and riparian revegetation. An improved diversion and headgate would allow water users to divert water at all flow levels and would afford increased water control and reduced maintenance needs. New bank stabilization structures and riparian revegetation would improve bank stability as well as floodplain access and would reduce erosion. If improvements are made to the diversion, the TAT also recommends maintaining fish passage to preserve aquatic habitat connectivity.

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**Comments:** This ditch is a priority 31.

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**Notes:**

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**Estimated Range of Cost:** Medium

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Headgate looking downstream



Headgate and diversion dam



Headgate outlet



Channel looking upstream



Channel looking downstream at diversion dam



Flume looking upstream



**CONEJOS RIVER DIVERSION INFRASTRUCTURE INVENTORY**

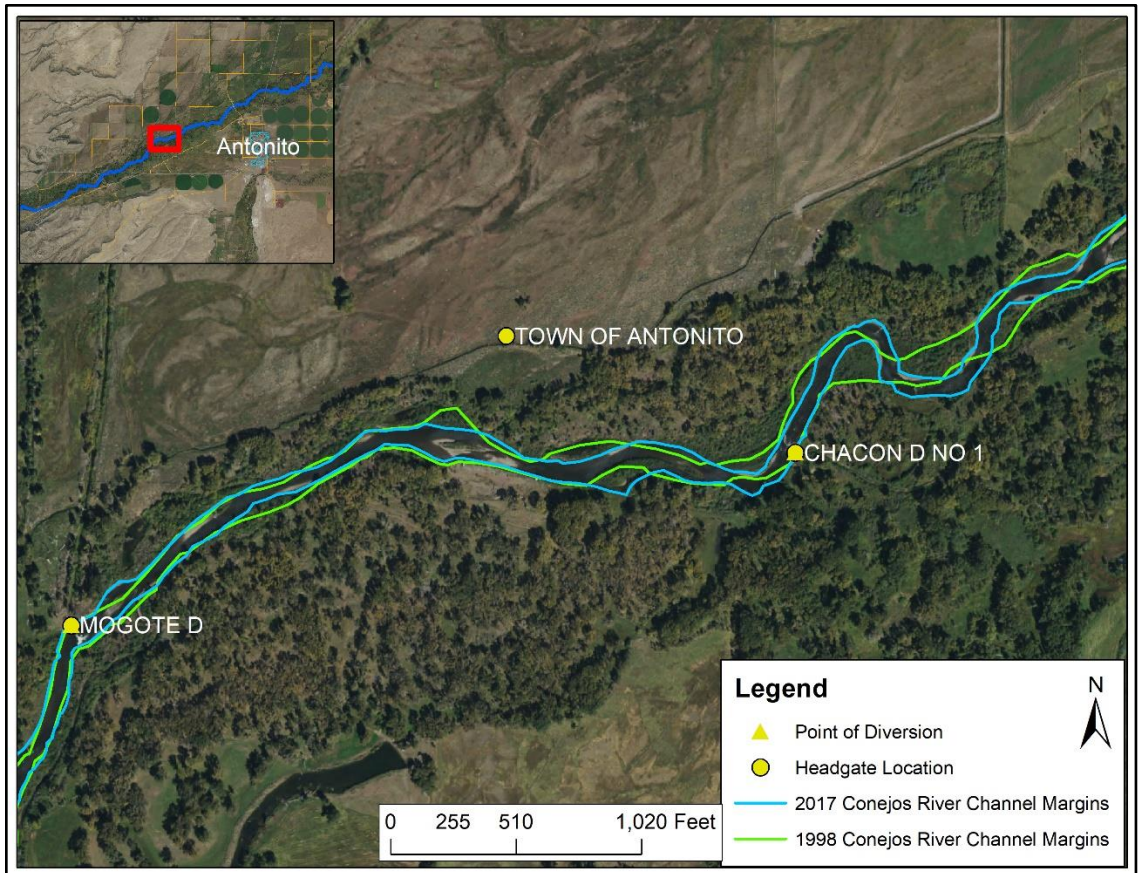
**CHACON D NO 1**

**PHOTO LOG**

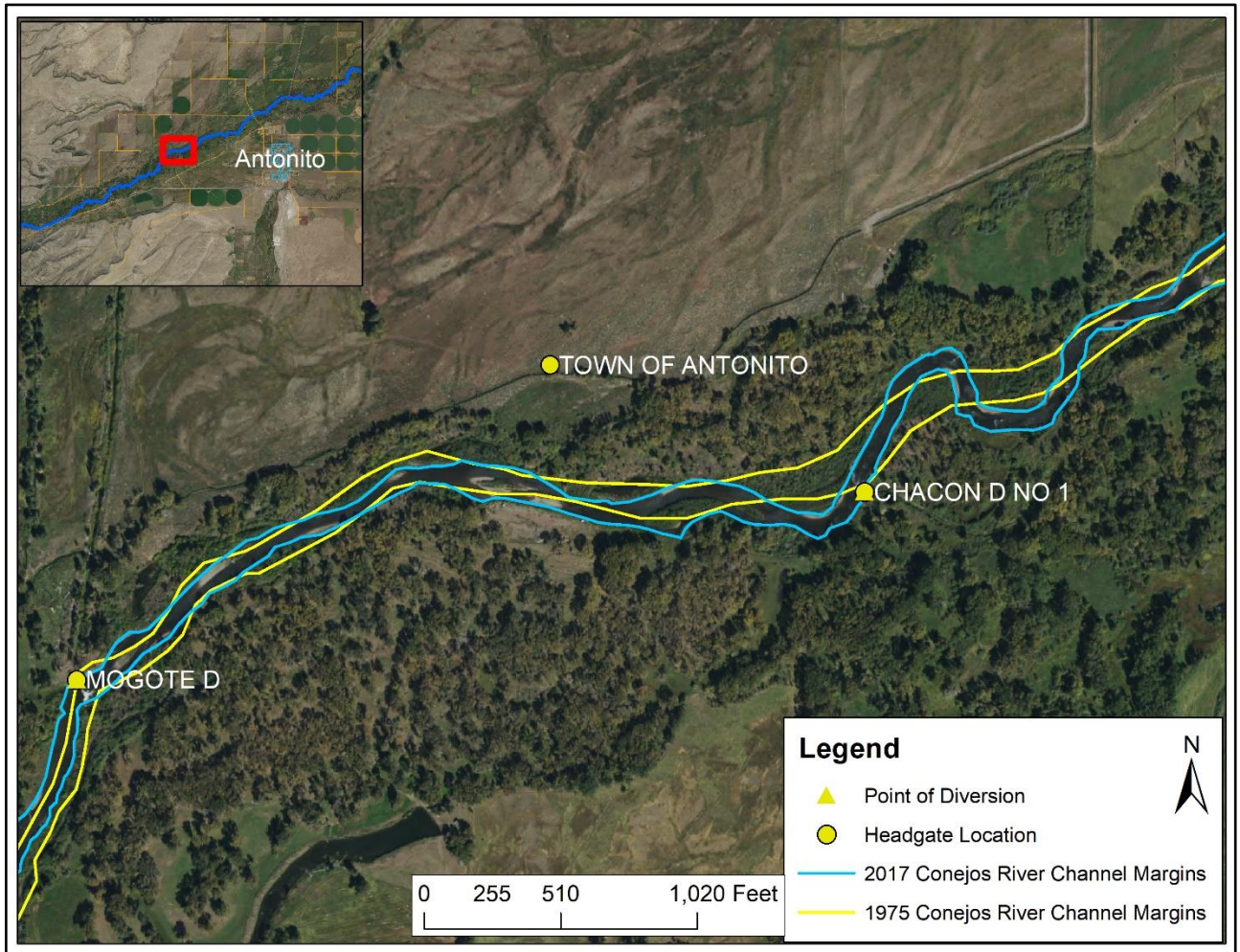
**Conejos River Stream  
Management Plan**



Diversion dam looking downstream post-2019 runoff



Chacon Ditch No 1 point of diversion with 1998 and 2017 channel margins overlaid



Chacon Ditch No 1 point of diversion with 1975 and 2017 channel margins overlaid