

CONEJOS RIVER DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: GABRIEL MARTINEZ D

Reported By: Daniel Boyes

Date: April 2, 2019

Headgate	Latitude	Longitude
Location:	37.058545	-106.101024

Headgate Type: Manually operated 4' wide steel slide gate

Headgate Condition:	A <input type="checkbox"/>	Diversion and Other Conditions:	A <input type="checkbox"/>	River Miles From Rio Grande Confluence (Point Of Diversion):	Structure Submerged: Yes <input checked="" type="checkbox"/>
	B <input checked="" type="checkbox"/>		B <input type="checkbox"/>		No <input checked="" type="checkbox"/>
	C <input type="checkbox"/>		C <input checked="" type="checkbox"/>		
	D <input type="checkbox"/>		D <input type="checkbox"/>	37.18 mi	
	F <input type="checkbox"/>		F <input type="checkbox"/>		

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

Structure Description: A U-shaped rock weir diversion dam directs water to the headgate, which is located on the south bank of Conejos River. A sluice gate is adjacent to the headgate. Downstream of the structure, a series of several U-shaped rock structures were installed. Meanders upstream of the structure are growing and channel avulsion has occurred in the past. A series of j-hooks were installed upstream of the structure on the south bank of the river. However, significant bank erosion has continued upstream of the j-hooks.

Repair(s) or Improvement(s) Currently Needed: The SMP Technical Advisory Team (TAT) recommends bank stabilization and riparian revegetation upstream of the structure to reduce erosion and increase channel and bank stability.

Comments: This ditch is a priority 15.

Notes:

Estimated Range of Cost: Low

Headgate looking downstream



Headgate outlet



Diversion dam



Headgate and diversion dam



Flume looking downstream



Flume looking upstream



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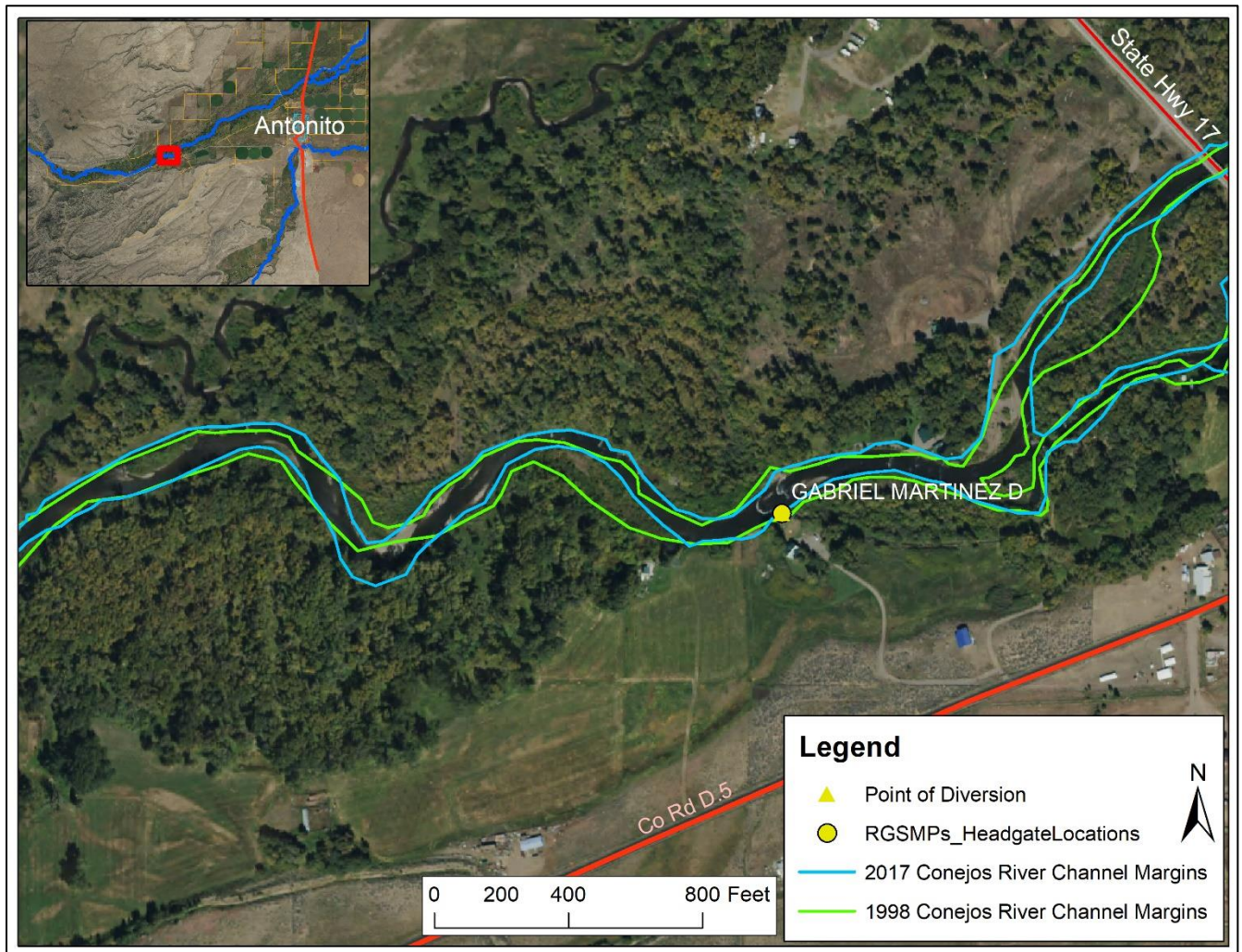
GABRIEL MARTINEZ DITCH

PHOTO LOG

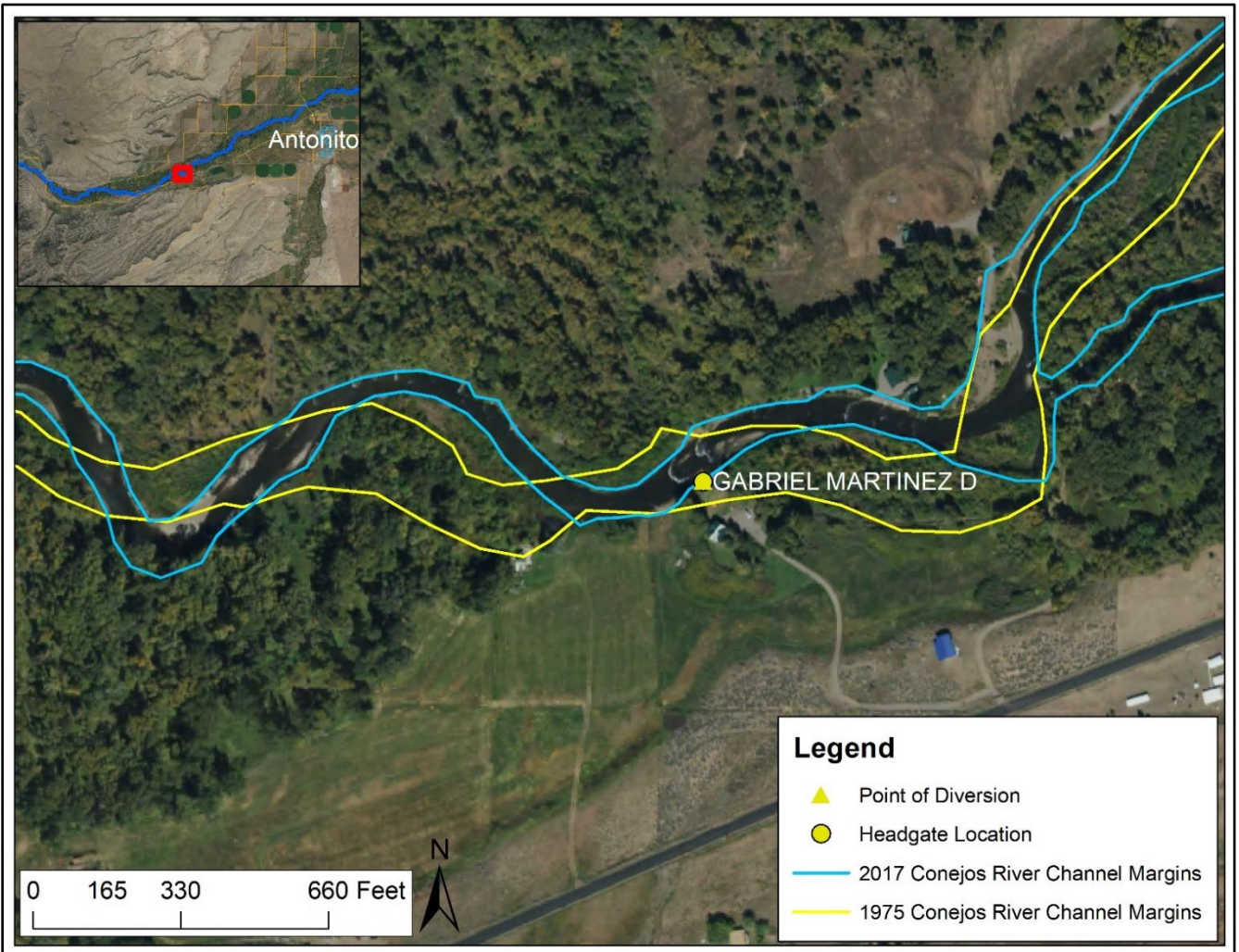
Conejos River Stream
Management Plan



Aerial image showing headgate location and in-stream improvement projects



Map of headgate location with 1998 and 2017 channel margins overlaid



Map of headgate location with 1975 and 2017 channel margins overlaid