

CONEJOS RIVER

DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: OVERFLOW D

Reported By: Daniel Boyes

Date: April 2, 2019

Headgate	Latitude	Longitude
Location:	37.10846667	-105.9773

Headgate Type: Manually operated 3' wide steel slide gate

Headgate Condition:	A <input type="checkbox"/>	Diversion and other Condition:	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 checked="" type="checkbox"/>	28.03 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"/>		

Repair(s) or Improvement(s) Completed Since 2006: None

Structure Description: This structure's diversion dam is made up of a small stacked rock structure and a fence just downstream that collects debris and acts as a makeshift diversion. A short feeder channel delivers water to the headgate, which is on the east side of the river. Woody debris accumulates in front of the headgate. The headwall is constructed of rock and appears to be in fair condition overall.

Repair(s) or Improvement(s) Currently Needed: Given the issues identified at this structure, the SMP Technical Advisory Team (TAT) recommends installing a new diversion dam and trash rack to effectively divert water at all flows and to reduce maintenance. 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.

Comments: The headwall is constructed of rock and overall appears to be in fair condition. From the piles of debris surrounding the structure, it was clear that a trash rack device would be beneficial. Flow is measured by a 4' Parshall flume. The Overflow Ditch is priority 20.

Notes:

Estimated Range of Cost: Low

Headgate entrance



Diversion dam



Headgate outlet



River downstream of headgate



River upstream of headgate



Flume looking downstream

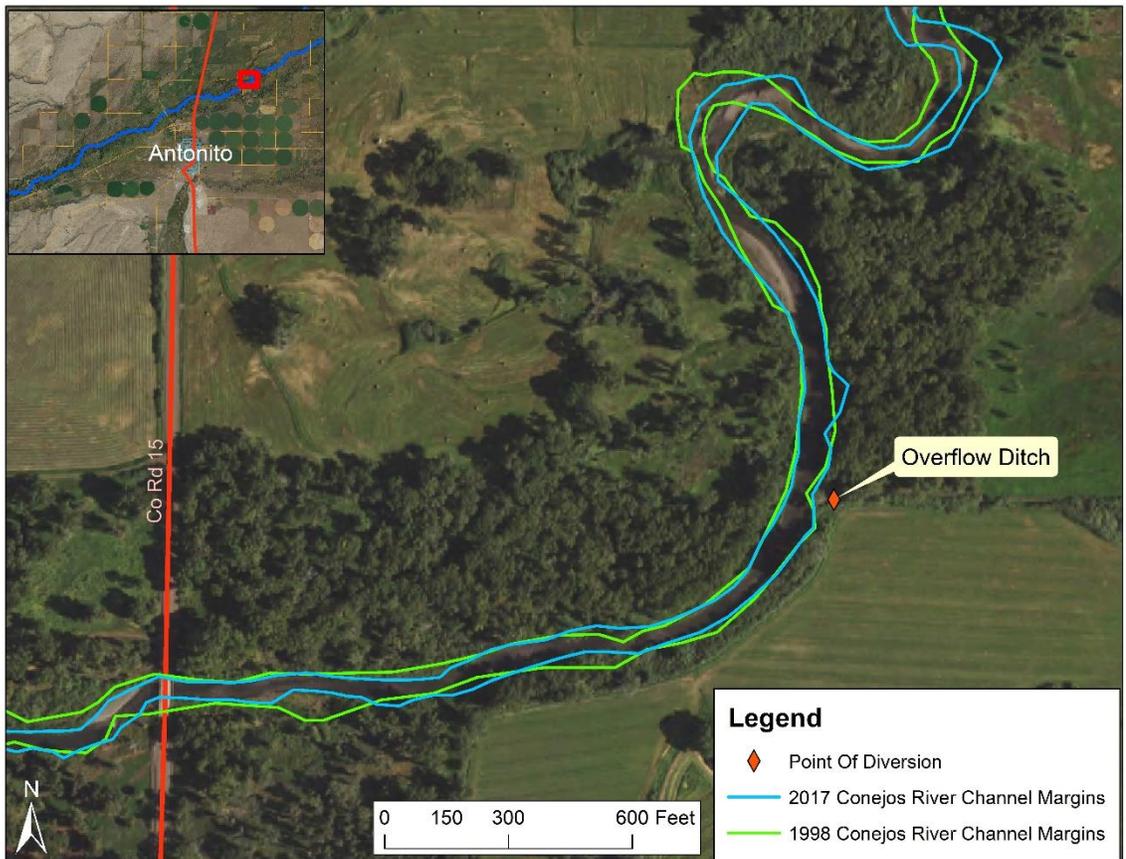


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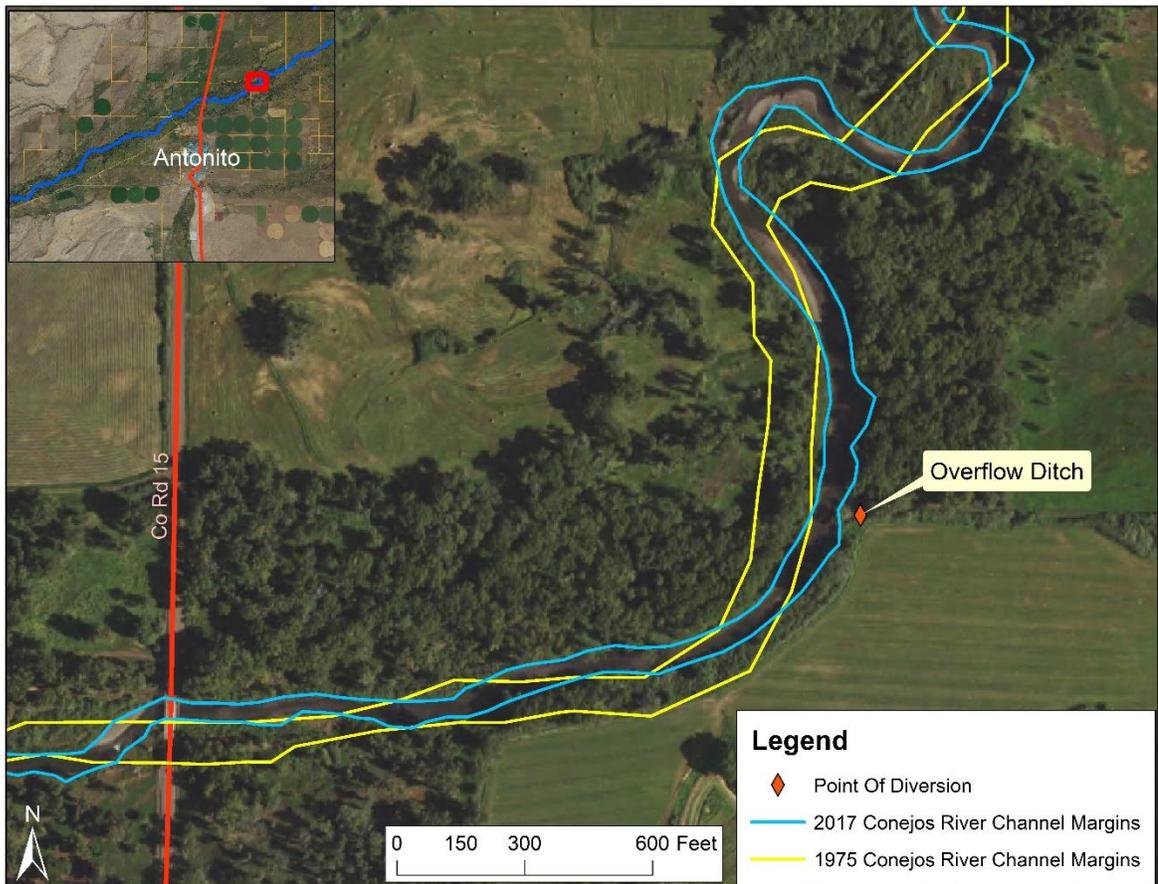
OVERFLOW DITCH

PHOTO LOG

**Conejos River Stream
Management Plan**



Overflow Ditch with 1998 and 2017 channel margins overlaid



Overflow Ditch with 1975 and 2017 channel margins overlaid