

CONEJOS RIVER

DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: TROGILLIO D

Reported By: Daniel Boyes

Date: April 15, 2019

Headgate	Latitude	Longitude
Location:	37.158083	-105.89711

Headgate Type: Manually operated 5' wide steel slide gate

Headgate	A <input type="checkbox"/>	Diversion and	A <input type="checkbox"/>	River Miles from	Structure Yes <input checked="" type="checkbox"/>
Condition:	B- <input checked="" type="checkbox"/>	Other Condition:	B <input type="checkbox"/>	Rio Grande	Submerged: No <input type="checkbox"/>
	C <input type="checkbox"/>		C <input type="checkbox"/>	Confluence (Point of	
	D <input type="checkbox"/>		D <input checked="" type="checkbox"/>	Diversion):	
	F <input type="checkbox"/>		F <input type="checkbox"/>	21.32 mi	

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

Structure Description: The river is relatively stable upstream and at the diversion, however significant lateral migration has occurred in the last 20 years downstream of the diversion. Additionally, channel avulsion could occur during a high flow event. A diversion dam made of large boulders, debris, and a repurposed molasses tank directs water to the headgate, which is located on the east bank of the river. The diversion can form a barrier to fish passage at some flow levels. Sediment and debris accumulate at the diversion and headgate.

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 adjacent sluice gate and implementing bank stabilization and riparian revegetation. The TAT also recommends creating fish passage at the diversion. A new diversion and sluice gate would create fish passage, allow for sediment and debris transport, and reduce maintenance. Bank stabilization and riparian revegetation would reduce erosion and improve river health and function.

Comments: This ditch includes priorities 21 and 30.

Notes:

Estimated Range of Cost: Medium-High

Headgate looking downstream



Headgate and diversion dam



Headgate outlet



Diversion dam looking upstream



Flume looking downstream



Flume looking upstream

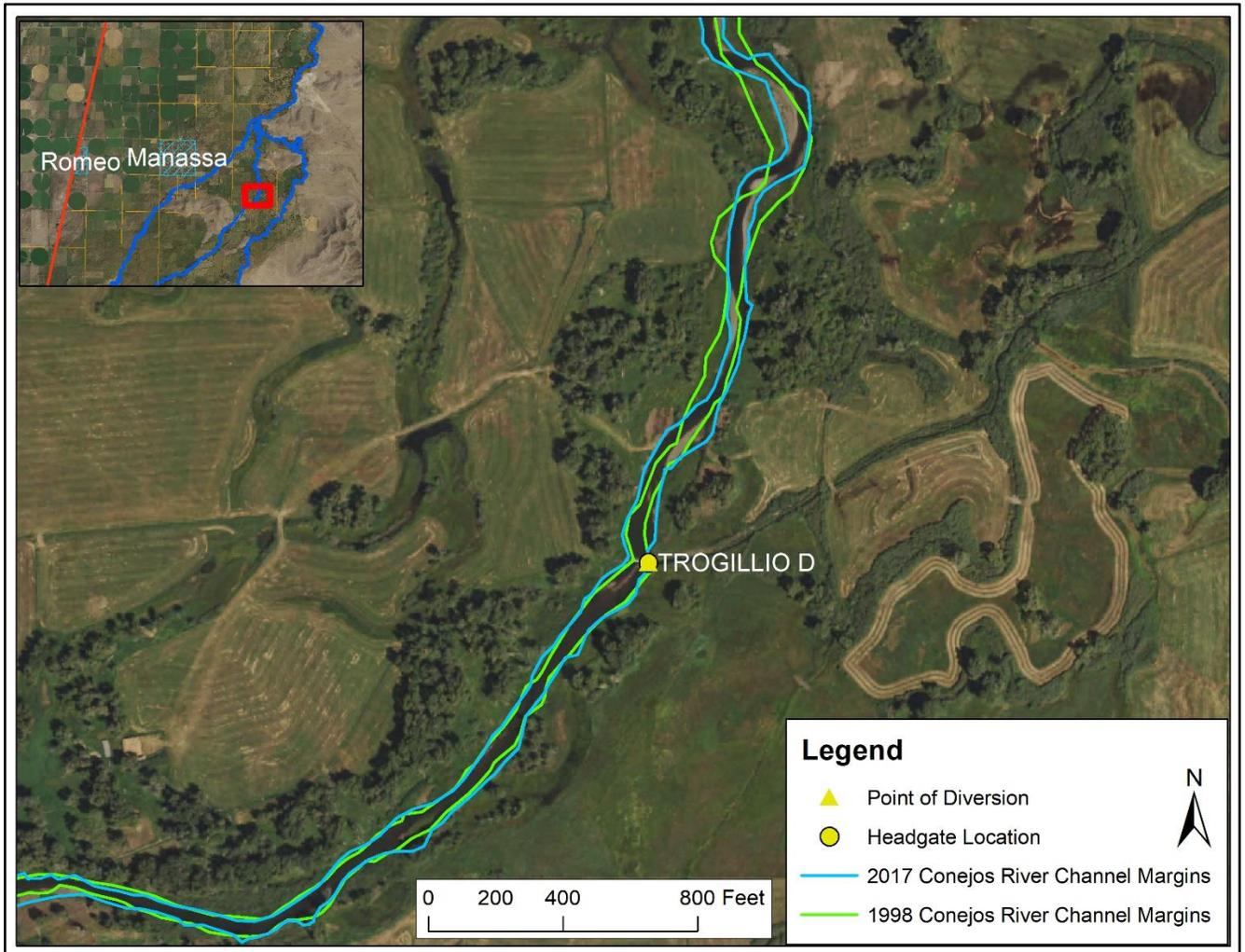


CONEJOS RIVER DIVERSION INFRASTRUCTURE INVENTORY

TROGILLIO DITCH

PHOTO LOG

Conejos River Stream Management Plan



Headgate location with 1998 and 2015 channel margins overlaid