

CONEJOS RIVER DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: COTTONWOOD D

Reported By: Daniel Boyes

Date: April 16, 2019

Headgate	Latitude	Longitude
Location:	37.190718	-106.895108

Headgate Type: Manually operated 4' wide wood 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 type="checkbox"/>		B <input type="checkbox"/>		No <input type="checkbox"/>
	C <input type="checkbox"/>		C+ <input checked="" type="checkbox"/>	18.29 mi	
	D <input type="checkbox"/>		D <input type="checkbox"/>		
	F <input checked="" type="checkbox"/>		F <input type="checkbox"/>		

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

Structure Description: This structure is located just downstream of the North Branch Conejos and Rio San Antonio confluence. The river is relatively stable in this area, however localized erosion is occurring at the diversion. A repurposed tank serves as the diversion dam, directing water to the headgate on the north bank of the river. The diversion functions but is a partial barrier to fish passage. The headwall is made of concrete and has significant spalling. A portion of the upstream side of the headwall has broken off and the river is eroding the bank around the headgate. The headgate is a wood screw gate and does not function well.

Repair(s) or Improvement(s) Currently Needed: The SMP Technical Advisory Team (TAT) recommends replacing the diversion, headgate and headwall, and flume. A new diversion and headgate would create fish passage and increase efficiency. A new Parshall flume would improve the measurement accuracy.

Comments: This ditch is a priority 95.

Notes:

Estimated Range of Cost: Medium-High

Headgate looking downstream



Conejos River upstream of headgate



Headgate outlet



Diversion dam



Flume looking downstream



Flume looking upstream

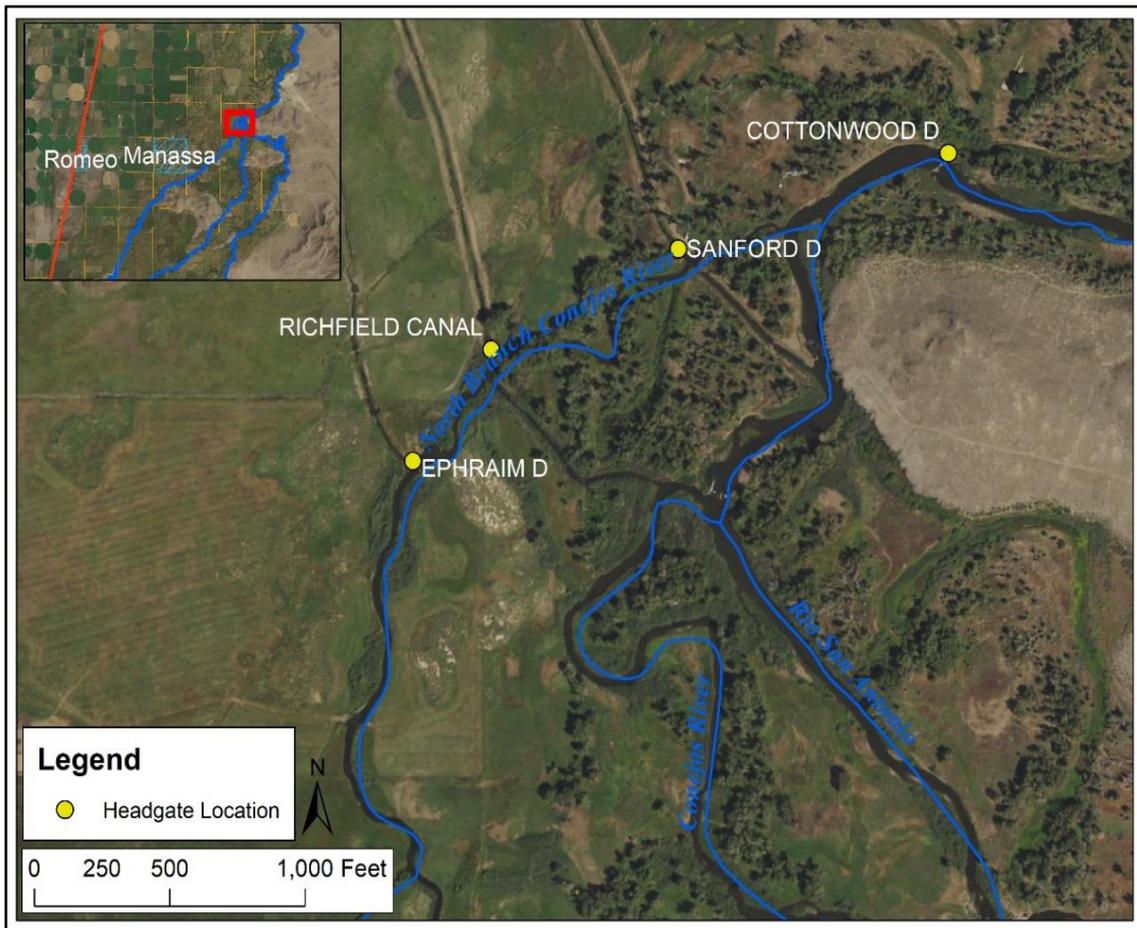


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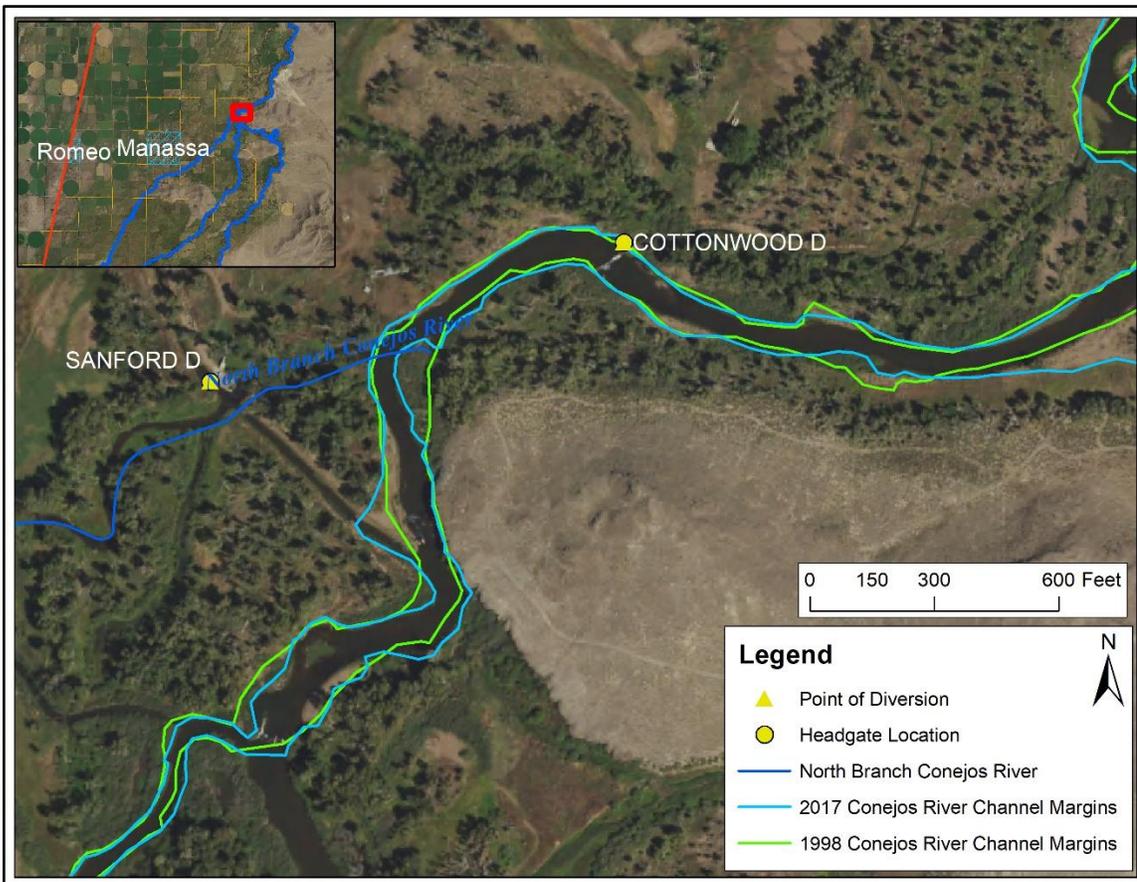
COTTONWOOD DITCH

PHOTO LOG

Conejos River Stream
Management Plan



Headgate location and upstream channel configuration.



Headgate location with 1998 and 2015 channel margins overlaid.