

CONEJOS RIVER

DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: EPHRAIM D

Reported By: Daniel Boyes

Date: April 16, 2019

Headgate	Latitude	Longitude
Location:	37.1877	-106.90186667

Headgate Type: Automated 6' wide steel slide gate.

Headgate Condition: A <input checked="" type="checkbox"/>	Diversion and Other Conditions: A <input checked="" type="checkbox"/>	River Miles From North Branch Conejos Terminus (Point of Diversion): 0.36 mi	Structure Submerged: Yes <input type="checkbox"/>
B <input type="checkbox"/>	B <input type="checkbox"/>		No <input checked="" 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: New automated headgate, core, and V-notch measurement devices installed in 2017.

Structure Description: The channel gradient here is very low and sediment accumulation is a maintenance issue. A long feeder channel comes off the North Branch's main channel and runs approximately 0.7 miles to this structure's recently installed diversion. The concrete diversion dam directs flow to the headgate, which sits along the west bank of the channel. There is a sluice gate adjacent to the headgate. This ditch is just upstream of the Richfield Canal and Sanford Ditch.

Repair(s) or Improvement(s) Currently Needed: Given these issues, the SMP Technical Advisory Team (TAT) recommends implementing bank stabilization. Bank stabilization and riparian revegetation would reduce erosion and improve river health and function.

Comments: This ditch is a priority 56.

Notes:

Estimated Range of Cost: Low

Headgate looking downstream



Headgate outlet



Diversion dam looking upstream



Diversion dam



Diversion dam looking upstream



Flume looking upstream

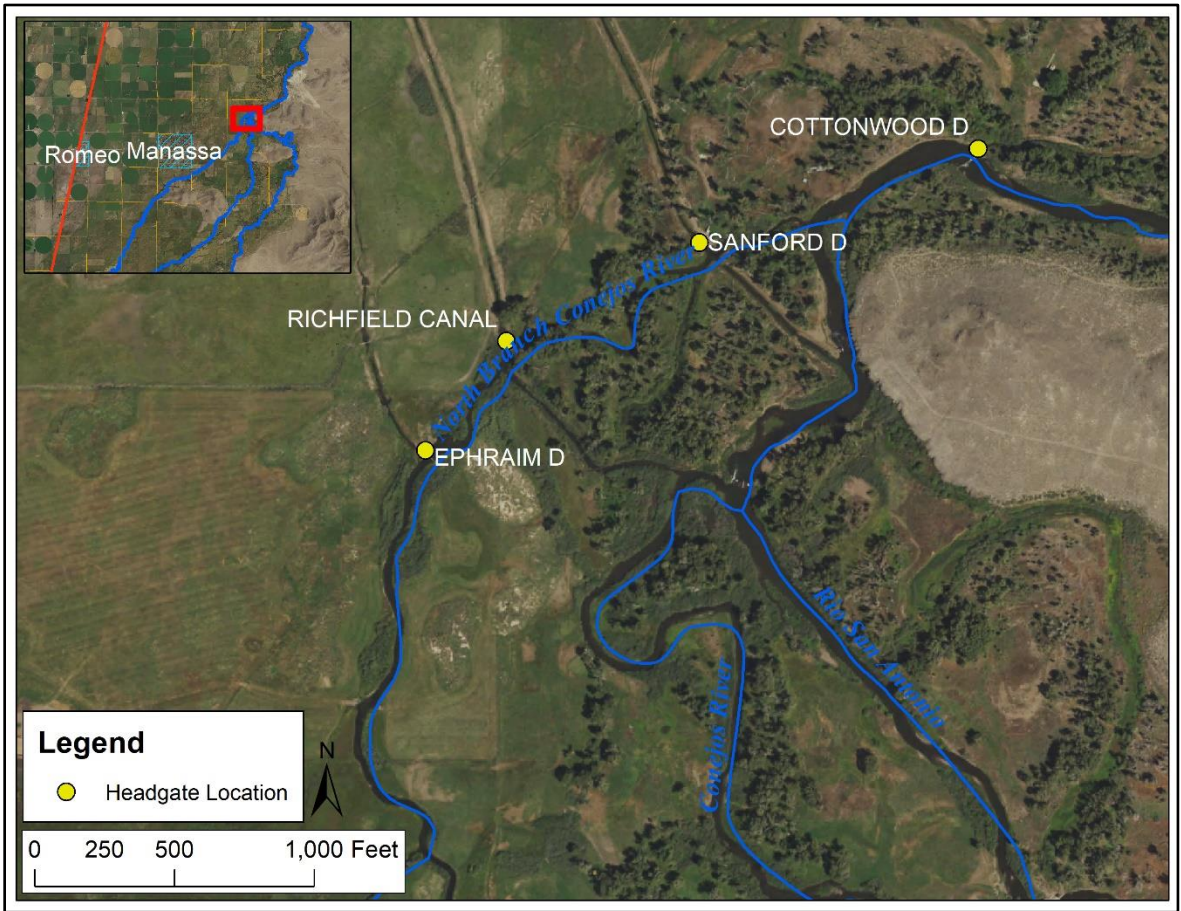


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EPHRAIM DITCH

PHOTO LOG

Conejos River Stream
Management Plan



Ephraim Ditch relative to Richfield Canal and Sanford Ditch.