

CONEJOS RIVER

DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: RICHFIELD CANAL

Reported By: Daniel Boyes

Date: April 16, 2019

Headgate	Latitude	Longitude
Location:	37.18878333	-105.900883

Headgate Type: Manually operated 5' wide steel slide gate

Headgate Condition:	A <input type="checkbox"/>	Diversion and other Conditions:	A <input type="checkbox"/>	River Miles From North Branch Conejos Terminus (Point of Diversion):	Structure Submerged:	Yes <input type="checkbox"/>
	B+ <input checked="" 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 checked="" type="checkbox"/>			
	F <input type="checkbox"/>		F <input type="checkbox"/>	0.26 mi		

Repair(s) or Improvement(s) Since 2006: No repairs needs are anticipated after completion of the above repairs.

Repair(s) or Improvement(s) Needed: Current repairs are in progress. Current repairs include repairing the carrier, installing a new core, and installing a new headgate (estimated completion date of 2020). Fish passage should be considered as part of any future repairs or improvements to the diversion. Riparian vegetation restoration should also be considered to reduce erosion and provide stream shading.

Upstream Configuration: Located on the North Branch of the Conejos River near the South Branch Conejos River and Rio San Antonio confluences. The headgate sits along the west bank of the channel. This ditch can receive water from the North and South Branches of the Conejos River as well as the Rio San Antonio. Approximately 1.25 miles upstream, a feeder ditch comes off the South Branch Conejos River and directs river flow to the North Branch Conejos River, which services the Ephraim Ditch. Any unused water at the Ephraim Ditch is available at the Richfield Canal via the North Branch Conejos. In addition, there is a diversion dam located at the confluence of the South Branch Conejos River and Rio San Antonio that diverts flow to a ~1,000 foot feeder channel that also serves this headgate. Any water not diverted by the Richfield Canal from either of these feeder channels is then available at the Sanford Ditch via the North Branch Conejos River.

Comments: This ditch includes priorities 59 and 105.

Notes:

Estimated Range of Cost: Low

Headgate looking upstream



Ditch upstream of headgate



Diversion dam at confluence of Rio San Antonio and South Branch Coneos River



Ditch downstream of headgate



Debris at headgate



Flume looking downstream

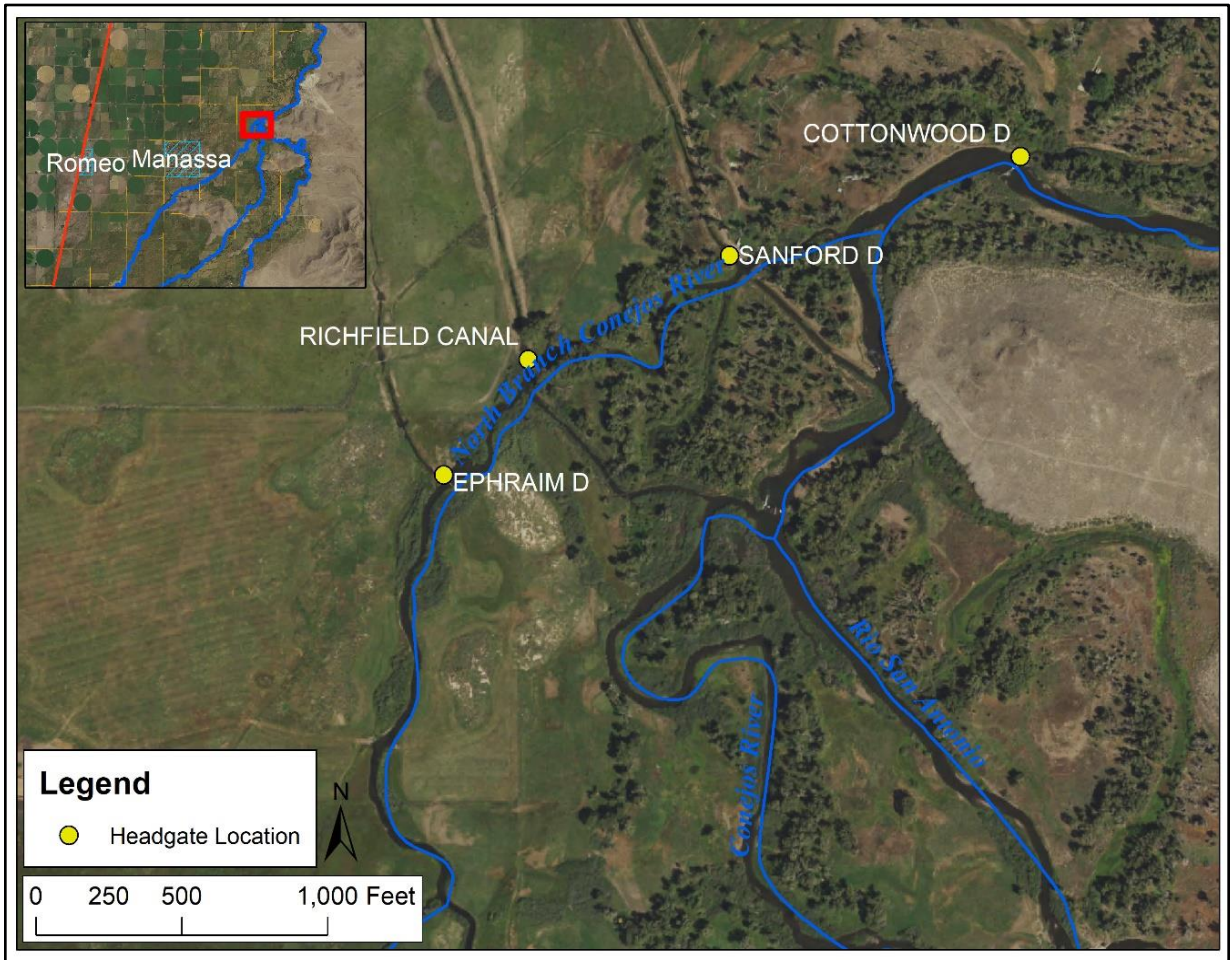


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RICHFIELD CANAL

PHOTO LOG

**Conejos River Stream
Management Plan**



Map of Richfield Canal relative to Ephraim Ditch and Sanford Ditch.