

# CONEJOS RIVER

## DIVERSION INFRASTRUCTURE INVENTORY

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**Structure Name:** EL SERRITO D

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**Reported By:** Daniel Boyes

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**Date:** April 15, 2019

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Headgate	Latitude	Longitude
Location:	37.150561	-106.907062

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**Headgate Type:** Manually operated 2' wide steel slide gate

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<b>Headgate Condition:</b>	A <input type="checkbox"/>	<b>Diversion and other Conditions:</b>	A <input type="checkbox"/>	<b>River Miles from Rio Grande Confluence (Point of Diversion):</b>	<b>Structure Submerged:</b> Yes <input type="checkbox"/>
	B- <input checked="" type="checkbox"/>		B- <input checked="" type="checkbox"/>	22.16 mi	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"/>		

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

**Structure Description:** This structure is located just downstream of County Rd M. A stacked rock diversion dam directs water to the headgate, which is located on the north bank of the channel. The diversion dam accumulates woody debris, which is a significant maintenance issue. It is also a barrier to fish passage, especially at low flow. The river is stable in this area. The County Road M bridge located approximately 110 ft upstream of this structure may negatively affect this structure, particularly during a high flow event. Large gravel piles have accumulated on the banks of the river, leading to increased velocity and scour downstream of the bridge. This scour may cause sedimentation at the diversion dam and headgate if it is not addressed. In addition, a fence crossing the river just upstream of the bridge collects woody debris. If the fence washes out, the debris flow could damage this structure.

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**Repair(s) or Improvement(s) Currently Needed:** The SMP Technical Advisory Team (TAT) recommends installing a new diversion dam and creating fish passage at this location. A new diversion could be designed to divert water at all flows, mitigate debris accumulation, and allow for fish passage.

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**Comments:** This ditch includes priorities 14, and 165.

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**Notes:**

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**Estimated Range of Cost:** Low

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Headgate looking downstream



Headgate outlet



Diversion dam looking downstream



Diversion dam and Road M bridge looking upstream



Diversion dam



Flume looking upstream

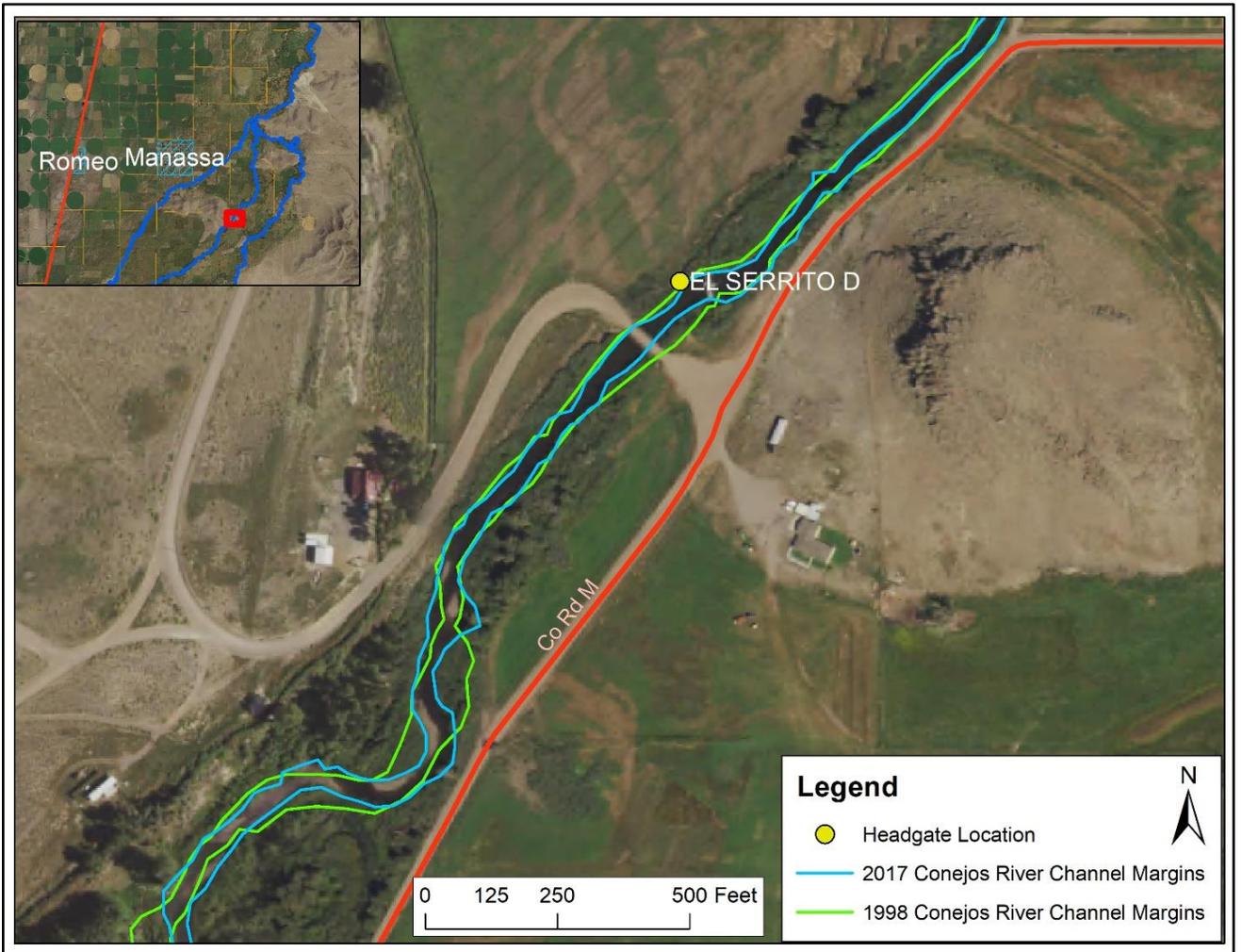


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EL SERRITO DITCH

PHOTO LOG

Conejos River Stream Management Plan



Map of headgate location with 1998 and 2015 channel margins overlaid.