

# 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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<b>Headgate</b>	<b>Latitude</b>	<b>Longitude</b>
<b>Location:</b>	37.150561	-106.907062

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

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<b>Headgate</b>	A <input type="checkbox"/>	<b>Diversion and</b>	A <input type="checkbox"/>	<b>River Miles From</b>	<b>Structure</b>	Yes <input type="checkbox"/>
<b>Condition:</b>	B- <input checked="" type="checkbox"/>	<b>other Conditions:</b>	B- <input checked="" type="checkbox"/>	<b>North Branch Conejos</b>	<b>Submerged:</b>	No <input checked="" type="checkbox"/>
	C <input type="checkbox"/>		C <input type="checkbox"/>	<b>Terminus (Point Of</b>		
	D <input type="checkbox"/>		D <input type="checkbox"/>	<b>Diversion):</b>		
	F <input type="checkbox"/>		F <input type="checkbox"/>	22.16 mi		

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

**Repair(s) or Improvement(s) Currently Needed:** Apart from regular debris clearing on the diversion dam, headgate, flume, and ditch, no immediate repair or improvements needs were noted at this structure. However, there is potential for adverse effects in the future. The County Road M Bridge, located ~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 for this structure 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. Additionally, there is potential to improve fish passage and riparian vegetation in this area. Fish and boat passage should be considered as part of any improvements to the diversion. Riparian restoration should also be included in any future repairs or improvements.

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**Structure Description:** Located on the South Branch of the Conejos River just downstream of the County Rd M bridge. A stacked rock diversion dam directs water to the headgate, which is located on the north bank of the channel. The river channel has migrated very little in the last 45 years, due to the geologic controls of the surrounding bedrock hills as well as County Rd M running parallel to the river.

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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

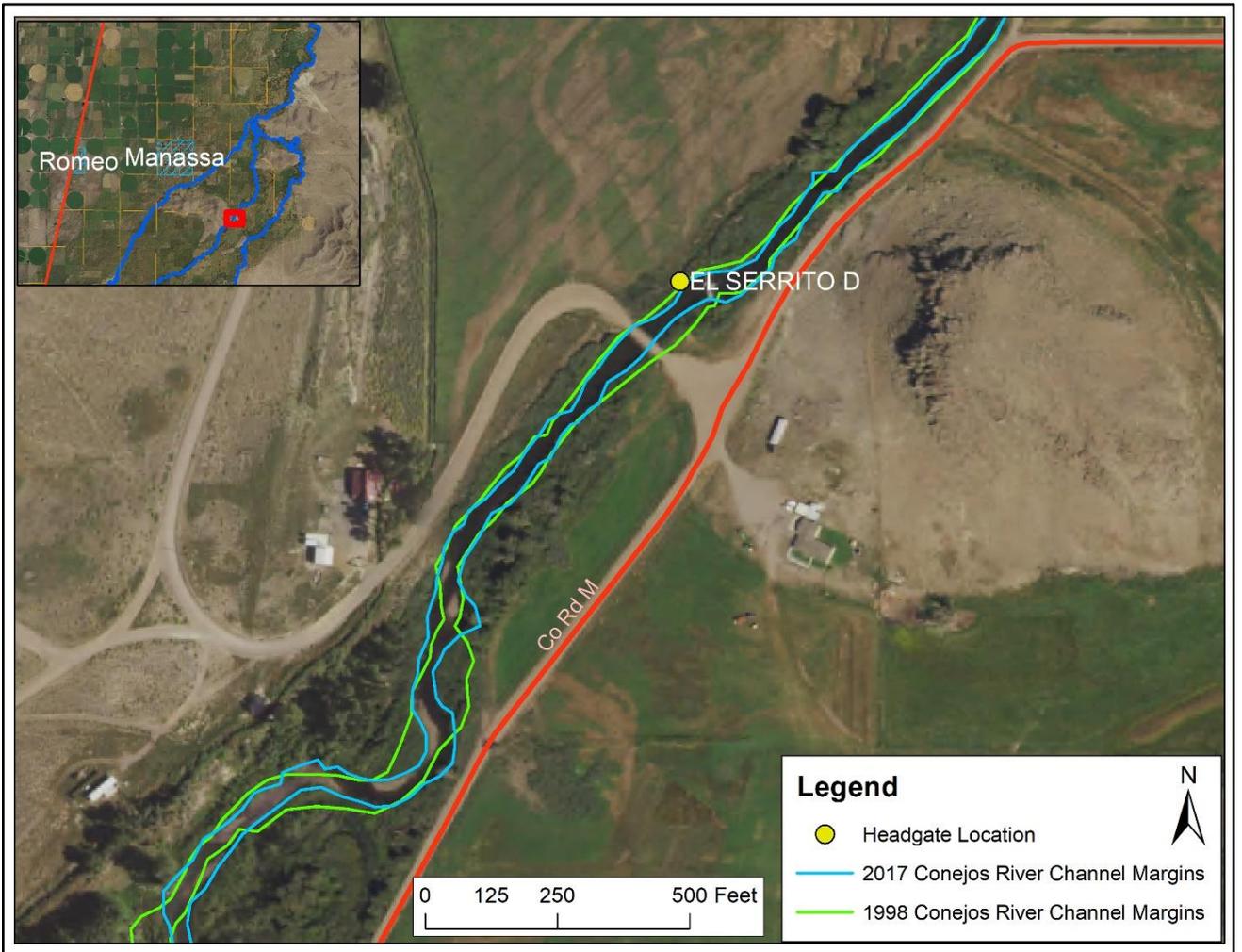


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EL SERRITO DITCH

PHOTO LOG

Conejos River Stream Management Plan



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