

# CONEJOS RIVER

## DIVERSION INFRASTRUCTURE INVENTORY

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**Structure Name:** ALAMO D

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**Reported By:** Daniel Boyes

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**Date:** April 17, 2019

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Headgate	Latitude	Longitude
Location:	37.281466	-106.830175

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**Headgate Type:** Manually operated 4' wide steel slide gates (2)

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<b>Headgate Condition:</b>	A <input checked="" 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 checked="" type="checkbox"/>
	B <input type="checkbox"/>		B+ <input checked="" type="checkbox"/>		No <input type="checkbox"/>	
	C <input type="checkbox"/>		C <input type="checkbox"/>	8.34 mi		
	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:** The headgate and diversion dam were replaced and relocated upstream.

**Structure Description:** A U-shaped rock weir diversion dam directs water to the headgate, which is located on the north bank of Conejos River. The headgate is located on the inside of a meander. A sluice gate sits adjacent to the main headgate. Upstream of the diversion, meanders have been developing over the last 45 years and meander cutoffs are likely in the future. The headgate and diversion dam require regular maintenance due to the sand/small gravel-dominated substrate but otherwise function well. Debris accumulates in the ditch downstream of the headgate and in the flume. This woody debris needs to be regularly removed, especially from the Parshall flume. The south bank of the river immediately downstream of the headgate is experiencing significant erosion and lacks floodplain connection

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**Repair(s) or Improvement(s) Currently Needed:** The SMP Technical Advisory Team (TAT) recommends bank restoration by installing rock structures to reduce erosion and reconnecting this part of the river with its floodplain. The TAT also recommends maintaining fish passage to preserve aquatic habitat connectivity in this reach

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**Comments:** This ditch includes priorities 58, 108, and 137.

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**Notes:**

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**Estimated Range of Cost:** Low

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Headgate looking downstream



Headgate outlet



Headgate and diversion dam (upstream)



Headgate and diversion dam



Channel looking downstream



Flume looking upstream

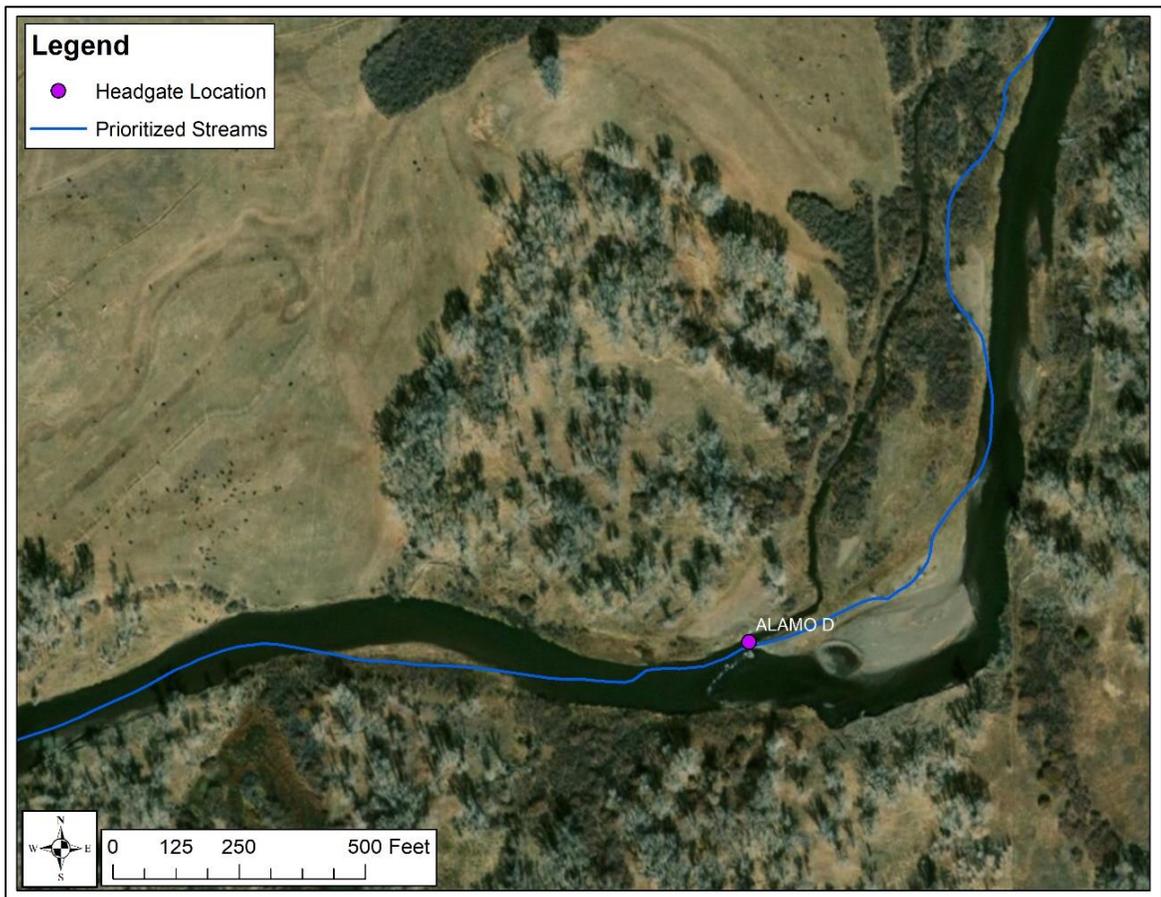


CONEJOS RIVER DIVERSION INFRASTRUCTURE INVENTORY

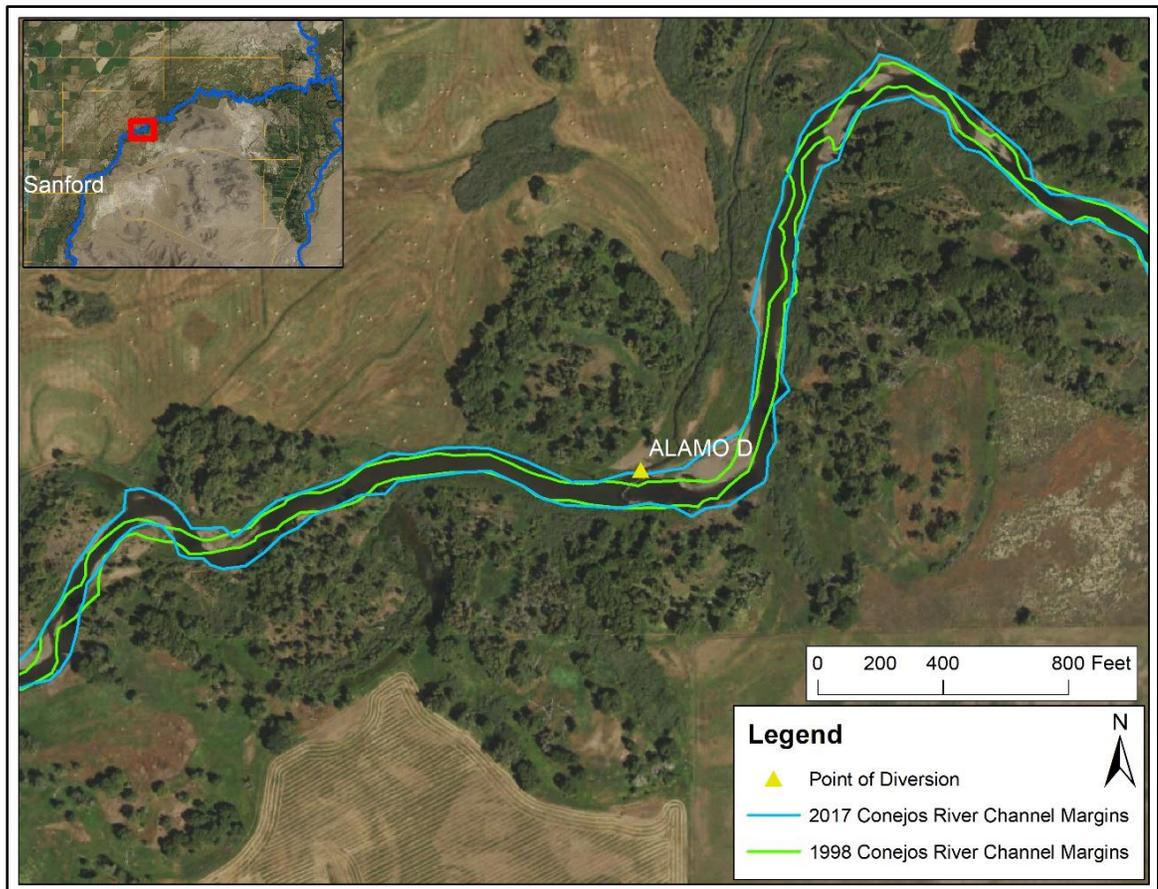
ALAMO DITCH

PHOTO LOG

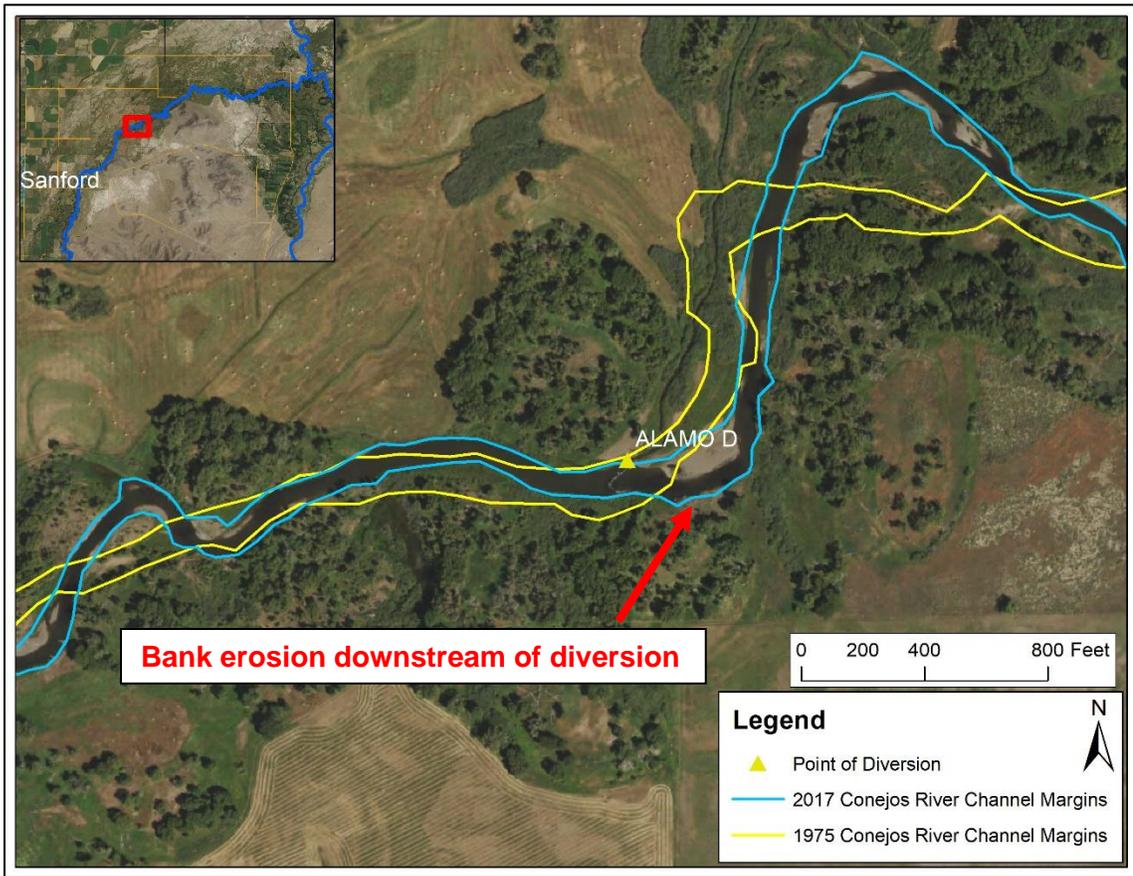
Conejos River Stream  
Management Plan



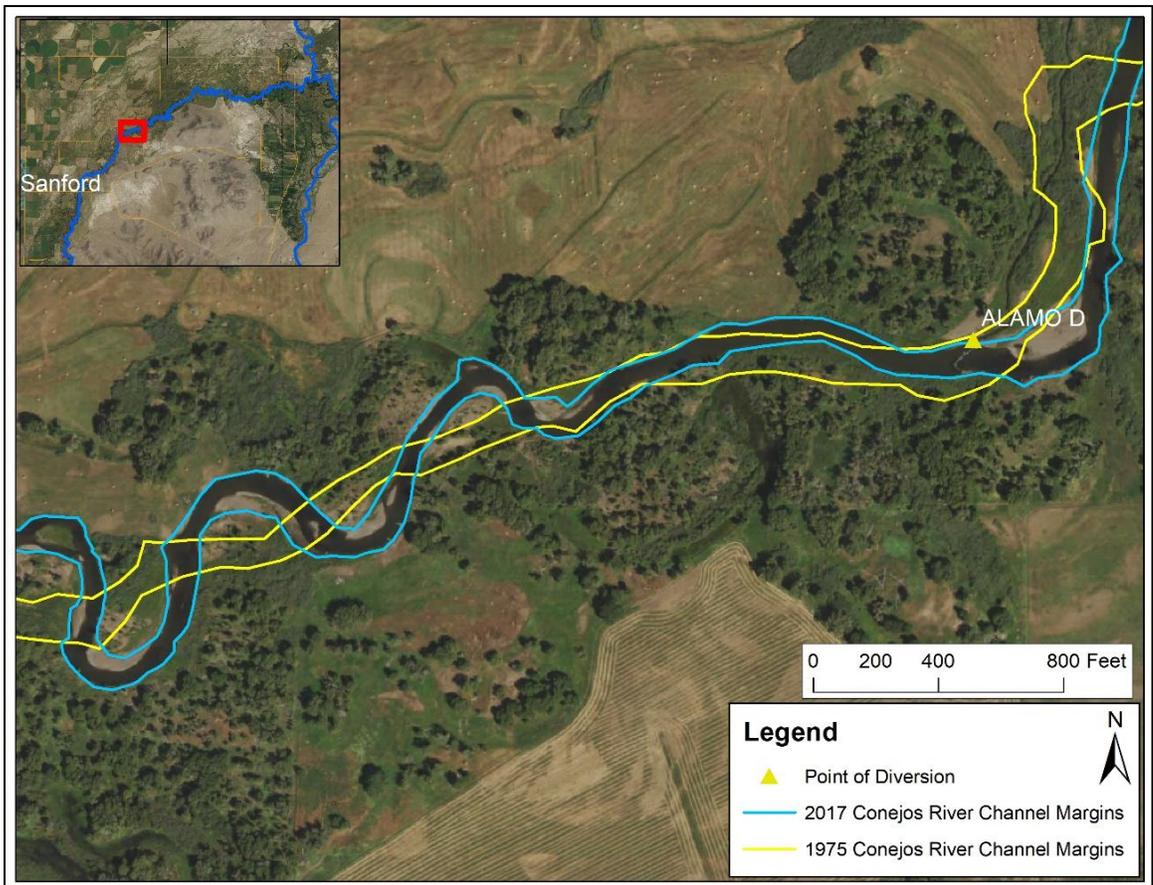
Aerial image showing Alamo Ditch diversion and headgate location



Headgate location with 1998 and 2015 channel margins overlaid



Headgate location with 1975 and 2015 channel margins overlaid



Headgate location with 1975 and 2015 channel margins overlaid, illustrating meander development upstream of diversion