

# CONEJOS RIVER

## DIVERSION INFRASTRUCTURE INVENTORY

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**Structure Name:** EAST BEND NO 2 D

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**Reported By:** Daniel Boyes

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**Date:** April 16, 2019

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Headgate	Latitude	Longitude
Location:	37.248754	-106.862391

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

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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 type="checkbox"/>		B <input type="checkbox"/>		No <input checked="" type="checkbox"/>	
	C <input type="checkbox"/>		C <input type="checkbox"/>	12.11 mi		
	D <input checked="" type="checkbox"/>		D <input checked="" 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:** The meanders upstream of the diversion have tightened over the last 45 years and channel avulsion may occur at high flows. A minimal stacked rock diversion dam directs water to the headgate, which is located on the east bank of the river. The head wall is made up of a combination of boards, concrete and grouted rock. The headgate has plywood covering the opening to reduce leakage.

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**Repair(s) or Improvement(s) Currently Needed:** Given the issues identified at this structure, the SMP Technical Advisory Team (TAT) recommends replacing the diversion, headgate and Parshall flume. A new diversion would require less maintenance and improves sediment transport and river function. A new headgate and flume would increase efficiency. The TAT also recommends maintaining fish passage to preserve aquatic habitat connectivity in this reach.

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**Comments:** This ditch includes priorities 88, 103, and 110.

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**Notes:**

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**Estimated Range of Cost:** Medium

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Headgate looking downstream



Headgate and diversion dam



Headgate outlet



Diversion dam



Flume looking downstream



Flume looking upstream

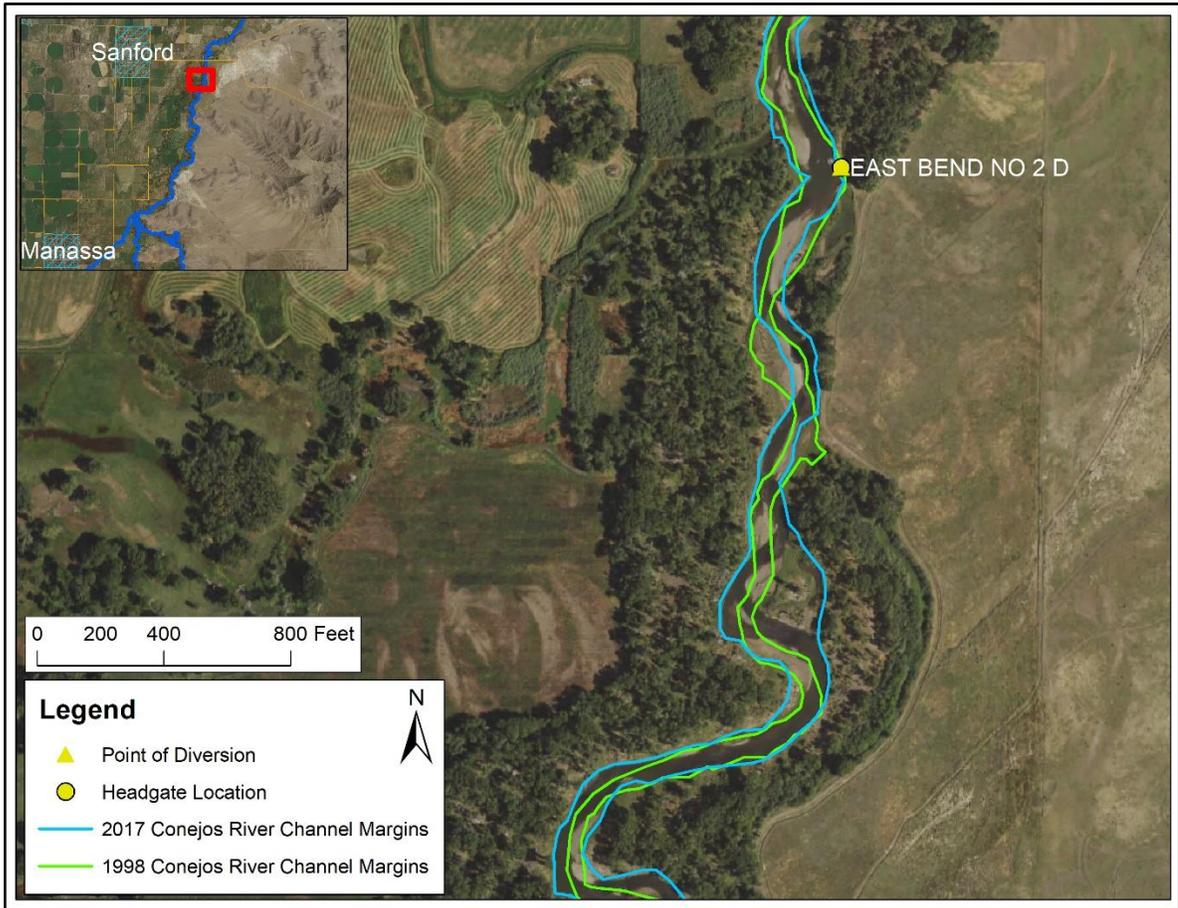


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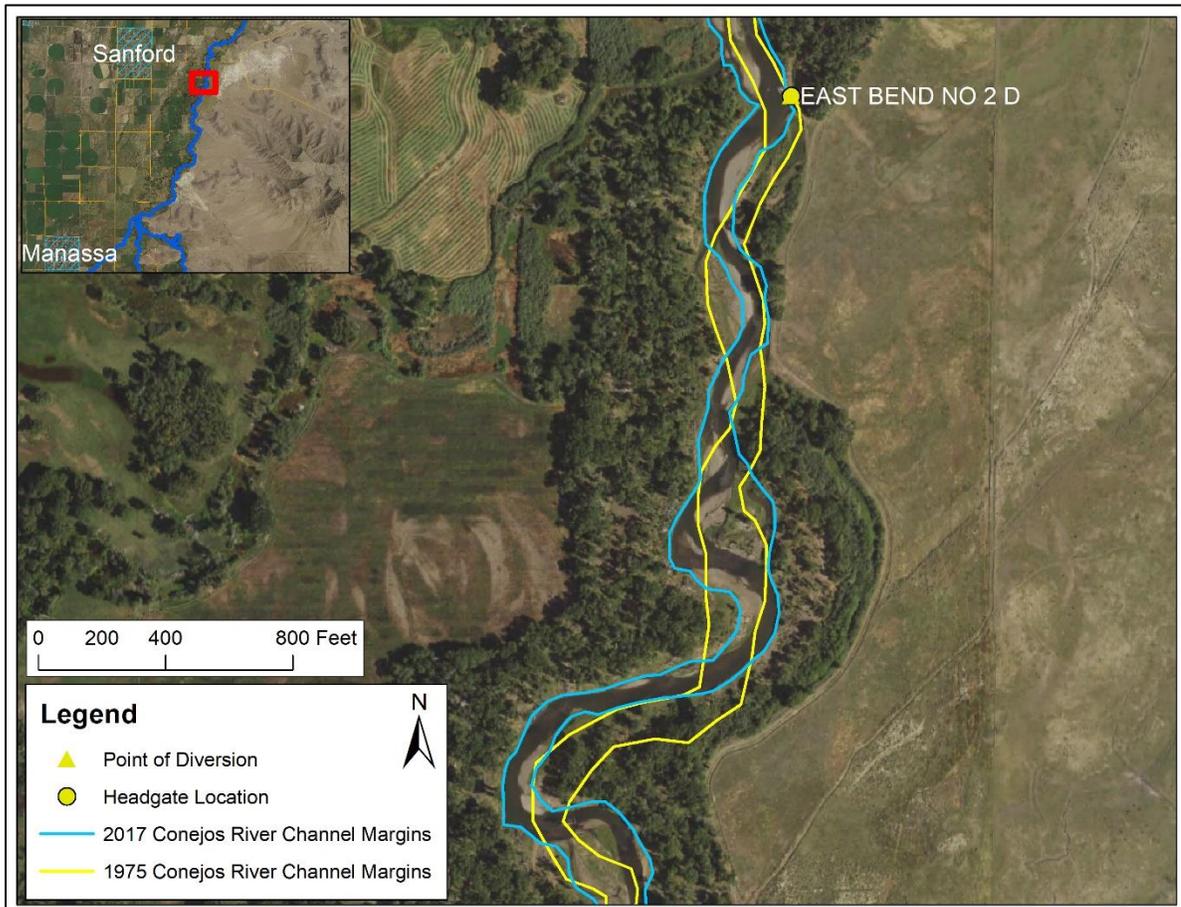
EAST BEND NO 2 DITCH

PHOTO LOG

Conejos River Stream  
Management Plan



Map of headgate location with 1998 and 2015 channel margins overlaid



Map of headgate location with 1975 and 2015 channel margins overlaid