

CONEJOS RIVER

DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: SABINE SCHOOL SECTION D

Reported By: Daniel Boyes

Date: April 15, 2019

Headgate	Latitude	Longitude
Location:	37.1021666	-105.0022

Headgate Type: Manually operated 4' wide steel slide gate

Headgate Condition:	A <input type="checkbox"/>	Diversion and Other Condition:	A <input type="checkbox"/>	River Miles from Rio Grande Confluence (Point of Diversion):	Structure Submerged: Yes <input checked="" type="checkbox"/>
	B <input type="checkbox"/>		B <input type="checkbox"/>		No <input type="checkbox"/>
	C <input checked="" type="checkbox"/>		C <input type="checkbox"/>	29.92 mi	
	D <input type="checkbox"/>		D <input type="checkbox"/>		
	F <input type="checkbox"/>		F <input checked="" type="checkbox"/>		

Repair(s) or Improvement(s) Completed Since 2006: None

Structure Description: The structure is located on the South Branch of the Conejos River at the apex of a meander. A repurposed molasses tank serves as the diversion dam and directs flow to the headgate, which is located on the north bank of the river. Some lateral migration of the meanders has occurred in this area, especially downstream of this structure. The streambank surrounding the headgate and diversion dam experiences erosion on an annual basis. If this erosion continues, it may wash out the headgate. The diversion dam is in disrepair. A segment of the tank forming the diversion dam has washed downstream and the channel surrounding the remaining dam has been scoured and may fail at high flows. Water users have difficulty diverting water at low flows. The diversion also appears to be a partial barrier to fish passage, especially at low flows.

Repair(s) or Improvement(s) Currently Needed: Given the issues identified at this structure, the SMP Technical Advisory Team (TAT) recommends replacing and/or potentially relocating the diversion and headgate, and implementing streambank stabilization and riparian revegetation upstream and downstream of the structure. A new diversion and headgate would create fish passage and connectivity, increase ditch efficiency and allow water users to divert water at all water levels, and reduce maintenance. Streambank stabilization would reduce erosion and help protect key diversion infrastructure.

Comments: This ditch is a priority 39.

Notes:

Estimated Range of Cost: Medium-High

Headgate looking downstream



Headgate Outlet



Headgate and diversion dam



Diversion dam looking upstream



Flume looking downstream



Flume looking upstream

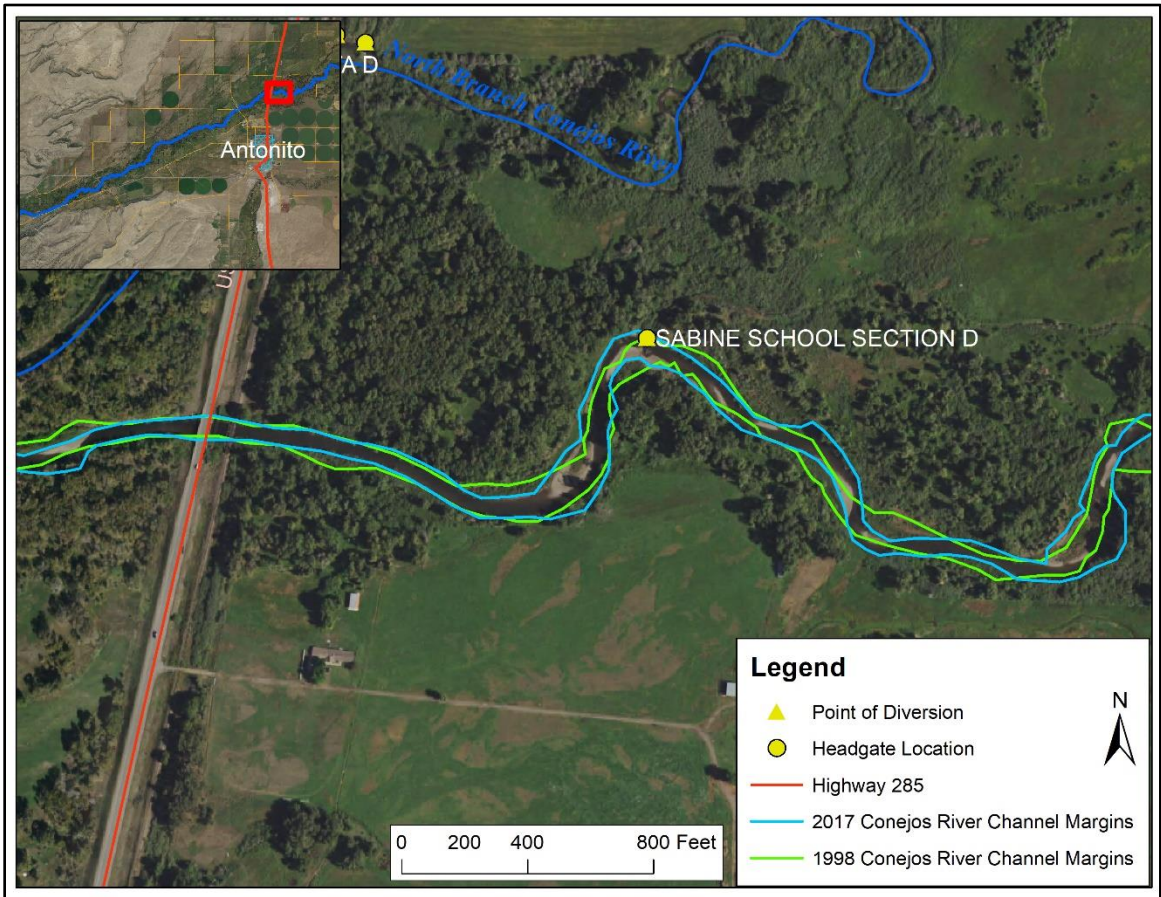


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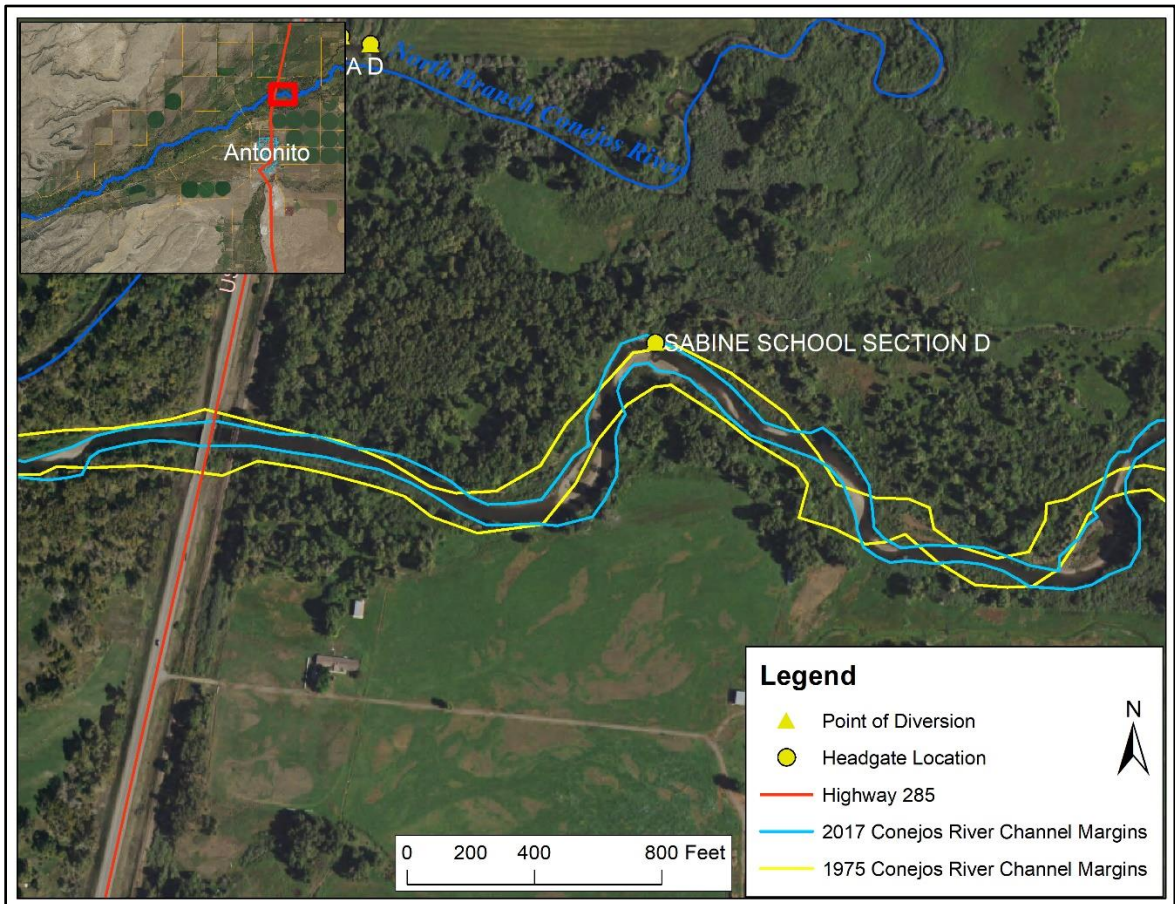
SABINE SCHOOL SECTION DITCH

PHOTO LOG

Conejos River Stream
Management Plan



Headgate location with 1998 and 2017 channel margins overlaid.



Headgate location with 1975 and 2017 channel margins overlaid.