

CONEJOS RIVER

DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: ANGUSTURA D

Reported By: Daniel Boyes

Date: April 2, 2019

Headgate	Latitude	Longitude
Location:	37.04961	-106.17802

Headgate Type: Manually operated 4' wide steel slide gate

Headgate Condition:	A <input type="checkbox"/>	Diversion and Other Conditions:	A <input type="checkbox"/>	River Miles from Rio Grande Confluence (Point of Diversion):	Structure Submerged: Yes <input type="checkbox"/>
	B <input type="checkbox"/>		B <input type="checkbox"/>		No <input checked="" type="checkbox"/>
	C <input checked="" type="checkbox"/>		C <input type="checkbox"/>	42.67 mi	
	D <input type="checkbox"/>		D <input checked="" type="checkbox"/>		
	F <input type="checkbox"/>		F <input type="checkbox"/>		

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

Structure Description: There is no diversion dam for this structure. The headgate is located on the north bank of the river. The bank upstream of the headgate is eroding, causing flows to bypass the headgate and enter the ditch, especially at high flows. The headgate also leaks, causing additional flows to enter the ditch. The headgate needs to be repaired or replaced. Bank stabilization is also recommended to ensure the headgate does not experience catastrophic failure during high flows. Although the channel near this structure has migrated historically (pre-1970s), it has not experienced significant lateral migration since 1998 or earlier. The channel upstream of headgate is widening and flows could bypass the headgate, especially at high flows.

Repair(s) or Improvement(s) Currently Needed: Given the stressors affecting this structure, the SMP Technical Advisory Team (TAT) recommends bank stabilization upstream of the diversion as well as riparian revegetation and aquatic habitat restoration. The TAT also recommends maintaining fish passage for aquatic habitat connectivity in this reach. Bank stabilization structures and riparian revegetation would help prevent flows from bypassing the headgate. Alternatively, the headgate and point of diversion could be relocated upstream as a long-term solution to localized erosion at the headgate. Aquatic habitat enhancement, especially the creation of a low-flow channel near the diversion, would improve the fisheries.

Comments: This ditch is a priority 65.

Notes:

Estimated Range of Cost: Medium

Headgate looking downstream



Headgate outlet



River channel upstream of headgate



Close up of headgate



Flume looking downstream



Flume looking upstream

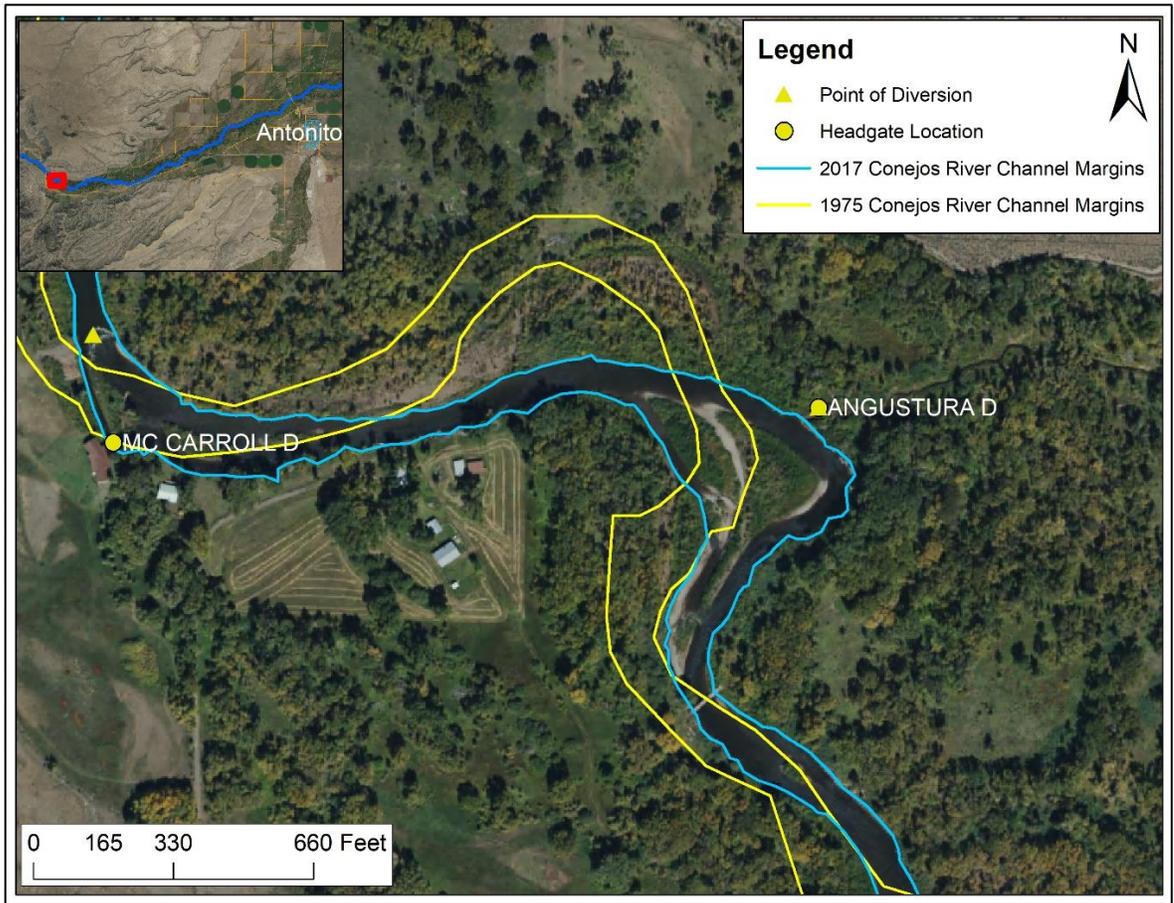


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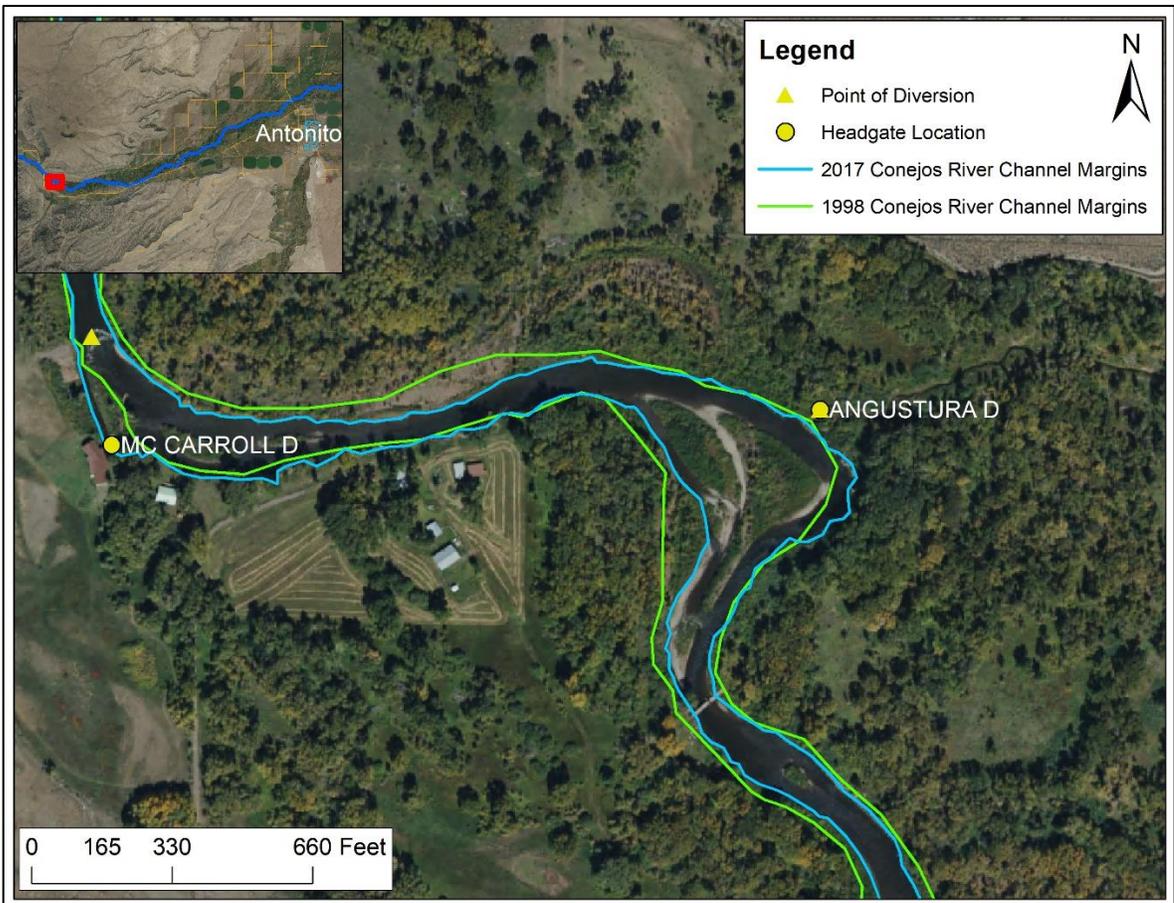
ANGUSTURA DITCH

PHOTO LOG

Conejos River Stream
Management Plan



Angustura Ditch point of diversion with 1975 and 2017 channel margins overlaid



Angustura Ditch point of diversion with 1998 and 2017 channel margins overlaid