

CONEJOS RIVER

DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: MANASSA CORE

Reported By: Daniel Boyes

Date: April 14, 2019

Headgate	Latitude	Longitude
Location:	37.101282	-106.009924

Headgate Type: Manually operated 8' wide steel slide gates (2) and 6' wide steel slide gates (2)

Headgate Condition:	A <input checked="" type="checkbox"/>	Diversion and Other Conditions:	A <input checked="" type="checkbox"/>	River Miles From Rio Grande Confluence (Point of Diversion): 30.4 mi	Structure Yes <input type="checkbox"/>
	B <input type="checkbox"/>		B <input type="checkbox"/>		Submerged: No <input checked="" type="checkbox"/>
	C <input type="checkbox"/>		C <input type="checkbox"/>		
	D <input type="checkbox"/>		D <input type="checkbox"/>		
	F <input type="checkbox"/>		F <input type="checkbox"/>		

Repair(s) or Improvement(s) Completed Since 2006: The headgate and diversion dam were replaced and two of the five headgates are now automated and include remote monitoring capabilities.

Structure Description: This structure controls flows and is critically important for the administration of water rights the North and South Branches of the Conejos River. A large concrete diversion dam spans the river on the South Branch side of the split and a set of five headgates control flow to the North Branch of the river. Two of the five headgates are automated and include remote monitoring capabilities.

Repair(s) or Improvement(s) Currently Needed: Some lateral channel migration has occurred upstream of the structure, but is not expected to affect this structure. The stilling well at the gage downstream of this structure could use maintenance, which the SMP Technical Advisory Team (TAT) recommends in the near future. No additional repairs are needed.

Comments: This structure is critically important for the administration of water rights on the North and South Branches of Conejos River.

Notes:

Estimated Range of Cost: Low

Headgate looking downstream



Headgate and diversion dam



Headgate outlet



River channel looking upstream



Diversion dam looking upstream



Diversion dam and sluice gate

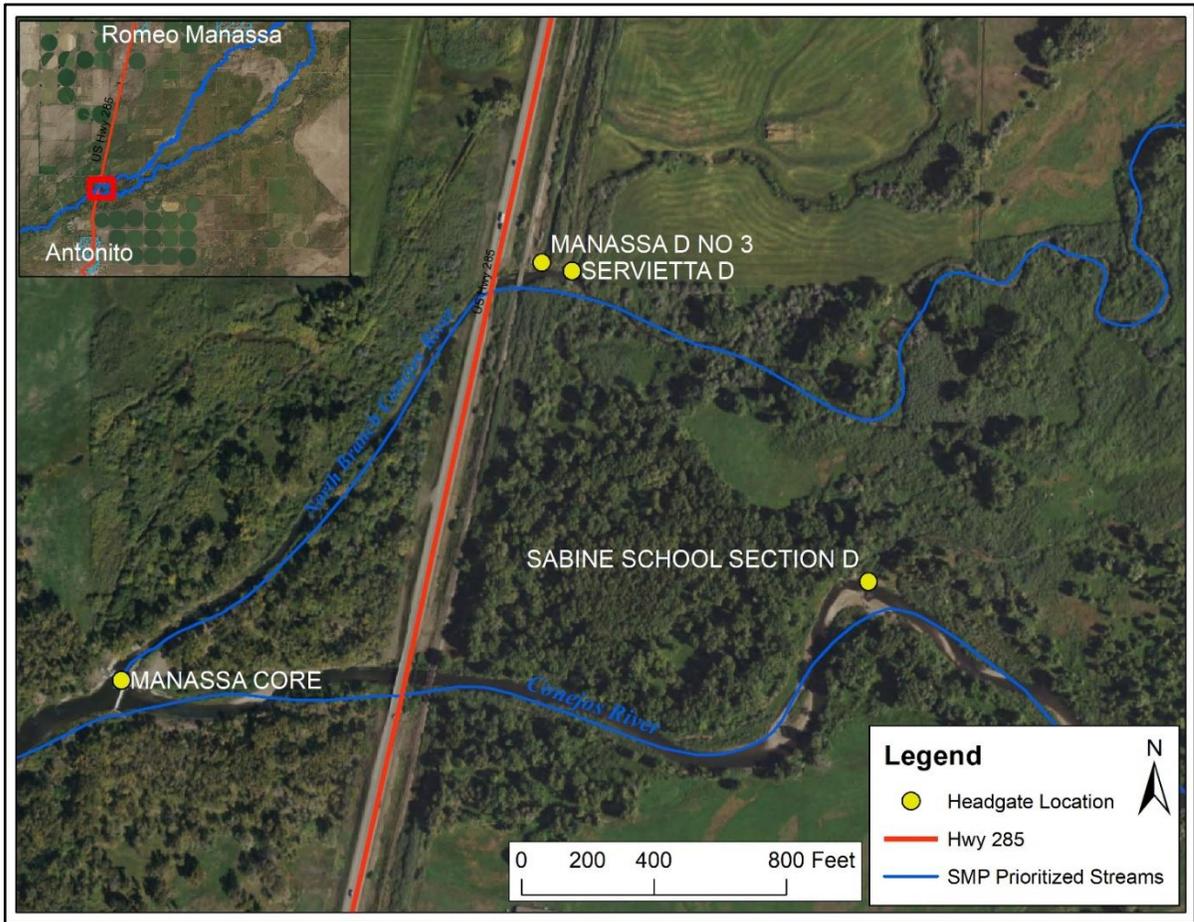


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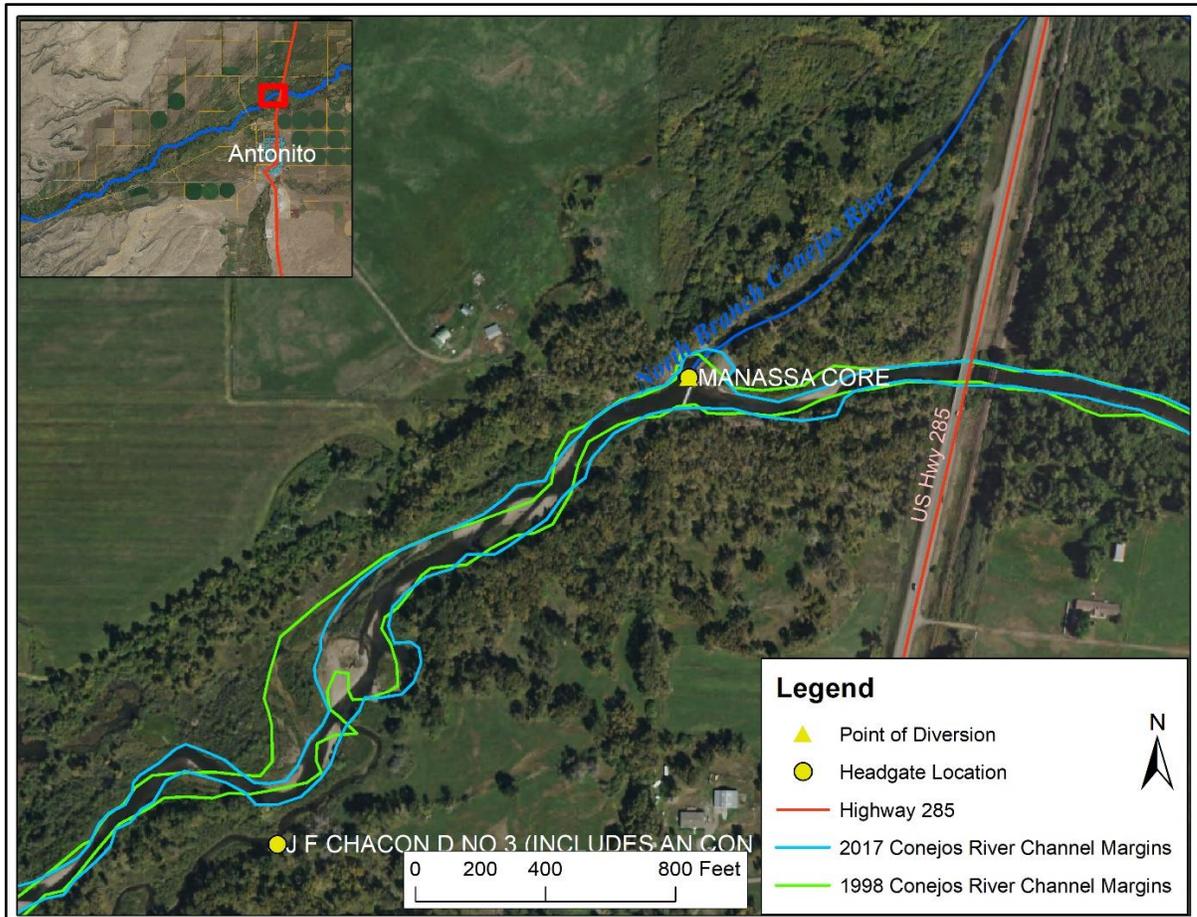
MANASSA CORE

PHOTO LOG

Conejos River Stream
Management Plan



Manassa Core structure in relation to US Highway 285.



Manassa Core location with 1998 and 2017 channel margins overlaid.