

CONEJOS RIVER

DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: CARPE & REEKERS CANON D

Reported By: Daniel Boyes

Date: April 15, 2019

Headgate	Latitude	Longitude
Location:	37.06336667	-106.21005

Headgate Type: Manually operated 4' wide steel slide gate with adjacent overflow headgate.

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 checked="" type="checkbox"/>		B- <input checked="" type="checkbox"/>		No <input checked="" type="checkbox"/>
	C <input type="checkbox"/>		C <input type="checkbox"/>		
	D <input type="checkbox"/>		D <input type="checkbox"/>	45.05 mi	
	F <input type="checkbox"/>		F <input type="checkbox"/>		

Repair(s) or Improvement(s) Completed Since 2006: A new diversion dam and overflow structure were installed.

Structure Description: A U-shaped rock weir diversion dam directs water toward the headgate, which sits along the south bank of the river. The headgate is located on the outside of a small bend in the stream, which has not migrated significantly in the recent past. Woody debris accumulates at the headgate and overflow gate and the ditch has difficulty diverting during extremely low flow conditions. The Parshall flume is approximately 0.5 mile down the ditch. The ditch downstream of the headgate experiences substantial conveyance losses due to its geologic characteristics.

Repair(s) or Improvement(s) Currently Needed: The SMP Technical Advisory Team (TAT) recommends installing a trash rack and considering modifications to the diversion to divert water at all flow levels. Additionally, the ditch could be lined to reduce conveyance loss, however the gate can be adjusted to compensate and lost water through seepage recharges the adjacent river.

Comments: This ditch is a priority 139.

Notes:

Estimated Range of Cost: Low

Headgate and overflow structure



Headgate outlet



Diversion dam



Diversion dam looking upstream



Flume looking downstream



Flume looking upstream



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CARPE & REEKERS CANON DITCH

PHOTO LOG

Conejos River Stream
Management Plan