

RIO GRANDE DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: BUTLER IRR D

Reported By: Daniel Boyes

Date: April 1, 2019

Headgate	Latitude	Longitude
Location:	37.623388	-106.197881

Headgate Type: Manually operated 2' wide steel slide gate

Headgate Condition:	A <input type="checkbox"/>	Diversion and other Condition:	A <input type="checkbox"/>	River Miles from New Mexico State Line (Point of Diversion):	Structure Submerged: Yes <input checked="" type="checkbox"/>
	B <input checked="" type="checkbox"/>		B <input type="checkbox"/>		No <input type="checkbox"/>
	C <input type="checkbox"/>		C <input checked="" type="checkbox"/>		
	D <input type="checkbox"/>		D <input type="checkbox"/>	88.3 mi	
	F <input type="checkbox"/>		F <input type="checkbox"/>		

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

Structure Description: The channel in this area has shown signs of past avulsion. A "W"-shaped stacked rock diversion dam, just downstream of Co Rd 3 W, directs river flow to the feeder channel. Boulders making up the diversion dam have shifted in recent years and, as a result, the diversion does not function optimally. There is a small diversion dam on the feeder ditch that directs water to the first headgate, a 3' wide steel slide gate. Any flow not diverted returns to the river ~500 ft downstream. The ditch travels ~0.3 miles to the main headgate. Sediment accumulation at the feeder channel and up to the headgate is a minor issue for this structure.

Repair(s) or Improvement(s) Currently Needed: The SMP Technical Advisory Team (TAT) recommends repairing the diversion dam at this location and addressing sediment accumulation in the headgate and feeder channel. Colorado Parks and Wildlife (CPW) recommends fish passage in this reach and the TAT recommends also creating safe boat passage. Diversion dam repairs would improve the ditch's ability to effectively divert its water rights at all water levels. Sediment removal in the feeder channel and near the headgate would also improve ditch function.

Comments: This ditch includes priorities 30, 31, and 218.

Notes:

Estimated Range of Cost: Medium

Headgate looking downstream



Headgate outlet



Diversion dam and feeder ditch



Adjustment headgate and diversion dam



Adjustment headgate



Flume looking upstream

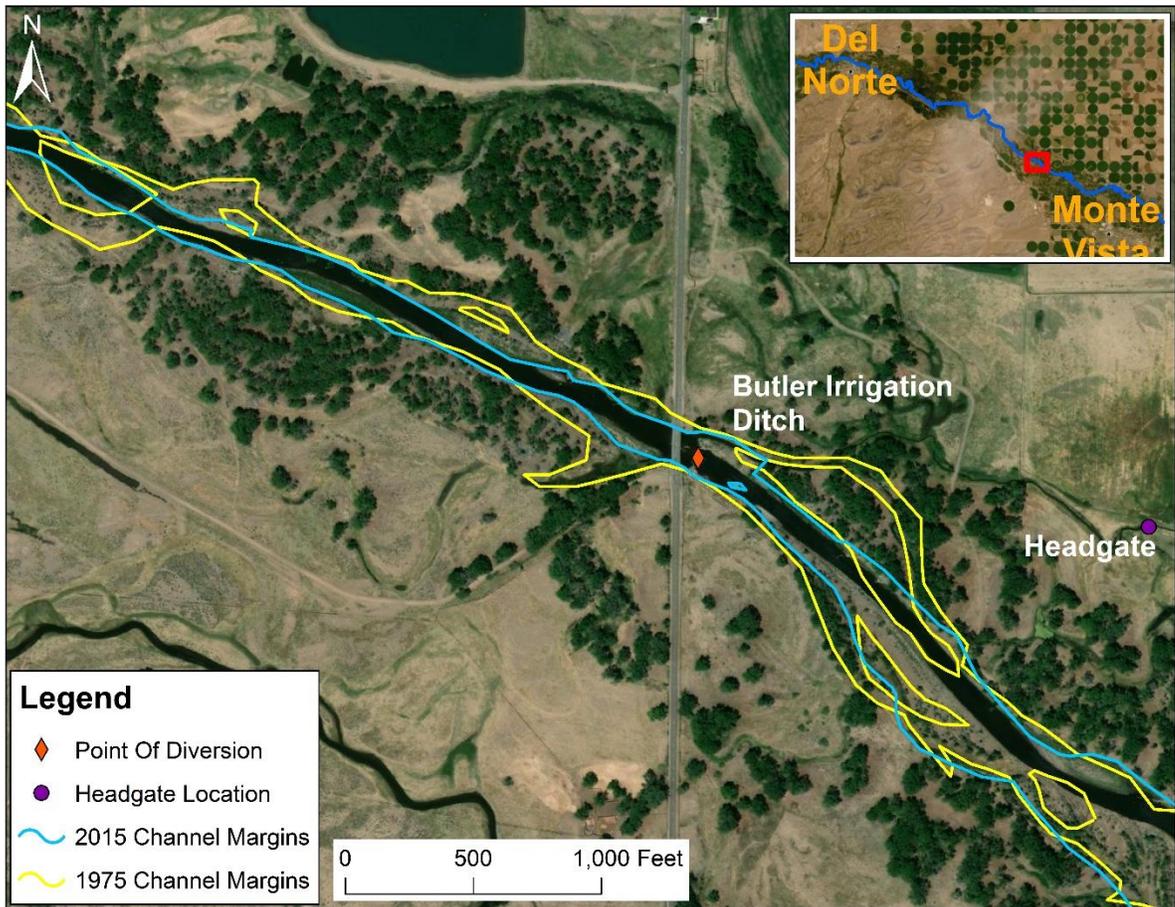


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BUTLER IRR DITCH

PHOTO LOG

Rio Grande Stream Management Plan



Map showing Butler Irrigation Ditch diversion dam and headgate location. Also shown are 1975 and 2015 Rio Grande channel margins.