

RIO GRANDE DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: BREY D

Reported By: Daniel Boyes

Date: April 9, 2019

Headgate	Latitude	Longitude
Location:	37.6867	-106.33883333

Headgate Type: Manually operated 2' wide steel slide gate

Headgate	A <input checked="" type="checkbox"/>	Diversion and	A <input type="checkbox"/>	River Miles from North	Structure	Yes <input checked="" type="checkbox"/>
Condition:	B <input type="checkbox"/>	Other Condition:	B <input checked="" type="checkbox"/>	Channel Rio Grande	Submerged:	No <input type="checkbox"/>
	C <input type="checkbox"/>		C <input type="checkbox"/>	Terminus (Point of		
	D <input type="checkbox"/>		D <input type="checkbox"/>	Diversion:		
	F <input type="checkbox"/>		F <input type="checkbox"/>	6.48 mi		

Repair(s) or Improvement(s) Completed Since 2006: New headgate installed.

Structure Description: This structure is located on the North Channel of the Rio Grande just downstream of Weiss Ditch. The channel has remained very stable in this reach and is not expected to migrate significantly in the near future. This structure's diversion dam is shared with the Weiss Ditch, directing water into a short feeder channel and to this ditch's headgate. The diversion has difficulty diverting water at low flows and the ditch has insufficient capacity to convey its full decree during high flows due to debris and sediment accumulation.

Repair(s) or Improvement(s) Currently Needed: Given these challenges facing water users, the SMP Technical Advisory Team (TAT) recommends replacing or improving the diversion and possible consolidation with the Weiss Ditch to reduce overall maintenance for both ditches. Whether or not consolidation occurs, ditch enlargement is also recommended to allow for conveyance of higher flow.

Comments: This ditch includes priorities 341 and 1903-2.

Notes:

Estimated Range of Cost: Medium

Headgate looking downstream



Headgate and overflow gate



Headgate outlet



Diversion dam looking downstream



Diversion dam and feeder ditch looking upstream



Flume looking downstream

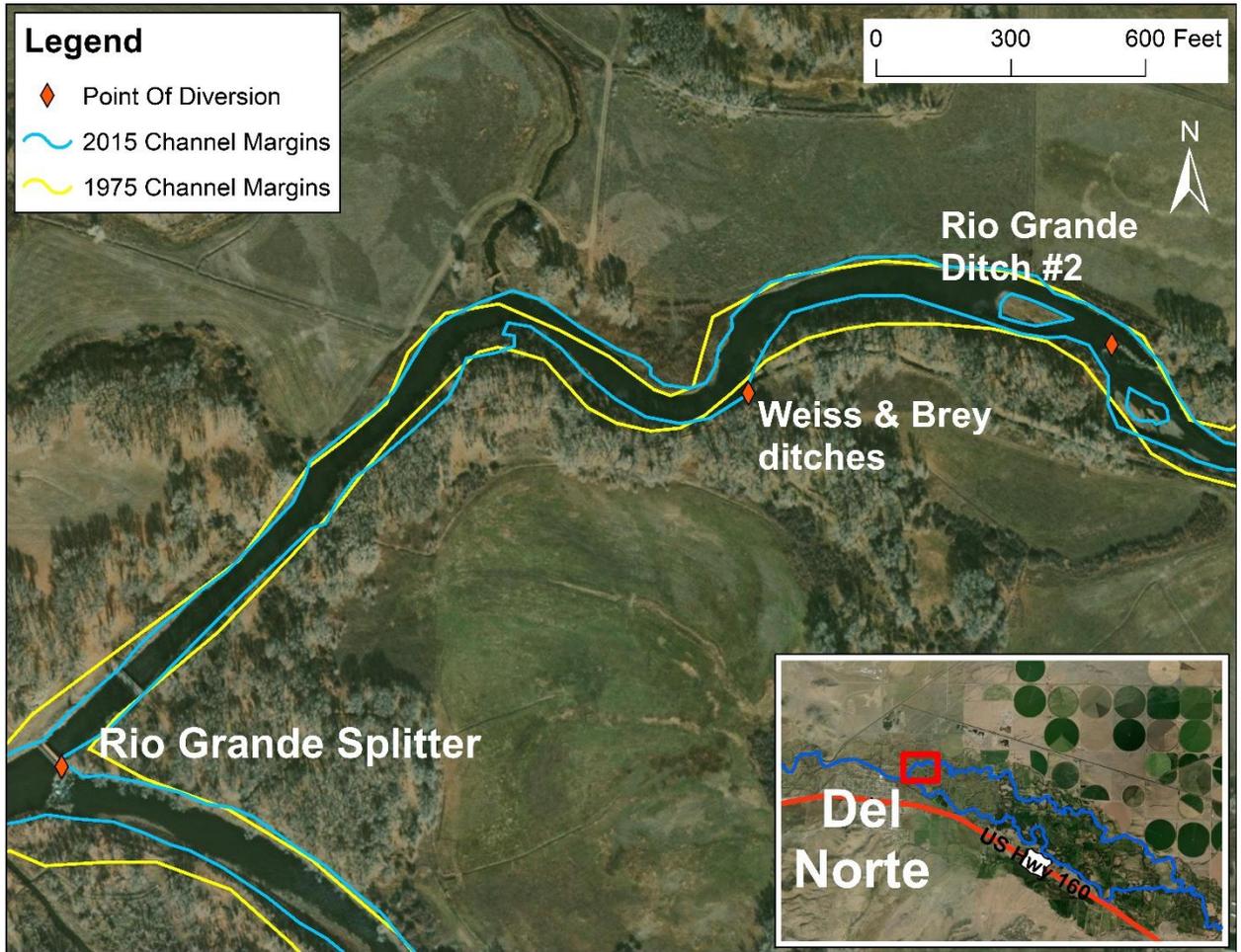


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BREY DITCH

PHOTO LOG

**Rio Grande Stream
Management Plan**



Brey Ditch headgate and diversion location with 1975 and 2015 channel margins overlaid.