

RIO GRANDE DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: WEISS D

Reported By: Daniel Boyes

Date: April 9, 2019

Headgate	Latitude	Longitude
Location:	37.686631	-106.33894

Headgate Type: Manually operated 2' wide cast iron slide gate

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

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

Structure Description: This structure is located on the south bank of the North Channel Rio Grande just upstream of Brey Ditch. The channel has remained very stable in this reach and is not expected to migrate significantly in the near future. The headgate is located on the outside of a meander and has no trash rack. It is difficult to operate and functions poorly. A very minimal rock diversion dam, shared with the Brey Ditch, is located just downstream of this structure and does not appear to significantly benefit this ditch. When this ditch is in priority, flows are high enough that a diversion dam is not necessary. The diversion dam is unstable and in poor condition. The flume for this structure could not be located.

Repair(s) or Improvement(s) Currently Needed: Given the issues identified, the SMP Technical Advisory Team (TAT) recommends headgate improvement and the installation of a functional measurement device. To reduce maintenance and improve efficiency of both this ditch and the Brey Ditch, consolidation of the two structures is also an option. If consolidation was pursued, the TAT recommends replacing or improving the diversion dam.

Comments: This ditch is a priority 1903-44.

Notes:

Estimated Range of Cost: Medium

Headgate looking downstream



Headgate looking upstream



Rio Grande looking upstream



North channel Rio Grande looking downstream

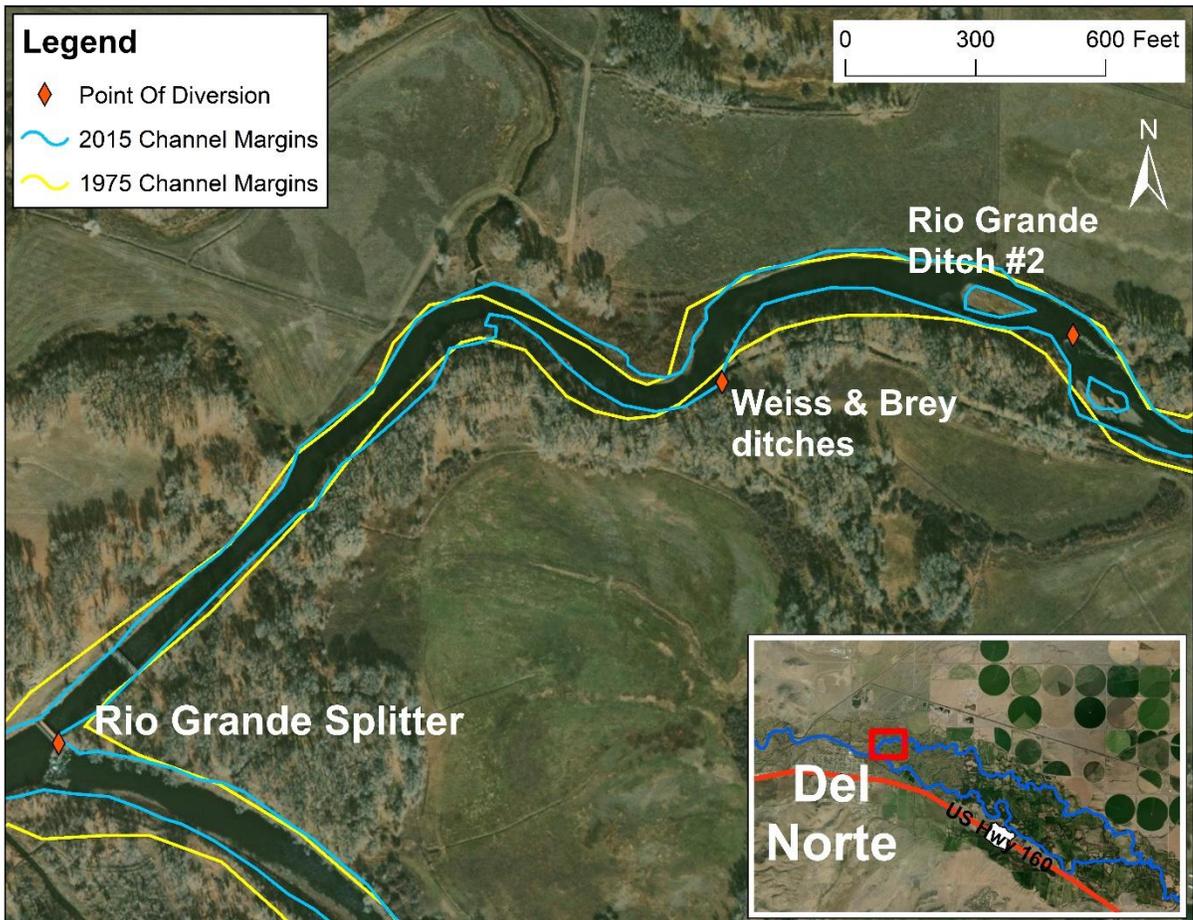


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WEISS DITCH

PHOTO LOG

**Rio Grande Stream
Management Plan**



Aerial view of the Weiss Ditch headgate and diversion location with 1975 and 2015 channel margins overlaid.