

RIO GRANDE DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: MARAJO D

Reported By: Daniel Boyes

Date: April 1, 2019

Headgate	Latitude	Longitude
Location:	37.6195	-106.20633333

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 type="checkbox"/>
	B <input type="checkbox"/>		B <input type="checkbox"/>	89.38 mi	No <input checked="" type="checkbox"/>
	C <input checked="" type="checkbox"/>		C- <input checked="" 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 on the Rio Grande were replaced in 2019 as part of the Rio Grande Headwaters Restoration Project's 5 Ditches Project, in partnership with the NRCS, RGHRP, and the ditch company. They now function well.

Structure Description: This structure is serviced by the Consolidated Slough Ditch and is located 1.3 miles down the Slough. There is a corrugated steel sheet pile diversion dam along the Slough that diverts water to the headgate, which sits along the bank of the east bank of the slough. The headgate is aging and the diversion dam on the feeder channel does not function well. In addition, the corrugated steel sheet pile along the side of the headgate is heaving and no longer supporting the headgate properly. The flume can be submerged during high flows.

Repair(s) or Improvement(s) Currently Needed: Based on the issues identified at this structure, the SMP Technical Advisory Team (TAT) recommends replacing the diversion dam and associated materials, resetting or replacing the flume, and considering headgate replacement in the future. These improvements would increase water delivery efficiency and reduce maintenance needs.

Comments: This ditch includes priorities 231, 242, and 345.

Notes:

Estimated Range of Cost: Medium

Headgate looking downstream



Headgate and diversion dam (on feeder ditch)



Headgate outlet



Diversion dam on Rio Grande



Aerial image showing headgate and diversion dam



Flume looking downstream

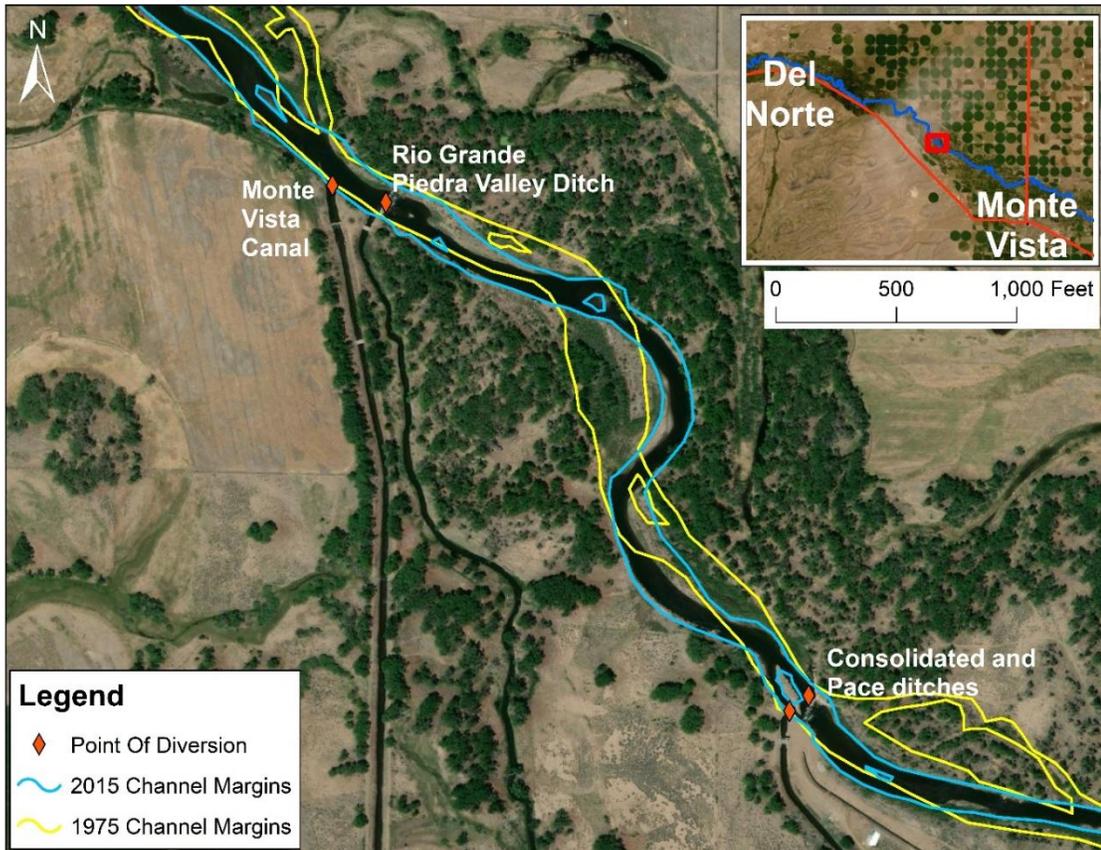


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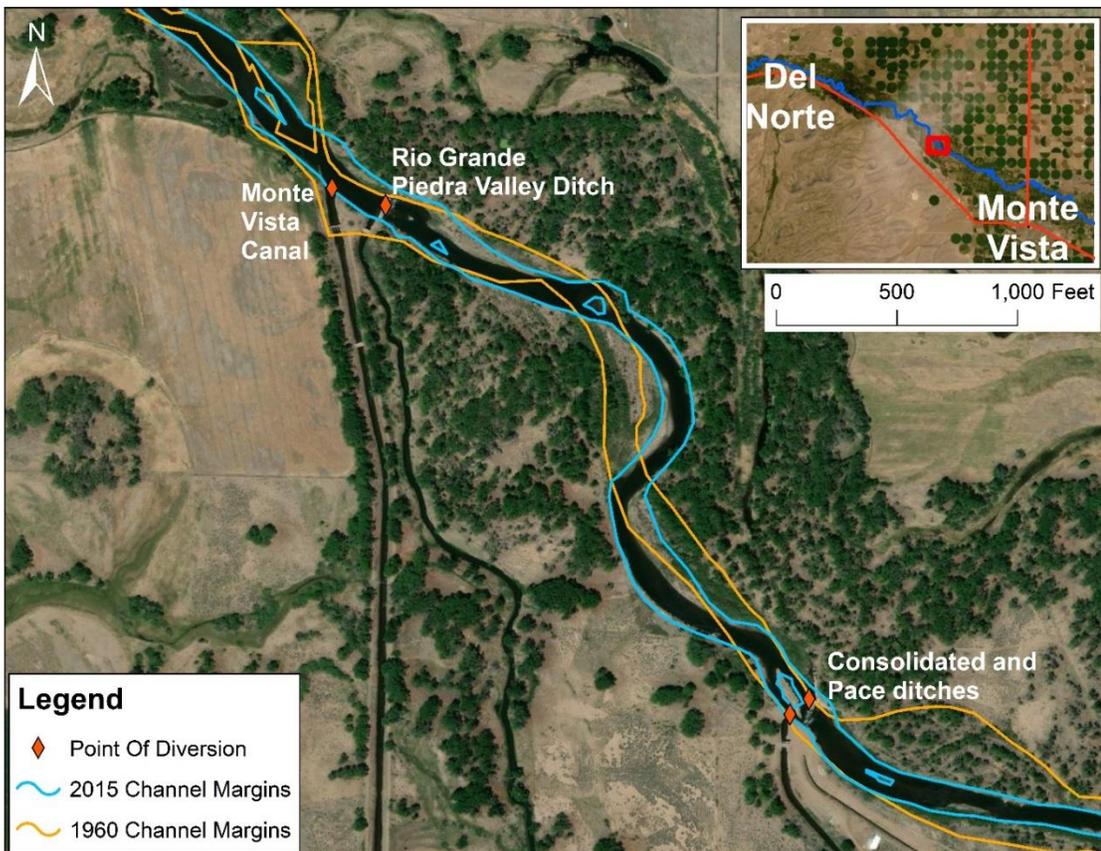
MARAJO DITCH

PHOTO LOG

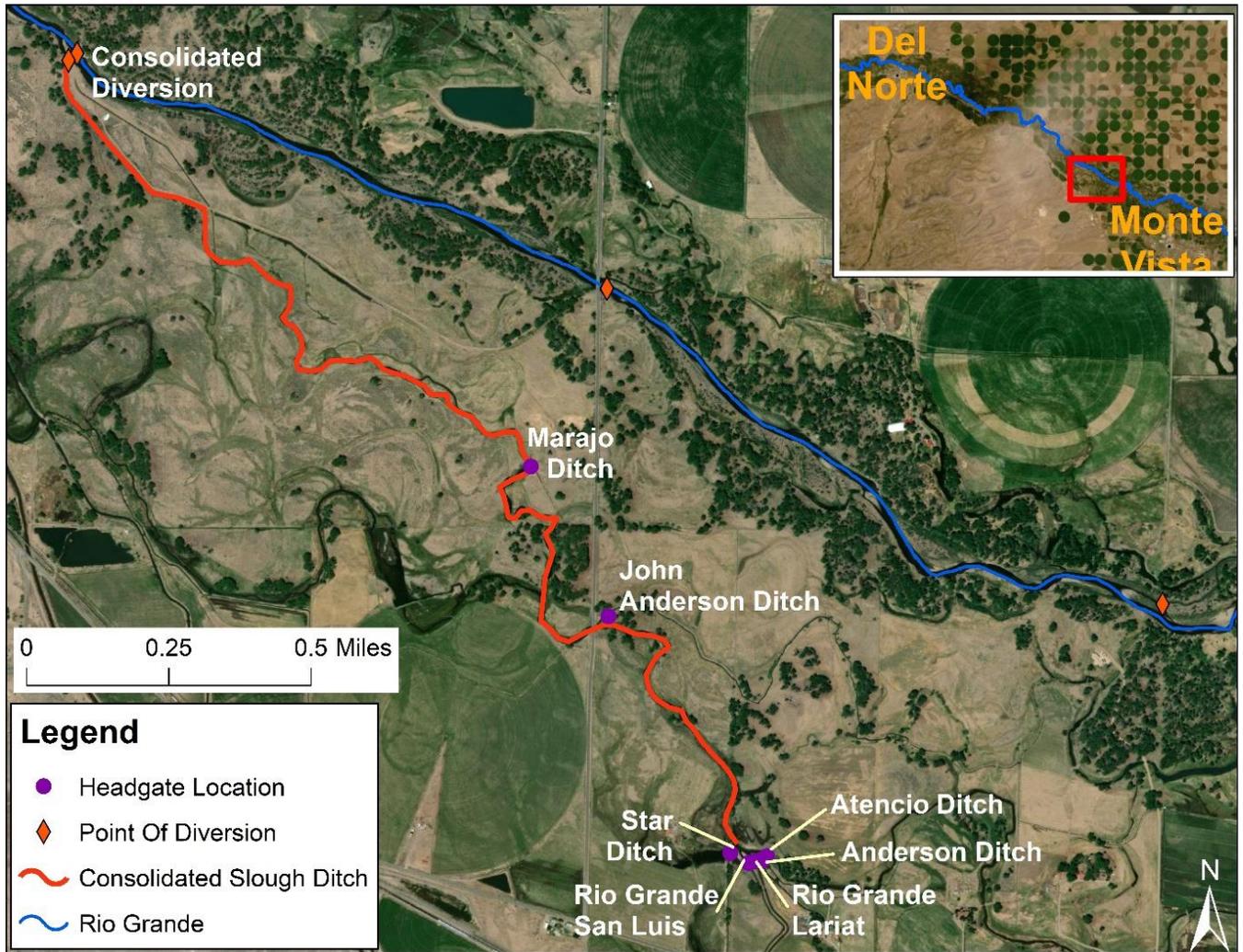
**Rio Grande Stream
Management Plan**



Consolidated Ditch diversion dam with 1975 and 2015 channel margins overlaid. This map also shows the gravel bar upstream of the diversion (outlined in blue).



Consolidated Ditch diversion dam with 1960 and 2015 channel margins overlaid



Consolidated Ditch diversion and associated ditches