

RIO GRANDE DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: PACE D

Reported By: Daniel Boyes

Date: April 1, 2019

Headgate	Latitude	Longitude
Location:	37.62961667	-106.2212

Headgate Type: Manually operated 1.5' wide steel slide gate

Headgate	A <input checked="" type="checkbox"/>	Diversion and	A <input type="checkbox"/>	River Miles From New	Structure	Yes <input type="checkbox"/>
Condition:	B <input type="checkbox"/>	Other Condition:	B <input type="checkbox"/>	Mexico State	Submerged:	No <input checked="" type="checkbox"/>
	C <input type="checkbox"/>		C <input checked="" type="checkbox"/>	Line(Point Of		
	D <input type="checkbox"/>		D <input type="checkbox"/>	Diversion):		
	F <input type="checkbox"/>		F <input type="checkbox"/>	89.38 mi		

Repair(s) or Improvement(s) Completed Since 2006: The headgate and diversion dam were replaced in partnership with the NRCS, RGHRP, and the ditch company. The headgate and trash rack were completed Spring 2018, and the diversion dam structure was completed Spring 2019. They now function well.

Repair(s) or Improvement(s) Currently Needed: Debris accumulation at the headgate needs to be addressed. One possible solution is to install rock barbs to redirect debris to the middle of the river channel rather than the headgate. The flume is often submerged and should be reset. If the ditch upstream of flume had some elevation drop, it would function significantly better.

Structure Description: Within the last 35 years, the river has migrated significantly in this area, especially upstream of the diversion dam. The two meanders upstream of the diversion have been growing and changing the orientation of the river where it meets the diversion dam. This ditch shares the diversion dam and headwall with the Consolidated Ditch. A brand new large concrete diversion dam spans the river and directs water to the headgate. On the south bank of the river, a radial sluice gate was installed that can be adjusted using an air bladder. On the north side of the diversion, a large fish ladder was installed. In the center of the diversion sits an additional adjustable Obermeyer gate. A substantial trash rack is at the entrance to the ditch, with the headgate located just below. All of the infrastructure is laid in concrete. This structure allows for boat and fish passage and, after construction was completed, bank and riparian habitat was restored using rock structures and riparian vegetation plantings. This structure serves eight ditches, including Marajo Ditch, John Anderson Ditch, Star Ditch, Rio Grande San Luis Ditch, Rio Grande Lariat Ditch, Anderson Ditch, Atencio Ditch, and Horner Ydren Ditch.

Comments: This ditch is a priority 18.

Notes:

Estimated Range of Cost: Low

Headgate looking downstream



Trash rack looking upstream



Headgate outlet



Diversion dam



Flume looking upstream



Flume looking downstream

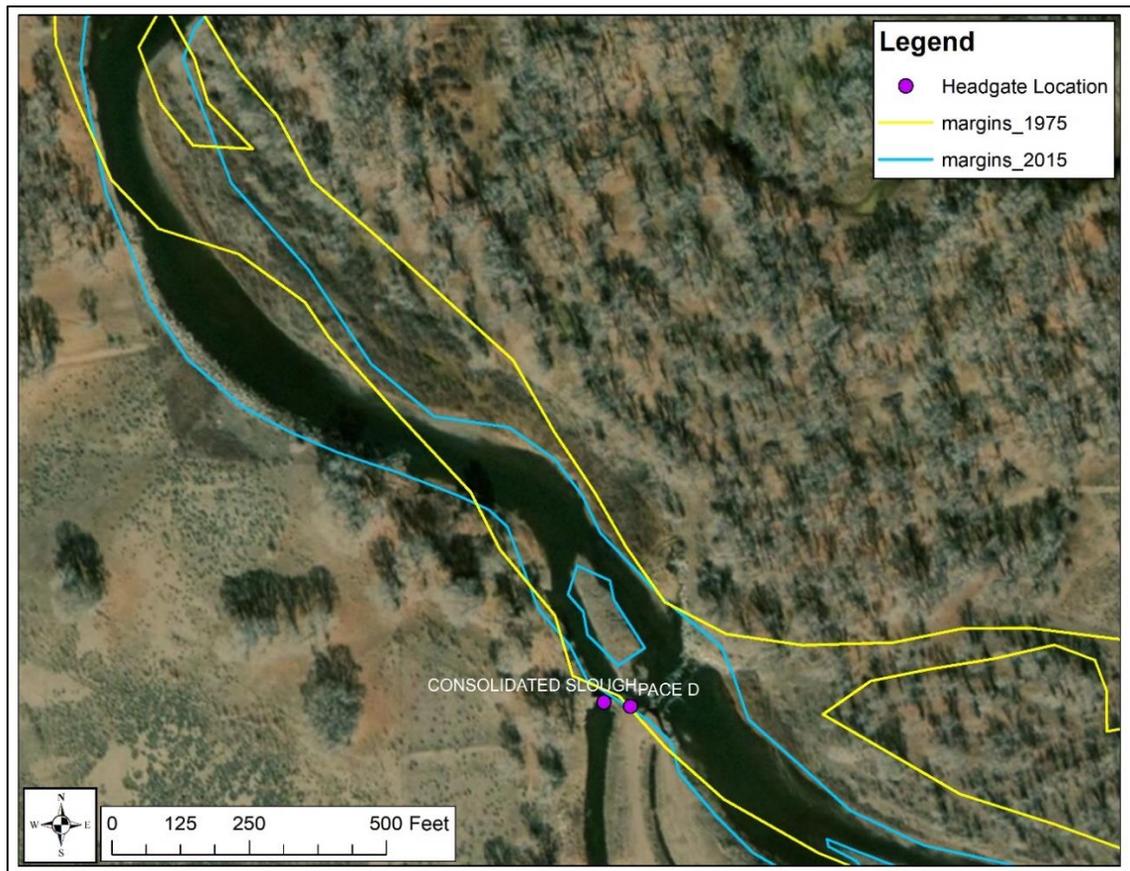


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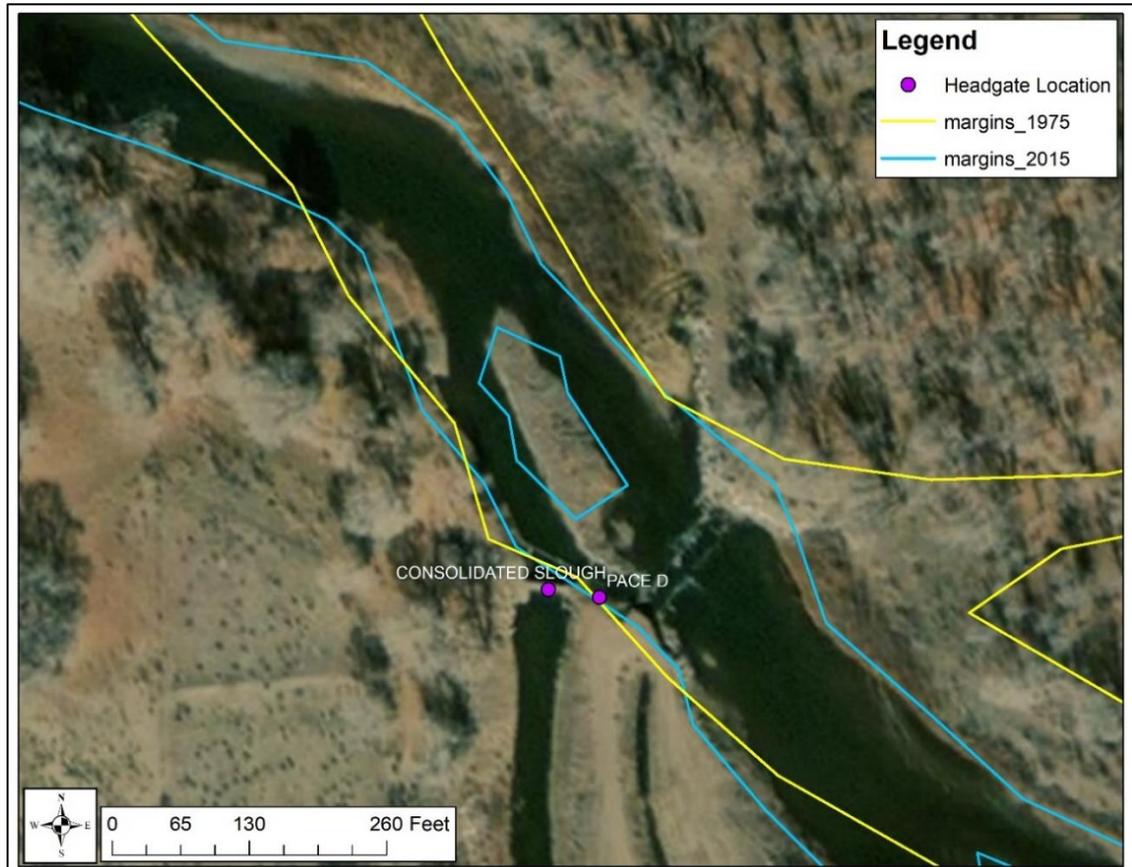
PACE DITCH

PHOTO LOG

Rio Grande Stream
Management Plan



Map showing Consolidated Ditch diversion dam with 1975 to 2015 channel margins overlaid.



Close-up of Consolidated Ditch diversion dam with 1975 to 2015 channel margins overlaid.