

RIO GRANDE DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: PFEIFFER D

Reported By: Daniel Boyes

Date: May 7, 2019

Headgate	Latitude	Longitude
Location:	37.69195	-106.53241667

Headgate Type: Manually operated 3' wide steel slide gate

Headgate Condition:	A <input checked="" 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 type="checkbox"/>		B <input checked="" type="checkbox"/>		No <input type="checkbox"/>
	C <input type="checkbox"/>		C <input type="checkbox"/>	113.83 mi	
	D <input type="checkbox"/>		D <input type="checkbox"/>		
	F <input type="checkbox"/>		F <input type="checkbox"/>		

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

Structure Description: There is no formal diversion dam for this structure. A headgate located on the north bank of the channel directs water to a feeder channel and is dependent upon streamflow. The feeder channel is an abandoned river channel which, according to the 2001 Rio Grande Headwaters Restoration Project, was part of the Rio Grande in 1941 but was probably cut off sometime between 1948 and 1949. The feeder channel directs water from the river to the headgate, located approximately 0.4 miles from the diversion.

Repair(s) or Improvement(s) Currently Needed: The main issues facing this structure are sedimentation in the feeder channel, woody debris in the feeder channel and at the main headgate, and, to a lesser degree, difficulty diverting the ditch's water rights during low flow conditions. The SMP Technical Advisory Team (TAT) recommends mitigating sedimentation, installing a trash rack at the headgate, and considering the installation of a diversion dam. A sluice gate at the river headgate would reduce sedimentation and a trash rack at the main headgate would prevent debris accumulation. Although the ditch only has difficulty diverting at extremely low flows, the construction of a small diversion would allow the ditch to divert at all flows.

Comments: This ditch includes priorities 164, 301, and 1916-25.

Notes:

Estimated Range of Cost: Low

River headgate



River headgate and diversion dam



River headgate outlet



Main headgate



Main headgate outlet



Flume looking upstream

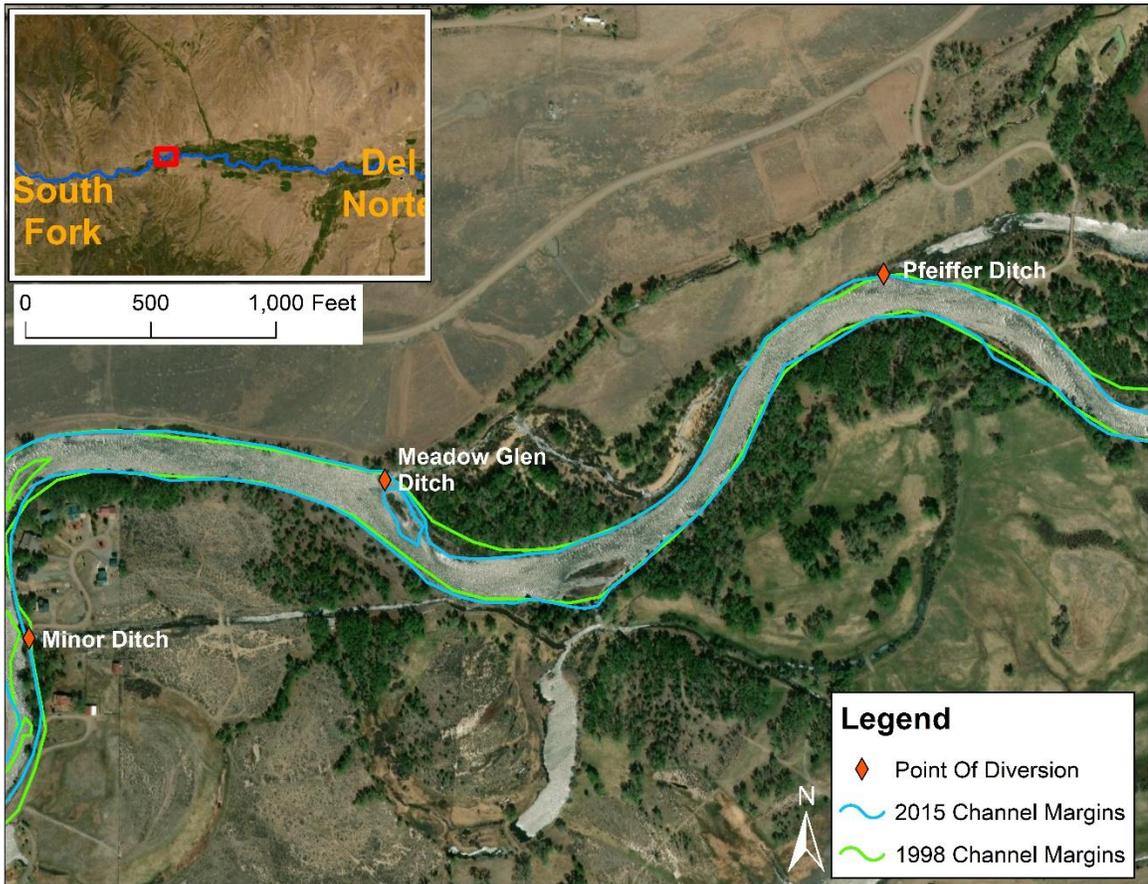


RIO GRANDE DIVERSION INFRASTRUCTURE INVENTORY

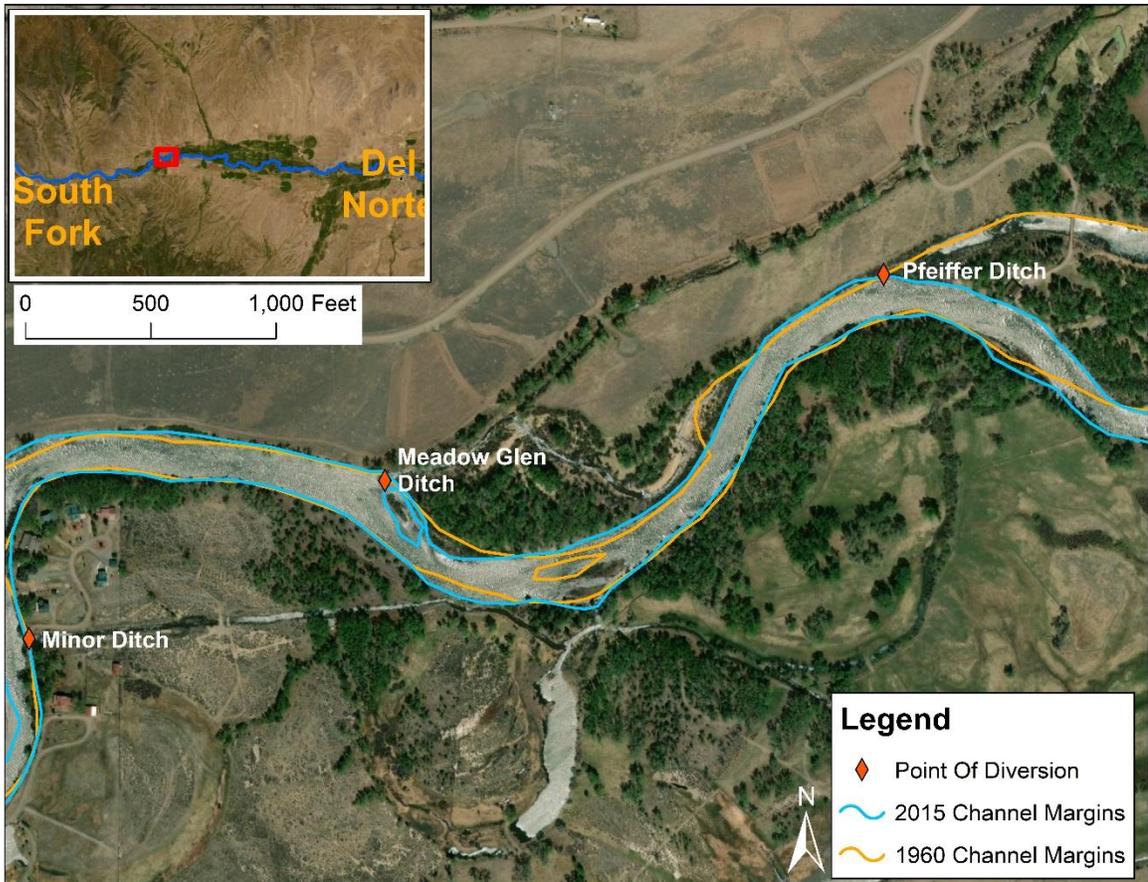
PFEIFFER DITCH

PHOTO LOG

Rio Grande Stream Management Plan



Map showing headgate location with 1998 and 2015 channel margins overlaid.



Map showing headgate location with 1960 and 2015 channel margins overlaid.