RIO GRANDE
DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: MEADOW GLEN D

Reported By: Daniel Boyes

Date: May 7, 2019

Headgate Location:	**Latitude**	**Longitude**
	37.691375	-106.543762

Headgate Type: Manually operated 3’ wide steel slide gate

Headgate Condition:	**Diversion and Other Condition:**	**River Miles from New Mexico State Line (Point of Diversion):**	**Structure Submerged:**
A ☐ B ☐ C ☒ D ☐ F ☐	A ☐ B ☒ C ☐ D ☐ F ☐	114.33 mi	Yes ☒ No ☐

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

Structure Description: There is no formal diversion dam for this structure. Water naturally flows into the feeder channel, located on the north bank of the channel. A 4 ft galvanized metal fence serves as a trash rack. The feeder channel delivers water to the headgate, which is approximately 200 ft down the ditch. A steel divider (diversion dam) along the feeder channel directs water to the headgate, which functions poorly due to leakage. The river channel at this structure is relatively stable (see channel migration maps in diversion inventory). There is some gravel bar formation downstream of the diversion, but it is not expected to affect this structure. Woody debris is able to bypass the trash rack at the mouth of the feeder channel because of a large gap between it and the bank.

Repair(s) or Improvement(s) Currently Needed: Given these issues, the SMP Technical Advisory Team (TAT) recommends extending the trash rack and repairing the headgate. An improved trash rack would prevent woody debris from entering the feeder channel and reduce maintenance, while headgate repairs would eliminate the leak and improve ditch efficiency.

Comments: This ditch includes priorities 105, 323, 348, 1903-21A, 1903-57C, 1916-23, and 1916-30B.

Notes:

Estimated Range of Cost: Low

Headgate looking downstream

Headgate and feeder ditch

Headgate outlet

Diversion dam

Flume looking downstream

Flume looking upstream

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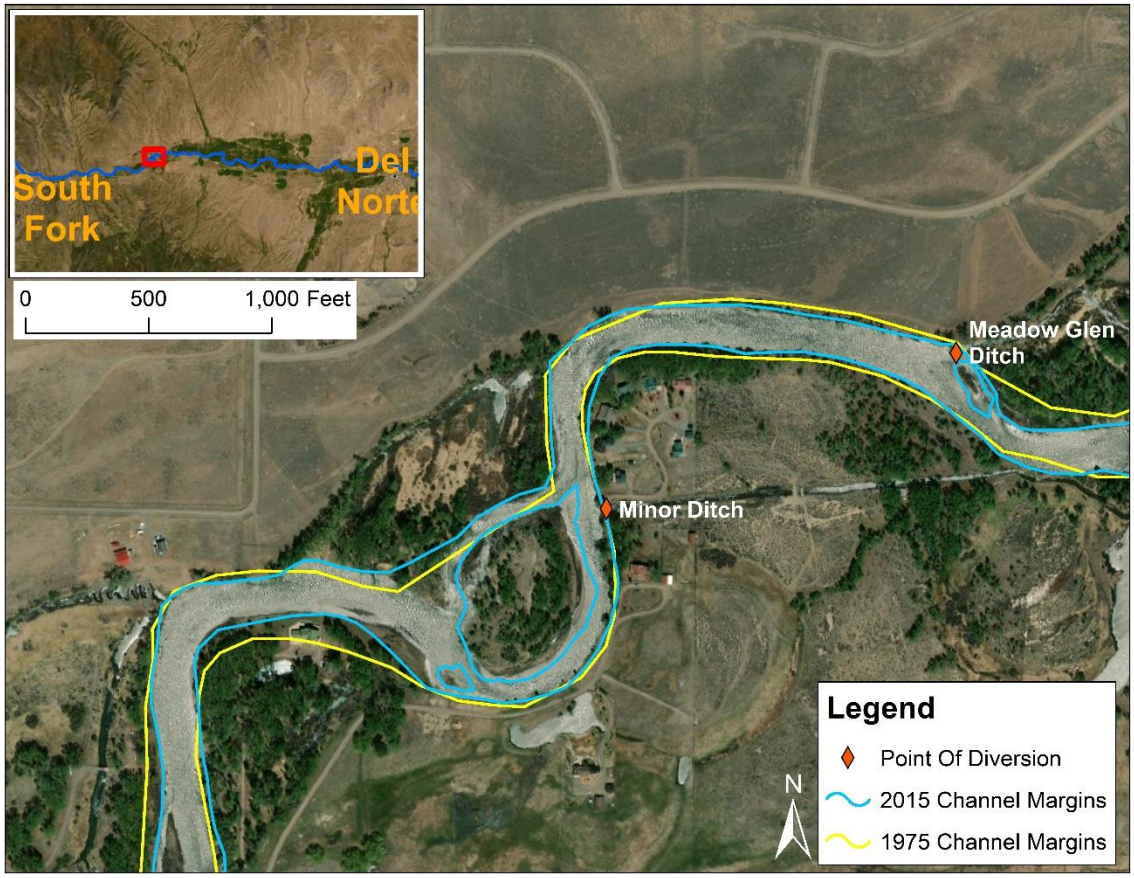
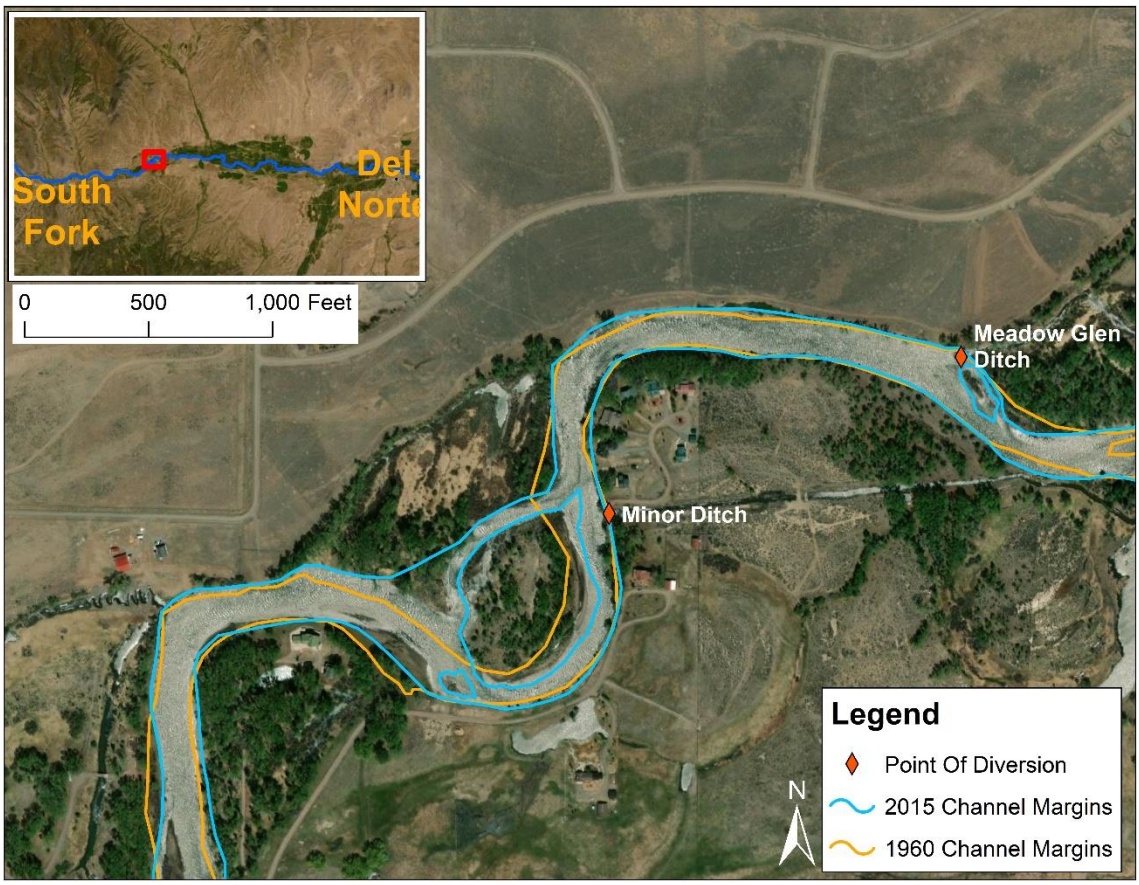
MEADOW GLEN DITCH

PHOTO LOG

Rio Grande Stream Management Plan



Meadow Glen Ditch and Minor Ditch diversions with 1975 and 2015 channel margins overlaid.



Meadow Glen Ditch and Minor Ditch diversions with 1960 and 2015 channel margins overlaid.