RIO GRANDE
DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: EHROWITZ D

Reported By: Daniel Boyes

Date: May 7, 2019

Headgate Location:	**Latitude**	**Longitude**
	37.686485	-106.49297

Headgate Type: Manually operated 2' wide steel slide gate

Headgate Condition: A ☐ B ☒ C ☐ D ☐ F ☐

Diversion and Other Condition: A ☐ B ☐ C ☐ D ☒ F ☐

River Miles from New Mexico State Line (Point of Diversion): 110.91 mi

Structure Submerged: Yes ☒ No ☐

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

Structure Description: The original diversion dam was damaged, and currently there is no formal diversion dam for this structure. Instead, an informal sand and gravel push-up diversion dam is formed each year in an effort to divert the ditch's water rights during low flow conditions. It is typically reconfigured and/or adjusted multiple times throughout the irrigation season. Depending on its configuration, it can be difficult to navigate via boat, especially during low flows. The river is migrating east upstream of the point of diversion, which is exacerbating these challenges. The roughly 0.5 mile feeder channel directs water to the headgate and an overflow channel directs return flows back to the river. Sedimentation in the feeder channel requires regular maintenance. Additionally, the return flow structure has sunken and makes headgate control challenging.

Repair(s) or Improvement(s) Currently Needed: Based on the assessment of this structure, the Technical Advisory Team (TAT) recommends either the installation of a new diversion dam at this location or relocating the diversion upstream, with the possibility of using the existing Independent Ditch 2 diversion. A new diversion dam, either in its current location or moved upstream, would effectively divert water and reduce maintenance. Repair or replacement of the return flow structure is also recommended to improve control of flows to the headgate.

Comments: This ditch includes priorities 175, 187, 335, 1916-43, and 1916-57.

Notes:

Estimated Range of Cost: High

Headgate looking downstream

Overflow channel just upstream of headgate

Headgate outlet

Diversion dam

Flume looking downstream

Flume looking upstream

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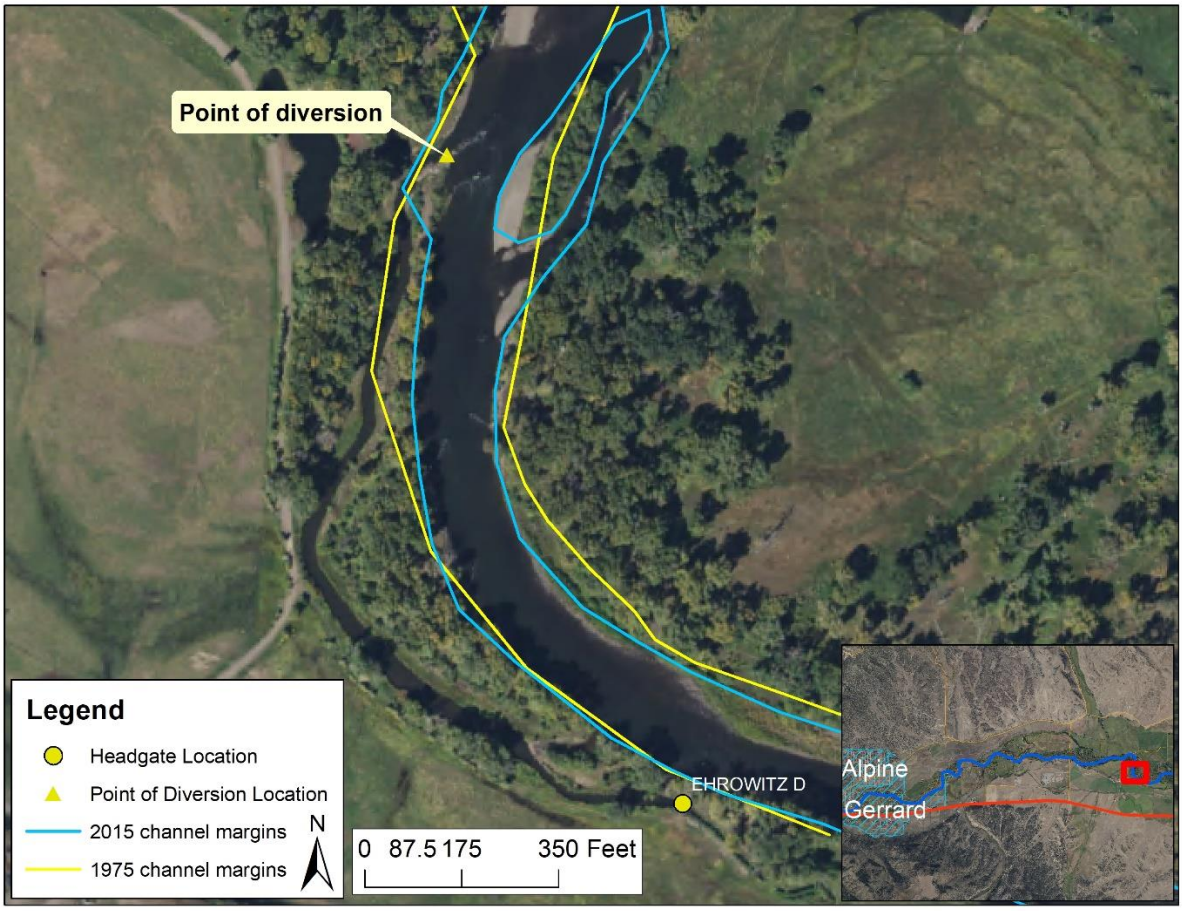
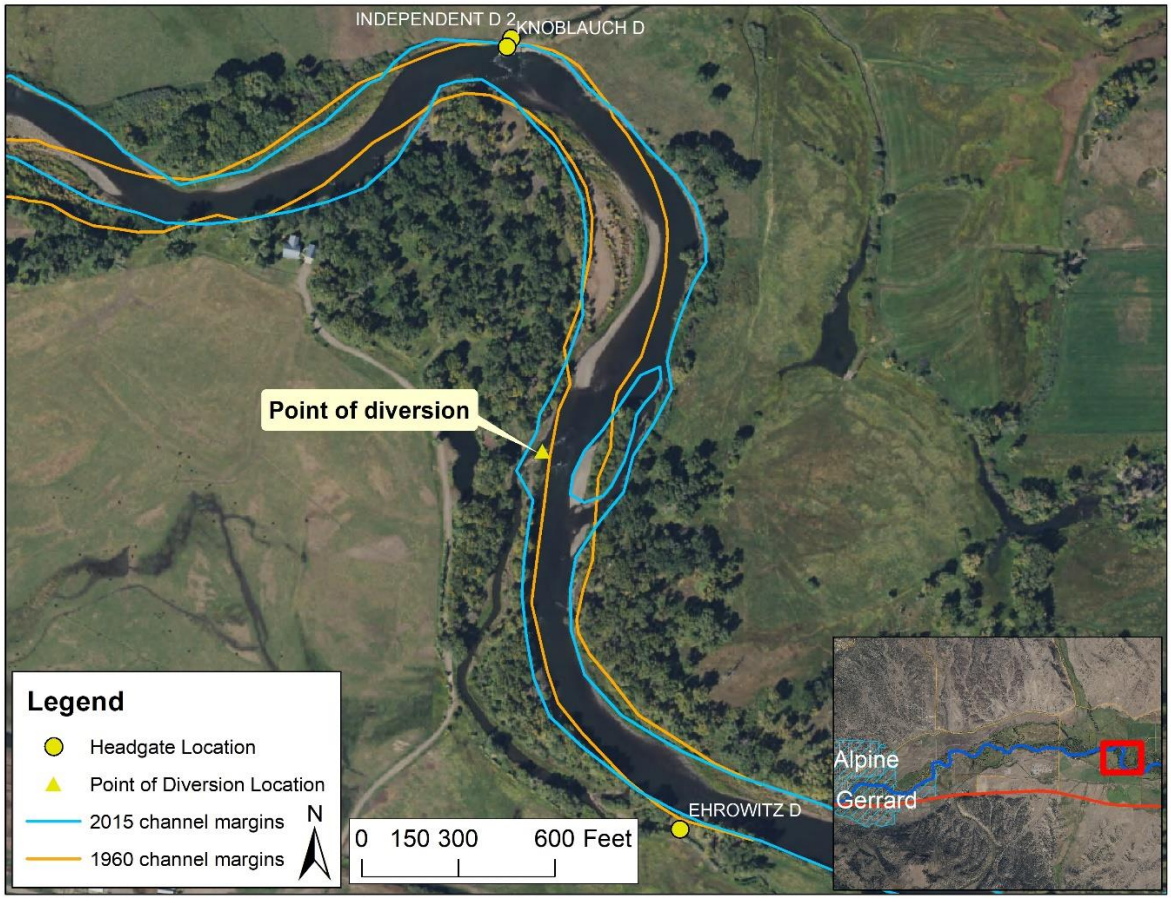
EHROWITZ DITCH

PHOTO LOG

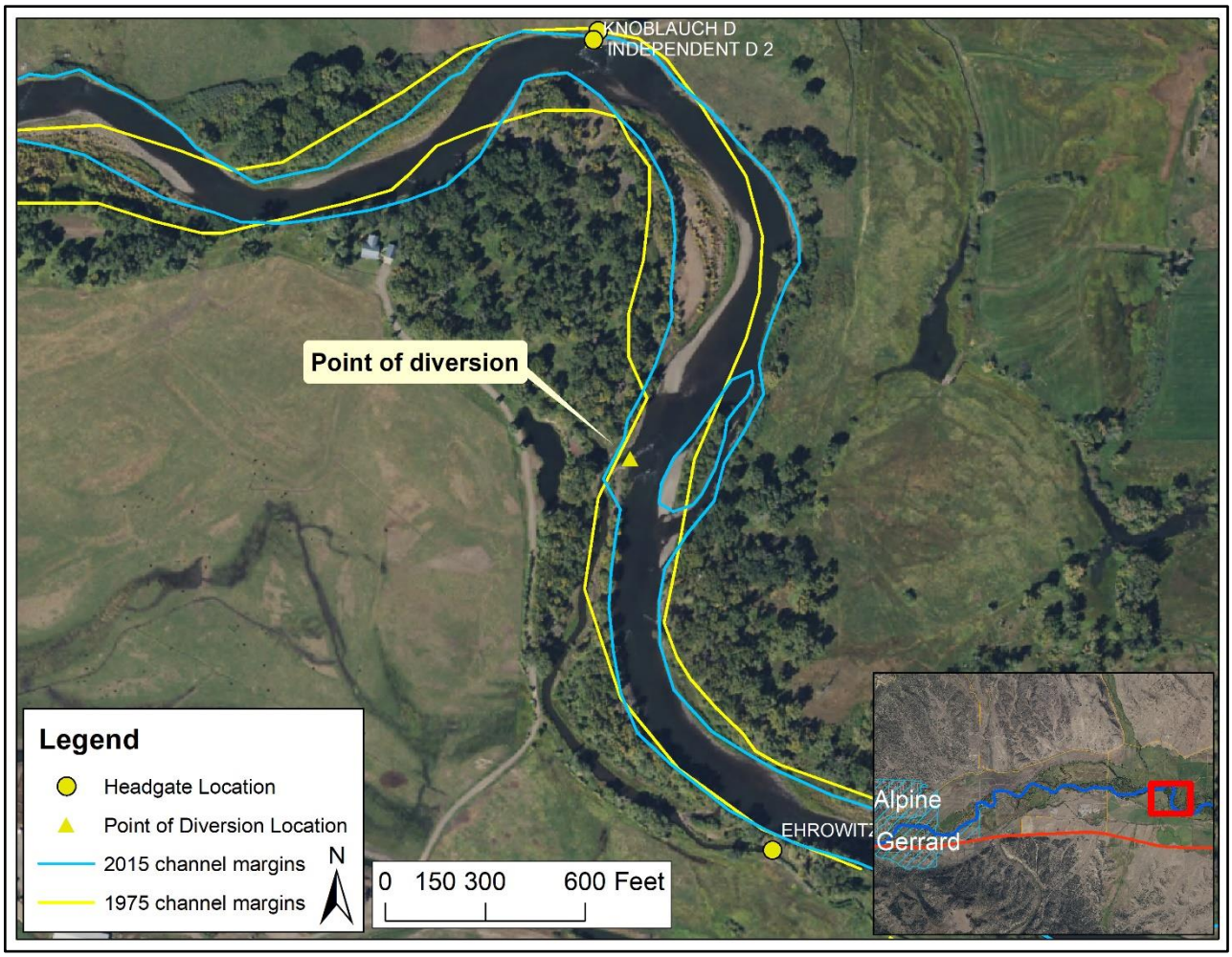
Rio Grande Stream Management Plan



Headgate location with 1975 and 2015 channel margins overlaid



Headgate location with 1960 and 2015 channel margins overlaid



Headgate and point of diversion with 1975 and 2015 channel margins overlaid