CONEJOS RIVER
DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: CANON IRRIGATING D

Reported By: Daniel Boyes

Date: April 15, 2019

Headgate Location:	**Latitude**	**Longitude**
	37.047194	-106.150417

Headgate Type: Manually operated 10' wide steel slide gate

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

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

River Miles from Rio Grande Confluence (Point of Diversion): 41.68 mi

Structure Submerged: Yes ☒ No ☐

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

Structure Description: This ditch's point of diversion is just downstream of the Vega Ditch diversion. There is a feeder channel off the south bank of Conejos River, approximately 600 ft long, that leads to the river headgate. Any water not diverted at the river headgate returns to the river via an approximately 0.25-mile secondary channel. The feeder channel then carries water approximately 1 mile to the Canon Ditch headgate. The headgate sits across the feeder channel adjacent to a return flow channel that directs unused water back to the river. During spring 2019 runoff, the diversion dam partially washed out. Although the river channel in this area has migrated very little in the last 20 years, aerial imagery shows lateral migration prior to 1998. Debris accumulation is an issue at the headgate and return flow structure (see report card.

Repair(s) or Improvement(s) Currently Needed: The SMP Technical Advisory Team (TAT) recommends installing a trash rack above the headgate and considering the addition of telemetry to this structure's Parshall flume. A trash rack would minimize debris accumulation and telemetry would increase efficiency. The TAT also recommends maintaining fish passage to preserve aquatic habitat connectivity in this reach.

Comments: This ditch is a priority 22.

Notes:

Estimated Range of Cost: Low

River headgate looking downstream

River headgate and diversion dam

Main headgate

Main headgate outlet

Main headgate and diversion dam

Flume looking upstream

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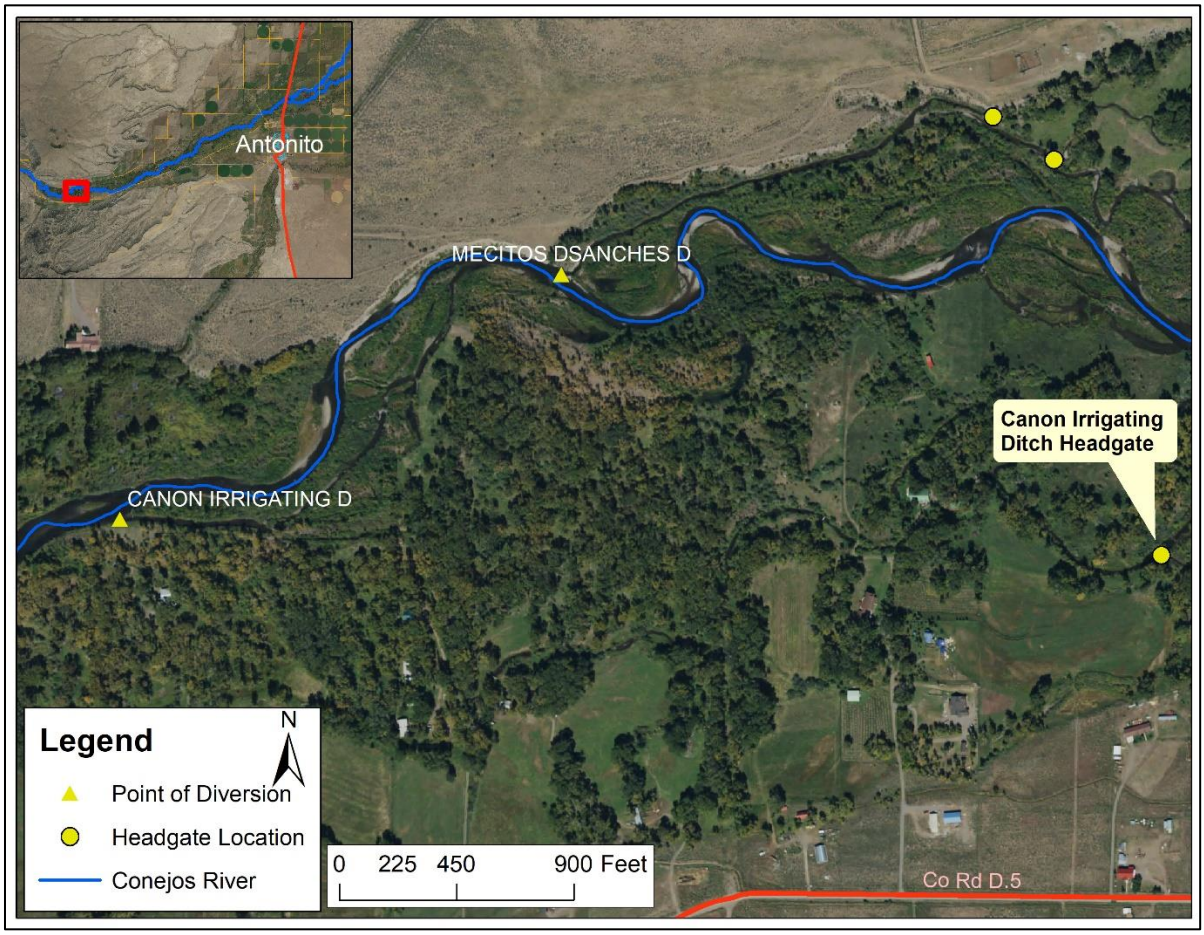
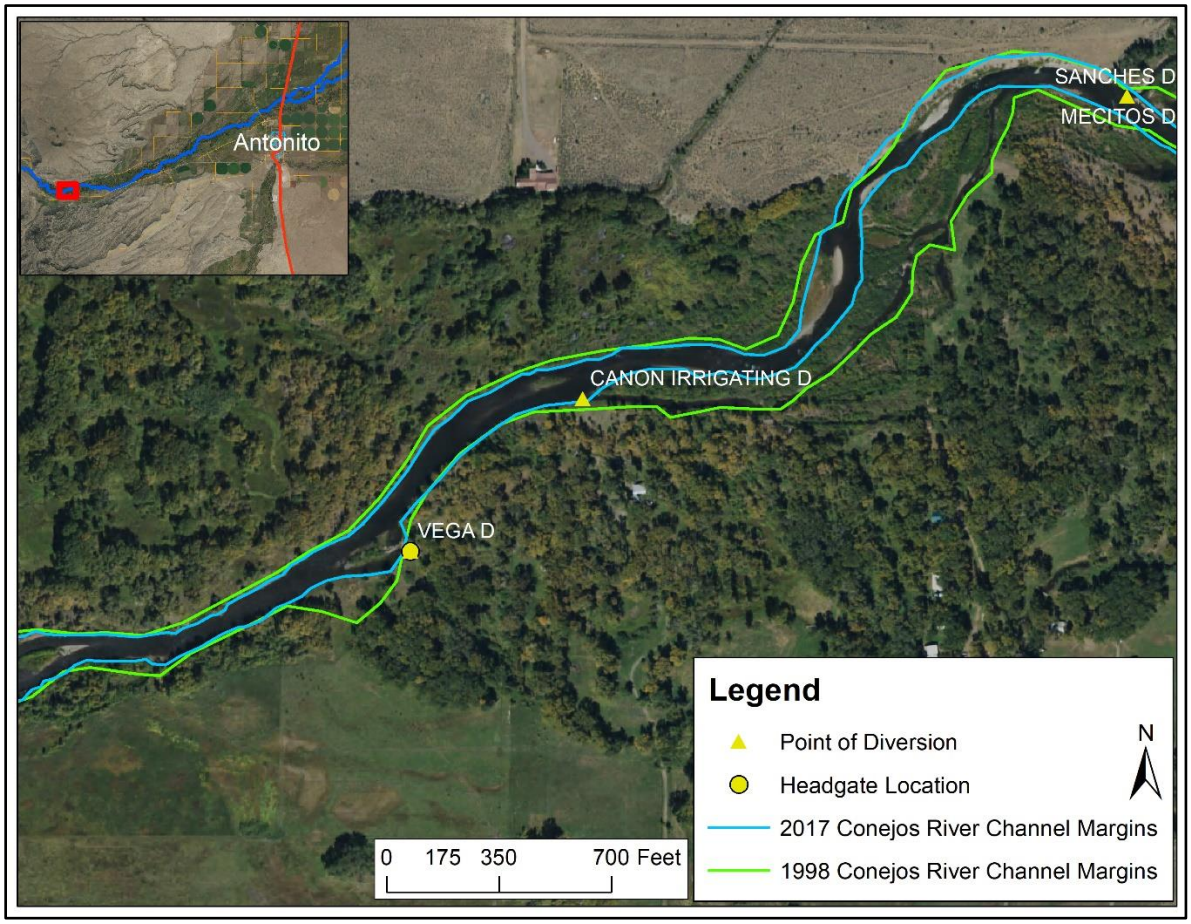
CANON IRRIGATING DITCH

PHOTO LOG

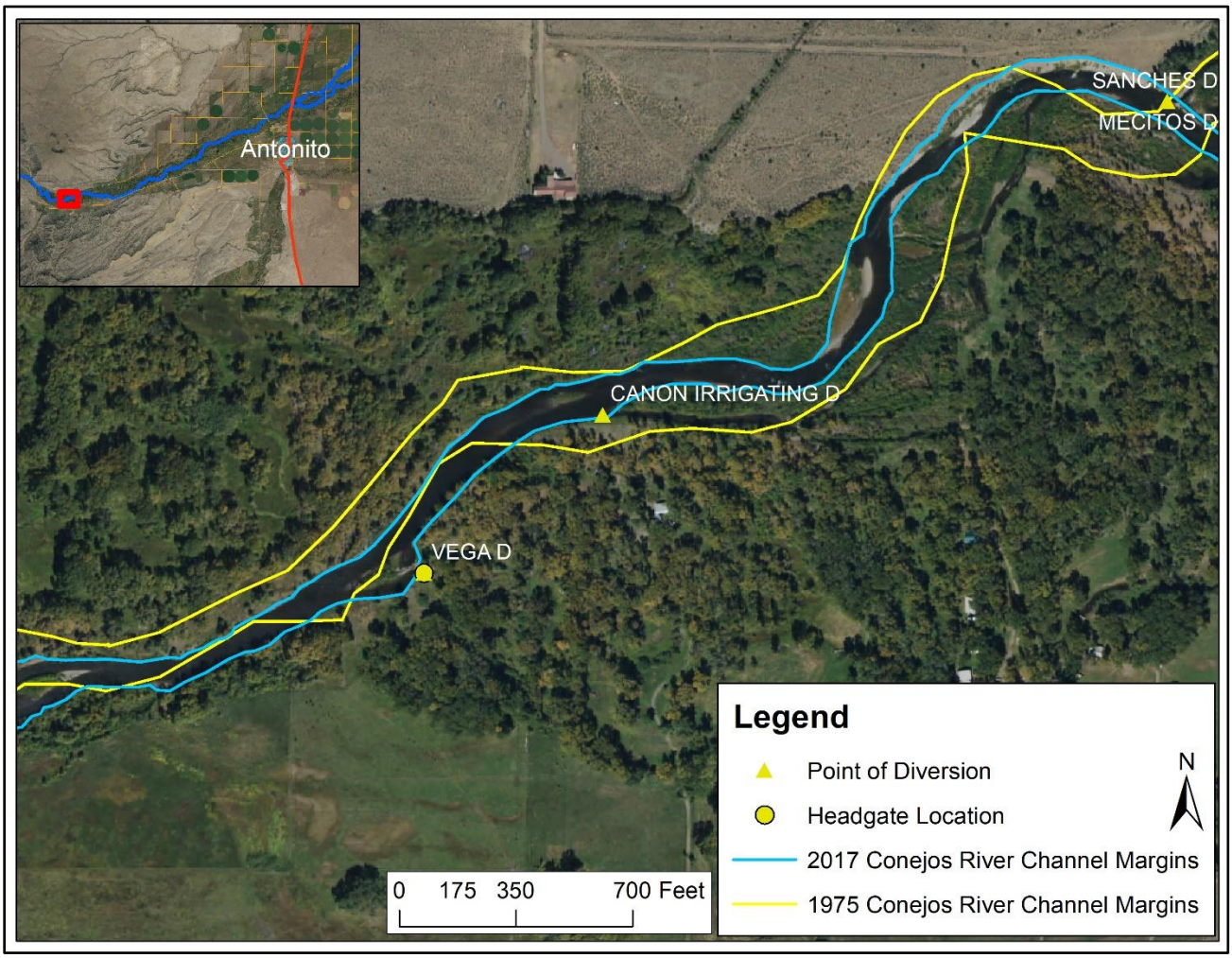
Conejos River Stream Management Plan



Canon Irrigating Ditch point of diversion and headgate locations



Headgate location with 1998 and 2017 channel margins overlaid



Headgate location with 1975 and 2017 channel margins overlaid