

CONEJOS RIVER

DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: TROGILLIO D

Reported By: Daniel Boyes

Date: April 15, 2019

| Headgate | Latitude | Longitude |
|-----------|-----------|------------|
| Location: | 37.158083 | -105.89711 |

Headgate Type: Manually operated 5' wide steel slide gate

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|---------------------|----------------------------|---------------------------------------|----------------------------|----------------------------|----------------------------|--------------------------------|----------------------------|----------------------------|---------------------------------------|----------------------------|----------------------------|--|----------|----------------------|---|-----------------------------|
| Headgate Condition: | A <input type="checkbox"/> | B <input checked="" type="checkbox"/> | C <input type="checkbox"/> | D <input type="checkbox"/> | F <input type="checkbox"/> | Diversion and other Condition: | A <input type="checkbox"/> | B <input type="checkbox"/> | C <input checked="" type="checkbox"/> | D <input type="checkbox"/> | F <input type="checkbox"/> | River Miles From North Branch Conejos Terminus (Point of Diversion): | 21.32 mi | Structure Submerged: | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
|---------------------|----------------------------|---------------------------------------|----------------------------|----------------------------|----------------------------|--------------------------------|----------------------------|----------------------------|---------------------------------------|----------------------------|----------------------------|--|----------|----------------------|---|-----------------------------|

Repair(s) or Improvement(s) Since 2006: N/A

Repair(s) or Improvement(s) Currently Needed: Install a new diversion dam that does not require annual maintenance. Although the headgate and flume function moderately well, a sluice gate at the headgate would reduce maintenance and improve river function. Fish and boat passage and should be considered as part of any future repairs or improvements to the diversion. Riparian vegetation restoration would also benefit this structure and river function by reducing local erosion and increasing stream shading.

Structure Description: This structure is located on the South Branch Conejos River. The river is relatively stable upstream and at the diversion, however significant lateral migration has occurred in the last 20 years downstream of the diversion. Additionally, channel avulsion could occur during a high flow event. A diversion dam made of large boulders, debris, and a repurposed molasses tank directs water to the headgate, which is located on the east bank of the river. Sediment and debris accumulation is an issue for this structure.

Comments: This ditch includes priorities 21 and 30.

Notes:

Estimated Range of Cost: Moderate

Headgate looking downstream



Headgate and diversion dam



Headgate outlet



Diversion dam looking upstream



Flume looking downstream



Flume looking upstream

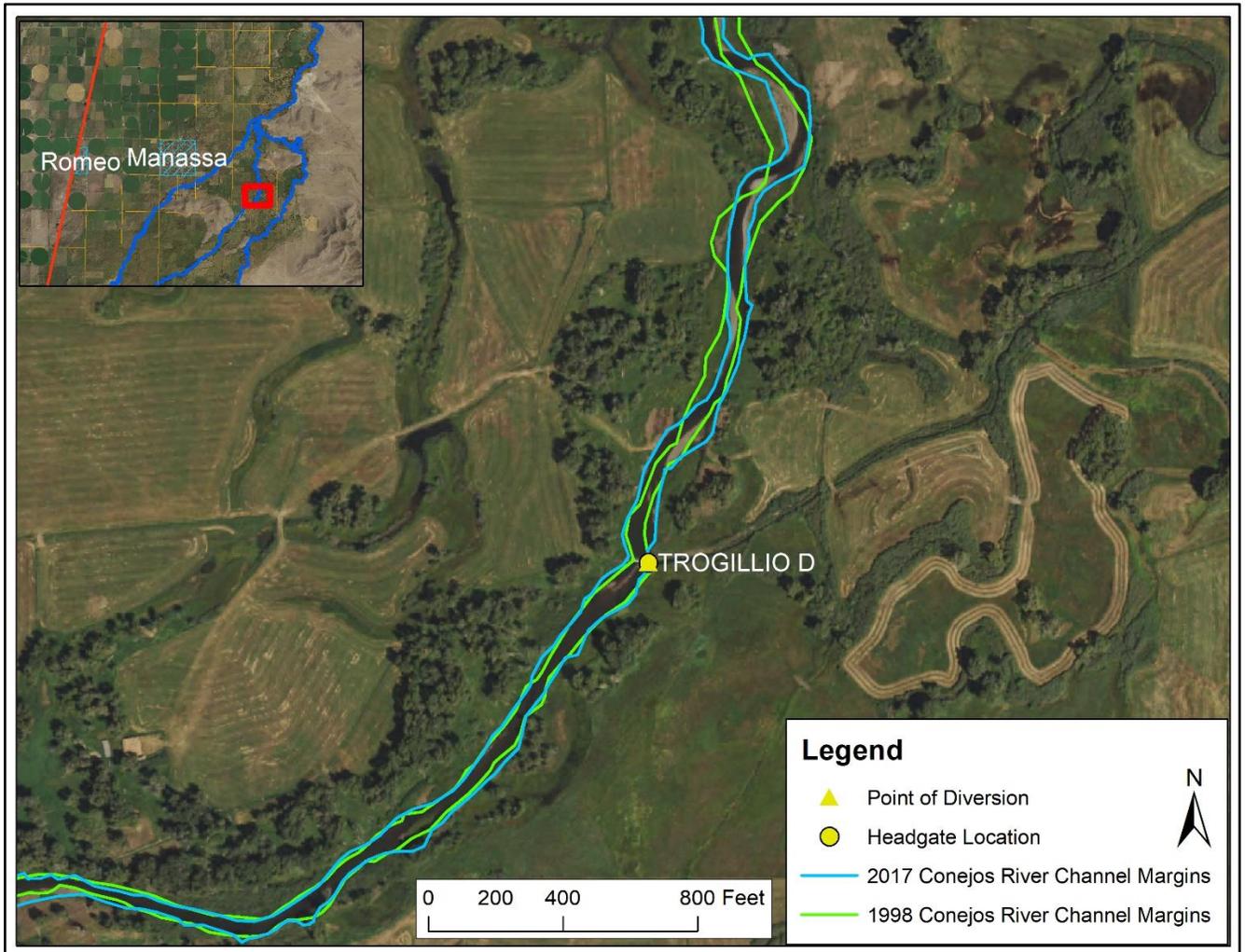


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TROGILLIO DITCH

PHOTO LOG

Conejos River Stream
Management Plan



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