

SAGUACHE CREEK DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: FORD D

Reported By: Daniel Boyes

Date: April 11, 2019

| Headgate | Latitude | Longitude |
|-----------|-----------|-------------|
| Location: | 38.144372 | -106.269008 |

Headgate Type: Manually operated 3' wide rectangular screw gate

| | | | | | |
|----------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--|--|
| Headgate Condition: | A <input type="checkbox"/> | Diversion and Other Condition: | A <input type="checkbox"/> | Stream Miles from Saguache Creek Terminus (Point of Diversion): | Structure Submerged: Yes <input type="checkbox"/> |
| | B <input checked="" type="checkbox"/> | | B <input type="checkbox"/> | 43.38 mi | No <input checked="" type="checkbox"/> |
| | C <input type="checkbox"/> | | C <input checked="" type="checkbox"/> | | |
| | D <input type="checkbox"/> | | D <input type="checkbox"/> | | |
| | F <input type="checkbox"/> | | F <input type="checkbox"/> | | |

Structure Description: This diversion is located on the outside of a meander. A boulder diversion dam on either side of a mid-channel island directs water to a short feeder channel located on the north bank. The headgate functions well but experiences debris accumulation due to its location. The downstream bank of the feeder channel is eroding and could fail during high flows.

Repair(s) or Improvement(s) Currently Needed: Given the issues identified at this structure, the SMP Technical Advisory Team (TAT) recommends installing a trash rack, improving or relocating the diversion, and implementing bank stabilization. A trash rack would mitigate debris accumulation at the headgate. Bank stabilization upstream of the diversion and on the feeder channel would help prevent ditch failure. Diversion improvements using stacked rocks would reduce maintenance. Alternatively, the point of diversion could also be relocated to mitigate erosion and debris accumulation issues.

Comments: This ditch includes priorities 18 and 27.

Notes:

Estimated Range of Cost: Low

Headgate looking downstream



Headgate outlet



Diversion dam



Diversion dam and feeder ditch



Flume looking downstream



Flume looking upstream



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FORD DITCH

PHOTO LOG

**Saguache Creek Stream
Management Plan**