## SAGUACHE CREEK DIVERSION INFRASTRUCTURE INVENTORY

DIVERSION INFRASTRUCTURE INVENTORY
Structure Name: FORD D
Reported By: Daniel Boyes
<b>Date:</b> April 11, 2019
HeadgateLatitudeLongitudeLocation:38.144372-106.269008
Headgate Type: Manually operated 3' wide rectangular screw gate
Headgate A □ Diversion and Other Condition: B □ Stream Miles from Saguache Creek Terminus (Point of Diversion):  D □ F □ F □ F □ 43.38 mi
<b>Structure Description:</b> 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 nort 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

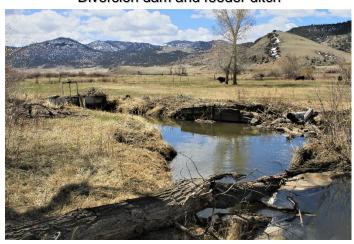
Headgate outlet



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