

SAGUACHE CREEK DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: I L GOTTHELF D

Reported By: Daniel Boyes

Date: April 12, 2019

Headgate	Latitude	Longitude
Location:	38.1258	-106.390653

Headgate Type: Manually operated 2' wide rectangular screw gate

Headgate A <input type="checkbox"/>	Diversion and A <input type="checkbox"/>	Stream Miles from	Structure Yes <input type="checkbox"/>
Condition: B <input type="checkbox"/>	Other Condition: B <input type="checkbox"/>	Saguache Creek	Submerged: No <input checked="" type="checkbox"/>
C <input checked="" type="checkbox"/>	C <input type="checkbox"/>	Terminus (Point of	
D <input type="checkbox"/>	D <input checked="" type="checkbox"/>	Diversion):	
F <input type="checkbox"/>	F <input type="checkbox"/>	58.95 mi	

Structure Description: This structure is located at the upstream end of a meander. A boulder diversion dam directs water to the headgate, which is located on the south bank of the stream. The headgate is tilted and its headwall is bulging. The stream is unstable in this location, with the possibility of channel avulsion. The bank just upstream of the diversion is eroding, which may cause issues for this structure in the future.

Repair(s) or Improvement(s) Currently Needed: Given these issues, the SMP Technical Advisory Team (TAT) recommends replacing the diversion dam and repairing the headgate. A new diversion dam would reduce maintenance and improve sediment transport at this location. Headgate improvements would improve ditch efficiency.

Comments: This ditch is a priority 22.

Notes:

Estimated Range of Cost: Medium-High

Headgate looking downstream



Headgate outlet



Headgate and diversion dam



Diversion dam



Flume looking downstream



Flume looking upstream



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IL GOTTHELF DITCH

PHOTO LOG

Saguache Creek Stream Management Plan