

SAGUACHE CREEK DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: RESERVOIR ENLARGEMENT D

Reported By: Daniel Boyes

Date: April 11, 2019

Headgate	Latitude	Longitude
Location:	38.094894	-106.191535

Headgate Type: Manually operated 4' 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 type="checkbox"/>		B <input type="checkbox"/>	33.55 mi	No <input checked="" type="checkbox"/>
	C <input checked="" 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: A diversion dam made of rocks and debris diverts water to the headgate on the north bank of the stream. This ditch has trouble accessing its full decree in low flow conditions. The stream is relatively stable here, however accelerated bank erosion is occurring near this structure. The headgate is in poor condition. The headwall is bulging and the screw gate is bent.

Repair(s) or Improvement(s) Currently Needed: Given these issues, the SMP Technical Advisory Team (TAT) recommends improving the diversion dam, riparian revegetation, and headgate/headwall repair or replacement. An improved diversion and headgate would allow this ditch to access its full decree during low flows and would increase ditch efficiency. Riparian revegetation would reduce bank erosion and mitigate sediment impacts at this structure

Comments: This ditch includes the following priorities: 7, 9, 19, 23, 27, 37, 46, and 76. This ditch has trans-mountain water rights.

Notes:

Estimated Range of Cost: Medium

Headgate looking downstream



Headgate outlet



Headgate and diversion dam



Diversion dam



Flume looking downstream



Flume looking upstream



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RESERVOIR ENLARGEMENT DITCH

PHOTO LOG

Saguache Creek Stream
Management Plan