

SAGUACHE CREEK DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: MUNRO D 1

Reported By: Daniel Boyes

Date: April 11, 2019

Headgate	Latitude	Longitude
Location:	38.152134	-106.328271

Headgate Type: Manually operated 3' wide 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"/>	50.9 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: This diversion is located at the apex of a meander in the stream. Accelerated bank erosion is occurring near this structure and contributing to sedimentation at the diversion. A stacked boulder diversion dam directs water to the headgate, which is located on the north bank of the stream. The diversion has led to channel constriction and a disruption to natural sediment transport processes. It also forms a partial barrier to fish passage, depending on flow levels and the configuration of the diversion. The headgate is tilted and the flume is sunken and partially collapsed due to woody vegetation.

Repair(s) or Improvement(s) Currently Needed: The SMP Technical Advisory Team (TAT) recommends replacing the diversion and resetting the headgate and flume to reduce maintenance and improve long-term measurement accuracy. The TAT also recommends creating fish passage and improving sediment transport at this location. A new diversion would reduce maintenance, create fish passage, and improve sediment transport processes. Headgate and flume repairs would improve efficiency and reduce maintenance. Riparian revegetation would reduce bank erosion and mitigate sediment impacts at this structure.

Comments: This ditch is a priority 30.

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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PHOTO LOG

Saguache Creek Stream Management Plan