

SAGUACHE CREEK DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: HAWKINS D

Reported By: Daniel Boyes

Date: April 4, 2019

Headgate	Latitude	Longitude
Location:	38.104875	-106.490006

Headgate Type: Manually operated 2' wide screw gate

Headgate	A <input type="checkbox"/>	Diversion and	A <input type="checkbox"/>	Stream Miles from	Structure	Yes <input type="checkbox"/>
Condition:	B <input checked="" type="checkbox"/>	Other Condition:	B <input type="checkbox"/>	Saguache Creek	Submerged:	No <input checked="" type="checkbox"/>
	C <input type="checkbox"/>		C <input type="checkbox"/>	Terminus:		
	D <input type="checkbox"/>		D <input checked="" type="checkbox"/>	71.51 mi		
	F <input type="checkbox"/>		F <input type="checkbox"/>			

Structure Description: This structure is located at the apex of a meander. Upstream of the headgate, located on the east bank of the stream, the bank is experiencing erosion. There is a minor risk of the upstream meander being cut off due to channel avulsion (see photos in report card). If this occurs, the structure would be significantly impaired. The diversion dam is made up of large boulders and woody debris and is often supplemented with hay bales. The headwall has been damaged and functions poorly.

Repair(s) or Improvement(s) Currently Needed: Given the issues identified at this structure, the SMP Technical Advisory Team (TAT) recommends diversion dam improvements, headwall repair, bank stabilization, and riparian revegetation. The TAT also recommends fish passage and adequate sediment transport in this reach. An improved diversion would reduce debris accumulation and bank erosion, promote sediment transport and fish passage, and increase efficiency. Bank stabilization and riparian revegetation would reduce the risk of channel avulsion and increase bank stability.

Comments: This ditch is a priority 3.

Notes:

Estimated Range of Cost: Medium

Headgate looking downstream



Headgate outlet



Diversion dam looking upstream



Diversion dam looking downstream



Flume looking downstream



Flume looking upstream



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HAWKINS DITCH

PHOTO LOG

Saguache Creek Stream Management Plan



Hawkins Ditch point of diversion/headgate location