

SAGUACHE CREEK DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: FRIESE D 1

Reported By: Daniel Boyes

Date: April 12, 2019

Headgate	Latitude	Longitude
Location:	38.143895	-106.341182

Headgate Type: Manually operated 3' wide wooden 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"/>	53.13 mi	

Structure Description: This diversion is located just downstream of Friese Ditch 2, on the opposite bank and at the apex of a meander. A boulder diversion dam directs water to the headgate, located on the north bank of the stream. The headgate functions but leaks significantly. Downstream of the diversion dam, a scour pool has formed and the north bank of the stream is eroding. The diversion also creates a partial barrier to fish passage.

Repair(s) or Improvement(s) Currently Needed: Given these issues, the SMP Technical Advisory Team (TAT) recommends improving the diversion and repairing the headgate's leak. A new diversion would provide fish passage and mitigate downstream erosion. Alternatively, the point of diversion for Munro Ditch 2 could be combined with this structure's diversion. This would reduce overall maintenance and improve sediment transport processes.

Comments: This ditch is a priority 14

Notes:

Estimated Range of Cost: Low

Headgate looking downstream



Headgate outlet



Diversion dam looking downstream



Diversion dam looking upstream



Flume looking downstream



Flume looking upstream



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PHOTO LOG

Saguache Creek Stream
Management Plan