

SAGUACHE CREEK DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: WARD HIGHLINE D

Reported By: Daniel Boyes

Date: April 12, 2019

Headgate	Latitude	Longitude
Location:	38.15205	-106.275289

Headgate Type: Manually operated 2' wide wooden 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): 44.44 mi	Structure Submerged: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
	B <input type="checkbox"/>		B <input type="checkbox"/>		
	C <input checked="" type="checkbox"/>		C <input type="checkbox"/>		
	D <input type="checkbox"/>		D <input checked="" type="checkbox"/>		
	F <input type="checkbox"/>		F <input type="checkbox"/>		

Structure Description: This diversion is located in the transition zone between two meanders. Bank erosion is occurring, particularly upstream of the structure. The diversion dam is made up of boulders, t-posts, and a large utility pole spanning the stream. The diversion dam directs water to a short, approximately 50-foot feeder channel and to the headgate. The utility pole provides bracing for the t-posts as well as bridge access across the stream. The diversion causes a significant drop in the stream's elevation, which creates a barrier to fish passage. At high flow, the drop by can be as high as 6 ft. It also causes sediment accumulation upstream of the diversion dam.

Repair(s) or Improvement(s) Currently Needed: Although this diversion functions for water users, the SMP Technical Advisory Team (TAT) recommends replacement to create fish passage at this location. Alternatively, the Farrington Ditch 2 point of diversion could be utilized for this ditch. Consolidating the two structures would reduce maintenance and stream impacts. Riparian revegetation would reduce bank erosion and mitigate sediment impacts at this structure.

Comments: This ditch is a priority 18.

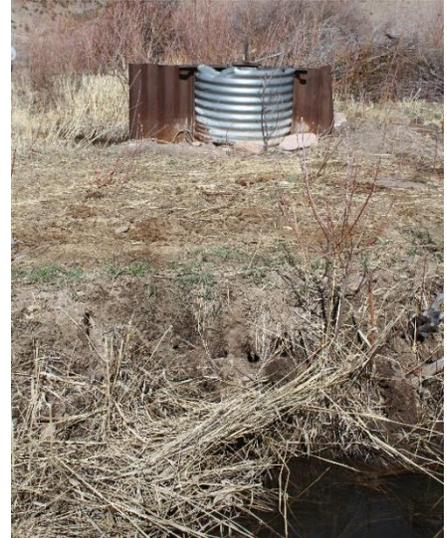
Notes:

Estimated Range of Cost: Medium

Headgate looking downstream



Headgate outlet



Diversion dam and feeder ditch



Diversion dam



Diversion dam



Flume looking upstream



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WARD HIGHLINE DITCH

PHOTO LOG

Saguache Creek Stream Management Plan