

# SAGUACHE CREEK DIVERSION INFRASTRUCTURE INVENTORY

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**Structure Name:** WARD HIGHLINE D

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**Reported By:** Daniel Boyes

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**Date:** April 12, 2019

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Headgate	Latitude	Longitude
Location:	38.15205	-106.275289

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**Headgate Type:** Manually operated 2' wide wooden screw gate

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<b>Headgate Condition:</b>	A <input type="checkbox"/>	<b>Diversion and other Condition:</b>	A <input type="checkbox"/>	<b>Stream Miles From Saguache Creek Terminus (Point Of Diversion):</b> 44.44 mi	<b>Structure</b> Yes <input type="checkbox"/>
	B <input type="checkbox"/>		B <input type="checkbox"/>		<b>Submerged:</b> No <input checked="" type="checkbox"/>
	C <input checked="" type="checkbox"/>		C <input type="checkbox"/>		
	D <input type="checkbox"/>		D <input checked="" type="checkbox"/>		
	E <input type="checkbox"/>		E <input type="checkbox"/>		
	F <input type="checkbox"/>		F <input type="checkbox"/>		

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**Repair(s) or Improvement(s) Currently Needed:** The headgate could be improved and the diversion dam should be replaced with a less dangerous structure that allows for fish passage. Some woody vegetation should be cleared to improve access to structure. Riparian restoration should be considered as part of any future repairs or improvements.

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**Structure Description:** This ditch is located in the transition zone between two meanders. The diversion dam is made up of boulders, t-posts, and a large telephone pole spanning the river. The telephone poll provides bracing for the t-posts as well as an access bridge across the stream. The diversion causes a significant drop in the stream's elevation, which creates a barrier to fish passage. At some flows, the drop by can be as high as 6 feet. It also limits sediment transport and causes water to back up and the form a pool upstream of the diversion dam. Although this diversion functions moderately well for the water users, it is dangerous to cross the telephone pole. The diversion dam directs water to a short, ~50 foot feeder ditch and to the headgate. The headgate functions but could be improved.

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**Comments:** This ditch is a priority 18.

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**Notes:**

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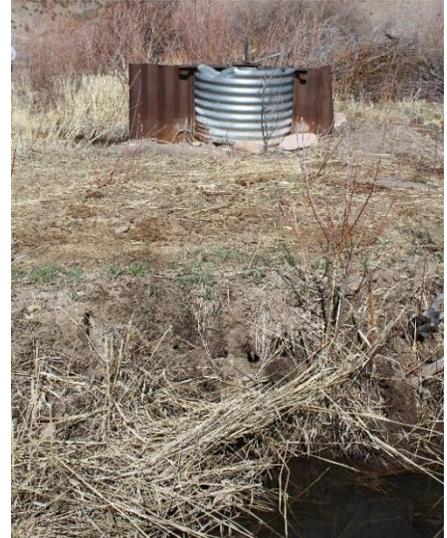
**Estimated Range of Cost:** Low

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Headgate looking downstream



Headgate outlet



Diversion dam and feeder ditch



Diversion dam



Diversion dam



Flume looking upstream



SAGUACHE CREEK DIVERSION INFRASTRUCTURE INVENTORY

WARD HIGHLINE DITCH

PHOTO LOG

Saguache Creek Stream Management Plan