

# SAGUACHE CREEK DIVERSION INFRASTRUCTURE INVENTORY

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**Structure Name:** MORRISON D

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**Reported By:** Daniel Boyes

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**Date:** August 8, 2019

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Headgate	Latitude	Longitude
Location:	38.114623	-106.243078

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**Headgate Type:** Manually operated 2' wide steel slide 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>	<b>Structure Submerged:</b> Yes <input type="checkbox"/>
	B <input type="checkbox"/>		B <input type="checkbox"/>	38.35 mi	No <input checked="" type="checkbox"/>
	C <input type="checkbox"/>		C <input type="checkbox"/>		
	D <input checked="" type="checkbox"/>		D <input checked="" type="checkbox"/>		
	F <input type="checkbox"/>		F <input type="checkbox"/>		

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**Structure Description:** This structure is located at the downstream end of a meander. A stacked rock diversion dam with two large tree trunks and other woody debris directs water to the headgate, located on the south bank of the stream. The headgate is titled and is difficult to operate. The diversion can form a barrier to fish passage at low flows. During 2019 spring runoff, the recently installed diversion dam was partially washed out. Many of the boulders making up the diversion were washed downstream (see photos below). Below the headgate, the ditch is relatively flat, leading to sediment and debris accumulation issues, including at the flume. Beaver activity in and nearby the ditch contribute large quantities of woody debris, presenting a significant maintenance challenge for the landowner and water users.

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**Repair(s) or Improvement(s) Currently Needed:** The SMP Technical Advisory Team (TAT) recommends repairing or replacing the diversion, resetting the headgate, and resetting or replacing the flume to improve measurement accuracy. Resetting the headgate would improve function and ease of use. The TAT also recommends incorporating fish passage if the diversion is modified or replaced. Note: between this diversion and Fullerton Ditch 1 APD, the stream bifurcates, with Werner Arroyo flowing south of the mainstem.

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**Comments:** This ditch is a priority 11.

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**Notes:**

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**Estimated Range of Cost:** Medium

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Headgate looking downstream



Headgate outlet



Headgate and diversion dam



Diversion dam



Flume looking downstream



Flume looking upstream



SAGUACHE CREEK DIVERSION INFRASTRUCTURE INVENTORY

MORRISON DITCH

PHOTO LOG

Saguache Creek Stream  
Management Plan





**Saguache Creek channel looking upstream of diversion**



**Saguache Creek channel looking downstream of diversion**