

# SAGUACHE CREEK DIVERSION INFRASTRUCTURE INVENTORY

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**Structure Name:** CARRUTHERS D

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**Reported By:** Daniel Boyes

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**Date:** April 4, 2019

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Headgate	Latitude	Longitude
Location:	38.118874	-106.473297

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**Headgate Type:** Manually operated 2' 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>	<b>Structure Submerged:</b> Yes <input type="checkbox"/>
	B <input checked="" type="checkbox"/>		B <input type="checkbox"/>		No <input checked="" type="checkbox"/>
	C <input type="checkbox"/>		C <input checked="" type="checkbox"/>		
	D <input type="checkbox"/>		D <input type="checkbox"/>		
	F <input type="checkbox"/>		F <input type="checkbox"/>	69.0 mi	

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**Structure Description:** A boulder diversion dam directs water to the headgate, which is located on the west bank of the stream. The diversion is located in the transition zone between two meanders. The headgate is tilted and is being eroded. The stream is disconnected from its floodplain in some areas of this reach.

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**Repair(s) or Improvement(s) Currently Needed:** The SMP Technical Advisory Team (TAT) recommends resetting the headgate and restoring the bank upstream of this structure. Headgate repair would improve efficiency and reduce maintenance. Bank stabilization and riparian revegetation would help protect the headgate, mitigate erosion, and reconnect the stream with its floodplain.

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**Comments:** This ditch is a priority 23.

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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

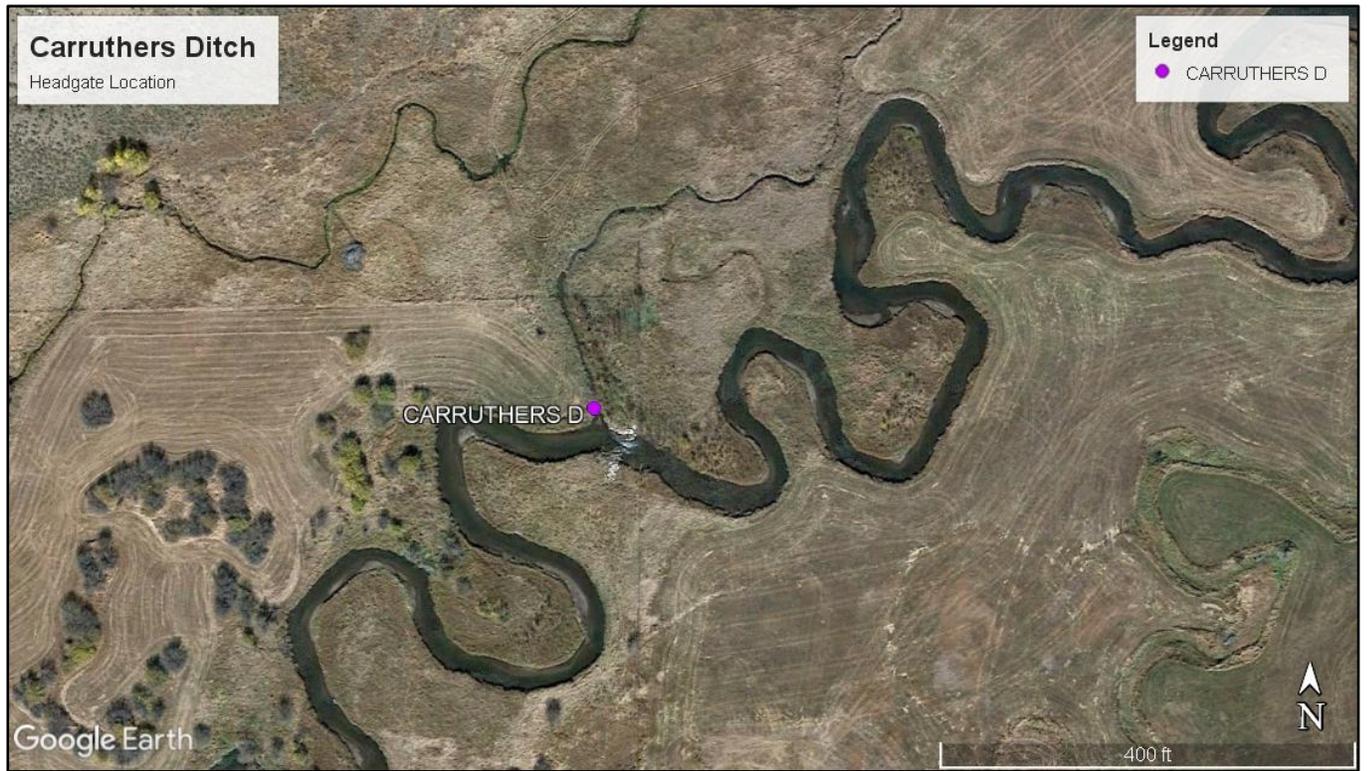


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CARRUTHERS DITCH

PHOTO LOG

Saguache Creek Stream Management Plan



Carruthers Ditch headgate location. This image illustrates the high channel sinuosity in this reach