

# SAGUACHE CREEK DIVERSION INFRASTRUCTURE INVENTORY

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**Structure Name:** MALONE SULLIVAN COMMUNITY D

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**Reported By:** Daniel Boyes

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**Date:** April 3, 2019

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| Headgate  | Latitude  | Longitude |
|-----------|-----------|-----------|
| Location: | 38.078824 | -106.1589 |

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**Headgate Type:** Manually operated 3.5' 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 During Inspection:</b> Yes <input type="checkbox"/> |
|                            | B- <input checked="" type="checkbox"/> |                                       | B <input type="checkbox"/>            | 30.6 mi  | No <input checked="" type="checkbox"/>                                     |
|                            | C <input type="checkbox"/>             |                                       | C <input type="checkbox"/>            |  |  |
|                            | D <input type="checkbox"/>             |                                       | D <input checked="" type="checkbox"/> |  |  |
|                            | F <input type="checkbox"/>             |                                       | F <input type="checkbox"/>            |  |  |

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**Structure Description:** This diversion is located just downstream of County Rd 46. A stacked rock diversion dam directs water to an approximately 450 ft feeder channel that delivers water to a second diversion dam and to the headgate. The headgate currently functions but is at risk of washing out at high flows. The diversion dam on the feeder channel is a check board structure with steel wing walls that directs water to the headgate on the north bank of the stream. Any unused water returns to the stream just downstream of the diversion dam. The diversion's wing walls are bulging and it is difficult to adjust for low flow conditions. The ditch between the headgate and flume was recently cleared and improved.

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**Repair(s) or Improvement(s) Currently Needed:** Given the issues identified, the SMP Technical Advisory Team (TAT) recommends repairing or replacing the diversion and improving the headgate. Diversion improvement would reduce maintenance and improve the ditch's ability access to its full decree at all flows. Headgate reinforcement would prevent it from being washed out.

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**Comments:** This ditch is a priority 1. This ditch includes the Malone Sullivan Ditch 1, Malone Sullivan Ditch 2, Heimberger Ditch 1, Cato Ditch, and the Luengen Sullivan Ditch

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**Notes:**

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**Estimated Range of Cost:** Medium

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Headgate looking downstream



Headgate outlet



Diversion dam looking upstream



Diversion dam looking downstream



Diversion off main channel looking downstream



Flume looking upstream



SAGUACHE CREEK DIVERSION INFRASTRUCTURE INVENTORY

MALONE SULLIVAN COMMUNITY DITCH

PHOTO LOG

Saguache Creek Stream Management Plan