

SAGUACHE CREEK DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: CHASE PEYTON D

Reported By: Daniel Boyes

Date: April 4, 2019

Headgate	Latitude	Longitude
Location:	38.08586	-106.51121

Headgate Type: Manually operated 3' 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):	Structure Submerged: Yes <input type="checkbox"/>
	B <input checked="" type="checkbox"/>		B <input type="checkbox"/>	74.29 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"/>		

Structure Description: This is the first diversion structure on Saguache Creek. A stacked rock diversion dam directs water to the headgate, which is located on the north stream bank. A new diversion dam and bank stabilization structures were installed in 2019 in partnership with NRCS. The headgate and flume were not affected as part of those repairs. Bank erosion and meander cutoffs are relatively common on upper Saguache Creek. During spring runoff in 2019, the meander feeding this ditch was cut off, resulting in the stream bypassing the structure (see map in report card).

Repair(s) or Improvement(s) Currently Needed: Given the issues identified at this structure, the SMP Technical Advisory Team (TAT) recommends the following possible long-term solutions to the recent meander cut off: 1) rebuild the stream bank that was breached to redirect flow to the original stream channel and to the headgate; 2) relocate the point of diversion to divert flows just downstream of the current point of diversion. If the point of diversion is relocated, the TAT recommends retaining the original diversion dam and headgate in the event the stream recaptures the original channel.

Comments: This ditch is a priority 1. The photo log below includes photos taken prior and after the diversion and bank work completed in 2019.

Notes:

Estimated Range of Cost: Moderate

Headgate (pre-2019 runoff)



Headgate outlet (post-2019 runoff)



Headgate and diversion dam



Dry channel looking downstream



Dry channel looking upstream



Flume looking downstream



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CHASE PEYTON DITCH

PHOTO LOG

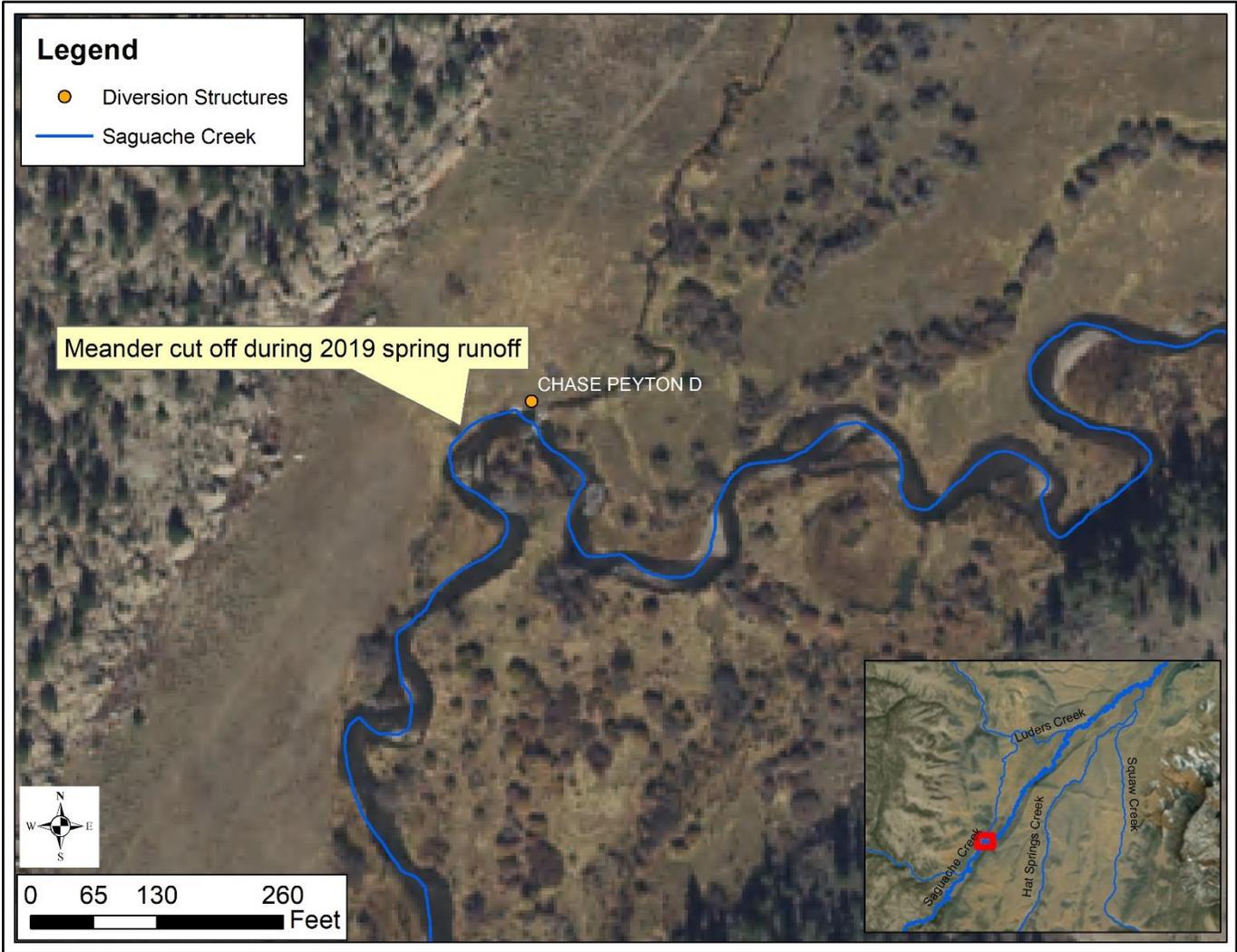
Saguache Creek Stream Management Plan



Dry meander, which was cut off during 2019 spring runoff.



This photo, looking downstream, shows the meander (left) that was cut off during 2019 spring runoff.



Point of diversion and meander that was cut off during 2019 spring runoff.