

SAGUACHE CREEK DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: PIQUET D 21

Reported By: Daniel Boyes

Date: August 8, 2019

Headgate	Latitude	Longitude
Location:	38.157379	-106.317563

Headgate Type: 2.5' wide rectangular box with checkboards

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 checked="" type="checkbox"/>
	B <input type="checkbox"/>		B <input type="checkbox"/>		No <input type="checkbox"/>
	C <input type="checkbox"/>		C <input type="checkbox"/>		
	D <input type="checkbox"/>		D <input type="checkbox"/>		
	F <input checked="" type="checkbox"/>		F <input type="checkbox"/>	49.66 mi	
			N/A <input checked="" type="checkbox"/>		

Structure Description: A stacked rock diversion dam directs water to the headgate, located on the south bank. The diversion dam is in poor condition, with few boulders remaining, and is unable to divert water at low flows. The headgate also functions very poorly, failing to seal. Accelerated bank erosion is occurring near this structure. The measurement device could not be located at the time of inspection.

Repair(s) or Improvement(s) Currently Needed: The SMP Technical Advisory Team (TAT) recommends replacing the diversion with an improved stacked rock structure, implementing riparian revegetation, and repairing the headgate. An improved diversion would divert water at all flows and headgate repair would eliminate leakage and increase efficiency. Riparian revegetation would reduce bank erosion and mitigate sediment impacts at this structure.

Comments: This ditch is a priority 105.

Notes:

Estimated Range of Cost: Low

Headgate looking downstream



Headgate outlet



Diversion dam looking upstream



Diversion dam looking north



Diversion dam looking downstream



Channel upstream of diversion dam

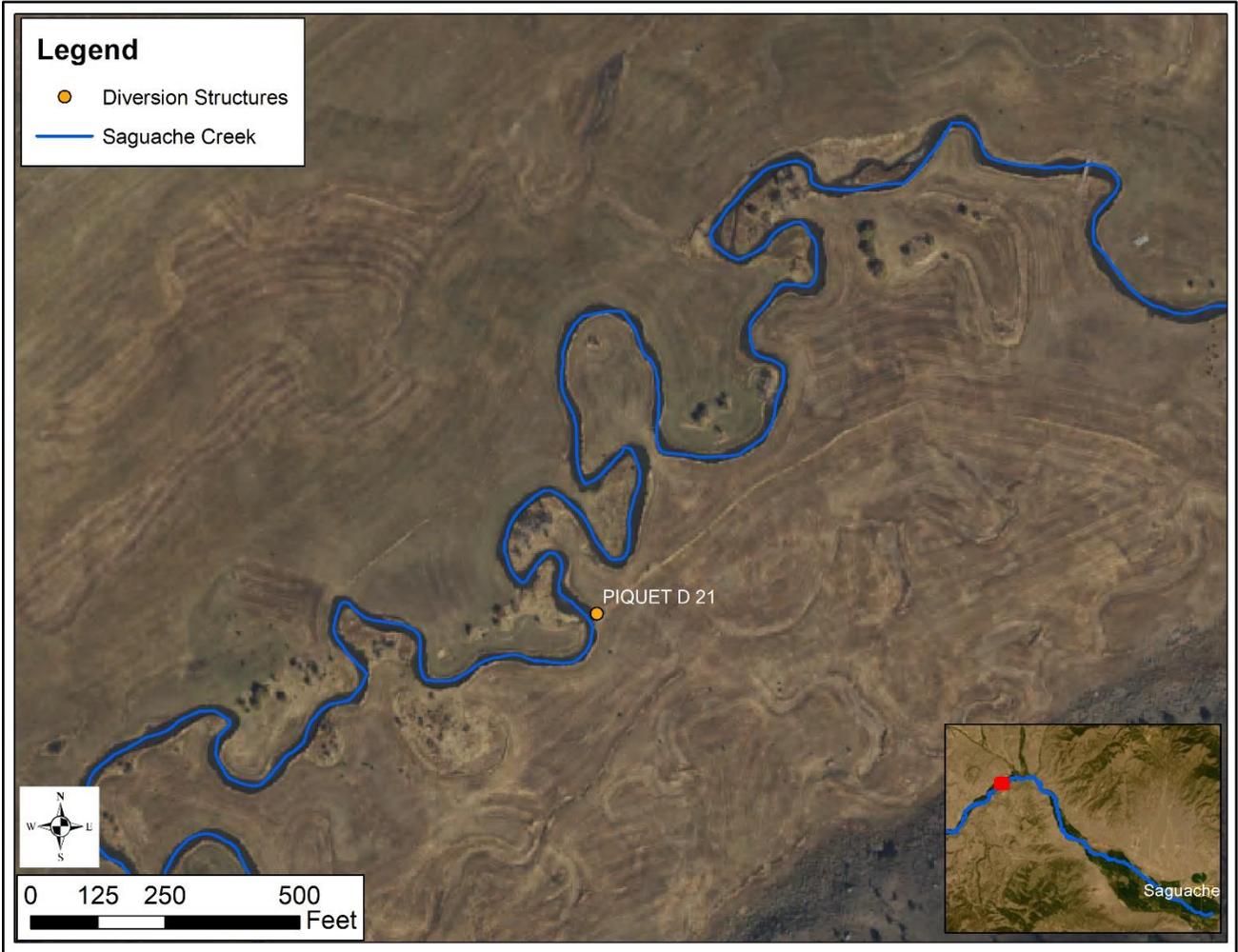


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PIQUET DITCH 21

PHOTO LOG

Saguache Creek Stream Management Plan



Piquet Ditch 21 point of diversion location