

SAGUACHE CREEK DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: BRAUN BROS D 1

Reported By: Daniel Boyes

Date: April 3, 2019

Headgate	Latitude	Longitude
Location:	38.05458	-106.0446

Headgate Type: Manually operated 2' 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 type="checkbox"/>		B <input type="checkbox"/>	21.25 mi	No <input checked="" type="checkbox"/>
	C <input checked="" type="checkbox"/>		C <input checked="" type="checkbox"/>		
	D <input type="checkbox"/>		D <input type="checkbox"/>		
	F <input type="checkbox"/>		F <input type="checkbox"/>		

Structure Description: This structure is located just upstream of County Road X and Braun Bridge. The diversion dam is a check board structure with a recently installed catwalk. It is shared with the Nehls Company Ditch. The headgate, located on the north bank of the stream, functions moderately well but is hindered by sediment and woody debris accumulation. During 2019 spring runoff, the stream left the channel, flooding the adjacent field and leaving significantly less flow available for diversion. The bank was reinforced using compacted soil (see photos below).

Repair(s) or Improvement(s) Currently Needed: The SMP Technical Advisory Team (TAT) recommends riparian revegetation upstream of the diversion and installation of a sluice gate adjacent to the headgate. Revegetation would mitigate upstream erosion and flooding and a sluice gate would improve sediment transport.

Comments: This ditch is a priority 19.

Notes:

Estimated Range of Cost: Medium

Headgate looking downstream



Headgate outlet



Headgate outlet



Diversion dam



Flume looking downstream



Flume looking upstream



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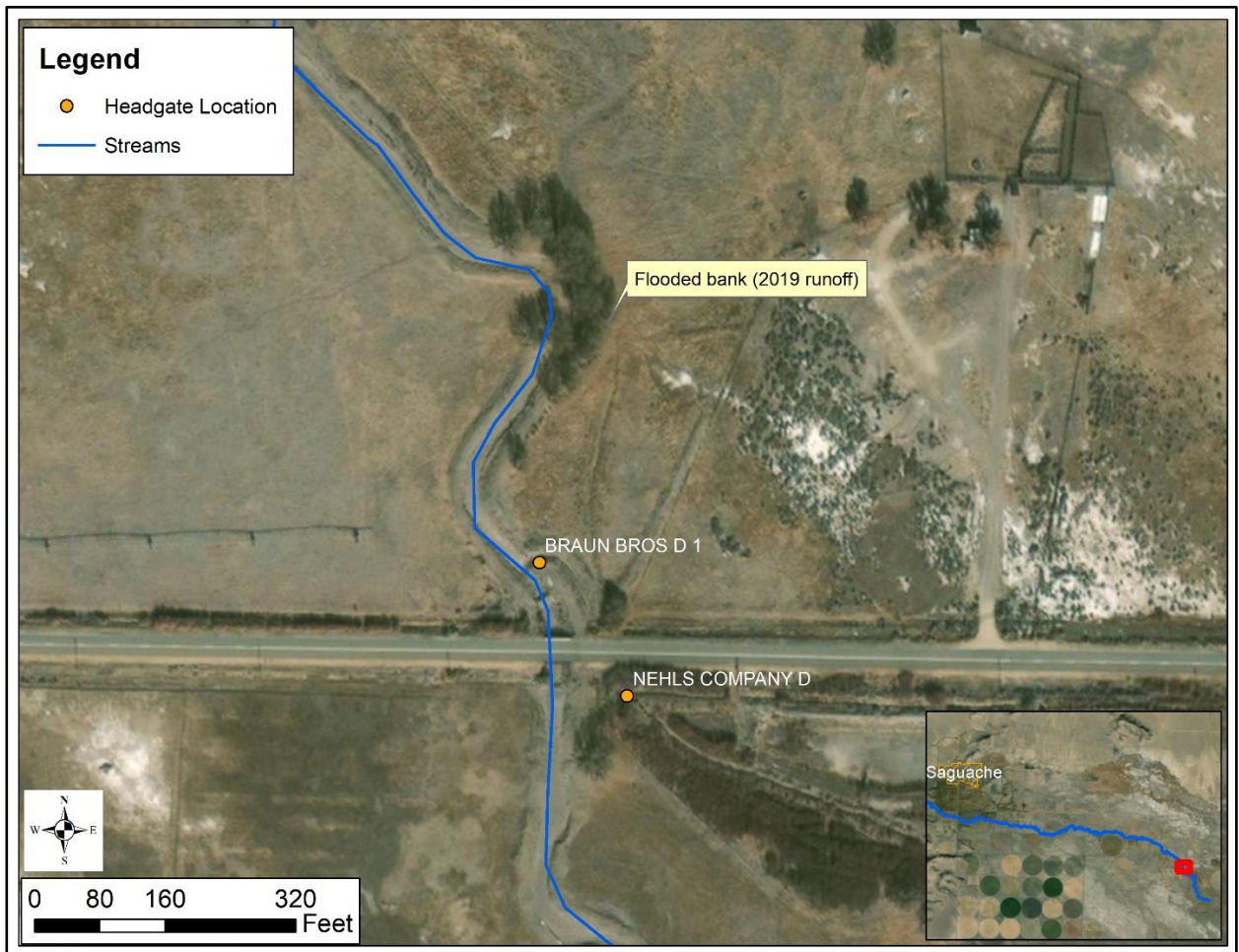
BRAUN BROS DITCH 1

PHOTO LOG

Saguache Creek Stream
Management Plan



Failed bank that was reinforced with compacted soil



Braun Bros Ditch 1 headgate location and surrounding stream channel.