

SAGUACHE CREEK DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: GEORGE BALL D

Reported By: Daniel Boyes

Date: April 3, 2019

Headgate	Latitude	Longitude
Location:	38.06525	-106.10316

Headgate Type: Manually operated 3' wide rectangular 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"/>	18.21 mi	No <input checked="" type="checkbox"/>
	C <input type="checkbox"/>		C <input type="checkbox"/>		
	D <input checked="" type="checkbox"/>		D <input checked="" type="checkbox"/>		
	F <input type="checkbox"/>		F <input type="checkbox"/>		

Repair(s) or Improvement(s) Currently Needed: The leaky headgate needs to be repaired and a new wheel needs to be installed. A new diversion dam should be installed that requires less maintenance and allows debris to pass through the system. Bank stabilization is needed downstream of the diversion dam to prevent channel widening and potential dam and headgate failure. Continued ditch maintenance is required, paying particular attention to ensuring the ditch remains in one channel below the headgate. Fish passage and riparian restoration should be considered as part of any future repairs or improvements.

Structure Description: A diversion dam composed of t-posts, a telephone poll, and rocks diverts water to the headgate, which is located on the south bank of the stream. Woody debris accumulates on the dam, making it difficult to adjust head pressure. The streambank downstream of the headgate is eroding and may cause the entire headgate to wash out at high flows. The headgate also leaks significantly. The flume measures accurately but is tilted and severely eroded on its downstream side. During a high flow event, it is possible that the stream could intercept an historic channel beginning just downstream of Quartet Ditch. If this occurs, it would cause the stream to bypass the George Ball Ditch headgate.

Comments: This ditch is a priority 36. This ditch also serves Turnbull Luengen Ditch, Hodgson Ditch 1 and Hodgson Ditch 2.

Notes:

Estimated Range of Cost: High

Headgate looking downstream



Headgate outlet



Headgate and diversion dam



Diversion dam



Flume looking downstream



Flume looking upstream



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GEORGE BALL DITCH

PHOTO LOG

Saguache Creek Stream
Management Plan