

RIO GRANDE DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: JESSUP D 1

Reported By: Daniel Boyes

Date: May 7, 2019

Headgate	Latitude	Longitude
Location:	37.72506	-106.708492

Headgate Type: Manually operated steel slide gates (2)

Headgate Condition:	A <input type="checkbox"/>	Diversion and Other Condition:	A <input type="checkbox"/>	River Miles from New Mexico State Line (Point of Diversion):	Structure Submerged: Yes <input type="checkbox"/>
	B- <input checked="" type="checkbox"/>		B <input type="checkbox"/>		No <input checked="" type="checkbox"/>
	C <input type="checkbox"/>		C <input type="checkbox"/>		
	D <input type="checkbox"/>		D <input checked="" type="checkbox"/>	126.75 mi	
	F <input type="checkbox"/>		F <input type="checkbox"/>		

Repair(s) or Improvement(s) Completed Since 2006: The water rights holder began using portable water pump to replace existing water pump, which was not functioning effectively.

Structure Description: This structure is located on the south bank of the Rio Grande approximately 0.5 mile downstream of the Upper Collier Bridge in the Collier State Wildlife Area. A stacked rock diversion dam, installed in 2007 as part of a fish habitat improvement project, diverts water into a short feeder channel to the headgate. The headgate is housed inside a pump house, which is currently non-functional. The diversion dam and feeder channel function well. The water right holder uses a portable pump at a settling pond approximately 730 ft downstream of the headgate. Water is pumped upstream from the diversion.

See photos for reference.

Repair(s) or Improvement(s) Currently Needed: Given the challenge of using a portable pump to irrigate, the SMP Technical Advisory Team (TAT) recommends repair or replacement of the pump house.

Comments: This ditch includes priorities 1903-1, 1903-17C, and 1903-24H.

Notes:

Estimated Range of Cost: Medium

Pump house and trash rack



Headgate and pump house



Mobile pump downstream of headgate



Diversion dam



Flume looking downstream



Flume looking upstream

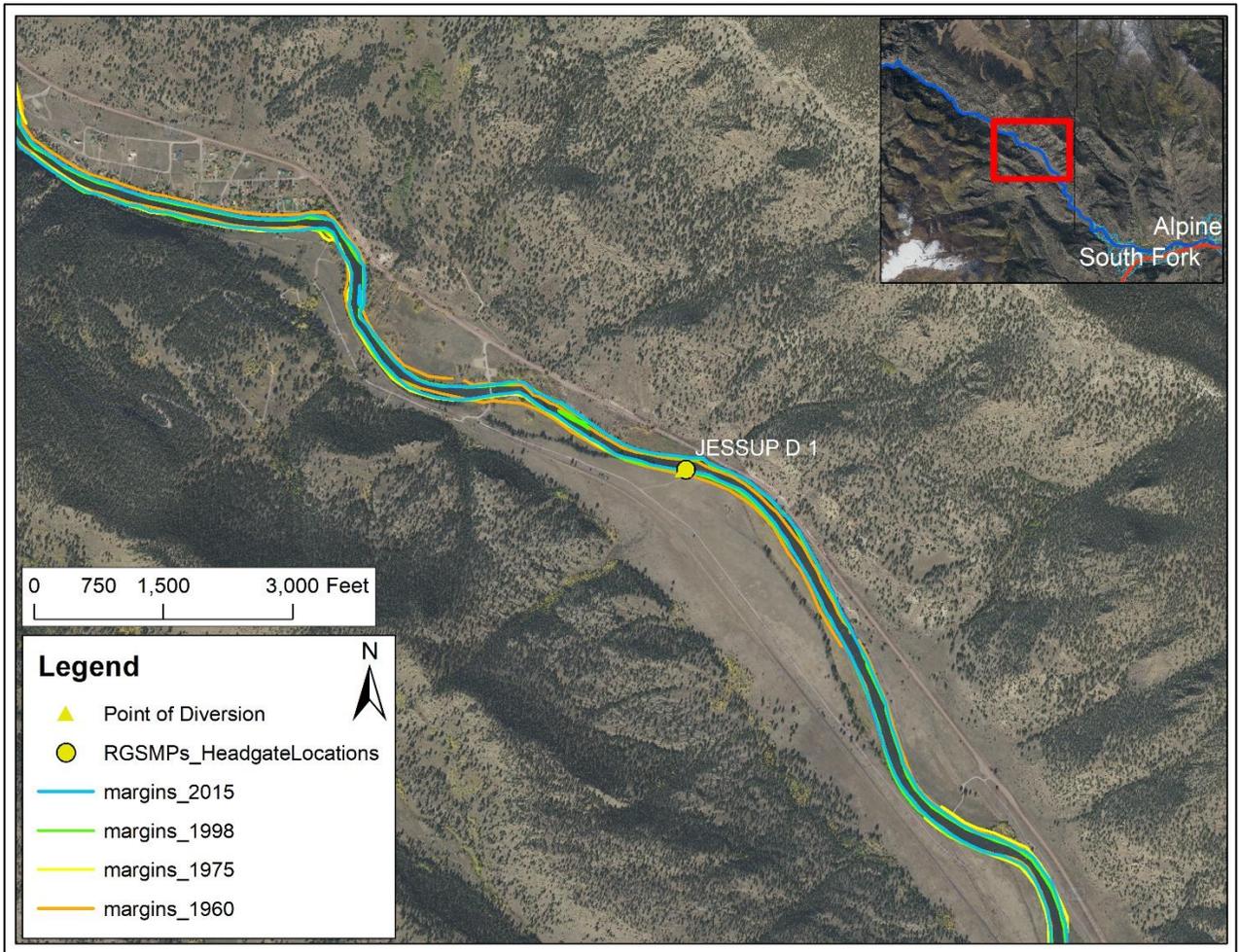


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PHOTO LOG

Rio Grande Stream Management Plan



Map showing Jessup Ditch 1. Channel margin analysis using 1960, 1975, 1998, and 2015 aerial imagery (overlaid on this map) shows the river has migrated very little.