

# RIO GRANDE DIVERSION INFRASTRUCTURE INVENTORY

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**Structure Name:** STAR D

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**Reported By:** Daniel Boyes

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**Date:** April 1, 2019

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Headgate	Latitude	Longitude
Location:	37.6097	-106.19978333

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**Headgate Type:** Manually operated 2' wide steel slide gate

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<b>Headgate Condition:</b>	A <input type="checkbox"/>	<b>Diversion and Other Condition:</b>	A <input type="checkbox"/>	<b>River Miles from New Mexico State Line (Point of Diversion):</b>	<b>Structure Submerged:</b> Yes <input type="checkbox"/>
	B <input checked="" type="checkbox"/>		B <input checked="" type="checkbox"/>	89.38 mi	No <input checked="" type="checkbox"/>
	C <input type="checkbox"/>		C <input type="checkbox"/>		
	D <input type="checkbox"/>		D <input type="checkbox"/>		
	F <input type="checkbox"/>		F <input type="checkbox"/>		

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**Repair(s) or Improvement(s) Completed Since 2006:** The headgate and diversion dam on the Rio Grande were replaced in 2019 as part of the Rio Grande Headwaters Restoration Project's 5 Ditches Project, a partnership between RGHRP, NRCS, and the ditch company. They now function well.

**Structure Description:** Water is diverted off the Rio Grande via the Consolidated Slough Ditch diversion located on the south bank of the river. The Consolidated Slough delivers water to the feeder channel, which transports water approximately 3.1 miles to the Star Ditch headgate. The headgate is just upstream of the Atencio Ditch, Anderson Ditch, Rio Grande Lariat Ditch, and Rio Grande San Luis Ditch. The Consolidated Slough Weir creates enough head pressure in the Consolidated Slough to deliver water to a short feeder channel and the Star Ditch headgate. The headgate functions well and does not leak. The Parshall flume is slightly tilted and eroding on its downstream side.

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**Repair(s) or Improvement(s) Currently Needed:** The SMP Technical Advisory Team (TAT) recommends resetting the flume to maintain long-term measurement accuracy.

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**Comments:** This ditch includes priorities 263, 298, 1903-22D, 1903-30E, 1903-34F, and 1903-57E.

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**Notes:**

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**Estimated Range of Cost:** Low

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Headgate looking downstream



Headgate outlet



Consolidated Slough Weir



Consolidated Slough Weir looking upstream



Flume looking downstream



Flume looking upstream

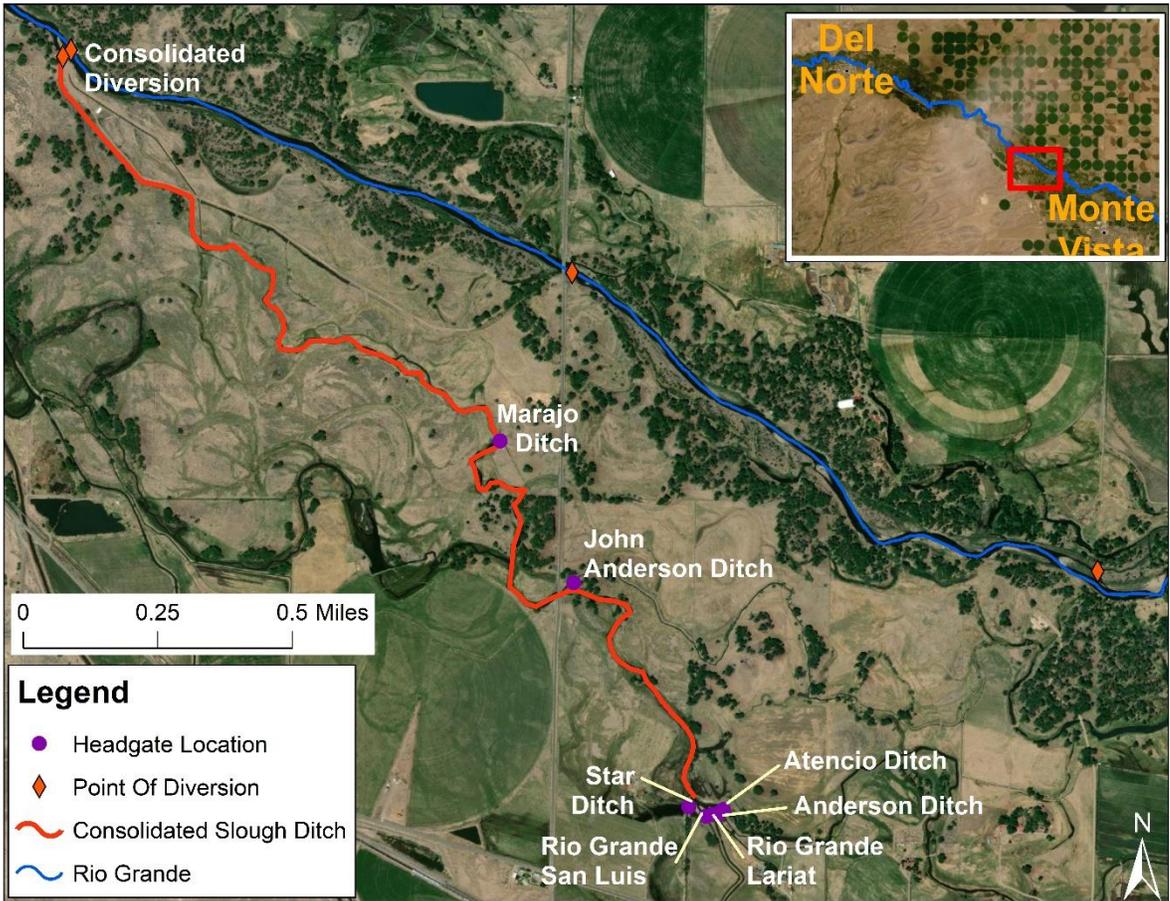


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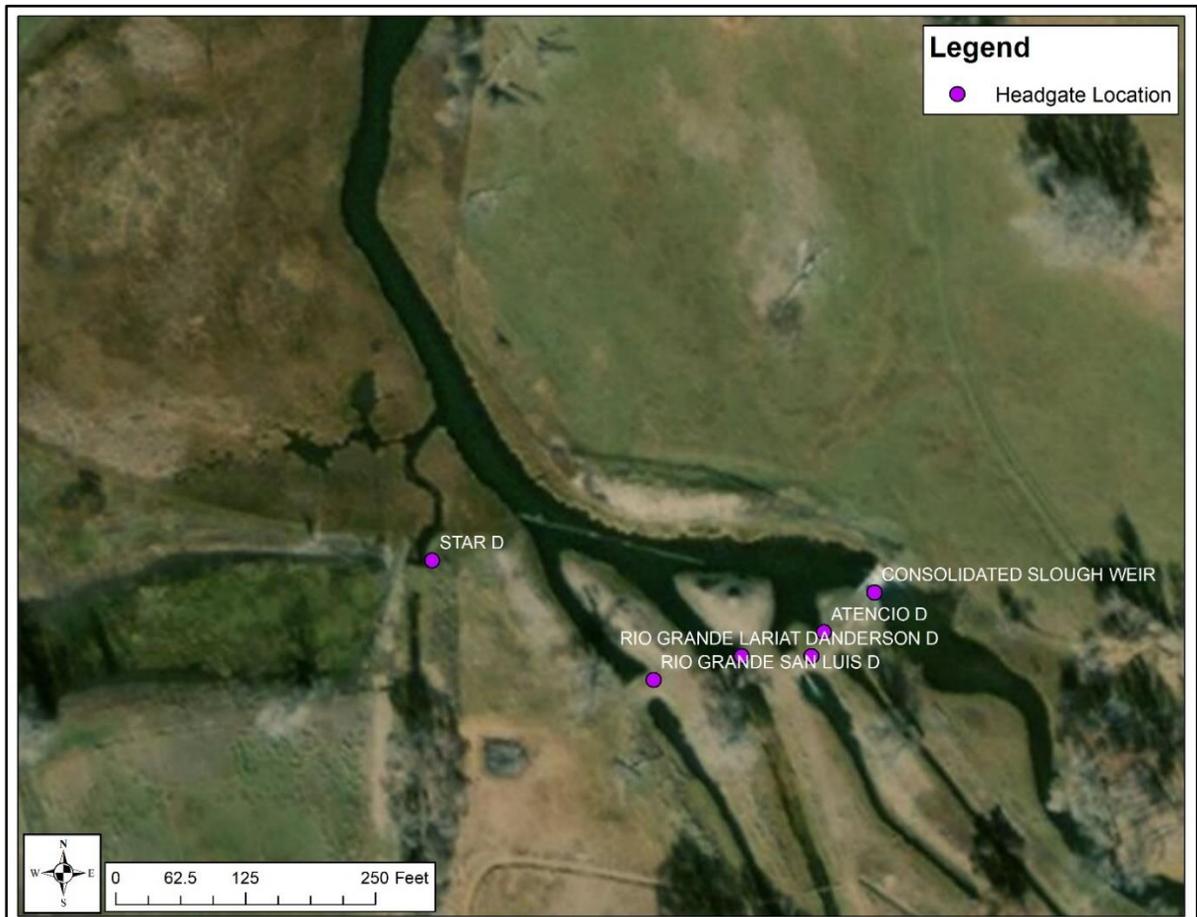
STAR DITCH

PHOTO LOG

Rio Grande Stream  
Management Plan



Consolidated Ditch diversion, feeder ditch, and headgates serviced, including Atencio Ditch



Map of Star D headgate location off the Consolidated Slough



New diversion dam servicing the Consolidated Slough and associated ditches.