

# RIO GRANDE DIVERSION INFRASTRUCTURE INVENTORY

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**Structure Name:** HALL-VOSS D

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**Reported By:** Daniel Boyes

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**Date:** April 1, 2019

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<b>Headgate</b>	<b>Latitude</b>	<b>Longitude</b>
<b>Location:</b>	37.6708	-106.27996667

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**Headgate Type:** Manually operated 2' wide cast iron 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 North Channel Rio Grande Terminus (Point of Diversion):</b>	<b>Structure Submerged:</b> Yes <input checked="" type="checkbox"/>
	B <input type="checkbox"/>		B <input checked="" type="checkbox"/>		No <input type="checkbox"/>
	C <input checked="" type="checkbox"/>		C <input type="checkbox"/>		
	D <input type="checkbox"/>		D <input type="checkbox"/>		
	F <input type="checkbox"/>		F <input type="checkbox"/>	1.47 mi	

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**Repair(s) or Improvement(s) Completed Since 2006:** Wooden weir was replaced with steel Parshall flume.

**Structure Description:** The river both upstream and downstream of this structure has remained stable in the recent past. A small stacked rock diversion dam directs water to the headgate, which is located on the south bank of the river. The diversion dam functions moderately well, but the ditch has difficulty conveying high flows. The headgate is wired to a fence post for support. The headgate lacks a supporting headwall and it leaks and is difficult to operate.

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**Repair(s) or Improvement(s) Currently Needed:** The Technical Advisory Team (TAT) recommends headgate replacement, installation of a headgate support structure, and ditch enlargement and/or cleaning to increase conveyance capacity.

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**Comments:** This ditch includes priorities 244, 275, and 350.

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**Notes:**

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**Estimated Range of Cost:** Low

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Headgate looking downstream



Headgate and diversion dam



Headgate outlet



Diversion dam



North channel Rio Grande looking downstream



Flume looking upstream



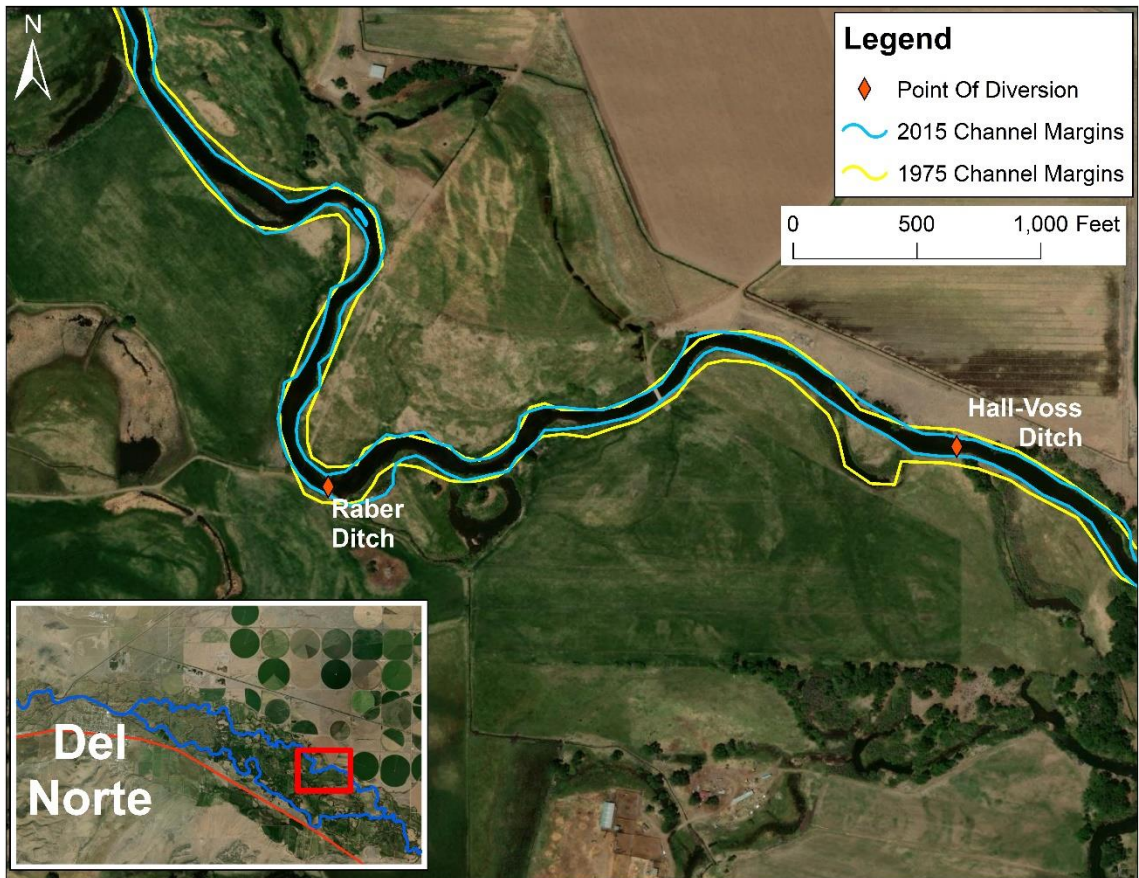
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HALL-VOSS DITCH

PHOTO LOG

Rio Grande Stream  
Management Plan





Map of headgate with 1975 and 2015 channel margins overlaid