

RIO GRANDE DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: DEL NORTE TOWN D

Reported By: Daniel Boyes

Date: May 7, 2019

Headgate	Latitude	Longitude
Location:	37.68075	-106.37208333

Headgate Type: Manually operated 2' wide steel slide gate

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 checked="" type="checkbox"/>
	B <input type="checkbox"/>		B <input type="checkbox"/>		No <input type="checkbox"/>
	C <input type="checkbox"/>		C <input checked="" type="checkbox"/>		
	D <input type="checkbox"/>		D <input type="checkbox"/>	103.09 mi	
	F <input checked="" type="checkbox"/>		F <input type="checkbox"/>		

Repair(s) or Improvement(s) Completed Since 2006: None

Structure Description: This structure shares a diversion with the Dyer Ditch. After passing the Dyer headgate, the channel merges with Pinos Creek and passes two overflow channels before reaching the Del Norte Town Ditch headgate (see aerial image in report card). During high flows, this ditch can also receive water from Pinos Creek. Water not diverted by the Dyer Ditch remains in the overflow channel, which merges with Pinos Creek. Both the diversion dam and headgate are aging and function poorly. At low flows, the ditch is unable to divert its full decree.

Repair(s) or Improvement(s) Currently Needed: The Technical Advisory Team (TAT) recommends replacing the existing diversion and headgate and removing an old headgate, which is located just downstream of the main headgate. These improvements would enhance the overall function of this ditch. See Dyer Ditch for a description of the emergency overflow channel near this structure.

Comments: This ditch includes priorities 126 and 127. There is a depressed area along the river bank just downstream of the culvert that will allow river flows of greater than 5000 cfs to overtop the bank and flow along the high flow channel. The high flow channel flows back to the river downstream of the Rio Grande Canal headgate. This is an emergency overflow measure to prevent the Rio Grande Canal headgate from being washed out.

Notes:

Estimated Range of Cost: Medium

Headgate looking downstream



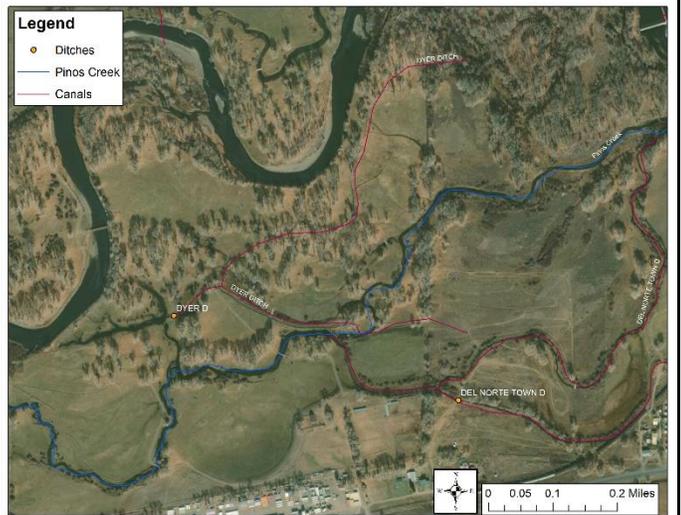
Headgate outlet



Point of diversion, headgate on Rio Grande



Aerial view of ditch and Pinos Creek



Old headgate



Flume looking upstream

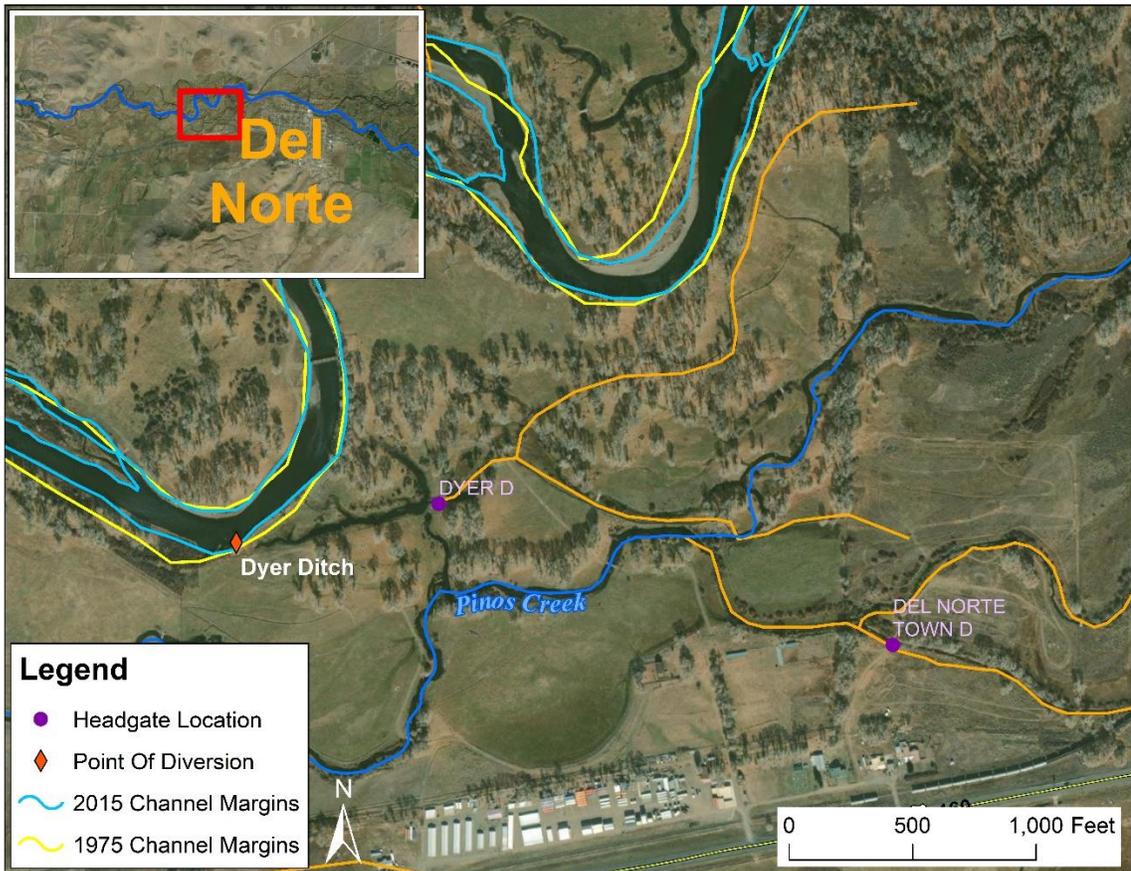


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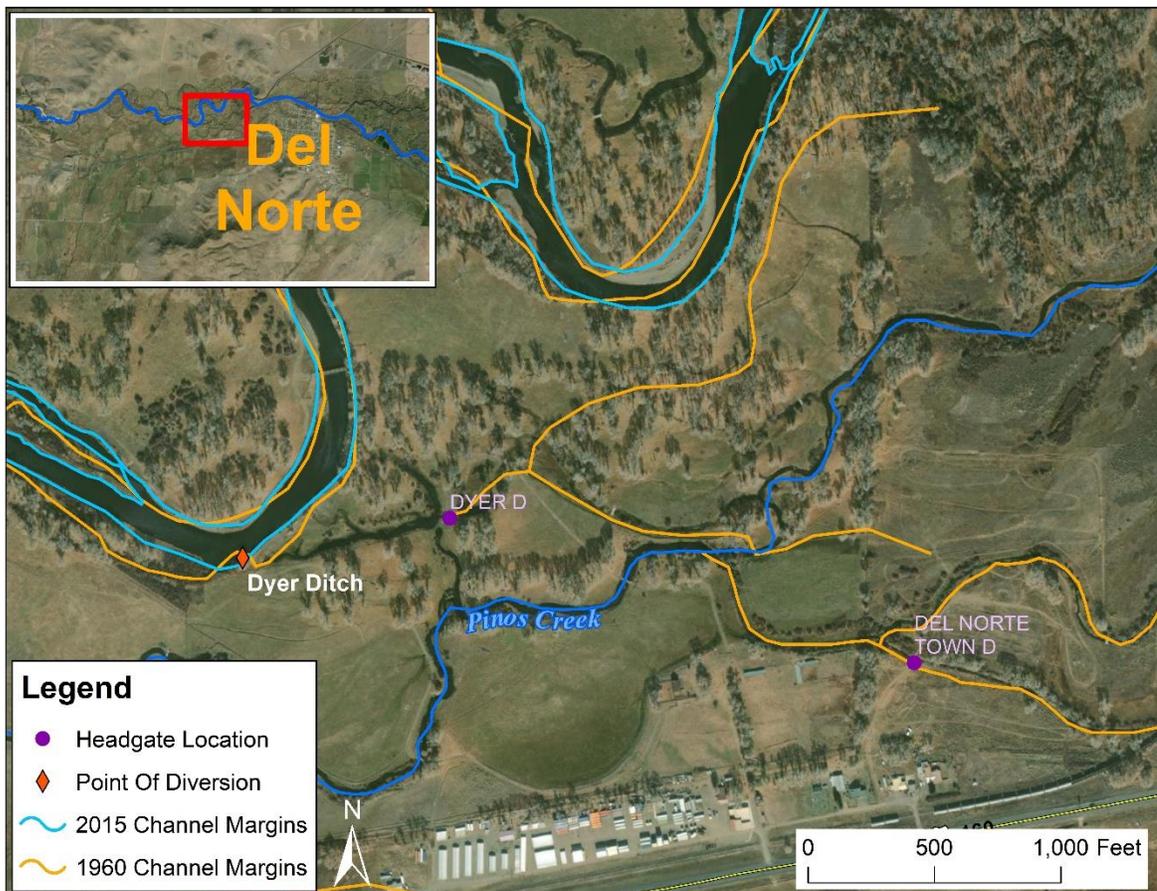
DEL NORTE TOWN DITCH

PHOTO LOG

Rio Grande Stream
Management Plan



Map of Del Norte Town Ditch relative to Dyer Ditch and Pinos Creek. 1975 and 2015 channel margins are also shown.



Headgate location with channel margins from 1960 and 2015 overlaid.