

RIO GRANDE DIVERSION INFRASTRUCTURE INVENTORY

Structure Name: CHICAGO D

Reported By: Daniel Boyes

Date: April 11, 2019

Headgate	Latitude	Longitude
Location:	37.460868	-106.840266

Headgate Type: Automated 10' wide radial gate

Headgate Condition:	A <input checked="" 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 checked="" type="checkbox"/>		No <input type="checkbox"/>
	C <input type="checkbox"/>		C <input type="checkbox"/>	48.54 mi	
	D <input type="checkbox"/>		D <input type="checkbox"/>		
	F <input type="checkbox"/>		F <input type="checkbox"/>		

Repair(s) or Improvement(s) Completed Since 2006: New 10' wide radial headgate installed.

Structure Description: This structure is located approximately 1.3 miles downstream of the Westside Ditch. Historic channel avulsion is evident both upstream and downstream of the diversion. The concrete diversion dam creates head pressure for the headgate, located approximately 230 ft upstream. Woody debris accumulates in front of the headgate, but it is not a significant issue for water users. There is a radial adjustment/overflow gate on the east side of the diversion dam. The diversion functions well for water rights holders, but forms a barrier to boating and fish passage, especially at low flows. At two locations downstream of the headgate (approximately 3.4 miles and 4 miles, respectively), the ditch is very close to the Rio Grande, in part due to channel migration. If channel migration continues, the ditch could be washed out in these locations (see map below).

Repair(s) or Improvement(s) Currently Needed: Based on the issues identified, the Technical Advisory Team (TAT) recommends bank stabilization or relocating the path of the ditch to avoid potential ditch failure. The TAT also recommends stabilization, floodplain reconnection, and riparian revegetation downstream of the diversion to reduce erosion. Colorado Parks and Wildlife (CPW) recommends fish passage in this reach and the TAT also recommends creating safe boat passage at the diversion. If implemented, these recommendations would improve ditch function, enhance river health, and provide new recreational opportunities.

Comments: This ditch includes priorities 174, 196, and 1934-14. The weir measures accurately.

Notes:

Estimated Range of Cost: Medium

Headgate (from diversion dam)



Headgate outlet



Adjustment gate on diversion dam



Diversion dam



Diversion dam looking upstream (high flow)



Flume looking upstream

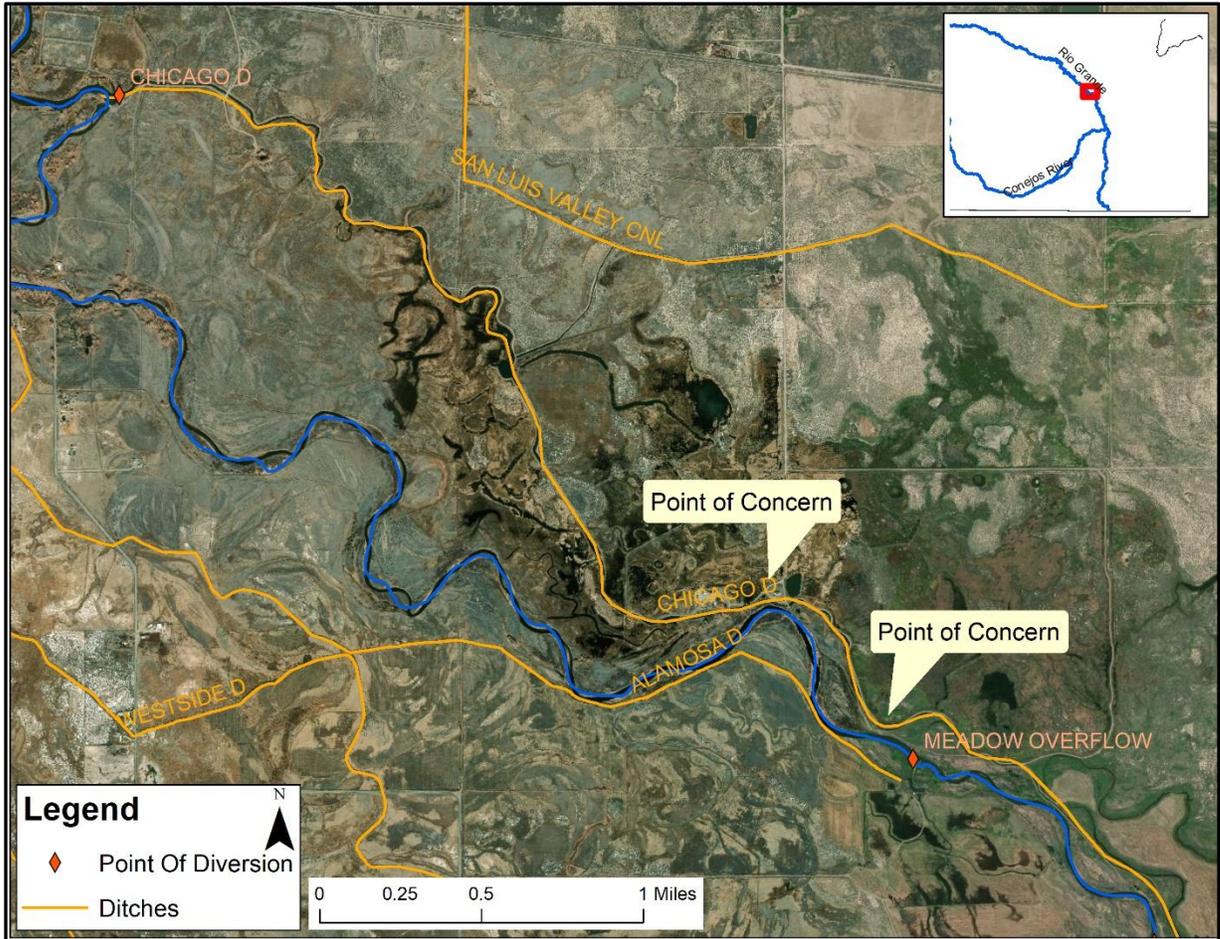


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CHICAGO DITCH

PHOTO LOG

Rio Grande Stream Management Plan



Points of concern on Chicago Ditch where ditch is very close to river channel.



Close-up of points of concern