

Richland-Chambers Reservoir

Segment: 0836 Trinity River Basin

Basin number: 8
Basin group: B
Water body description: From Richland-Chambers Dam in Freestone County to the confluence of Pin Oak Creek on the Richland Creek Arm in Navarro County and to a point 4.0 km (2.5 miles) downstream of Tupelo Branch on the Chambers Creek Arm in Navarro County, up to normal pool elevation of 315 feet (impounds Richland and Chambers Creeks)
Water body classification: Classified
Water body type: Reservoir
Water body length / area: 44,752 Acres
Water body uses: Aquatic Life Use, Contact Recreation Use, General Use, Fish Consumption Use, Public Water Supply Use

Standards Not Met in 2002				
Assessment Area	Use	Support Status	Parameter	Category
Lower portion of Chambers Creek arm	General Use	Partially Supporting	high pH	5c

Standards Not Met and Concerns in Previous Years				
Assessment Area	Use	Support Status or Concern	Parameter	Category
Confluence of Richland and Chambers Creek arms	Public Water Supply Use	Threatened	atrazine in finished drinking water	4b
Lower portion of Chambers Creek arm	Public Water Supply Use	Threatened	atrazine in finished drinking water	4b
Lower portion of Richland Creek arm	Public Water Supply Use	Threatened	atrazine in finished drinking water	4b
Lowermost portion of reservoir, adjacent to dam	Public Water Supply Use	Threatened	atrazine in finished drinking water	4b
Remainder of reservoir	Public Water Supply Use	Threatened	atrazine in finished drinking water	4b
Upper portion of Chambers Creek arm	Public Water Supply Use	Threatened	atrazine in finished drinking water	4b
Upper portion of Richland Creek arm	Public Water Supply Use	Threatened	atrazine in finished drinking water	4b

Parameters Removed from the 2000 303(d) List: atrazine in finished drinking water

Additional Information: The aquatic life, contact recreation, and fish consumption uses are fully supported.

(based on data from 03/01/1996 to 02/28/2001)

This segment was identified as a threatened water body on the 2000 303(d) List due to atrazine in finished drinking water. Because an insufficient number of atrazine samples in surface water were available in 2002 to demonstrate that the standard is no longer threatened, this segment will be identified as threatened for atrazine until sufficient data in surface water are available.

2002 Concerns:			
Assessment Area	Use or Concern	Concern Status	Description of Concern
Confluence of Richland and Chambers Creek arms	Public Water Supply Use	Threatened	atrazine in finished drinking water
Confluence of Richland and Chambers Creek arms	Nutrient Enrichment Concern	Concern	nitrate+nitrite nitrogen
Lower portion of Chambers Creek arm	Public Water Supply Use	Threatened	atrazine in finished drinking water
Lower portion of Richland Creek arm	Public Water Supply Use	Threatened	atrazine in finished drinking water
Lower portion of Richland Creek arm	Algal Growth Concern	Concern	excessive algal growth
Lowermost portion of reservoir, adjacent to dam	Public Water Supply Use	Threatened	atrazine in finished drinking water
Lowermost portion of reservoir, adjacent to dam	Nutrient Enrichment Concern	Concern	nitrate+nitrite nitrogen
Remainder of reservoir	Public Water Supply Use	Threatened	atrazine in finished drinking water
Upper portion of Chambers Creek arm	Public Water Supply Use	Threatened	atrazine in finished drinking water
Upper portion of Richland Creek arm	Public Water Supply Use	Threatened	atrazine in finished drinking water

Monitoring sites used:		
Assessment Area	Station ID	Station Description
Confluence of Richland and Chambers Creek arms	15169	RICHLAND-CHAMBERS RESERVOIR AT CONFLUENCE OF RICHLAND CREEK AND CHAMBERS CREEK
Lower portion of Chambers Creek arm	15170	RICHLAND-CHAMBERS RESERVOIR, MIDDLE SECTION OF CHAMBERS CREEK ARM NEAR TCWCID #1 PUMP STATION
Lower portion of Richland Creek arm	11068	RICHLAND-CHAMBERS RESERVOIR, RICHLAND CREEK ARM MID-LAKE NEAR CRAB CREEK BRANCH
Lowermost portion of reservoir, adjacent to dam	15168	RICHLAND-CHAMBERS RESERVOIR, NORTH END OF DAM
Upper portion of Chambers Creek arm	15199	RICHLAND-CHAMBERS RESERVOIR UPPER END OF CHAMBERS CREEK ARM
Upper portion of Richland Creek arm	15172	RICHLAND-CHAMBERS RESERVOIR IN UPPER END OF RICHLAND CREEK ARM