

Neches River Above Lake Palestine

Segment: 0606 Neches River Basin

Basin number: 6
Basin group: A
Water body description: From a point 6.7 km (4.2 miles) downstream of FM 279 in Henderson/Smith County to Rhines Lake Dam in Van Zandt County
Water body classification: Classified
Water body type: Freshwater Stream
Water body length / area: 27 Miles
Water body uses: Aquatic Life Use, Contact Recreation Use, General Use, Fish Consumption Use, Public Water Supply Use

Standards Not Met in 2004				
Assessment Area	Use	Support Status	Parameter	Category
Prairie Creek to river mile 7.0	Aquatic Life Use	Not Supporting	depressed dissolved oxygen	5c
Prairie Creek to river mile 7.0	Aquatic Life Use	Partially Supporting	zinc (acute) in water	5c
River mile 7.0 to headwaters	General Use	Partially Supporting	low pH	5c

Parameters Removed from the 2002 303(d) List: zinc (chronic) in water, low pH

Additional Information: The contact recreation, public water supply, and fish consumption uses are fully supported.

2004 Concerns:			
Assessment Area	Use or Concern	Concern Status	Description of Concern
Lower boundary to Prairie Creek	Nutrient Enrichment Concern	Concern	nitrate+nitrite nitrogen
Prairie Creek to river mile 7.0	Aquatic Life Use	Use Concern	depressed dissolved oxygen
Prairie Creek to river mile 7.0	Aquatic Life Use	Use Concern-Limited Data	impaired macrobenthos community
Prairie Creek to river mile 7.0	General Use	Use Concern	low pH

Monitoring sites used:		
Assessment Area	Station ID	Station Description
Lower boundary to Prairie Creek	10596	NECHES RIVER AT FM 279 WEST OF TYLER AND NE OF CHANDLER
Prairie Creek to river mile 7.0	10597	NECHES RIVER AT SH 64 WEST OF TYLER
River mile 7.0 to headwaters	10598	NECHES RIVER AT COUNTY ROAD AT RIVER KM 53.4

Published studies: Publication	Date	Author
IS 2 Neches River	Aug. 1977	Woodard, J. (Region 5)
IS 47 Neches River	March-Jul 1982	Ottmers, D.