

Pine Island Bayou

Segment: 0607 Neches River Basin

Basin number: 6
Basin group: A
Water body description: From the confluence with the Neches River in Hardin/Jefferson County to FM 787 in Hardin County
Water body classification: Classified
Water body type: Freshwater Stream
Water body length / area: 81 Miles
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
River Mile 21.5 to mile 46.5	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5b

Standards Not Met and Concerns in Previous Years Assessment Area	Use	Support Status or Concern	Parameter	Category
Mouth to river mile 5.7	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5b
River Mile 12.1 to mile 21.5	Aquatic Life Use	Not Supporting	depressed dissolved oxygen	5b
River Mile 46.5 to headwaters	Aquatic Life Use	Not Supporting	depressed dissolved oxygen	5b
River Mile 5.7 to mile 12.1	Aquatic Life Use	Not Supporting	depressed dissolved oxygen	5b

Parameters Removed from the 2000 303(d) List: bacteria, pH

Additional Information: The contact recreation, public water supply and general uses are fully supported. The fish consumption use was not assessed.

This segment was identified on the 2000 303(d) List as not supporting the aquatic life use due to depressed dissolved oxygen. Because an insufficient number of 24-hour dissolved oxygen values were available in 2002 to determine if the criterion is supported, this segment will be identified as not meeting the standard for dissolved oxygen until sufficient 24-hour measurements are available to demonstrate support of the criterion.

2002 Concerns: Assessment Area	Use or Concern	Concern Status	Description of Concern
River Mile 12.1 to mile 21.5	Aquatic Life Use	Use Concern-Limited Data	cadmium (chronic) in water

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

2002 Concerns:			
Assessment Area	Use or Concern	Concern Status	Description of Concern
River Mile 12.1 to mile 21.5	Aquatic Life Use	Use Concern	depressed dissolved oxygen
River Mile 12.1 to mile 21.5	Aquatic Life Use	Use Concern-Limited Data	zinc (acute) in water
River Mile 21.5 to mile 46.5	Aquatic Life Use	Use Concern-Limited Data	cadmium (chronic) in water
River Mile 21.5 to mile 46.5	Aquatic Life Use	Use Concern	depressed dissolved oxygen
River Mile 21.5 to mile 46.5	General Use	Use Concern	low pH
River Mile 5.7 to mile 12.1	Aquatic Life Use	Use Concern	depressed dissolved oxygen

Monitoring sites used:		
Assessment Area	Station ID	Station Description
Mouth to river mile 5.7	10599	PINE ISLAND BAYOU AT LNVA LOWER PUMP STATION 6.6 KM UPSTREAM OF NECHES RIVER CONFLUENCE
River Mile 12.1 to mile 21.5	10607	PINE ISLAND BAYOU AT OLD SOUR LAKE ROAD 5.1 SE OF SOUR LAKE
River Mile 21.5 to mile 46.5	15367	PINE ISLAND BAYOU AT FM 770/SH105 NEAR BATSON
River Mile 5.7 to mile 12.1	10602	PINE ISLAND BAYOU AT US 69 /US 96/US 287 AT VOTH

Published studies:		
Publication	Date	Author
IMS 75 Pine Island Bayou	Oct. 1975	Adsit/Hagen (Region 10)