

James' Bayou

Segment: 0407 Cypress Creek Basin

Basin number: 4
Basin group: A
Water body description: From the Louisiana State Line in Marion County to Club Lake Road northwest of Linden in Cass County
Water body classification: Classified
Water body type: Freshwater Stream
Water body length / area: 40 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
Upper 25 miles of segment	Aquatic Life Use	Partially Supporting	copper (acute) in water	5c

Standards Not Met and Concerns in Previous Years Assessment Area	Use	Support Status or Concern	Parameter	Category
Lower 15 miles of segment	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c
Upper 25 miles of segment	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c

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

This segment was identified on the 2000 303(d) List as partially 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. There were insufficient 24-hour data for 2004.

2004 Concerns: Assessment Area	Use or Concern	Concern Status	Description of Concern
Lower 15 miles of segment	Aquatic Life Use	Use Concern	depressed dissolved oxygen
Upper 25 miles of segment	Aquatic Life Use	Use Concern	depressed dissolved oxygen
Upper 25 miles of segment	Nutrient Enrichment Concern	Concern	ammonia

(-based on data from 03/01/1998 to 02/28/2003)

Monitoring sites used:		
Assessment Area	Station ID	Station Description
Lower 15 miles of segment	10319	JAMES (JIMS) BAYOU BRIDGE ON MARION CR 3312, NE OF SMITHLAND
Upper 25 miles of segment	10321	JAMES BAYOU AT FM1775, 1.6 MI. SW OF KILDARE

Published studies:		
Publication	Date	Author
IMS 49 James Bayou	Sept. 1976	Twidwell, S.
IS 46 James Bayou	Sept. 1981	Petrick, D.