

Buffalo Bayou Tidal

Segment: 1013 San Jacinto River Basin

Basin number: 10
Basin group: C
Water body description: From a point 100 meters (110 yards) upstream of US 59 in Harris County to a point 400 meters (440 yards) upstream of Shepard Drive in Harris County
Water body classification: Classified
Water body type: Tidal Stream
Water body length / area: 4 Miles
Water body uses: Aquatic Life Use, Contact Recreation Use, General Use, Fish Consumption Use

Standards Not Met in 2002				
Assessment Area	Use	Support Status	Parameter	Category
Entire segment	Contact Recreation Use	Not Supporting	bacteria	5a

Standards Not Met and Concerns in Previous Years				
Assessment Area	Use	Support Status or Concern	Parameter	Category
Entire segment	Aquatic Life Use	Not Supporting	copper (chronic) in water	5c

Additional Information: The fish consumption and general uses are fully supported.

This segment was identified on the 2000 303(d) List as not supporting the aquatic life use due to copper in water. Because there were insufficient data available in 2002 to evaluate changes in water quality, this segment will be identified as not meeting the standard for copper in water until sufficient data are available to demonstrate use support.

2002 Concerns:			
Assessment Area	Use or Concern	Concern Status	Description of Concern
Entire segment	Nutrient Enrichment Concern	Concern	nitrate+nitrite nitrogen
Entire segment	Nutrient Enrichment Concern	Concern	orthophosphorus
Entire segment	Nutrient Enrichment Concern	Concern	total phosphorus

Monitoring sites used:		
Assessment Area	Station ID	Station Description
Entire segment	11345	BUFFALO BAYOU TIDAL AT MCKEE ST. IN HOUSTON
Entire segment	11347	BUFFALO BAYOU TIDAL AT MAIN STREET IN HOUSTON
Entire segment	11351	BUFFALO BAYOU TIDAL AT SHEPHERD DRIVE IN HOUSTON

Monitoring sites used:		
Assessment Area	Station ID	Station Description
Entire segment	15825	WHITEOAK BAYOU AT CROCKET AVE (HOGAN), IMMEDIATELY EAST OF IH45 (IH10) IN HOUSTON
Entire segment	15843	BUFFALO BAYOU TIDAL AT SABINE AVE, NORTH OF ALLEN PKWY IN HOUSTON
Entire segment	16647	WHITE OAK BAYOU NEAR THE UNIVERSITY OF HOUSTON AT SOUTHERN PACIFIC RR CROSSING APPROX 300 M DOWNSTREAM OF IH 10 IN HOUSTON

Published studies:		
Publication	Date	Author
AS-26/SR Buffalo Bayou Tidal	May 1986	Luedke, M (Region 12)
IS 87-05 Buffalo Bayou Tidal	July 1985	Kirkpatrick, J.
IS 87-06 Houston Ship Channel	July 1984	Kirkpatrick, J.
IS 87-06 Buffalo Bayou Tidal	July 1984	Kirkpatrick, J.
IS 87-09 Houston Ship Channel	Feb. 1985	Kirkpatrick, J.
IS 87-09 Buffalo Bayou Tidal	Feb. 1985	Kirkpatrick, J.

Historical fish kills:			
Date	Location	Fish Killed	Suspected Cause
7/24/2000	Brays Bayou and Calhoun Blvd. To Brays Bayou and Navigation Road	64954	Low Dissolved Oxygen