

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 2004 | | | | |
|----------------------------------|------------------------|----------------|-----------|----------|
| Assessment Area | Use | Support Status | Parameter | Category |
| Entire segment | Contact Recreation Use | Not Supporting | bacteria | 5a |

Parameters Removed from the 2002 303(d) List: copper (chronic) in water

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

| 2004 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 |
| 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 |

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

| 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 |