

Cow Bayou Tidal

Segment: 0511 Sabine River Basin

Basin number: 5
Basin group: A
Water body description: From the confluence with the Sabine River in Orange County to a point 4.8 km (3.0 miles) upstream of IH 10 in Orange County
Water body classification: Classified
Water body type: Tidal Stream
Water body length / area: 20 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
5 mile reach near FM 1442 (north crossing)	Aquatic Life Use	Not Supporting	depressed dissolved oxygen	5b
6 mile reach near FM 105	Aquatic Life Use	Not Supporting	depressed dissolved oxygen	5b
Lower 5 miles	Contact Recreation Use	Not Supporting	bacteria	5c
Upper 4 miles	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5b
Upper 4 miles	Contact Recreation Use	Not Supporting	bacteria	5c
Upper 4 miles	General Use	Partially Supporting	low pH	5b

Standards Not Met and Concerns in Previous Years Assessment Area	Use	Support Status or Concern	Parameter	Category
Lower 5 miles	Aquatic Life Use	Not Supporting	depressed dissolved oxygen	5b

Additional Information: 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 in the lower 5 miles. Because an insufficient number of 24-hour dissolved oxygen values were available in 2002 to determine if the criterion is supported, this portion of the 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
5 mile reach near FM 1442 (north crossing)	Aquatic Life Use	Use Concern	depressed dissolved oxygen

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

2002 Concerns:			
Assessment Area	Use or Concern	Concern Status	Description of Concern
5 mile reach near FM 1442 (north crossing)	General Use	Use Concern	low pH
6 mile reach near FM 105	Aquatic Life Use	Use Concern	depressed dissolved oxygen
Lower 5 miles	Aquatic Life Use	Use Concern	depressed dissolved oxygen
Upper 4 miles	Aquatic Life Use	Use Concern	depressed dissolved oxygen
Upper 4 miles	Contact Recreation Use	Use Concern	bacteria

Monitoring sites used:		
Assessment Area	Station ID	Station Description
5 mile reach near FM 1442 (north crossing)	13781	COW BAYOU AT FM1442 (NORTH CROSSING) BETWEEN FM105 AND IH10, SUBWATERSHED 1.02 (CB4)
6 mile reach near FM 105	10453	COW BAYOU AT FM 105 WEST OF ORANGE, TX SUBWATERSHED 1.02 (CB3)
Lower 5 miles	10449	COW BAYOU AT FM1442 (DOWNSTREAM CROSSING, ROUND BUNCH RD) EAST OF BRIDGE CITY, TX , SW 1.02 (CB1)
Upper 4 miles	10457	COW BAYOU AT IH10 WEST OF ORANGE, TX, SUBWATERSHED 1.02 (CB5)

Published studies:		
Publication	Date	Author
IS 77 Cow Bayou	Aug. 1985	Kirkpatrick, J.
IS 88-02 Cow Bayou	Sept. 1986	Kirkpatrick, J.