

## 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

<b>Standards Not Met in 2004</b>				
Assessment Area	Use	Support Status	Parameter	Category
5 mile reach near FM 1442 (north crossing)	Aquatic Life Use	Not Supporting	depressed dissolved oxygen	5a
6 mile reach near FM 105	Aquatic Life Use	Not Supporting	depressed dissolved oxygen	5a
Lower 5 miles	Contact Recreation Use	Not Supporting	bacteria	5a
Upper 4 miles	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5a
Upper 4 miles	Contact Recreation Use	Not Supporting	bacteria	5a
Upper 4 miles	General Use	Partially Supporting	low pH	5a

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

**Additional Information:** The fish consumption use was not assessed.

<b>2004 Concerns:</b>			
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
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

<b>Monitoring sites used:</b>		
<b>Assessment Area</b>	<b>Station ID</b>	<b>Station Description</b>
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)

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