

Dickinson Bayou Tidal

Segment: 1103 San Jacinto-Brazos Coastal Basin

Basin number: 11
Basin group: C
Water body description: From the confluence with Dickinson Bay 2.1 km (1.3 miles) downstream of SH 146 in Galveston County to a point 4.0 km (2.5 miles) downstream of FM 517 in Galveston County
Water body classification: Classified
Water body type: Tidal Stream
Water body length / area: 15 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
Arcadia Cemetery Road to IH 45	Aquatic Life Use	Not Supporting	depressed dissolved oxygen	5c
Arcadia Cemetery Road to IH 45	Contact Recreation Use	Not Supporting	bacteria	5c
Benson Bayou confluence to SH 3	Aquatic Life Use	Not Supporting	depressed dissolved oxygen	5a
Benson Bayou confluence to SH 3	Contact Recreation Use	Not Supporting	bacteria	5c
IH 45 to Benson Bayou confluence	Aquatic Life Use	Not Supporting	depressed dissolved oxygen	5c
IH 45 to Benson Bayou confluence	Contact Recreation Use	Not Supporting	bacteria	5c
Upper segment boundary to Arcadia Cemetery Road	Aquatic Life Use	Not Supporting	depressed dissolved oxygen	5c
Upper segment boundary to Arcadia Cemetery Road	Contact Recreation Use	Not Supporting	bacteria	5c

Additional Information: The general use is fully supported. The fish consumption use was not assessed.

2002 Concerns:			
Assessment Area	Use or Concern	Concern Status	Description of Concern
Arcadia Cemetery Road to IH 45	Aquatic Life Use	Use Concern	depressed dissolved oxygen
Arcadia Cemetery Road to IH 45	Contact Recreation Use	Use Concern	bacteria
Benson Bayou confluence to SH 3	Aquatic Life Use	Use Concern	depressed dissolved oxygen
Benson Bayou confluence to SH 3	Contact Recreation Use	Use Concern	bacteria
IH 45 to Benson Bayou confluence	Aquatic Life Use	Use Concern	depressed dissolved oxygen
Mariners Mooring Road to upstream of Gum Bayou	Contact Recreation Use	Use Concern	bacteria
SH 3 to Mariners Mooring Road	Aquatic Life Use	Use Concern-Limited Data	depressed dissolved oxygen
SH 3 to Mariners Mooring Road	Contact Recreation Use	Use Concern	bacteria

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

2002 Concerns:			
Assessment Area	Use or Concern	Concern Status	Description of Concern
Upper segment boundary to Arcadia Cemetery Road	Aquatic Life Use	Use Concern	depressed dissolved oxygen

Monitoring sites used:		
Assessment Area	Station ID	Station Description
Arcadia Cemetery Road to IH 45	11462	DICKINSON BAYOU TIDAL AT IH 45
Benson Bayou confluence to SH 3	11460	DICKINSON BAYOU TIDAL AT SH 3 BRIDGE IN DICKINSON
IH 45 to Benson Bayou confluence	11461	DICKINSON BAYOU TIDAL AT BENSON BAYOU CONFLUENCE
Mariners Mooring Road to upstream of Gum Bayou	16979	DICKINSON BAYOU 1.1KM UPSTREAM OF GUM BAYOU
SH 3 to Mariners Mooring Road	16679	DICKINSON BAYOU TIDAL AT 4529 MARINERS MOORING RD IN DICKINSON
Upper segment boundary to Arcadia Cemetery Road	11464	DICKINSON BAYOU TIDAL AT ARCADIA-CEMETERY ROAD NORTH OF ARCADIA
Upstream Gum Bayou to lower segment boundary (below SH 146)	11455	DICKINSON BAYOU TIDAL AT SH 146 BRIDGE EAST OF DICKINSON

Published studies:		
Publication	Date	Author
IMS 71 Dickinson Bayou	Sept. 1976	Kirkpatrick, J.
IS 34 Dickinson Bayou	May 1980	Ottmers, D.
IS 86-03 Dickinson Bayou	Sept. 1984	Kirkpatrick, J.

Historical fish kills:			
Date	Location	Fish Killed	Suspected Cause
6/20/1996	Dickinson Bayou, between HWY 3 and IH 45	1000	Low Dissolved Oxygen
6/20/1996	Dickinson Bayou, between HWY 3 and IH 45	500000	Low Dissolved Oxygen
8/8/1996	Tributary to Dickinson Bayou, just south of Dickinson, Texas	12	Low Dissolved Oxygen
7/30/1997	Dickinson Bayou - One mile west of I-45 and 517	500	Low Dissolved Oxygen
9/10/1997	Dickinson Bayou and IH 45	100050	Low Dissolved Oxygen