

Segment ID: 0704 **Water body name: Hillebrandt Bayou**

Freshwater Stream Neches-Trinity Coastal Basin Total size: 14 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
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Aquatic Life Use

2002	Dissolved Oxygen grab average	Use Concern	From confluence with Bayou Din to upper end of segment	8	35	4	
2002	Dissolved Oxygen grab average	Use Concern	From confluence with Taylor Bayou to confluence with Bayou Din	6	14	4	
2002	Dissolved Oxygen grab minimum	Fully Supporting	From confluence with Bayou Din to upper end of segment	8	35	2	
2002	Dissolved Oxygen grab minimum	Fully Supporting	From confluence with Taylor Bayou to confluence with Bayou Din	6	14	0	
2002	Dissolved Oxygen 24hr average	No Concern-Limited Data	From confluence with Bayou Din to upper end of segment	8	4	0	
2002	Dissolved Oxygen 24hr average	Use Concern-Limited Data	From confluence with Taylor Bayou to confluence with Bayou Din	6	4	1	
2002	Dissolved Oxygen 24hr minimum	No Concern-Limited Data	From confluence with Bayou Din to upper end of segment	8	4	0	
2002	Dissolved Oxygen 24hr minimum	Use Concern-Limited Data	From confluence with Taylor Bayou to confluence with Bayou Din	6	4	2	
2002	Acute Metals in water Metals	No Concern-Limited Data	From confluence with Bayou Din to upper end of segment	8	4	0	
2002	Chronic Metals in water Metals	No Concern-Limited Data	From confluence with Bayou Din to upper end of segment	8	4		
2002	Overall Aquatic Life Use	Fully Supporting	From confluence with Bayou Din to upper end of segment	8			
2002	Overall Aquatic Life Use	Fully Supporting	From confluence with Taylor Bayou to confluence with Bayou Din	6			

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Contact Recreation Use

2002	E. coli single sample	Not Assessed	From confluence with Bayou Din to upper end of segment	8	0		
2002	E. coli single sample	Not Assessed	From confluence with Taylor Bayou to confluence with Bayou Din	6	0		
2002	E. coli geometric mean	Not Assessed	From confluence with Bayou Din to upper end of segment	8	0		
2002	E. coli geometric mean	Not Assessed	From confluence with Taylor Bayou to confluence with Bayou Din	6	0		
2002	Fecal coliform single sample	Fully Supporting	From confluence with Bayou Din to upper end of segment	8	25	3	
2002	Fecal coliform single sample	Fully Supporting	From confluence with Taylor Bayou to confluence with Bayou Din	6	13	2	
2002	Fecal coliform geometric mean	Fully Supporting	From confluence with Bayou Din to upper end of segment	8	25		19
2002	Fecal coliform geometric mean	Fully Supporting	From confluence with Taylor Bayou to confluence with Bayou Din	6	13		41
2002	Overall Recreation Use	Fully Supporting	From confluence with Bayou Din to upper end of segment	8			
2002	Overall Recreation Use	Fully Supporting	From confluence with Taylor Bayou to confluence with Bayou Din	6			

General Use

2002	Water Temperature	Fully Supporting	From confluence with Bayou Din to upper end of segment	8	25	0	
2002	Water Temperature	Fully Supporting	From confluence with Taylor Bayou to confluence with Bayou Din	6	14	0	
2002	pH	Fully Supporting	From confluence with Bayou Din to upper end of segment	8	25	0	

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General Use (continued)

2002	pH	Fully Supporting	From confluence with Taylor Bayou to confluence with Bayou Din	6	14	0	
2002	Chloride	Fully Supporting	From confluence with Bayou Din to upper end of segment	8	40		178.5
2002	Chloride	Fully Supporting	From confluence with Taylor Bayou to confluence with Bayou Din	6	40		178.5
2002	Sulfate	Fully Supporting	From confluence with Bayou Din to upper end of segment	8	15		52.3
2002	Sulfate	Fully Supporting	From confluence with Taylor Bayou to confluence with Bayou Din	6	15		52.3
2002	Total Dissolved Solids	Fully Supporting	From confluence with Bayou Din to upper end of segment	8	40		532.32
2002	Total Dissolved Solids	Fully Supporting	From confluence with Taylor Bayou to confluence with Bayou Din	6	40		532.32
2002	Overall General Use	Fully Supporting	From confluence with Bayou Din to upper end of segment	8			
2002	Overall General Use	Fully Supporting	From confluence with Taylor Bayou to confluence with Bayou Din	6			

Fish Consumption Use

2002	Human Health Criteria Metals	No Concern-Limited Data	From confluence with Bayou Din to upper end of segment	8	4		
2002	Overall Fish Consumption Use	Not Assessed	From confluence with Bayou Din to upper end of segment	8			
2002	Overall Fish Consumption Use	Not Assessed	From confluence with Taylor Bayou to confluence with Bayou Din	6			

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Overall Use Support

2002		Fully Supporting	From confluence with Bayou Din to upper end of segment	8			
2002		Fully Supporting	From confluence with Taylor Bayou to confluence with Bayou Din	6			

Nutrient Enrichment Concern

2002	Ammonia Nitrogen	Concern	From confluence with Bayou Din to upper end of segment	8	25	13	
2002	Ammonia Nitrogen	Concern	From confluence with Taylor Bayou to confluence with Bayou Din	6	14	7	
2002	Nitrite + Nitrate Nitrogen	No Concern	From confluence with Bayou Din to upper end of segment	8	25	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	From confluence with Taylor Bayou to confluence with Bayou Din	6	14	0	
2002	Orthophosphorus	Not Assessed	From confluence with Bayou Din to upper end of segment	8	7	0	
2002	Orthophosphorus	No Concern	From confluence with Taylor Bayou to confluence with Bayou Din	6	14	0	
2002	Total Phosphorus	Not Assessed	From confluence with Bayou Din to upper end of segment	8	7	0	
2002	Total Phosphorus	No Concern	From confluence with Taylor Bayou to confluence with Bayou Din	6	14	0	
2002	Overall Nutrient Enrichment Concerns	Concern	From confluence with Bayou Din to upper end of segment	8			
2002	Overall Nutrient Enrichment Concerns	Concern	From confluence with Taylor Bayou to confluence with Bayou Din	6			

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Algal Growth Concern

2002	Chlorophyll a	Not Assessed	From confluence with Bayou Din to upper end of segment	8	0		
2002	Chlorophyll a	Concern	From confluence with Taylor Bayou to confluence with Bayou Din	6	14	6	

Sediment Contaminants Concern

2002	85% Metals in sediment Arsenic	Not Assessed	From confluence with Bayou Din to upper end of segment	8	4	3	
2002	85% Metals in sediment Arsenic	Not Assessed	From confluence with Taylor Bayou to confluence with Bayou Din	6	4	3	
2002	Metals in sediment Metals	Not Assessed	From confluence with Bayou Din to upper end of segment	8	4	0	
2002	Metals in sediment Metals	Not Assessed	From confluence with Taylor Bayou to confluence with Bayou Din	6	4	0	
2002	Overall Sediment Contaminant Concerns	Not Assessed	From confluence with Bayou Din to upper end of segment	8			
2002	Overall Sediment Contaminant Concerns	Not Assessed	From confluence with Taylor Bayou to confluence with Bayou Din	6			

Fish Tissue Contaminants Concern

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	From confluence with Bayou Din to upper end of segment	8			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	From confluence with Taylor Bayou to confluence with Bayou Din	6			

Narrative Criteria Concern

2002	Overall Narrative Criteria Concerns	No Concern	From confluence with Bayou Din to upper end of segment	8			
2002	Overall Narrative Criteria Concerns	No Concern	From confluence with Taylor Bayou to confluence with Bayou Din	6			

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Overall Secondary Concern

2002		Concern	From confluence with Bayou Din to upper end of segment	8			
2002		Concern	From confluence with Taylor Bayou to confluence with Bayou Din	6			