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

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

Aquatic Life Use

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Dissolved Oxygen grab average	Use Concern	From confluence with Bayou Din to upper end of segment	8	35	4	
Dissolved Oxygen grab average	Use Concern	From confluence with Taylor Bayou to confluence with Bayou Din	6	14	4	
Dissolved Oxygen grab minimum	Fully Supporting	From confluence with Bayou Din to upper end of segment	8	35	2	
Dissolved Oxygen grab minimum	Fully Supporting	From confluence with Taylor Bayou to confluence with Bayou Din	6	14	0	
Dissolved Oxygen 24hr average	No Concern-Limited Data	From confluence with Bayou Din to upper end of segment	8	4	0	
Dissolved Oxygen 24hr average	Use Concern-Limited Data	From confluence with Taylor Bayou to confluence with Bayou Din	6	4	1	
Dissolved Oxygen 24hr minimum	No Concern-Limited Data	From confluence with Bayou Din to upper end of segment	8	4	0	
Dissolved Oxygen 24hr minimum	Use Concern-Limited Data	From confluence with Taylor Bayou to confluence with Bayou Din	6	4	2	
Acute Metals in water Metals	No Concern-Limited Data	From confluence with Bayou Din to upper end of segment	8	4	0	
Chronic Metals in water Metals	No Concern-Limited Data	From confluence with Bayou Din to upper end of segment	8	4		
Overall Aquatic Life Use	Fully Supporting	From confluence with Bayou Din to upper end of segment	8			
Overall Aquatic Life Use	Fully Supporting	From confluence with Taylor Bayou to confluence with Bayou Din	6			

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

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

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Contact Recreation Use						
E. coli single sample	Not Assessed	From confluence with Bayou Din to upper end of segment	8	0		
E. coli single sample	Not Assessed	From confluence with Taylor Bayou to confluence with Bayou Din	6	0		
E. coli geometric mean	Not Assessed	From confluence with Bayou Din to upper end of segment	8	0		
E. coli geometric mean	Not Assessed	From confluence with Taylor Bayou to confluence with Bayou Din	6	0		
Fecal coliform single sample	Fully Supporting	From confluence with Bayou Din to upper end of segment	8	25	3	
Fecal coliform single sample	Fully Supporting	From confluence with Taylor Bayou to confluence with Bayou Din	6	13	2	
Fecal coliform geometric mean	Fully Supporting	From confluence with Bayou Din to upper end of segment	8	25		19
Fecal coliform geometric mean	Fully Supporting	From confluence with Taylor Bayou to confluence with Bayou Din	6	13		41
Overall Recreation Use	Fully Supporting	From confluence with Bayou Din to upper end of segment	8			
Overall Recreation Use	Fully Supporting	From confluence with Taylor Bayou to confluence with Bayou Din	6			
General Use						
Water Temperature	Fully Supporting	From confluence with Bayou Din to upper end of segment	8	25	0	
Water Temperature	Fully Supporting	From confluence with Taylor Bayou to confluence with Bayou Din	6	14	0	
pH	Fully Supporting	From confluence with Bayou Din to upper end of segment	8	25	0	

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

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

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
General Use (continued)						
pH	Fully Supporting	From confluence with Taylor Bayou to confluence with Bayou Din	6	14	0	
Chloride	Fully Supporting	From confluence with Bayou Din to upper end of segment	8	40		178.5
Chloride	Fully Supporting	From confluence with Taylor Bayou to confluence with Bayou Din	6	40		178.5
Sulfate	Fully Supporting	From confluence with Bayou Din to upper end of segment	8	15		52.3
Sulfate	Fully Supporting	From confluence with Taylor Bayou to confluence with Bayou Din	6	15		52.3
Total Dissolved Solids	Fully Supporting	From confluence with Bayou Din to upper end of segment	8	40		532.32
Total Dissolved Solids	Fully Supporting	From confluence with Taylor Bayou to confluence with Bayou Din	6	40		532.32
Overall General Use	Fully Supporting	From confluence with Bayou Din to upper end of segment	8			
Overall General Use	Fully Supporting	From confluence with Taylor Bayou to confluence with Bayou Din	6			
Fish Consumption Use						
Human Health Criteria Metals	No Concern-Limited Data	From confluence with Bayou Din to upper end of segment	8	4		
Overall Fish Consumption Use	Not Assessed	From confluence with Bayou Din to upper end of segment	8			
Overall Fish Consumption Use	Not Assessed	From confluence with Taylor Bayou to confluence with Bayou Din	6			

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

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

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Overall Use Support						
	Fully Supporting	From confluence with Bayou Din to upper end of segment	8			
	Fully Supporting	From confluence with Taylor Bayou to confluence with Bayou Din	6			
Nutrient Enrichment Concern						
Ammonia Nitrogen	Concern	From confluence with Bayou Din to upper end of segment	8	25	13	
Ammonia Nitrogen	Concern	From confluence with Taylor Bayou to confluence with Bayou Din	6	14	7	
Nitrite + Nitrate Nitrogen	No Concern	From confluence with Bayou Din to upper end of segment	8	25	0	
Nitrite + Nitrate Nitrogen	No Concern	From confluence with Taylor Bayou to confluence with Bayou Din	6	14	0	
Orthophosphorus	Not Assessed	From confluence with Bayou Din to upper end of segment	8	7	0	
Orthophosphorus	No Concern	From confluence with Taylor Bayou to confluence with Bayou Din	6	14	0	
Total Phosphorus	Not Assessed	From confluence with Bayou Din to upper end of segment	8	7	0	
Total Phosphorus	No Concern	From confluence with Taylor Bayou to confluence with Bayou Din	6	14	0	
Overall Nutrient Enrichment Concerns	Concern	From confluence with Bayou Din to upper end of segment	8			
Overall Nutrient Enrichment Concerns	Concern	From confluence with Taylor Bayou to confluence with Bayou Din	6			

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

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

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Algal Growth Concern						
Chlorophyll a	Not Assessed	From confluence with Bayou Din to upper end of segment	8	0		
Chlorophyll a	Concern	From confluence with Taylor Bayou to confluence with Bayou Din	6	14	6	
Sediment Contaminants Concern						
85% Metals in sediment Arsenic	Not Assessed	From confluence with Bayou Din to upper end of segment	8	4	3	
85% Metals in sediment Arsenic	Not Assessed	From confluence with Taylor Bayou to confluence with Bayou Din	6	4	3	
Metals in sediment Metals	Not Assessed	From confluence with Bayou Din to upper end of segment	8	4	0	
Metals in sediment Metals	Not Assessed	From confluence with Taylor Bayou to confluence with Bayou Din	6	4	0	
Overall Sediment Contaminant Concerns	Not Assessed	From confluence with Bayou Din to upper end of segment	8			
Overall Sediment Contaminant Concerns	Not Assessed	From confluence with Taylor Bayou to confluence with Bayou Din	6			
Fish Tissue Contaminants Concern						
Overall Fish Tissue Contaminant Concerns	Not Assessed	From confluence with Bayou Din to upper end of segment	8			
Overall Fish Tissue Contaminant Concerns	Not Assessed	From confluence with Taylor Bayou to confluence with Bayou Din	6			
Narrative Criteria Concern						
Overall Narrative Criteria Concerns	No Concern	From confluence with Bayou Din to upper end of segment	8			
Overall Narrative Criteria Concerns	No Concern	From confluence with Taylor Bayou to confluence with Bayou Din	6			

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

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Overall Secondary Concern						
	Concern	From confluence with Bayou Din to upper end of segment	8			
	Concern	From confluence with Taylor Bayou to confluence with Bayou Din	6			