Segment ID: 0702A **Water body name:** Alligator Bayou (unclassified water body)

Freshwater Stream | Neches-Trinity Coastal Basin | Total size: 3.75 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life Use						
Dissolved Oxygen grab average	No Concern	Entire water body	3.75	12	0	
Dissolved Oxygen grab minimum	Fully Supporting	Entire water body	3.75	12	0	
Dissolved Oxygen 24hr average	Not Assessed	Entire water body	3.75	0		
Dissolved Oxygen 24hr minimum	Not Assessed	Entire water body	3.75	0		
Acute Metals in water	No Concern-Limited Data	Entire water body	3.75	8	0	
Chronic Metals in water	No Concern-Limited Data	Entire water body	3.75	8		
Acute Organics in water	Not Assessed	Entire water body	3.75	2	0	
Chronic Organics in water	Not Assessed	Entire water body	3.75	2		
Chronic Toxicity tests in water	Use Concern-Limited Data	Entire water body	3.75	5	1	
Chronic Toxicity tests in sediment	Not Assessed	Entire water body	3.75	3	2	
Habitat	Use Concern-Limited Data	Entire water body	3.75	1	1	13
Fish Community	Not Supporting	Entire water body	3.75	2	1	35
Overall Aquatic Life Use	Not Supporting	Entire water body	3.75			
Contact Recreation Use						
E. coli single sample	Not Assessed	Entire water body	3.75	0		
E. coli geometric mean	Not Assessed	Entire water body	3.75	0		
Fecal coliform single sample	Fully Supporting	Entire water body	3.75	11	1	
Fecal coliform geometric mean	Fully Supporting	Entire water body	3.75	11		64

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Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Contact Recreation Use (continued)						
Overall Recreation Use	Fully Supporting	Entire water body	3.75			
Fish Consumption Use						
Human Health Criteria Metals	No Concern-Limited Data	Entire water body	3.75	8		
Human Health Criteria Organics	Not Assessed	Entire water body	3.75	2		
Overall Fish Consumption Use	Not Assessed	Entire water body	3.75			
Overall Use Support						
	Not Supporting	Entire water body	3.75			
Nutrient Enrichment Concern						
Ammonia Nitrogen	No Concern	Entire water body	3.75	12	1	
Nitrite + Nitrate Nitrogen	No Concern	Entire water body	3.75	12	1	
Orthophosphorus	No Concern	Entire water body	3.75	12	2	
Total Phosphorus	No Concern	Entire water body	3.75	12	0	
Overall Nutrient Enrichment Concerns	No Concern	Entire water body	3.75			
Algal Growth Concern						
Chlorophyll a	Concern	Entire water body	3.75	12	8	
Sediment Contaminants Concern						
PEL Metals in sediment Lead	Not Assessed	Entire water body	3.75	4	4	
85% Metals in sediment Chromium	Not Assessed	Entire water body	3.75	4	4	
85% Metals in sediment Copper	Not Assessed	Entire water body	3.75	4	4	
85% Metals in sediment Lead	Not Assessed	Entire water body	3.75	4	4	

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Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Sediment Contaminants Concern (continued)						
85% Metals in sediment Mercury	Not Assessed	Entire water body	3.75	3	3	
85% Metals in sediment Zinc	Not Assessed	Entire water body	3.75	4	4	
PEL Organics in sediment Anthracene	Not Assessed	Entire water body	3.75	3	2	
PEL Organics in sediment Chrysene	Not Assessed	Entire water body	3.75	3	2	
PEL Organics in sediment Phenanthrene	Not Assessed	Entire water body	3.75	3	2	
PEL Organics in sediment Pyrene	Not Assessed	Entire water body	3.75	3	2	
85% Organics in sediment Anthracene	Not Assessed	Entire water body	3.75	3	2	
85% Organics in sediment Chrysene	Not Assessed	Entire water body	3.75	3	2	
85% Organics in sediment Phenanthrene	Not Assessed	Entire water body	3.75	3	2	
85% Organics in sediment Pyrene	Not Assessed	Entire water body	3.75	3	2	
Overall Sediment Contaminant Concerns	Not Assessed	Entire water body	3.75			
Fish Tissue Contaminants Concern						
Metals in fish tissue	Not Assessed	Entire water body	3.75	8		
Organics in fish tissue Chlordane	Not Assessed	Entire water body	3.75	8	2	
Organics in fish tissue Organics	Not Assessed	Entire water body	3.75	8	0	
Overall Fish Tissue Contaminant Concerns	Not Assessed	Entire water body	3.75			
Narrative Criteria Concern						
Organics in fish tissue	Concern	Entire water body	3.75			
Metals in sediment	Concern	Entire water body	3.75			
Organics in sediment	Concern	Entire water body	3.75			

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Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Narrative Criteria Concern (continued)						
Chronic Toxicity tests in sediment	Concern	Entire water body	3.75			
Overall Narrative Criteria Concerns	Concern	Entire water body	3.75			
Overall Secondary Concern						
	Concern	Entire water body	3.75			