Segment ID: 0406 **Water body name:** Black Bayou

Freshwater Stream | Cypress Creek Basin | Total size: 24 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life Use						
Dissolved Oxygen grab average	Use Concern	Lower 12 miles	12	13	5	
Dissolved Oxygen grab average	Not Assessed	Upper 12 miles	12	9	4	
Dissolved Oxygen grab minimum	Partially Supporting	Lower 12 miles	12	13	5	
Dissolved Oxygen grab minimum	Use Concern-Limited Data	Upper 12 miles	12	9	2	
Dissolved Oxygen 24hr average	Not Assessed	Lower 12 miles	12	3		
Dissolved Oxygen 24hr average	Use Concern-Limited Data	Upper 12 miles	12	6	6	
Dissolved Oxygen 24hr minimum	Not Assessed	Lower 12 miles	12	3		
Dissolved Oxygen 24hr minimum	Use Concern-Limited Data	Upper 12 miles	12	6	4	
Acute Metals in water	No Concern-Limited Data	Lower 12 miles	12	4	0	
Acute Metals in water	No Concern-Limited Data	Upper 12 miles	12	4	0	
Chronic Metals in water Lead	Use Concern-Limited Data	Lower 12 miles	12	4		0.476
Chronic Metals in water Lead	Use Concern-Limited Data	Upper 12 miles	12	4		1.51
Macrobenthos Community	No Concern-Limited Data	Lower 12 miles	12	1	0	22
Macrobenthos Community	No Concern-Limited Data	Upper 12 miles	12	1	0	22
Fish Community	Fully Supporting	Lower 12 miles	12	2	0	46
Fish Community	Fully Supporting	Upper 12 miles	12	2	0	50
Overall Aquatic Life Use	Fully Supporting	Lower 12 miles	12			
Overall Aquatic Life Use	Fully Supporting	Upper 12 miles	12			
Contact Recreation Use						
E. coli single sample	Not Assessed	Lower 12 miles	12	0		
E. coli single sample	Not Assessed	Upper 12 miles	12	0		

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Freshwater Stream | Cypress Creek Basin | Total size: 24 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Contact Recreation Use (continued)						
E. coli geometric mean	Not Assessed	Lower 12 miles	12	0		
E. coli geometric mean	Not Assessed	Upper 12 miles	12	0		
Fecal coliform single sample	Fully Supporting	Lower 12 miles	12	13	0	
Fecal coliform single sample	No Concern-Limited Data	Upper 12 miles	12	8	0	
Fecal coliform geometric mean	Fully Supporting	Lower 12 miles	12	13		89
Fecal coliform geometric mean	No Concern-Limited Data	Upper 12 miles	12	8		70
Overall Recreation Use	Fully Supporting	Lower 12 miles	12			
Overall Recreation Use	Not Assessed	Upper 12 miles	12			
General Use						
Water Temperature	Fully Supporting	Lower 12 miles	12	13	0	
Water Temperature	No Concern-Limited Data	Upper 12 miles	12	9	0	
pH	Use Concern	Lower 12 miles	12	13	2	
pH	No Concern-Limited Data	Upper 12 miles	12	9	0	
Chloride	Fully Supporting	Lower 12 miles	12	24		9.7
Chloride	Fully Supporting	Upper 12 miles	12	24		9.7
Sulfate	Fully Supporting	Lower 12 miles	12	25		6.3
Sulfate	Fully Supporting	Upper 12 miles	12	25		6.3
Total Dissolved Solids	Fully Supporting	Lower 12 miles	12	26		76
Total Dissolved Solids	Fully Supporting	Upper 12 miles	12	26		76
Overall General Use	Fully Supporting	Lower 12 miles	12			
Overall General Use	Fully Supporting	Upper 12 miles	12			

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Freshwater Stream | Cypress Creek Basin | Total size: 24 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Fish Consumption Use						
Human Health Criteria	No Concern-Limited Data	Lower 12 miles	12	4		
Human Health Criteria	No Concern-Limited Data	Upper 12 miles	12	4		
Overall Fish Consumption Use	Not Assessed	Lower 12 miles	12			
Overall Fish Consumption Use	Not Assessed	Upper 12 miles	12			
Public Water Supply Use						
Surface Water: Long-term average	No Concern-Limited Data	Lower 12 miles	12	4		
Surface Water: Long-term average	No Concern-Limited Data	Upper 12 miles	12	4		
Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Lower 12 miles	12	13		0.057
Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Upper 12 miles	12	24		0.068
Surface Water: Running average	No Concern-Limited Data	Lower 12 miles	12	4		
Surface Water: Running average	No Concern-Limited Data	Upper 12 miles	12	4		
Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	Lower 12 miles	12	13		
Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	Upper 12 miles	12	24		
Overall Public Water Supply Use	Fully Supporting	Lower 12 miles	12			
Overall Public Water Supply Use	Fully Supporting	Upper 12 miles	12			
Overall Use Support						
	Fully Supporting	Lower 12 miles	12			
	Fully Supporting	Upper 12 miles	12			
Nutrient Enrichment Concern						
Ammonia Nitrogen	No Concern	Lower 12 miles	12	14	1	

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Freshwater Stream | Cypress Creek Basin | Total size: 24 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Nutrient Enrichment Concern (continued)						
Ammonia Nitrogen	Concern	Upper 12 miles	12	10	3	
Nitrite + Nitrate Nitrogen	No Concern	Lower 12 miles	12	13	0	
Nitrite + Nitrate Nitrogen	No Concern	Upper 12 miles	12	10	0	
Orthophosphorus	No Concern	Lower 12 miles	12	12	0	
Orthophosphorus	No Concern	Upper 12 miles	12	10	0	
Total Phosphorus	No Concern	Lower 12 miles	12	14	1	
Total Phosphorus	No Concern	Upper 12 miles	12	10	0	
Overall Nutrient Enrichment Concerns	No Concern	Lower 12 miles	12			
Overall Nutrient Enrichment Concerns	Concern	Upper 12 miles	12			
Algal Growth Concern						
Chlorophyll a	No Concern	Lower 12 miles	12	14	3	
Chlorophyll a	No Concern	Upper 12 miles	12	10	2	
Sediment Contaminants Concern						
Metals in sediment	Not Assessed	Lower 12 miles	12	2		
Metals in sediment	Not Assessed	Upper 12 miles	12	2		
Overall Sediment Contaminant Concerns	Not Assessed	Lower 12 miles	12			
Overall Sediment Contaminant Concerns	Not Assessed	Upper 12 miles	12			
Fish Tissue Contaminants Concern						
Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower 12 miles	12			

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Freshwater Stream | Cypress Creek Basin | Total size: 24 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Fish Tissue Contaminants Concern (continued)						
Overall Fish Tissue Contaminant Concerns	Not Assessed	Upper 12 miles	12			
Public Water Supply Concern						
Finished Water: Chloride	No Concern	Lower 12 miles	12			
Finished Water: Chloride	No Concern	Upper 12 miles	12			
Finished Water: Sulfate	No Concern	Lower 12 miles	12			
Finished Water: Sulfate	No Concern	Upper 12 miles	12			
Finished Water: Total Dissolved Solids	No Concern	Lower 12 miles	12			
Finished Water: Total Dissolved Solids	No Concern	Upper 12 miles	12			
Finished Water: MTBE	No Concern	Lower 12 miles	12			
Finished Water: MTBE	No Concern	Upper 12 miles	12			
Finished Water: Perchlorate	Not Assessed	Lower 12 miles	12			
Finished Water: Perchlorate	Not Assessed	Upper 12 miles	12			
Finished Water: Overall	No Concern	Lower 12 miles	12			
Finished Water: Overall	No Concern	Upper 12 miles	12			
Surface Water: Chloride	No Concern	Lower 12 miles	12	24		9.7
Surface Water: Chloride	No Concern	Upper 12 miles	12	24		9.7
Surface Water: Sulfate	No Concern	Lower 12 miles	12	25		6.3
Surface Water: Sulfate	No Concern	Upper 12 miles	12	25		6.3
Surface Water: Total Dissolved Solids	No Concern	Lower 12 miles	12	26		76
Surface Water: Total Dissolved Solids	No Concern	Upper 12 miles	12	26		76

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Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Public Water Supply Concern (continued)						
Surface Water: Overall	No Concern	Lower 12 miles	12			
Surface Water: Overall	No Concern	Upper 12 miles	12			
Overall Public Water Supply Concerns	No Concern	Lower 12 miles	12			
Overall Public Water Supply Concerns	No Concern	Upper 12 miles	12			
Narrative Criteria Concern						
Overall Narrative Criteria Concerns	No Concern	Lower 12 miles	12			
Overall Narrative Criteria Concerns	No Concern	Upper 12 miles	12			
Overall Secondary Concern						
	No Concern	Lower 12 miles	12			
	Concern	Upper 12 miles	12			