

Segment ID: 0407

Water body name: James' Bayou

Freshwater Stream

Cypress Creek Basin

Total size:

40 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	Not Assessed	Lower 15 miles of segment	15	4	2	
2002	Dissolved Oxygen grab average	Use Concern	Upper 25 miles of segment	25	17	5	
2002	Dissolved Oxygen grab minimum	Use Concern	Lower 15 miles of segment	15	4	2	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Upper 25 miles of segment	25	17	2	
2004	Dissolved Oxygen 24hr average	Not Assess-Not Represent	Lower 15 miles of segment	15	7	1	
2004	Dissolved Oxygen 24hr average	Use Concern-Limited Data	Upper 25 miles of segment	25	6	1	
2004	Dissolved Oxygen 24hr minimum	Not Assess-Not Represent	Lower 15 miles of segment	15	7	1	
2004	Dissolved Oxygen 24hr minimum	Use Concern-Limited Data	Upper 25 miles of segment	25	6	1	
2004	Acute Metals in water Copper	Not Assessed	Lower 15 miles of segment	15	1	0	
2004	Acute Metals in water Copper	Partially Supporting	Upper 25 miles of segment	25	11	2	
2004	Acute Metals in water Lead	Not Assessed	Lower 15 miles of segment	15	1	0	
2004	Acute Metals in water Lead	Fully Supporting	Upper 25 miles of segment	25	12	0	
2004	Chronic Metals in water Copper	Not Assessed	Lower 15 miles of segment	15	1	0	
2004	Chronic Metals in water Copper	Fully Supporting	Upper 25 miles of segment	25	11		1.1
2004	Chronic Metals in water Lead	Fully Supporting	Upper 25 miles of segment	25	12		0.291
2004	Overall Aquatic Life Use	Fully Supporting	Lower 15 miles of segment	15			
2004	Overall Aquatic Life Use	Partially Supporting	Upper 25 miles of segment	25			

**Contact Recreation Use**

2002	E. coli single sample	Not Assessed	Lower 15 miles of segment	15	0		
2002	E. coli single sample	Not Assessed	Upper 25 miles of segment	25	0		

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**Contact Recreation Use** (continued)

2002	E. coli geometric mean	Not Assessed	Lower 15 miles of segment	15	0		
2002	E. coli geometric mean	Not Assessed	Upper 25 miles of segment	25	0		
2002	Fecal coliform single sample	Not Assessed	Lower 15 miles of segment	15	3		
2002	Fecal coliform single sample	No Concern-Limited Data	Upper 25 miles of segment	25	9	1	
2002	Fecal coliform geometric mean	Not Assessed	Lower 15 miles of segment	15	3		
2002	Fecal coliform geometric mean	No Concern-Limited Data	Upper 25 miles of segment	25	9		83
2002	Overall Recreation Use	Not Assessed	Lower 15 miles of segment	15			
2002	Overall Recreation Use	Not Assessed	Upper 25 miles of segment	25			

**General Use**

2002	Water Temperature	No Concern-Limited Data	Lower 15 miles of segment	15	4	0	
2002	Water Temperature	Fully Supporting	Upper 25 miles of segment	25	22	0	
2002	pH	No Concern-Limited Data	Lower 15 miles of segment	15	4	0	
2002	pH	Fully Supporting	Upper 25 miles of segment	25	22	0	
2002	Chloride	Fully Supporting	Lower 15 miles of segment	15	16		27.6
2002	Chloride	Fully Supporting	Upper 25 miles of segment	25	16		27.6
2002	Sulfate	Fully Supporting	Lower 15 miles of segment	15	16		5.7
2002	Sulfate	Fully Supporting	Upper 25 miles of segment	25	16		5.7
2002	Total Dissolved Solids	Fully Supporting	Lower 15 miles of segment	15	22		112.4
2002	Total Dissolved Solids	Fully Supporting	Upper 25 miles of segment	25	22		112.4

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**General Use** (continued)

2002	Overall General Use	Fully Supporting	Lower 15 miles of segment	15			
2002	Overall General Use	Fully Supporting	Upper 25 miles of segment	25			

**Fish Consumption Use**

2002	Human Health Criteria	Not Assessed	Lower 15 miles of segment	15	1		
2002	Human Health Criteria	No Concern-Limited Data	Upper 25 miles of segment	25	9		
2002	Overall Fish Consumption Use	Not Assessed	Lower 15 miles of segment	15			
2002	Overall Fish Consumption Use	Not Assessed	Upper 25 miles of segment	25			

**Public Water Supply Use**

2002	Surface Water: Long-term average	Not Assessed	Lower 15 miles of segment	15	1		
2002	Surface Water: Long-term average	No Concern-Limited Data	Upper 25 miles of segment	25	9		
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Not Assessed	Lower 15 miles of segment	15	3		
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Upper 25 miles of segment	25	13		0.08
2002	Surface Water: Running average	Not Assessed	Lower 15 miles of segment	15	1		
2002	Surface Water: Running average	No Concern-Limited Data	Upper 25 miles of segment	25	9		
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Not Assessed	Lower 15 miles of segment	15	3		
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	Upper 25 miles of segment	25	13		
2002	Overall Public Water Supply Use	Fully Supporting	Lower 15 miles of segment	15			
2002	Overall Public Water Supply Use	Fully Supporting	Upper 25 miles of segment	25			

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**Overall Use Support**

2004		Fully Supporting	Lower 15 miles of segment	15			
2004		Partially Supporting	Upper 25 miles of segment	25			

**Nutrient Enrichment Concern**

2002	Ammonia Nitrogen	Not Assessed	Lower 15 miles of segment	15	3		
2002	Ammonia Nitrogen	Concern	Upper 25 miles of segment	25	14	4	
2002	Nitrite + Nitrate Nitrogen	Not Assessed	Lower 15 miles of segment	15	3		
2002	Nitrite + Nitrate Nitrogen	No Concern	Upper 25 miles of segment	25	13	0	
2002	Orthophosphorus	Not Assessed	Lower 15 miles of segment	15	2		
2002	Orthophosphorus	No Concern	Upper 25 miles of segment	25	13	0	
2002	Total Phosphorus	Not Assessed	Lower 15 miles of segment	15	2		
2002	Total Phosphorus	No Concern	Upper 25 miles of segment	25	14	0	
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Lower 15 miles of segment	15			
2002	Overall Nutrient Enrichment Concerns	Concern	Upper 25 miles of segment	25			

**Algal Growth Concern**

2002	Chlorophyll a	Not Assessed	Lower 15 miles of segment	15	2		
2002	Chlorophyll a	No Concern	Upper 25 miles of segment	25	14	2	

**Sediment Contaminants Concern**

2002	Metals in sediment	Not Assessed	Upper 25 miles of segment	25	2		
2002	Overall Sediment Contaminant Concerns	Not Assessed	Lower 15 miles of segment	15			

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**Sediment Contaminants Concern** (continued)

2002	Overall Sediment Contaminant Concerns	Not Assessed	Upper 25 miles of segment	25			
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**Fish Tissue Contaminants Concern**

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower 15 miles of segment	15			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Upper 25 miles of segment	25			

**Public Water Supply Concern**

2002	Finished Water: Chloride	No Concern	Lower 15 miles of segment	15			
2002	Finished Water: Chloride	No Concern	Upper 25 miles of segment	25			
2002	Finished Water: Sulfate	No Concern	Lower 15 miles of segment	15			
2002	Finished Water: Sulfate	No Concern	Upper 25 miles of segment	25			
2002	Finished Water: Total Dissolved Solids	No Concern	Lower 15 miles of segment	15			
2002	Finished Water: Total Dissolved Solids	No Concern	Upper 25 miles of segment	25			
2002	Finished Water: MTBE	No Concern	Lower 15 miles of segment	15			
2002	Finished Water: MTBE	No Concern	Upper 25 miles of segment	25			
2002	Finished Water: Perchlorate	Not Assessed	Lower 15 miles of segment	15			
2002	Finished Water: Perchlorate	Not Assessed	Upper 25 miles of segment	25			
2002	Finished Water: Overall	No Concern	Lower 15 miles of segment	15			
2002	Finished Water: Overall	No Concern	Upper 25 miles of segment	25			
2002	Surface Water: Chloride	No Concern	Lower 15 miles of segment	15	16		27.6
2002	Surface Water: Chloride	No Concern	Upper 25 miles of segment	25	16		27.6

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**Public Water Supply Concern** (continued)

2002	Surface Water: Sulfate	No Concern	Lower 15 miles of segment	15	16		5.7
2002	Surface Water: Sulfate	No Concern	Upper 25 miles of segment	25	16		5.7
2002	Surface Water: Total Dissolved Solids	No Concern	Lower 15 miles of segment	15	22		112.4
2002	Surface Water: Total Dissolved Solids	No Concern	Upper 25 miles of segment	25	22		112.4
2002	Surface Water: Overall	No Concern	Lower 15 miles of segment	15			
2002	Surface Water: Overall	Concern	Upper 25 miles of segment	25			
2002	Overall Public Water Supply Concerns	No Concern	Lower 15 miles of segment	15			
2002	Overall Public Water Supply Concerns	Concern	Upper 25 miles of segment	25			

**Narrative Criteria Concern**

2002	Overall Narrative Criteria Concerns	No Concern	Lower 15 miles of segment	15			
2002	Overall Narrative Criteria Concerns	No Concern	Upper 25 miles of segment	25			

**Overall Secondary Concern**

2002		No Concern	Lower 15 miles of segment	15			
2002		Concern	Upper 25 miles of segment	25			