

Segment ID: 2424A **Water body name:** Highland Bayou (unclassified water body)

Tidal Stream Bays and Estuaries Total size: 13.2 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	No Concern	From Bayou Lane to the confluence with Jones Bay	2.9	23	2	
2002	Dissolved Oxygen grab average	Use Concern	From FM 2001 to FM 519	1	23	6	
2002	Dissolved Oxygen grab average	Use Concern	From FM 519 to Fairwood Road	1.8	22	3	
2002	Dissolved Oxygen grab average	Use Concern	From Fairwood Road to Bayou Lane	2.4	22	3	
2002	Dissolved Oxygen grab average	Use Concern	From the headwaters to FM 2004	5.1	22	13	
2002	Dissolved Oxygen grab minimum	Fully Supporting	From Bayou Lane to the confluence with Jones Bay	2.9	23	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	From FM 2001 to FM 519	1	23	2	
2002	Dissolved Oxygen grab minimum	Use Concern	From FM 519 to Fairwood Road	1.8	22	3	
2002	Dissolved Oxygen grab minimum	Fully Supporting	From Fairwood Road to Bayou Lane	2.4	22	0	
2002	Dissolved Oxygen grab minimum	Partially Supporting	From the headwaters to FM 2004	5.1	22	7	
2002	Dissolved Oxygen 24hr average	Not Assessed	From Bayou Lane to the confluence with Jones Bay	2.9	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	From FM 2001 to FM 519	1	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	From FM 519 to Fairwood Road	1.8	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	From Fairwood Road to Bayou Lane	2.4	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	From the headwaters to FM 2004	5.1	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	From Bayou Lane to the confluence with Jones Bay	2.9	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	From FM 2001 to FM 519	1	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	From FM 519 to Fairwood Road	1.8	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	From Fairwood Road to Bayou Lane	2.4	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	From the headwaters to FM 2004	5.1	0		
2002	Overall Aquatic Life Use	Fully Supporting	From Bayou Lane to the confluence with Jones Bay	2.9			
2002	Overall Aquatic Life Use	Fully Supporting	From FM 2001 to FM 519	1			
2002	Overall Aquatic Life Use	Fully Supporting	From FM 519 to Fairwood Road	1.8			
2002	Overall Aquatic Life Use	Fully Supporting	From Fairwood Road to Bayou Lane	2.4			

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Aquatic Life Use (continued)

2002	Overall Aquatic Life Use	Partially Supporting	From the headwaters to FM 2004	5.1			
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Contact Recreation Use

2002	Enterococci single sample	Fully Supporting	From Bayou Lane to the confluence with Jones Bay	2.9	25	1	
2002	Enterococci single sample	Not Supporting	From FM 2001 to FM 519	1	26	10	
2002	Enterococci single sample	Fully Supporting	From FM 519 to Fairwood Road	1.8	25	4	
2002	Enterococci single sample	Fully Supporting	From Fairwood Road to Bayou Lane	2.4	25	6	
2002	Enterococci single sample	Not Supporting	From the headwaters to FM 2004	5.1	26	9	

2002	Enterococci geometric mean	Fully Supporting	From Bayou Lane to the confluence with Jones Bay	2.9	25		10
2002	Enterococci geometric mean	Not Supporting	From FM 2001 to FM 519	1	26		58
2002	Enterococci geometric mean	Fully Supporting	From FM 519 to Fairwood Road	1.8	25		28
2002	Enterococci geometric mean	Not Supporting	From Fairwood Road to Bayou Lane	2.4	25		45
2002	Enterococci geometric mean	Not Supporting	From the headwaters to FM 2004	5.1	26		70

2002	Fecal coliform single sample	Fully Supporting	From Bayou Lane to the confluence with Jones Bay	2.9	30	1	
2002	Fecal coliform single sample	Not Supporting	From FM 2001 to FM 519	1	31	19	
2002	Fecal coliform single sample	Fully Supporting	From FM 519 to Fairwood Road	1.8	30	4	
2002	Fecal coliform single sample	Not Supporting	From Fairwood Road to Bayou Lane	2.4	30	11	
2002	Fecal coliform single sample	Not Supporting	From the headwaters to FM 2004	5.1	31	17	

2002	Fecal coliform geometric mean	Fully Supporting	From Bayou Lane to the confluence with Jones Bay	2.9	30		29
2002	Fecal coliform geometric mean	Not Supporting	From FM 2001 to FM 519	1	31		597
2002	Fecal coliform geometric mean	Fully Supporting	From FM 519 to Fairwood Road	1.8	30		198
2002	Fecal coliform geometric mean	Fully Supporting	From Fairwood Road to Bayou Lane	2.4	30		193
2002	Fecal coliform geometric mean	Not Supporting	From the headwaters to FM 2004	5.1	31		631

2002	Overall Recreation Use	Fully Supporting	From Bayou Lane to the confluence with Jones Bay	2.9			
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Contact Recreation Use (continued)

2002	Overall Recreation Use	Not Supporting	From FM 2001 to FM 519	1			
2002	Overall Recreation Use	Fully Supporting	From FM 519 to Fairwood Road	1.8			
2002	Overall Recreation Use	Not Supporting	From Fairwood Road to Bayou Lane	2.4			
2002	Overall Recreation Use	Not Supporting	From the headwaters to FM 2004	5.1			

Fish Consumption Use

2002	Overall Fish Consumption Use	Not Assessed	From Bayou Lane to the confluence with Jones Bay	2.9			
2002	Overall Fish Consumption Use	Not Assessed	From FM 2001 to FM 519	1			
2002	Overall Fish Consumption Use	Not Assessed	From FM 519 to Fairwood Road	1.8			
2002	Overall Fish Consumption Use	Not Assessed	From Fairwood Road to Bayou Lane	2.4			
2002	Overall Fish Consumption Use	Not Assessed	From the headwaters to FM 2004	5.1			

Overall Use Support

2002		Fully Supporting	From Bayou Lane to the confluence with Jones Bay	2.9			
2002		Not Supporting	From FM 2001 to FM 519	1			
2002		Fully Supporting	From FM 519 to Fairwood Road	1.8			
2002		Not Supporting	From Fairwood Road to Bayou Lane	2.4			
2002		Not Supporting	From the headwaters to FM 2004	5.1			

Nutrient Enrichment Concern

2002	Ammonia Nitrogen	No Concern	From Bayou Lane to the confluence with Jones Bay	2.9	23	0	
2002	Ammonia Nitrogen	No Concern	From FM 2001 to FM 519	1	23	3	
2002	Ammonia Nitrogen	No Concern	From FM 519 to Fairwood Road	1.8	22	1	
2002	Ammonia Nitrogen	No Concern	From Fairwood Road to Bayou Lane	2.4	21	0	
2002	Ammonia Nitrogen	No Concern	From the headwaters to FM 2004	5.1	23	2	
2002	Nitrite + Nitrate Nitrogen	No Concern	From Bayou Lane to the confluence with Jones Bay	2.9	23	0	

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Nutrient Enrichment Concern (continued)

2002	Nitrite + Nitrate Nitrogen	No Concern	From FM 2001 to FM 519	1	23	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	From FM 519 to Fairwood Road	1.8	22	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	From Fairwood Road to Bayou Lane	2.4	21	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	From the headwaters to FM 2004	5.1	23	0	
2002	Orthophosphorus	Not Assessed	From Bayou Lane to the confluence with Jones Bay	2.9	0		
2002	Orthophosphorus	Not Assessed	From FM 2001 to FM 519	1	0		
2002	Orthophosphorus	Not Assessed	From FM 519 to Fairwood Road	1.8	0		
2002	Orthophosphorus	Not Assessed	From Fairwood Road to Bayou Lane	2.4	0		
2002	Orthophosphorus	Not Assessed	From the headwaters to FM 2004	5.1	0		
2002	Total Phosphorus	Not Assessed	From Bayou Lane to the confluence with Jones Bay	2.9	1	0	
2002	Total Phosphorus	Not Assessed	From FM 2001 to FM 519	1	1	0	
2002	Total Phosphorus	Not Assessed	From FM 519 to Fairwood Road	1.8	1	0	
2002	Total Phosphorus	Not Assessed	From Fairwood Road to Bayou Lane	2.4	1	0	
2002	Total Phosphorus	Not Assessed	From the headwaters to FM 2004	5.1	1	0	
2002	Overall Nutrient Enrichment Concerns	No Concern	From Bayou Lane to the confluence with Jones Bay	2.9			
2002	Overall Nutrient Enrichment Concerns	No Concern	From FM 2001 to FM 519	1			
2002	Overall Nutrient Enrichment Concerns	No Concern	From FM 519 to Fairwood Road	1.8			
2002	Overall Nutrient Enrichment Concerns	No Concern	From Fairwood Road to Bayou Lane	2.4			
2002	Overall Nutrient Enrichment Concerns	No Concern	From the headwaters to FM 2004	5.1			

Algal Growth Concern

2002	Chlorophyll a	Not Assessed	From Bayou Lane to the confluence with Jones Bay	2.9	0		
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Algal Growth Concern (continued)

2002	Chlorophyll a	Not Assessed	From FM 2001 to FM 519	1	0		
2002	Chlorophyll a	Not Assessed	From FM 519 to Fairwood Road	1.8	0		
2002	Chlorophyll a	Not Assessed	From Fairwood Road to Bayou Lane	2.4	0		
2002	Chlorophyll a	Not Assessed	From the headwaters to FM 2004	5.1	0		

Sediment Contaminants Concern

2002	Overall Sediment Contaminant Concerns	Not Assessed	From Bayou Lane to the confluence with Jones Bay	2.9			
2002	Overall Sediment Contaminant Concerns	Not Assessed	From FM 2001 to FM 519	1			
2002	Overall Sediment Contaminant Concerns	Not Assessed	From FM 519 to Fairwood Road	1.8			
2002	Overall Sediment Contaminant Concerns	Not Assessed	From Fairwood Road to Bayou Lane	2.4			
2002	Overall Sediment Contaminant Concerns	Not Assessed	From the headwaters to FM 2004	5.1			

Fish Tissue Contaminants Concern

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	From Bayou Lane to the confluence with Jones Bay	2.9			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	From FM 2001 to FM 519	1			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	From FM 519 to Fairwood Road	1.8			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	From Fairwood Road to Bayou Lane	2.4			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	From the headwaters to FM 2004	5.1			

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Narrative Criteria Concern

2002	Overall Narrative Criteria Concerns	No Concern	From Bayou Lane to the confluence with Jones Bay	2.9			
2002	Overall Narrative Criteria Concerns	No Concern	From FM 2001 to FM 519	1			
2002	Overall Narrative Criteria Concerns	No Concern	From FM 519 to Fairwood Road	1.8			
2002	Overall Narrative Criteria Concerns	No Concern	From Fairwood Road to Bayou Lane	2.4			
2002	Overall Narrative Criteria Concerns	No Concern	From the headwaters to FM 2004	5.1			

Overall Secondary Concern

2002		No Concern	From Bayou Lane to the confluence with Jones Bay	2.9			
2002		No Concern	From FM 2001 to FM 519	1			
2002		No Concern	From FM 519 to Fairwood Road	1.8			
2002		No Concern	From Fairwood Road to Bayou Lane	2.4			
2002		No Concern	From the headwaters to FM 2004	5.1			