

Segment ID: 1007**Water body name: Houston Ship Channel/Buffalo Bayou Tidal**

Tidal Stream

San Jacinto River Basin

Total size:

34.5 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	Berry Bayou Tidal	1.5	46	0	
2002	Dissolved Oxygen grab average	No Concern	Brays Bayou Tidal	8.5	24	0	
2002	Dissolved Oxygen grab average	No Concern	Houston Ship Channel/Buffalo Bayou Tidal	14	94	4	
2002	Dissolved Oxygen grab average	Not Assessed	Hunting Bayou Tidal	3.9	8	0	
2002	Dissolved Oxygen grab average	No Concern	Sims Bayou Tidal	6	36	0	
2002	Dissolved Oxygen grab average	No Concern	Vince Bayou Tidal	0.6	29	1	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Berry Bayou Tidal	1.5	46	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Brays Bayou Tidal	8.5	24	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Houston Ship Channel/Buffalo Bayou Tidal	14	94	4	
2002	Dissolved Oxygen grab minimum	No Concern-Limited Data	Hunting Bayou Tidal	3.9	8	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Sims Bayou Tidal	6	36	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Vince Bayou Tidal	0.6	29	1	
2002	Dissolved Oxygen 24hr average	Not Assessed	Berry Bayou Tidal	1.5	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Brays Bayou Tidal	8.5	2	0	
2002	Dissolved Oxygen 24hr average	Not Assess-Not Represent	Houston Ship Channel/Buffalo Bayou Tidal	14	6	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	Hunting Bayou Tidal	3.9	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Sims Bayou Tidal	6	0		
2002	Dissolved Oxygen 24hr average	Not Assess-Not Represent	Vince Bayou Tidal	0.6	5	0	
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Berry Bayou Tidal	1.5	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Brays Bayou Tidal	8.5	2	0	
2002	Dissolved Oxygen 24hr minimum	Not Assess-Not Represent	Houston Ship Channel/Buffalo Bayou Tidal	14	6	0	
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Hunting Bayou Tidal	3.9	0		

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Aquatic Life Use (continued)

2002	Dissolved Oxygen 24hr minimum	Not Assessed	Sims Bayou Tidal	6	0		
2002	Dissolved Oxygen 24hr minimum	Not Assess-Not Represent	Vince Bayou Tidal	0.6	5	2	
2002	Acute Metals in water	Fully Supporting	Houston Ship Channel/Buffalo Bayou Tidal	14	20	0	
2002	Acute Metals in water	Fully Supporting	Vince Bayou Tidal	0.6	14	0	
2002	Chronic Metals in water	Fully Supporting	Houston Ship Channel/Buffalo Bayou Tidal	14	20		
2002	Chronic Metals in water	Fully Supporting	Vince Bayou Tidal	0.6	14		
2002	Acute Toxicity tests in sediment	Partially Supporting	Vince Bayou Tidal	0.6	20	7	
2002	Overall Aquatic Life Use	Fully Supporting	Berry Bayou Tidal	1.5			
2002	Overall Aquatic Life Use	Fully Supporting	Brays Bayou Tidal	8.5			
2002	Overall Aquatic Life Use	Fully Supporting	Houston Ship Channel/Buffalo Bayou Tidal	14			
2002	Overall Aquatic Life Use	Not Assessed	Hunting Bayou Tidal	3.9			
2002	Overall Aquatic Life Use	Fully Supporting	Sims Bayou Tidal	6			
2002	Overall Aquatic Life Use	Partially Supporting	Vince Bayou Tidal	0.6			

General Use

2002	Water Temperature	Fully Supporting	Berry Bayou Tidal	1.5	46	0	
2002	Water Temperature	Fully Supporting	Brays Bayou Tidal	8.5	24	0	
2002	Water Temperature	Fully Supporting	Houston Ship Channel/Buffalo Bayou Tidal	14	124	0	
2002	Water Temperature	No Concern-Limited Data	Hunting Bayou Tidal	3.9	8	0	
2002	Water Temperature	Fully Supporting	Sims Bayou Tidal	6	36	0	
2002	Water Temperature	Fully Supporting	Vince Bayou Tidal	0.6	30	0	
2002	pH	Not Assess-Not Represent	Berry Bayou Tidal	1.5	9	1	

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General Use (continued)

2002	pH	Fully Supporting	Brays Bayou Tidal	8.5	24	0	
2002	pH	Fully Supporting	Houston Ship Channel/Buffalo Bayou Tidal	14	123	0	
2004	pH	Fully Supporting	Hunting Bayou Tidal	3.9	47	1	
2002	pH	Fully Supporting	Sims Bayou Tidal	6	36	0	
2002	pH	Fully Supporting	Vince Bayou Tidal	0.6	30	1	
2002	Enterococci (1006, 1007) single sample	Not Assessed	Brays Bayou Tidal	8.5	2	0	
2002	Enterococci (1006, 1007) single sample	Not Assessed	Houston Ship Channel/Buffalo Bayou Tidal	14	2	2	
2002	Enterococci (1006, 1007) single sample	Not Assessed	Hunting Bayou Tidal	3.9	0		
2002	Enterococci (1006, 1007) single sample	Not Assessed	Sims Bayou Tidal	6	0		
2002	Enterococci (1006, 1007) single sample	Not Assessed	Vince Bayou Tidal	0.6	3	1	
2002	Enterococci (1006, 1007) geometric mean	Not Assessed	Brays Bayou Tidal	8.5	2		7
2002	Enterococci (1006, 1007) geometric mean	Not Assessed	Houston Ship Channel/Buffalo Bayou Tidal	14	2		1,556.8
2002	Enterococci (1006, 1007) geometric mean	Not Assessed	Hunting Bayou Tidal	3.9	0		
2002	Enterococci (1006, 1007) geometric mean	Not Assessed	Sims Bayou Tidal	6	0		
2002	Enterococci (1006, 1007) geometric mean	Not Assessed	Vince Bayou Tidal	0.6	3		138.5
2002	Overall General Use	Fully Supporting	Berry Bayou Tidal	1.5			
2002	Overall General Use	Fully Supporting	Brays Bayou Tidal	8.5			
2002	Overall General Use	Fully Supporting	Houston Ship Channel/Buffalo Bayou Tidal	14			

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General Use (continued)

2004	Overall General Use	Fully Supporting	Hunting Bayou Tidal	3.9			
2002	Overall General Use	Fully Supporting	Sims Bayou Tidal	6			
2002	Overall General Use	Fully Supporting	Vince Bayou Tidal	0.6			

Fish Consumption Use

2004	Advisories and Closures Restricted and No-Consump	Not Supporting	Berry Bayou Tidal	1.5			
2004	Advisories and Closures Restricted and No-Consump	Not Supporting	Brays Bayou Tidal	8.5			
2004	Advisories and Closures Restricted and No-Consump	Not Supporting	Houston Ship Channel/Buffalo Bayou Tidal	14			
2004	Advisories and Closures Restricted and No-Consump	Not Supporting	Hunting Bayou Tidal	3.9			
2004	Advisories and Closures Restricted and No-Consump	Not Supporting	Sims Bayou Tidal	6			
2004	Advisories and Closures Restricted and No-Consump	Not Supporting	Vince Bayou Tidal	0.6			
2004	Human Health Criteria Metals	Fully Supporting	Vince Bayou Tidal	0.6	14		
2004	Overall Fish Consumption Use	Not Supporting	Berry Bayou Tidal	1.5			
2004	Overall Fish Consumption Use	Not Supporting	Brays Bayou Tidal	8.5			
2004	Overall Fish Consumption Use	Not Supporting	Houston Ship Channel/Buffalo Bayou Tidal	14			
2004	Overall Fish Consumption Use	Not Supporting	Hunting Bayou Tidal	3.9			
2004	Overall Fish Consumption Use	Not Supporting	Sims Bayou Tidal	6			
2004	Overall Fish Consumption Use	Not Supporting	Vince Bayou Tidal	0.6			

Overall Use Support

2004		Not Supporting	Berry Bayou Tidal	1.5			
2004		Not Supporting	Brays Bayou Tidal	8.5			

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Overall Use Support (continued)

2004		Not Supporting	Houston Ship Channel/Buffalo Bayou Tidal	14			
2004		Not Supporting	Hunting Bayou Tidal	3.9			
2004		Not Supporting	Sims Bayou Tidal	6			
2004		Not Supporting	Vince Bayou Tidal	0.6			

Nutrient Enrichment Concern

2002	Ammonia Nitrogen	No Concern	Berry Bayou Tidal	1.5	49	7	
2002	Ammonia Nitrogen	Concern	Brays Bayou Tidal	8.5	65	30	
2002	Ammonia Nitrogen	Concern	Houston Ship Channel/Buffalo Bayou Tidal	14	170	50	
2002	Ammonia Nitrogen	No Concern	Hunting Bayou Tidal	3.9	29	3	
2002	Ammonia Nitrogen	Concern	Sims Bayou Tidal	6	78	46	
2002	Ammonia Nitrogen	Concern	Vince Bayou Tidal	0.6	28	26	
2002	Nitrite + Nitrate Nitrogen	Not Assessed	Berry Bayou Tidal	1.5	0		
2002	Nitrite + Nitrate Nitrogen	Not Assessed	Brays Bayou Tidal	8.5	2	2	
2002	Nitrite + Nitrate Nitrogen	Concern	Houston Ship Channel/Buffalo Bayou Tidal	14	78	54	
2002	Nitrite + Nitrate Nitrogen	Not Assessed	Hunting Bayou Tidal	3.9	0		
2002	Nitrite + Nitrate Nitrogen	Concern	Sims Bayou Tidal	6	20	19	
2002	Nitrite + Nitrate Nitrogen	No Concern	Vince Bayou Tidal	0.6	29	4	
2002	Orthophosphorus	Not Assessed	Berry Bayou Tidal	1.5	0		
2002	Orthophosphorus	Not Assessed	Brays Bayou Tidal	8.5	3	1	
2002	Orthophosphorus	Concern	Houston Ship Channel/Buffalo Bayou Tidal	14	78	41	
2002	Orthophosphorus	Not Assessed	Hunting Bayou Tidal	3.9	0		
2002	Orthophosphorus	Concern	Sims Bayou Tidal	6	20	17	
2002	Orthophosphorus	Concern	Vince Bayou Tidal	0.6	28	20	
2002	Total Phosphorus	Not Assessed	Berry Bayou Tidal	1.5	0		

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Nutrient Enrichment Concern (continued)

2002	Total Phosphorus	Not Assessed	Brays Bayou Tidal	8.5	4	2	
2002	Total Phosphorus	Concern	Houston Ship Channel/Buffalo Bayou Tidal	14	78	33	
2002	Total Phosphorus	Not Assessed	Hunting Bayou Tidal	3.9	0		
2002	Total Phosphorus	Concern	Sims Bayou Tidal	6	20	15	
2002	Total Phosphorus	Concern	Vince Bayou Tidal	0.6	29	22	
2002	Overall Nutrient Enrichment Concerns	No Concern	Berry Bayou Tidal	1.5			
2002	Overall Nutrient Enrichment Concerns	Concern	Brays Bayou Tidal	8.5			
2002	Overall Nutrient Enrichment Concerns	Concern	Houston Ship Channel/Buffalo Bayou Tidal	14			
2002	Overall Nutrient Enrichment Concerns	No Concern	Hunting Bayou Tidal	3.9			
2002	Overall Nutrient Enrichment Concerns	Concern	Sims Bayou Tidal	6			
2002	Overall Nutrient Enrichment Concerns	Concern	Vince Bayou Tidal	0.6			

Algal Growth Concern

2002	Chlorophyll a	Not Assessed	Berry Bayou Tidal	1.5	0		
2002	Chlorophyll a	Not Assessed	Brays Bayou Tidal	8.5	2	0	
2002	Chlorophyll a	No Concern	Houston Ship Channel/Buffalo Bayou Tidal	14	78	3	
2002	Chlorophyll a	Not Assessed	Hunting Bayou Tidal	3.9	0		
2002	Chlorophyll a	No Concern	Sims Bayou Tidal	6	20	3	
2002	Chlorophyll a	No Concern	Vince Bayou Tidal	0.6	29	3	

Sediment Contaminants Concern

2002	PEL Metals in sediment Zinc	Not Assessed	Vince Bayou Tidal	0.6	7	3	
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Sediment Contaminants Concern (continued)

2002	85% Metals in sediment Arsenic	Not Assessed	Vince Bayou Tidal	0.6	7	2	
2002	85% Metals in sediment Cadmium	Concern	Houston Ship Channel/Buffalo Bayou Tidal	14	10	5	
2002	85% Metals in sediment Cadmium	Not Assessed	Vince Bayou Tidal	0.6	6	3	
2002	85% Metals in sediment Copper	Concern	Houston Ship Channel/Buffalo Bayou Tidal	14	11	5	
2002	85% Metals in sediment Copper	Not Assessed	Vince Bayou Tidal	0.6	7	3	
2002	85% Metals in sediment Nickel	No Concern	Houston Ship Channel/Buffalo Bayou Tidal	14	11	2	
2002	85% Metals in sediment Silver	Not Assessed	Vince Bayou Tidal	0.6	7	3	
2002	85% Metals in sediment Zinc	Concern	Houston Ship Channel/Buffalo Bayou Tidal	14	11	5	
2002	85% Metals in sediment Zinc	Not Assessed	Vince Bayou Tidal	0.6	7	3	
2002	Organics in sediment	Not Assessed	Houston Ship Channel/Buffalo Bayou Tidal	14	2		
2002	Overall Sediment Contaminant Concerns	Not Assessed	Berry Bayou Tidal	1.5			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Brays Bayou Tidal	8.5			
2002	Overall Sediment Contaminant Concerns	Concern	Houston Ship Channel/Buffalo Bayou Tidal	14			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Hunting Bayou Tidal	3.9			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Sims Bayou Tidal	6			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Vince Bayou Tidal	0.6			

Fish Tissue Contaminants Concern

2002	Metals in fish tissue	Not Assessed	Houston Ship Channel/Buffalo Bayou Tidal	14	9	0	
2002	Organics in fish tissue Chlordane	Not Assessed	Houston Ship Channel/Buffalo Bayou Tidal	14	9	3	
2002	Organics in fish tissue Dieldrin	Not Assessed	Houston Ship Channel/Buffalo Bayou Tidal	14	9	2	

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Fish Tissue Contaminants Concern (continued)

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Berry Bayou Tidal	1.5			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Brays Bayou Tidal	8.5			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Houston Ship Channel/Buffalo Bayou Tidal	14			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Hunting Bayou Tidal	3.9			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Sims Bayou Tidal	6			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Vince Bayou Tidal	0.6			

Narrative Criteria Concern

2002	Fecal coliform single sample	Concern	Berry Bayou Tidal	1.5	59	53	
2002	Fecal coliform geometric mean	Concern	Berry Bayou Tidal	1.5	59		2,380
2002	Overall Narrative Criteria Concerns	Concern	Berry Bayou Tidal	1.5			
2002	Overall Narrative Criteria Concerns	No Concern	Brays Bayou Tidal	8.5			
2002	Overall Narrative Criteria Concerns	No Concern	Houston Ship Channel/Buffalo Bayou Tidal	14			
2002	Overall Narrative Criteria Concerns	No Concern	Hunting Bayou Tidal	3.9			
2002	Overall Narrative Criteria Concerns	No Concern	Sims Bayou Tidal	6			
2002	Overall Narrative Criteria Concerns	No Concern	Vince Bayou Tidal	0.6			

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Overall Secondary Concern

2002		Concern	Berry Bayou Tidal	1.5			
2002		Concern	Brays Bayou Tidal	8.5			
2002		Concern	Houston Ship Channel/Buffalo Bayou Tidal	14			
2002		No Concern	Hunting Bayou Tidal	3.9			
2002		Concern	Sims Bayou Tidal	6			
2002		Concern	Vince Bayou Tidal	0.6			