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

Tidal Stream | San Jacinto River Basin | Total size: 34.5 Miles

Aquatic Life Use

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Dissolved Oxygen grab average	No Concern	Berry Bayou Tidal	1.5	46	0	
Dissolved Oxygen grab average	No Concern	Brays Bayou Tidal	8.5	24	0	
Dissolved Oxygen grab average	No Concern	Houston Ship Channel/Buffalo Bayou Tidal	14	94	4	
Dissolved Oxygen grab average	Not Assessed	Hunting Bayou Tidal	3.9	8	0	
Dissolved Oxygen grab average	No Concern	Sims Bayou Tidal	6	36	0	
Dissolved Oxygen grab average	No Concern	Vince Bayou Tidal	0.6	29	1	
Dissolved Oxygen grab minimum	Fully Supporting	Berry Bayou Tidal	1.5	46	0	
Dissolved Oxygen grab minimum	Fully Supporting	Brays Bayou Tidal	8.5	24	0	
Dissolved Oxygen grab minimum	Fully Supporting	Houston Ship Channel/Buffalo Bayou Tidal	14	94	4	
Dissolved Oxygen grab minimum	No Concern-Limited Data	Hunting Bayou Tidal	3.9	8	0	
Dissolved Oxygen grab minimum	Fully Supporting	Sims Bayou Tidal	6	36	0	
Dissolved Oxygen grab minimum	Fully Supporting	Vince Bayou Tidal	0.6	29	1	
Dissolved Oxygen 24hr average	Not Assessed	Berry Bayou Tidal	1.5	0		
Dissolved Oxygen 24hr average	Not Assessed	Brays Bayou Tidal	8.5	2	0	
Dissolved Oxygen 24hr average	Not Assess-Not Represent	Houston Ship Channel/Buffalo Bayou Tidal	14	6	0	
Dissolved Oxygen 24hr average	Not Assessed	Hunting Bayou Tidal	3.9	0		
Dissolved Oxygen 24hr average	Not Assessed	Sims Bayou Tidal	6	0		
Dissolved Oxygen 24hr average	Not Assess-Not Represent	Vince Bayou Tidal	0.6	5	0	
Dissolved Oxygen 24hr minimum	Not Assessed	Berry Bayou Tidal	1.5	0		
Dissolved Oxygen 24hr minimum	Not Assessed	Brays Bayou Tidal	8.5	2	0	
Dissolved Oxygen 24hr minimum	Not Assess-Not Represent	Houston Ship Channel/Buffalo Bayou Tidal	14	6	0	
Dissolved Oxygen 24hr minimum	Not Assessed	Hunting Bayou Tidal	3.9	0		
Dissolved Oxygen 24hr minimum	Not Assessed	Sims Bayou Tidal	6	0		
Dissolved Oxygen 24hr minimum	Not Assess-Not Represent	Vince Bayou Tidal	0.6	5	2	

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

Tidal Stream | San Jacinto River Basin | Total size: 34.5 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life Use (continued)						
Acute Metals in water	Fully Supporting	Houston Ship Channel/Buffalo Bayou Tidal	14	20	0	
Acute Metals in water	Fully Supporting	Vince Bayou Tidal	0.6	14	0	
Chronic Metals in water	Fully Supporting	Houston Ship Channel/Buffalo Bayou Tidal	14	20		
Chronic Metals in water	Fully Supporting	Vince Bayou Tidal	0.6	14		
Acute Toxicity tests in sediment	Partially Supporting	Vince Bayou Tidal	0.6	20	7	
Overall Aquatic Life Use	Fully Supporting	Berry Bayou Tidal	1.5			
Overall Aquatic Life Use	Fully Supporting	Brays Bayou Tidal	8.5			
Overall Aquatic Life Use	Fully Supporting	Houston Ship Channel/Buffalo Bayou Tidal	14			
Overall Aquatic Life Use	Not Assessed	Hunting Bayou Tidal	3.9			
Overall Aquatic Life Use	Fully Supporting	Sims Bayou Tidal	6			
Overall Aquatic Life Use	Partially Supporting	Vince Bayou Tidal	0.6			
General Use						
Water Temperature	Fully Supporting	Berry Bayou Tidal	1.5	46	0	
Water Temperature	Fully Supporting	Brays Bayou Tidal	8.5	24	0	
Water Temperature	Fully Supporting	Houston Ship Channel/Buffalo Bayou Tidal	14	124	0	
Water Temperature	No Concern-Limited Data	Hunting Bayou Tidal	3.9	8	0	
Water Temperature	Fully Supporting	Sims Bayou Tidal	6	36	0	
Water Temperature	Fully Supporting	Vince Bayou Tidal	0.6	30	0	
pH	Not Assess-Not Represent	Berry Bayou Tidal	1.5	9	1	
pH	Fully Supporting	Brays Bayou Tidal	8.5	24	0	
pH	Fully Supporting	Houston Ship Channel/Buffalo Bayou Tidal	14	123	0	
pH	Use Concern-Limited Data	Hunting Bayou Tidal	3.9	8	1	
pH	Fully Supporting	Sims Bayou Tidal	6	36	0	
pH	Fully Supporting	Vince Bayou Tidal	0.6	30	1	

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

Tidal Stream | San Jacinto River Basin | Total size: 34.5 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
General Use (continued)						
Enterococci (1006, 1007) single sample	Not Assessed	Brays Bayou Tidal	8.5	2	0	
Enterococci (1006, 1007) single sample	Not Assessed	Houston Ship Channel/Buffalo Bayou Tidal	14	2	2	
Enterococci (1006, 1007) single sample	Not Assessed	Hunting Bayou Tidal	3.9	0		
Enterococci (1006, 1007) single sample	Not Assessed	Sims Bayou Tidal	6	0		
Enterococci (1006, 1007) single sample	Not Assessed	Vince Bayou Tidal	0.6	3	1	
Enterococci (1006, 1007) geometric mean	Not Assessed	Brays Bayou Tidal	8.5	2		7
Enterococci (1006, 1007) geometric mean	Not Assessed	Houston Ship Channel/Buffalo Bayou Tidal	14	2		1,556.8
Enterococci (1006, 1007) geometric mean	Not Assessed	Hunting Bayou Tidal	3.9	0		
Enterococci (1006, 1007) geometric mean	Not Assessed	Sims Bayou Tidal	6	0		
Enterococci (1006, 1007) geometric mean	Not Assessed	Vince Bayou Tidal	0.6	3		138.5
Overall General Use	Fully Supporting	Berry Bayou Tidal	1.5			
Overall General Use	Fully Supporting	Brays Bayou Tidal	8.5			
Overall General Use	Fully Supporting	Houston Ship Channel/Buffalo Bayou Tidal	14			
Overall General Use	Not Assessed	Hunting Bayou Tidal	3.9			
Overall General Use	Fully Supporting	Sims Bayou Tidal	6			
Overall General Use	Fully Supporting	Vince Bayou Tidal	0.6			
Fish Consumption Use						
Advisories and Closures Restricted and No-Consump	Not Supporting	Berry Bayou Tidal	1.5			
Advisories and Closures Restricted and No-Consump	Not Supporting	Brays Bayou Tidal	8.5			

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

Tidal Stream | San Jacinto River Basin | Total size: 34.5 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Fish Consumption Use (continued)						
Advisories and Closures Restricted and No-Consump	Not Supporting	Houston Ship Channel/Buffalo Bayou Tidal	14			
Advisories and Closures Restricted and No-Consump	Not Supporting	Hunting Bayou Tidal	3.9			
Advisories and Closures Restricted and No-Consump	Not Supporting	Sims Bayou Tidal	6			
Advisories and Closures Restricted and No-Consump	Not Supporting	Vince Bayou Tidal	0.6			
Human Health Criteria Metals	Fully Supporting	Vince Bayou Tidal	0.6	14		
Overall Fish Consumption Use	Not Supporting	Berry Bayou Tidal	1.5			
Overall Fish Consumption Use	Not Supporting	Brays Bayou Tidal	8.5			
Overall Fish Consumption Use	Not Supporting	Houston Ship Channel/Buffalo Bayou Tidal	14			
Overall Fish Consumption Use	Not Supporting	Hunting Bayou Tidal	3.9			
Overall Fish Consumption Use	Not Supporting	Sims Bayou Tidal	6			
Overall Fish Consumption Use	Not Supporting	Vince Bayou Tidal	0.6			
Overall Use Support						
	Not Supporting	Berry Bayou Tidal	1.5			
	Not Supporting	Brays Bayou Tidal	8.5			
	Not Supporting	Houston Ship Channel/Buffalo Bayou Tidal	14			
	Not Supporting	Hunting Bayou Tidal	3.9			
	Not Supporting	Sims Bayou Tidal	6			
	Not Supporting	Vince Bayou Tidal	0.6			
Nutrient Enrichment Concern						
Ammonia Nitrogen	No Concern	Berry Bayou Tidal	1.5	49	7	
Ammonia Nitrogen	Concern	Brays Bayou Tidal	8.5	65	30	

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

Tidal Stream | San Jacinto River Basin | Total size: 34.5 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Nutrient Enrichment Concern (continued)						
Ammonia Nitrogen	Concern	Houston Ship Channel/Buffalo Bayou Tidal	14	170	50	
Ammonia Nitrogen	No Concern	Hunting Bayou Tidal	3.9	29	3	
Ammonia Nitrogen	Concern	Sims Bayou Tidal	6	78	46	
Ammonia Nitrogen	Concern	Vince Bayou Tidal	0.6	28	26	
Nitrite + Nitrate Nitrogen	Not Assessed	Berry Bayou Tidal	1.5	0		
Nitrite + Nitrate Nitrogen	Not Assessed	Brays Bayou Tidal	8.5	2	2	
Nitrite + Nitrate Nitrogen	Concern	Houston Ship Channel/Buffalo Bayou Tidal	14	78	54	
Nitrite + Nitrate Nitrogen	Not Assessed	Hunting Bayou Tidal	3.9	0		
Nitrite + Nitrate Nitrogen	Concern	Sims Bayou Tidal	6	20	19	
Nitrite + Nitrate Nitrogen	No Concern	Vince Bayou Tidal	0.6	29	4	
Orthophosphorus	Not Assessed	Berry Bayou Tidal	1.5	0		
Orthophosphorus	Not Assessed	Brays Bayou Tidal	8.5	3	1	
Orthophosphorus	Concern	Houston Ship Channel/Buffalo Bayou Tidal	14	78	41	
Orthophosphorus	Not Assessed	Hunting Bayou Tidal	3.9	0		
Orthophosphorus	Concern	Sims Bayou Tidal	6	20	17	
Orthophosphorus	Concern	Vince Bayou Tidal	0.6	28	20	
Total Phosphorus	Not Assessed	Berry Bayou Tidal	1.5	0		
Total Phosphorus	Not Assessed	Brays Bayou Tidal	8.5	4	2	
Total Phosphorus	Concern	Houston Ship Channel/Buffalo Bayou Tidal	14	78	33	
Total Phosphorus	Not Assessed	Hunting Bayou Tidal	3.9	0		
Total Phosphorus	Concern	Sims Bayou Tidal	6	20	15	
Total Phosphorus	Concern	Vince Bayou Tidal	0.6	29	22	
Overall Nutrient Enrichment Concerns	No Concern	Berry Bayou Tidal	1.5			
Overall Nutrient Enrichment Concerns	Concern	Brays Bayou Tidal	8.5			

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

Tidal Stream | San Jacinto River Basin | Total size: 34.5 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Nutrient Enrichment Concern (continued)						
Overall Nutrient Enrichment Concerns	Concern	Houston Ship Channel/Buffalo Bayou Tidal	14			
Overall Nutrient Enrichment Concerns	No Concern	Hunting Bayou Tidal	3.9			
Overall Nutrient Enrichment Concerns	Concern	Sims Bayou Tidal	6			
Overall Nutrient Enrichment Concerns	Concern	Vince Bayou Tidal	0.6			
Algal Growth Concern						
Chlorophyll a	Not Assessed	Berry Bayou Tidal	1.5	0		
Chlorophyll a	Not Assessed	Brays Bayou Tidal	8.5	2	0	
Chlorophyll a	No Concern	Houston Ship Channel/Buffalo Bayou Tidal	14	78	3	
Chlorophyll a	Not Assessed	Hunting Bayou Tidal	3.9	0		
Chlorophyll a	No Concern	Sims Bayou Tidal	6	20	3	
Chlorophyll a	No Concern	Vince Bayou Tidal	0.6	29	3	
Sediment Contaminants Concern						
PEL Metals in sediment Zinc	Not Assessed	Vince Bayou Tidal	0.6	7	3	
85% Metals in sediment Arsenic	Not Assessed	Vince Bayou Tidal	0.6	7	2	
85% Metals in sediment Cadmium	Concern	Houston Ship Channel/Buffalo Bayou Tidal	14	10	5	
85% Metals in sediment Cadmium	Not Assessed	Vince Bayou Tidal	0.6	6	3	
85% Metals in sediment Copper	Concern	Houston Ship Channel/Buffalo Bayou Tidal	14	11	5	
85% Metals in sediment Copper	Not Assessed	Vince Bayou Tidal	0.6	7	3	
85% Metals in sediment Nickel	No Concern	Houston Ship Channel/Buffalo Bayou Tidal	14	11	2	
85% Metals in sediment Silver	Not Assessed	Vince Bayou Tidal	0.6	7	3	
85% Metals in sediment Zinc	Concern	Houston Ship Channel/Buffalo Bayou Tidal	14	11	5	
85% Metals in sediment Zinc	Not Assessed	Vince Bayou Tidal	0.6	7	3	
Organics in sediment	Not Assessed	Houston Ship Channel/Buffalo Bayou Tidal	14	2		

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

Tidal Stream | San Jacinto River Basin | Total size: 34.5 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Sediment Contaminants Concern (continued)						
Overall Sediment Contaminant Concerns	Not Assessed	Berry Bayou Tidal	1.5			
Overall Sediment Contaminant Concerns	Not Assessed	Brays Bayou Tidal	8.5			
Overall Sediment Contaminant Concerns	Concern	Houston Ship Channel/Buffalo Bayou Tidal	14			
Overall Sediment Contaminant Concerns	Not Assessed	Hunting Bayou Tidal	3.9			
Overall Sediment Contaminant Concerns	Not Assessed	Sims Bayou Tidal	6			
Overall Sediment Contaminant Concerns	Not Assessed	Vince Bayou Tidal	0.6			
Fish Tissue Contaminants Concern						
Metals in fish tissue	Not Assessed	Houston Ship Channel/Buffalo Bayou Tidal	14	9	0	
Organics in fish tissue Chlordane	Not Assessed	Houston Ship Channel/Buffalo Bayou Tidal	14	9	3	
Organics in fish tissue Dieldrin	Not Assessed	Houston Ship Channel/Buffalo Bayou Tidal	14	9	2	
Overall Fish Tissue Contaminant Concerns	Not Assessed	Berry Bayou Tidal	1.5			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Brays Bayou Tidal	8.5			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Houston Ship Channel/Buffalo Bayou Tidal	14			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Hunting Bayou Tidal	3.9			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Sims Bayou Tidal	6			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Vince Bayou Tidal	0.6			

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

Tidal Stream | San Jacinto River Basin | Total size: 34.5 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Narrative Criteria Concern						
Fecal coliform single sample	Concern	Berry Bayou Tidal	1.5	59	53	
Fecal coliform geometric mean	Concern	Berry Bayou Tidal	1.5	59		2,380
Overall Narrative Criteria Concerns	Concern	Berry Bayou Tidal	1.5			
Overall Narrative Criteria Concerns	No Concern	Brays Bayou Tidal	8.5			
Overall Narrative Criteria Concerns	No Concern	Houston Ship Channel/Buffalo Bayou Tidal	14			
Overall Narrative Criteria Concerns	No Concern	Hunting Bayou Tidal	3.9			
Overall Narrative Criteria Concerns	No Concern	Sims Bayou Tidal	6			
Overall Narrative Criteria Concerns	No Concern	Vince Bayou Tidal	0.6			
Overall Secondary Concern						
	Concern	Berry Bayou Tidal	1.5			
	Concern	Brays Bayou Tidal	8.5			
	Concern	Houston Ship Channel/Buffalo Bayou Tidal	14			
	No Concern	Hunting Bayou Tidal	3.9			
	Concern	Sims Bayou Tidal	6			
	Concern	Vince Bayou Tidal	0.6			