Segment ID: 1006 **Water body name:** Houston Ship Channel Tidal

Tidal Stream | San Jacinto River Basin | Total size: 25.6 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life Use						
Dissolved Oxygen grab average	No Concern	Goodyear Creek Tidal	1.6	41	1	
Dissolved Oxygen grab average	No Concern	Greens Bayou Tidal	15.5	47	0	
Dissolved Oxygen grab average	No Concern	Houston Ship Channel Tidal	6	71	0	
Dissolved Oxygen grab average	No Concern	Patrick Bayou Tidal	2.5	10	0	
Dissolved Oxygen grab minimum	Fully Supporting	Goodyear Creek Tidal	1.6	41	1	
Dissolved Oxygen grab minimum	Fully Supporting	Greens Bayou Tidal	15.5	47	0	
Dissolved Oxygen grab minimum	Fully Supporting	Houston Ship Channel Tidal	6	71	0	
Dissolved Oxygen grab minimum	Fully Supporting	Patrick Bayou Tidal	2.5	10	0	
Dissolved Oxygen 24hr average	Not Assessed	Goodyear Creek Tidal	1.6	0		
Dissolved Oxygen 24hr average	Not Assessed	Greens Bayou Tidal	15.5	0		
Dissolved Oxygen 24hr average	Not Assess-Not Represent	Houston Ship Channel Tidal	6	5	0	
Dissolved Oxygen 24hr average	Not Assessed	Patrick Bayou Tidal	2.5	0		
Dissolved Oxygen 24hr minimum	Not Assessed	Goodyear Creek Tidal	1.6	0		
Dissolved Oxygen 24hr minimum	Not Assessed	Greens Bayou Tidal	15.5	0		
Dissolved Oxygen 24hr minimum	Not Assess-Not Represent	Houston Ship Channel Tidal	6	5	0	
Dissolved Oxygen 24hr minimum	Not Assessed	Patrick Bayou Tidal	2.5	0		
Acute Metals in water	Fully Supporting	Houston Ship Channel Tidal	6	26		
Acute Metals in water Copper	Fully Supporting	Patrick Bayou Tidal	2.5	35	0	
Acute Metals in water Metals	No Concern-Limited Data	Patrick Bayou Tidal	2.5	7		
Chronic Metals in water	Fully Supporting	Houston Ship Channel Tidal	6	26		
Chronic Metals in water Copper	Fully Supporting	Patrick Bayou Tidal	2.5	35		3.7
Chronic Metals in water Metals	No Concern-Limited Data	Patrick Bayou Tidal	2.5	7		
Acute Organics in water	Not Assessed	Houston Ship Channel Tidal	6	3		

Segment ID: 1006 **Water body name:** Houston Ship Channel Tidal

Tidal Stream | San Jacinto River Basin | Total size: 25.6 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life Use (continued)						
Chronic Organics in water	Not Assessed	Houston Ship Channel Tidal	6	3		
Chronic Toxicity tests in water	Fully Supporting	Patrick Bayou Tidal	2.5	19	0	
Chronic Toxicity tests in sediment	No Concern-Limited Data	Houston Ship Channel Tidal	6	4	0	
Chronic Toxicity tests in sediment	Not Supporting	Patrick Bayou Tidal	2.5	16	7	
Overall Aquatic Life Use	Fully Supporting	Goodyear Creek Tidal	1.6			
Overall Aquatic Life Use	Fully Supporting	Greens Bayou Tidal	15.5			
Overall Aquatic Life Use	Fully Supporting	Houston Ship Channel Tidal	6			
Overall Aquatic Life Use	Not Supporting	Patrick Bayou Tidal	2.5			
General Use						
Water Temperature	Not Assess-Not Represent	Goodyear Creek Tidal	1.6	7	1	
Water Temperature	Fully Supporting	Greens Bayou Tidal	15.5	22	0	
Water Temperature	Fully Supporting	Houston Ship Channel Tidal	6	73	0	
Water Temperature	Partially Supporting	Patrick Bayou Tidal	2.5	11	3	
pH	Fully Supporting	Goodyear Creek Tidal	1.6	41	0	
pH	Fully Supporting	Greens Bayou Tidal	15.5	22	2	
pH	Fully Supporting	Houston Ship Channel Tidal	6	72	0	
pH	Fully Supporting	Patrick Bayou Tidal	2.5	11	0	
Enterococci (1006, 1007) single sample	Not Assessed	Greens Bayou Tidal	15.5	2	1	
Enterococci (1006, 1007) single sample	Not Assessed	Houston Ship Channel Tidal	6	2	1	
Enterococci (1006, 1007) single sample	Not Assessed	Patrick Bayou Tidal	2.5	1	0	
Enterococci (1006, 1007) geometric mean	Not Assessed	Greens Bayou Tidal	15.5	2		227

Segment ID: 1006 **Water body name:** Houston Ship Channel Tidal

Tidal Stream | San Jacinto River Basin | Total size: 25.6 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
General Use (continued)						
Enterococci (1006, 1007) geometric mean	Not Assessed	Houston Ship Channel Tidal	6	2		547.8
Enterococci (1006, 1007) geometric mean	Not Assessed	Patrick Bayou Tidal	2.5	1		
Overall General Use	Fully Supporting	Goodyear Creek Tidal	1.6			
Overall General Use	Fully Supporting	Greens Bayou Tidal	15.5			
Overall General Use	Fully Supporting	Houston Ship Channel Tidal	6			
Overall General Use	Partially Supporting	Patrick Bayou Tidal	2.5			
Fish Consumption Use						
Advisories and Closures Restricted and No-Consump	Not Supporting	Goodyear Creek Tidal	1.6			
Advisories and Closures Restricted and No-Consump	Not Supporting	Greens Bayou Tidal	15.5			
Advisories and Closures Restricted and No-Consump	Not Supporting	Houston Ship Channel Tidal	6			
Advisories and Closures Restricted and	Not Supporting	Patrick Bayou Tidal	2.5			
Human Health Criteria	No Concern-Limited Data	Patrick Bayou Tidal	2.5	5		
Human Health Criteria Mercury	Use Concern-Limited Data	Patrick Bayou Tidal	2.5	4		0.099
Human Health Criteria Metals	Fully Supporting	Houston Ship Channel Tidal	6	26		
Human Health Criteria Organics	Not Assessed	Houston Ship Channel Tidal	6	3		
Overall Fish Consumption Use	Not Supporting	Goodyear Creek Tidal	1.6			
Overall Fish Consumption Use	Not Supporting	Greens Bayou Tidal	15.5			
Overall Fish Consumption Use	Not Supporting	Houston Ship Channel Tidal	6			
Overall Fish Consumption Use	Not Supporting	Patrick Bayou Tidal	2.5			

Segment ID: 1006 **Water body name:** Houston Ship Channel Tidal

Tidal Stream | San Jacinto River Basin | Total size: 25.6 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Overall Use Support						
	Not Supporting	Goodyear Creek Tidal	1.6			
	Not Supporting	Greens Bayou Tidal	15.5			
	Not Supporting	Houston Ship Channel Tidal	6			
	Not Supporting	Patrick Bayou Tidal	2.5			
Nutrient Enrichment Concern						
Ammonia Nitrogen	Concern	Goodyear Creek Tidal	1.6	52	32	
Ammonia Nitrogen	No Concern	Greens Bayou Tidal	15.5	89	1	
Ammonia Nitrogen	No Concern	Houston Ship Channel Tidal	6	96	21	
Ammonia Nitrogen	No Concern	Patrick Bayou Tidal	2.5	12	1	
Nitrite + Nitrate Nitrogen	Not Assessed	Goodyear Creek Tidal	1.6	0		
Nitrite + Nitrate Nitrogen	Not Assessed	Greens Bayou Tidal	15.5	8	5	
Nitrite + Nitrate Nitrogen	Concern	Houston Ship Channel Tidal	6	39	15	
Nitrite + Nitrate Nitrogen	No Concern	Patrick Bayou Tidal	2.5	11	3	
Orthophosphorus	Not Assessed	Goodyear Creek Tidal	1.6	0		
Orthophosphorus	Not Assessed	Greens Bayou Tidal	15.5	8	5	
Orthophosphorus	No Concern	Houston Ship Channel Tidal	6	38	4	
Orthophosphorus	No Concern	Patrick Bayou Tidal	2.5	11	1	
Total Phosphorus	Not Assessed	Goodyear Creek Tidal	1.6	0		
Total Phosphorus	Not Assessed	Greens Bayou Tidal	15.5	8	3	
Total Phosphorus	No Concern	Houston Ship Channel Tidal	6	38	6	
Total Phosphorus	No Concern	Patrick Bayou Tidal	2.5	12	1	
Overall Nutrient Enrichment Concerns	Concern	Goodyear Creek Tidal	1.6			
Overall Nutrient Enrichment Concerns	No Concern	Greens Bayou Tidal	15.5			
Overall Nutrient Enrichment Concerns	Concern	Houston Ship Channel Tidal	6			

Segment ID: 1006 **Water body name:** Houston Ship Channel Tidal

Tidal Stream | San Jacinto River Basin | Total size: 25.6 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	No Concern	Patrick Bayou Tidal	2.5			
Algal Growth Concern						
Chlorophyll a	Not Assessed	Goodyear Creek Tidal	1.6	0		
Chlorophyll a	Not Assessed	Greens Bayou Tidal	15.5	8	1	
Chlorophyll a	No Concern	Houston Ship Channel Tidal	6	39	0	
Chlorophyll a	No Concern	Patrick Bayou Tidal	2.5	12	0	
Sediment Contaminants Concern						
PEL Metals in sediment Mercury	Concern	Patrick Bayou Tidal	2.5	17	15	
PEL Metals in sediment Zinc	Concern	Patrick Bayou Tidal	2.5	15	9	
85% Metals in sediment Barium	Concern	Patrick Bayou Tidal	2.5	18	15	
85% Metals in sediment Chromium	Concern	Patrick Bayou Tidal	2.5	15	12	
85% Metals in sediment Copper	Concern	Patrick Bayou Tidal	2.5	15	13	
85% Metals in sediment Mercury	Concern	Patrick Bayou Tidal	2.5	17	17	
85% Metals in sediment Nickel	Concern	Patrick Bayou Tidal	2.5	14	11	
85% Metals in sediment Zinc	Concern	Patrick Bayou Tidal	2.5	15	13	
Metals in sediment	Not Assessed	Houston Ship Channel Tidal	6	5		
PEL Organics in sediment Acenaphthene	Concern	Patrick Bayou Tidal	2.5	24	23	
PEL Organics in sediment Acenaphthylene	Concern	Patrick Bayou Tidal	2.5	26	26	
PEL Organics in sediment Anthracene	Concern	Patrick Bayou Tidal	2.5	24	23	
PEL Organics in sediment Benzo(a)anthracene	Concern	Patrick Bayou Tidal	2.5	23	21	
PEL Organics in sediment Benzo(a)pyrene	Concern	Patrick Bayou Tidal	2.5	22	21	
PEL Organics in sediment Chrysene	Concern	Patrick Bayou Tidal	2.5	22	20	

Segment ID: 1006 **Water body name:** Houston Ship Channel Tidal

Tidal Stream | San Jacinto River Basin | Total size: 25.6 Miles

Sediment Contaminants Concern (continued)

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
PEL Organics in sediment DDT	Not Assessed	Houston Ship Channel Tidal	6	2	1	
PEL Organics in sediment Fluoranthene	Concern	Patrick Bayou Tidal	2.5	23	22	
PEL Organics in sediment Fluorene	Concern	Patrick Bayou Tidal	2.5	22	21	
PEL Organics in sediment Naphthalene	Concern	Patrick Bayou Tidal	2.5	14	12	
PEL Organics in sediment Phenanthrene	Concern	Patrick Bayou Tidal	2.5	28	26	
PEL Organics in sediment Pyrene	Concern	Patrick Bayou Tidal	2.5	29	28	
85% Organics in sediment 1,3-Dichlorobenzene	Concern	Patrick Bayou Tidal	2.5	11	9	
85% Organics in sediment Acenaphthene	No Concern	Patrick Bayou Tidal	2.5	24	3	
85% Organics in sediment Acenaphthylene	Concern	Patrick Bayou Tidal	2.5	26	13	
85% Organics in sediment Anthracene	Concern	Patrick Bayou Tidal	2.5	24	7	
85% Organics in sediment Benzo(a)anthracene	Concern	Patrick Bayou Tidal	2.5	23	7	
85% Organics in sediment Benzo(a)pyrene	Concern	Patrick Bayou Tidal	2.5	22	9	
85% Organics in sediment Benzo(b)fluoranthene	Concern	Patrick Bayou Tidal	2.5	10	10	
85% Organics in sediment Benzo(ghi)perylene	Not Assessed	Patrick Bayou Tidal	2.5	9	7	
85% Organics in sediment	Concern	Patrick Bayou Tidal	2.5	11	7	
85% Organics in sediment Chrysene	Concern	Patrick Bayou Tidal	2.5	22	10	
85% Organics in sediment DDT	Not Assessed	Houston Ship Channel Tidal	6	2	1	
85% Organics in sediment Fluoranthene	Concern	Patrick Bayou Tidal	2.5	23	18	
85% Organics in sediment Fluorene	No Concern	Patrick Bayou Tidal	2.5	22	5	
85% Organics in sediment Hexachlorobenzene	Concern	Patrick Bayou Tidal	2.5	17	17	

Segment ID: 1006 **Water body name:** Houston Ship Channel Tidal

Tidal Stream | San Jacinto River Basin | Total size: 25.6 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Sediment Contaminants Concern (continued)						
85% Organics in sediment Hexachlorobutadiene	Concern	Patrick Bayou Tidal	2.5	13	13	
85% Organics in sediment Naphthalene	No Concern	Patrick Bayou Tidal	2.5	14	4	
85% Organics in sediment Phenanthrene	Concern	Patrick Bayou Tidal	2.5	28	16	
85% Organics in sediment Pyrene	Concern	Patrick Bayou Tidal	2.5	29	22	
85% Organics in sediment bis(2ethylhexyl)phthalate	Concern	Patrick Bayou Tidal	2.5	11	9	
Overall Sediment Contaminant Concerns	Not Assessed	Goodyear Creek Tidal	1.6			
Overall Sediment Contaminant Concerns	Not Assessed	Greens Bayou Tidal	15.5			
Overall Sediment Contaminant Concerns	Not Assessed	Houston Ship Channel Tidal	6			
Overall Sediment Contaminant Concerns	Concern	Patrick Bayou Tidal	2.5			
Fish Tissue Contaminants Concern						
Metals in fish tissue	Not Assessed	Houston Ship Channel Tidal	6	1		
Organics in fish tissue	Not Assessed	Houston Ship Channel Tidal	6	1		
Overall Fish Tissue Contaminant	Not Assessed	Goodyear Creek Tidal	1.6			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Greens Bayou Tidal	15.5			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Houston Ship Channel Tidal	6			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Patrick Bayou Tidal	2.5			

Segment ID: 1006 **Water body name:** Houston Ship Channel Tidal

Tidal Stream | San Jacinto River Basin | Total size: 25.6 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	Goodyear Creek Tidal	1.6	60	59	
Fecal coliform geometric mean	Concern	Goodyear Creek Tidal	1.6	60		45,721
Overall Narrative Criteria Concerns	Concern	Goodyear Creek Tidal	1.6			
Overall Narrative Criteria Concerns	No Concern	Greens Bayou Tidal	15.5			
Overall Narrative Criteria Concerns	No Concern	Houston Ship Channel Tidal	6			
Overall Narrative Criteria Concerns	No Concern	Patrick Bayou Tidal	2.5			
Overall Secondary Concern						
	Concern	Goodyear Creek Tidal	1.6			
	No Concern	Greens Bayou Tidal	15.5			
	Concern	Houston Ship Channel Tidal	6			
	Concern	Patrick Bayou Tidal	2.5			