

Segment ID: 2421 **Water body name:** Upper Galveston Bay

Estuary

Bays and Estuaries

Total size:

108.2

Sq. 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	Entire Segment	108.2	153	1	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Entire Segment	108.2	153	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	Entire Segment	108.2	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Entire Segment	108.2	0		
2002	Acute Metals in water	Not Assess-Not Represent	Entire Segment	108.2	8		
2002	Chronic Metals in water	Not Assess-Not Represent	Entire Segment	108.2	8		
2002	Overall Aquatic Life Use	Fully Supporting	Entire Segment	108.2			

Contact Recreation Use

2002	Enterococci single sample	Not Assessed	Entire Segment	108.2	0		
2002	Enterococci geometric mean	Not Assessed	Entire Segment	108.2	0		
2002	Fecal coliform single sample	Fully Supporting	Entire Segment	108.2	1841	71	
2002	Fecal coliform geometric mean	Fully Supporting	Entire Segment	108.2	1841		10
2002	Overall Recreation Use	Fully Supporting	Entire Segment	108.2			

General Use

2002	Water Temperature	Fully Supporting	Entire Segment	108.2	154	0	
2002	pH	Fully Supporting	Entire Segment	108.2	153	4	
2002	Overall General Use	Fully Supporting	Entire Segment	108.2			

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Fish Consumption Use							
2002	Advisories and Closures Restricted and No-Consump	Not Supporting	Red Bluff to Five Mile Cut to Houston Point to Morgans Point	22			
2004	Advisories and Closures Restricted and No-Consump	Not Supporting	Red Bluff to Five Mile Cut to Houston Point to Morgans Point	22			
2004	Overall Fish Consumption Use	Not Supporting	Red Bluff to Five Mile Cut to Houston Point to Morgans Point	22			
2002	Overall Fish Consumption Use	Not Assessed	Remainder of Segment	86.2			
Oyster Waters Use							
2002	TDH Maps	Use Concern	Area east of a line from Eagle Point to Five Mile Pass to Houston Point(OW)	20.6			
2002	TDH Maps	Not Supporting	Area west of a line from Eagle Point to Five Mile Pass to Houston Point(OW)	59.5			
2002	TDH Maps	Fully Supporting	Remainder of bay	28.1			
Overall Use Support							
2002		Fully Supporting	Area east of a line from Eagle Point to Five Mile Pass to Houston Point(OW)	20.6			
2002		Not Supporting	Area west of a line from Eagle Point to Five Mile Pass to Houston Point(OW)	59.5			
2002		Fully Supporting	Remainder of bay	28.1			
Nutrient Enrichment Concern							
2002	Ammonia Nitrogen	No Concern	Entire Segment	108.2	151	15	
2002	Nitrite + Nitrate Nitrogen	No Concern	Entire Segment	108.2	142	38	
2002	Orthophosphorus	No Concern	Entire Segment	108.2	142	22	
2002	Total Phosphorus	Concern	Entire Segment	108.2	147	48	

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Nutrient Enrichment Concern (continued)

2002	Overall Nutrient Enrichment Concerns	Concern	Entire Segment	108.2			
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Algal Growth Concern

2002	Chlorophyll a	No Concern	Entire Segment	108.2	152	23	
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Sediment Contaminants Concern

2002	85% Metals in sediment Arsenic	No Concern	Entire Segment	108.2	16	4	
2002	85% Metals in sediment Barium	No Concern	Entire Segment	108.2	16	3	
2002	85% Metals in sediment Chromium	No Concern	Entire Segment	108.2	16	3	
2002	85% Metals in sediment Lead	No Concern	Entire Segment	108.2	16	3	
2002	85% Metals in sediment Nickel	No Concern	Entire Segment	108.2	16	3	

2002	Organics in sediment	Not Assessed	Entire Segment	108.2	8		
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2002	Overall Sediment Contaminant Concerns	No Concern	Entire Segment	108.2			
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Fish Tissue Contaminants Concern

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Entire Segment	108.2			
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Narrative Criteria Concern

2002	Overall Narrative Criteria Concerns	No Concern	Entire Segment	108.2			
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Overall Secondary Concern

2002		Concern	Entire Segment	108.2			
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