

Segment ID: 2439 **Water body name:** Lower Galveston Bay

Estuary	Bays and Estuaries	Total size:	139.6	Sq. miles
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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	139.6	349	1	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Entire segment	139.6	349	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	Entire segment	139.6	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Entire segment	139.6	0		
2002	Acute Metals in water	Not Assess-Not Represent	Entire segment	139.6	12		
2002	Acute Metals in water Copper	Fully Supporting	Area around Smith and Eagle Points near Redfish Island	8	18	0	
2002	Chronic Metals in water	Not Assess-Not Represent	Entire segment	139.6	12		
2002	Chronic Metals in water Copper	Fully Supporting	Area around Smith and Eagle Points near Redfish Island	8	18		1.96
2002	Overall Aquatic Life Use	Fully Supporting	Entire segment	139.6			

Contact Recreation Use

2002	Enterococci single sample	Fully Supporting	Entire segment	139.6	97	5	
2002	Enterococci geometric mean	Fully Supporting	Entire segment	139.6	97		4
2002	Fecal coliform single sample	Fully Supporting	Entire segment	139.6	2328	42	
2002	Fecal coliform geometric mean	Fully Supporting	Entire segment	139.6	2328		6
2002	Overall Recreation Use	Fully Supporting	Entire segment	139.6			

General Use

2002	Water Temperature	Fully Supporting	Entire segment	139.6	355	0	
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General Use (continued)

2002	pH	Fully Supporting	Entire segment	139.6	348	2	
2002	Overall General Use	Fully Supporting	Entire segment	139.6			

Fish Consumption Use

2002	Advisories and Closures Risk Assess.- No Advisory	Fully Supporting	Entire segment	139.6			
2002	Human Health Criteria Metals	Not Assess-Not Represent	Entire segment	139.6	12		
2002	Overall Fish Consumption Use	Fully Supporting	Entire segment	139.6			

Oyster Waters Use

2002	TDH Maps	Use Concern	13.8 square miles northeast of Texas City (OW)	13.8			
2002	TDH Maps	Not Supporting	60.7 square miles from Galveston to Texas City to Port Bolivar (OW)	60.7			
2002	TDH Maps	Fully Supporting	65.1 square miles in the eastern half of segment and east of Texas City (OW)	65.1			

Overall Use Support

2002		Fully Supporting	13.8 square miles northeast of Texas City (OW)	13.8			
2002		Not Supporting	60.7 square miles from Galveston to Texas City to Port Bolivar (OW)	60.7			
2002		Fully Supporting	65.1 square miles in the eastern half of segment and east of Texas City (OW)	65.1			

Nutrient Enrichment Concern

2002	Ammonia Nitrogen	No Concern	Entire segment	139.6	241	4	
2002	Nitrite + Nitrate Nitrogen	No Concern	Entire segment	139.6	241	57	

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Nutrient Enrichment Concern (continued)

2002	Orthophosphorus	No Concern	Entire segment	139.6	228	3	
2002	Total Phosphorus	No Concern	Entire segment	139.6	241	12	
2002	Overall Nutrient Enrichment Concerns	No Concern	Entire segment	139.6			

Algal Growth Concern

2002	Chlorophyll a	No Concern	Entire segment	139.6	238	31	
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Sediment Contaminants Concern

2002	85% Metals in sediment Arsenic	No Concern	Entire segment	139.6	23	3	
2002	PEL Organics in sediment PCBs	No Concern	Entire segment	139.6	11	2	
2002	85% Organics in sediment PCBs	No Concern	Entire segment	139.6	11	2	
2002	Organics in sediment	No Concern	Entire segment	139.6	15		
2002	Overall Sediment Contaminant Concerns	No Concern	Entire segment	139.6			

Fish Tissue Contaminants Concern

2002	Metals in fish tissue	Not Assessed	Entire segment	139.6	1		
2002	Organics in fish tissue	Not Assessed	Entire segment	139.6	1		
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Entire segment	139.6			

Narrative Criteria Concern

2002	Overall Narrative Criteria Concerns	No Concern	Entire segment	139.6			
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Overall Secondary Concern

2002		No Concern	Entire segment	139.6			
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