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

Estuary | Bays and Estuaries | Total size: 139.6 Sq. 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	Entire segment	139.6	349	1	
Dissolved Oxygen grab minimum	Fully Supporting	Entire segment	139.6	349	0	
Dissolved Oxygen 24hr average	Not Assessed	Entire segment	139.6	0		
Dissolved Oxygen 24hr minimum	Not Assessed	Entire segment	139.6	0		
Acute Metals in water	Not Assess-Not Represent	Entire segment	139.6	12		
Acute Metals in water Copper	Fully Supporting	Area around Smith and Eagle Points near Redfish Island	8	18	0	
Chronic Metals in water	Not Assess-Not Represent	Entire segment	139.6	12		
Chronic Metals in water Copper	Fully Supporting	Area around Smith and Eagle Points near Redfish Island	8	18		1.96
Overall Aquatic Life Use	Fully Supporting	Entire segment	139.6			
Contact Recreation Use						
Enterococci single sample	Fully Supporting	Entire segment	139.6	97	5	
Enterococci geometric mean	Fully Supporting	Entire segment	139.6	97		4
Fecal coliform single sample	Fully Supporting	Entire segment	139.6	2328	42	
Fecal coliform geometric mean	Fully Supporting	Entire segment	139.6	2328		6
Overall Recreation Use	Fully Supporting	Entire segment	139.6			
General Use						
Water Temperature	Fully Supporting	Entire segment	139.6	355	0	
pH	Fully Supporting	Entire segment	139.6	348	2	

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Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
General Use (continued)						
Overall General Use	Fully Supporting	Entire segment	139.6			
Fish Consumption Use						
Advisories and Closures Risk Assess.-No Advisory	Fully Supporting	Entire segment	139.6			
Human Health Criteria Metals	Not Assess-Not Represent	Entire segment	139.6	12		
Overall Fish Consumption Use	Fully Supporting	Entire segment	139.6			
Oyster Waters Use						
TDH Maps	Use Concern	13.8 square miles northeast of Texas City	13.8			
TDH Maps	Not Supporting	60.7 square miles from Galveston to Texas City to Port Bolivar	60.7			
TDH Maps	Fully Supporting	65.1 square miles in the eastern half of segment and east of Texas City	65.1			
Overall Use Support						
	Fully Supporting	13.8 square miles northeast of Texas City	13.8			
	Not Supporting	60.7 square miles from Galveston to Texas City to Port Bolivar	60.7			
	Fully Supporting	65.1 square miles in the eastern half of segment and east of Texas City	65.1			
Nutrient Enrichment Concern						
Ammonia Nitrogen	No Concern	Entire segment	139.6	241	4	
Nitrite + Nitrate Nitrogen	No Concern	Entire segment	139.6	241	57	
Orthophosphorus	No Concern	Entire segment	139.6	228	3	
Total Phosphorus	No Concern	Entire segment	139.6	241	12	

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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	Entire segment	139.6			
Algal Growth Concern						
Chlorophyll a	No Concern	Entire segment	139.6	238	31	
Sediment Contaminants Concern						
85% Metals in sediment Arsenic	No Concern	Entire segment	139.6	23	3	
PEL Organics in sediment PCBs	No Concern	Entire segment	139.6	11	2	
85% Organics in sediment PCBs	No Concern	Entire segment	139.6	11	2	
Organics in sediment	No Concern	Entire segment	139.6	15		
Overall Sediment Contaminant Concerns	No Concern	Entire segment	139.6			
Fish Tissue Contaminants Concern						
Metals in fish tissue	Not Assessed	Entire segment	139.6	1		
Organics in fish tissue	Not Assessed	Entire segment	139.6	1		
Overall Fish Tissue Contaminant Concerns	Not Assessed	Entire segment	139.6			
Narrative Criteria Concern						
Overall Narrative Criteria Concerns	No Concern	Entire segment	139.6			
Overall Secondary Concern						
	No Concern	Entire segment	139.6			