

Segment ID: 2453 **Water body name: Lavaca Bay/Chocolate Bay**

Estuary		Bays and Estuaries		Total size:	54.8	Sq. miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life Use (continued)							
2002	Chronic Metals in water	No Concern-Limited Data	Upper bay	18.8	5		
2002	Acute Organics in water	Not Assessed	Point Comfort area	2.5	1		
2002	Acute Organics in water	Not Assessed	Upper bay	18.8	1		
2002	Chronic Organics in water	Not Assessed	Point Comfort area	2.5	1		
2002	Chronic Organics in water	Not Assessed	Upper bay	18.8	1		
2002	Overall Aquatic Life Use	Fully Supporting	Gallinipper Point to SH 35	15.5			
2002	Overall Aquatic Life Use	Fully Supporting	Mouth of bay to Gallinipper Point	18			
2002	Overall Aquatic Life Use	Fully Supporting	Point Comfort area	2.5			
2002	Overall Aquatic Life Use	Fully Supporting	Upper bay	18.8			
Contact Recreation Use							
2002	Enterococci single sample	Not Assessed	Gallinipper Point to SH 35	15.5	0		
2002	Enterococci single sample	Not Assessed	Mouth of bay to Gallinipper Point	18	0		
2002	Enterococci single sample	Not Assessed	Point Comfort area	2.5	0		
2002	Enterococci single sample	Not Assessed	Upper bay	18.8	0		
2002	Enterococci geometric mean	Not Assessed	Gallinipper Point to SH 35	15.5	0		
2002	Enterococci geometric mean	Not Assessed	Mouth of bay to Gallinipper Point	18	0		
2002	Enterococci geometric mean	Not Assessed	Point Comfort area	2.5	0		
2002	Enterococci geometric mean	Not Assessed	Upper bay	18.8	0		
2002	Fecal coliform single sample	Fully Supporting	Gallinipper Point to SH 35	15.5	373	3	
2002	Fecal coliform single sample	Fully Supporting	Mouth of bay to Gallinipper Point	18	276	0	
2002	Fecal coliform single sample	Fully Supporting	Point Comfort area	2.5	117	0	
2002	Fecal coliform single sample	Fully Supporting	Upper bay	18.8	664	6	

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Fish Consumption Use (continued)

2002	Advisories and Closures Aquatic Life Closure	Not Supporting	Point Comfort area	2.5			
2002	Human Health Criteria	No Concern-Limited Data	Point Comfort area	2.5	5		
2002	Human Health Criteria	Fully Supporting	Upper bay	18.8	10		
2002	Human Health Criteria Metals	Not Assessed	Mouth of bay to Gallinipper Point	18	2		
2002	Overall Fish Consumption Use	Not Assessed	Gallinipper Point to SH 35	15.5			
2002	Overall Fish Consumption Use	Not Assessed	Mouth of bay to Gallinipper Point	18			
2002	Overall Fish Consumption Use	Not Supporting	Point Comfort area	2.5			
2002	Overall Fish Consumption Use	Fully Supporting	Upper bay	18.8			

Oyster Waters Use

2002	TDH Maps	Fully Supporting	38.1 square miles in the remainder of the bay	38.1			
2002	TDH Maps	Not Supporting	North end near Lavaca R. confl, near Port Lavaca, Pt Comfort, Chocolate Bay	16.7			

Overall Use Support

2002		Fully Supporting	38.1 square miles in the remainder of the bay	38.1			
2002		Not Supporting	North end near Lavaca R. confl, near Port Lavaca, Pt Comfort, Chocolate Bay	16.7			

Nutrient Enrichment Concern

2002	Ammonia Nitrogen	No Concern	Gallinipper Point to SH 35	15.5	18	0	
2002	Ammonia Nitrogen	No Concern	Mouth of bay to Gallinipper Point	18	20	1	
2002	Ammonia Nitrogen	No Concern	Point Comfort area	2.5	20	1	
2002	Ammonia Nitrogen	No Concern	Upper bay	18.8	22	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	Gallinipper Point to SH 35	15.5	18	2	

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Nutrient Enrichment Concern (continued)

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
2002	Nitrite + Nitrate Nitrogen	No Concern	Mouth of bay to Gallinipper Point	18	20	3	
2002	Nitrite + Nitrate Nitrogen	No Concern	Point Comfort area	2.5	20	2	
2002	Nitrite + Nitrate Nitrogen	No Concern	Upper bay	18.8	45	8	
2002	Orthophosphorus	No Concern	Gallinipper Point to SH 35	15.5	17	0	
2002	Orthophosphorus	No Concern	Mouth of bay to Gallinipper Point	18	18	0	
2002	Orthophosphorus	No Concern	Point Comfort area	2.5	18	0	
2002	Orthophosphorus	No Concern	Upper bay	18.8	44	2	
2002	Total Phosphorus	No Concern	Gallinipper Point to SH 35	15.5	17	0	
2002	Total Phosphorus	No Concern	Mouth of bay to Gallinipper Point	18	20	0	
2002	Total Phosphorus	No Concern	Point Comfort area	2.5	20	0	
2002	Total Phosphorus	No Concern	Upper bay	18.8	22	2	
2002	Overall Nutrient Enrichment Concerns	No Concern	Gallinipper Point to SH 35	15.5			
2002	Overall Nutrient Enrichment Concerns	No Concern	Mouth of bay to Gallinipper Point	18			
2002	Overall Nutrient Enrichment Concerns	No Concern	Point Comfort area	2.5			
2002	Overall Nutrient Enrichment Concerns	No Concern	Upper bay	18.8			

Algal Growth Concern

2002	Chlorophyll a	No Concern	Gallinipper Point to SH 35	15.5	18	1	
2002	Chlorophyll a	No Concern	Mouth of bay to Gallinipper Point	18	20	2	
2002	Chlorophyll a	No Concern	Point Comfort area	2.5	20	1	
2002	Chlorophyll a	No Concern	Upper bay	18.8	20	0	

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Sediment Contaminants Concern							
2002	85% Metals in sediment Arsenic	No Concern	Point Comfort area	2.5	10	2	
2002	85% Metals in sediment Barium	Not Assessed	Point Comfort area	2.5	9	1	
2002	85% Metals in sediment Cadmium	Not Assessed	Point Comfort area	2.5	9	2	
2002	85% Metals in sediment Chromium	Concern	Point Comfort area	2.5	10	7	
2002	85% Metals in sediment Copper	No Concern	Point Comfort area	2.5	10	2	
2002	85% Metals in sediment Lead	No Concern	Point Comfort area	2.5	10	2	
2002	85% Metals in sediment Manganese	Concern	Point Comfort area	2.5	10	8	
2002	85% Metals in sediment Mercury	Not Assessed	Point Comfort area	2.5	9	5	
2002	85% Metals in sediment Nickel	Concern	Point Comfort area	2.5	10	6	
2002	85% Metals in sediment Selenium	Not Assessed	Point Comfort area	2.5	9	2	
2002	85% Metals in sediment Zinc	No Concern	Point Comfort area	2.5	10	1	
2002	Metals in sediment	Not Assessed	Gallinipper Point to SH 35	15.5	4		
2002	Metals in sediment	Not Assessed	Mouth of bay to Gallinipper Point	18	5		
2002	Metals in sediment	Not Assessed	Upper bay	18.8	8		
2002	Organics in sediment	Not Assessed	Mouth of bay to Gallinipper Point	18	1		
2002	Organics in sediment	Not Assessed	Point Comfort area	2.5	5		
2002	Organics in sediment	Not Assessed	Upper bay	18.8	3		
2002	Overall Sediment Contaminant Concerns	Not Assessed	Gallinipper Point to SH 35	15.5			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Mouth of bay to Gallinipper Point	18			
2002	Overall Sediment Contaminant Concerns	Concern	Point Comfort area	2.5			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Upper bay	18.8			

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Fish Tissue Contaminants Concern

2002	Metals in fish tissue	Not Assessed	Point Comfort area	2.5	1		
2002	Metals in fish tissue	Not Assessed	Upper bay	18.8	1		
2002	Organics in fish tissue	Not Assessed	Upper bay	18.8	1		
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Gallinipper Point to SH 35	15.5			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Mouth of bay to Gallinipper Point	18			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Point Comfort area	2.5			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Upper bay	18.8			

Narrative Criteria Concern

2002	Overall Narrative Criteria Concerns	No Concern	Gallinipper Point to SH 35	15.5			
2002	Overall Narrative Criteria Concerns	No Concern	Mouth of bay to Gallinipper Point	18			
2002	Overall Narrative Criteria Concerns	No Concern	Point Comfort area	2.5			
2002	Overall Narrative Criteria Concerns	No Concern	Upper bay	18.8			

Overall Secondary Concern

2002		No Concern	Gallinipper Point to SH 35	15.5			
2002		No Concern	Mouth of bay to Gallinipper Point	18			
2002		Concern	Point Comfort area	2.5			
2002		No Concern	Upper bay	18.8			