Segment ID: 2471 Water body name: Aransas Bay

Estuary | Bays and Estuaries | Total size: 87.8 Sq. miles

Aquatic Life Use

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
2002	Dissolved Oxygen grab average	No Concern	Lower portion of bay in Lydia Ann Channel	8	19	0	
2002	Dissolved Oxygen grab average	No Concern	Middle of bay near Shell Ridge	8	14	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Lower portion of bay in Lydia Ann Channel	8	19	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Middle of bay near Shell Ridge	8	14	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	Lower portion of bay in Lydia Ann Channel	8	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Middle of bay near Shell Ridge	8	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Lower portion of bay in Lydia Ann Channel	8	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Middle of bay near Shell Ridge	8	0		
2002	Acute Metals in water	Not Assessed	Lower portion of bay in Lydia Ann Channel	8	2	0	
2002	Chronic Metals in water	Not Assessed	Lower portion of bay in Lydia Ann Channel	8	2		
2002	Overall Aquatic Life Use	Not Assessed	Lower portion of bay in Lydia Ann Channel	8			
2002	Overall Aquatic Life Use	Fully Supporting	Middle of bay near Shell Ridge	8			
2002	Overall Aquatic Life Use	Not Assessed	Remainder of bay	71.8			

Contact Recreation Use

2002	Enterococci single sample	Not Assessed	Lower portion of bay in Lydia Ann Channel	8	0		
2002	Enterococci single sample	Not Assessed	Middle of bay near Shell Ridge	8	0		
2002	Enterococci single sample	Not Assessed	Remainder of bay	71.8	0		
2002	Enterococci geometric mean	Not Assessed	Lower portion of bay in Lydia Ann Channel	8	0		
2002	Enterococci geometric mean	Not Assessed	Middle of bay near Shell Ridge	8	0		
2002	Enterococci geometric mean	Not Assessed	Remainder of bay	71.8	0		
2002	Fecal coliform single sample	Fully Supporting	Lower portion of bay in Lydia Ann Channel	8	19	0	

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Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Contact Recreation Use (continued)							
2002	Fecal coliform single sample	Fully Supporting	Middle of bay near Shell Ridge	8	44	0	
2002	Fecal coliform single sample	Fully Supporting	Remainder of bay	71.8	399	0	
2002	Fecal coliform geometric mean	Fully Supporting	Lower portion of bay in Lydia Ann Channel	8	19		1
2002	Fecal coliform geometric mean	Fully Supporting	Middle of bay near Shell Ridge	8	44		2
2002	Fecal coliform geometric mean	Fully Supporting	Remainder of bay	71.8	399		3
2002	Overall Recreation Use	Fully Supporting	Lower portion of bay in Lydia Ann Channel	8			
2002	Overall Recreation Use	Fully Supporting	Middle of bay near Shell Ridge	8			
2002	Overall Recreation Use	Fully Supporting	Remainder of bay	71.8			
General Use							
2002	Water Temperature	Fully Supporting	Lower portion of bay in Lydia Ann Channel	8	19	0	
2002	Water Temperature	Fully Supporting	Middle of bay near Shell Ridge	8	14	0	
2002	pH	Fully Supporting	Lower portion of bay in Lydia Ann Channel	8	19	0	
2002	pH	Fully Supporting	Middle of bay near Shell Ridge	8	14	0	
2002	Overall General Use	Fully Supporting	Lower portion of bay in Lydia Ann Channel	8			
2002	Overall General Use	Fully Supporting	Middle of bay near Shell Ridge	8			
2002	Overall General Use	Not Assessed	Remainder of bay	71.8			
Fish Consumption Use							
2002	Human Health Criteria Metals	Not Assessed	Lower portion of bay in Lydia Ann Channel	8	2		
2002	Overall Fish Consumption Use	Not Assessed	Lower portion of bay in Lydia Ann Channel	8			
2002	Overall Fish Consumption Use	Not Assessed	Middle of bay near Shell Ridge	8			
2002	Overall Fish Consumption Use	Not Assessed	Remainder of bay	71.8			

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Oyster Waters Use

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
2002	TDH Maps	Use Concern	6.8 square miles along the northern edge of the bay and near Rockport	6.8			
2002	TDH Maps	Fully Supporting	81.0 square miles in the main portion of the bay	81			

Overall Use Support

2002		Fully Supporting	Lower portion of bay in Lydia Ann Channel	8			
2002		Fully Supporting	Middle of bay near Shell Ridge	8			
2002		Fully Supporting	Remainder of bay	71.8			

Nutrient Enrichment Concern

2002	Ammonia Nitrogen	Not Assessed	Lower portion of bay in Lydia Ann Channel	8	6	0	
2002	Ammonia Nitrogen	No Concern	Middle of bay near Shell Ridge	8	16	0	
2002	Nitrite + Nitrate Nitrogen	Not Assessed	Lower portion of bay in Lydia Ann Channel	8	6	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	Middle of bay near Shell Ridge	8	16	2	
2002	Orthophosphorus	Not Assessed	Lower portion of bay in Lydia Ann Channel	8	6	0	
2002	Orthophosphorus	No Concern	Middle of bay near Shell Ridge	8	14	0	
2002	Total Phosphorus	Not Assessed	Lower portion of bay in Lydia Ann Channel	8	6	0	
2002	Total Phosphorus	No Concern	Middle of bay near Shell Ridge	8	15	0	
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Lower portion of bay in Lydia Ann Channel	8			
2002	Overall Nutrient Enrichment Concerns	No Concern	Middle of bay near Shell Ridge	8			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Remainder of bay	71.8			

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Algal Growth Concern

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
2002	Chlorophyll a	Not Assessed	Lower portion of bay in Lydia Ann Channel	8	6	0	
2002	Chlorophyll a	No Concern	Middle of bay near Shell Ridge	8	16	0	
2002	Chlorophyll a	Not Assessed	Remainder of bay	71.8			

Sediment Contaminants Concern

2002	PEL Metals in sediment Arsenic	Not Assessed	Middle of bay near Shell Ridge	8	4	0	
2002	85% Metals in sediment Arsenic	Not Assessed	Middle of bay near Shell Ridge	8	4	2	
2002	85% Metals in sediment Barium	Not Assessed	Middle of bay near Shell Ridge	8	4	3	
2002	85% Metals in sediment Chromium	Not Assessed	Middle of bay near Shell Ridge	8	4	2	
2002	85% Metals in sediment Copper	Not Assessed	Middle of bay near Shell Ridge	8	4	1	
2002	85% Metals in sediment Manganese	Not Assessed	Middle of bay near Shell Ridge	8	4	2	
2002	85% Metals in sediment Metals	Not Assessed	Middle of bay near Shell Ridge	8		0	
2002	Metals in sediment	Not Assessed	Lower portion of bay in Lydia Ann Channel	8	1		
2002	Overall Sediment Contaminant Concerns	Not Assessed	Lower portion of bay in Lydia Ann Channel	8			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Middle of bay near Shell Ridge	8			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Remainder of bay	71.8			

Fish Tissue Contaminants Concern

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower portion of bay in Lydia Ann Channel	8			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Middle of bay near Shell Ridge	8			

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Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Fish Tissue Contaminants Concern (continued)							
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Remainder of bay	71.8			
Narrative Criteria Concern							
2002	Overall Narrative Criteria Concerns	No Concern	Lower portion of bay in Lydia Ann Channel	8			
2002	Overall Narrative Criteria Concerns	No Concern	Middle of bay near Shell Ridge	8			
2002	Overall Narrative Criteria Concerns	No Concern	Remainder of bay	71.8			
Overall Secondary Concern							
2002		No Concern	Lower portion of bay in Lydia Ann Channel	8			
2002		No Concern	Middle of bay near Shell Ridge	8			
2002		No Concern	Remainder of bay	71.8			