



**Segment ID: 2491**      **Water body name: Laguna Madre**

Estuary		Bays and Estuaries		Total size:	347.4	Sq. miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
<b>Aquatic Life Use</b> (continued)							
2002	Dissolved Oxygen 24hr average	Not Assessed	Area around the mouth of the Arroyo Colorado	8	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Area near upper end of Padre Island National Seashore	8	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Lower Laguna Madre from Andie Bowie Park to Isla Blanca Park to Port Isabel	8	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Upper Laguna Madre near Packery Channel Park	8	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Area around Morano Blanco	8	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Area around Port Mansfield	8	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Area around Rincon de San Jose	8	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Area around the mouth of Baffin Bay	8	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Area around the mouth of the Arroyo Colorado	8	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Area near upper end of Padre Island National Seashore	8	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Lower Laguna Madre from Andie Bowie Park to Isla Blanca Park to Port Isabel	8	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Upper Laguna Madre near Packery Channel Park	8	0		
2002	Overall Aquatic Life Use	Not Assessed	Area adjacent to the Laguna Atascosa National Wildlife Refuge	8			
2002	Overall Aquatic Life Use	Not Assessed	Area around Morano Blanco	8			
2002	Overall Aquatic Life Use	Fully Supporting	Area around Port Mansfield	8			
2002	Overall Aquatic Life Use	Not Assessed	Area around Rincon de San Jose	8			
2002	Overall Aquatic Life Use	Not Assessed	Area around the mouth of Baffin Bay	8			
2002	Overall Aquatic Life Use	Fully Supporting	Area around the mouth of the Arroyo Colorado	8			
2002	Overall Aquatic Life Use	Fully Supporting	Area near upper end of Padre Island National Seashore	8			
2002	Overall Aquatic Life Use	Fully Supporting	Lower Laguna Madre from Andie Bowie Park to Isla Blanca Park to Port Isabel	8			

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**Aquatic Life Use** (continued)

2002	Overall Aquatic Life Use	Not Assessed	Lower Laguna Madre near Laguna Heights and Laguna Vista	8			
2002	Overall Aquatic Life Use	Not Assessed	Remainder of segment	267.4			
2002	Overall Aquatic Life Use	Fully Supporting	Upper Laguna Madre near Packery Channel Park	8			

**Contact Recreation Use**

2002	Enterococci single sample	Not Assessed	Area adjacent to the Laguna Atascosa National Wildlife Refuge	8	0		
2002	Enterococci single sample	Not Assessed	Area around Morano Blanco	8	0		
2002	Enterococci single sample	Not Assessed	Area around Port Mansfield	8	0		
2002	Enterococci single sample	Not Assessed	Area around Rincon de San Jose	8	0		
2002	Enterococci single sample	Not Assessed	Area around the mouth of Baffin Bay	8	0		
2002	Enterococci single sample	Not Assessed	Area around the mouth of the Arroyo Colorado	8	0		
2002	Enterococci single sample	Not Assessed	Area near upper end of Padre Island National Seashore	8	0		
2002	Enterococci single sample	Not Assessed	Lower Laguna Madre from Andie Bowie Park to Isla Blanca Park to Port Isabel	8	0		
2002	Enterococci single sample	Not Assessed	Lower Laguna Madre near Laguna Heights and Laguna Vista	8	0		
2002	Enterococci single sample	Not Assessed	Upper Laguna Madre near Packery Channel Park	8	0		
2002	Enterococci geometric mean	Not Assessed	Area adjacent to the Laguna Atascosa National Wildlife Refuge	8	0		
2002	Enterococci geometric mean	Not Assessed	Area around Morano Blanco	8	0		
2002	Enterococci geometric mean	Not Assessed	Area around Port Mansfield	8	0		
2002	Enterococci geometric mean	Not Assessed	Area around Rincon de San Jose	8	0		
2002	Enterococci geometric mean	Not Assessed	Area around the mouth of Baffin Bay	8	0		
2002	Enterococci geometric mean	Not Assessed	Area around the mouth of the Arroyo Colorado	8	0		

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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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**Contact Recreation Use** (continued)

2002	Enterococci geometric mean	Not Assessed	Area near upper end of Padre Island National Seashore	8	0		
2002	Enterococci geometric mean	Not Assessed	Lower Laguna Madre from Andie Bowie Park to Isla Blanca Park to Port Isabel	8	0		
2002	Enterococci geometric mean	Not Assessed	Lower Laguna Madre near Laguna Heights and Laguna Vista	8	0		
2002	Enterococci geometric mean	Not Assessed	Upper Laguna Madre near Packery Channel Park	8	0		
2002	Fecal coliform single sample	Fully Supporting	Area adjacent to the Laguna Atascosa National Wildlife Refuge	8	25	0	
2002	Fecal coliform single sample	Fully Supporting	Area around Morano Blanco	8	27	0	
2002	Fecal coliform single sample	Fully Supporting	Area around Port Mansfield	8	44	1	
2002	Fecal coliform single sample	Not Assessed	Area around Rincon de San Jose	8	3	0	
2002	Fecal coliform single sample	No Concern-Limited Data	Area around the mouth of Baffin Bay	8	7	0	
2002	Fecal coliform single sample	Fully Supporting	Area around the mouth of the Arroyo Colorado	8	49	0	
2002	Fecal coliform single sample	Fully Supporting	Area near upper end of Padre Island National Seashore	8	21	0	
2002	Fecal coliform single sample	Fully Supporting	Lower Laguna Madre from Andie Bowie Park to Isla Blanca Park to Port Isabel	8	200	0	
2002	Fecal coliform single sample	Fully Supporting	Lower Laguna Madre near Laguna Heights and Laguna Vista	8	90	0	
2002	Fecal coliform single sample	Fully Supporting	Upper Laguna Madre near Packery Channel Park	8	13	0	
2002	Fecal coliform geometric mean	Fully Supporting	Area adjacent to the Laguna Atascosa National Wildlife Refuge	8	25		2
2002	Fecal coliform geometric mean	Fully Supporting	Area around Morano Blanco	8	27		2
2002	Fecal coliform geometric mean	Fully Supporting	Area around Port Mansfield	8	44		3.4
2002	Fecal coliform geometric mean	Not Assessed	Area around Rincon de San Jose	8	3		2

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Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
<b>Contact Recreation Use</b> (continued)							
2002	Fecal coliform geometric mean	No Concern-Limited Data	Area around the mouth of Baffin Bay	8	7		2
2002	Fecal coliform geometric mean	Fully Supporting	Area around the mouth of the Arroyo Colorado	8	49		3
2002	Fecal coliform geometric mean	Fully Supporting	Area near upper end of Padre Island National Seashore	8	21		3
2002	Fecal coliform geometric mean	Fully Supporting	Lower Laguna Madre from Andie Bowie Park to Isla Blanca Park to Port Isabel	8	200		2.7
2002	Fecal coliform geometric mean	Fully Supporting	Lower Laguna Madre near Laguna Heights and Laguna Vista	8	90		2.4
2002	Fecal coliform geometric mean	Fully Supporting	Upper Laguna Madre near Packery Channel Park	8	13		2
2002	Overall Recreation Use	Fully Supporting	Area adjacent to the Laguna Atascosa National Wildlife Refuge	8			
2002	Overall Recreation Use	Fully Supporting	Area around Morano Blanco	8			
2002	Overall Recreation Use	Fully Supporting	Area around Port Mansfield	8			
2002	Overall Recreation Use	Not Assessed	Area around Rincon de San Jose	8			
2002	Overall Recreation Use	Not Assessed	Area around the mouth of Baffin Bay	8			
2002	Overall Recreation Use	Fully Supporting	Area around the mouth of the Arroyo Colorado	8			
2002	Overall Recreation Use	Fully Supporting	Area near upper end of Padre Island National Seashore	8			
2002	Overall Recreation Use	Fully Supporting	Lower Laguna Madre from Andie Bowie Park to Isla Blanca Park to Port Isabel	8			
2002	Overall Recreation Use	Fully Supporting	Lower Laguna Madre near Laguna Heights and Laguna Vista	8			
2002	Overall Recreation Use	Not Assessed	Remainder of segment	267.4			
2002	Overall Recreation Use	Fully Supporting	Upper Laguna Madre near Packery Channel Park	8			

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Estuary		Bays and Estuaries		Total size:	347.4	Sq. miles	
Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
<b>General Use</b>							
2002	Water Temperature	Not Assess-Not Represent	Area around Morano Blanco	8	9	0	
2002	Water Temperature	Fully Supporting	Area around Port Mansfield	8	20	0	
2002	Water Temperature	Not Assessed	Area around Rincon de San Jose	8	3	0	
2002	Water Temperature	No Concern-Limited Data	Area around the mouth of Baffin Bay	8	7	0	
2002	Water Temperature	Fully Supporting	Area around the mouth of the Arroyo Colorado	8	22	0	
2002	Water Temperature	Fully Supporting	Area near upper end of Padre Island National Seashore	8	21	0	
2002	Water Temperature	Fully Supporting	Lower Laguna Madre from Andie Bowie Park to Isla Blanca Park to Port Isabel	8	20	0	
2002	Water Temperature	Fully Supporting	Upper Laguna Madre near Packery Channel Park	8	14	0	
2002	pH	Not Assess-Not Represent	Area around Morano Blanco	8	9	0	
2002	pH	Fully Supporting	Area around Port Mansfield	8	20	0	
2002	pH	Not Assessed	Area around Rincon de San Jose	8	3	0	
2002	pH	No Concern-Limited Data	Area around the mouth of Baffin Bay	8	7	0	
2002	pH	Fully Supporting	Area around the mouth of the Arroyo Colorado	8	21	0	
2002	pH	Fully Supporting	Area near upper end of Padre Island National Seashore	8	21	0	
2002	pH	Fully Supporting	Lower Laguna Madre from Andie Bowie Park to Isla Blanca Park to Port Isabel	8	20	0	
2002	pH	Fully Supporting	Upper Laguna Madre near Packery Channel Park	8	14	0	
2002	Overall General Use	Not Assessed	Area adjacent to the Laguna Atascosa National Wildlife Refuge	8			
2002	Overall General Use	Not Assessed	Area around Morano Blanco	8			
2002	Overall General Use	Fully Supporting	Area around Port Mansfield	8			

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**General Use** (continued)

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
2002	Overall General Use	Not Assessed	Area around Rincon de San Jose	8			
2002	Overall General Use	Not Assessed	Area around the mouth of Baffin Bay	8			
2002	Overall General Use	Fully Supporting	Area around the mouth of the Arroyo Colorado	8			
2002	Overall General Use	Fully Supporting	Area near upper end of Padre Island National Seashore	8			
2002	Overall General Use	Fully Supporting	Lower Laguna Madre from Andie Bowie Park to Isla Blanca Park to Port Isabel	8			
2002	Overall General Use	Not Assessed	Lower Laguna Madre near Laguna Heights and Laguna Vista	8			
2002	Overall General Use	Not Assessed	Remainder of segment	267.4			
2002	Overall General Use	Fully Supporting	Upper Laguna Madre near Packery Channel Park	8			

**Fish Consumption Use**

2002	Overall Fish Consumption Use	Not Assessed	Area adjacent to the Laguna Atascosa National Wildlife Refuge	8			
2002	Overall Fish Consumption Use	Not Assessed	Area around Morano Blanco	8			
2002	Overall Fish Consumption Use	Not Assessed	Area around Port Mansfield	8			
2002	Overall Fish Consumption Use	Not Assessed	Area around Rincon de San Jose	8			
2002	Overall Fish Consumption Use	Not Assessed	Area around the mouth of Baffin Bay	8			
2002	Overall Fish Consumption Use	Not Assessed	Area around the mouth of the Arroyo Colorado	8			
2002	Overall Fish Consumption Use	Not Assessed	Area near upper end of Padre Island National Seashore	8			
2002	Overall Fish Consumption Use	Not Assessed	Lower Laguna Madre from Andie Bowie Park to Isla Blanca Park to Port Isabel	8			
2002	Overall Fish Consumption Use	Not Assessed	Lower Laguna Madre near Laguna Heights and Laguna Vista	8			
2002	Overall Fish Consumption Use	Not Assessed	Remainder of segment	267.4			
2002	Overall Fish Consumption Use	Not Assessed	Upper Laguna Madre near Packery Channel Park	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	18.1 square miles near the Arroyo Colorado and along the ICWW	18.1			
2002	TDH Maps	Not Assessed	Area around Rincon de San Jose	8			
2002	TDH Maps	Not Assessed	Area around the mouth of Baffin Bay	8			
2002	TDH Maps	Not Assessed	Area near upper end of Padre Island National Seashore	8			
2002	TDH Maps	Fully Supporting	Main portion of the Laguna Madre south of Port Mansfield	134.8			
2002	TDH Maps	Not Assessed	Remainder of the Laguna Madre north of Port Mansfield	162.5			
2002	TDH Maps	Not Assessed	Upper Laguna Madre near Packery Channel Park	8			

**Overall Use Support**

2002		Fully Supporting	18.1 square miles near the Arroyo Colorado and along the ICWW	18.1			
2002		Not Assessed	Area around Rincon de San Jose	8			
2002		Not Assessed	Area around the mouth of Baffin Bay	8			
2002		Fully Supporting	Area near upper end of Padre Island National Seashore	8			
2002		Fully Supporting	Main portion of the Laguna Madre south of Port Mansfield	134.8			
2002		Not Assessed	Remainder of the Laguna Madre north of Port Mansfield	162.5			
2002		Fully Supporting	Upper Laguna Madre near Packery Channel Park	8			

**Nutrient Enrichment Concern**

2002	Ammonia Nitrogen	Not Assessed	Area around Morano Blanco	8	3	0	
2002	Ammonia Nitrogen	No Concern	Area around Port Mansfield	8	19	1	
2002	Ammonia Nitrogen	Not Assessed	Area around Rincon de San Jose	8	3	0	







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**Nutrient Enrichment Concern** (continued)

2002	Overall Nutrient Enrichment Concerns	Not Assessed	Remainder of segment	267.4			
2002	Overall Nutrient Enrichment Concerns	No Concern	Upper Laguna Madre near Packery Channel Park	8			

**Algal Growth Concern**

2002	Chlorophyll a	Not Assessed	Area adjacent to the Laguna Atascosa National Wildlife Refuge	8			
2002	Chlorophyll a	Not Assessed	Area around Morano Blanco	8	3	0	
2002	Chlorophyll a	No Concern	Area around Port Mansfield	8	19	3	
2002	Chlorophyll a	Not Assessed	Area around Rincon de San Jose	8	3	0	
2002	Chlorophyll a	Concern	Area around the mouth of Baffin Bay	8	10	5	
2002	Chlorophyll a	No Concern	Area around the mouth of the Arroyo Colorado	8	21	4	
2002	Chlorophyll a	No Concern	Area near upper end of Padre Island National Seashore	8	19	3	
2002	Chlorophyll a	No Concern	Lower Laguna Madre from Andie Bowie Park to Isla Blanca Park to Port Isabel	8	19	0	
2002	Chlorophyll a	Not Assessed	Lower Laguna Madre near Laguna Heights and Laguna Vista	8			
2002	Chlorophyll a	Not Assessed	Remainder of segment	267.4			
2002	Chlorophyll a	No Concern	Upper Laguna Madre near Packery Channel Park	8	17	1	

**Sediment Contaminants Concern**

2002	Metals in sediment	Not Assessed	Area around the mouth of Baffin Bay	8	2		
2002	Metals in sediment	Not Assessed	Area near upper end of Padre Island National Seashore	8	1		
2002	Organics in sediment	Not Assessed	Area around Morano Blanco	8	2		

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**Sediment Contaminants Concern** (continued)

2002	Overall Sediment Contaminant Concerns	Not Assessed	Area adjacent to the Laguna Atascosa National Wildlife Refuge	8			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Area around Morano Blanco	8			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Area around Port Mansfield	8			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Area around Rincon de San Jose	8			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Area around the mouth of Baffin Bay	8			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Area around the mouth of the Arroyo Colorado	8			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Area near upper end of Padre Island National Seashore	8			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Lower Laguna Madre from Andie Bowie Park to Isla Blanca Park to Port Isabel	8			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Lower Laguna Madre near Laguna Heights and Laguna Vista	8			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Remainder of segment	267.4			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Upper Laguna Madre near Packery Channel Park	8			

**Fish Tissue Contaminants Concern**

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Area adjacent to the Laguna Atascosa National Wildlife Refuge	8			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Area around Morano Blanco	8			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Area around Port Mansfield	8			



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**Narrative Criteria Concern** (continued)

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
2002	Overall Narrative Criteria Concerns	No Concern	Area near upper end of Padre Island National Seashore	8			
2002	Overall Narrative Criteria Concerns	No Concern	Lower Laguna Madre from Andie Bowie Park to Isla Blanca Park to Port Isabel	8			
2002	Overall Narrative Criteria Concerns	No Concern	Lower Laguna Madre near Laguna Heights and Laguna Vista	8			
2002	Overall Narrative Criteria Concerns	No Concern	Remainder of segment	267.4			
2002	Overall Narrative Criteria Concerns	No Concern	Upper Laguna Madre near Packery Channel Park	8			

**Overall Secondary Concern**

2002		No Concern	Area adjacent to the Laguna Atascosa National Wildlife Refuge	8			
2002		No Concern	Area around Morano Blanco	8			
2002		No Concern	Area around Port Mansfield	8			
2002		No Concern	Area around Rincon de San Jose	8			
2002		Concern	Area around the mouth of Baffin Bay	8			
2002		Concern	Area around the mouth of the Arroyo Colorado	8			
2002		No Concern	Area near upper end of Padre Island National Seashore	8			
2002		No Concern	Lower Laguna Madre from Andie Bowie Park to Isla Blanca Park to Port Isabel	8			
2002		No Concern	Lower Laguna Madre near Laguna Heights and Laguna Vista	8			
2002		No Concern	Remainder of segment	267.4			
2002		No Concern	Upper Laguna Madre near Packery Channel Park	8			