

**Segment ID:** 2452      **Water body name:** Tres Palacios Bay/Turtle Bay

Estuary

Bays and Estuaries

Total size:

14.7

Sq. miles

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	Oliver Point to Coon Island Bay	3.5	14	0	
2002	Dissolved Oxygen grab average	Use Concern	Palacios area	1.5	19	3	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Oliver Point to Coon Island Bay	3.5	14	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Palacios area	1.5	19	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	Oliver Point to Coon Island Bay	3.5	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Palacios area	1.5	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Oliver Point to Coon Island Bay	3.5	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Palacios area	1.5	0		
2002	Overall Aquatic Life Use	Not Assessed	Mouth of bay	5			
2002	Overall Aquatic Life Use	Fully Supporting	Oliver Point to Coon Island Bay	3.5			
2002	Overall Aquatic Life Use	Fully Supporting	Palacios area	1.5			
2002	Overall Aquatic Life Use	Not Assessed	Turtle Bay	2.5			
2002	Overall Aquatic Life Use	Not Assessed	Upper end of Tres Palacios Bay	2.2			

**Contact Recreation Use**

2002	Enterococci single sample	Not Assessed	Mouth of bay	5	0		
2002	Enterococci single sample	Not Assessed	Oliver Point to Coon Island Bay	3.5	0		
2002	Enterococci single sample	Not Assessed	Palacios area	1.5	0		
2002	Enterococci single sample	Not Assessed	Turtle Bay	2.5	0		
2002	Enterococci single sample	Not Assessed	Upper end of Tres Palacios Bay	2.2	0		
2002	Enterococci geometric mean	Not Assessed	Mouth of bay	5	0		
2002	Enterococci geometric mean	Not Assessed	Oliver Point to Coon Island Bay	3.5	0		
2002	Enterococci geometric mean	Not Assessed	Palacios area	1.5	0		
2002	Enterococci geometric mean	Not Assessed	Turtle Bay	2.5	0		

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**Contact Recreation Use** (continued)

2002	Enterococci geometric mean	Not Assessed	Upper end of Tres Palacios Bay	2.2	0		
2002	Fecal coliform single sample	Fully Supporting	Mouth of bay	5	109	0	
2002	Fecal coliform single sample	Fully Supporting	Oliver Point to Coon Island Bay	3.5	321	3	
2002	Fecal coliform single sample	Fully Supporting	Palacios area	1.5	316	9	
2002	Fecal coliform single sample	Fully Supporting	Turtle Bay	2.5	185	1	
2002	Fecal coliform single sample	Fully Supporting	Upper end of Tres Palacios Bay	2.2	62	7	
2002	Fecal coliform geometric mean	Fully Supporting	Mouth of bay	5	109		4
2002	Fecal coliform geometric mean	Fully Supporting	Oliver Point to Coon Island Bay	3.5	321		5
2002	Fecal coliform geometric mean	Fully Supporting	Palacios area	1.5	316		8
2002	Fecal coliform geometric mean	Fully Supporting	Turtle Bay	2.5	185		5
2002	Fecal coliform geometric mean	Fully Supporting	Upper end of Tres Palacios Bay	2.2	62		17
2002	Overall Recreation Use	Fully Supporting	Mouth of bay	5			
2002	Overall Recreation Use	Fully Supporting	Oliver Point to Coon Island Bay	3.5			
2002	Overall Recreation Use	Fully Supporting	Palacios area	1.5			
2002	Overall Recreation Use	Fully Supporting	Turtle Bay	2.5			
2002	Overall Recreation Use	Fully Supporting	Upper end of Tres Palacios Bay	2.2			

**General Use**

2002	Water Temperature	Fully Supporting	Oliver Point to Coon Island Bay	3.5	14	0	
2002	Water Temperature	Fully Supporting	Palacios area	1.5	20	0	
2002	pH	Fully Supporting	Oliver Point to Coon Island Bay	3.5	14	0	
2002	pH	Fully Supporting	Palacios area	1.5	18	0	
2002	Overall General Use	Not Assessed	Mouth of bay	5			
2002	Overall General Use	Fully Supporting	Oliver Point to Coon Island Bay	3.5			

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**General Use** (continued)

2002	Overall General Use	Fully Supporting	Palacios area	1.5			
2002	Overall General Use	Not Assessed	Turtle Bay	2.5			
2002	Overall General Use	Not Assessed	Upper end of Tres Palacios Bay	2.2			

**Fish Consumption Use**

2002	Overall Fish Consumption Use	Not Assessed	Mouth of bay	5			
2002	Overall Fish Consumption Use	Not Assessed	Oliver Point to Coon Island Bay	3.5			
2002	Overall Fish Consumption Use	Not Assessed	Palacios area	1.5			
2002	Overall Fish Consumption Use	Not Assessed	Turtle Bay	2.5			
2002	Overall Fish Consumption Use	Not Assessed	Upper end of Tres Palacios Bay	2.2			

**Oyster Waters Use**

2002	TDH Maps	Not Supporting	7.2 square miles - upper half Tres Palacios Bay and Turtle Bay	7.2			
2002	TDH Maps	Use Concern	7.5 square miles in lower half of bay	7.5			

**Overall Use Support**

2002		Not Supporting	7.2 square miles - upper half Tres Palacios Bay and Turtle Bay	7.2			
2002		Fully Supporting	7.5 square miles in lower half of bay	7.5			

**Nutrient Enrichment Concern**

2002	Ammonia Nitrogen	No Concern	Oliver Point to Coon Island Bay	3.5	13	0	
2002	Ammonia Nitrogen	Concern	Palacios area	1.5	16	8	
2002	Nitrite + Nitrate Nitrogen	No Concern	Oliver Point to Coon Island Bay	3.5	13	1	
2002	Nitrite + Nitrate Nitrogen	No Concern	Palacios area	1.5	16	2	
2002	Orthophosphorus	No Concern	Oliver Point to Coon Island Bay	3.5	11	0	

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**Nutrient Enrichment Concern** (continued)

2002	Orthophosphorus	No Concern	Palacios area	1.5	15	0	
2002	Total Phosphorus	No Concern	Oliver Point to Coon Island Bay	3.5	13	0	
2002	Total Phosphorus	No Concern	Palacios area	1.5	15	0	
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Mouth of bay	5			
2002	Overall Nutrient Enrichment Concerns	No Concern	Oliver Point to Coon Island Bay	3.5			
2002	Overall Nutrient Enrichment Concerns	Concern	Palacios area	1.5			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Turtle Bay	2.5			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Upper end of Tres Palacios Bay	2.2			

**Algal Growth Concern**

2002	Chlorophyll a	Not Assessed	Mouth of bay	5			
2002	Chlorophyll a	No Concern	Oliver Point to Coon Island Bay	3.5	13	0	
2002	Chlorophyll a	No Concern	Palacios area	1.5	16	3	
2002	Chlorophyll a	Not Assessed	Turtle Bay	2.5			
2002	Chlorophyll a	Not Assessed	Upper end of Tres Palacios Bay	2.2			

**Sediment Contaminants Concern**

2002	Overall Sediment Contaminant Concerns	Not Assessed	Mouth of bay	5			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Oliver Point to Coon Island Bay	3.5			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Palacios area	1.5			

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**Sediment Contaminants Concern** (continued)

2002	Overall Sediment Contaminant Concerns	Not Assessed	Turtle Bay	2.5			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Upper end of Tres Palacios Bay	2.2			

**Fish Tissue Contaminants Concern**

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Mouth of bay	5			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Oliver Point to Coon Island Bay	3.5			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Palacios area	1.5			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Turtle Bay	2.5			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Upper end of Tres Palacios Bay	2.2			

**Narrative Criteria Concern**

2002	Overall Narrative Criteria Concerns	No Concern	Mouth of bay	5			
2002	Overall Narrative Criteria Concerns	No Concern	Oliver Point to Coon Island Bay	3.5			
2002	Overall Narrative Criteria Concerns	No Concern	Palacios area	1.5			
2002	Overall Narrative Criteria Concerns	No Concern	Turtle Bay	2.5			
2002	Overall Narrative Criteria Concerns	No Concern	Upper end of Tres Palacios Bay	2.2			

**Overall Secondary Concern**

2002		No Concern	Mouth of bay	5			
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**Overall Secondary Concern** (continued)

2002		No Concern	Oliver Point to Coon Island Bay	3.5			
2002		Concern	Palacios area	1.5			
2002		No Concern	Turtle Bay	2.5			
2002		No Concern	Upper end of Tres Palacios Bay	2.2			