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

Estuary | Bays and Estuaries | Total size: 14.7 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	Oliver Point to Coon Island Bay	3.5	14	0	
Dissolved Oxygen grab average	Use Concern	Palacios area	1.5	19	3	
Dissolved Oxygen grab minimum	Fully Supporting	Oliver Point to Coon Island Bay	3.5	14	0	
Dissolved Oxygen grab minimum	Fully Supporting	Palacios area	1.5	19	0	
Dissolved Oxygen 24hr average	Not Assessed	Oliver Point to Coon Island Bay	3.5	0		
Dissolved Oxygen 24hr average	Not Assessed	Palacios area	1.5	0		
Dissolved Oxygen 24hr minimum	Not Assessed	Oliver Point to Coon Island Bay	3.5	0		
Dissolved Oxygen 24hr minimum	Not Assessed	Palacios area	1.5	0		
Overall Aquatic Life Use	Not Assessed	Mouth of bay	5			
Overall Aquatic Life Use	Fully Supporting	Oliver Point to Coon Island Bay	3.5			
Overall Aquatic Life Use	Fully Supporting	Palacios area	1.5			
Overall Aquatic Life Use	Not Assessed	Turtle Bay	2.5			
Overall Aquatic Life Use	Not Assessed	Upper end of Tres Palacios Bay	2.2			
Contact Recreation Use						
Enterococci single sample	Not Assessed	Mouth of bay	5	0		
Enterococci single sample	Not Assessed	Oliver Point to Coon Island Bay	3.5	0		
Enterococci single sample	Not Assessed	Palacios area	1.5	0		
Enterococci single sample	Not Assessed	Turtle Bay	2.5	0		
Enterococci single sample	Not Assessed	Upper end of Tres Palacios Bay	2.2	0		
Enterococci geometric mean	Not Assessed	Mouth of bay	5	0		
Enterococci geometric mean	Not Assessed	Oliver Point to Coon Island Bay	3.5	0		
Enterococci geometric mean	Not Assessed	Palacios area	1.5	0		
Enterococci geometric mean	Not Assessed	Turtle Bay	2.5	0		

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Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Contact Recreation Use (continued)						
Enterococci geometric mean	Not Assessed	Upper end of Tres Palacios Bay	2.2	0		
Fecal coliform single sample	Fully Supporting	Mouth of bay	5	109	0	
Fecal coliform single sample	Fully Supporting	Oliver Point to Coon Island Bay	3.5	321	3	
Fecal coliform single sample	Fully Supporting	Palacios area	1.5	316	9	
Fecal coliform single sample	Fully Supporting	Turtle Bay	2.5	185	1	
Fecal coliform single sample	Fully Supporting	Upper end of Tres Palacios Bay	2.2	62	7	
Fecal coliform geometric mean	Fully Supporting	Mouth of bay	5	109		4
Fecal coliform geometric mean	Fully Supporting	Oliver Point to Coon Island Bay	3.5	321		5
Fecal coliform geometric mean	Fully Supporting	Palacios area	1.5	316		8
Fecal coliform geometric mean	Fully Supporting	Turtle Bay	2.5	185		5
Fecal coliform geometric mean	Fully Supporting	Upper end of Tres Palacios Bay	2.2	62		17
Overall Recreation Use	Fully Supporting	Mouth of bay	5			
Overall Recreation Use	Fully Supporting	Oliver Point to Coon Island Bay	3.5			
Overall Recreation Use	Fully Supporting	Palacios area	1.5			
Overall Recreation Use	Fully Supporting	Turtle Bay	2.5			
Overall Recreation Use	Fully Supporting	Upper end of Tres Palacios Bay	2.2			
General Use						
Water Temperature	Fully Supporting	Oliver Point to Coon Island Bay	3.5	14	0	
Water Temperature	Fully Supporting	Palacios area	1.5	20	0	
pH	Fully Supporting	Oliver Point to Coon Island Bay	3.5	14	0	
pH	Fully Supporting	Palacios area	1.5	18	0	
Overall General Use	Not Assessed	Mouth of bay	5			
Overall General Use	Fully Supporting	Oliver Point to Coon Island Bay	3.5			

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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	Palacios area	1.5			
Overall General Use	Not Assessed	Turtle Bay	2.5			
Overall General Use	Not Assessed	Upper end of Tres Palacios Bay	2.2			
Fish Consumption Use						
Overall Fish Consumption Use	Not Assessed	Mouth of bay	5			
Overall Fish Consumption Use	Not Assessed	Oliver Point to Coon Island Bay	3.5			
Overall Fish Consumption Use	Not Assessed	Palacios area	1.5			
Overall Fish Consumption Use	Not Assessed	Turtle Bay	2.5			
Overall Fish Consumption Use	Not Assessed	Upper end of Tres Palacios Bay	2.2			
Oyster Waters Use						
TDH Maps	Not Supporting	7.2 square miles - upper half Tres Palacios Bay and Turtle Bay	7.2			
TDH Maps	Use Concern	7.5 square miles in lower half of bay	7.5			
Overall Use Support						
	Not Supporting	7.2 square miles - upper half Tres Palacios Bay and Turtle Bay	7.2			
	Fully Supporting	7.5 square miles in lower half of bay	7.5			
Nutrient Enrichment Concern						
Ammonia Nitrogen	No Concern	Oliver Point to Coon Island Bay	3.5	13	0	
Ammonia Nitrogen	Concern	Palacios area	1.5	16	8	
Nitrite + Nitrate Nitrogen	No Concern	Oliver Point to Coon Island Bay	3.5	13	1	
Nitrite + Nitrate Nitrogen	No Concern	Palacios area	1.5	16	2	
Orthophosphorus	No Concern	Oliver Point to Coon Island Bay	3.5	11	0	

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Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Nutrient Enrichment Concern (continued)						
Orthophosphorus	No Concern	Palacios area	1.5	15	0	
Total Phosphorus	No Concern	Oliver Point to Coon Island Bay	3.5	13	0	
Total Phosphorus	No Concern	Palacios area	1.5	15	0	
Overall Nutrient Enrichment Concerns	Not Assessed	Mouth of bay	5			
Overall Nutrient Enrichment Concerns	No Concern	Oliver Point to Coon Island Bay	3.5			
Overall Nutrient Enrichment Concerns	Concern	Palacios area	1.5			
Overall Nutrient Enrichment Concerns	Not Assessed	Turtle Bay	2.5			
Overall Nutrient Enrichment Concerns	Not Assessed	Upper end of Tres Palacios Bay	2.2			
Algal Growth Concern						
Chlorophyll a	Not Assessed	Mouth of bay	5			
Chlorophyll a	No Concern	Oliver Point to Coon Island Bay	3.5	13	0	
Chlorophyll a	No Concern	Palacios area	1.5	16	3	
Chlorophyll a	Not Assessed	Turtle Bay	2.5			
Chlorophyll a	Not Assessed	Upper end of Tres Palacios Bay	2.2			
Sediment Contaminants Concern						
Overall Sediment Contaminant Concerns	Not Assessed	Mouth of bay	5			
Overall Sediment Contaminant Concerns	Not Assessed	Oliver Point to Coon Island Bay	3.5			
Overall Sediment Contaminant Concerns	Not Assessed	Palacios area	1.5			
Overall Sediment Contaminant Concerns	Not Assessed	Turtle Bay	2.5			
Overall Sediment Contaminant Concerns	Not Assessed	Upper end of Tres Palacios Bay	2.2			

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Fish Tissue Contaminants Concern						
Overall Fish Tissue Contaminant Concerns	Not Assessed	Mouth of bay	5			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Oliver Point to Coon Island Bay	3.5			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Palacios area	1.5			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Turtle Bay	2.5			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Upper end of Tres Palacios Bay	2.2			
Narrative Criteria Concern						
Overall Narrative Criteria Concerns	No Concern	Mouth of bay	5			
Overall Narrative Criteria Concerns	No Concern	Oliver Point to Coon Island Bay	3.5			
Overall Narrative Criteria Concerns	No Concern	Palacios area	1.5			
Overall Narrative Criteria Concerns	No Concern	Turtle Bay	2.5			
Overall Narrative Criteria Concerns	No Concern	Upper end of Tres Palacios Bay	2.2			
Overall Secondary Concern						
	No Concern	Mouth of bay	5			
	No Concern	Oliver Point to Coon Island Bay	3.5			
	Concern	Palacios area	1.5			
	No Concern	Turtle Bay	2.5			
	No Concern	Upper end of Tres Palacios Bay	2.2			