

Segment ID: 2463 **Water body name:** Mesquite Bay/Carlos Bay/Ayres Bay

Estuary	Bays and Estuaries	Total size:	12.6	Sq. miles
---------	--------------------	-------------	------	-----------

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
-----------------	-------------------	----------------------------------	----------	---------------	--------------	------------------	------

Aquatic Life Use

2002	Dissolved Oxygen grab average	No Concern	Northern portion of Mesquite Bay	8	12	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Northern portion of Mesquite Bay	8	12	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	Northern portion of Mesquite Bay	8	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Northern portion of Mesquite Bay	8	0		
2002	Acute Metals in water	No Concern-Limited Data	Northern portion of Mesquite Bay	8	4	0	
2002	Chronic Metals in water	No Concern-Limited Data	Northern portion of Mesquite Bay	8	4		
2002	Overall Aquatic Life Use	Fully Supporting	Northern portion of Mesquite Bay	8			
2002	Overall Aquatic Life Use	Not Assessed	Remainder of bay	4.6			

Contact Recreation Use

2002	Enterococci single sample	Not Assessed	Northern portion of Mesquite Bay	8	0		
2002	Enterococci single sample	Not Assessed	Remainder of bay	4.6	0		
2002	Enterococci geometric mean	Not Assessed	Northern portion of Mesquite Bay	8	0		
2002	Enterococci geometric mean	Not Assessed	Remainder of bay	4.6	0		
2002	Fecal coliform single sample	Fully Supporting	Northern portion of Mesquite Bay	8	45	0	
2002	Fecal coliform single sample	Fully Supporting	Remainder of bay	4.6	66	0	
2002	Fecal coliform geometric mean	Fully Supporting	Northern portion of Mesquite Bay	8	45		2
2002	Fecal coliform geometric mean	Fully Supporting	Remainder of bay	4.6	66		2
2002	Overall Recreation Use	Fully Supporting	Northern portion of Mesquite Bay	8			
2002	Overall Recreation Use	Fully Supporting	Remainder of bay	4.6			

Segment ID: 2463 **Water body name:** Mesquite Bay/Carlos Bay/Ayres Bay

Estuary	Bays and Estuaries	Total size:	12.6	Sq. miles
---------	--------------------	-------------	------	-----------

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
-----------------	-------------------	----------------------------------	----------	---------------	--------------	------------------	------

General Use

2002	Water Temperature	Fully Supporting	Northern portion of Mesquite Bay	8	12	0	
2002	pH	Fully Supporting	Northern portion of Mesquite Bay	8	12	0	
2002	Overall General Use	Fully Supporting	Northern portion of Mesquite Bay	8			
2002	Overall General Use	Not Assessed	Remainder of bay	4.6			

Fish Consumption Use

2002	Human Health Criteria Metals	No Concern-Limited Data	Northern portion of Mesquite Bay	8	4		
2002	Overall Fish Consumption Use	Not Assessed	Northern portion of Mesquite Bay	8			
2002	Overall Fish Consumption Use	Not Assessed	Remainder of bay	4.6			

Oyster Waters Use

2002	TDH Maps	Not Assessed	0.6 square miles near the Intracoastal Waterway	0.6			
2002	TDH Maps	Fully Supporting	12.0 square miles in the main portions of the three bays	12			

Overall Use Support

2002		Fully Supporting	Northern portion of Mesquite Bay	8			
2002		Fully Supporting	Remainder of bay	4.6			

Nutrient Enrichment Concern

2002	Ammonia Nitrogen	No Concern	Northern portion of Mesquite Bay	8	15	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	Northern portion of Mesquite Bay	8	15	2	
2002	Orthophosphorus	No Concern	Northern portion of Mesquite Bay	8	13	0	
2002	Total Phosphorus	No Concern	Northern portion of Mesquite Bay	8	15	0	

Segment ID: 2463 **Water body name:** Mesquite Bay/Carlos Bay/Ayres Bay

Estuary	Bays and Estuaries	Total size:	12.6	Sq. miles
---------	--------------------	-------------	------	-----------

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
-----------------	-------------------	----------------------------------	----------	---------------	--------------	------------------	------

Overall Secondary Concern (continued)

2002		No Concern	Remainder of bay	4.6			
------	--	------------	------------------	-----	--	--	--