Segment ID: 2451 **Water body name:** Matagorda Bay/Powderhorn Lake

Estuary | Bays and Estuaries | Total size: 261.7 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	East half of main bay	70	14	1	
Dissolved Oxygen grab average	Not Assessed	Northeast area of bay	60	7	0	
Dissolved Oxygen grab average	No Concern	Powderhorn Lake	4	15	0	
Dissolved Oxygen grab average	No Concern	West half of main bay	70	20	0	
Dissolved Oxygen grab minimum	Fully Supporting	East half of main bay	70	14	0	
Dissolved Oxygen grab minimum	No Concern-Limited Data	Northeast area of bay	60	7	0	
Dissolved Oxygen grab minimum	Fully Supporting	Powderhorn Lake	4	15	0	
Dissolved Oxygen grab minimum	Fully Supporting	West half of main bay	70	20	0	
Dissolved Oxygen 24hr average	Not Assessed	East half of main bay	70	0		
Dissolved Oxygen 24hr average	Not Assessed	Northeast area of bay	60	0		
Dissolved Oxygen 24hr average	Not Assessed	Powderhorn Lake	4	0		
Dissolved Oxygen 24hr average	Not Assessed	West half of main bay	70	0		
Dissolved Oxygen 24hr minimum	Not Assessed	East half of main bay	70	0		
Dissolved Oxygen 24hr minimum	Not Assessed	Northeast area of bay	60	0		
Dissolved Oxygen 24hr minimum	Not Assessed	Powderhorn Lake	4	0		
Dissolved Oxygen 24hr minimum	Not Assessed	West half of main bay	70	0		
Overall Aquatic Life Use	Fully Supporting	East half of main bay	70			
Overall Aquatic Life Use	Not Assessed	Northeast area of bay	60			
Overall Aquatic Life Use	Fully Supporting	Powderhorn Lake	4			
Overall Aquatic Life Use	Not Assessed	Remainder of segment	57.7			
Overall Aquatic Life Use	Fully Supporting	West half of main bay	70			
Contact Recreation Use						
Enterococci single sample	Not Assessed	East half of main bay	70	0		
Enterococci single sample	Not Assessed	Northeast area of bay	60	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 single sample	Not Assessed	Powderhorn Lake	4	0		
Enterococci single sample	Not Assessed	West half of main bay	70	0		
Enterococci geometric mean	Not Assessed	East half of main bay	70	0		
Enterococci geometric mean	Not Assessed	Northeast area of bay	60	0		
Enterococci geometric mean	Not Assessed	Powderhorn Lake	4	0		
Enterococci geometric mean	Not Assessed	West half of main bay	70	0		
Fecal coliform single sample	Fully Supporting	East half of main bay	70	134	2	
Fecal coliform single sample	Fully Supporting	Northeast area of bay	60	183	4	
Fecal coliform single sample	Fully Supporting	Powderhorn Lake	4	282	1	
Fecal coliform single sample	Fully Supporting	West half of main bay	70	163	0	
Fecal coliform geometric mean	Fully Supporting	East half of main bay	70	134		4
Fecal coliform geometric mean	Fully Supporting	Northeast area of bay	60	183		10
Fecal coliform geometric mean	Fully Supporting	Powderhorn Lake	4	282		4
Fecal coliform geometric mean	Fully Supporting	West half of main bay	70	163		5
Overall Recreation Use	Fully Supporting	East half of main bay	70			
Overall Recreation Use	Fully Supporting	Northeast area of bay	60			
Overall Recreation Use	Fully Supporting	Powderhorn Lake	4			
Overall Recreation Use	Not Assessed	Remainder of segment	57.7			
Overall Recreation Use	Fully Supporting	West half of main bay	70			
General Use						
Water Temperature	Fully Supporting	East half of main bay	70	14	0	
Water Temperature	No Concern-Limited Data	Northeast area of bay	60	7	0	
Water Temperature	Fully Supporting	Powderhorn Lake	4	15	0	
Water Temperature	Fully Supporting	West half of main bay	70	20	0	

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Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
General Use (continued)						
pH	Fully Supporting	East half of main bay	70	14	0	
pH	No Concern-Limited Data	Northeast area of bay	60	7	0	
pH	Fully Supporting	Powderhorn Lake	4	15	0	
pH	Fully Supporting	West half of main bay	70	20	0	
Overall General Use	Fully Supporting	East half of main bay	70			
Overall General Use	Not Assessed	Northeast area of bay	60			
Overall General Use	Fully Supporting	Powderhorn Lake	4			
Overall General Use	Not Assessed	Remainder of segment	57.7			
Overall General Use	Fully Supporting	West half of main bay	70			
Fish Consumption Use						
Overall Fish Consumption Use	Not Assessed	East half of main bay	70			
Overall Fish Consumption Use	Not Assessed	Northeast area of bay	60			
Overall Fish Consumption Use	Not Assessed	Powderhorn Lake	4			
Overall Fish Consumption Use	Not Assessed	Remainder of segment	57.7			
Overall Fish Consumption Use	Not Assessed	West half of main bay	70			
Oyster Waters Use						
TDH Maps	Not Supporting	21.7 square miles at the east end of the bay	21.7			
TDH Maps	Fully Supporting	240 square miles in the main portion of the bay and Powderhorn Lake	240			
Overall Use Support						
	Not Supporting	21.7 square miles at the east end of the bay	21.7			
	Fully Supporting	240 square miles in the main portion of the bay and Powderhorn Lake	240			

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Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Nutrient Enrichment Concern						
Ammonia Nitrogen	No Concern	East half of main bay	70	13	0	
Ammonia Nitrogen	Not Assessed	Northeast area of bay	60	7	1	
Ammonia Nitrogen	No Concern	Powderhorn Lake	4	19	3	
Ammonia Nitrogen	No Concern	West half of main bay	70	21	0	
Nitrite + Nitrate Nitrogen	No Concern	East half of main bay	70	13	2	
Nitrite + Nitrate Nitrogen	Not Assessed	Northeast area of bay	60	7	1	
Nitrite + Nitrate Nitrogen	No Concern	Powderhorn Lake	4	19	2	
Nitrite + Nitrate Nitrogen	No Concern	West half of main bay	70	21	3	
Orthophosphorus	No Concern	East half of main bay	70	13	0	
Orthophosphorus	Not Assessed	Northeast area of bay	60	7	1	
Orthophosphorus	No Concern	Powderhorn Lake	4	15	0	
Orthophosphorus	No Concern	West half of main bay	70	19	0	
Total Phosphorus	No Concern	East half of main bay	70	13	1	
Total Phosphorus	Not Assessed	Northeast area of bay	60	6	1	
Total Phosphorus	No Concern	Powderhorn Lake	4	22	2	
Total Phosphorus	No Concern	West half of main bay	70	21	0	
Overall Nutrient Enrichment Concerns	No Concern	East half of main bay	70			
Overall Nutrient Enrichment Concerns	Not Assessed	Northeast area of bay	60			
Overall Nutrient Enrichment Concerns	No Concern	Powderhorn Lake	4			
Overall Nutrient Enrichment Concerns	Not Assessed	Remainder of segment	57.7			
Overall Nutrient Enrichment Concerns	No Concern	West half of main bay	70			
Algal Growth Concern						
Chlorophyll a	Not Assessed	East half of main bay	70	4	1	
Chlorophyll a	Not Assessed	Northeast area of bay	60	7	0	

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Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Algal Growth Concern (continued)						
Chlorophyll a	No Concern	Powderhorn Lake	4	19	0	
Chlorophyll a	Not Assessed	Remainder of segment	57.7			
Chlorophyll a	No Concern	West half of main bay	70	21	2	
Sediment Contaminants Concern						
Metals in sediment	Not Assessed	Powderhorn Lake	4	2		
Organics in sediment	Not Assessed	Powderhorn Lake	4	2		
Overall Sediment Contaminant Concerns	Not Assessed	East half of main bay	70			
Overall Sediment Contaminant Concerns	Not Assessed	Northeast area of bay	60			
Overall Sediment Contaminant Concerns	Not Assessed	Powderhorn Lake	4			
Overall Sediment Contaminant Concerns	Not Assessed	Remainder of segment	57.7			
Overall Sediment Contaminant Concerns	Not Assessed	West half of main bay	70			
Fish Tissue Contaminants Concern						
Overall Fish Tissue Contaminant Concerns	Not Assessed	East half of main bay	70			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Northeast area of bay	60			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Powderhorn Lake	4			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Remainder of segment	57.7			
Overall Fish Tissue Contaminant Concerns	Not Assessed	West half of main bay	70			

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Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Narrative Criteria Concern						
Overall Narrative Criteria Concerns	No Concern	East half of main bay	70			
Overall Narrative Criteria Concerns	No Concern	Northeast area of bay	60			
Overall Narrative Criteria Concerns	No Concern	Powderhorn Lake	4			
Overall Narrative Criteria Concerns	No Concern	Remainder of segment	57.7			
Overall Narrative Criteria Concerns	No Concern	West half of main bay	70			
Overall Secondary Concern						
	No Concern	East half of main bay	70			
	No Concern	Northeast area of bay	60			
	No Concern	Powderhorn Lake	4			
	No Concern	Remainder of segment	57.7			
	No Concern	West half of main bay	70			