

Segment ID: 2451

Water body name: Matagorda Bay/Powderhorn Lake

Estuary

Bays and Estuaries

Total size:

261.7 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	East half of main bay	70	14	1	
2002	Dissolved Oxygen grab average	Not Assessed	Northeast area of bay	60	7	0	
2002	Dissolved Oxygen grab average	No Concern	Powderhorn Lake	4	15	0	
2002	Dissolved Oxygen grab average	No Concern	West half of main bay	70	20	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	East half of main bay	70	14	0	
2002	Dissolved Oxygen grab minimum	No Concern-Limited Data	Northeast area of bay	60	7	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Powderhorn Lake	4	15	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	West half of main bay	70	20	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	East half of main bay	70	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Northeast area of bay	60	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Powderhorn Lake	4	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	West half of main bay	70	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	East half of main bay	70	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Northeast area of bay	60	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Powderhorn Lake	4	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	West half of main bay	70	0		
2002	Overall Aquatic Life Use	Fully Supporting	East half of main bay	70			
2002	Overall Aquatic Life Use	Not Assessed	Northeast area of bay	60			
2002	Overall Aquatic Life Use	Fully Supporting	Powderhorn Lake	4			
2002	Overall Aquatic Life Use	Not Assessed	Remainder of segment	57.7			
2002	Overall Aquatic Life Use	Fully Supporting	West half of main bay	70			

**Contact Recreation Use**

2002	Enterococci single sample	Not Assessed	East half of main bay	70	0		
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**General Use** (continued)

2002	Water Temperature	Fully Supporting	Powderhorn Lake	4	15	0	
2002	Water Temperature	Fully Supporting	West half of main bay	70	20	0	
2002	pH	Fully Supporting	East half of main bay	70	14	0	
2002	pH	No Concern-Limited Data	Northeast area of bay	60	7	0	
2002	pH	Fully Supporting	Powderhorn Lake	4	15	0	
2002	pH	Fully Supporting	West half of main bay	70	20	0	
2002	Overall General Use	Fully Supporting	East half of main bay	70			
2002	Overall General Use	Not Assessed	Northeast area of bay	60			
2002	Overall General Use	Fully Supporting	Powderhorn Lake	4			
2002	Overall General Use	Not Assessed	Remainder of segment	57.7			
2002	Overall General Use	Fully Supporting	West half of main bay	70			

**Fish Consumption Use**

2002	Overall Fish Consumption Use	Not Assessed	East half of main bay	70			
2002	Overall Fish Consumption Use	Not Assessed	Northeast area of bay	60			
2002	Overall Fish Consumption Use	Not Assessed	Powderhorn Lake	4			
2002	Overall Fish Consumption Use	Not Assessed	Remainder of segment	57.7			
2002	Overall Fish Consumption Use	Not Assessed	West half of main bay	70			

**Oyster Waters Use**

2004	TDH Maps	Fully Supporting	180 square miles in the main portion of the bay and Powderhorn Lake (OW)	180			
2004	TDH Maps	Not Supporting	21.7 square miles at the east end of the bay (OW)	21.7			
2004	TDH Maps	Use Concern	60 square miles in the eastern portion of the bay (OW)	60			

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**Oyster Waters Use** (continued)

2004	Overall Oyster Waters Use	Fully Supporting	180 square miles in the main portion of the bay and Powderhorn Lake (OW)	180			
2004	Overall Oyster Waters Use	Not Supporting	21.7 square miles at the east end of the bay (OW)	21.7			
2004	Overall Oyster Waters Use	Fully Supporting	60 square miles in the eastern portion of the bay (OW)	60			

**Overall Use Support**

2004		Fully Supporting	180 square miles in the main portion of the bay and Powderhorn Lake (OW)	180			
2004		Not Supporting	21.7 square miles at the east end of the bay (OW)	21.7			
2004		Fully Supporting	60 square miles in the eastern portion of the bay (OW)	60			

**Nutrient Enrichment Concern**

2002	Ammonia Nitrogen	No Concern	East half of main bay	70	13	0	
2002	Ammonia Nitrogen	Not Assessed	Northeast area of bay	60	7	1	
2002	Ammonia Nitrogen	No Concern	Powderhorn Lake	4	19	3	
2002	Ammonia Nitrogen	No Concern	West half of main bay	70	21	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	East half of main bay	70	13	2	
2002	Nitrite + Nitrate Nitrogen	Not Assessed	Northeast area of bay	60	7	1	
2002	Nitrite + Nitrate Nitrogen	No Concern	Powderhorn Lake	4	19	2	
2002	Nitrite + Nitrate Nitrogen	No Concern	West half of main bay	70	21	3	
2002	Orthophosphorus	No Concern	East half of main bay	70	13	0	
2002	Orthophosphorus	Not Assessed	Northeast area of bay	60	7	1	
2002	Orthophosphorus	No Concern	Powderhorn Lake	4	15	0	
2002	Orthophosphorus	No Concern	West half of main bay	70	19	0	
2002	Total Phosphorus	No Concern	East half of main bay	70	13	1	

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**Nutrient Enrichment Concern** (continued)

2002	Total Phosphorus	Not Assessed	Northeast area of bay	60	6	1	
2002	Total Phosphorus	No Concern	Powderhorn Lake	4	22	2	
2002	Total Phosphorus	No Concern	West half of main bay	70	21	0	
2002	Overall Nutrient Enrichment Concerns	No Concern	East half of main bay	70			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Northeast area of bay	60			
2002	Overall Nutrient Enrichment Concerns	No Concern	Powderhorn Lake	4			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Remainder of segment	57.7			
2002	Overall Nutrient Enrichment Concerns	No Concern	West half of main bay	70			

**Algal Growth Concern**

2002	Chlorophyll a	Not Assessed	East half of main bay	70	4	1	
2002	Chlorophyll a	Not Assessed	Northeast area of bay	60	7	0	
2002	Chlorophyll a	No Concern	Powderhorn Lake	4	19	0	
2002	Chlorophyll a	Not Assessed	Remainder of segment	57.7			
2002	Chlorophyll a	No Concern	West half of main bay	70	21	2	

**Sediment Contaminants Concern**

2002	Metals in sediment	Not Assessed	Powderhorn Lake	4	2		
2002	Organics in sediment	Not Assessed	Powderhorn Lake	4	2		
2002	Overall Sediment Contaminant Concerns	Not Assessed	East half of main bay	70			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Northeast area of bay	60			



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**Overall Secondary Concern**

2002		No Concern	East half of main bay	70			
2002		No Concern	Northeast area of bay	60			
2002		No Concern	Powderhorn Lake	4			
2002		No Concern	Remainder of segment	57.7			
2002		No Concern	West half of main bay	70			