

**Segment ID:** 1242A      **Water body name:** Marlin City Lake System (unclassified water body)

Reservoir	Brazos River Basin		Total size:	700	Acres		
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	Not Assessed	New Marlin City Lake	487	6	1	
2002	Dissolved Oxygen grab average	Not Assessed	Old Marlin City Lake	213	6	0	
2002	Dissolved Oxygen grab minimum	No Concern-Limited Data	New Marlin City Lake	487	6	0	
2002	Dissolved Oxygen grab minimum	No Concern-Limited Data	Old Marlin City Lake	213	6	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	New Marlin City Lake	487	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Old Marlin City Lake	213	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	New Marlin City Lake	487	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Old Marlin City Lake	213	0		
2002	Acute Organics in water	No Concern-Limited Data	New Marlin City Lake	487	6	0	
2002	Acute Organics in water	No Concern-Limited Data	Old Marlin City Lake	213	6	0	
2002	Chronic Organics in water	No Concern-Limited Data	New Marlin City Lake	487	6		
2002	Chronic Organics in water	No Concern-Limited Data	Old Marlin City Lake	213	6		
2002	Overall Aquatic Life Use	Not Assessed	New Marlin City Lake	487			
2002	Overall Aquatic Life Use	Not Assessed	Old Marlin City Lake	213			

**Contact Recreation Use**

2002	E. coli single sample	Not Assessed	New Marlin City Lake	487	1	0	
2002	E. coli single sample	Not Assessed	Old Marlin City Lake	213	1	1	
2002	E. coli geometric mean	Not Assessed	New Marlin City Lake	487	1		138

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**Contact Recreation Use** (continued)

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
2002	E. coli geometric mean	Not Assessed	Old Marlin City Lake	213	1		
2002	Fecal coliform single sample	No Concern-Limited Data	New Marlin City Lake	487	5	0	
2002	Fecal coliform single sample	No Concern-Limited Data	Old Marlin City Lake	213	6	1	
2002	Fecal coliform geometric mean	No Concern-Limited Data	New Marlin City Lake	487	5		7
2002	Fecal coliform geometric mean	No Concern-Limited Data	Old Marlin City Lake	213	6		12
2002	Overall Recreation Use	Not Assessed	New Marlin City Lake	487			
2002	Overall Recreation Use	Not Assessed	Old Marlin City Lake	213			

**Fish Consumption Use**

2002	Human Health Criteria Organics	No Concern-Limited Data	New Marlin City Lake	487	6		
2002	Human Health Criteria Organics	No Concern-Limited Data	Old Marlin City Lake	213	6		
2002	Overall Fish Consumption Use	Not Assessed	New Marlin City Lake	487			
2002	Overall Fish Consumption Use	Not Assessed	Old Marlin City Lake	213			

**Public Water Supply Use**

2002	Finished Water: Running Avg	Fully Supporting	New Marlin City Lake	487			
2002	Finished Water: Running Avg	Fully Supporting	Old Marlin City Lake	213			
2002	Finished Water: MCLs Threatened Atrazine	Threatened	New Marlin City Lake	487	19		
2002	Finished Water: MCLs Threatened Atrazine	Threatened	Old Marlin City Lake	213	19		



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**Nutrient Enrichment Concern** (continued)

2002	Nitrite + Nitrate Nitrogen	Not Assessed	Old Marlin City Lake	213	6	0		
2002	Orthophosphorus	Not Assessed	New Marlin City Lake	487	6	1		
2002	Orthophosphorus	Not Assessed	Old Marlin City Lake	213	6	2		
2002	Total Phosphorus	Not Assessed	New Marlin City Lake	487	6	3		
2002	Total Phosphorus	Not Assessed	Old Marlin City Lake	213	6	4		
2002	Overall Nutrient Enrichment Concerns	Not Assessed	New Marlin City Lake	487				
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Old Marlin City Lake	213				

**Algal Growth Concern**

2002	Chlorophyll a	Not Assessed	New Marlin City Lake	487	6	3		
2002	Chlorophyll a	Not Assessed	Old Marlin City Lake	213	6	0		

**Sediment Contaminants Concern**

2002	Overall Sediment Contaminant Concerns	Not Assessed	New Marlin City Lake	487				
2002	Overall Sediment Contaminant Concerns	Not Assessed	Old Marlin City Lake	213				

**Fish Tissue Contaminants Concern**

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	New Marlin City Lake	487				
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Old Marlin City Lake	213				

**Public Water Supply Concern**

2002	Finished Water: Chloride	No Concern	New Marlin City Lake	487				
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<b>Public Water Supply Concern</b> (continued)							
2002	Finished Water: Chloride	No Concern	Old Marlin City Lake	213			
2002	Finished Water: Sulfate	No Concern	New Marlin City Lake	487			
2002	Finished Water: Sulfate	No Concern	Old Marlin City Lake	213			
2002	Finished Water: Total Dissolved Solids	No Concern	New Marlin City Lake	487			
2002	Finished Water: Total Dissolved Solids	No Concern	Old Marlin City Lake	213			
2002	Finished Water: MTBE	No Concern	New Marlin City Lake	487			
2002	Finished Water: MTBE	No Concern	Old Marlin City Lake	213			
2002	Finished Water: Perchlorate	Not Assessed	New Marlin City Lake	487			
2002	Finished Water: Perchlorate	Not Assessed	Old Marlin City Lake	213			
2002	Finished Water: Overall	No Concern	New Marlin City Lake	487			
2002	Finished Water: Overall	No Concern	Old Marlin City Lake	213			
2002	Surface Water: Chloride	No Concern	New Marlin City Lake	487	12		64
2002	Surface Water: Chloride	No Concern	Old Marlin City Lake	213	12		64
2002	Surface Water: Sulfate	No Concern	New Marlin City Lake	487	12		39.1
2002	Surface Water: Sulfate	No Concern	Old Marlin City Lake	213	12		39.1
2002	Surface Water: Total Dissolved Solids	No Concern	New Marlin City Lake	487	12		314.45
2002	Surface Water: Total Dissolved Solids	No Concern	Old Marlin City Lake	213	12		314.45
2002	Surface Water: Overall	No Concern	New Marlin City Lake	487			
2002	Surface Water: Overall	No Concern	Old Marlin City Lake	213			

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Reservoir

Brazos River Basin

Total size:

700

Acres

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
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**Public Water Supply Concern** (continued)

2002	Overall Public Water Supply Concerns	No Concern	New Marlin City Lake	487			
2002	Overall Public Water Supply Concerns	No Concern	Old Marlin City Lake	213			

**Narrative Criteria Concern**

2002	Overall Narrative Criteria Concerns	No Concern	New Marlin City Lake	487			
2002	Overall Narrative Criteria Concerns	No Concern	Old Marlin City Lake	213			

**Overall Secondary Concern**

2002		No Concern	New Marlin City Lake	487			
2002		No Concern	Old Marlin City Lake	213			