

Segment ID: 1225 Water body name: Waco Lake

Reservoir	Brazos River Basin			Total size:	7,178	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	No Concern	Middle/South Bosque River arm of lake	2,521	130	6	
2002	Dissolved Oxygen grab average	No Concern	North Bosque River arm of lake	2,641	265	3	
2002	Dissolved Oxygen grab average	No Concern	Portion of lake near dam	2,016	163	5	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Middle/South Bosque River arm of lake	2,521	130	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	North Bosque River arm of lake	2,641	265	1	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Portion of lake near dam	2,016	163	1	
2002	Dissolved Oxygen 24hr average	Not Assessed	Middle/South Bosque River arm of lake	2,521	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	North Bosque River arm of lake	2,641	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Portion of lake near dam	2,016	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Middle/South Bosque River arm of lake	2,521	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	North Bosque River arm of lake	2,641	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Portion of lake near dam	2,016	0		
2002	Acute Organics in water	Not Assessed	Portion of lake near dam	2,016	2		
2002	Overall Aquatic Life Use	Fully Supporting	Middle/South Bosque River arm of lake	2,521			
2002	Overall Aquatic Life Use	Fully Supporting	North Bosque River arm of lake	2,641			
2002	Overall Aquatic Life Use	Fully Supporting	Portion of lake near dam	2,016			

Contact Recreation Use

2002	E. coli single sample	Not Assessed	Middle/South Bosque River arm of lake	2,521	0		
2002	E. coli single sample	Not Assessed	North Bosque River arm of lake	2,641	0		
2002	E. coli single sample	Not Assessed	Portion of lake near dam	2,016	0		
2002	E. coli geometric mean	Not Assessed	Middle/South Bosque River arm of lake	2,521	0		
2002	E. coli geometric mean	Not Assessed	North Bosque River arm of lake	2,641	0		

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Contact Recreation Use (continued)							
2002	E. coli geometric mean	Not Assessed	Portion of lake near dam	2,016	0		
2002	Fecal coliform single sample	Fully Supporting	Middle/South Bosque River arm of lake	2,521	67	4	
2002	Fecal coliform single sample	Fully Supporting	North Bosque River arm of lake	2,641	68	0	
2002	Fecal coliform single sample	Fully Supporting	Portion of lake near dam	2,016	53	2	
2002	Fecal coliform geometric mean	Fully Supporting	Middle/South Bosque River arm of lake	2,521	67		2
2002	Fecal coliform geometric mean	Fully Supporting	North Bosque River arm of lake	2,641	68		11.17
2002	Fecal coliform geometric mean	Fully Supporting	Portion of lake near dam	2,016	53		9.5
2002	Overall Recreation Use	Fully Supporting	Middle/South Bosque River arm of lake	2,521			
2002	Overall Recreation Use	Fully Supporting	North Bosque River arm of lake	2,641			
2002	Overall Recreation Use	Fully Supporting	Portion of lake near dam	2,016			
General Use							
2002	Water Temperature	Fully Supporting	Middle/South Bosque River arm of lake	2,521	234	0	
2002	Water Temperature	Fully Supporting	North Bosque River arm of lake	2,641	244	0	
2002	Water Temperature	Fully Supporting	Portion of lake near dam	2,016	175	0	
2002	pH	Fully Supporting	Middle/South Bosque River arm of lake	2,521	234	0	
2002	pH	Fully Supporting	North Bosque River arm of lake	2,641	244	0	
2002	pH	Fully Supporting	Portion of lake near dam	2,016	175	0	
2002	Chloride	Fully Supporting	Middle/South Bosque River arm of lake	2,521	40		14.72
2002	Chloride	Fully Supporting	North Bosque River arm of lake	2,641	40		14.72
2002	Chloride	Fully Supporting	Portion of lake near dam	2,016	40		14.72
2002	Sulfate	Fully Supporting	Middle/South Bosque River arm of lake	2,521	40		25.57
2002	Sulfate	Fully Supporting	North Bosque River arm of lake	2,641	40		25.57

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 Reservoir Brazos River Basin Total size: 7,178 Acres

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General Use (continued)

2002	Sulfate	Fully Supporting	Portion of lake near dam	2,016	40		25.57
2002	Total Dissolved Solids	Fully Supporting	Middle/South Bosque River arm of lake	2,521	674		226.2
2002	Total Dissolved Solids	Fully Supporting	North Bosque River arm of lake	2,641	674		226.2
2002	Total Dissolved Solids	Fully Supporting	Portion of lake near dam	2,016	674		226.2
2002	Overall General Use	Fully Supporting	Middle/South Bosque River arm of lake	2,521			
2002	Overall General Use	Fully Supporting	North Bosque River arm of lake	2,641			
2002	Overall General Use	Fully Supporting	Portion of lake near dam	2,016			

Fish Consumption Use

2002	Overall Fish Consumption Use	Not Assessed	Middle/South Bosque River arm of lake	2,521			
2002	Overall Fish Consumption Use	Not Assessed	North Bosque River arm of lake	2,641			
2002	Overall Fish Consumption Use	Not Assessed	Portion of lake near dam	2,016			

Public Water Supply Use

2002	Overall Public Water Supply Use	Fully Supporting	Middle/South Bosque River arm of lake	2,521			
2002	Overall Public Water Supply Use	Fully Supporting	North Bosque River arm of lake	2,641			
2002	Overall Public Water Supply Use	Fully Supporting	Portion of lake near dam	2,016			

Overall Use Support

2002		Fully Supporting	Middle/South Bosque River arm of lake	2,521			
2002		Fully Supporting	North Bosque River arm of lake	2,641			
2002		Fully Supporting	Portion of lake near dam	2,016			

Nutrient Enrichment Concern

2002	Ammonia Nitrogen	No Concern	Middle/South Bosque River arm of lake	2,521	229	19	
2002	Ammonia Nitrogen	No Concern	North Bosque River arm of lake	2,641	235	19	

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Nutrient Enrichment Concern (continued)

2002	Ammonia Nitrogen	No Concern	Portion of lake near dam	2,016	154	13	
2002	Nitrite + Nitrate Nitrogen	Concern	Middle/South Bosque River arm of lake	2,521	235	113	
2002	Nitrite + Nitrate Nitrogen	Concern	North Bosque River arm of lake	2,641	245	85	
2002	Nitrite + Nitrate Nitrogen	Concern	Portion of lake near dam	2,016	176	73	
2002	Orthophosphorus	No Concern	Middle/South Bosque River arm of lake	2,521	233	14	
2002	Orthophosphorus	No Concern	North Bosque River arm of lake	2,641	244	12	
2002	Orthophosphorus	No Concern	Portion of lake near dam	2,016	175	11	
2002	Total Phosphorus	No Concern	Middle/South Bosque River arm of lake	2,521	228	32	
2002	Total Phosphorus	No Concern	North Bosque River arm of lake	2,641	236	40	
2002	Total Phosphorus	No Concern	Portion of lake near dam	2,016	156	21	
2002	Overall Nutrient Enrichment Concerns	Concern	Middle/South Bosque River arm of lake	2,521			
2002	Overall Nutrient Enrichment Concerns	Concern	North Bosque River arm of lake	2,641			
2002	Overall Nutrient Enrichment Concerns	Concern	Portion of lake near dam	2,016			

Algal Growth Concern

2002	Chlorophyll a	Concern	Middle/South Bosque River arm of lake	2,521	215	70	
2002	Chlorophyll a	Concern	North Bosque River arm of lake	2,641	211	92	
2002	Chlorophyll a	Concern	Portion of lake near dam	2,016	109	33	

Sediment Contaminants Concern

2002	Overall Sediment Contaminant Concerns	Not Assessed	Middle/South Bosque River arm of lake	2,521			
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Sediment Contaminants Concern (continued)

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
2002	Overall Sediment Contaminant Concerns	Not Assessed	North Bosque River arm of lake	2,641			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Portion of lake near dam	2,016			

Fish Tissue Contaminants Concern

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Middle/South Bosque River arm of lake	2,521			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	North Bosque River arm of lake	2,641			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Portion of lake near dam	2,016			

Public Water Supply Concern

2002	Finished Water: Chloride	No Concern	Middle/South Bosque River arm of lake	2,521			
2002	Finished Water: Chloride	No Concern	North Bosque River arm of lake	2,641			
2002	Finished Water: Chloride	No Concern	Portion of lake near dam	2,016			
2002	Finished Water: Sulfate	No Concern	Middle/South Bosque River arm of lake	2,521			
2002	Finished Water: Sulfate	No Concern	North Bosque River arm of lake	2,641			
2002	Finished Water: Sulfate	No Concern	Portion of lake near dam	2,016			
2002	Finished Water: Total Dissolved Solids	No Concern	Middle/South Bosque River arm of lake	2,521			
2002	Finished Water: Total Dissolved Solids	No Concern	North Bosque River arm of lake	2,641			
2002	Finished Water: Total Dissolved Solids	No Concern	Portion of lake near dam	2,016			
2002	Finished Water: MTBE	No Concern	Middle/South Bosque River arm of lake	2,521			
2002	Finished Water: MTBE	No Concern	North Bosque River arm of lake	2,641			

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Public Water Supply Concern (continued)

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
2002	Finished Water: MTBE	No Concern	Portion of lake near dam	2,016			
2002	Finished Water: Perchlorate	Not Assessed	Middle/South Bosque River arm of lake	2,521			
2002	Finished Water: Perchlorate	Not Assessed	North Bosque River arm of lake	2,641			
2002	Finished Water: Perchlorate	Not Assessed	Portion of lake near dam	2,016			
2002	Finished Water: Overall	No Concern	Middle/South Bosque River arm of lake	2,521			
2002	Finished Water: Overall	No Concern	North Bosque River arm of lake	2,641			
2002	Finished Water: Overall	No Concern	Portion of lake near dam	2,016			
2002	Surface Water: Chloride	No Concern	Middle/South Bosque River arm of lake	2,521	40		14.72
2002	Surface Water: Chloride	No Concern	North Bosque River arm of lake	2,641	40		14.72
2002	Surface Water: Chloride	No Concern	Portion of lake near dam	2,016	40		14.72
2002	Surface Water: Sulfate	No Concern	Middle/South Bosque River arm of lake	2,521	40		25.57
2002	Surface Water: Sulfate	No Concern	North Bosque River arm of lake	2,641	40		25.57
2002	Surface Water: Sulfate	No Concern	Portion of lake near dam	2,016	40		25.57
2002	Surface Water: Total Dissolved Solids	No Concern	Middle/South Bosque River arm of lake	2,521	674		226.2
2002	Surface Water: Total Dissolved Solids	No Concern	North Bosque River arm of lake	2,641	674		226.2
2002	Surface Water: Total Dissolved Solids	No Concern	Portion of lake near dam	2,016	674		226.2
2002	Surface Water: Overall	No Concern	Middle/South Bosque River arm of lake	2,521			
2002	Surface Water: Overall	No Concern	North Bosque River arm of lake	2,641			
2002	Surface Water: Overall	No Concern	Portion of lake near dam	2,016			
2002	Overall Public Water Supply Concerns	No Concern	Middle/South Bosque River arm of lake	2,521			

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Reservoir

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7,178

Acres

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Public Water Supply Concern (continued)

2002	Overall Public Water Supply Concerns	No Concern	North Bosque River arm of lake	2,641			
2002	Overall Public Water Supply Concerns	No Concern	Portion of lake near dam	2,016			

Narrative Criteria Concern

2002	Overall Narrative Criteria Concerns	No Concern	Middle/South Bosque River arm of lake	2,521			
2002	Overall Narrative Criteria Concerns	No Concern	North Bosque River arm of lake	2,641			
2002	Overall Narrative Criteria Concerns	No Concern	Portion of lake near dam	2,016			

Overall Secondary Concern

2002		Concern	Middle/South Bosque River arm of lake	2,521			
2002		Concern	North Bosque River arm of lake	2,641			
2002		Concern	Portion of lake near dam	2,016			