

Segment ID: 1224 Water body name: Leon Reservoir

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Reservoir		Brazos River Basin		Total size:	1,590	Acres	

Aquatic Life Use

2002	Dissolved Oxygen grab average	Not Assessed	Entire Segment	1,590	8	0	
2002	Dissolved Oxygen grab minimum	No Concern-Limited Data	Entire Segment	1,590	8	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	Entire Segment	1,590	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Entire Segment	1,590	0		
2002	Acute Metals in water	No Concern-Limited Data	Entire Segment	1,590	4		
2002	Chronic Metals in water	No Concern-Limited Data	Entire Segment	1,590	4		
2002	Overall Aquatic Life Use	Not Assessed	Entire Segment	1,590			

Contact Recreation Use

2002	E. coli single sample	Not Assessed	Entire Segment	1,590	0		
2002	E. coli geometric mean	Not Assessed	Entire Segment	1,590	0		
2002	Fecal coliform single sample	No Concern-Limited Data	Entire Segment	1,590	8	0	
2002	Fecal coliform geometric mean	No Concern-Limited Data	Entire Segment	1,590	8		3
2002	Overall Recreation Use	Not Assessed	Entire Segment	1,590			

General Use

2002	Water Temperature	No Concern-Limited Data	Entire Segment	1,590	8	0	
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General Use (continued)

2002	pH	No Concern-Limited Data	Entire Segment	1,590	8	0	
2002	Chloride	Fully Supporting	Entire Segment	1,590	12		62.9
2002	Sulfate	Fully Supporting	Entire Segment	1,590	12		41.03
2002	Total Dissolved Solids	Fully Supporting	Entire Segment	1,590	14		318.8
2002	Overall General Use	Fully Supporting	Entire Segment	1,590			

Fish Consumption Use

2002	Human Health Criteria Metals	No Concern-Limited Data	Entire Segment	1,590	4		
2002	Overall Fish Consumption Use	Not Assessed	Entire Segment	1,590			

Public Water Supply Use

2002	Finished Water: Running Avg	Fully Supporting	Entire Segment	1,590			
2002	Surface Water: Long-term average Metals	No Concern-Limited Data	Entire Segment	1,590	4		
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Entire Segment	1,590	12		0.054
2002	Surface Water: Running average Metals	No Concern-Limited Data	Entire Segment	1,590	4		
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	Entire Segment	1,590	12	0	
2002	Overall Public Water Supply Use	Fully Supporting	Entire Segment	1,590			

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Overall Use Support

2002		Fully Supporting	Entire Segment	1,590			
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Nutrient Enrichment Concern

2002	Ammonia Nitrogen	No Concern	Entire Segment	1,590	12	1	
2002	Nitrite + Nitrate Nitrogen	No Concern	Entire Segment	1,590	12	0	
2002	Orthophosphorus	No Concern	Entire Segment	1,590	12	0	
2002	Total Phosphorus	No Concern	Entire Segment	1,590	12	0	
2002	Overall Nutrient Enrichment Concerns	No Concern	Entire Segment	1,590			

Algal Growth Concern

2002	Chlorophyll a	No Concern	Entire Segment	1,590	12	0	
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Sediment Contaminants Concern

2002	85% Metals in sediment Barium	Not Assessed	Entire Segment	1,590	5	4	
2002	85% Metals in sediment Chromium	Not Assessed	Entire Segment	1,590	5	4	
2002	85% Metals in sediment Nickel	Not Assessed	Entire Segment	1,590	5	3	
2002	Overall Sediment Contaminant Concerns	Not Assessed	Entire Segment	1,590			

Fish Tissue Contaminants Concern

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Entire Segment	1,590			
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Public Water Supply Concern

2002	Finished Water: Chloride	No Concern	Entire Segment	1,590			
2002	Finished Water: Sulfate	No Concern	Entire Segment	1,590			
2002	Finished Water: Total Dissolved Solids	No Concern	Entire Segment	1,590			
2002	Finished Water: MTBE	No Concern	Entire Segment	1,590			
2002	Finished Water: Perchlorate	Not Assessed	Entire Segment	1,590			
2002	Finished Water: Overall	No Concern	Entire Segment	1,590			
2002	Surface Water: Chloride	No Concern	Entire Segment	1,590	12		62.9
2002	Surface Water: Sulfate	No Concern	Entire Segment	1,590	12		41
2002	Surface Water: Total Dissolved Solids	No Concern	Entire Segment	1,590	14		318.8
2002	Surface Water: Overall	No Concern	Entire Segment	1,590			
2002	Overall Public Water Supply Concerns	No Concern	Entire Segment	1,590			

Narrative Criteria Concern

2002	Overall Narrative Criteria Concerns	No Concern	Entire Segment	1,590			
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Overall Secondary Concern

2002		No Concern	Entire Segment	1,590			
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