

**Segment ID:** 1223      **Water body name:** Leon River Below Leon Reservoir

Freshwater Stream      Brazos River Basin      Total size: 35 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	Use Concern	Upstream portion of segment	23	26	6	
2002	Dissolved Oxygen grab minimum	Use Concern	Upstream portion of segment	23	26	4	
2002	Dissolved Oxygen 24hr average	Not Assessed	Upstream portion of segment	23	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Upstream portion of segment	23	0		
2002	Acute Metals in water	No Concern-Limited Data	Upstream portion of segment	23	9		
2002	Chronic Metals in water	No Concern-Limited Data	Upstream portion of segment	23	9		
2002	Overall Aquatic Life Use	Not Assessed	Downstream portion of segment	12			
2002	Overall Aquatic Life Use	Fully Supporting	Upstream portion of segment	23			

**Contact Recreation Use**

2002	E. coli single sample	Not Assessed	Upstream portion of segment	23	0		
2002	E. coli geometric mean	Not Assessed	Upstream portion of segment	23	0		
2002	Fecal coliform single sample	Fully Supporting	Upstream portion of segment	23	15	1	
2002	Fecal coliform geometric mean	Fully Supporting	Upstream portion of segment	23	15		68
2002	Overall Recreation Use	Not Assessed	Downstream portion of segment	12			
2002	Overall Recreation Use	Fully Supporting	Upstream portion of segment	23			

**General Use**

2002	Water Temperature	Fully Supporting	Upstream portion of segment	23	26	0	
2002	pH	Fully Supporting	Upstream portion of segment	23	26	0	

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**General Use** (continued)

2002	Chloride	Fully Supporting	Downstream portion of segment	12	25		244.2
2002	Chloride	Fully Supporting	Upstream portion of segment	23	25		224.2
2002	Sulfate	Fully Supporting	Downstream portion of segment	12	25		81.4
2002	Sulfate	Fully Supporting	Upstream portion of segment	23	25		81.4
2002	Total Dissolved Solids	Fully Supporting	Downstream portion of segment	12	26		785.7
2002	Total Dissolved Solids	Fully Supporting	Upstream portion of segment	23	26		785.7
2002	Overall General Use	Fully Supporting	Downstream portion of segment	12			
2002	Overall General Use	Fully Supporting	Upstream portion of segment	23			

**Fish Consumption Use**

2002	Human Health Criteria Metals	No Concern-Limited Data	Upstream portion of segment	23	9		
2002	Overall Fish Consumption Use	Not Assessed	Downstream portion of segment	12			
2002	Overall Fish Consumption Use	Not Assessed	Upstream portion of segment	23			

**Public Water Supply Use**

2002	Finished Water: Running Avg	Fully Supporting	Upstream portion of segment	23			
2002	Surface Water: Long-term average Metals	No Concern-Limited Data	Upstream portion of segment	23	9		
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Upstream portion of segment	23	25		0.592
2002	Surface Water: Running average Metals	No Concern-Limited Data	Upstream portion of segment	23	9	0	
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	Upstream portion of segment	23	25	0	

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**Public Water Supply Use** (continued)

2002	Overall Public Water Supply Use	Fully Supporting	Downstream portion of segment	12			
2002	Overall Public Water Supply Use	Fully Supporting	Upstream portion of segment	23			

**Overall Use Support**

2002		Fully Supporting	Downstream portion of segment	12			
2002		Fully Supporting	Upstream portion of segment	23			

**Nutrient Enrichment Concern**

2002	Ammonia Nitrogen	No Concern	Upstream portion of segment	23	25	1	
2002	Nitrite + Nitrate Nitrogen	No Concern	Upstream portion of segment	23	26	0	
2002	Orthophosphorus	No Concern	Upstream portion of segment	23	26	1	
2002	Total Phosphorus	No Concern	Upstream portion of segment	23	15	1	
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Downstream portion of segment	12			
2002	Overall Nutrient Enrichment Concerns	No Concern	Upstream portion of segment	23			

**Algal Growth Concern**

2002	Chlorophyll a	Not Assessed	Downstream portion of segment	12			
2002	Chlorophyll a	No Concern	Upstream portion of segment	23	15	3	

**Sediment Contaminants Concern**

2002	85% Metals in sediment Chromium	Not Assessed	Downstream portion of segment	12	4	2	
2002	85% Metals in sediment Chromium	Not Assessed	Upstream portion of segment	23	4	2	

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Miles

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**Sediment Contaminants Concern** (continued)

2002	Overall Sediment Contaminant Concerns	Not Assessed	Downstream portion of segment	12			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Upstream portion of segment	23			

**Fish Tissue Contaminants Concern**

2002	Metals in fish tissue	Not Assessed	Upstream portion of segment	23	9	0	
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Downstream portion of segment	12			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Upstream portion of segment	23			

**Public Water Supply Concern**

2002	Finished Water: Chloride	No Concern	Downstream portion of segment	12			
2002	Finished Water: Chloride	No Concern	Upstream portion of segment	23			
2002	Finished Water: Sulfate	No Concern	Downstream portion of segment	12			
2002	Finished Water: Sulfate	No Concern	Upstream portion of segment	23			
2002	Finished Water: Total Dissolved Solids	No Concern	Downstream portion of segment	12			
2002	Finished Water: Total Dissolved Solids	No Concern	Upstream portion of segment	23			
2002	Finished Water: MTBE	No Concern	Downstream portion of segment	12			
2002	Finished Water: MTBE	No Concern	Upstream portion of segment	23			
2002	Finished Water: Perchlorate	Not Assessed	Downstream portion of segment	12			
2002	Finished Water: Perchlorate	Not Assessed	Upstream portion of segment	23			
2002	Finished Water: Overall	No Concern	Downstream portion of segment	12			

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**Public Water Supply Concern** (continued)

2002	Finished Water: Overall	No Concern	Upstream portion of segment	23			
2002	Surface Water: Chloride	No Concern	Downstream portion of segment	12	25		224.2
2002	Surface Water: Chloride	No Concern	Upstream portion of segment	23	25		224.2
2002	Surface Water: Sulfate	No Concern	Downstream portion of segment	12	25		81.4
2002	Surface Water: Sulfate	No Concern	Upstream portion of segment	23	25		81.4
2002	Surface Water: Total Dissolved Solids	No Concern	Downstream portion of segment	12	26		785.7
2002	Surface Water: Total Dissolved Solids	No Concern	Upstream portion of segment	23	26		785.7
2002	Surface Water: Overall	No Concern	Downstream portion of segment	12			
2002	Surface Water: Overall	No Concern	Upstream portion of segment	23			
2002	Overall Public Water Supply Concerns	No Concern	Downstream portion of segment	12			
2002	Overall Public Water Supply Concerns	No Concern	Upstream portion of segment	23			

**Narrative Criteria Concern**

2002	Overall Narrative Criteria Concerns	No Concern	Downstream portion of segment	12			
2002	Overall Narrative Criteria Concerns	No Concern	Upstream portion of segment	23			

**Overall Secondary Concern**

2002		No Concern	Downstream portion of segment	12			
2002		No Concern	Upstream portion of segment	23			