

**Segment ID: 0821**      **Water body name: Lake Lavon**

Reservoir      Trinity River Basin      Total size:      21,400 Acres

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 Fork arm	3,593	12	0	
2002	Dissolved Oxygen grab average	Use Concern	Lowermost portion of reservoir	5,577	24	3	
2002	Dissolved Oxygen grab average	No Concern	Middle portion of Sister Grove Creek arm	5,019	12	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	East Fork arm	3,593	12	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Lowermost portion of reservoir	5,577	24	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Middle portion of Sister Grove Creek arm	5,019	12	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	East Fork arm	3,593	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Lowermost portion of reservoir	5,577	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Middle portion of Sister Grove Creek arm	5,019	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	East Fork arm	3,593	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Lowermost portion of reservoir	5,577	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Middle portion of Sister Grove Creek arm	5,019	0		
2002	Overall Aquatic Life Use	Fully Supporting	East Fork arm	3,593			
2002	Overall Aquatic Life Use	Fully Supporting	Lowermost portion of reservoir	5,577			
2002	Overall Aquatic Life Use	Fully Supporting	Middle portion of Sister Grove Creek arm	5,019			
2002	Overall Aquatic Life Use	Not Assessed	Remainder of segment	7,211			

**Contact Recreation Use**

2002	E. coli single sample	Not Assessed	Lowermost portion of reservoir	5,577	0		
2002	E. coli geometric mean	Not Assessed	Lowermost portion of reservoir	5,577	0		
2002	Fecal coliform single sample	Not Assessed	Lowermost portion of reservoir	5,577	1		
2002	Fecal coliform geometric mean	Not Assessed	Lowermost portion of reservoir	5,577	1		
2002	Overall Recreation Use	Not Assessed	East Fork arm	3,593			

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**Contact Recreation Use** (continued)

2002	Overall Recreation Use	Not Assessed	Lowermost portion of reservoir	5,577			
2002	Overall Recreation Use	Not Assessed	Middle portion of Sister Grove Creek arm	5,019			
2002	Overall Recreation Use	Not Assessed	Remainder of segment	7,211			

**General Use**

2002	Water Temperature	Fully Supporting	East Fork arm	3,593	12	0	
2002	Water Temperature	Fully Supporting	Lowermost portion of reservoir	5,577	24	0	
2002	Water Temperature	Fully Supporting	Middle portion of Sister Grove Creek arm	5,019	12	0	
2002	pH	Fully Supporting	East Fork arm	3,593	12	0	
2002	pH	Fully Supporting	Lowermost portion of reservoir	5,577	24	0	
2002	pH	Fully Supporting	Middle portion of Sister Grove Creek arm	5,019	12	0	
2002	Chloride	Fully Supporting	East Fork arm	3,593	31		20.4
2002	Chloride	Fully Supporting	Lowermost portion of reservoir	5,577	31		20.4
2002	Chloride	Fully Supporting	Middle portion of Sister Grove Creek arm	5,019	31		20.4
2002	Chloride	Fully Supporting	Remainder of segment	7,211	31		20.4
2002	Sulfate	Fully Supporting	East Fork arm	3,593	31		31.5
2002	Sulfate	Fully Supporting	Lowermost portion of reservoir	5,577	31		31.5
2002	Sulfate	Fully Supporting	Middle portion of Sister Grove Creek arm	5,019	31		31.5
2002	Sulfate	Fully Supporting	Remainder of segment	7,211	31		31.5
2002	Total Dissolved Solids	Not Assessed	East Fork arm	3,593	48		227.36
2002	Total Dissolved Solids	Not Assessed	Lowermost portion of reservoir	5,577	48		227.36
2002	Total Dissolved Solids	Not Assessed	Middle portion of Sister Grove Creek arm	5,019	48		227.36
2002	Total Dissolved Solids	Not Assessed	Remainder of segment	7,211	48		227.36
2002	Overall General Use	Fully Supporting	East Fork arm	3,593			

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**General Use** (continued)

2002	Overall General Use	Fully Supporting	Lowermost portion of reservoir	5,577			
2002	Overall General Use	Fully Supporting	Middle portion of Sister Grove Creek arm	5,019			
2002	Overall General Use	Fully Supporting	Remainder of segment	7,211			

**Fish Consumption Use**

2002	Overall Fish Consumption Use	Not Assessed	East Fork arm	3,593			
2002	Overall Fish Consumption Use	Not Assessed	Lowermost portion of reservoir	5,577			
2002	Overall Fish Consumption Use	Not Assessed	Middle portion of Sister Grove Creek arm	5,019			
2002	Overall Fish Consumption Use	Not Assessed	Remainder of segment	7,211			

**Public Water Supply Use**

2002	Finished Water: Running Avg	Fully Supporting	East Fork arm	3,593			
2002	Finished Water: Running Avg	Fully Supporting	Lowermost portion of reservoir	5,577			
2002	Finished Water: Running Avg	Fully Supporting	Middle portion of Sister Grove Creek arm	5,019			
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	East Fork arm	3,593	12		0.41
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Lowermost portion of reservoir	5,577	12		0.27
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Middle portion of Sister Grove Creek arm	5,019	12		0.2
2002	Overall Public Water Supply Use	Fully Supporting	East Fork arm	3,593			
2002	Overall Public Water Supply Use	Fully Supporting	Lowermost portion of reservoir	5,577			
2002	Overall Public Water Supply Use	Fully Supporting	Middle portion of Sister Grove Creek arm	5,019			
2002	Overall Public Water Supply Use	Fully Supporting	Remainder of segment	7,211			

**Overall Use Support**

2002		Fully Supporting	East Fork arm	3,593			
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Reservoir

Trinity River Basin

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**Overall Use Support** (continued)

2002		Fully Supporting	Lowermost portion of reservoir	5,577			
2002		Fully Supporting	Middle portion of Sister Grove Creek arm	5,019			
2002		Fully Supporting	Remainder of segment	7,211			

**Nutrient Enrichment Concern**

2002	Ammonia Nitrogen	No Concern	East Fork arm	3,593	12	0	
2002	Ammonia Nitrogen	No Concern	Lowermost portion of reservoir	5,577	12	0	
2002	Ammonia Nitrogen	No Concern	Middle portion of Sister Grove Creek arm	5,019	12	0	
2002	Nitrite + Nitrate Nitrogen	Concern	East Fork arm	3,593	12	7	
2002	Nitrite + Nitrate Nitrogen	Concern	Lowermost portion of reservoir	5,577	12	6	
2002	Nitrite + Nitrate Nitrogen	No Concern	Middle portion of Sister Grove Creek arm	5,019	12	3	
2002	Orthophosphorus	No Concern	East Fork arm	3,593	12	0	
2002	Orthophosphorus	No Concern	Lowermost portion of reservoir	5,577	12	0	
2002	Orthophosphorus	No Concern	Middle portion of Sister Grove Creek arm	5,019	12	0	
2002	Total Phosphorus	Not Assessed	East Fork arm	3,593	0		
2002	Total Phosphorus	Not Assessed	Lowermost portion of reservoir	5,577	0		
2002	Total Phosphorus	Not Assessed	Middle portion of Sister Grove Creek arm	5,019	0		
2002	Overall Nutrient Enrichment Concerns	Concern	East Fork arm	3,593			
2002	Overall Nutrient Enrichment Concerns	Concern	Lowermost portion of reservoir	5,577			
2002	Overall Nutrient Enrichment Concerns	No Concern	Middle portion of Sister Grove Creek arm	5,019			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Remainder of segment	7,211			

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Reservoir Trinity River Basin Total size: 21,400 Acres

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**Algal Growth Concern**

2002	Chlorophyll a	Not Assessed	East Fork arm	3,593	0		
2002	Chlorophyll a	Not Assessed	Lowermost portion of reservoir	5,577	0		
2002	Chlorophyll a	Not Assessed	Middle portion of Sister Grove Creek arm	5,019	0		
2002	Chlorophyll a	Not Assessed	Remainder of segment	7,211			

**Sediment Contaminants Concern**

2002	Overall Sediment Contaminant Concerns	Not Assessed	East Fork arm	3,593			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Lowermost portion of reservoir	5,577			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Middle portion of Sister Grove Creek arm	5,019			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Remainder of segment	7,211			

**Fish Tissue Contaminants Concern**

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	East Fork arm	3,593			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Lowermost portion of reservoir	5,577			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Middle portion of Sister Grove Creek arm	5,019			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Remainder of segment	7,211			

**Public Water Supply Concern**

2002	Finished Water: Chloride	No Concern	East Fork arm	3,593			
2002	Finished Water: Chloride	No Concern	Lowermost portion of reservoir	5,577			
2002	Finished Water: Chloride	No Concern	Middle portion of Sister Grove Creek arm	5,019			
2002	Finished Water: Chloride	No Concern	Remainder of segment	7,211			

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Public Water Supply Concern (continued)

2002	Finished Water: Sulfate	No Concern	East Fork arm	3,593			
2002	Finished Water: Sulfate	No Concern	Lowermost portion of reservoir	5,577			
2002	Finished Water: Sulfate	No Concern	Middle portion of Sister Grove Creek arm	5,019			
2002	Finished Water: Sulfate	No Concern	Remainder of segment	7,211			
2002	Finished Water: Total Dissolved Solids	No Concern	East Fork arm	3,593			
2002	Finished Water: Total Dissolved Solids	No Concern	Lowermost portion of reservoir	5,577			
2002	Finished Water: Total Dissolved Solids	No Concern	Middle portion of Sister Grove Creek arm	5,019			
2002	Finished Water: Total Dissolved Solids	No Concern	Remainder of segment	7,211			
2002	Finished Water: MTBE	No Concern	East Fork arm	3,593			
2002	Finished Water: MTBE	No Concern	Lowermost portion of reservoir	5,577			
2002	Finished Water: MTBE	No Concern	Middle portion of Sister Grove Creek arm	5,019			
2002	Finished Water: MTBE	No Concern	Remainder of segment	7,211			
2002	Finished Water: Perchlorate	Not Assessed	East Fork arm	3,593			
2002	Finished Water: Perchlorate	Not Assessed	Lowermost portion of reservoir	5,577			
2002	Finished Water: Perchlorate	Not Assessed	Middle portion of Sister Grove Creek arm	5,019			
2002	Finished Water: Perchlorate	Not Assessed	Remainder of segment	7,211			
2002	Finished Water: Overall	No Concern	East Fork arm	3,593			
2002	Finished Water: Overall	No Concern	Lowermost portion of reservoir	5,577			
2002	Finished Water: Overall	No Concern	Middle portion of Sister Grove Creek arm	5,019			
2002	Finished Water: Overall	No Concern	Remainder of segment	7,211			
2002	Surface Water: Chloride	No Concern	East Fork arm	3,593	31		20.4

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<b>Public Water Supply Concern</b> (continued)							
2002	Surface Water: Chloride	No Concern	Lowermost portion of reservoir	5,577	31		20.4
2002	Surface Water: Chloride	No Concern	Middle portion of Sister Grove Creek arm	5,019	31		20.4
2002	Surface Water: Chloride	No Concern	Remainder of segment	7,211	31		20.4
2002	Surface Water: Sulfate	No Concern	East Fork arm	3,593	31		31.5
2002	Surface Water: Sulfate	No Concern	Lowermost portion of reservoir	5,577	31		31.5
2002	Surface Water: Sulfate	No Concern	Middle portion of Sister Grove Creek arm	5,019	31		31.5
2002	Surface Water: Sulfate	No Concern	Remainder of segment	7,211	31		31.5
2002	Surface Water: Total Dissolved Solids	Not Assessed	East Fork arm	3,593	48		227.36
2002	Surface Water: Total Dissolved Solids	Not Assessed	Lowermost portion of reservoir	5,577	48		227.36
2002	Surface Water: Total Dissolved Solids	Not Assessed	Middle portion of Sister Grove Creek arm	5,019	48		227.36
2002	Surface Water: Total Dissolved Solids	Not Assessed	Remainder of segment	7,211	48		227.36
2002	Surface Water: Overall	No Concern	East Fork arm	3,593			
2002	Surface Water: Overall	No Concern	Lowermost portion of reservoir	5,577			
2002	Surface Water: Overall	No Concern	Middle portion of Sister Grove Creek arm	5,019			
2002	Surface Water: Overall	No Concern	Remainder of segment	7,211			
2002	Overall Public Water Supply Concerns	No Concern	East Fork arm	3,593			
2002	Overall Public Water Supply Concerns	No Concern	Lowermost portion of reservoir	5,577			
2002	Overall Public Water Supply Concerns	No Concern	Middle portion of Sister Grove Creek arm	5,019			
2002	Overall Public Water Supply Concerns	No Concern	Remainder of segment	7,211			

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**Narrative Criteria Concern**

2002	Overall Narrative Criteria Concerns	No Concern	East Fork arm	3,593			
2002	Overall Narrative Criteria Concerns	No Concern	Lowermost portion of reservoir	5,577			
2002	Overall Narrative Criteria Concerns	No Concern	Middle portion of Sister Grove Creek arm	5,019			
2002	Overall Narrative Criteria Concerns	No Concern	Remainder of segment	7,211			

**Overall Secondary Concern**

2002		Concern	East Fork arm	3,593			
2002		Concern	Lowermost portion of reservoir	5,577			
2002		No Concern	Middle portion of Sister Grove Creek arm	5,019			
2002		No Concern	Remainder of segment	7,211			