

Segment ID: 0228 Water body name: Mackenzie Reservoir

Reservoir Red River Basin Total size: 896 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	Not Assessed	Entire segment	896	9	0	
2002	Dissolved Oxygen grab minimum	No Concern-Limited Data	Entire segment	896	9	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	Entire segment	896	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Entire segment	896	0		
2002	Acute Metals in water	Not Assessed	Entire segment	896	2	0	
2002	Chronic Metals in water	Not Assessed	Entire segment	896	2		
2002	Acute Organics in water	Not Assessed	Entire segment	896	2		
2002	Chronic Organics in water	Not Assessed	Entire segment	896	0		
2002	Overall Aquatic Life Use	Not Assessed	Entire segment	896			

**Contact Recreation Use**

2002	E. coli single sample	Not Assessed	Entire segment	896	0		
2002	E. coli geometric mean	Not Assessed	Entire segment	896	0		
2002	Fecal coliform single sample	No Concern-Limited Data	Entire segment	896	9	0	
2002	Fecal coliform geometric mean	No Concern-Limited Data	Entire segment	896	9		1
2002	Overall Recreation Use	Not Assessed	Entire segment	896			

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Reservoir

Red River Basin

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**General Use**

2002	Water Temperature	No Concern-Limited Data	Entire segment	896	9	0	
2002	pH	No Concern-Limited Data	Entire segment	896	9	0	
2002	Chloride	Fully Supporting	Entire segment	896	10		17
2002	Sulfate	Fully Supporting	Entire segment	896	10		144
2002	Total Dissolved Solids	Fully Supporting	Entire segment	896	10		450.5
2002	Overall General Use	Fully Supporting	Entire segment	896			

**Fish Consumption Use**

2002	Human Health Criteria	Not Assessed	Entire segment	896	2		
2002	Overall Fish Consumption Use	Not Assessed	Entire segment	896			

**Public Water Supply Use**

2002	Overall Public Water Supply Use	Fully Supporting	Entire segment	896			
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**Overall Use Support**

2002		Fully Supporting	Entire segment	896			
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**Nutrient Enrichment Concern**

2002	Ammonia Nitrogen	No Concern	Entire segment	896	10	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	Entire segment	896	10	0	
2002	Orthophosphorus	No Concern	Entire segment	896	10	0	
2002	Total Phosphorus	No Concern	Entire segment	896	10	0	



