Segment ID: 0102 **Water body name:** Lake Meredith

Reservoir | Canadian River Basin | Total size: 16,504 Acres

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life Use						
Dissolved Oxygen grab average	No Concern	Downstream half of lake	8,000	10	0	
Dissolved Oxygen grab average	Not Assessed	Upstream half of lake	8,504	2	0	
Dissolved Oxygen grab minimum	Fully Supporting	Downstream half of lake	8,000	10	0	
Dissolved Oxygen grab minimum	Not Assessed	Upstream half of lake	8,504	2	0	
Dissolved Oxygen 24hr average	Not Assessed	Downstream half of lake	8,000	0		
Dissolved Oxygen 24hr average	Not Assessed	Upstream half of lake	8,504	0		
Dissolved Oxygen 24hr minimum	Not Assessed	Downstream half of lake	8,000	0		
Dissolved Oxygen 24hr minimum	Not Assessed	Upstream half of lake	8,504	0		
Acute Metals in water	No Concern-Limited Data	Downstream half of lake	8,000	7		
Acute Metals in water	Not Assessed	Upstream half of lake	8,504	1		
Chronic Metals in water	No Concern-Limited Data	Downstream half of lake	8,000	7		
Chronic Metals in water	Not Assessed	Upstream half of lake	8,504	1		
Acute Organics in water	Not Assessed	Downstream half of lake	8,000	2		
Chronic Organics in water	Not Assessed	Downstream half of lake	8,000	2		
Overall Aquatic Life Use	Fully Supporting	Downstream half of lake	8,000			
Overall Aquatic Life Use	Not Assessed	Upstream half of lake	8,504			
Contact Recreation Use						
E. coli single sample	Not Assessed	Downstream half of lake	8,000	0		
E. coli single sample	Not Assessed	Upstream half of lake	8,504	0		
E. coli geometric mean	Not Assessed	Downstream half of lake	8,000	0		
E. coli geometric mean	Not Assessed	Upstream half of lake	8,504	0		

Segment ID: 0102 **Water body name:** Lake Meredith

Reservoir | Canadian River Basin | Total size: 16,504 Acres

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Contact Recreation Use (continued)						
Fecal coliform single sample	Fully Supporting	Downstream half of lake	8,000	257	0	
Fecal coliform single sample	Fully Supporting	Upstream half of lake	8,504	341	0	
Fecal coliform geometric mean	Fully Supporting	Downstream half of lake	8,000	257		1
Fecal coliform geometric mean	Fully Supporting	Upstream half of lake	8,504	341		1
Overall Recreation Use	Fully Supporting	Downstream half of lake	8,000			
Overall Recreation Use	Fully Supporting	Upstream half of lake	8,504			
General Use						
Water Temperature	Fully Supporting	Downstream half of lake	8,000	10	0	
Water Temperature	Not Assessed	Upstream half of lake	8,504	2	0	
pH	Fully Supporting	Downstream half of lake	8,000	12	0	
pH	No Concern-Limited Data	Upstream half of lake	8,504	4	0	
Chloride	Fully Supporting	Downstream half of lake	8,000	48		358
Chloride	Fully Supporting	Upstream half of lake	8,504	48		358
Sulfate	Fully Supporting	Downstream half of lake	8,000	48		306
Sulfate	Fully Supporting	Upstream half of lake	8,504	48		306
Total Dissolved Solids	Fully Supporting	Downstream half of lake	8,000	82		1,246.47
Total Dissolved Solids	Fully Supporting	Upstream half of lake	8,504	82		1,246.47
Overall General Use	Fully Supporting	Downstream half of lake	8,000			
Overall General Use	Fully Supporting	Upstream half of lake	8,504			
Fish Consumption Use						
Advisories and Closures Restricted-Consumption	Partially Supporting	Downstream half of lake	8,000			

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Reservoir | Canadian River Basin | Total size: 16,504 Acres

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Fish Consumption Use (continued)						
Advisories and Closures Restricted-Consumption	Partially Supporting	Upstream half of lake	8,504			
Human Health Criteria	No Concern-Limited Data	Downstream half of lake	8,000	9		
Human Health Criteria	No Concern-Limited Data	Upstream half of lake	8,504	7		
Overall Fish Consumption Use	Partially Supporting	Downstream half of lake	8,000			
Overall Fish Consumption Use	Partially Supporting	Upstream half of lake	8,504			
Public Water Supply Use						
Overall Public Water Supply Use	Fully Supporting	Downstream half of lake	8,000			
Overall Public Water Supply Use	Fully Supporting	Upstream half of lake	8,504			
Overall Use Support						
	Partially Supporting	Downstream half of lake	8,000			
	Partially Supporting	Upstream half of lake	8,504			
Nutrient Enrichment Concern						
Ammonia Nitrogen	No Concern	Downstream half of lake	8,000	11		
Ammonia Nitrogen	Not Assessed	Upstream half of lake	8,504	3	0	
Nitrite + Nitrate Nitrogen	No Concern	Downstream half of lake	8,000	20	1	
Nitrite + Nitrate Nitrogen	No Concern	Upstream half of lake	8,504	10	0	
Orthophosphorus	No Concern	Downstream half of lake	8,000	10		
Orthophosphorus	Not Assessed	Upstream half of lake	8,504	2	0	
Total Phosphorus	No Concern	Downstream half of lake	8,000	10		
Total Phosphorus	Not Assessed	Upstream half of lake	8,504	3	0	
Overall Nutrient Enrichment Concerns	No Concern	Downstream half of lake	8,000			

Segment ID: 0102 **Water body name:** Lake Meredith

Reservoir | Canadian River Basin | Total size: 16,504 Acres

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Nutrient Enrichment Concern (continued)						
Overall Nutrient Enrichment Concerns	No Concern	Upstream half of lake	8,504			
Algal Growth Concern						
Chlorophyll a	No Concern	Downstream half of lake	8,000	11		
Chlorophyll a	Not Assessed	Upstream half of lake	8,504	3	0	
Sediment Contaminants Concern						
Metals in sediment	Not Assessed	Downstream half of lake	8,000	4		
Organics in sediment	Not Assessed	Downstream half of lake	8,000	1		
Overall Sediment Contaminant Concerns	Not Assessed	Downstream half of lake	8,000			
Overall Sediment Contaminant Concerns	Not Assessed	Upstream half of lake	8,504			
Fish Tissue Contaminants Concern						
Metals in fish tissue	Not Assessed	Downstream half of lake	8,000	2		
Organics in fish tissue	Not Assessed	Downstream half of lake	8,000	2		
Overall Fish Tissue Contaminant Concerns	Not Assessed	Downstream half of lake	8,000			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Upstream half of lake	8,504			
Public Water Supply Concern						
Finished Water: Chloride	Concern	Downstream half of lake	8,000	12		366
Finished Water: Chloride	Concern	Upstream half of lake	8,504	12		366
Finished Water: Sulfate	Concern	Downstream half of lake	8,000	12		337

Segment ID: 0102 **Water body name:** Lake Meredith

Reservoir | Canadian River Basin | Total size: 16,504 Acres

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Public Water Supply Concern (continued)						
Finished Water: Sulfate	Concern	Upstream half of lake	8,504	12		337
Finished Water: Total Dissolved Solids	Concern	Downstream half of lake	8,000	15		1,253
Finished Water: Total Dissolved Solids	Concern	Upstream half of lake	8,504	15		1,253
Finished Water: MTBE	No Concern	Downstream half of lake	8,000			
Finished Water: MTBE	No Concern	Upstream half of lake	8,504			
Finished Water: Perchlorate	Not Assessed	Downstream half of lake	8,000			
Finished Water: Perchlorate	Not Assessed	Upstream half of lake	8,504			
Finished Water: Overall	Concern	Downstream half of lake	8,000			
Finished Water: Overall	Concern	Upstream half of lake	8,504			
Surface Water: Chloride	Concern	Downstream half of lake	8,000	46		358
Surface Water: Chloride	Concern	Upstream half of lake	8,504	46		358
Surface Water: Sulfate	Concern	Downstream half of lake	8,000	46		307
Surface Water: Sulfate	Concern	Upstream half of lake	8,504	46		307
Surface Water: Total Dissolved Solids	Concern	Downstream half of lake	8,000	82		1,246.47
Surface Water: Total Dissolved Solids	Concern	Upstream half of lake	8,504	82		1,246.47
Surface Water: Overall	Concern	Downstream half of lake	8,000			
Surface Water: Overall	Concern	Upstream half of lake	8,504			
Overall Public Water Supply Concerns	Concern	Downstream half of lake	8,000			
Overall Public Water Supply Concerns	Concern	Upstream half of lake	8,504			
Narrative Criteria Concern						
Overall Narrative Criteria Concerns	No Concern	Downstream half of lake	8,000			

Segment ID: 0102 **Water body name:** Lake Meredith

Reservoir | Canadian River Basin | Total size: 16,504 Acres

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Narrative Criteria Concern (continued)						
Overall Narrative Criteria Concerns	No Concern	Upstream half of lake	8,504			
Overall Secondary Concern						
	Concern	Downstream half of lake	8,000			
	Concern	Upstream half of lake	8,504			