

## Lake Meredith

Segment: 0102 Canadian River Basin

**Basin number:** 1  
**Basin group:** A  
**Water body description:** From Sanford Dam in Hutchinson County to a point immediately upstream of the confluence of Camp Creek in Potter County, up to normal pool level of 2936.5 feet (impounds Canadian River)  
**Water body classification:** Classified  
**Water body type:** Reservoir  
**Water body length / area:** 16,504 Acres  
**Water body uses:** Aquatic Life Use, Contact Recreation Use, General Use, Fish Consumption Use, Public Water Supply Use

<b>Standards Not Met in 2002</b>				
<b>Assessment Area</b>	<b>Use</b>	<b>Support Status</b>	<b>Parameter</b>	<b>Category</b>
Downstream half of lake	Fish Consumption Use	Partially Supporting	mercury in walleye	5c
Upstream half of lake	Fish Consumption Use	Partially Supporting	mercury in walleye	5c

**Additional Information:** The aquatic life, contact recreation, public water supply and general uses are fully supported.

<b>2002 Concerns:</b>			
<b>Assessment Area</b>	<b>Use or Concern</b>	<b>Concern Status</b>	<b>Description of Concern</b>
Downstream half of lake	Public Water Supply Concern	Concern	chloride
Downstream half of lake	Public Water Supply Concern	Concern	chloride in finished drinking water
Downstream half of lake	Public Water Supply Concern	Concern	sulfate
Downstream half of lake	Public Water Supply Concern	Concern	sulfate in finished drinking water
Downstream half of lake	Public Water Supply Concern	Concern	total dissolved solids
Downstream half of lake	Public Water Supply Concern	Concern	total dissolved solids in finished drinking water
Upstream half of lake	Public Water Supply Concern	Concern	chloride
Upstream half of lake	Public Water Supply Concern	Concern	chloride in finished drinking water
Upstream half of lake	Public Water Supply Concern	Concern	sulfate
Upstream half of lake	Public Water Supply Concern	Concern	sulfate in finished drinking water
Upstream half of lake	Public Water Supply Concern	Concern	total dissolved solids
Upstream half of lake	Public Water Supply Concern	Concern	total dissolved solids in finished drinking water

<b>Monitoring sites used:</b>		
<b>Assessment Area</b>	<b>Station ID</b>	<b>Station Description</b>
Downstream half of lake	10036	LAKE MEREDITH NEAR INTAKE TOWER AT DAM NW OF SANFORD
Downstream half of lake	10037	LAKE MEREDITH NORTH CANYON ARM
Downstream half of lake	10043	LAKE MEREDITH BUGBEE CANYON AT BUOY LINE
Downstream half of lake	10044	LAKE MEREDITH NORTH TURKEY CREEK CANYON ARM
Downstream half of lake	10045	LAKE MEREDITH BIG BLUE CANYON BETWEEN CHIMNEY HOLLOW AND TIMBER HOLLOW
Downstream half of lake	10050	LAKE MEREDITH MEREDITH HARBOR
Downstream half of lake	10051	LAKE MEREDITH CEDAR CANYON ARM
Downstream half of lake	10052	LAKE MEREDITH SOUTH CANYON ARM
Upstream half of lake	10039	LAKE MEREDITH MID-LAKE SOUTHEAST OF MARTIN'S CANYON
Upstream half of lake	10040	LAKE MEREDITH EVANS CANYON
Upstream half of lake	10041	LAKE MEREDITH MID-LAKE WEST OF TURKEY CREEK
Upstream half of lake	10042	LAKE MEREDITH MID-LAKE BETWEEN PLUM CREEK BOAT RAMP AND BATES BOAT RAMP
Upstream half of lake	10046	LAKE MEREDITH TURKEY CREEK CANYON ARM
Upstream half of lake	10047	LAKE MEREDITH SHORT CREEK CANYON ARM
Upstream half of lake	10048	LAKE MEREDITH HARBOR BAY
Upstream half of lake	10049	LAKE MEREDITH FRITCH CANYON ARM

<b>Published studies:</b>		
<b>Publication</b>	<b>Date</b>	<b>Author</b>
IMS 24 Lake Meredith	April 1975	Kirkpatrick, J.