

## Cooper Lake

Segment: 0307 Sulphur River Basin

**Basin number:** 3  
**Basin group:** A  
**Water body description:** From Delta/Hopkins County Dam in Delta/Hopkins County to a point 1.0 km (0.6 miles) upstream of SH 71 on the South Sulphur River Arm in Delta/Hopkins County and 300 meters (330 yards) below the confluence of Barnett Creek on the Middle Sulphur River in Delta County, up to conservation pool elevation of 440 feet (impounds the Middle Sulphur/South Sulphur River)  
**Water body classification:** Classified  
**Water body type:** Reservoir  
**Water body length / area:** 19,305 Acres  
**Water body uses:** Aquatic Life Use, Contact Recreation Use, General Use, Fish Consumption Use, Public Water Supply Use

<b>Standards Not Met in 2004</b>				
<b>Assessment Area</b>	<b>Use</b>	<b>Support Status</b>	<b>Parameter</b>	<b>Category</b>
Lower 3000 acre Doctors Creek arm	General Use	Not Supporting	high pH	5c
Lower 5000 acres near dam	General Use	Partially Supporting	high pH	5c
Middle 5000 acres	General Use	Partially Supporting	high pH	5c

<b>Standards Not Met and Concerns in Previous Years</b>				
<b>Assessment Area</b>	<b>Use</b>	<b>Support Status or Concern</b>	<b>Parameter</b>	<b>Category</b>
Lower 3000 acre Doctors Creek arm	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c
Lower 5000 acres near dam	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c

**Additional Information:** The public water supply use is fully supported. The contact recreation and fish consumption uses were not assessed.

This segment was identified on the 2000 303(d) List as partially supporting the aquatic life use due to depressed dissolved oxygen. Because an insufficient number of 24-hour dissolved oxygen values were available in 2002 to determine if the criterion is supported, this segment will be identified as not meeting the standard for dissolved oxygen until sufficient 24-hour measurements are available to demonstrate support of the criterion. There were insufficient 24-hour data for 2004.

(-based on data from 03/01/1998 to 02/28/2003)

<b>2004 Concerns:</b>			
<b>Assessment Area</b>	<b>Use or Concern</b>	<b>Concern Status</b>	<b>Description of Concern</b>
Middle 1000 acres near Finley Branch	Aquatic Life Use	Use Concern-Limited Data	depressed dissolved oxygen
Middle 2000 acre Johns Creek arm	General Use	Use Concern	high pH

<b>Monitoring sites used:</b>		
<b>Assessment Area</b>	<b>Station ID</b>	<b>Station Description</b>
Lower 3000 acre Doctors Creek arm	13856	COOPER LAKE USGS SITE BC
Lower 3000 acre Doctors Creek arm	17075	COOPER LAKE IN DOCTORS CREEK ARM, APPROX. 4.2KM SOUTH OF CITY OF COOPER AND 0.6KM SW OF DOCTORS CREEK PARK
Lower 5000 acres near dam	13855	COOPER LAKE USGS SITE AC
Middle 1000 acres near Finley Branch	15211	COOPER LAKE MID LAKE APPROX. 100 METERS NORTH OF NORTH TEXAS MUNICIPAL WATER SUPPLY DISTRICT'S INTAKE STRUCTURE, NORTH OF PEERLESS
Middle 2000 acre Johns Creek arm	13858	COOPER LAKE USGS SITE DC
Middle 5000 acres	13857	COOPER LAKE USGS SITE CC