

Choke Canyon Reservoir

Segment: 2116 Nueces River Basin

Basin number: 21
Basin group: E
Water body description: From Choke Canyon Dam in Live Oak County to a point 4.2 km (2.6 miles) downstream of SH 16 on the Frio River Arm in McMullen County and to a point 100 meters (110 yards) upstream of the confluence of Mustang Branch on the San Miguel Creek Arm in McMullen County, up to the normal pool elevation of 220.5 feet (impounds Frio River)
Water body classification: Classified
Water body type: Reservoir
Water body length / area: 26,000 Acres
Water body uses: Aquatic Life Use, Contact Recreation Use, General Use, Fish Consumption Use, Public Water Supply Use

Standards Not Met in 2002				
Assessment Area	Use	Support Status	Parameter	Category
5120 acres in middle of lake	General Use	Not Supporting	total dissolved solids	5c
5120 acres near dam	General Use	Not Supporting	total dissolved solids	5c
Large north arm near mid lake and Jacob Oil Field	General Use	Not Supporting	total dissolved solids	5c
Remainder of lake	General Use	Not Supporting	total dissolved solids	5c
Small north arm of lake near dam and Willow Hollow Tank	General Use	Not Supporting	total dissolved solids	5c
Southern arm near mid lake and Rec. Road 7 west of Calliham	General Use	Not Supporting	total dissolved solids	5c
Western end of lake up to RR 99 bridge	General Use	Not Supporting	total dissolved solids	5c

Standards Not Met and Concerns in Previous Years				
Assessment Area	Use	Support Status or Concern	Parameter	Category
5120 acres in middle of lake	Contact Recreation Use	Not Supporting	bacteria	5c
5120 acres near dam	Contact Recreation Use	Not Supporting	bacteria	5c
Large north arm near mid lake and Jacob Oil Field	Contact Recreation Use	Not Supporting	bacteria	5c
Remainder of lake	Contact Recreation Use	Not Supporting	bacteria	5c
Small north arm of lake near dam and Willow Hollow Tank	Contact Recreation Use	Not Supporting	bacteria	5c
Southern arm near mid lake and Rec. Road 7 west of Calliham	Contact Recreation Use	Not Supporting	bacteria	5c
Western end of lake up to RR 99 bridge	Contact Recreation Use	Not Supporting	bacteria	5c

Additional Information: The public water supply use is fully supported. The aquatic life, fish consumption, and general uses were not assessed.

This segment was identified on the 2000 303(d) list as not supporting the contact recreation use due to bacteria. Because there were insufficient data available in 2002 to evaluate changes in water quality, this segment will be identified as not meeting the standard for bacteria until sufficient data are available to demonstrate use support.

2002 Concerns:			
Assessment Area	Use or Concern	Concern Status	Description of Concern
Western end of lake up to RR 99 bridge	Aquatic Life Use	Use Concern-Limited Data	depressed dissolved oxygen

Monitoring sites used:		
Assessment Area	Station ID	Station Description
5120 acres in middle of lake	13020	CHOKE CANYON RESERVOIR, MID-LAKE ON LIVE OAK/MCMULLEN COUNTY LINE (NEAR OLD HWY 99)
5120 acres in middle of lake	17392	CHOKE CANYON RESERVOIR MID-LAKE APPROX 1 MILE EAST OF THE POINT AT CHOKE CANYON STATE PARK
5120 acres near dam	13019	CHOKE CANYON RESERVOIR MID-LAKE, 1/4 MILE UPSTREAM FROM THE DAM
Large north arm near mid lake and Jacob Oil Field	17391	CHOKE CANYON RESERVOIR APPROX. 2.0 KM SOUTHWEST OF SR ROAD 8 TERMINATION AT SHORE, MOUTH OF OPOSSUM CREEK ARM
Small north arm of lake near dam and Willow Hollow Tank	17393	CHOKE CANYON RESERVOIR MID-ARM IN THE NORTHEAST ARM WEST OF THE INTERCTION OF US 281 AND IH 37
Southern arm near mid lake and Rec. Road 7 west of Calliham	17390	CHOKE CANYON RESERVOIR APPROX. 0.5 KM WEST OF CHOKE CANYON STATE PARK AND 4 KM NORTH OF SH 72 CROSSING THE SALT CREEK ARM
Western end of lake up to RR 99 bridge	17389	CHOKE CANYNON RESERVOIR APPROX. 0.5 KM SOUTHEAST OF RR 66 SOUTHERN MOST BRIDGE CROSSING THE FRIO RIVER ARM

Historical fish kills:			
Date	Location	Fish Killed	Suspected Cause
9/20/1998	Choke Canyon Lake-North Shore boat ramp	60	Physical Damage/Trauma