

Lake Texana

Segment: 1604 Lavaca River Basin

Basin number: 16
Basin group: D
Water body description: From Palmetto Bend Dam in Jackson County to a point 100 meters (110 yards) downstream of FM 530 in Jackson County, up to normal pool elevation of 44 feet (impounds Navidad River)
Water body classification: Classified
Water body type: Reservoir
Water body length / area: 11,000 Acres
Water body uses: Aquatic Life Use, Contact Recreation Use, General Use, Fish Consumption Use, Public Water Supply Use

Standards Not Met and Concerns in Previous Years				
Assessment Area	Use	Support Status or Concern	Parameter	Category
East Mustang Creek arm of Lake Texana	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c
Navidad River arm of Lake Texana	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c

Additional Information: The public water supply and general uses are 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.

2002 Concerns:			
Assessment Area	Use or Concern	Concern Status	Description of Concern
Downstream middle portion of Lake Texana	Nutrient Enrichment Concern	Concern	nitrate+nitrite nitrogen
Downstream middle portion of Lake Texana	Nutrient Enrichment Concern	Concern	orthophosphorus
Downstream portion of Lake Texana	Nutrient Enrichment Concern	Concern	nitrate+nitrite nitrogen
Downstream portion of Lake Texana	Nutrient Enrichment Concern	Concern	orthophosphorus
East Mustang Creek arm of Lake Texana	Aquatic Life Use	Use Concern	depressed dissolved oxygen
East Mustang Creek arm of Lake Texana	Nutrient Enrichment Concern	Concern	ammonia

(based on data from 03/01/1996 to 02/28/2001)

2002 Concerns:			
Assessment Area	Use or Concern	Concern Status	Description of Concern
East Mustang Creek arm of Lake Texana	Nutrient Enrichment Concern	Concern	nitrate+nitrite nitrogen
East Mustang Creek arm of Lake Texana	Nutrient Enrichment Concern	Concern	orthophosphorus
East Mustang Creek arm of Lake Texana	Nutrient Enrichment Concern	Concern	total phosphorus
Navidad River arm of Lake Texana	Aquatic Life Use	Use Concern	depressed dissolved oxygen
Navidad River arm of Lake Texana	Nutrient Enrichment Concern	Concern	orthophosphorus
Upstream middle portion of Lake Texana	Nutrient Enrichment Concern	Concern	nitrate+nitrite nitrogen
Upstream middle portion of Lake Texana	Nutrient Enrichment Concern	Concern	orthophosphorus

Monitoring sites used:		
Assessment Area	Station ID	Station Description
Downstream middle portion of Lake Texana	13983	LAKE TEXANA RIVER CHANNEL, 3 KM SOUTH OF SH 111, EAST OF EDNA (USGS SITE BC)
Downstream middle portion of Lake Texana	15379	LAKE TEXANA 1.9 KM SOUTH OF SH 111, NEAR BRACKENRIDGE PLANTATION RECREATION AREA, EAST OF EDNA
Downstream portion of Lake Texana	13981	LAKE TEXANA 400 M NORTH OF DAM AND 700 M EAST OF SPILLWAY (USGS SITE AC)
Downstream portion of Lake Texana	13982	LAKE TEXANA 200 M NORTH OF DAM AND 1.1 KM EAST OF SPILLWAY (USGS SITE AL)
Downstream portion of Lake Texana	15377	LAKE TEXANA 400 M NORTH OF FM 3131 AND 400 M EAST OF SPILLWAY INLET
Downstream portion of Lake Texana	15381	LAKE TEXANA, MID-LAKE, 1.8 KM UPSTREAM OF DAM AND 2 KM EAST OF LNRA BOAT DOCK
East Mustang Creek arm of Lake Texana	13986	LAKE TEXANA, MUSTANG CREEK ARM, 1.5 KM UPSTREAM OF CONFL. WITH MAIN LAKE, AT MUSTANG CREEK RECREATION AREA, SOUTH OF GANADO (SITE EC)
Navidad River arm of Lake Texana	13985	LAKE TEXANA, 1 KM SOUTH OF US 59 BETWEEN EDNA AND GANADO (USGS SITE DC)
Upstream middle portion of Lake Texana	13984	LAKE TEXANA 2 KM UPSTREAM OF SH 111, EAST OF EDNA (USGS SITE CC)

Historical fish kills:			
Date	Location	Fish Killed	Suspected Cause
4/25/1997	North side of hwy 59, approx 1 mile west of Ganado on Cherry rd	50	Inorganic compound