

Lake Tawakoni

Segment: 0507 Sabine River Basin

Basin number:	5
Basin group:	A
Water body description:	From Iron Bridge Dam in Rains County up to normal pool elevation of 437 feet (impounds Sabine River)
Water body classification:	Classified
Water body type:	Reservoir
Water body length / area:	36,700 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
Cowleech Fork of Sabine River arm	Public Water Supply Use	Threatened	atrazine in finished drinking water	4b
Kitsee Inlet	Public Water Supply Use	Threatened	atrazine in finished drinking water	4b
Lowermost 5,120 acres of reservoir, adjacent to dam	Aquatic Life Use	Not Supporting	depressed dissolved oxygen	5c
Lowermost 5,120 acres of reservoir, adjacent to dam	Public Water Supply Use	Threatened	atrazine in finished drinking water	4b
Remainder of reservoir	Public Water Supply Use	Threatened	atrazine in finished drinking water	4b
South Fork of Sabine River cove	Public Water Supply Use	Threatened	atrazine in finished drinking water	4b

Parameters Removed**from the 2000 303(d) List:** pH, atrazine in finished drinking water**Additional Information:** The contact recreation, fish consumption and general uses are fully supported.

This segment was identified on the 2000 303(d) List as not 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.

This segment was identified as a threatened water body on the 2000 303(d) List due to atrazine in finished drinking water. Because an insufficient number of atrazine samples in surface water were available in 2002 to demonstrate that the standard is no longer threatened, this segment will be identified as threatened for atrazine until sufficient data in surface water are available.

2002 Concerns:			
Assessment Area	Use or Concern	Concern Status	Description of Concern
Cowleech Fork of Sabine River arm	General Use	Use Concern	high pH
Cowleech Fork of Sabine River arm	Algal Growth Concern	Concern	excessive algal growth
Kitsee Inlet	Nutrient Enrichment Concern	Concern	orthophosphorus
Kitsee Inlet	Algal Growth Concern	Concern	excessive algal growth
Lowermost 5,120 acres of reservoir, adjacent to dam	Aquatic Life Use	Use Concern	depressed dissolved oxygen
Lowermost 5,120 acres of reservoir, adjacent to dam	Algal Growth Concern	Concern	excessive algal growth
South Fork of Sabine River cove	Aquatic Life Use	Use Concern-Limited Data	depressed dissolved oxygen
South Fork of Sabine River cove	Contact Recreation Use	Use Concern-Limited Data	bacteria

Monitoring sites used:		
Assessment Area	Station ID	Station Description
Cowleech Fork of Sabine River arm	10440	LAKE TAWAKONI IN THE UPPER LAKE(COWLEECH FORK) AT THE OLD RIVER CHANNEL NEAR WIND POINT PARK (LT-23C)
Kitsee Inlet	10435	LAKE TAWAKONI IN KITSEC INLET NEAR WHITE POINT CAUSEWAY (LT-23D)
Lowermost 5,120 acres of reservoir, adjacent to dam	10434	LAKE TAWAKONI IN THE MAIN LAKE NEAR THE DAM IN THE OLD RIVER CHANNEL (LT-23A)
South Fork of Sabine River cove	10436	LAKE TAWAKONI IN SOUTH FORK SABINE RIVER COVE AT SH 34 WEST OF QUINLAN (LT-28N)

Published studies:		
Publication	Date	Author
IMS 3 Lake Tawakoni	Jan. 1974	Twidwell, S.