

Angelina River/Sam Rayburn Reservoir

Segment: 0615 Neches River Basin

Basin number: 6
Basin group: A
Water body description: The riverine portion of Sam Rayburn Reservoir from a point 5.6 kilometers (3.5 miles) upstream of Marion's Ferry to a point 2.75 kilometers (1.71 miles) upstream of the confluence of Paper Mill Creek
Water body classification: Classified
Water body type: Reservoir
Water body length / area: 3,555 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
Downstream of Papermill Creek	Aquatic Life Use	Not Supporting	impaired fish community	5a
Downstream of Papermill Creek	Fish Consumption Use	Partially Supporting	mercury in largemouth bass and freshwater drum	5a
Upstream of Papermill Creek	Fish Consumption Use	Partially Supporting	mercury in largemouth bass and freshwater drum	5a

Standards Not Met and Concerns in Previous Years				
Assessment Area	Use	Support Status or Concern	Parameter	Category
Downstream of Papermill Creek	Aquatic Life Use	Not Supporting	depressed dissolved oxygen	5c
Upstream of Papermill Creek	Aquatic Life Use	Partially Supporting	depressed dissolved oxygen	5c

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

This segment was previously assessed as the upper portion of the Angelina River arm of segment 0610 (Sam Rayburn Reservoir).

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.

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

2002 Concerns:			
Assessment Area	Use or Concern	Concern Status	Description of Concern
Downstream of Papermill Creek	Aquatic Life Use	Use Concern	depressed dissolved oxygen
Downstream of Papermill Creek	Nutrient Enrichment Concern	Concern	ammonia
Downstream of Papermill Creek	Nutrient Enrichment Concern	Concern	nitrate+nitrite nitrogen
Downstream of Papermill Creek	Nutrient Enrichment Concern	Concern	orthophosphorus
Downstream of Papermill Creek	Nutrient Enrichment Concern	Concern	total phosphorus
Downstream of Papermill Creek	Narrative Criteria Concern	Concern	color
Upstream of Papermill Creek	Aquatic Life Use	Use Concern- Limited Data	impaired habitat
Upstream of Papermill Creek	Nutrient Enrichment Concern	Concern	nitrate+nitrite nitrogen
Upstream of Papermill Creek	Narrative Criteria Concern	Concern	color

Monitoring sites used:		
Assessment Area	Station ID	Station Description
Downstream of Papermill Creek	10621	SAM RAYBURN RESERVOIR ANGELINA RIVER 0.7 KM DOWNSTREAM OF CONFLUENCE WITH PAPER MILL CREEK LOWER CHANNEL
Upstream of Papermill Creek	10623	SAM RAYBURN RESERVOIR AT CONFL OF ANGELINA RIVER, 0.75KM NW OF PAPER MILL CREEK

Published studies:		
Publication	Date	Author
IMS 12 Sam Rayburn Reservoir	Nov. 1973	Kirkpatrick, J.