

Lake Palestine

Segment: 0605 Neches River Basin

Basin number:	6
Basin group:	A
Water body description:	From Blackburn Crossing Dam in Anderson/Cherokee County to a point 6.7 km (4.2 miles) downstream of FM 279 in Henderson/Smith County, up to normal pool elevation of 345 feet (impounds Neches River)
Water body classification:	Classified
Water body type:	Reservoir
Water body length / area:	25,560 Acres
Water body uses:	Aquatic Life Use, Contact Recreation Use, General Use, Fish Consumption Use, Public Water Supply Use

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

2002 Concerns:			
Assessment Area	Use or Concern	Concern Status	Description of Concern
Headwaters (Neches River arm)	Nutrient Enrichment Concern	Concern	ammonia
Headwaters (Neches River arm)	Nutrient Enrichment Concern	Concern	nitrate+nitrite nitrogen
Indian Creek Cove	Aquatic Life Use	Use Concern-Limited Data	depressed dissolved oxygen
Upper midlake near Tyler PWS intake	General Use	Use Concern-Limited Data	high pH
Upper midlake/ Big Eddy Bay	General Use	Use Concern-Limited Data	high pH

Monitoring sites used:		
Assessment Area	Station ID	Station Description
Headwaters (Neches River arm)	10595	LAKE PALESTINE AT SH 31 NORTHEAST OF CHANDLER
Indian Creek Cove	16345	LAKE PALESTINE UPPER LAKE AT THE MOUTH OF INDIAN CREEK IN THE OLD NECHES RIVER CHANNEL
Lower portion of reservoir near dam	16159	LAKE PALESTINE AT DAM EQUIDISTANT FROM EAST AND WEST SHORELINES
Midlake near SH 155	10593	LAKE PALESTINE MID-LAKE AT SH155
Upper midlake near Tyler PWS intake	16346	LAKE PALESTINE AT THE CITY OF TYLER RAW WATER INTAKE STRUCTURE
Upper midlake/ Big Eddy Bay	10594	LAKE PALESTINE AT NORTH END OF BIG EDDY BAY IN NECHES RIVER CHANNEL