

Upper North Bosque River

Segment: 1255 Brazos River Basin

Basin number:	12
Basin group:	D
Water body description:	From a point immediately above the confluence of Indian Creek in Erath County to the confluence of the North Fork and South Fork of the Bosque River in Erath County
Water body classification:	Classified
Water body type:	Freshwater Stream
Water body length / area:	17.5 Miles
Water body uses:	Aquatic Life Use, Contact Recreation Use, General Use, Fish Consumption Use

Standards Not Met in 2002 Assessment Area	Use	Support Status	Parameter	Category
Downstream portion of segment	Contact Recreation Use	Not Supporting	bacteria	5c
Downstream portion of segment	General Use	Not Supporting	ammonia	4a
Downstream portion of segment	General Use	Not Supporting	excessive algal growth	4a
Downstream portion of segment	General Use	Not Supporting	nitrate+nitrite nitrogen	4a
Downstream portion of segment	General Use	Not Supporting	orthophosphorus	4a
Downstream portion of segment	General Use	Not Supporting	total phosphorus	4a
Upstream portion of segment	Contact Recreation Use	Not Supporting	bacteria	5c
Upstream portion of segment	General Use	Not Supporting	ammonia	4a
Upstream portion of segment	General Use	Not Supporting	excessive algal growth	4a

Parameters Removed from the 2000 303(d) List: total dissolved solids, chloride, sulfate, ammonia, excessive algal growth, nitrate+nitrite nitrogen, orthophosphorus, total phosphorus

Additional Information: The aquatic life use is fully supported. The fish consumption use was not assessed. Elevated nutrients and excessive algal growth impair the general use based on the general narrative criteria for nutrients in the Texas Surface Water Quality Standards.

The Environmental Protection Agency (EPA) has approved a Total Maximum Daily Load (TMDL) that will control the nutrient parameters and excessive algal growth in the Bosque River watershed.

2002 Concerns: Assessment Area	Use or Concern	Concern Status	Description of Concern
Downstream portion of segment	Aquatic Life Use	Use Concern	depressed dissolved oxygen
Downstream portion of segment	Nutrient Enrichment Concern	Concern	ammonia
Downstream portion of segment	Nutrient Enrichment Concern	Concern	nitrate+nitrite nitrogen

2002 Concerns:			
Assessment Area	Use or Concern	Concern Status	Description of Concern
Downstream portion of segment	Nutrient Enrichment Concern	Concern	orthophosphorus
Downstream portion of segment	Nutrient Enrichment Concern	Concern	total phosphorus
Downstream portion of segment	Algal Growth Concern	Concern	excessive algal growth
Upstream portion of segment	Aquatic Life Use	Use Concern	depressed dissolved oxygen
Upstream portion of segment	Nutrient Enrichment Concern	Concern	ammonia
Upstream portion of segment	Algal Growth Concern	Concern	excessive algal growth

Monitoring sites used:		
Assessment Area	Station ID	Station Description
Downstream portion of segment	11963	NORTH BOSQUE RIVER AT ERATH CR 454, 0.6 KM WEST OF US 281 AND 3.3 KM DOWNSTREAM OF US 377/67 IN STEPHENVILLE
Downstream portion of segment	11964	NORTH BOSQUE RIVER AT US 377/67 IN STEPHENVILLE
Upstream portion of segment	17226	NORTH BOSQUE RIVER AT FM 8 IMMEDIATELY NORTHEAST OF STEPHENVILLE