

## North Bosque River

Segment: 1226 Brazos River Basin

**Basin number:** 12  
**Basin group:** D  
**Water body description:** From a point 100 meters (110 yards) upstream of FM 185 in McLennan County to a point immediately above the confluence of Indian Creek in Erath County  
**Water body classification:** Classified  
**Water body type:** Freshwater Stream  
**Water body length / area:** 103 Miles  
**Water body uses:** Aquatic Life Use, Contact Recreation Use, General Use, Fish Consumption Use, Public Water Supply Use

| Standards Not Met in 2002<br>Assessment Area | Use         | Support Status | Parameter              | Category |
|--|-------------|----------------|------------------------|----------|
| Portion of segment downstream of Clifton     | General Use | Not Supporting | excessive algal growth | 4a       |
| Portion of segment downstream of Iredell     | General Use | Not Supporting | excessive algal growth | 4a       |
| Upstream portion of segment                  | General Use | Not Supporting | excessive algal growth | 4a       |

**Parameters Removed from the 2000 303(d) List:** bacteria, excessive algal growth

**Additional Information:** The aquatic life, contact recreation, and public water supply uses are fully supporting. The fish consumption use was not assessed.

Excessive algal growth impairs 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 excessive algal growth in the Bosque River watershed.

| 2002 Concerns:<br>Assessment Area        | Use or Concern       | Concern Status            | Description of Concern  |
|--|----------------------|---------------------------|-------------------------|
| Portion of segment downstream of Clifton | Algal Growth Concern | Concern                   | excessive algal growth  |
| Portion of segment downstream of Iredell | Algal Growth Concern | Concern                   | excessive algal growth  |
| Upstream portion of segment              | Aquatic Life Use     | Use Concern- Limited Data | impaired fish community |

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

| <b>2002 Concerns:</b>       |                       |                          |                               |
|-----------------------------|-----------------------|--------------------------|-------------------------------|
| <b>Assessment Area</b>      | <b>Use or Concern</b> | <b>Concern Status</b>    | <b>Description of Concern</b> |
| Upstream portion of segment | Aquatic Life Use      | Use Concern-Limited Data | impaired habitat              |
| Upstream portion of segment | Algal Growth Concern  | Concern                  | excessive algal growth        |

| <b>Monitoring sites used:</b>            |                   |  |
|--|-------------------|--|
| <b>Assessment Area</b>                   | <b>Station ID</b> | <b>Station Description</b>   |
| Downstream portion of segment            | 11951             | NORTH BOSQUE RIVER WEST OF CHINA SPRING ON COUNTY ROAD                                       |
| Downstream portion of segment            | 11952             | NORTH BOSQUE RIVER AT WACO BOYS CAMP (YMCA) WEST OF VALLEY MILLS                             |
| Downstream portion of segment            | 11954             | NORTH BOSQUE RIVER AT COUNTY ROAD OFF SH 6 WEST OF VALLEY MILLS                              |
| Portion of segment downstream of Clifton | 11956             | NORTH BOSQUE RIVER AT FM 219 NE OF CLIFTON   |
| Portion of segment downstream of Iredell | 11958             | NORTH BOSQUE RIVER IN MERIDIAN AT SH 22  |
| Portion of segment downstream of Iredell | 11960             | NORTH BOSQUE RIVER AT FM 216 IN IREDELL  |
| Upstream portion of segment              | 11961             | NORTH BOSQUE RIVER AT US 281 NEAR HICO   |
| Upstream portion of segment              | 11962             | NORTH BOSQUE RIVER AT SH 6 ABOVE GREEN CREEK CONFLUENCE                                      |
| Upstream portion of segment              | 14384             | NORTH BOSQUE RIVER AT BOSQUE CR 110, 6.8 KM UPSTREAM OF SH 6 WEST OF IREDELL                 |
| Upstream portion of segment              | 15123             | NORTH BOSQUE RIVER AT UNNAMED ERATH CR, 125M UPSTREAM OF SH6 (WAS FM1824), EAST OF CLAIRETTE |

| <b>Published studies:</b> |             |               |
|---------------------------|-------------|---------------|
| <b>Publication</b>        | <b>Date</b> | <b>Author</b> |
| IS 6 Bosque River         | April 1978  | Ezell, C.     |

| <b>Historical fish kills:</b> |                                       |                    |                        |
|-------------------------------|---------------------------------------|--------------------|------------------------|
| <b>Date</b>                   | <b>Location</b>                       | <b>Fish Killed</b> | <b>Suspected Cause</b> |
| 8/6/1998                      | North Bosque River - near Waco, Texas | 15                 | Physical Damage/Trauma |