

**Segment ID: 1226**      **Water body name: North Bosque River**

Freshwater Stream

Brazos River Basin

Total size:

103 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
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**Aquatic Life Use**

2002	Dissolved Oxygen grab average	No Concern	Downstream portion of segment	25	35	0	
2002	Dissolved Oxygen grab average	No Concern	Portion of segment downstream of Clifton	15	195	1	
2002	Dissolved Oxygen grab average	No Concern	Portion of segment downstream of Iredell	33	278	8	
2002	Dissolved Oxygen grab average	No Concern	Upstream portion of segment	30	307	11	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Downstream portion of segment	25	35	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Portion of segment downstream of Clifton	15	195	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Portion of segment downstream of Iredell	33	278	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Upstream portion of segment	30	307	1	
2002	Dissolved Oxygen 24hr average	Not Assessed	Downstream portion of segment	25	1	0	
2004	Dissolved Oxygen 24hr average	Not Assessed	Portion of segment downstream of Clifton	15	6	0	
2004	Dissolved Oxygen 24hr average	No Concern-Limited Data	Portion of segment downstream of Iredell	33	6	0	
2004	Dissolved Oxygen 24hr average	Use Concern-Limited Data	Upstream portion of segment	30	8	2	
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Downstream portion of segment	25	1	0	
2004	Dissolved Oxygen 24hr minimum	Not Assessed	Portion of segment downstream of Clifton	15	6	0	
2004	Dissolved Oxygen 24hr minimum	No Concern-Limited Data	Portion of segment downstream of Iredell	33	6	0	
2004	Dissolved Oxygen 24hr minimum	Use Concern-Limited Data	Upstream portion of segment	30	8	1	
2002	Acute Metals in water	Not Assessed	Portion of segment downstream of Clifton	15	1	0	
2002	Acute Metals in water	Not Assessed	Upstream portion of segment	30	1	0	
2002	Acute Toxicity tests in water	Not Assessed	Upstream portion of segment	30	2	0	
2002	Acute Toxicity tests in sediment	Not Assessed	Upstream portion of segment	30	2	0	

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**Aquatic Life Use** (continued)

2004	Habitat	No Concern-Limited Data	Upstream portion of segment	30	3	1	21
2004	Fish Community	Use Concern-Limited Data	Upstream portion of segment	30	3	3	38
2002	Overall Aquatic Life Use	Fully Supporting	Downstream portion of segment	25			
2004	Overall Aquatic Life Use	Fully Supporting	Portion of segment downstream of Clifton	15			
2004	Overall Aquatic Life Use	Fully Supporting	Portion of segment downstream of Iredell	33			
2004	Overall Aquatic Life Use	Fully Supporting	Upstream portion of segment	30			

**Contact Recreation Use**

2002	E. coli single sample	Not Assessed	Downstream portion of segment	25	0		
2002	E. coli single sample	Not Assessed	Portion of segment downstream of Clifton	15	0		
2002	E. coli single sample	Not Assessed	Portion of segment downstream of Iredell	33	0		
2002	E. coli single sample	Not Assessed	Upstream portion of segment	30	3		
2002	E. coli geometric mean	Not Assessed	Downstream portion of segment	25	0		
2002	E. coli geometric mean	Not Assessed	Portion of segment downstream of Clifton	15	0		
2002	E. coli geometric mean	Not Assessed	Portion of segment downstream of Iredell	33	0		
2002	E. coli geometric mean	Not Assessed	Upstream portion of segment	30	3		
2002	Fecal coliform single sample	Fully Supporting	Downstream portion of segment	25	30	5	
2002	Fecal coliform single sample	Fully Supporting	Portion of segment downstream of Clifton	15	172	19	
2002	Fecal coliform single sample	Fully Supporting	Portion of segment downstream of Iredell	33	246	48	
2002	Fecal coliform single sample	Fully Supporting	Upstream portion of segment	30	265	63	
2002	Fecal coliform geometric mean	Fully Supporting	Downstream portion of segment	25	30		88
2002	Fecal coliform geometric mean	Fully Supporting	Portion of segment downstream of Clifton	15	172		55.7
2002	Fecal coliform geometric mean	Fully Supporting	Portion of segment downstream of Iredell	33	246		101.5

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**Contact Recreation Use** (continued)

2002	Fecal coliform geometric mean	Fully Supporting	Upstream portion of segment	30	265		174.4
2002	Overall Recreation Use	Fully Supporting	Downstream portion of segment	25			
2002	Overall Recreation Use	Fully Supporting	Portion of segment downstream of Clifton	15			
2002	Overall Recreation Use	Fully Supporting	Portion of segment downstream of Iredell	33			
2002	Overall Recreation Use	Fully Supporting	Upstream portion of segment	30			

**General Use**

2002	Water Temperature	Fully Supporting	Downstream portion of segment	25	36	0	
2002	Water Temperature	Fully Supporting	Portion of segment downstream of Clifton	15	202	3	
2002	Water Temperature	Fully Supporting	Portion of segment downstream of Iredell	33	278	4	
2002	Water Temperature	Fully Supporting	Upstream portion of segment	30	307	2	
2002	pH	Fully Supporting	Downstream portion of segment	25	36	0	
2002	pH	Fully Supporting	Portion of segment downstream of Clifton	15	194	0	
2002	pH	Fully Supporting	Portion of segment downstream of Iredell	33	277	1	
2002	pH	Fully Supporting	Upstream portion of segment	30	307	3	
2002	Chloride	Fully Supporting	Downstream portion of segment	25	186		40.16
2002	Chloride	Fully Supporting	Portion of segment downstream of Clifton	15	186		40.16
2002	Chloride	Fully Supporting	Portion of segment downstream of Iredell	33	186		40.16
2002	Chloride	Fully Supporting	Upstream portion of segment	30	186		40.16
2002	Sulfate	Fully Supporting	Downstream portion of segment	25	185		26.63
2002	Sulfate	Fully Supporting	Portion of segment downstream of Clifton	15	185		26.63
2002	Sulfate	Fully Supporting	Portion of segment downstream of Iredell	33	185		26.63
2002	Sulfate	Fully Supporting	Upstream portion of segment	30	185		26.63
2002	Total Dissolved Solids	Fully Supporting	Downstream portion of segment	25	810		380.9

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**General Use** (continued)

2002	Total Dissolved Solids	Fully Supporting	Portion of segment downstream of Clifton	15	810		380.9
2002	Total Dissolved Solids	Fully Supporting	Portion of segment downstream of Iredell	33	810		380.9
2002	Total Dissolved Solids	Fully Supporting	Upstream portion of segment	30	810		380.9
2002	Chlorophyll a	Not Supporting	Portion of segment downstream of Clifton	15			
2002	Chlorophyll a	Not Supporting	Portion of segment downstream of Iredell	33			
2002	Chlorophyll a	Not Supporting	Upstream portion of segment	30			
2002	Overall General Use	Fully Supporting	Downstream portion of segment	25			
2002	Overall General Use	Not Supporting	Portion of segment downstream of Clifton	15			
2002	Overall General Use	Not Supporting	Portion of segment downstream of Iredell	33			
2002	Overall General Use	Not Supporting	Upstream portion of segment	30			

**Fish Consumption Use**

2002	Overall Fish Consumption Use	Not Assessed	Downstream portion of segment	25			
2002	Overall Fish Consumption Use	Not Assessed	Portion of segment downstream of Clifton	15			
2002	Overall Fish Consumption Use	Not Assessed	Portion of segment downstream of Iredell	33			
2002	Overall Fish Consumption Use	Not Assessed	Upstream portion of segment	30			

**Public Water Supply Use**

2002	Overall Public Water Supply Use	Fully Supporting	Downstream portion of segment	25			
2002	Overall Public Water Supply Use	Fully Supporting	Portion of segment downstream of Clifton	15			
2002	Overall Public Water Supply Use	Fully Supporting	Portion of segment downstream of Iredell	33			
2002	Overall Public Water Supply Use	Fully Supporting	Upstream portion of segment	30			

**Overall Use Support**

2002		Fully Supporting	Downstream portion of segment	25			
2004		Not Supporting	Portion of segment downstream of Clifton	15			

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**Overall Use Support** (continued)

2004		Not Supporting	Portion of segment downstream of Iredell	33			
2004		Not Supporting	Upstream portion of segment	30			

**Nutrient Enrichment Concern**

2002	Ammonia Nitrogen	Not Assessed	Downstream portion of segment	25	0		
2002	Ammonia Nitrogen	No Concern	Portion of segment downstream of Clifton	15	137	5	
2002	Ammonia Nitrogen	No Concern	Portion of segment downstream of Iredell	33	224	10	
2002	Ammonia Nitrogen	No Concern	Upstream portion of segment	30	240	27	
2002	Nitrite + Nitrate Nitrogen	No Concern	Downstream portion of segment	25	31	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	Portion of segment downstream of Clifton	15	179	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	Portion of segment downstream of Iredell	33	261	1	
2002	Nitrite + Nitrate Nitrogen	No Concern	Upstream portion of segment	30	288	2	
2002	Orthophosphorus	No Concern	Downstream portion of segment	25	31	0	
2002	Orthophosphorus	No Concern	Portion of segment downstream of Clifton	15	179	0	
2002	Orthophosphorus	No Concern	Portion of segment downstream of Iredell	33	260	2	
2002	Orthophosphorus	No Concern	Upstream portion of segment	30	288	54	
2002	Total Phosphorus	Not Assessed	Downstream portion of segment	25	0		
2002	Total Phosphorus	No Concern	Portion of segment downstream of Clifton	15	138	0	
2002	Total Phosphorus	No Concern	Portion of segment downstream of Iredell	33	224	2	
2002	Total Phosphorus	No Concern	Upstream portion of segment	30	238	30	
2002	Overall Nutrient Enrichment Concerns	No Concern	Downstream portion of segment	25			
2002	Overall Nutrient Enrichment Concerns	No Concern	Portion of segment downstream of Clifton	15			
2002	Overall Nutrient Enrichment Concerns	No Concern	Portion of segment downstream of Iredell	33			

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**Nutrient Enrichment Concern** (continued)

2002	Overall Nutrient Enrichment Concerns	No Concern	Upstream portion of segment	30			
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**Algal Growth Concern**

2002	Chlorophyll a	Not Assessed	Downstream portion of segment	25	0		
2002	Chlorophyll a	Concern	Portion of segment downstream of Clifton	15	82	42	
2002	Chlorophyll a	Concern	Portion of segment downstream of Iredell	33	127	85	
2002	Chlorophyll a	Concern	Upstream portion of segment	30	144	86	

**Sediment Contaminants Concern**

2002	Metals in sediment	Not Assessed	Downstream portion of segment	25	1	0	
2002	Metals in sediment	Not Assessed	Portion of segment downstream of Clifton	15	1	0	
2002	Metals in sediment	Not Assessed	Portion of segment downstream of Iredell	33	1	0	
2002	Metals in sediment	Not Assessed	Upstream portion of segment	30	1		

2002	Overall Sediment Contaminant Concerns	Not Assessed	Downstream portion of segment	25			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Portion of segment downstream of Clifton	15			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Portion of segment downstream of Iredell	33			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Upstream portion of segment	30			

**Fish Tissue Contaminants Concern**

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Downstream portion of segment	25			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Portion of segment downstream of Clifton	15			

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**Fish Tissue Contaminants Concern** (continued)

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Portion of segment downstream of Iredell	33			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Upstream portion of segment	30			

**Public Water Supply Concern**

2002	Finished Water: Chloride	No Concern	Downstream portion of segment	25			
2002	Finished Water: Chloride	No Concern	Portion of segment downstream of Clifton	15			
2002	Finished Water: Chloride	No Concern	Portion of segment downstream of Iredell	33			
2002	Finished Water: Chloride	No Concern	Upstream portion of segment	30			
2002	Finished Water: Sulfate	No Concern	Downstream portion of segment	25			
2002	Finished Water: Sulfate	No Concern	Portion of segment downstream of Clifton	15			
2002	Finished Water: Sulfate	No Concern	Portion of segment downstream of Iredell	33			
2002	Finished Water: Sulfate	No Concern	Upstream portion of segment	30			
2002	Finished Water: Total Dissolved Solids	No Concern	Downstream portion of segment	25			
2002	Finished Water: Total Dissolved Solids	No Concern	Portion of segment downstream of Clifton	15			
2002	Finished Water: Total Dissolved Solids	No Concern	Portion of segment downstream of Iredell	33			
2002	Finished Water: Total Dissolved Solids	No Concern	Upstream portion of segment	30			
2002	Finished Water: MTBE	No Concern	Downstream portion of segment	25			
2002	Finished Water: MTBE	No Concern	Portion of segment downstream of Clifton	15			
2002	Finished Water: MTBE	No Concern	Portion of segment downstream of Iredell	33			
2002	Finished Water: MTBE	No Concern	Upstream portion of segment	30			
2002	Finished Water: Perchlorate	Not Assessed	Downstream portion of segment	25			

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**Public Water Supply Concern** (continued)

2002	Finished Water: Perchlorate	Not Assessed	Portion of segment downstream of Clifton	15			
2002	Finished Water: Perchlorate	Not Assessed	Portion of segment downstream of Iredell	33			
2002	Finished Water: Perchlorate	Not Assessed	Upstream portion of segment	30			
2002	Finished Water: Overall	No Concern	Downstream portion of segment	25			
2002	Finished Water: Overall	No Concern	Portion of segment downstream of Clifton	15			
2002	Finished Water: Overall	No Concern	Portion of segment downstream of Iredell	33			
2002	Finished Water: Overall	No Concern	Upstream portion of segment	30			
2002	Surface Water: Chloride	No Concern	Downstream portion of segment	25	186		40.16
2002	Surface Water: Chloride	No Concern	Portion of segment downstream of Clifton	15	186		40.16
2002	Surface Water: Chloride	No Concern	Portion of segment downstream of Iredell	33	186		40.16
2002	Surface Water: Chloride	No Concern	Upstream portion of segment	30	186		40.16
2002	Surface Water: Sulfate	No Concern	Downstream portion of segment	25	185		26.63
2002	Surface Water: Sulfate	No Concern	Portion of segment downstream of Clifton	15	185		26.63
2002	Surface Water: Sulfate	No Concern	Portion of segment downstream of Iredell	33	185		26.63
2002	Surface Water: Sulfate	No Concern	Upstream portion of segment	30	185		26.63
2002	Surface Water: Total Dissolved Solids	No Concern	Downstream portion of segment	25	810		380.9
2002	Surface Water: Total Dissolved Solids	No Concern	Portion of segment downstream of Clifton	15	810		380.9
2002	Surface Water: Total Dissolved Solids	No Concern	Portion of segment downstream of Iredell	33	810		380.9
2002	Surface Water: Total Dissolved Solids	No Concern	Upstream portion of segment	30	810		380.9
2002	Surface Water: Overall	No Concern	Downstream portion of segment	25			
2002	Surface Water: Overall	No Concern	Portion of segment downstream of Clifton	15			



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**Public Water Supply Concern** (continued)

2002	Surface Water: Overall	No Concern	Portion of segment downstream of Iredell	33			
2002	Surface Water: Overall	No Concern	Upstream portion of segment	30			
2002	Overall Public Water Supply Concerns	No Concern	Downstream portion of segment	25			
2002	Overall Public Water Supply Concerns	No Concern	Portion of segment downstream of Clifton	15			
2002	Overall Public Water Supply Concerns	No Concern	Portion of segment downstream of Iredell	33			
2002	Overall Public Water Supply Concerns	No Concern	Upstream portion of segment	30			

**Narrative Criteria Concern**

2002	Overall Narrative Criteria Concerns	No Concern	Downstream portion of segment	25			
2002	Overall Narrative Criteria Concerns	No Concern	Portion of segment downstream of Clifton	15			
2002	Overall Narrative Criteria Concerns	No Concern	Portion of segment downstream of Iredell	33			
2002	Overall Narrative Criteria Concerns	No Concern	Upstream portion of segment	30			

**Overall Secondary Concern**

2002		No Concern	Downstream portion of segment	25			
2002		Concern	Portion of segment downstream of Clifton	15			
2002		Concern	Portion of segment downstream of Iredell	33			
2002		Concern	Upstream portion of segment	30			