

Segment ID: 1246 **Water body name:** Middle Bosque/South Bosque River

Freshwater Stream

Brazos River Basin

Total size:

47

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	Middle Bosque River	27	90	4	
2002	Dissolved Oxygen grab average	No Concern	South Bosque River	20	118	10	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Middle Bosque River	27	90	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	South Bosque River	20	118	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	Middle Bosque River	27	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	South Bosque River	20	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Middle Bosque River	27	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	South Bosque River	20	0		
2002	Overall Aquatic Life Use	Fully Supporting	Middle Bosque River	27			
2002	Overall Aquatic Life Use	Fully Supporting	South Bosque River	20			

Contact Recreation Use

2002	E. coli single sample	Not Assessed	Middle Bosque River	27	1	0	
2002	E. coli single sample	Not Assessed	South Bosque River	20	2	0	
2002	E. coli geometric mean	Not Assessed	Middle Bosque River	27	1		108
2002	E. coli geometric mean	Not Assessed	South Bosque River	20	2		48
2002	Fecal coliform single sample	Fully Supporting	Middle Bosque River	27	82	13	
2002	Fecal coliform single sample	Fully Supporting	South Bosque River	20	101	21	
2002	Fecal coliform geometric mean	Fully Supporting	Middle Bosque River	27	82		0
2002	Fecal coliform geometric mean	Fully Supporting	South Bosque River	20	101		145
2002	Overall Recreation Use	Fully Supporting	Middle Bosque River	27			
2002	Overall Recreation Use	Fully Supporting	South Bosque River	20			

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General Use

2002	Water Temperature	Fully Supporting	Middle Bosque River	27	90	0	
2002	Water Temperature	Fully Supporting	South Bosque River	20	119	1	
2002	pH	Fully Supporting	Middle Bosque River	27	90	0	
2002	pH	Fully Supporting	South Bosque River	20	119	0	
2002	Chloride	Fully Supporting	Middle Bosque River	27	20		16.47
2002	Chloride	Fully Supporting	South Bosque River	20	20		16.47
2002	Sulfate	Fully Supporting	Middle Bosque River	27	20		51.56
2002	Sulfate	Fully Supporting	South Bosque River	20	20		51.56
2002	Total Dissolved Solids	Fully Supporting	Middle Bosque River	27	211		310.5
2002	Total Dissolved Solids	Fully Supporting	South Bosque River	20	211		310.5
2002	Overall General Use	Fully Supporting	Middle Bosque River	27			
2002	Overall General Use	Fully Supporting	South Bosque River	20			

Fish Consumption Use

2002	Overall Fish Consumption Use	Not Assessed	Middle Bosque River	27			
2002	Overall Fish Consumption Use	Not Assessed	South Bosque River	20			

Overall Use Support

2002		Fully Supporting	Middle Bosque River	27			
2002		Fully Supporting	South Bosque River	20			

Nutrient Enrichment Concern

2002	Ammonia Nitrogen	No Concern	Middle Bosque River	27	91	0	
2002	Ammonia Nitrogen	No Concern	South Bosque River	20	134	4	

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Nutrient Enrichment Concern (continued)

2002	Nitrite + Nitrate Nitrogen	No Concern	Middle Bosque River	27	91	23	
2002	Nitrite + Nitrate Nitrogen	Concern	South Bosque River	20	177	155	
2002	Orthophosphorus	No Concern	Middle Bosque River	27	90	0	
2002	Orthophosphorus	No Concern	South Bosque River	20	137	0	
2002	Total Phosphorus	No Concern	Middle Bosque River	27	91	0	
2002	Total Phosphorus	No Concern	South Bosque River	20	132	2	
2002	Overall Nutrient Enrichment Concerns	No Concern	Middle Bosque River	27			
2002	Overall Nutrient Enrichment Concerns	Concern	South Bosque River	20			

Algal Growth Concern

2002	Chlorophyll a	No Concern	Middle Bosque River	27	57	2	
2002	Chlorophyll a	No Concern	South Bosque River	20	72	3	

Sediment Contaminants Concern

2002	Overall Sediment Contaminant Concerns	Not Assessed	Middle Bosque River	27			
2002	Overall Sediment Contaminant Concerns	Not Assessed	South Bosque River	20			

Fish Tissue Contaminants Concern

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Middle Bosque River	27			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	South Bosque River	20			

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Narrative Criteria Concern

2002	Overall Narrative Criteria Concerns	No Concern	Middle Bosque River	27			
2002	Overall Narrative Criteria Concerns	No Concern	South Bosque River	20			

Overall Secondary Concern

2002		No Concern	Middle Bosque River	27			
2002		Concern	South Bosque River	20			