

**Segment ID: 1208****Water body name: Brazos River Above Possum Kingdom Lake**

Freshwater Stream

Brazos River Basin

Total size:

189 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	At confluence of the Clear Fork of the Brazos River	11	35	1	
2002	Dissolved Oxygen grab average	No Concern	Downstream portion of segment	19	32	2	
2002	Dissolved Oxygen grab average	No Concern	Middle portion of segment	42	11	0	
2002	Dissolved Oxygen grab average	No Concern	Portion of upstream and downstream of Seymour	22	36	1	
2002	Dissolved Oxygen grab minimum	Fully Supporting	At confluence of the Clear Fork of the Brazos River	11	35	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Downstream portion of segment	19	32	1	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Middle portion of segment	42	11	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Portion of upstream and downstream of Seymour	22	36	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	At confluence of the Clear Fork of the Brazos River	11	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Downstream portion of segment	19	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Middle portion of segment	42	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Portion of upstream and downstream of Seymour	22	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	At confluence of the Clear Fork of the Brazos River	11	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Downstream portion of segment	19	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Middle portion of segment	42	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Portion of upstream and downstream of Seymour	22	0		
2002	Acute Metals in water	Fully Supporting	Downstream portion of segment	19	10	0	
2002	Chronic Metals in water	Fully Supporting	Downstream portion of segment	19	10		
2002	Overall Aquatic Life Use	Fully Supporting	At confluence of the Clear Fork of the Brazos River	11			
2002	Overall Aquatic Life Use	Fully Supporting	Downstream portion of segment	19			
2002	Overall Aquatic Life Use	Fully Supporting	Middle portion of segment	42			
2002	Overall Aquatic Life Use	Not Assessed	Portion of segment upstream and downstream of Newcastle	31			
2002	Overall Aquatic Life Use	Fully Supporting	Portion of upstream and downstream of Seymour	22			

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**Aquatic Life Use** (continued)

2002	Overall Aquatic Life Use	Not Assessed	Upstream portion of segment	64			
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**Contact Recreation Use**

2002	E. coli single sample	Not Assessed	At confluence of the Clear Fork of the Brazos River	11	0		
2002	E. coli single sample	Not Assessed	Downstream portion of segment	19	0		
2002	E. coli single sample	Not Assessed	Middle portion of segment	42	0		
2002	E. coli single sample	Not Assessed	Portion of upstream and downstream of Seymour	22	0		
2002	E. coli geometric mean	Not Assessed	At confluence of the Clear Fork of the Brazos River	11	0		
2002	E. coli geometric mean	Not Assessed	Downstream portion of segment	19	0		
2002	E. coli geometric mean	Not Assessed	Middle portion of segment	42	0		
2002	E. coli geometric mean	Not Assessed	Portion of upstream and downstream of Seymour	22	0		
2002	Fecal coliform single sample	Fully Supporting	At confluence of the Clear Fork of the Brazos River	11	30	7	
2002	Fecal coliform single sample	Fully Supporting	Downstream portion of segment	19	25	1	
2002	Fecal coliform single sample	Use Concern	Middle portion of segment	42	10	3	
2002	Fecal coliform single sample	Fully Supporting	Portion of upstream and downstream of Seymour	22	20	4	
2002	Fecal coliform geometric mean	Fully Supporting	At confluence of the Clear Fork of the Brazos River	11	30		91
2002	Fecal coliform geometric mean	Fully Supporting	Downstream portion of segment	19	25		39
2002	Fecal coliform geometric mean	Fully Supporting	Middle portion of segment	42	10		78
2002	Fecal coliform geometric mean	Fully Supporting	Portion of upstream and downstream of Seymour	22	20		84
2002	Overall Recreation Use	Fully Supporting	At confluence of the Clear Fork of the Brazos River	11			
2002	Overall Recreation Use	Fully Supporting	Downstream portion of segment	19			
2002	Overall Recreation Use	Fully Supporting	Middle portion of segment	42			
2002	Overall Recreation Use	Not Assessed	Portion of segment upstream and downstream of Newcastle	31			
2002	Overall Recreation Use	Fully Supporting	Portion of upstream and downstream of Seymour	22			

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**Contact Recreation Use** (continued)

2002	Overall Recreation Use	Not Assessed	Upstream portion of segment	64			
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**General Use**

2002	Water Temperature	Fully Supporting	At confluence of the Clear Fork of the Brazos River	11	37	0	
2002	Water Temperature	Fully Supporting	Downstream portion of segment	19	32	0	
2002	Water Temperature	Fully Supporting	Middle portion of segment	42	11	0	
2002	Water Temperature	Fully Supporting	Portion of upstream and downstream of Seymour	22	37	0	
2002	pH	Fully Supporting	At confluence of the Clear Fork of the Brazos River	11	37	1	
2002	pH	Fully Supporting	Downstream portion of segment	19	32	2	
2002	pH	Fully Supporting	Middle portion of segment	42	11	0	
2002	pH	Fully Supporting	Portion of upstream and downstream of Seymour	22	35	0	
2002	Chloride	Fully Supporting	At confluence of the Clear Fork of the Brazos River	11	111		1,884.8
2002	Chloride	Fully Supporting	Downstream portion of segment	19	111		1,884.8
2002	Chloride	Fully Supporting	Middle portion of segment	42	111		1,884.8
2002	Chloride	Fully Supporting	Portion of segment upstream and downstream of Newcastle	31	111		1,884.8
2002	Chloride	Fully Supporting	Portion of upstream and downstream of Seymour	22	111		1,884.8
2002	Chloride	Fully Supporting	Upstream portion of segment	64	111		1,884.8
2002	Sulfate	Fully Supporting	At confluence of the Clear Fork of the Brazos River	11	109		838.7
2002	Sulfate	Fully Supporting	Downstream portion of segment	19	109		838.7
2002	Sulfate	Fully Supporting	Middle portion of segment	42	109		838.7

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**General Use** (continued)

2002	Sulfate	Fully Supporting	Portion of segment upstream and downstream of Newcastle	31	109		838.7
2002	Sulfate	Fully Supporting	Portion of upstream and downstream of Seymour	22	109		838.7
2002	Sulfate	Fully Supporting	Upstream portion of segment	64	109		838.7
2002	Total Dissolved Solids	Fully Supporting	At confluence of the Clear Fork of the Brazos River	11	116		4,453.3
2002	Total Dissolved Solids	Fully Supporting	Downstream portion of segment	19	116		4,453.3
2002	Total Dissolved Solids	Fully Supporting	Middle portion of segment	42	116		4,453.3
2002	Total Dissolved Solids	Fully Supporting	Portion of segment upstream and downstream of Newcastle	31	116		4,453.3
2002	Total Dissolved Solids	Fully Supporting	Portion of upstream and downstream of Seymour	22	116		4,453.3
2002	Total Dissolved Solids	Fully Supporting	Upstream portion of segment	64	116		4,453.3
2002	Overall General Use	Fully Supporting	At confluence of the Clear Fork of the Brazos River	11			
2002	Overall General Use	Fully Supporting	Downstream portion of segment	19			
2002	Overall General Use	Fully Supporting	Middle portion of segment	42			
2002	Overall General Use	Fully Supporting	Portion of segment upstream and downstream of Newcastle	31			
2002	Overall General Use	Fully Supporting	Portion of upstream and downstream of Seymour	22			
2002	Overall General Use	Fully Supporting	Upstream portion of segment	64			

**Fish Consumption Use**

2002	Human Health Criteria Chromium	Fully Supporting	Downstream portion of segment	19	10		1.6
2002	Human Health Criteria Lead	Fully Supporting	Downstream portion of segment	19	10		1.13

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**Fish Consumption Use** (continued)

2002	Overall Fish Consumption Use	Not Assessed	At confluence of the Clear Fork of the Brazos River	11			
2002	Overall Fish Consumption Use	Fully Supporting	Downstream portion of segment	19			
2002	Overall Fish Consumption Use	Not Assessed	Middle portion of segment	42			
2002	Overall Fish Consumption Use	Not Assessed	Portion of segment upstream and downstream of Newcastle	31			
2002	Overall Fish Consumption Use	Not Assessed	Portion of upstream and downstream of Seymour	22			
2002	Overall Fish Consumption Use	Not Assessed	Upstream portion of segment	64			

**Overall Use Support**

2002		Fully Supporting	At confluence of the Clear Fork of the Brazos River	11			
2002		Fully Supporting	Downstream portion of segment	19			
2002		Fully Supporting	Middle portion of segment	42			
2002		Fully Supporting	Portion of segment upstream and downstream of Newcastle	31			
2002		Fully Supporting	Portion of upstream and downstream of Seymour	22			
2002		Fully Supporting	Upstream portion of segment	64			

**Nutrient Enrichment Concern**

2002	Ammonia Nitrogen	Not Assessed	At confluence of the Clear Fork of the Brazos River	11	0		
2002	Ammonia Nitrogen	No Concern	Downstream portion of segment	19	18	0	
2002	Ammonia Nitrogen	Not Assessed	Middle portion of segment	42	0		
2002	Ammonia Nitrogen	No Concern	Portion of upstream and downstream of Seymour	22	15	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	At confluence of the Clear Fork of the Brazos River	11	36	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	Downstream portion of segment	19	31	4	
2002	Nitrite + Nitrate Nitrogen	No Concern	Middle portion of segment	42	11	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	Portion of upstream and downstream of Seymour	22	34	2	

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**Nutrient Enrichment Concern** (continued)

2002	Orthophosphorus	No Concern	At confluence of the Clear Fork of the Brazos River	11	35	0	
2002	Orthophosphorus	No Concern	Downstream portion of segment	19	29	1	
2002	Orthophosphorus	No Concern	Middle portion of segment	42	11	0	
2002	Orthophosphorus	No Concern	Portion of upstream and downstream of Seymour	22	34	3	
2002	Total Phosphorus	Not Assessed	At confluence of the Clear Fork of the Brazos River	11	0		
2002	Total Phosphorus	No Concern	Downstream portion of segment	19	19	0	
2002	Total Phosphorus	Not Assessed	Middle portion of segment	42	0		
2002	Total Phosphorus	Not Assessed	Portion of upstream and downstream of Seymour	22	0		
2002	Overall Nutrient Enrichment Concerns	No Concern	At confluence of the Clear Fork of the Brazos River	11			
2002	Overall Nutrient Enrichment Concerns	No Concern	Downstream portion of segment	19			
2002	Overall Nutrient Enrichment Concerns	No Concern	Middle portion of segment	42			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Portion of segment upstream and downstream of Newcastle	31			
2002	Overall Nutrient Enrichment Concerns	No Concern	Portion of upstream and downstream of Seymour	22			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Upstream portion of segment	64			

**Algal Growth Concern**

2002	Chlorophyll a	Not Assessed	At confluence of the Clear Fork of the Brazos River	11	0		
2002	Chlorophyll a	Concern	Downstream portion of segment	19	19	8	
2002	Chlorophyll a	Not Assessed	Middle portion of segment	42	0		
2002	Chlorophyll a	Not Assessed	Portion of segment upstream and downstream of Newcastle	31			
2002	Chlorophyll a	Not Assessed	Portion of upstream and downstream of Seymour	22	0		

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**Algal Growth Concern** (continued)

2002	Chlorophyll a	Not Assessed	Upstream portion of segment	64			
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**Sediment Contaminants Concern**

2002	85% Metals in sediment Arsenic	Concern	Downstream portion of segment	19	10	6	
2002	85% Metals in sediment Barium	Concern	Downstream portion of segment	19	10	9	
2002	85% Metals in sediment Chromium	Concern	Downstream portion of segment	19	10	7	
2002	85% Metals in sediment Copper	Concern	Downstream portion of segment	19	10	7	
2002	Overall Sediment Contaminant Concerns	Not Assessed	At confluence of the Clear Fork of the Brazos River	11			
2002	Overall Sediment Contaminant Concerns	Concern	Downstream portion of segment	19			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Middle portion of segment	42			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Portion of segment upstream and downstream of Newcastle	31			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Portion of upstream and downstream of Seymour	22			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Upstream portion of segment	64			

**Fish Tissue Contaminants Concern**

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	At confluence of the Clear Fork of the Brazos River	11			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Downstream portion of segment	19			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Middle portion of segment	42			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Portion of segment upstream and downstream of Newcastle	31			

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**Fish Tissue Contaminants Concern** (continued)

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Portion of upstream and downstream of Seymour	22			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Upstream portion of segment	64			

**Narrative Criteria Concern**

2004	Algal Growth	Concern	At confluence of the Clear Fork of the Brazos River	11			
2004	Algal Growth	Concern	Downstream portion of segment	19			
2004	Algal Growth	Concern	Middle portion of segment	42			
2004	Algal Growth	Concern	Portion of segment upstream and downstream of Newcastle	31			
2004	Algal Growth	Concern	Portion of upstream and downstream of Seymour	22			
2004	Algal Growth	Concern	Upstream portion of segment	64			
2004	Overall Narrative Criteria Concerns	Concern	At confluence of the Clear Fork of the Brazos River	11			
2004	Overall Narrative Criteria Concerns	Concern	Downstream portion of segment	19			
2004	Overall Narrative Criteria Concerns	Concern	Middle portion of segment	42			
2004	Overall Narrative Criteria Concerns	Concern	Portion of segment upstream and downstream of Newcastle	31			
2004	Overall Narrative Criteria Concerns	Concern	Portion of upstream and downstream of Seymour	22			
2004	Overall Narrative Criteria Concerns	Concern	Upstream portion of segment	64			

**Overall Secondary Concern**

2004		Concern	At confluence of the Clear Fork of the Brazos River	11			
2004		Concern	Downstream portion of segment	19			



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**Overall Secondary Concern** (continued)

2004		Concern	Middle portion of segment	42			
2004		Concern	Portion of segment upstream and downstream of Newcastle	31			
2004		Concern	Portion of upstream and downstream of Seymour	22			
2004		Concern	Upstream portion of segment	64			