

Segment ID: 0513 **Water body name: Big Cow Creek**

Freshwater Stream

Sabine River Basin

Total size:

30 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	Entire segment	30	58	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Entire segment	30	58	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	Entire segment	30	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Entire segment	30	0		
2002	Acute Metals in water	Not Assessed	Entire segment	30	1		
2002	Chronic Metals in water	Not Assessed	Entire segment	30	1		
2002	Overall Aquatic Life Use	Fully Supporting	Entire segment	30			

Contact Recreation Use

2002	E. coli single sample	Not Assessed	Entire segment	30	0		
2002	E. coli geometric mean	Not Assessed	Entire segment	30	0		
2002	Fecal coliform single sample	Fully Supporting	Entire segment	30	55	11	
2002	Fecal coliform geometric mean	Fully Supporting	Entire segment	30	55		143
2002	Overall Recreation Use	Fully Supporting	Entire segment	30			

General Use

2002	Water Temperature	Fully Supporting	Entire segment	30	59	0	
2002	pH	Fully Supporting	Entire segment	30	59	2	
2002	Chloride	Fully Supporting	Entire segment	30	51		5.3
2002	Sulfate	Fully Supporting	Entire segment	30	53		2.6

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General Use (continued)

2002	Total Dissolved Solids	Fully Supporting	Entire segment	30	65		41.5
2002	Overall General Use	Fully Supporting	Entire segment	30			

Fish Consumption Use

2002	Human Health Criteria Metals	Not Assessed	Entire segment	30	1		
2002	Overall Fish Consumption Use	Not Assessed	Entire segment	30			

Public Water Supply Use

2002	Finished Water: Running Avg	Fully Supporting	Entire segment	30			
2002	Surface Water: Long-term average Fluoride	Fully Supporting	Entire segment	30	56		0.23
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Entire segment	30	50		0.08
2002	Overall Public Water Supply Use	Fully Supporting	Entire segment	30			

Overall Use Support

2002		Fully Supporting	Entire segment	30			
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Nutrient Enrichment Concern

2002	Ammonia Nitrogen	No Concern	Entire segment	30	35	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	Entire segment	30	50	0	
2002	Orthophosphorus	No Concern	Entire segment	30	47	0	
2002	Total Phosphorus	No Concern	Entire segment	30	17	0	

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Nutrient Enrichment Concern (continued)

2002	Overall Nutrient Enrichment Concerns	No Concern	Entire segment	30			
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Algal Growth Concern

2002	Chlorophyll a	Not Assessed	Entire segment	30	0		
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Sediment Contaminants Concern

2002	Overall Sediment Contaminant Concerns	Not Assessed	Entire segment	30			
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Fish Tissue Contaminants Concern

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Entire segment	30			
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Public Water Supply Concern

2002	Finished Water: Chloride	No Concern	Entire segment	30			
2002	Finished Water: Sulfate	No Concern	Entire segment	30			
2002	Finished Water: Total Dissolved Solids	No Concern	Entire segment	30			
2002	Finished Water: MTBE	No Concern	Entire segment	30			
2002	Finished Water: Perchlorate	Not Assessed	Entire segment	30			
2002	Finished Water: Overall	No Concern	Entire segment	30			
2002	Surface Water: Chloride	No Concern	Entire segment	30	51		5.3
2002	Surface Water: Sulfate	No Concern	Entire segment	30	53		2.6

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Public Water Supply Concern (continued)

2002	Surface Water: Total Dissolved Solids	No Concern	Entire segment	30	65		41.5
2002	Surface Water: Overall	No Concern	Entire segment	30			
2002	Overall Public Water Supply Concerns	No Concern	Entire segment	30			

Narrative Criteria Concern

2002	Overall Narrative Criteria Concerns	No Concern	Entire segment	30			
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Overall Secondary Concern

2002		No Concern	Entire segment	30			
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