

Segment ID: 2107 Water body name: Atascosa River

Freshwater Stream

Nueces 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	25 miles surrounding U.S. 281	25	12	2	
2002	Dissolved Oxygen grab average	No Concern	Lower 25 miles of segment	25	13	1	
2002	Dissolved Oxygen grab minimum	Fully Supporting	25 miles surrounding U.S. 281	25	12	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Lower 25 miles of segment	25	13	1	
2002	Dissolved Oxygen 24hr average	Not Assessed	25 miles surrounding U.S. 281	25	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Lower 25 miles of segment	25	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	25 miles surrounding U.S. 281	25	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Lower 25 miles of segment	25	0		
2002	Overall Aquatic Life Use	Fully Supporting	25 miles surrounding U.S. 281	25			
2002	Overall Aquatic Life Use	Fully Supporting	Lower 25 miles of segment	25			
2002	Overall Aquatic Life Use	Not Assessed	Remainder of segment	53			

Contact Recreation Use

2004	E. coli single sample	No Concern-Limited Data	25 miles surrounding U.S. 281	25	6	0	
2004	E. coli single sample	Not Supporting	Lower 25 miles of segment	25	10	7	
2004	E. coli geometric mean	No Concern-Limited Data	25 miles surrounding U.S. 281	25	6		
2004	E. coli geometric mean	Not Supporting	Lower 25 miles of segment	25	10		567
2004	Fecal coliform single sample	No Concern-Limited Data	25 miles surrounding U.S. 281	25	9	2	
2004	Fecal coliform single sample	Not Supporting	Lower 25 miles of segment	25	10	7	
2004	Fecal coliform geometric mean	Use Concern-Limited Data	25 miles surrounding U.S. 281	25	9		420

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Contact Recreation Use (continued)

2004	Fecal coliform geometric mean	Not Supporting	Lower 25 miles of segment	25	10		547
2004	Overall Recreation Use	Not Assessed	25 miles surrounding U.S. 281	25			
2004	Overall Recreation Use	Not Supporting	Lower 25 miles of segment	25			
2004	Overall Recreation Use	Not Assessed	Remainder of segment	53			

General Use

2002	Water Temperature	Fully Supporting	25 miles surrounding U.S. 281	25	13	0	
2002	Water Temperature	Fully Supporting	Lower 25 miles of segment	25	21	0	
2002	pH	Fully Supporting	25 miles surrounding U.S. 281	25	12	0	
2002	pH	Fully Supporting	Lower 25 miles of segment	25	16	0	
2002	Chloride	Fully Supporting	25 miles surrounding U.S. 281	25	30		183.5
2002	Chloride	Fully Supporting	Lower 25 miles of segment	25	30		183.5
2002	Chloride	Fully Supporting	Remainder of segment	53	30		183.5
2002	Sulfate	Fully Supporting	25 miles surrounding U.S. 281	25	30		161.8
2002	Sulfate	Fully Supporting	Lower 25 miles of segment	25	30		161.8
2002	Sulfate	Fully Supporting	Remainder of segment	53	30		161.8
2002	Total Dissolved Solids	Fully Supporting	25 miles surrounding U.S. 281	25	36		1,043.13
2002	Total Dissolved Solids	Fully Supporting	Lower 25 miles of segment	25	36		1,043.13
2002	Total Dissolved Solids	Fully Supporting	Remainder of segment	53	36		1,043.13
2002	Overall General Use	Fully Supporting	25 miles surrounding U.S. 281	25			
2002	Overall General Use	Fully Supporting	Lower 25 miles of segment	25			

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General Use (continued)

2002	Overall General Use	Fully Supporting	Remainder of segment	53			
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Fish Consumption Use

2002	Overall Fish Consumption Use	Not Assessed	25 miles surrounding U.S. 281	25			
2002	Overall Fish Consumption Use	Not Assessed	Lower 25 miles of segment	25			
2002	Overall Fish Consumption Use	Not Assessed	Remainder of segment	53			

Public Water Supply Use

2002	Finished Water: Running Avg	Fully Supporting	25 miles surrounding U.S. 281	25			
2002	Finished Water: Running Avg	Fully Supporting	Lower 25 miles of segment	25			
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	25 miles surrounding U.S. 281	25	12		2.69
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	Lower 25 miles of segment	25	17		0.2
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	25 miles surrounding U.S. 281	25	12	0	
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	Lower 25 miles of segment	25	17	0	
2002	Overall Public Water Supply Use	Fully Supporting	25 miles surrounding U.S. 281	25			
2002	Overall Public Water Supply Use	Fully Supporting	Lower 25 miles of segment	25			
2002	Overall Public Water Supply Use	Fully Supporting	Remainder of segment	53			

Overall Use Support

2004		Fully Supporting	25 miles surrounding U.S. 281	25			
2004		Not Supporting	Lower 25 miles of segment	25			
2004		Fully Supporting	Remainder of segment	53			

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Nutrient Enrichment Concern

2002	Ammonia Nitrogen	Concern	25 miles surrounding U.S. 281	25	13	4	
2002	Ammonia Nitrogen	No Concern	Lower 25 miles of segment	25	17	1	
2002	Nitrite + Nitrate Nitrogen	No Concern	25 miles surrounding U.S. 281	25	12	2	
2002	Nitrite + Nitrate Nitrogen	No Concern	Lower 25 miles of segment	25	17	0	
2002	Orthophosphorus	No Concern	25 miles surrounding U.S. 281	25	12	2	
2002	Orthophosphorus	No Concern	Lower 25 miles of segment	25	16	0	
2002	Total Phosphorus	No Concern	25 miles surrounding U.S. 281	25	13	2	
2002	Total Phosphorus	No Concern	Lower 25 miles of segment	25	17	2	
2002	Overall Nutrient Enrichment Concerns	Concern	25 miles surrounding U.S. 281	25			
2002	Overall Nutrient Enrichment Concerns	No Concern	Lower 25 miles of segment	25			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Remainder of segment	53			

Algal Growth Concern

2002	Chlorophyll a	Concern	25 miles surrounding U.S. 281	25	13	8	
2002	Chlorophyll a	No Concern	Lower 25 miles of segment	25	17	3	
2002	Chlorophyll a	Not Assessed	Remainder of segment	53			

Sediment Contaminants Concern

2002	Overall Sediment Contaminant Concerns	Not Assessed	25 miles surrounding U.S. 281	25			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Lower 25 miles of segment	25			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Remainder of segment	53			

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Fish Tissue Contaminants Concern

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	25 miles surrounding U.S. 281	25			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower 25 miles of segment	25			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Remainder of segment	53			

Public Water Supply Concern

2002	Finished Water: Chloride	No Concern	25 miles surrounding U.S. 281	25			
2002	Finished Water: Chloride	No Concern	Lower 25 miles of segment	25			
2002	Finished Water: Chloride	No Concern	Remainder of segment	53			
2002	Finished Water: Sulfate	No Concern	25 miles surrounding U.S. 281	25			
2002	Finished Water: Sulfate	No Concern	Lower 25 miles of segment	25			
2002	Finished Water: Sulfate	No Concern	Remainder of segment	53			
2002	Finished Water: Total Dissolved Solids	No Concern	25 miles surrounding U.S. 281	25			
2002	Finished Water: Total Dissolved Solids	No Concern	Lower 25 miles of segment	25			
2002	Finished Water: Total Dissolved Solids	No Concern	Remainder of segment	53			
2002	Finished Water: MTBE	No Concern	25 miles surrounding U.S. 281	25			
2002	Finished Water: MTBE	No Concern	Lower 25 miles of segment	25			
2002	Finished Water: MTBE	No Concern	Remainder of segment	53			
2002	Finished Water: Perchlorate	Not Assessed	25 miles surrounding U.S. 281	25			
2002	Finished Water: Perchlorate	Not Assessed	Lower 25 miles of segment	25			
2002	Finished Water: Perchlorate	Not Assessed	Remainder of segment	53			

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Public Water Supply Concern (continued)

2002	Finished Water: Overall	No Concern	25 miles surrounding U.S. 281	25			
2002	Finished Water: Overall	No Concern	Lower 25 miles of segment	25			
2002	Finished Water: Overall	No Concern	Remainder of segment	53			
2002	Surface Water: Chloride	No Concern	25 miles surrounding U.S. 281	25	30		183.5
2002	Surface Water: Chloride	No Concern	Lower 25 miles of segment	25	30		183.5
2002	Surface Water: Chloride	No Concern	Remainder of segment	53	30		183.5
2002	Surface Water: Sulfate	No Concern	25 miles surrounding U.S. 281	25	30		161.8
2002	Surface Water: Sulfate	No Concern	Lower 25 miles of segment	25	30		161.8
2002	Surface Water: Sulfate	No Concern	Remainder of segment	53	30		161.8
2002	Surface Water: Total Dissolved Solids	Concern	25 miles surrounding U.S. 281	25	36		1,043.13
2002	Surface Water: Total Dissolved Solids	Concern	Lower 25 miles of segment	25	36		1,043.13
2002	Surface Water: Total Dissolved Solids	Concern	Remainder of segment	53	36		1,043.13
2002	Surface Water: Overall	Concern	25 miles surrounding U.S. 281	25			
2002	Surface Water: Overall	Concern	Lower 25 miles of segment	25			
2002	Surface Water: Overall	Concern	Remainder of segment	53			
2002	Overall Public Water Supply Concerns	Concern	25 miles surrounding U.S. 281	25			
2002	Overall Public Water Supply Concerns	Concern	Lower 25 miles of segment	25			
2002	Overall Public Water Supply Concerns	Concern	Remainder of segment	53			

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Narrative Criteria Concern

2002	Overall Narrative Criteria Concerns	No Concern	25 miles surrounding U.S. 281	25			
2002	Overall Narrative Criteria Concerns	No Concern	Lower 25 miles of segment	25			
2002	Overall Narrative Criteria Concerns	No Concern	Remainder of segment	53			

Overall Secondary Concern

2002		Concern	25 miles surrounding U.S. 281	25			
2002		Concern	Lower 25 miles of segment	25			
2002		Concern	Remainder of segment	53			