

Segment ID: 2202 Water body name: Arroyo Colorado Above Tidal

Freshwater Stream

Nueces-Rio Grande Coastal Basin

Total size:

63 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	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25	30	2	
2002	Dissolved Oxygen grab average	No Concern	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15	43	1	
2002	Dissolved Oxygen grab average	Use Concern	Lower 4 miles of segment	4	35	6	
2004	Dissolved Oxygen grab average	Use Concern	Upper 19 miles of segment	19	36	4	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25	30	1	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15	43	1	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Lower 4 miles of segment	4	35	1	
2004	Dissolved Oxygen grab minimum	Fully Supporting	Upper 19 miles of segment	19	36	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Lower 4 miles of segment	4	0		
2004	Dissolved Oxygen 24hr average	Not Assessed	Upper 19 miles of segment	19	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Lower 4 miles of segment	4	0		
2004	Dissolved Oxygen 24hr minimum	Not Assessed	Upper 19 miles of segment	19	0		
2002	Acute Metals in water	Fully Supporting	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15	24	0	
2002	Acute Metals in water	Not Assessed	Lower 4 miles of segment	4	3		

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Aquatic Life Use (continued)

2002	Chronic Metals in water	Fully Supporting	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15	24		
2002	Chronic Metals in water	Not Assessed	Lower 4 miles of segment	4	3		
2002	Acute Organics in water	Not Assessed	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25	2		
2002	Acute Organics in water	Fully Supporting	Lower 4 miles of segment	4	10	0	
2002	Chronic Organics in water	Not Assessed	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25	2		
2002	Chronic Organics in water	Fully Supporting	Lower 4 miles of segment	4	10		
2002	Overall Aquatic Life Use	Fully Supporting	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25			
2002	Overall Aquatic Life Use	Fully Supporting	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15			
2002	Overall Aquatic Life Use	Fully Supporting	Lower 4 miles of segment	4			
2004	Overall Aquatic Life Use	Fully Supporting	Upper 19 miles of segment	19			

Contact Recreation Use

2004	E. coli single sample	No Concern-Limited Data	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25	8	1	
2002	E. coli single sample	Not Assessed	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15	0		
2004	E. coli single sample	No Concern-Limited Data	Lower 4 miles of segment	4	6	1	
2004	E. coli single sample	No Concern-Limited Data	Upper 19 miles of segment	19	6	1	
2004	E. coli geometric mean	Use Concern-Limited Data	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25	8		216

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Contact Recreation Use (continued)

2002	E. coli geometric mean	Not Assessed	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15	0		
2004	E. coli geometric mean	No Concern-Limited Data	Lower 4 miles of segment	4	6		95
2004	E. coli geometric mean	Use Concern-Limited Data	Upper 19 miles of segment	19	6		169
2004	Fecal coliform single sample	Not Supporting	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25	63	46	
2004	Fecal coliform single sample	Not Supporting	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15	49	34	
2004	Fecal coliform single sample	Not Supporting	Lower 4 miles of segment	4	39	21	
2004	Fecal coliform single sample	Not Supporting	Upper 19 miles of segment	19	27	20	
2004	Fecal coliform geometric mean	Not Supporting	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25	63		1,047
2004	Fecal coliform geometric mean	Not Supporting	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15	49		953
2004	Fecal coliform geometric mean	Not Supporting	Lower 4 miles of segment	4	39		607
2004	Fecal coliform geometric mean	Not Supporting	Upper 19 miles of segment	19	27		884
2004	Overall Recreation Use	Not Supporting	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25			
2004	Overall Recreation Use	Not Supporting	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15			
2004	Overall Recreation Use	Not Supporting	Lower 4 miles of segment	4			
2004	Overall Recreation Use	Not Supporting	Upper 19 miles of segment	19			

General Use

2002	Water Temperature	Fully Supporting	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25	30	0	
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General Use (continued)

2002	Water Temperature	Fully Supporting	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15	43	0	
2002	Water Temperature	Fully Supporting	Lower 4 miles of segment	4	36	0	
2004	Water Temperature	Fully Supporting	Upper 19 miles of segment	19	45	0	
2002	pH	Fully Supporting	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25	29	0	
2002	pH	Fully Supporting	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15	40	0	
2002	pH	Fully Supporting	Lower 4 miles of segment	4	35	0	
2004	pH	Fully Supporting	Upper 19 miles of segment	19	45	0	
2004	Chloride	Fully Supporting	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25	274		769
2004	Chloride	Fully Supporting	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15	274		769
2004	Chloride	Fully Supporting	Lower 4 miles of segment	4	274		769
2004	Chloride	Fully Supporting	Upper 19 miles of segment	19	274		769
2004	Sulfate	Fully Supporting	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25	274		694
2004	Sulfate	Fully Supporting	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15	274		694
2004	Sulfate	Fully Supporting	Lower 4 miles of segment	4	274		694
2004	Sulfate	Fully Supporting	Upper 19 miles of segment	19	274		694
2004	Total Dissolved Solids	Fully Supporting	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25	274		2,536
2004	Total Dissolved Solids	Fully Supporting	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15	274		2,536
2004	Total Dissolved Solids	Fully Supporting	Lower 4 miles of segment	4	274		2,536

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General Use (continued)

2004	Total Dissolved Solids	Fully Supporting	Upper 19 miles of segment	19	274		2,536
2004	Overall General Use	Fully Supporting	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25			
2004	Overall General Use	Fully Supporting	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15			
2004	Overall General Use	Fully Supporting	Lower 4 miles of segment	4			
2004	Overall General Use	Fully Supporting	Upper 19 miles of segment	19			

Fish Consumption Use

2002	Advisories and Closures Restricted-Consumption	Partially Supporting	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25			
2004	Advisories and Closures Restricted-Consumption	Partially Supporting	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25			
2002	Advisories and Closures Restricted-Consumption	Partially Supporting	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15			
2004	Advisories and Closures Restricted-Consumption	Partially Supporting	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15			
2002	Advisories and Closures Restricted-Consumption	Partially Supporting	Lower 4 miles of segment	4			
2004	Advisories and Closures Restricted-Consumption	Partially Supporting	Lower 4 miles of segment	4			
2004	Advisories and Closures Restricted-Consumption	Partially Supporting	Upper 19 miles of segment	19			
2002	Human Health Criteria Chromium	Fully Supporting	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15	24		2.07
2002	Human Health Criteria Lead	Fully Supporting	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15	24		1.06
2002	Human Health Criteria Metals	Not Assessed	Lower 4 miles of segment	4	2		

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Fish Consumption Use (continued)

2002	Human Health Criteria Organics	Not Assessed	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25	2		
2002	Human Health Criteria Organics	Fully Supporting	Lower 4 miles of segment	4	10		
2004	Overall Fish Consumption Use	Partially Supporting	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25			
2004	Overall Fish Consumption Use	Partially Supporting	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15			
2004	Overall Fish Consumption Use	Partially Supporting	Upper 19 miles of segment	19			
2004	Overall Fish Consumption Use Restricted-Consumption	Partially Supporting	Lower 4 miles of segment	4			

Overall Use Support

2004		Not Supporting	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25			
2004		Not Supporting	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15			
2004		Not Supporting	Lower 4 miles of segment	4			
2004		Not Supporting	Upper 19 miles of segment	19			

Nutrient Enrichment Concern

2002	Ammonia Nitrogen	Concern	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25	27	23	
2002	Ammonia Nitrogen	No Concern	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15	43	7	
2002	Ammonia Nitrogen	Concern	Lower 4 miles of segment	4	49	37	
2004	Ammonia Nitrogen	Concern	Upper 19 miles of segment	19	45	42	
2002	Nitrite + Nitrate Nitrogen	Concern	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25	27	27	

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Nutrient Enrichment Concern (continued)

2002	Nitrite + Nitrate Nitrogen	Concern	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15	43	39	
2002	Nitrite + Nitrate Nitrogen	Concern	Lower 4 miles of segment	4	47	16	
2004	Nitrite + Nitrate Nitrogen	Concern	Upper 19 miles of segment	19	45	44	
2002	Orthophosphorus	Concern	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25	27	13	
2002	Orthophosphorus	No Concern	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15	43	4	
2002	Orthophosphorus	Concern	Lower 4 miles of segment	4	47	20	
2004	Orthophosphorus	Concern	Upper 19 miles of segment	19	44	33	
2002	Total Phosphorus	Concern	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25	24	12	
2002	Total Phosphorus	No Concern	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15	40	3	
2002	Total Phosphorus	Concern	Lower 4 miles of segment	4	45	19	
2004	Total Phosphorus	Concern	Upper 19 miles of segment	19	45	32	
2002	Overall Nutrient Enrichment Concerns	Concern	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25			
2002	Overall Nutrient Enrichment Concerns	Concern	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15			
2002	Overall Nutrient Enrichment Concerns	Concern	Lower 4 miles of segment	4			
2004	Overall Nutrient Enrichment Concerns	Concern	Upper 19 miles of segment	19			

Algal Growth Concern

2002	Chlorophyll a	Concern	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25	27	14	
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Algal Growth Concern (continued)

2002	Chlorophyll a	Not Assessed	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15	6		
2002	Chlorophyll a	Concern	Lower 4 miles of segment	4	49	39	
2004	Chlorophyll a	Concern	Upper 19 miles of segment	19	45	19	

Sediment Contaminants Concern

2002	Metals in sediment	Not Assessed	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25	4		
2002	Metals in sediment	Not Assessed	Lower 4 miles of segment	4	5		
2002	Organics in sediment	Not Assessed	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25	4		
2002	Organics in sediment	Not Assessed	Lower 4 miles of segment	4	7		
2002	Overall Sediment Contaminant Concerns	Not Assessed	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Lower 4 miles of segment	4			
2004	Overall Sediment Contaminant Concerns	Not Assessed	Upper 19 miles of segment	19			

Fish Tissue Contaminants Concern

2002	Metals in fish tissue	Not Assessed	Lower 4 miles of segment	4	1		
2002	Organics in fish tissue	Not Assessed	Lower 4 miles of segment	4	1		
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15			

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Fish Tissue Contaminants Concern (continued)

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower 4 miles of segment	4			
2004	Overall Fish Tissue Contaminant Concerns	Not Assessed	Upper 19 miles of segment	19			

Narrative Criteria Concern

2002	Overall Narrative Criteria Concerns	No Concern	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25			
2002	Overall Narrative Criteria Concerns	No Concern	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15			
2002	Overall Narrative Criteria Concerns	No Concern	Lower 4 miles of segment	4			
2004	Overall Narrative Criteria Concerns	No Concern	Upper 19 miles of segment	19			

Overall Secondary Concern

2002		Concern	Approx 14 miles upstream to approx. 11 miles downstream of FM 1015	25			
2002		Concern	Approx. 11 miles upstream to approx. 4 miles downstream of US 77	15			
2002		Concern	Lower 4 miles of segment	4			
2004		Concern	Upper 19 miles of segment	19			