

Segment ID: 2201

Water body name: Arroyo Colorado Tidal

Tidal Stream

Nueces-Rio Grande Coastal Basin

Total size:

26 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. 1 mile upstream to 3 miles downstream of Camp Perry	4	17	1	
2002	Dissolved Oxygen grab average	No Concern	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	26	0	
2002	Dissolved Oxygen grab average	No Concern	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	12	0	
2002	Dissolved Oxygen grab average	No Concern	Lower 9.0 miles of segment	9	26	0	
2002	Dissolved Oxygen grab average	Use Concern	Upper 4 miles of segment	4	16	2	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	17	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	26	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	12	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Lower 9.0 miles of segment	9	26	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Upper 4 miles of segment	4	16	0	
2004	Dissolved Oxygen 24hr average	No Concern-Limited Data	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	5	0	
2004	Dissolved Oxygen 24hr average	Not Assessed	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	0		
2004	Dissolved Oxygen 24hr average	Not Assessed	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	0		
2004	Dissolved Oxygen 24hr average	No Concern-Limited Data	Lower 9.0 miles of segment	9	5	0	
2004	Dissolved Oxygen 24hr average	Not Assess-Not Represent	Upper 4 miles of segment	4	5		
2004	Dissolved Oxygen 24hr minimum	Use Concern-Limited Data	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	5	1	

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**Aquatic Life Use** (continued)

2004	Dissolved Oxygen 24hr minimum	Not Assessed	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	0		
2004	Dissolved Oxygen 24hr minimum	Not Assessed	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	0		
2004	Dissolved Oxygen 24hr minimum	No Concern-Limited Data	Lower 9.0 miles of segment	9	5	0	
2004	Dissolved Oxygen 24hr minimum	Not Assess-Not Represent	Upper 4 miles of segment	4	5		
2002	Acute Metals in water	Not Assessed	Lower 9.0 miles of segment	9	1		
2002	Chronic Metals in water	Not Assessed	Lower 9.0 miles of segment	9	1		
2002	Acute Organics in water	Not Assessed	Lower 9.0 miles of segment	9	1		
2002	Chronic Toxicity tests in water	No Concern-Limited Data	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	4		
2002	Chronic Toxicity tests in water	No Concern-Limited Data	Lower 9.0 miles of segment	9	5	0	
2004	Chronic Toxicity tests in sediment	Not Assessed	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	0		
2004	Chronic Toxicity tests in sediment	Fully Supporting	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	12	0	
2004	Chronic Toxicity tests in sediment	Not Assessed	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	0		
2004	Chronic Toxicity tests in sediment	Fully Supporting	Lower 9.0 miles of segment	9	10	0	
2004	Chronic Toxicity tests in sediment	Fully Supporting	Upper 4 miles of segment	4	11	0	
2004	Overall Aquatic Life Use	Fully Supporting	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4			

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**Aquatic Life Use** (continued)

2004	Overall Aquatic Life Use	Fully Supporting	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4			
2004	Overall Aquatic Life Use	Fully Supporting	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5			
2004	Overall Aquatic Life Use	Fully Supporting	Lower 9.0 miles of segment	9			
2004	Overall Aquatic Life Use	Fully Supporting	Upper 4 miles of segment	4			

**Contact Recreation Use**

2002	Enterococci single sample	Not Assessed	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	0		
2002	Enterococci single sample	Not Assessed	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	0		
2002	Enterococci single sample	Not Assessed	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	0		
2002	Enterococci single sample	Not Assessed	Lower 9.0 miles of segment	9	0		
2002	Enterococci single sample	Not Assessed	Upper 4 miles of segment	4	0		
2002	Enterococci geometric mean	Not Assessed	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	0		
2002	Enterococci geometric mean	Not Assessed	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	0		
2002	Enterococci geometric mean	Not Assessed	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	0		
2002	Enterococci geometric mean	Not Assessed	Lower 9.0 miles of segment	9	0		
2002	Enterococci geometric mean	Not Assessed	Upper 4 miles of segment	4	0		
2002	Fecal coliform single sample	Fully Supporting	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	18	1	
2002	Fecal coliform single sample	Fully Supporting	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	26	0	

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**Contact Recreation Use** (continued)

2002	Fecal coliform single sample	Fully Supporting	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	13	1	
2002	Fecal coliform single sample	Fully Supporting	Lower 9.0 miles of segment	9	26	2	
2002	Fecal coliform single sample	Fully Supporting	Upper 4 miles of segment	4	17	0	
2002	Fecal coliform geometric mean	Fully Supporting	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	18		21
2002	Fecal coliform geometric mean	Fully Supporting	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	26		11
2002	Fecal coliform geometric mean	Fully Supporting	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	13		10
2002	Fecal coliform geometric mean	Fully Supporting	Lower 9.0 miles of segment	9	26		14
2002	Fecal coliform geometric mean	Fully Supporting	Upper 4 miles of segment	4	17		21
2002	Overall Recreation Use	Fully Supporting	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4			
2002	Overall Recreation Use	Fully Supporting	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4			
2002	Overall Recreation Use	Fully Supporting	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5			
2002	Overall Recreation Use	Fully Supporting	Lower 9.0 miles of segment	9			
2002	Overall Recreation Use	Fully Supporting	Upper 4 miles of segment	4			

**General Use**

2002	Water Temperature	Fully Supporting	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	19	0	
2002	Water Temperature	Fully Supporting	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	27	0	
2002	Water Temperature	Fully Supporting	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	13	0	
2002	Water Temperature	Fully Supporting	Lower 9.0 miles of segment	9	27	0	

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**General Use** (continued)

2002	Water Temperature	Fully Supporting	Upper 4 miles of segment	4	17	0	
2002	pH	Fully Supporting	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	18	0	
2002	pH	Fully Supporting	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	26	0	
2002	pH	Fully Supporting	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	13	0	
2002	pH	Fully Supporting	Lower 9.0 miles of segment	9	26	0	
2002	pH	Fully Supporting	Upper 4 miles of segment	4	16	0	
2002	Overall General Use	Fully Supporting	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4			
2002	Overall General Use	Fully Supporting	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4			
2002	Overall General Use	Fully Supporting	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5			
2002	Overall General Use	Fully Supporting	Lower 9.0 miles of segment	9			
2002	Overall General Use	Fully Supporting	Upper 4 miles of segment	4			

**Fish Consumption Use**

2002	Human Health Criteria Metals	Not Assessed	Lower 9.0 miles of segment	9	1		
2002	Human Health Criteria Organics	Not Assessed	Lower 9.0 miles of segment	9	1		
2002	Overall Fish Consumption Use	Not Assessed	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4			
2002	Overall Fish Consumption Use	Not Assessed	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4			
2002	Overall Fish Consumption Use	Not Assessed	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5			
2002	Overall Fish Consumption Use	Not Assessed	Lower 9.0 miles of segment	9			

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**Fish Consumption Use** (continued)

2002	Overall Fish Consumption Use	Not Assessed	Upper 4 miles of segment	4			
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**Overall Use Support**

2004		Fully Supporting	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4			
2004		Fully Supporting	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4			
2004		Fully Supporting	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5			
2004		Fully Supporting	Lower 9.0 miles of segment	9			
2004		Fully Supporting	Upper 4 miles of segment	4			

**Nutrient Enrichment Concern**

2002	Ammonia Nitrogen	No Concern	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	20	5	
2002	Ammonia Nitrogen	No Concern	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	23	0	
2002	Ammonia Nitrogen	No Concern	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	14	1	
2002	Ammonia Nitrogen	No Concern	Lower 9.0 miles of segment	9	23	1	
2002	Ammonia Nitrogen	Concern	Upper 4 miles of segment	4	18	8	
2002	Nitrite + Nitrate Nitrogen	Concern	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	18	12	
2002	Nitrite + Nitrate Nitrogen	No Concern	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	21	3	
2002	Nitrite + Nitrate Nitrogen	Concern	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	12	6	
2002	Nitrite + Nitrate Nitrogen	No Concern	Lower 9.0 miles of segment	9	21	3	
2002	Nitrite + Nitrate Nitrogen	Concern	Upper 4 miles of segment	4	16	13	

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## Nutrient Enrichment Concern (continued)

2002	Orthophosphorus	No Concern	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	19	3	
2002	Orthophosphorus	No Concern	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	22	2	
2002	Orthophosphorus	No Concern	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	13	3	
2002	Orthophosphorus	No Concern	Lower 9.0 miles of segment	9	22	0	
2002	Orthophosphorus	No Concern	Upper 4 miles of segment	4	17	4	
2002	Total Phosphorus	No Concern	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	16	2	
2002	Total Phosphorus	No Concern	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	23	1	
2002	Total Phosphorus	No Concern	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	14	1	
2002	Total Phosphorus	No Concern	Lower 9.0 miles of segment	9	23	0	
2002	Total Phosphorus	No Concern	Upper 4 miles of segment	4	15	4	
2002	Overall Nutrient Enrichment Concerns	Concern	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4			
2002	Overall Nutrient Enrichment Concerns	No Concern	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4			
2002	Overall Nutrient Enrichment Concerns	Concern	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5			
2002	Overall Nutrient Enrichment Concerns	No Concern	Lower 9.0 miles of segment	9			
2002	Overall Nutrient Enrichment Concerns	Concern	Upper 4 miles of segment	4			

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**Algal Growth Concern**

2002	Chlorophyll a	No Concern	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4	20	5	
2002	Chlorophyll a	No Concern	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4	23	5	
2002	Chlorophyll a	No Concern	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5	14	1	
2002	Chlorophyll a	No Concern	Lower 9.0 miles of segment	9	23	6	
2002	Chlorophyll a	No Concern	Upper 4 miles of segment	4	18	3	

**Sediment Contaminants Concern**

2002	Metals in sediment	Not Assessed	Lower 9.0 miles of segment	9	1		
2002	Organics in sediment	Not Assessed	Lower 9.0 miles of segment	9	2		
2002	Overall Sediment Contaminant Concerns	Not Assessed	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Lower 9.0 miles of segment	9			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Upper 4 miles of segment	4			

**Fish Tissue Contaminants Concern**

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4			



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### Fish Tissue Contaminants Concern (continued)

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower 9.0 miles of segment	9			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Upper 4 miles of segment	4			

### Narrative Criteria Concern

2002	Overall Narrative Criteria Concerns	No Concern	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4			
2002	Overall Narrative Criteria Concerns	No Concern	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4			
2002	Overall Narrative Criteria Concerns	No Concern	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5			
2002	Overall Narrative Criteria Concerns	No Concern	Lower 9.0 miles of segment	9			
2002	Overall Narrative Criteria Concerns	No Concern	Upper 4 miles of segment	4			

### Overall Secondary Concern

2002		Concern	Approx. 1 mile upstream to 3 miles downstream of Camp Perry	4			
2002		No Concern	Approx. 2 miles upstream to approx. 2 miles downstream of Marker 22	4			
2002		Concern	Approx. 3 miles upstream to 2 miles downstream of Marker 27	5			
2002		No Concern	Lower 9.0 miles of segment	9			
2002		Concern	Upper 4 miles of segment	4			