**2004 Water Quality Inventory** 

(-data from 03/01/1998 to 02/28/2003)

Segment ID: 2201

Water body name: Arroyo Colorado Tidal

Tidal Stream Nueces-Rio Grande Coastal Basin Total size: 26 Miles Status of Use # of # of Assessment Location Year Assessment Method **Support or Concern** Location samples exceedances Mean size **Aquatic Life Use** 2002 Dissolved Oxygen grab average No Concern Approx. 1 mile upstream to 3 miles downstream of 4 17 Camp Perry 2002 Dissolved Oxygen grab average 0 No Concern Approx. 2 miles upstream to approx. 2 miles 4 26 downstream of Marker 22 2002 Dissolved Oxygen grab average No Concern Approx. 3 miles upstream to 2 miles downstream of 5 12 0 Marker 27 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 2 4 16 2002 Dissolved Oxygen grab minimum Approx. 1 mile upstream to 3 miles downstream of 0 Fully Supporting 4 17 Camp Perry 2002 Dissolved Oxygen grab minimum Fully Supporting Approx. 2 miles upstream to approx. 2 miles 4 26 0 downstream of Marker 22 2002 Dissolved Oxygen grab minimum Fully Supporting Approx. 3 miles upstream to 2 miles downstream of 5 12 0 Marker 27 2002 Dissolved Oxygen grab minimum Lower 9.0 miles of segment 0 Fully Supporting 9 26 2002 0 Dissolved Oxygen grab minimum Fully Supporting Upper 4 miles of segment 4 16 2004 0 Dissolved Oxygen 24hr average No Concern-Limited Approx. 1 mile upstream to 3 miles downstream of 4 5 Data Camp Perry 2004 Dissolved Oxygen 24hr average Not Assessed Approx. 2 miles upstream to approx. 2 miles 4 0 downstream of Marker 22. 2004 Dissolved Oxygen 24hr average Not Assessed Approx. 3 miles upstream to 2 miles downstream of 5 0 Marker 27 Dissolved Oxygen 24hr average 2004 0 9 No Concern-Limited Lower 9.0 miles of segment 5 Data 2004 Dissolved Oxygen 24hr average Not Assess-Not Upper 4 miles of segment 5 4 Represent 2004 Dissolved Oxygen 24hr minimum Use Concern-Limited 5 Approx. 1 mile upstream to 3 miles downstream of 4 Data Camp Perry

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Nueces-Rio Grande Coastal Basin **Tidal Stream** Total size: 26 Miles # of Status of Use # of Assessment Location Year Assessment Method **Support or Concern** Location samples exceedances Mean size Aquatic Life Use (continued) 2004 Dissolved Oxygen 24hr minimum Not Assessed Approx. 2 miles upstream to approx. 2 miles 4 0 downstream of Marker 22 2004 Dissolved Oxygen 24hr minimum Not Assessed Approx. 3 miles upstream to 2 miles downstream of 5 0 Marker 27 2004 Dissolved Oxygen 24hr minimum 0 No Concern-Limited Lower 9.0 miles of segment 9 5 Data 2004 Dissolved Oxygen 24hr minimum Not Assess-Not Upper 4 miles of segment 4 5 Represent 2002 Acute Metals in water Lower 9.0 miles of segment 9 Not Assessed 1 2002 Chronic Metals in water Not Assessed Lower 9.0 miles of segment 9 1 2002 Acute Organics in water Lower 9.0 miles of segment 9 Not Assessed 1 2002 Chronic Toxicity tests in water No Concern-Limited Approx. 2 miles upstream to approx. 2 miles 4 4 Data downstream of Marker 22. 2002 Chronic Toxicity tests in water 0 No Concern-Limited 9 5 Lower 9.0 miles of segment Data 2004 Chronic Toxicity tests in sediment Approx. 1 mile upstream to 3 miles downstream of Not Assessed 0 Camp Perry 2004 Chronic Toxicity tests in sediment Approx. 2 miles upstream to approx. 2 miles 0 Fully Supporting 4 12 downstream of Marker 22 2004 Chronic Toxicity tests in sediment Not Assessed Approx. 3 miles upstream to 2 miles downstream of 5 0 Marker 27 Chronic Toxicity tests in sediment | Fully Supporting 2004 0 Lower 9.0 miles of segment 9 10 2004 Chronic Toxicity tests in sediment **Fully Supporting** 0 Upper 4 miles of segment 4 11 Overall Aquatic Life Use 2004 Fully Supporting Approx. 1 mile upstream to 3 miles downstream of 4 Camp Perry

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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
Aquatic Life V	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 Recre	eation Use		,		1		
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	

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
Contact Recre	eation 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	

Tidal S	tream	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
eneral Use	(continued)						
2002	Water Temperature	Fully Supporting	Upper 4 miles of segment	4	17	0	
2002	pН	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	рН	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			
sh Consump	otion 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			

Tidal Stream		Nueces-Rio	io 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	
Fish Consump	otion Use (continued)							
2002	Overall Fish Consumption Use	Not Assessed	Upper 4 miles of segment	4				
Overall Use St	upport			1				
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 Enric	chment 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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Segment ID: 2201

Water body name: Arroyo Colorado Tidal

Nueces-Rio Grande Coastal Basin **Tidal Stream** Total size: 26 Miles Status of Use # of # of Assessment Location Year Assessment Method **Support or Concern** Location samples exceedances Mean size **Nutrient Enrichment Concern** (continued) 2002 Orthophosphorus 3 No Concern 19 Approx. 1 mile upstream to 3 miles downstream of 4 Camp Perry 2002 Orthophosphorus 2 Approx. 2 miles upstream to approx. 2 miles No Concern 4 22. downstream of Marker 22. 2002 Orthophosphorus No Concern Approx. 3 miles upstream to 2 miles downstream of 5 13 3 Marker 27 2002 Orthophosphorus No Concern Lower 9.0 miles of segment 9 22 0 2002 Orthophosphorus No Concern Upper 4 miles of segment 17 4 2002 2 Total Phosphorus No Concern Approx. 1 mile upstream to 3 miles downstream of 4 16 Camp Perry 2002 Approx. 2 miles upstream to approx. 2 miles Total Phosphorus No Concern 4 23 downstream of Marker 22 2002 Total Phosphorus No Concern Approx. 3 miles upstream to 2 miles downstream of 5 14 Marker 27 2002 Total Phosphorus 0 No Concern Lower 9.0 miles of segment 9 23 2002 4 Total Phosphorus 15 No Concern Upper 4 miles of segment 4 2002 Overall Nutrient Enrichment Approx. 1 mile upstream to 3 miles downstream of Concern 4 Concerns Camp Perry 2002 Overall Nutrient Enrichment Approx. 2 miles upstream to approx. 2 miles No Concern 4 Concerns downstream of Marker 22 2002 Overall Nutrient Enrichment Concern Approx. 3 miles upstream to 2 miles downstream of 5 Concerns Marker 27 2002 Overall Nutrient Enrichment No Concern Lower 9.0 miles of segment 9 Concerns 2002 Overall Nutrient Enrichment Concern Upper 4 miles of segment 4 Concerns

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Tidal S	tream	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	Me
al 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	
ment Con	taminants 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			
Tissue Co	ontaminants 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			

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
Fish Tissue Co	ontaminants Concern (continu	ied)					
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 Crit	eria 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 Second	dary 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			