

Segment ID: 2204 **Water body name:** Petronila Creek Above Tidal

Freshwater Stream

Nueces-Rio Grande Coastal Basin

Total size:

44

Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
-----------------	-------------------	----------------------------------	----------	---------------	--------------	------------------	------

Aquatic Life Use

2002	Dissolved Oxygen grab average	No Concern	Lower 25 miles of segment	25	16	1	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Lower 25 miles of segment	25	16	1	
2002	Dissolved Oxygen 24hr average	Not Assessed	Lower 25 miles of segment	25	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Lower 25 miles of segment	25	0		
2002	Acute Metals in water	No Concern-Limited Data	Lower 25 miles of segment	25	6	0	
2002	Chronic Metals in water	No Concern-Limited Data	Lower 25 miles of segment	25	6		
2002	Overall Aquatic Life Use	Fully Supporting	Lower 25 miles of segment	25			
2002	Overall Aquatic Life Use	Not Assessed	Upper 19 miles of segment	19			

Contact Recreation Use

2002	E. coli single sample	Not Assessed	Lower 25 miles of segment	25	0		
2002	E. coli geometric mean	Not Assessed	Lower 25 miles of segment	25	0		
2002	Fecal coliform single sample	Fully Supporting	Lower 25 miles of segment	25	15	0	
2002	Fecal coliform geometric mean	Fully Supporting	Lower 25 miles of segment	25	15		36
2002	Overall Recreation Use	Fully Supporting	Lower 25 miles of segment	25			
2002	Overall Recreation Use	Not Assessed	Upper 19 miles of segment	19			

General Use

2002	Water Temperature	Fully Supporting	Lower 25 miles of segment	25	16	0	
2002	pH	Fully Supporting	Lower 25 miles of segment	25	16	0	

Segment ID: 2204 **Water body name:** Petronila Creek Above Tidal

Freshwater Stream Nueces-Rio Grande Coastal Basin Total size: 44 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
-----------------	-------------------	----------------------------------	----------	---------------	--------------	------------------	------

General Use (continued)

2002	Chloride	Not Supporting	Lower 25 miles of segment	25	20		5,117
2002	Chloride	Not Supporting	Upper 19 miles of segment	19	20		5,117
2002	Sulfate	Not Supporting	Lower 25 miles of segment	25	20		852
2002	Sulfate	Not Supporting	Upper 19 miles of segment	19	20		852
2002	Total Dissolved Solids	Not Supporting	Lower 25 miles of segment	25	26		11,545
2002	Total Dissolved Solids	Not Supporting	Upper 19 miles of segment	19	26		11,545
2002	Overall General Use	Not Supporting	Lower 25 miles of segment	25			
2002	Overall General Use	Not Supporting	Upper 19 miles of segment	19			

Fish Consumption Use

2002	Human Health Criteria Chromium	No Concern-Limited Data	Lower 25 miles of segment	25	6		4.3
2002	Human Health Criteria Lead	No Concern-Limited Data	Lower 25 miles of segment	25	6		5.6
2002	Overall Fish Consumption Use	Not Assessed	Lower 25 miles of segment	25			
2002	Overall Fish Consumption Use	Not Assessed	Upper 19 miles of segment	19			

Overall Use Support

2002		Not Supporting	Lower 25 miles of segment	25			
2002		Not Supporting	Upper 19 miles of segment	19			

Nutrient Enrichment Concern

2002	Ammonia Nitrogen	No Concern	Lower 25 miles of segment	25	20	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	Lower 25 miles of segment	25	20	0	

Segment ID: 2204 **Water body name:** Petronila Creek Above Tidal

Freshwater Stream Nueces-Rio Grande Coastal Basin Total size: 44 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
-----------------	-------------------	----------------------------------	----------	---------------	--------------	------------------	------

Nutrient Enrichment Concern (continued)

2002	Orthophosphorus	No Concern	Lower 25 miles of segment	25	18	0	
2002	Total Phosphorus	No Concern	Lower 25 miles of segment	25	20	0	
2002	Overall Nutrient Enrichment Concerns	No Concern	Lower 25 miles of segment	25			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Upper 19 miles of segment	19			

Algal Growth Concern

2002	Chlorophyll a	Concern	Lower 25 miles of segment	25	20	12	
2002	Chlorophyll a	Not Assessed	Upper 19 miles of segment	19			

Sediment Contaminants Concern

2002	Metals in sediment	Not Assessed	Lower 25 miles of segment	25	3		
2002	Overall Sediment Contaminant Concerns	Not Assessed	Lower 25 miles of segment	25			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Upper 19 miles of segment	19			

Fish Tissue Contaminants Concern

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower 25 miles of segment	25			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Upper 19 miles of segment	19			

Narrative Criteria Concern

2002	Overall Narrative Criteria Concerns	No Concern	Lower 25 miles of segment	25			
------	-------------------------------------	------------	---------------------------	----	--	--	--

Segment ID: 2204 **Water body name:** Petronila Creek Above Tidal

Freshwater Stream Nueces-Rio Grande Coastal Basin Total size: 44 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
-----------------	-------------------	----------------------------------	----------	---------------	--------------	------------------	------

Narrative Criteria Concern (continued)

2002	Overall Narrative Criteria Concerns	No Concern	Upper 19 miles of segment	19			
------	-------------------------------------	------------	---------------------------	----	--	--	--

Overall Secondary Concern

2002		Concern	Lower 25 miles of segment	25			
2002		No Concern	Upper 19 miles of segment	19			