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

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

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life Use						
Dissolved Oxygen grab average	No Concern	Lower 25 miles of segment	25	16	1	
Dissolved Oxygen grab minimum	Fully Supporting	Lower 25 miles of segment	25	16	1	
Dissolved Oxygen 24hr average	Not Assessed	Lower 25 miles of segment	25	0		
Dissolved Oxygen 24hr minimum	Not Assessed	Lower 25 miles of segment	25	0		
Acute Metals in water	No Concern-Limited Data	Lower 25 miles of segment	25	6	0	
Chronic Metals in water	No Concern-Limited Data	Lower 25 miles of segment	25	6		
Overall Aquatic Life Use	Fully Supporting	Lower 25 miles of segment	25			
Overall Aquatic Life Use	Not Assessed	Upper 19 miles of segment	19			
Contact Recreation Use						
E. coli single sample	Not Assessed	Lower 25 miles of segment	25	0		
E. coli geometric mean	Not Assessed	Lower 25 miles of segment	25	0		
Fecal coliform single sample	Fully Supporting	Lower 25 miles of segment	25	15	0	
Fecal coliform geometric mean	Fully Supporting	Lower 25 miles of segment	25	15		36
Overall Recreation Use	Fully Supporting	Lower 25 miles of segment	25			
Overall Recreation Use	Not Assessed	Upper 19 miles of segment	19			
General Use						
Water Temperature	Fully Supporting	Lower 25 miles of segment	25	16	0	
pH	Fully Supporting	Lower 25 miles of segment	25	16	0	
Chloride	Not Supporting	Lower 25 miles of segment	25	20		5,117

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Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
General Use (continued)						
Chloride	Not Supporting	Upper 19 miles of segment	19	20		5,117
Sulfate	Not Supporting	Lower 25 miles of segment	25	20		852
Sulfate	Not Supporting	Upper 19 miles of segment	19	20		852
Total Dissolved Solids	Not Supporting	Lower 25 miles of segment	25	26		11,545
Total Dissolved Solids	Not Supporting	Upper 19 miles of segment	19	26		11,545
Overall General Use	Not Supporting	Lower 25 miles of segment	25			
Overall General Use	Not Supporting	Upper 19 miles of segment	19			
Fish Consumption Use						
Human Health Criteria Chromium	No Concern-Limited Data	Lower 25 miles of segment	25	6		4.3
Human Health Criteria Lead	No Concern-Limited Data	Lower 25 miles of segment	25	6		5.6
Overall Fish Consumption Use	Not Assessed	Lower 25 miles of segment	25			
Overall Fish Consumption Use	Not Assessed	Upper 19 miles of segment	19			
Overall Use Support						
	Not Supporting	Lower 25 miles of segment	25			
	Not Supporting	Upper 19 miles of segment	19			
Nutrient Enrichment Concern						
Ammonia Nitrogen	No Concern	Lower 25 miles of segment	25	20	0	
Nitrite + Nitrate Nitrogen	No Concern	Lower 25 miles of segment	25	20	0	
Orthophosphorus	No Concern	Lower 25 miles of segment	25	18	0	
Total Phosphorus	No Concern	Lower 25 miles of segment	25	20	0	

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Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Nutrient Enrichment Concern (continued)						
Overall Nutrient Enrichment Concerns	No Concern	Lower 25 miles of segment	25			
Overall Nutrient Enrichment Concerns	Not Assessed	Upper 19 miles of segment	19			
Algal Growth Concern						
Chlorophyll a	Concern	Lower 25 miles of segment	25	20	12	
Chlorophyll a	Not Assessed	Upper 19 miles of segment	19			
Sediment Contaminants Concern						
Metals in sediment	Not Assessed	Lower 25 miles of segment	25	3		
Overall Sediment Contaminant Concerns	Not Assessed	Lower 25 miles of segment	25			
Overall Sediment Contaminant Concerns	Not Assessed	Upper 19 miles of segment	19			
Fish Tissue Contaminants Concern						
Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower 25 miles of segment	25			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Upper 19 miles of segment	19			
Narrative Criteria Concern						
Overall Narrative Criteria Concerns	No Concern	Lower 25 miles of segment	25			
Overall Narrative Criteria Concerns	No Concern	Upper 19 miles of segment	19			
Overall Secondary Concern						
	Concern	Lower 25 miles of segment	25			
	No Concern	Upper 19 miles of segment	19			