Segment ID: 1901 **Water body name:** Lower San Antonio River

Freshwater Stream | San Antonio River Basin | Total size: 153 Miles

Aquatic Life Use

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Dissolved Oxygen grab average	No Concern	25 miles downstream of the confluence with Manahuilla Creek	25	16	0	
Dissolved Oxygen grab average	No Concern	25 miles upstream of Manahuilla Creek	25	111	0	
Dissolved Oxygen grab average	No Concern	9 miles downstream of Escondido Creek	9	12	0	
Dissolved Oxygen grab average	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	4	0	
Dissolved Oxygen grab average	Not Assessed	From upstream end of segment to Escondido Creek	38	3	0	
Dissolved Oxygen grab minimum	Fully Supporting	25 miles downstream of the confluence with Manahuilla Creek	25	16	0	
Dissolved Oxygen grab minimum	Fully Supporting	25 miles upstream of Manahuilla Creek	25	111	0	
Dissolved Oxygen grab minimum	Fully Supporting	9 miles downstream of Escondido Creek	9	12	0	
Dissolved Oxygen grab minimum	No Concern-Limited Data	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	4	0	
Dissolved Oxygen grab minimum	Not Assessed	From upstream end of segment to Escondido Creek	38	3	0	
Dissolved Oxygen 24hr average	Not Assessed	25 miles downstream of the confluence with Manahuilla Creek	25	0		
Dissolved Oxygen 24hr average	Not Assessed	25 miles upstream of Manahuilla Creek	25	0		
Dissolved Oxygen 24hr average	Not Assessed	9 miles downstream of Escondido Creek	9	0		
Dissolved Oxygen 24hr average	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	0		
Dissolved Oxygen 24hr average	Not Assessed	From upstream end of segment to Escondido Creek	38	0		
Dissolved Oxygen 24hr minimum	Not Assessed	25 miles downstream of the confluence with Manahuilla Creek	25	0		
Dissolved Oxygen 24hr minimum	Not Assessed	25 miles upstream of Manahuilla Creek	25	0		
Dissolved Oxygen 24hr minimum	Not Assessed	9 miles downstream of Escondido Creek	9	0		
Dissolved Oxygen 24hr minimum	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	0		

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Freshwater Stream | San Antonio River Basin | Total size: 153 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life Use (continued)						
Dissolved Oxygen 24hr minimum	Not Assessed	From upstream end of segment to Escondido Creek	38	0		
Acute Metals in water	No Concern-Limited Data	25 miles upstream of Manahuilla Creek	25	5	0	
Acute Metals in water	Not Assessed	9 miles downstream of Escondido Creek	9	2	0	
Chronic Metals in water	No Concern-Limited Data	25 miles upstream of Manahuilla Creek	25	5		
Chronic Metals in water	Not Assessed	9 miles downstream of Escondido Creek	9	2		
Overall Aquatic Life Use	Fully Supporting	25 miles downstream of the confluence with Manahuilla Creek	25			
Overall Aquatic Life Use	Fully Supporting	25 miles upstream of Manahuilla Creek	25			
Overall Aquatic Life Use	Fully Supporting	9 miles downstream of Escondido Creek	9			
Overall Aquatic Life Use	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25			
Overall Aquatic Life Use	Not Assessed	From upstream end of segment to Escondido Creek	38			
Overall Aquatic Life Use	Not Assessed	Lower 31 miles of segment	31			
Contact Recreation Use						
E. coli single sample	Fully Supporting	25 miles downstream of the confluence with Manahuilla Creek	25	12	3	
E. coli single sample	Fully Supporting	25 miles upstream of Manahuilla Creek	25	15	3	
E. coli single sample	Fully Supporting	9 miles downstream of Escondido Creek	9	10	2	
E. coli single sample	No Concern-Limited Data	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	4	0	
E. coli single sample	Not Assessed	From upstream end of segment to Escondido Creek	38	3		
E. coli geometric mean	Not Supporting	25 miles downstream of the confluence with Manahuilla Creek	25	12		180.7
E. coli geometric mean	Not Supporting	25 miles upstream of Manahuilla Creek	25	15		209
E. coli geometric mean	Not Supporting	9 miles downstream of Escondido Creek	9	10		157

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Freshwater Stream | San Antonio River Basin | Total size: 153 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Contact Recreation Use (continued)						
E. coli geometric mean	No Concern-Limited Data	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	4		85
E. coli geometric mean	Not Assessed	From upstream end of segment to Escondido Creek	38	3		
Fecal coliform single sample	Not Supporting	25 miles downstream of the confluence with Manahuilla Creek	25	16	7	
Fecal coliform single sample	Not Supporting	25 miles upstream of Manahuilla Creek	25	23	8	
Fecal coliform single sample	Fully Supporting	9 miles downstream of Escondido Creek	9	10	2	
Fecal coliform single sample	No Concern-Limited Data	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	4	0	
Fecal coliform single sample	Not Assessed	From upstream end of segment to Escondido Creek	38	3		
Fecal coliform geometric mean	Not Supporting	25 miles downstream of the confluence with Manahuilla Creek	25	16		311.4
Fecal coliform geometric mean	Not Supporting	25 miles upstream of Manahuilla Creek	25	23		354.8
Fecal coliform geometric mean	Not Supporting	9 miles downstream of Escondido Creek	9	10		227
Fecal coliform geometric mean	No Concern-Limited Data	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	4		101
Fecal coliform geometric mean	Not Assessed	From upstream end of segment to Escondido Creek	38	3		
Overall Recreation Use	Not Supporting	25 miles downstream of the confluence with Manahuilla Creek	25			
Overall Recreation Use	Not Supporting	25 miles upstream of Manahuilla Creek	25			
Overall Recreation Use	Not Supporting	9 miles downstream of Escondido Creek	9			
Overall Recreation Use	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25			
Overall Recreation Use	Not Assessed	From upstream end of segment to Escondido Creek	38			
Overall Recreation Use	Not Assessed	Lower 31 miles of segment	31			

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Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
General Use						
Water Temperature	Fully Supporting	25 miles downstream of the confluence with Manahuilla Creek	25	16	0	
Water Temperature	Fully Supporting	25 miles upstream of Manahuilla Creek	25	112	0	
Water Temperature	Fully Supporting	9 miles downstream of Escondido Creek	9	12	0	
Water Temperature	No Concern-Limited Data	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	4	0	
Water Temperature	Not Assessed	From upstream end of segment to Escondido Creek	38	3		
pH	Fully Supporting	25 miles downstream of the confluence with Manahuilla Creek	25	16	0	
pH	Fully Supporting	25 miles upstream of Manahuilla Creek	25	110	0	
pH	Fully Supporting	9 miles downstream of Escondido Creek	9	12	0	
pH	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	3	0	
pH	Not Assessed	From upstream end of segment to Escondido Creek	38	2		
Chloride	Fully Supporting	25 miles downstream of the confluence with Manahuilla Creek	25	74		123.6
Chloride	Fully Supporting	25 miles upstream of Manahuilla Creek	25	74		123.6
Chloride	Fully Supporting	9 miles downstream of Escondido Creek	9	74		123.6
Chloride	Fully Supporting	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	74		123.6
Chloride	Fully Supporting	From upstream end of segment to Escondido Creek	38	74		123.6
Chloride	Fully Supporting	Lower 31 miles of segment	31	74		123.6
Sulfate	Fully Supporting	25 miles downstream of the confluence with Manahuilla Creek	25	74		100
Sulfate	Fully Supporting	25 miles upstream of Manahuilla Creek	25	74		100
Sulfate	Fully Supporting	9 miles downstream of Escondido Creek	9	74		100

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Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
General Use (continued)						
Sulfate	Fully Supporting	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	74		100
Sulfate	Fully Supporting	From upstream end of segment to Escondido Creek	38	74		100
Sulfate	Fully Supporting	Lower 31 miles of segment	31	74		100
Total Dissolved Solids	Fully Supporting	25 miles downstream of the confluence with Manahuilla Creek	25	178		650.6
Total Dissolved Solids	Fully Supporting	25 miles upstream of Manahuilla Creek	25	178		650.6
Total Dissolved Solids	Fully Supporting	9 miles downstream of Escondido Creek	9	178		650.6
Total Dissolved Solids	Fully Supporting	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	178		650.6
Total Dissolved Solids	Fully Supporting	From upstream end of segment to Escondido Creek	38	178		650.6
Total Dissolved Solids	Fully Supporting	Lower 31 miles of segment	31	178		650.6
Overall General Use	Fully Supporting	25 miles downstream of the confluence with Manahuilla Creek	25			
Overall General Use	Fully Supporting	25 miles upstream of Manahuilla Creek	25			
Overall General Use	Fully Supporting	9 miles downstream of Escondido Creek	9			
Overall General Use	Fully Supporting	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25			
Overall General Use	Fully Supporting	From upstream end of segment to Escondido Creek	38			
Overall General Use	Fully Supporting	Lower 31 miles of segment	31			
Fish Consumption Use						
Human Health Criteria	Not Assessed	9 miles downstream of Escondido Creek	9	2		
Human Health Criteria Metals	No Concern-Limited Data	25 miles upstream of Manahuilla Creek	25	5		
Overall Fish Consumption Use	Not Assessed	25 miles downstream of the confluence with Manahuilla Creek	25			
Overall Fish Consumption Use	Not Assessed	25 miles upstream of Manahuilla Creek	25			

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Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Fish Consumption Use (continued)						
Overall Fish Consumption Use	Not Assessed	9 miles downstream of Escondido Creek	9			
Overall Fish Consumption Use	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25			
Overall Fish Consumption Use	Not Assessed	From upstream end of segment to Escondido Creek	38			
Overall Fish Consumption Use	Not Assessed	Lower 31 miles of segment	31			
Overall Use Support						
	Not Supporting	25 miles downstream of the confluence with Manahuilla Creek	25			
	Not Supporting	25 miles upstream of Manahuilla Creek	25			
	Not Supporting	9 miles downstream of Escondido Creek	9			
	Fully Supporting	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25			
	Fully Supporting	From upstream end of segment to Escondido Creek	38			
	Fully Supporting	Lower 31 miles of segment	31			
Nutrient Enrichment Concern						
Ammonia Nitrogen	Not Assessed	25 miles downstream of the confluence with Manahuilla Creek	25	5	0	
Ammonia Nitrogen	No Concern	25 miles upstream of Manahuilla Creek	25	24	2	
Ammonia Nitrogen	No Concern	9 miles downstream of Escondido Creek	9	12	1	
Ammonia Nitrogen	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	4	0	
Ammonia Nitrogen	Not Assessed	From upstream end of segment to Escondido Creek	38	4	0	
Nitrite + Nitrate Nitrogen	Concern	25 miles downstream of the confluence with Manahuilla Creek	25	16	14	
Nitrite + Nitrate Nitrogen	Concern	25 miles upstream of Manahuilla Creek	25	26	19	
Nitrite + Nitrate Nitrogen	Concern	9 miles downstream of Escondido Creek	9	11	9	

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Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Nutrient Enrichment Concern (continued)						
Nitrite + Nitrate Nitrogen	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	4	4	
Nitrite + Nitrate Nitrogen	Not Assessed	From upstream end of segment to Escondido Creek	38	4	4	
Orthophosphorus	Not Assessed	25 miles downstream of the confluence with Manahuilla Creek	25	0		
Orthophosphorus	Concern	25 miles upstream of Manahuilla Creek	25	25	17	
Orthophosphorus	Concern	9 miles downstream of Escondido Creek	9	11	8	
Orthophosphorus	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	4	2	
Orthophosphorus	Not Assessed	From upstream end of segment to Escondido Creek	38	4	4	
Total Phosphorus	Concern	25 miles downstream of the confluence with Manahuilla Creek	25	16	7	
Total Phosphorus	Concern	25 miles upstream of Manahuilla Creek	25	22	13	
Total Phosphorus	Concern	9 miles downstream of Escondido Creek	9	12	7	
Total Phosphorus	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	4	2	
Total Phosphorus	Not Assessed	From upstream end of segment to Escondido Creek	38	4	2	
Overall Nutrient Enrichment Concerns	Concern	25 miles downstream of the confluence with Manahuilla Creek	25			
Overall Nutrient Enrichment Concerns	Concern	25 miles upstream of Manahuilla Creek	25			
Overall Nutrient Enrichment Concerns	Concern	9 miles downstream of Escondido Creek	9			
Overall Nutrient Enrichment Concerns	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25			
Overall Nutrient Enrichment Concerns	Not Assessed	From upstream end of segment to Escondido Creek	38			
Overall Nutrient Enrichment Concerns	Not Assessed	Lower 31 miles of segment	31			

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Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Algal Growth Concern						
Chlorophyll a	No Concern	25 miles downstream of the confluence with Manahuilla Creek	25	12	0	
Chlorophyll a	Not Assessed	25 miles upstream of Manahuilla Creek	25	3	0	
Chlorophyll a	Not Assessed	9 miles downstream of Escondido Creek	9	0		
Chlorophyll a	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	0		
Chlorophyll a	Not Assessed	From upstream end of segment to Escondido Creek	38	0		
Chlorophyll a	Not Assessed	Lower 31 miles of segment	31			
Sediment Contaminants Concern						
Overall Sediment Contaminant Concerns	Not Assessed	25 miles downstream of the confluence with Manahuilla Creek	25			
Overall Sediment Contaminant Concerns	Not Assessed	25 miles upstream of Manahuilla Creek	25			
Overall Sediment Contaminant Concerns	Not Assessed	9 miles downstream of Escondido Creek	9			
Overall Sediment Contaminant Concerns	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25			
Overall Sediment Contaminant Concerns	Not Assessed	From upstream end of segment to Escondido Creek	38			
Overall Sediment Contaminant Concerns	Not Assessed	Lower 31 miles of segment	31			
Fish Tissue Contaminants Concern						
Overall Fish Tissue Contaminant Concerns	Not Assessed	25 miles downstream of the confluence with Manahuilla Creek	25			
Overall Fish Tissue Contaminant Concerns	Not Assessed	25 miles upstream of Manahuilla Creek	25			
Overall Fish Tissue Contaminant Concerns	Not Assessed	9 miles downstream of Escondido Creek	9			

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Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Fish Tissue Contaminants Concern (continued)						
Overall Fish Tissue Contaminant Concerns	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25			
Overall Fish Tissue Contaminant Concerns	Not Assessed	From upstream end of segment to Escondido Creek	38			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower 31 miles of segment	31			
Narrative Criteria Concern						
Overall Narrative Criteria Concerns	No Concern	25 miles downstream of the confluence with Manahuilla Creek	25			
Overall Narrative Criteria Concerns	No Concern	25 miles upstream of Manahuilla Creek	25			
Overall Narrative Criteria Concerns	No Concern	9 miles downstream of Escondido Creek	9			
Overall Narrative Criteria Concerns	No Concern	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25			
Overall Narrative Criteria Concerns	No Concern	From upstream end of segment to Escondido Creek	38			
Overall Narrative Criteria Concerns	No Concern	Lower 31 miles of segment	31			
Overall Secondary Concern						
	Concern	25 miles downstream of the confluence with Manahuilla Creek	25			
	Concern	25 miles upstream of Manahuilla Creek	25			
	Concern	9 miles downstream of Escondido Creek	9			
	No Concern	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25			
	No Concern	From upstream end of segment to Escondido Creek	38			
	No Concern	Lower 31 miles of segment	31			