

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

Freshwater Stream

San Antonio River Basin

Total size:

153

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	25 miles downstream of the confluence with Manahuilla Creek	25	16	0	
2002	Dissolved Oxygen grab average	No Concern	25 miles upstream of Manahuilla Creek	25	111	0	
2002	Dissolved Oxygen grab average	No Concern	9 miles downstream of Escondido Creek	9	12	0	
2002	Dissolved Oxygen grab average	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	4	0	
2002	Dissolved Oxygen grab average	Not Assessed	From upstream end of segment to Escondido Creek	38	3	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	25 miles downstream of the confluence with Manahuilla Creek	25	16	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	25 miles upstream of Manahuilla Creek	25	111	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	9 miles downstream of Escondido Creek	9	12	0	
2002	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	
2002	Dissolved Oxygen grab minimum	Not Assessed	From upstream end of segment to Escondido Creek	38	3	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	25 miles downstream of the confluence with Manahuilla Creek	25	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	25 miles upstream of Manahuilla Creek	25	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	9 miles downstream of Escondido Creek	9	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	From upstream end of segment to Escondido Creek	38	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	25 miles downstream of the confluence with Manahuilla Creek	25	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	25 miles upstream of Manahuilla Creek	25	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	9 miles downstream of Escondido Creek	9	0		
2002	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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Aquatic Life Use (continued)

2002	Dissolved Oxygen 24hr minimum	Not Assessed	From upstream end of segment to Escondido Creek	38	0		
2002	Acute Metals in water	No Concern-Limited Data	25 miles upstream of Manahuilla Creek	25	5	0	
2002	Acute Metals in water	Not Assessed	9 miles downstream of Escondido Creek	9	2	0	
2002	Chronic Metals in water	No Concern-Limited Data	25 miles upstream of Manahuilla Creek	25	5		
2002	Chronic Metals in water	Not Assessed	9 miles downstream of Escondido Creek	9	2		
2002	Overall Aquatic Life Use	Fully Supporting	25 miles downstream of the confluence with Manahuilla Creek	25			
2002	Overall Aquatic Life Use	Fully Supporting	25 miles upstream of Manahuilla Creek	25			
2002	Overall Aquatic Life Use	Fully Supporting	9 miles downstream of Escondido Creek	9			
2002	Overall Aquatic Life Use	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25			
2002	Overall Aquatic Life Use	Not Assessed	From upstream end of segment to Escondido Creek	38			
2002	Overall Aquatic Life Use	Not Assessed	Lower 31 miles of segment	31			

Contact Recreation Use

2002	E. coli single sample	Fully Supporting	25 miles downstream of the confluence with Manahuilla Creek	25	12	3	
2002	E. coli single sample	Fully Supporting	25 miles upstream of Manahuilla Creek	25	15	3	
2002	E. coli single sample	Fully Supporting	9 miles downstream of Escondido Creek	9	10	2	
2002	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	
2002	E. coli single sample	Not Assessed	From upstream end of segment to Escondido Creek	38	3		
2002	E. coli geometric mean	Not Supporting	25 miles downstream of the confluence with Manahuilla Creek	25	12		180.7

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Contact Recreation Use (continued)

2002	E. coli geometric mean	Not Supporting	25 miles upstream of Manahuilla Creek	25	15		209
2002	E. coli geometric mean	Not Supporting	9 miles downstream of Escondido Creek	9	10		157
2002	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
2002	E. coli geometric mean	Not Assessed	From upstream end of segment to Escondido Creek	38	3		
2002	Fecal coliform single sample	Not Supporting	25 miles downstream of the confluence with Manahuilla Creek	25	16	7	
2002	Fecal coliform single sample	Not Supporting	25 miles upstream of Manahuilla Creek	25	23	8	
2002	Fecal coliform single sample	Fully Supporting	9 miles downstream of Escondido Creek	9	10	2	
2002	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	
2002	Fecal coliform single sample	Not Assessed	From upstream end of segment to Escondido Creek	38	3		
2002	Fecal coliform geometric mean	Not Supporting	25 miles downstream of the confluence with Manahuilla Creek	25	16		311.4
2002	Fecal coliform geometric mean	Not Supporting	25 miles upstream of Manahuilla Creek	25	23		354.8
2002	Fecal coliform geometric mean	Not Supporting	9 miles downstream of Escondido Creek	9	10		227
2002	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
2002	Fecal coliform geometric mean	Not Assessed	From upstream end of segment to Escondido Creek	38	3		
2002	Overall Recreation Use	Not Supporting	25 miles downstream of the confluence with Manahuilla Creek	25			
2002	Overall Recreation Use	Not Supporting	25 miles upstream of Manahuilla Creek	25			
2002	Overall Recreation Use	Not Supporting	9 miles downstream of Escondido Creek	9			
2002	Overall Recreation Use	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25			
2002	Overall Recreation Use	Not Assessed	From upstream end of segment to Escondido Creek	38			
2002	Overall Recreation Use	Not Assessed	Lower 31 miles of segment	31			

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General Use

2002	Water Temperature	Fully Supporting	25 miles downstream of the confluence with Manahuilla Creek	25	16	0	
2002	Water Temperature	Fully Supporting	25 miles upstream of Manahuilla Creek	25	112	0	
2002	Water Temperature	Fully Supporting	9 miles downstream of Escondido Creek	9	12	0	
2002	Water Temperature	No Concern-Limited Data	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	4	0	
2002	Water Temperature	Not Assessed	From upstream end of segment to Escondido Creek	38	3		
2002	pH	Fully Supporting	25 miles downstream of the confluence with Manahuilla Creek	25	16	0	
2002	pH	Fully Supporting	25 miles upstream of Manahuilla Creek	25	110	0	
2002	pH	Fully Supporting	9 miles downstream of Escondido Creek	9	12	0	
2002	pH	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	3	0	
2002	pH	Not Assessed	From upstream end of segment to Escondido Creek	38	2		
2002	Chloride	Fully Supporting	25 miles downstream of the confluence with Manahuilla Creek	25	74		123.6
2002	Chloride	Fully Supporting	25 miles upstream of Manahuilla Creek	25	74		123.6
2002	Chloride	Fully Supporting	9 miles downstream of Escondido Creek	9	74		123.6
2002	Chloride	Fully Supporting	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	74		123.6
2002	Chloride	Fully Supporting	From upstream end of segment to Escondido Creek	38	74		123.6
2002	Chloride	Fully Supporting	Lower 31 miles of segment	31	74		123.6
2002	Sulfate	Fully Supporting	25 miles downstream of the confluence with Manahuilla Creek	25	74		100
2002	Sulfate	Fully Supporting	25 miles upstream of Manahuilla Creek	25	74		100
2002	Sulfate	Fully Supporting	9 miles downstream of Escondido Creek	9	74		100

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General Use (continued)

2002	Sulfate	Fully Supporting	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	74		100
2002	Sulfate	Fully Supporting	From upstream end of segment to Escondido Creek	38	74		100
2002	Sulfate	Fully Supporting	Lower 31 miles of segment	31	74		100
2002	Total Dissolved Solids	Fully Supporting	25 miles downstream of the confluence with Manahuilla Creek	25	178		650.6
2002	Total Dissolved Solids	Fully Supporting	25 miles upstream of Manahuilla Creek	25	178		650.6
2002	Total Dissolved Solids	Fully Supporting	9 miles downstream of Escondido Creek	9	178		650.6
2002	Total Dissolved Solids	Fully Supporting	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	178		650.6
2002	Total Dissolved Solids	Fully Supporting	From upstream end of segment to Escondido Creek	38	178		650.6
2002	Total Dissolved Solids	Fully Supporting	Lower 31 miles of segment	31	178		650.6
2002	Overall General Use	Fully Supporting	25 miles downstream of the confluence with Manahuilla Creek	25			
2002	Overall General Use	Fully Supporting	25 miles upstream of Manahuilla Creek	25			
2002	Overall General Use	Fully Supporting	9 miles downstream of Escondido Creek	9			
2002	Overall General Use	Fully Supporting	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25			
2002	Overall General Use	Fully Supporting	From upstream end of segment to Escondido Creek	38			
2002	Overall General Use	Fully Supporting	Lower 31 miles of segment	31			

Fish Consumption Use

2002	Human Health Criteria	Not Assessed	9 miles downstream of Escondido Creek	9	2		
2002	Human Health Criteria Metals	No Concern-Limited Data	25 miles upstream of Manahuilla Creek	25	5		
2002	Overall Fish Consumption Use	Not Assessed	25 miles downstream of the confluence with Manahuilla Creek	25			

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Fish Consumption Use (continued)

2002	Overall Fish Consumption Use	Not Assessed	25 miles upstream of Manahuilla Creek	25			
2002	Overall Fish Consumption Use	Not Assessed	9 miles downstream of Escondido Creek	9			
2002	Overall Fish Consumption Use	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25			
2002	Overall Fish Consumption Use	Not Assessed	From upstream end of segment to Escondido Creek	38			
2002	Overall Fish Consumption Use	Not Assessed	Lower 31 miles of segment	31			

Overall Use Support

2002		Not Supporting	25 miles downstream of the confluence with Manahuilla Creek	25			
2002		Not Supporting	25 miles upstream of Manahuilla Creek	25			
2002		Not Supporting	9 miles downstream of Escondido Creek	9			
2002		Fully Supporting	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25			
2002		Fully Supporting	From upstream end of segment to Escondido Creek	38			
2002		Fully Supporting	Lower 31 miles of segment	31			

Nutrient Enrichment Concern

2002	Ammonia Nitrogen	Not Assessed	25 miles downstream of the confluence with Manahuilla Creek	25	5	0	
2002	Ammonia Nitrogen	No Concern	25 miles upstream of Manahuilla Creek	25	24	2	
2002	Ammonia Nitrogen	No Concern	9 miles downstream of Escondido Creek	9	12	1	
2002	Ammonia Nitrogen	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	4	0	
2002	Ammonia Nitrogen	Not Assessed	From upstream end of segment to Escondido Creek	38	4	0	
2002	Nitrite + Nitrate Nitrogen	Concern	25 miles downstream of the confluence with Manahuilla Creek	25	16	14	
2002	Nitrite + Nitrate Nitrogen	Concern	25 miles upstream of Manahuilla Creek	25	26	19	

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Nutrient Enrichment Concern (continued)

2002	Nitrite + Nitrate Nitrogen	Concern	9 miles downstream of Escondido Creek	9	11	9	
2002	Nitrite + Nitrate Nitrogen	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	4	4	
2002	Nitrite + Nitrate Nitrogen	Not Assessed	From upstream end of segment to Escondido Creek	38	4	4	
2002	Orthophosphorus	Not Assessed	25 miles downstream of the confluence with Manahuilla Creek	25	0		
2002	Orthophosphorus	Concern	25 miles upstream of Manahuilla Creek	25	25	17	
2002	Orthophosphorus	Concern	9 miles downstream of Escondido Creek	9	11	8	
2002	Orthophosphorus	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	4	2	
2002	Orthophosphorus	Not Assessed	From upstream end of segment to Escondido Creek	38	4	4	
2002	Total Phosphorus	Concern	25 miles downstream of the confluence with Manahuilla Creek	25	16	7	
2002	Total Phosphorus	Concern	25 miles upstream of Manahuilla Creek	25	22	13	
2002	Total Phosphorus	Concern	9 miles downstream of Escondido Creek	9	12	7	
2002	Total Phosphorus	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	4	2	
2002	Total Phosphorus	Not Assessed	From upstream end of segment to Escondido Creek	38	4	2	
2002	Overall Nutrient Enrichment Concerns	Concern	25 miles downstream of the confluence with Manahuilla Creek	25			
2002	Overall Nutrient Enrichment Concerns	Concern	25 miles upstream of Manahuilla Creek	25			
2002	Overall Nutrient Enrichment Concerns	Concern	9 miles downstream of Escondido Creek	9			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	From upstream end of segment to Escondido Creek	38			

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Nutrient Enrichment Concern (continued)

2002	Overall Nutrient Enrichment Concerns	Not Assessed	Lower 31 miles of segment	31			
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Algal Growth Concern

2002	Chlorophyll a	No Concern	25 miles downstream of the confluence with Manahuilla Creek	25	12	0	
2002	Chlorophyll a	Not Assessed	25 miles upstream of Manahuilla Creek	25	3	0	
2002	Chlorophyll a	Not Assessed	9 miles downstream of Escondido Creek	9	0		
2002	Chlorophyll a	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25	0		
2002	Chlorophyll a	Not Assessed	From upstream end of segment to Escondido Creek	38	0		
2002	Chlorophyll a	Not Assessed	Lower 31 miles of segment	31			

Sediment Contaminants Concern

2002	Overall Sediment Contaminant Concerns	Not Assessed	25 miles downstream of the confluence with Manahuilla Creek	25			
2002	Overall Sediment Contaminant Concerns	Not Assessed	25 miles upstream of Manahuilla Creek	25			
2002	Overall Sediment Contaminant Concerns	Not Assessed	9 miles downstream of Escondido Creek	9			
2002	Overall Sediment Contaminant Concerns	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25			
2002	Overall Sediment Contaminant Concerns	Not Assessed	From upstream end of segment to Escondido Creek	38			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Lower 31 miles of segment	31			

Fish Tissue Contaminants Concern

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	25 miles downstream of the confluence with Manahuilla Creek	25			
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Fish Tissue Contaminants Concern (continued)

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	25 miles upstream of Manahuilla Creek	25			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	9 miles downstream of Escondido Creek	9			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	From upstream end of segment to Escondido Creek	38			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower 31 miles of segment	31			

Narrative Criteria Concern

2002	Overall Narrative Criteria Concerns	No Concern	25 miles downstream of the confluence with Manahuilla Creek	25			
2002	Overall Narrative Criteria Concerns	No Concern	25 miles upstream of Manahuilla Creek	25			
2002	Overall Narrative Criteria Concerns	No Concern	9 miles downstream of Escondido Creek	9			
2002	Overall Narrative Criteria Concerns	No Concern	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25			
2002	Overall Narrative Criteria Concerns	No Concern	From upstream end of segment to Escondido Creek	38			
2002	Overall Narrative Criteria Concerns	No Concern	Lower 31 miles of segment	31			

Overall Secondary Concern

2002		Concern	25 miles downstream of the confluence with Manahuilla Creek	25			
2002		Concern	25 miles upstream of Manahuilla Creek	25			
2002		Concern	9 miles downstream of Escondido Creek	9			

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Overall Secondary Concern (continued)

2002		No Concern	From 25 miles upstream of Manahuilla Cr to 9 mi downstream of Escondido Cr	25			
2002		No Concern	From upstream end of segment to Escondido Creek	38			
2002		No Concern	Lower 31 miles of segment	31			