

Segment ID: 1908 **Water body name:** Upper Cibolo Creek

Freshwater Stream		San Antonio River Basin		Total size:		66	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	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	3	0	
2002	Dissolved Oxygen grab average	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	36	2	
2002	Dissolved Oxygen grab minimum	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	3	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	36	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	0		
2002	Acute Metals in water	Not Assessed	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	1		
2002	Chronic Metals in water	Not Assessed	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	1		
2002	Overall Aquatic Life Use	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
2002	Overall Aquatic Life Use	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
2002	Overall Aquatic Life Use	Not Assessed	Lower 43 miles of segment	43			

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Contact Recreation Use

2002	E. coli single sample	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	0		
2002	E. coli single sample	Not Assessed	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	0		
2002	E. coli geometric mean	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	0		
2002	E. coli geometric mean	Not Assessed	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	0		
2002	Fecal coliform single sample	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	3	0	
2002	Fecal coliform single sample	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	29	2	
2002	Fecal coliform geometric mean	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	3		10.1
2002	Fecal coliform geometric mean	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	29		83.7
2002	Overall Recreation Use	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
2002	Overall Recreation Use	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
2002	Overall Recreation Use	Not Assessed	Lower 43 miles of segment	43			

General Use

2002	Water Temperature	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	3	0	
2002	Water Temperature	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	36	0	

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General Use (continued)

2002	pH	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	0		
2002	pH	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	29	0	
2002	Chloride	Fully Supporting	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	36		30.9
2002	Chloride	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	36		30.9
2002	Chloride	Fully Supporting	Lower 43 miles of segment	43	36		30.9
2002	Sulfate	Fully Supporting	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	35		40.44
2002	Sulfate	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	35		40.44
2002	Sulfate	Fully Supporting	Lower 43 miles of segment	43	35		40.44
2002	Total Dissolved Solids	Fully Supporting	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	43		358.4
2002	Total Dissolved Solids	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	43		358.4
2002	Total Dissolved Solids	Fully Supporting	Lower 43 miles of segment	43	43		358.4
2002	Overall General Use	Fully Supporting	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
2002	Overall General Use	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
2002	Overall General Use	Fully Supporting	Lower 43 miles of segment	43			

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Fish Consumption Use

2002	Human Health Criteria Metals	Not Assessed	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	1		
2002	Overall Fish Consumption Use	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
2002	Overall Fish Consumption Use	Not Assessed	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
2002	Overall Fish Consumption Use	Not Assessed	Lower 43 miles of segment	43			

Public Water Supply Use

2002	Finished Water: Running Avg	Fully Supporting	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
2002	Finished Water: Running Avg	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
2002	Surface Water: Long-term average Metals	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	33		0.65
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	3		
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Not Assessed	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	1		
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	33	0	
2002	Overall Public Water Supply Use	Fully Supporting	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
2002	Overall Public Water Supply Use	Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
2002	Overall Public Water Supply Use	Fully Supporting	Lower 43 miles of segment	43			

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Overall Use Support

2002		Fully Supporting	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
2002		Fully Supporting	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
2002		Fully Supporting	Lower 43 miles of segment	43			

Nutrient Enrichment Concern

2002	Ammonia Nitrogen	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	3	0	
2002	Ammonia Nitrogen	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	31	4	
2002	Nitrite + Nitrate Nitrogen	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	3	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	33	1	
2002	Orthophosphorus	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	0		
2002	Orthophosphorus	Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	26	7	
2002	Total Phosphorus	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	3	0	
2002	Total Phosphorus	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	33	7	
2002	Overall Nutrient Enrichment Concerns	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
2002	Overall Nutrient Enrichment Concerns	Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			

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Nutrient Enrichment Concern (continued)

2002	Overall Nutrient Enrichment Concerns	Not Assessed	Lower 43 miles of segment	43			
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Algal Growth Concern

2002	Chlorophyll a	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
2002	Chlorophyll a	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	20	2	
2002	Chlorophyll a	Not Assessed	Lower 43 miles of segment	43			

Sediment Contaminants Concern

2002	Overall Sediment Contaminant Concerns	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
2002	Overall Sediment Contaminant Concerns	Not Assessed	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Lower 43 miles of segment	43			

Fish Tissue Contaminants Concern

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower 43 miles of segment	43			

Public Water Supply Concern

2002	Finished Water: Chloride	No Concern	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
2002	Finished Water: Chloride	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			

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Public Water Supply Concern (continued)

2002	Finished Water: Chloride	No Concern	Lower 43 miles of segment	43			
2002	Finished Water: Sulfate	No Concern	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
2002	Finished Water: Sulfate	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
2002	Finished Water: Sulfate	No Concern	Lower 43 miles of segment	43			
2002	Finished Water: Total Dissolved Solids	No Concern	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
2002	Finished Water: Total Dissolved Solids	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
2002	Finished Water: Total Dissolved Solids	No Concern	Lower 43 miles of segment	43			
2002	Finished Water: MTBE	No Concern	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
2002	Finished Water: MTBE	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
2002	Finished Water: MTBE	No Concern	Lower 43 miles of segment	43			
2002	Finished Water: Perchlorate	Not Assessed	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
2002	Finished Water: Perchlorate	Not Assessed	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
2002	Finished Water: Perchlorate	Not Assessed	Lower 43 miles of segment	43			
2002	Finished Water: Overall	No Concern	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
2002	Finished Water: Overall	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
2002	Finished Water: Overall	No Concern	Lower 43 miles of segment	43			

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Public Water Supply Concern (continued)

2002	Surface Water: Chloride	No Concern	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	36		30.9
2002	Surface Water: Chloride	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	36		30.9
2002	Surface Water: Chloride	No Concern	Lower 43 miles of segment	43	36		30.9
2002	Surface Water: Sulfate	No Concern	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	36		135.1
2002	Surface Water: Sulfate	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	36		135.1
2002	Surface Water: Sulfate	No Concern	Lower 43 miles of segment	43	36		135.1
2002	Surface Water: Total Dissolved Solids	No Concern	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13	43		358.4
2002	Surface Water: Total Dissolved Solids	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10	43		358.4
2002	Surface Water: Total Dissolved Solids	No Concern	Lower 43 miles of segment	43	43		358.4
2002	Surface Water: Overall	No Concern	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
2002	Surface Water: Overall	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
2002	Surface Water: Overall	No Concern	Lower 43 miles of segment	43			
2002	Overall Public Water Supply Concerns	No Concern	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
2002	Overall Public Water Supply Concerns	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
2002	Overall Public Water Supply Concerns	No Concern	Lower 43 miles of segment	43			

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Narrative Criteria Concern

2002	Overall Narrative Criteria Concerns	No Concern	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
2002	Overall Narrative Criteria Concerns	No Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
2002	Overall Narrative Criteria Concerns	No Concern	Lower 43 miles of segment	43			

Overall Secondary Concern

2002		No Concern	From approx. 2 mi. upstream of Hwy 87 in Boerne to upper end of segment	13			
2002		Concern	From confl. with Balcones Ck. to approx. 2 mi. upstream of Hwy 87 in Boerne	10			
2002		No Concern	Lower 43 miles of segment	43			