

Segment ID: 1814 **Water body name:** Upper San Marcos River

Freshwater Stream

Guadalupe River Basin

Total size:

5

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	From IH 35 east frontage road to Spring Lake Dam	1.3	12	0	
2002	Dissolved Oxygen grab average	Not Assessed	From sub-segment 01 to IH 35 east frontage road	1	6	0	
2002	Dissolved Oxygen grab average	Not Assessed	Lower 1.5 miles of segment	1.5	4	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	From IH 35 east frontage road to Spring Lake Dam	1.3	12	0	
2002	Dissolved Oxygen grab minimum	No Concern-Limited Data	From sub-segment 01 to IH 35 east frontage road	1	6	0	
2002	Dissolved Oxygen grab minimum	No Concern-Limited Data	Lower 1.5 miles of segment	1.5	4	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	From IH 35 east frontage road to Spring Lake Dam	1.3	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	From sub-segment 01 to IH 35 east frontage road	1	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Lower 1.5 miles of segment	1.5	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	From IH 35 east frontage road to Spring Lake Dam	1.3	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	From sub-segment 01 to IH 35 east frontage road	1	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Lower 1.5 miles of segment	1.5	0		
2002	Overall Aquatic Life Use	Fully Supporting	From IH 35 east frontage road to Spring Lake Dam	1.3			
2002	Overall Aquatic Life Use	Not Assessed	From sub-segment 01 to IH 35 east frontage road	1			
2002	Overall Aquatic Life Use	Not Assessed	Lower 1.5 miles of segment	1.5			
2002	Overall Aquatic Life Use	Not Assessed	Remainder of segment	1.2			

Contact Recreation Use

2002	E. coli single sample	Fully Supporting	From IH 35 east frontage road to Spring Lake Dam	1.3	12	0	
2002	E. coli single sample	Not Assessed	From sub-segment 01 to IH 35 east frontage road	1	0		
2002	E. coli single sample	Not Assessed	Lower 1.5 miles of segment	1.5	0		
2002	E. coli geometric mean	Fully Supporting	From IH 35 east frontage road to Spring Lake Dam	1.3	12		38

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Contact Recreation Use (continued)

2002	E. coli geometric mean	Not Assessed	From sub-segment 01 to IH 35 east frontage road	1	0		
2002	E. coli geometric mean	Not Assessed	Lower 1.5 miles of segment	1.5	0		
2002	Fecal coliform single sample	Fully Supporting	From IH 35 east frontage road to Spring Lake Dam	1.3	20	1	
2002	Fecal coliform single sample	Fully Supporting	From sub-segment 01 to IH 35 east frontage road	1	14	0	
2002	Fecal coliform single sample	No Concern-Limited Data	Lower 1.5 miles of segment	1.5	4	0	
2002	Fecal coliform geometric mean	Fully Supporting	From IH 35 east frontage road to Spring Lake Dam	1.3	20		45
2002	Fecal coliform geometric mean	Fully Supporting	From sub-segment 01 to IH 35 east frontage road	1	14		28
2002	Fecal coliform geometric mean	No Concern-Limited Data	Lower 1.5 miles of segment	1.5	4		62
2002	Overall Recreation Use	Fully Supporting	From IH 35 east frontage road to Spring Lake Dam	1.3			
2002	Overall Recreation Use	Fully Supporting	From sub-segment 01 to IH 35 east frontage road	1			
2002	Overall Recreation Use	Not Assessed	Lower 1.5 miles of segment	1.5			
2002	Overall Recreation Use	Not Assessed	Remainder of segment	1.2			

General Use

2002	Water Temperature	Fully Supporting	From IH 35 east frontage road to Spring Lake Dam	1.3	12	0	
2002	Water Temperature	No Concern-Limited Data	From sub-segment 01 to IH 35 east frontage road	1	6	0	
2002	Water Temperature	No Concern-Limited Data	Lower 1.5 miles of segment	1.5	4	0	
2002	pH	Fully Supporting	From IH 35 east frontage road to Spring Lake Dam	1.3	10	0	
2002	pH	No Concern-Limited Data	From sub-segment 01 to IH 35 east frontage road	1	6	0	
2002	pH	No Concern-Limited Data	Lower 1.5 miles of segment	1.5	4	0	

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General Use (continued)

2002	Chloride	Fully Supporting	From IH 35 east frontage road to Spring Lake Dam	1.3	27		22
2002	Chloride	Fully Supporting	From sub-segment 01 to IH 35 east frontage road	1	27		22
2002	Chloride	Fully Supporting	Lower 1.5 miles of segment	1.5	27		22
2002	Chloride	Fully Supporting	Remainder of segment	1.2	27		22
2002	Sulfate	Fully Supporting	From IH 35 east frontage road to Spring Lake Dam	1.3	27		24.6
2002	Sulfate	Fully Supporting	From sub-segment 01 to IH 35 east frontage road	1	27		24.6
2002	Sulfate	Fully Supporting	Lower 1.5 miles of segment	1.5	27		24.6
2002	Sulfate	Fully Supporting	Remainder of segment	1.2	27		24.6
2002	Total Dissolved Solids	Fully Supporting	From IH 35 east frontage road to Spring Lake Dam	1.3	23		376.5
2002	Total Dissolved Solids	Fully Supporting	From sub-segment 01 to IH 35 east frontage road	1	23		376.5
2002	Total Dissolved Solids	Fully Supporting	Lower 1.5 miles of segment	1.5	23		376.5
2002	Total Dissolved Solids	Fully Supporting	Remainder of segment	1.2	23		376.5
2002	Overall General Use	Fully Supporting	From IH 35 east frontage road to Spring Lake Dam	1.3			
2002	Overall General Use	Fully Supporting	From sub-segment 01 to IH 35 east frontage road	1			
2002	Overall General Use	Fully Supporting	Lower 1.5 miles of segment	1.5			
2002	Overall General Use	Fully Supporting	Remainder of segment	1.2			

Fish Consumption Use

2002	Overall Fish Consumption Use	Not Assessed	From IH 35 east frontage road to Spring Lake Dam	1.3			
2002	Overall Fish Consumption Use	Not Assessed	From sub-segment 01 to IH 35 east frontage road	1			
2002	Overall Fish Consumption Use	Not Assessed	Lower 1.5 miles of segment	1.5			
2002	Overall Fish Consumption Use	Not Assessed	Remainder of segment	1.2			

Public Water Supply Use

2002	Finished Water: Running Avg	Fully Supporting	From IH 35 east frontage road to Spring Lake Dam	1.3			
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Freshwater Stream

Guadalupe River Basin

Total size:

5

Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
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Public Water Supply Use (continued)

2002	Finished Water: Running Avg	Fully Supporting	From sub-segment 01 to IH 35 east frontage road	1			
2002	Finished Water: Running Avg	Fully Supporting	Lower 1.5 miles of segment	1.5			
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Fully Supporting	From IH 35 east frontage road to Spring Lake Dam	1.3	12		1.2
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	No Concern-Limited Data	From sub-segment 01 to IH 35 east frontage road	1	5		1.1
2002	Surface Water: Long-term average Nitrate+Nitrite Nitrogen	Not Assessed	Lower 1.5 miles of segment	1.5	2		1.9
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Fully Supporting	From IH 35 east frontage road to Spring Lake Dam	1.3	12	0	
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	No Concern-Limited Data	From sub-segment 01 to IH 35 east frontage road	1	5	0	
2002	Surface Water: Running average Nitrate+Nitrite Nitrogen	Not Assessed	Lower 1.5 miles of segment	1.5	2	0	
2002	Overall Public Water Supply Use	Fully Supporting	From IH 35 east frontage road to Spring Lake Dam	1.3			
2002	Overall Public Water Supply Use	Fully Supporting	From sub-segment 01 to IH 35 east frontage road	1			
2002	Overall Public Water Supply Use	Fully Supporting	Lower 1.5 miles of segment	1.5			
2002	Overall Public Water Supply Use	Fully Supporting	Remainder of segment	1.2			

Overall Use Support

2002		Fully Supporting	From IH 35 east frontage road to Spring Lake Dam	1.3			
2002		Fully Supporting	From sub-segment 01 to IH 35 east frontage road	1			
2002		Fully Supporting	Lower 1.5 miles of segment	1.5			
2002		Fully Supporting	Remainder of segment	1.2			

Nutrient Enrichment Concern

2002	Ammonia Nitrogen	No Concern	From IH 35 east frontage road to Spring Lake Dam	1.3	10	0	
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Segment ID: 1814 **Water body name:** Upper San Marcos River

Freshwater Stream Guadalupe River Basin Total size: 5 Miles

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Nutrient Enrichment Concern (continued)

2002	Ammonia Nitrogen	Not Assessed	From sub-segment 01 to IH 35 east frontage road	1	5	0	
2002	Ammonia Nitrogen	Not Assessed	Lower 1.5 miles of segment	1.5	4	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	From IH 35 east frontage road to Spring Lake Dam	1.3	12	0	
2002	Nitrite + Nitrate Nitrogen	Not Assessed	From sub-segment 01 to IH 35 east frontage road	1	5	0	
2002	Nitrite + Nitrate Nitrogen	Not Assessed	Lower 1.5 miles of segment	1.5	2	0	
2002	Orthophosphorus	Not Assessed	From IH 35 east frontage road to Spring Lake Dam	1.3	0		
2002	Orthophosphorus	Not Assessed	From sub-segment 01 to IH 35 east frontage road	1	5	0	
2002	Orthophosphorus	Not Assessed	Lower 1.5 miles of segment	1.5	2	0	
2002	Total Phosphorus	No Concern	From IH 35 east frontage road to Spring Lake Dam	1.3	12	0	
2002	Total Phosphorus	Not Assessed	From sub-segment 01 to IH 35 east frontage road	1	5	0	
2002	Total Phosphorus	Not Assessed	Lower 1.5 miles of segment	1.5	4	0	
2002	Overall Nutrient Enrichment Concerns	No Concern	From IH 35 east frontage road to Spring Lake Dam	1.3			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	From sub-segment 01 to IH 35 east frontage road	1			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Lower 1.5 miles of segment	1.5			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	Remainder of segment	1.2			

Algal Growth Concern

2002	Chlorophyll a	No Concern	From IH 35 east frontage road to Spring Lake Dam	1.3	12	0	
2002	Chlorophyll a	Not Assessed	From sub-segment 01 to IH 35 east frontage road	1	5	0	
2002	Chlorophyll a	Not Assessed	Lower 1.5 miles of segment	1.5	4	0	
2002	Chlorophyll a	Not Assessed	Remainder of segment	1.2			

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Freshwater Stream

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5

Miles

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Sediment Contaminants Concern

2002	Overall Sediment Contaminant Concerns	Not Assessed	From IH 35 east frontage road to Spring Lake Dam	1.3			
2002	Overall Sediment Contaminant Concerns	Not Assessed	From sub-segment 01 to IH 35 east frontage road	1			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Lower 1.5 miles of segment	1.5			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Remainder of segment	1.2			

Fish Tissue Contaminants Concern

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	From IH 35 east frontage road to Spring Lake Dam	1.3			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	From sub-segment 01 to IH 35 east frontage road	1			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower 1.5 miles of segment	1.5			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Remainder of segment	1.2			

Public Water Supply Concern

2002	Finished Water: Chloride	No Concern	From IH 35 east frontage road to Spring Lake Dam	1.3			
2002	Finished Water: Chloride	No Concern	From sub-segment 01 to IH 35 east frontage road	1			
2002	Finished Water: Chloride	No Concern	Lower 1.5 miles of segment	1.5			
2002	Finished Water: Chloride	No Concern	Remainder of segment	1.2			
2002	Finished Water: Sulfate	No Concern	From IH 35 east frontage road to Spring Lake Dam	1.3			
2002	Finished Water: Sulfate	No Concern	From sub-segment 01 to IH 35 east frontage road	1			
2002	Finished Water: Sulfate	No Concern	Lower 1.5 miles of segment	1.5			
2002	Finished Water: Sulfate	No Concern	Remainder of segment	1.2			

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Miles

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Public Water Supply Concern (continued)

2002	Finished Water: Total Dissolved Solids	No Concern	From IH 35 east frontage road to Spring Lake Dam	1.3			
2002	Finished Water: Total Dissolved Solids	No Concern	From sub-segment 01 to IH 35 east frontage road	1			
2002	Finished Water: Total Dissolved Solids	No Concern	Lower 1.5 miles of segment	1.5			
2002	Finished Water: Total Dissolved Solids	No Concern	Remainder of segment	1.2			
2002	Finished Water: MTBE	No Concern	From IH 35 east frontage road to Spring Lake Dam	1.3			
2002	Finished Water: MTBE	No Concern	From sub-segment 01 to IH 35 east frontage road	1			
2002	Finished Water: MTBE	No Concern	Lower 1.5 miles of segment	1.5			
2002	Finished Water: MTBE	No Concern	Remainder of segment	1.2			
2002	Finished Water: Perchlorate	Not Assessed	From IH 35 east frontage road to Spring Lake Dam	1.3			
2002	Finished Water: Perchlorate	Not Assessed	From sub-segment 01 to IH 35 east frontage road	1			
2002	Finished Water: Perchlorate	Not Assessed	Lower 1.5 miles of segment	1.5			
2002	Finished Water: Perchlorate	Not Assessed	Remainder of segment	1.2			
2002	Finished Water: Overall	No Concern	From IH 35 east frontage road to Spring Lake Dam	1.3			
2002	Finished Water: Overall	No Concern	From sub-segment 01 to IH 35 east frontage road	1			
2002	Finished Water: Overall	No Concern	Lower 1.5 miles of segment	1.5			
2002	Finished Water: Overall	No Concern	Remainder of segment	1.2			
2002	Surface Water: Chloride	No Concern	From IH 35 east frontage road to Spring Lake Dam	1.3	27		22
2002	Surface Water: Chloride	No Concern	From sub-segment 01 to IH 35 east frontage road	1	27		22
2002	Surface Water: Chloride	No Concern	Lower 1.5 miles of segment	1.5	27		22
2002	Surface Water: Chloride	No Concern	Remainder of segment	1.2	27		22
2002	Surface Water: Sulfate	No Concern	From IH 35 east frontage road to Spring Lake Dam	1.3	27		24.6

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Public Water Supply Concern (continued)

2002	Surface Water: Sulfate	No Concern	From sub-segment 01 to IH 35 east frontage road	1	27		24.6
2002	Surface Water: Sulfate	No Concern	Lower 1.5 miles of segment	1.5	27		24.6
2002	Surface Water: Sulfate	No Concern	Remainder of segment	1.2	27		24.6
2002	Surface Water: Total Dissolved Solids	No Concern	From IH 35 east frontage road to Spring Lake Dam	1.3	23		376.5
2002	Surface Water: Total Dissolved Solids	No Concern	From sub-segment 01 to IH 35 east frontage road	1	23		376.5
2002	Surface Water: Total Dissolved Solids	No Concern	Lower 1.5 miles of segment	1.5	23		376.5
2002	Surface Water: Total Dissolved Solids	No Concern	Remainder of segment	1.2	23		376.5
2002	Surface Water: Overall	No Concern	From IH 35 east frontage road to Spring Lake Dam	1.3			
2002	Surface Water: Overall	No Concern	From sub-segment 01 to IH 35 east frontage road	1			
2002	Surface Water: Overall	No Concern	Lower 1.5 miles of segment	1.5			
2002	Surface Water: Overall	No Concern	Remainder of segment	1.2			
2002	Overall Public Water Supply Concerns	No Concern	From IH 35 east frontage road to Spring Lake Dam	1.3			
2002	Overall Public Water Supply Concerns	No Concern	From sub-segment 01 to IH 35 east frontage road	1			
2002	Overall Public Water Supply Concerns	No Concern	Lower 1.5 miles of segment	1.5			
2002	Overall Public Water Supply Concerns	No Concern	Remainder of segment	1.2			

Narrative Criteria Concern

2002	Overall Narrative Criteria Concerns	No Concern	From IH 35 east frontage road to Spring Lake Dam	1.3			
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Narrative Criteria Concern (continued)

2002	Overall Narrative Criteria Concerns	No Concern	From sub-segment 01 to IH 35 east frontage road	1			
2002	Overall Narrative Criteria Concerns	No Concern	Lower 1.5 miles of segment	1.5			
2002	Overall Narrative Criteria Concerns	No Concern	Remainder of segment	1.2			

Overall Secondary Concern

2002		No Concern	From IH 35 east frontage road to Spring Lake Dam	1.3			
2002		No Concern	From sub-segment 01 to IH 35 east frontage road	1			
2002		No Concern	Lower 1.5 miles of segment	1.5			
2002		No Concern	Remainder of segment	1.2			