

Segment ID: 1810 Water body name: Plum Creek

Freshwater Stream

Guadalupe River Basin

Total size:

52 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	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13	40	8	
2002	Dissolved Oxygen grab average	Not Assessed	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30	4	0	
2002	Dissolved Oxygen grab average	No Concern	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9	15	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13	40	1	
2002	Dissolved Oxygen grab minimum	No Concern-Limited Data	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30	4	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9	15	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9	0		
2002	Acute Metals in water	Not Assessed	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13	1		
2002	Chronic Metals in water	Not Assessed	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13	1		

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Aquatic Life Use (continued)

2002	Overall Aquatic Life Use	Fully Supporting	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13			
2002	Overall Aquatic Life Use	Not Assessed	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30			
2002	Overall Aquatic Life Use	Fully Supporting	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9			

Contact Recreation Use

2004	E. coli single sample	Fully Supporting	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13	58	8	
2004	E. coli single sample	Fully Supporting	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30	25	6	
2004	E. coli single sample	Not Assessed	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9	0		
2004	E. coli geometric mean	Fully Supporting	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13	58		90
2004	E. coli geometric mean	Not Supporting	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30	25		183
2004	E. coli geometric mean	Not Assessed	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9	0		
2004	Fecal coliform single sample	Not Assess-Not Represent	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13	43	7	
2004	Fecal coliform single sample	Not Assess-Not Represent	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30	12	3	
2004	Fecal coliform single sample	Not Assessed	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9	0		
2004	Fecal coliform geometric mean	Not Assess-Not Represent	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13	43		150

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Contact Recreation Use (continued)

2004	Fecal coliform geometric mean	Not Assess-Not Represent	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30	12		244
2004	Fecal coliform geometric mean	Not Assessed	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9	0		
2004	Overall Recreation Use	Fully Supporting	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13			
2004	Overall Recreation Use	Not Supporting	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30			
2004	Overall Recreation Use	Not Assessed	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9			

General Use

2002	Water Temperature	Fully Supporting	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13	40	0	
2002	Water Temperature	No Concern-Limited Data	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30	4	0	
2002	Water Temperature	Fully Supporting	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9	16	0	
2002	pH	Fully Supporting	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13	38	0	
2002	pH	No Concern-Limited Data	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30	4	0	
2002	pH	Fully Supporting	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9	16	0	
2002	Chloride	Fully Supporting	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13	60		150.7
2002	Chloride	Fully Supporting	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30	60		150.7

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General Use (continued)

2002	Chloride	Fully Supporting	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9	60		150.7
2002	Sulfate	Fully Supporting	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13	60		86
2002	Sulfate	Fully Supporting	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30	60		86
2002	Sulfate	Fully Supporting	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9	60		86
2002	Total Dissolved Solids	Fully Supporting	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13	61		729.9
2002	Total Dissolved Solids	Fully Supporting	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30	61		729.9
2002	Total Dissolved Solids	Fully Supporting	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9	61		729.9
2002	Overall General Use	Fully Supporting	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13			
2002	Overall General Use	Fully Supporting	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30			
2002	Overall General Use	Fully Supporting	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9			

Fish Consumption Use

2002	Human Health Criteria Metals	Not Assessed	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13	1		
2002	Overall Fish Consumption Use	Not Assessed	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13			
2002	Overall Fish Consumption Use	Not Assessed	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30			

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Fish Consumption Use (continued)

2002	Overall Fish Consumption Use	Not Assessed	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9			
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Overall Use Support

2004		Fully Supporting	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13			
2004		Not Supporting	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30			
2004		Fully Supporting	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9			

Nutrient Enrichment Concern

2002	Ammonia Nitrogen	Concern	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13	22	6	
2002	Ammonia Nitrogen	Not Assessed	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30	4	0	
2002	Ammonia Nitrogen	Not Assessed	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9	8	2	
2002	Nitrite + Nitrate Nitrogen	Concern	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13	40	12	
2002	Nitrite + Nitrate Nitrogen	Not Assessed	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30	4	4	
2002	Nitrite + Nitrate Nitrogen	Concern	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9	16	11	
2002	Orthophosphorus	Not Assessed	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13	5	0	
2002	Orthophosphorus	Not Assessed	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30	4	3	
2002	Orthophosphorus	Not Assessed	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9	0		

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Nutrient Enrichment Concern (continued)

2002	Total Phosphorus	No Concern	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13	40	2	
2002	Total Phosphorus	Not Assessed	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30	3	2	
2002	Total Phosphorus	Concern	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9	16	8	
2002	Overall Nutrient Enrichment Concerns	Concern	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30			
2002	Overall Nutrient Enrichment Concerns	Concern	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9			

Algal Growth Concern

2002	Chlorophyll a	No Concern	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13	40	1	
2002	Chlorophyll a	Not Assessed	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30	4	0	
2002	Chlorophyll a	No Concern	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9	16	1	

Sediment Contaminants Concern

2002	Metals in sediment	Not Assessed	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13	1		
2002	Metals in sediment	Not Assessed	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30	1		
2002	Metals in sediment	Not Assessed	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9	1		
2002	Overall Sediment Contaminant Concerns	Not Assessed	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13			

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Sediment Contaminants Concern (continued)

2002	Overall Sediment Contaminant Concerns	Not Assessed	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30			
2002	Overall Sediment Contaminant Concerns	Not Assessed	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9			

Fish Tissue Contaminants Concern

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9			

Narrative Criteria Concern

2002	Overall Narrative Criteria Concerns	No Concern	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13			
2002	Overall Narrative Criteria Concerns	No Concern	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30			
2002	Overall Narrative Criteria Concerns	No Concern	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9			

Overall Secondary Concern

2002		Concern	Confluence with San Marcos River to confluence with Clear Fork Plum Creek	13			
2002		No Concern	From approx. 1 mi downstream of Caldwell CR 202 to upper end of segment	30			
2002		Concern	From confl Clear Fork Plum Ck to approx. 1 mi downstream of Caldwell CR 202	9			