

Segment ID: 0104

Water body name: Wolf Creek

Freshwater Stream

Canadian River Basin

Total size:

81 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	Cottonwood Creek to State Highway 23	25	29	0	
2002	Dissolved Oxygen grab average	No Concern	Oklahoma State Line to Cottonwood Creek	15	11	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Cottonwood Creek to State Highway 23	25	29	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	Oklahoma State Line to Cottonwood Creek	15	11	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	Cottonwood Creek to State Highway 23	25	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	Oklahoma State Line to Cottonwood Creek	15	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Cottonwood Creek to State Highway 23	25	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	Oklahoma State Line to Cottonwood Creek	15	0		
2002	Acute Metals in water	Not Assessed	Oklahoma State Line to Cottonwood Creek	15	2		
2002	Chronic Metals in water	Not Assessed	Oklahoma State Line to Cottonwood Creek	15	2		
2002	Overall Aquatic Life Use	Fully Supporting	Cottonwood Creek to State Highway 23	25			
2002	Overall Aquatic Life Use	Fully Supporting	Oklahoma State Line to Cottonwood Creek	15			
2002	Overall Aquatic Life Use	Not Assessed	State Highway 23 to upper end of segment	41			

Contact Recreation Use

2004	E. coli single sample	Fully Supporting	Cottonwood Creek to State Highway 23	25	26	4	
2004	E. coli single sample	No Concern-Limited Data	Oklahoma State Line to Cottonwood Creek	15	7	1	
2004	E. coli geometric mean	Fully Supporting	Cottonwood Creek to State Highway 23	25	26		124
2004	E. coli geometric mean	Use Concern-Limited Data	Oklahoma State Line to Cottonwood Creek	15	7		165
2004	Fecal coliform single sample	Fully Supporting	Cottonwood Creek to State Highway 23	25	34	4	

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Contact Recreation Use (continued)

2004	Fecal coliform single sample	No Concern-Limited Data	Oklahoma State Line to Cottonwood Creek	15	8	0	
2004	Fecal coliform geometric mean	Fully Supporting	Cottonwood Creek to State Highway 23	25	34		116
2004	Fecal coliform geometric mean	No Concern-Limited Data	Oklahoma State Line to Cottonwood Creek	15	8		112
2004	Overall Recreation Use	Fully Supporting	Cottonwood Creek to State Highway 23	25			
2004	Overall Recreation Use	Not Assessed	Oklahoma State Line to Cottonwood Creek	15			
2004	Overall Recreation Use	Not Assessed	State Highway 23 to upper end of segment	41			

General Use

2002	Water Temperature	Fully Supporting	Cottonwood Creek to State Highway 23	25	34	0	
2002	Water Temperature	Fully Supporting	Oklahoma State Line to Cottonwood Creek	15	11	0	
2002	pH	Fully Supporting	Cottonwood Creek to State Highway 23	25	29	0	
2002	pH	Fully Supporting	Oklahoma State Line to Cottonwood Creek	15	11	0	
2002	Chloride	Fully Supporting	Cottonwood Creek to State Highway 23	25	23		265
2002	Chloride	Fully Supporting	Oklahoma State Line to Cottonwood Creek	15	23		265
2002	Chloride	Fully Supporting	State Highway 23 to upper end of segment	41	23		265
2002	Sulfate	Fully Supporting	Cottonwood Creek to State Highway 23	25	23		70
2002	Sulfate	Fully Supporting	Oklahoma State Line to Cottonwood Creek	15	23		70
2002	Sulfate	Fully Supporting	State Highway 23 to upper end of segment	41	23		70
2002	Total Dissolved Solids	Fully Supporting	Cottonwood Creek to State Highway 23	25	46		865
2002	Total Dissolved Solids	Fully Supporting	Oklahoma State Line to Cottonwood Creek	15	46		865
2002	Total Dissolved Solids	Fully Supporting	State Highway 23 to upper end of segment	41	46		865
2002	Overall General Use	Fully Supporting	Cottonwood Creek to State Highway 23	25			

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General Use (continued)

2002	Overall General Use	Fully Supporting	Oklahoma State Line to Cottonwood Creek	15			
2002	Overall General Use	Fully Supporting	State Highway 23 to upper end of segment	41			

Fish Consumption Use

2002	Human Health Criteria	Not Assessed	Cottonwood Creek to State Highway 23	25	2		
2002	Overall Fish Consumption Use	Not Assessed	Cottonwood Creek to State Highway 23	25			
2002	Overall Fish Consumption Use	Not Assessed	Oklahoma State Line to Cottonwood Creek	15			
2002	Overall Fish Consumption Use	Not Assessed	State Highway 23 to upper end of segment	41			

Overall Use Support

2004		Fully Supporting	Cottonwood Creek to State Highway 23	25			
2004		Fully Supporting	Oklahoma State Line to Cottonwood Creek	15			
2004		Fully Supporting	State Highway 23 to upper end of segment	41			

Nutrient Enrichment Concern

2002	Ammonia Nitrogen	No Concern	Cottonwood Creek to State Highway 23	25	18	0	
2002	Ammonia Nitrogen	Not Assessed	Oklahoma State Line to Cottonwood Creek	15	3	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	Cottonwood Creek to State Highway 23	25	17	0	
2002	Nitrite + Nitrate Nitrogen	Not Assessed	Oklahoma State Line to Cottonwood Creek	15	3	0	
2002	Orthophosphorus	No Concern	Cottonwood Creek to State Highway 23	25	17	0	
2002	Orthophosphorus	Not Assessed	Oklahoma State Line to Cottonwood Creek	15	3	0	
2002	Total Phosphorus	No Concern	Cottonwood Creek to State Highway 23	25	15	0	
2002	Total Phosphorus	Not Assessed	Oklahoma State Line to Cottonwood Creek	15	0		
2002	Overall Nutrient Enrichment Concerns	No Concern	Cottonwood Creek to State Highway 23	25			

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Nutrient Enrichment Concern (continued)

2002	Overall Nutrient Enrichment Concerns	Not Assessed	Oklahoma State Line to Cottonwood Creek	15			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	State Highway 23 to upper end of segment	41			

Algal Growth Concern

2002	Chlorophyll a	No Concern	Cottonwood Creek to State Highway 23	25	15	0	
2002	Chlorophyll a	Not Assessed	Oklahoma State Line to Cottonwood Creek	15	0		
2002	Chlorophyll a	Not Assessed	State Highway 23 to upper end of segment	41			

Sediment Contaminants Concern

2002	Overall Sediment Contaminant Concerns	Not Assessed	Cottonwood Creek to State Highway 23	25			
2002	Overall Sediment Contaminant Concerns	Not Assessed	Oklahoma State Line to Cottonwood Creek	15			
2002	Overall Sediment Contaminant Concerns	Not Assessed	State Highway 23 to upper end of segment	41			

Fish Tissue Contaminants Concern

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Cottonwood Creek to State Highway 23	25			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	Oklahoma State Line to Cottonwood Creek	15			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	State Highway 23 to upper end of segment	41			

Narrative Criteria Concern

2002	Overall Narrative Criteria Concerns	No Concern	Cottonwood Creek to State Highway 23	25			
2002	Overall Narrative Criteria Concerns	No Concern	Oklahoma State Line to Cottonwood Creek	15			

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Narrative Criteria Concern (continued)

2002	Overall Narrative Criteria Concerns	No Concern	State Highway 23 to upper end of segment	41			
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Overall Secondary Concern

2002		No Concern	Cottonwood Creek to State Highway 23	25			
2002		No Concern	Oklahoma State Line to Cottonwood Creek	15			
2002		No Concern	State Highway 23 to upper end of segment	41			