Segment ID: 0229 **Water body name:** Upper Prairie Dog Town Fork Red River

Freshwater Stream | Red River Basin | Total size: 41 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life Use						
Dissolved Oxygen grab average	Not Assessed	Palo Duro Canyon State Park upstream boundary to upper end of segment	11	7	0	
Dissolved Oxygen grab average	No Concern	SH 207 to Palo Duro Canyon State Park north boundary	24	28	0	
Dissolved Oxygen grab minimum	No Concern-Limited Data	Palo Duro Canyon State Park upstream boundary to upper end of segment	11	7	0	
Dissolved Oxygen grab minimum	Fully Supporting	SH 207 to Palo Duro Canyon State Park north boundary	24	28	0	
Dissolved Oxygen 24hr average	Not Assessed	Palo Duro Canyon State Park upstream boundary to upper end of segment	11	0		
Dissolved Oxygen 24hr average	Not Assessed	SH 207 to Palo Duro Canyon State Park north boundary	24	0		
Dissolved Oxygen 24hr minimum	Not Assessed	Palo Duro Canyon State Park upstream boundary to upper end of segment	11	0		
Dissolved Oxygen 24hr minimum	Not Assessed	SH 207 to Palo Duro Canyon State Park north boundary	24	0		
Acute Metals in water	No Concern-Limited Data	SH 207 to Palo Duro Canyon State Park north boundary	24	4	0	
Chronic Metals in water	No Concern-Limited Data	SH 207 to Palo Duro Canyon State Park north boundary	24	4		
Overall Aquatic Life Use	Not Assessed	Lower end of segment to SH 207	6			
Overall Aquatic Life Use	Not Assessed	Palo Duro Canyon State Park upstream boundary to upper end of segment	11			
Overall Aquatic Life Use	Fully Supporting	SH 207 to Palo Duro Canyon State Park north boundary	24			

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Freshwater Stream | Red River Basin | Total size: 41 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Contact Recreation Use						
E. coli single sample	Fully Supporting	Palo Duro Canyon State Park upstream boundary to upper end of segment	11	10	2	
E. coli single sample	Use Concern-Limited Data	SH 207 to Palo Duro Canyon State Park north boundary	24	7	3	
E. coli geometric mean	Fully Supporting	Palo Duro Canyon State Park upstream boundary to upper end of segment	11	10		27
E. coli geometric mean	Use Concern-Limited Data	SH 207 to Palo Duro Canyon State Park north boundary	24	7		316
Fecal coliform single sample	Fully Supporting	Palo Duro Canyon State Park upstream boundary to upper end of segment	11	11	1	
Fecal coliform single sample	Fully Supporting	SH 207 to Palo Duro Canyon State Park north boundary	24	28	5	
Fecal coliform geometric mean	Fully Supporting	Palo Duro Canyon State Park upstream boundary to upper end of segment	11	11		24
Fecal coliform geometric mean	Fully Supporting	SH 207 to Palo Duro Canyon State Park north boundary	24	28		136
Overall Recreation Use	Not Assessed	Lower end of segment to SH 207	6			
Overall Recreation Use	Fully Supporting	Palo Duro Canyon State Park upstream boundary to upper end of segment	11			
Overall Recreation Use	Fully Supporting	SH 207 to Palo Duro Canyon State Park north boundary	24			
General Use						
Water Temperature	Fully Supporting	Palo Duro Canyon State Park upstream boundary to upper end of segment	11	12	0	
Water Temperature	Fully Supporting	SH 207 to Palo Duro Canyon State Park north boundary	24	28	0	

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Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
General Use (continued)						
pH	Fully Supporting	Palo Duro Canyon State Park upstream boundary to upper end of segment	11	12	0	
pH	Fully Supporting	SH 207 to Palo Duro Canyon State Park north boundary	24	28	0	
Chloride	Fully Supporting	Lower end of segment to SH 207	6	26		244
Chloride	Fully Supporting	Palo Duro Canyon State Park upstream boundary to upper end of segment	11	26		244
Chloride	Fully Supporting	SH 207 to Palo Duro Canyon State Park north boundary	24	26		244
Sulfate	Fully Supporting	Lower end of segment to SH 207	6	26		478
Sulfate	Fully Supporting	Palo Duro Canyon State Park upstream boundary to upper end of segment	11	26		478
Sulfate	Fully Supporting	SH 207 to Palo Duro Canyon State Park north boundary	24	26		478
Total Dissolved Solids	Fully Supporting	Lower end of segment to SH 207	6	58		1,702
Total Dissolved Solids	Fully Supporting	Palo Duro Canyon State Park upstream boundary to upper end of segment	11	58		1,702
Total Dissolved Solids	Fully Supporting	SH 207 to Palo Duro Canyon State Park north boundary	24	58		1,702
Overall General Use	Fully Supporting	Lower end of segment to SH 207	6			
Overall General Use	Fully Supporting	Palo Duro Canyon State Park upstream boundary to upper end of segment	11			
Overall General Use	Fully Supporting	SH 207 to Palo Duro Canyon State Park north boundary	24			
Fish Consumption Use						
Human Health Criteria	No Concern-Limited Data	SH 207 to Palo Duro Canyon State Park north boundary	24	4		

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Freshwater Stream | Red River Basin | Total size: 41 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Fish Consumption Use (continued)						
Overall Fish Consumption Use	Not Assessed	Lower end of segment to SH 207	6			
Overall Fish Consumption Use	Not Assessed	Palo Duro Canyon State Park upstream boundary to upper end of segment	11			
Overall Fish Consumption Use	Not Assessed	SH 207 to Palo Duro Canyon State Park north boundary	24			
Overall Use Support						
	Fully Supporting	Lower end of segment to SH 207	6			
	Fully Supporting	Palo Duro Canyon State Park upstream boundary to upper end of segment	11			
	Fully Supporting	SH 207 to Palo Duro Canyon State Park north boundary	24			
Nutrient Enrichment Concern						
Ammonia Nitrogen	Not Assessed	Palo Duro Canyon State Park upstream boundary to upper end of segment	11	3	1	
Ammonia Nitrogen	No Concern	SH 207 to Palo Duro Canyon State Park north boundary	24	21	1	
Nitrite + Nitrate Nitrogen	Not Assessed	Palo Duro Canyon State Park upstream boundary to upper end of segment	11	3	0	
Nitrite + Nitrate Nitrogen	Concern	SH 207 to Palo Duro Canyon State Park north boundary	24	21	13	
Orthophosphorus	Not Assessed	Palo Duro Canyon State Park upstream boundary to upper end of segment	11	3	0	
Orthophosphorus	Concern	SH 207 to Palo Duro Canyon State Park north boundary	24	22	15	
Total Phosphorus	Not Assessed	Palo Duro Canyon State Park upstream boundary to upper end of segment	11	0		

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Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Nutrient Enrichment Concern (continued)						
Total Phosphorus	Concern	SH 207 to Palo Duro Canyon State Park north boundary	24	20	12	
Overall Nutrient Enrichment Concerns	Not Assessed	Lower end of segment to SH 207	6			
Overall Nutrient Enrichment Concerns	Not Assessed	Palo Duro Canyon State Park upstream boundary to upper end of segment	11			
Overall Nutrient Enrichment Concerns	Concern	SH 207 to Palo Duro Canyon State Park north boundary	24			
Algal Growth Concern						
Chlorophyll a	Not Assessed	Lower end of segment to SH 207	6			
Chlorophyll a	Not Assessed	Palo Duro Canyon State Park upstream boundary to upper end of segment	11	0		
Chlorophyll a	No Concern	SH 207 to Palo Duro Canyon State Park north boundary	24	20	2	
Sediment Contaminants Concern						
Overall Sediment Contaminant Concerns	Not Assessed	Lower end of segment to SH 207	6			
Overall Sediment Contaminant Concerns	Not Assessed	Palo Duro Canyon State Park upstream boundary to upper end of segment	11			
Overall Sediment Contaminant Concerns	Not Assessed	SH 207 to Palo Duro Canyon State Park north boundary	24			
Fish Tissue Contaminants Concern						
Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower end of segment to SH 207	6			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Palo Duro Canyon State Park upstream boundary to upper end of segment	11			
Overall Fish Tissue Contaminant Concerns	Not Assessed	SH 207 to Palo Duro Canyon State Park north boundary	24			

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Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Narrative Criteria Concern						
Overall Narrative Criteria Concerns	No Concern	Lower end of segment to SH 207	6			
Overall Narrative Criteria Concerns	No Concern	Palo Duro Canyon State Park upstream boundary to upper end of segment	11			
Overall Narrative Criteria Concerns	No Concern	SH 207 to Palo Duro Canyon State Park north boundary	24			
Overall Secondary Concern						
	No Concern	Lower end of segment to SH 207	6			
	No Concern	Palo Duro Canyon State Park upstream boundary to upper end of segment	11			
	Concern	SH 207 to Palo Duro Canyon State Park north boundary	24			