Segment ID: 0218 **Water body name:** Wichita/North Fork Wichita River

Freshwater Stream | Red River Basin | Total size: 144 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life Use						
Dissolved Oxygen grab average	No Concern	Cottle county line to King County line	29	50	0	
Dissolved Oxygen grab average	No Concern	FM 287 to Foard County line	25	50	0	
Dissolved Oxygen grab average	No Concern	Lower end of segment to FM 287 in Knox City	32	52	0	
Dissolved Oxygen grab minimum	Fully Supporting	Cottle county line to King County line	29	50	0	
Dissolved Oxygen grab minimum	Fully Supporting	FM 287 to Foard County line	25	50	0	
Dissolved Oxygen grab minimum	Fully Supporting	Lower end of segment to FM 287 in Knox City	32	52	0	
Dissolved Oxygen 24hr average	Not Assessed	Cottle county line to King County line	29	0		
Dissolved Oxygen 24hr average	Not Assessed	FM 287 to Foard County line	25	0		
Dissolved Oxygen 24hr average	Not Assessed	Lower end of segment to FM 287 in Knox City	32	0		
Dissolved Oxygen 24hr minimum	Not Assessed	Cottle county line to King County line	29	0		
Dissolved Oxygen 24hr minimum	Not Assessed	FM 287 to Foard County line	25	0		
Dissolved Oxygen 24hr minimum	Not Assessed	Lower end of segment to FM 287 in Knox City	32	0		
Acute Metals in water	Fully Supporting	Cottle county line to King County line	29	47	0	
Acute Metals in water	Fully Supporting	FM 287 to Foard County line	25	47	0	
Acute Metals in water	Fully Supporting	Lower end of segment to FM 287 in Knox City	32	44	0	
Chronic Metals in water	Fully Supporting	Lower end of segment to FM 287 in Knox City	32	44		
Chronic Metals in water Selenium	Not Supporting	Cottle county line to King County line	29	47		9.405
Chronic Metals in water Selenium	Not Supporting	FM 287 to Foard County line	25	47		5.844
Chronic Metals in water Selenium	Not Supporting	Foard County line to Cottle County line	30			
Chronic Metals in water Selenium	Not Supporting	King County line to end of segment	28			
Overall Aquatic Life Use	Not Supporting	Cottle county line to King County line	29			
Overall Aquatic Life Use	Not Supporting	FM 287 to Foard County line	25			
Overall Aquatic Life Use	Not Supporting	Foard County line to Cottle County line	30			

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Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
Aquatic Life Use (continued)						
Overall Aquatic Life Use	Not Supporting	King County line to end of segment	28			
Overall Aquatic Life Use	Fully Supporting	Lower end of segment to FM 287 in Knox City	32			
Contact Recreation Use						
E. coli single sample	Not Assessed	Lower end of segment to FM 287 in Knox City	32	0		
E. coli geometric mean	Not Assessed	Lower end of segment to FM 287 in Knox City	32	0		
Fecal coliform single sample	No Concern-Limited Data	Lower end of segment to FM 287 in Knox City	32	8	0	
Fecal coliform geometric mean	No Concern-Limited Data	Lower end of segment to FM 287 in Knox City	32	8		8
Overall Recreation Use	Not Assessed	Cottle county line to King County line	29			
Overall Recreation Use	Not Assessed	FM 287 to Foard County line	25			
Overall Recreation Use	Not Assessed	Foard County line to Cottle County line	30			
Overall Recreation Use	Not Assessed	King County line to end of segment	28			
Overall Recreation Use	Not Assessed	Lower end of segment to FM 287 in Knox City	32			
General Use						
Water Temperature	Fully Supporting	Cottle county line to King County line	29	51	0	
Water Temperature	Fully Supporting	FM 287 to Foard County line	25	52	2	
Water Temperature	Fully Supporting	Lower end of segment to FM 287 in Knox City	32	54	2	
pH	Fully Supporting	Cottle county line to King County line	29	51	0	
pH	Fully Supporting	FM 287 to Foard County line	25	52	0	
pH	Fully Supporting	Lower end of segment to FM 287 in Knox City	32	54	0	
Chloride	Fully Supporting	Cottle county line to King County line	29	156		4,402
Chloride	Fully Supporting	FM 287 to Foard County line	25	156		4,402
Chloride	Fully Supporting	Foard County line to Cottle County line	30	156		4,402

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Freshwater Stream | Red River Basin | Total size: 144 Miles

Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
General Use (continued)						
Chloride	Fully Supporting	King County line to end of segment	28	156		4,402
Chloride	Fully Supporting	Lower end of segment to FM 287 in Knox City	32	156		4,402
Sulfate	Fully Supporting	Cottle county line to King County line	29	156		2,076
Sulfate	Fully Supporting	FM 287 to Foard County line	25	156		2,076
Sulfate	Fully Supporting	Foard County line to Cottle County line	30	156		2,076
Sulfate	Fully Supporting	King County line to end of segment	28	156		2,076
Sulfate	Fully Supporting	Lower end of segment to FM 287 in Knox City	32	156		2,076
Total Dissolved Solids	Fully Supporting	Cottle county line to King County line	29	159		9,742
Total Dissolved Solids	Fully Supporting	FM 287 to Foard County line	25	159		9,742
Total Dissolved Solids	Fully Supporting	Foard County line to Cottle County line	30	159		9,742
Total Dissolved Solids	Fully Supporting	King County line to end of segment	28	159		9,742
Total Dissolved Solids	Fully Supporting	Lower end of segment to FM 287 in Knox City	32	159		9,742
Overall General Use	Fully Supporting	Cottle county line to King County line	29			
Overall General Use	Fully Supporting	FM 287 to Foard County line	25			
Overall General Use	Fully Supporting	Foard County line to Cottle County line	30			
Overall General Use	Fully Supporting	King County line to end of segment	28			
Overall General Use	Fully Supporting	Lower end of segment to FM 287 in Knox City	32			
Fish Consumption Use						
Human Health Criteria	Fully Supporting	FM 287 to Foard County line	25	47		
Human Health Criteria	Fully Supporting	Lower end of segment to FM 287 in Knox City	32	47		
Overall Fish Consumption Use	Not Assessed	Cottle county line to King County line	29			
Overall Fish Consumption Use	Fully Supporting	FM 287 to Foard County line	25			
Overall Fish Consumption Use	Not Assessed	Foard County line to Cottle County line	30			
Overall Fish Consumption Use	Not Assessed	King County line to end of segment	28			

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Freshwater Stream | Red River Basin | Total size: 144 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	Fully Supporting	Lower end of segment to FM 287 in Knox City	32			
Overall Use Support						
	Not Supporting	Cottle county line to King County line	29			
	Not Supporting	FM 287 to Foard County line	25			
	Not Supporting	Foard County line to Cottle County line	30			
	Not Supporting	King County line to end of segment	28			
	Fully Supporting	Lower end of segment to FM 287 in Knox City	32			
Nutrient Enrichment Concern						
Ammonia Nitrogen	No Concern	Cottle county line to King County line	29	46	8	
Ammonia Nitrogen	No Concern	FM 287 to Foard County line	25	51	9	
Ammonia Nitrogen	No Concern	Lower end of segment to FM 287 in Knox City	32	53	4	
Nitrite + Nitrate Nitrogen	No Concern	Cottle county line to King County line	29	46	0	
Nitrite + Nitrate Nitrogen	No Concern	FM 287 to Foard County line	25	51	0	
Nitrite + Nitrate Nitrogen	No Concern	Lower end of segment to FM 287 in Knox City	32	53	0	
Orthophosphorus	No Concern	Cottle county line to King County line	29	47	0	
Orthophosphorus	No Concern	FM 287 to Foard County line	25	51	0	
Orthophosphorus	No Concern	Lower end of segment to FM 287 in Knox City	32	53	0	
Total Phosphorus	No Concern	Cottle county line to King County line	29	47	0	
Total Phosphorus	No Concern	FM 287 to Foard County line	25	48	2	
Total Phosphorus	No Concern	Lower end of segment to FM 287 in Knox City	32	54	5	
Overall Nutrient Enrichment Concerns	No Concern	Cottle county line to King County line	29			
Overall Nutrient Enrichment Concerns	No Concern	FM 287 to Foard County line	25			
Overall Nutrient Enrichment Concerns	Not Assessed	Foard County line to Cottle County line	30			

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Nutrient Enrichment Concern (continued)						
Overall Nutrient Enrichment Concerns	Not Assessed	King County line to end of segment	28			
Overall Nutrient Enrichment Concerns	No Concern	Lower end of segment to FM 287 in Knox City	32			
Algal Growth Concern						
Chlorophyll a	Not Assessed	Cottle county line to King County line	29	0		
Chlorophyll a	Not Assessed	FM 287 to Foard County line	25	0		
Chlorophyll a	Not Assessed	Foard County line to Cottle County line	30			
Chlorophyll a	Not Assessed	King County line to end of segment	28			
Chlorophyll a	Not Assessed	Lower end of segment to FM 287 in Knox City	32	8	0	
Sediment Contaminants Concern						
Overall Sediment Contaminant Concerns	Not Assessed	Cottle county line to King County line	29			
Overall Sediment Contaminant Concerns	Not Assessed	FM 287 to Foard County line	25			
Overall Sediment Contaminant Concerns	Not Assessed	Foard County line to Cottle County line	30			
Overall Sediment Contaminant Concerns	Not Assessed	King County line to end of segment	28			
Overall Sediment Contaminant Concerns	Not Assessed	Lower end of segment to FM 287 in Knox City	32			
Fish Tissue Contaminants Concern						
Overall Fish Tissue Contaminant Concerns	Not Assessed	Cottle county line to King County line	29			
Overall Fish Tissue Contaminant Concerns	Not Assessed	FM 287 to Foard County line	25			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Foard County line to Cottle County line	30			

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Fish Tissue Contaminants Concern (continued)						
Overall Fish Tissue Contaminant Concerns	Not Assessed	King County line to end of segment	28			
Overall Fish Tissue Contaminant Concerns	Not Assessed	Lower end of segment to FM 287 in Knox City	32			
Narrative Criteria Concern						
Overall Narrative Criteria Concerns	No Concern	Cottle county line to King County line	29			
Overall Narrative Criteria Concerns	No Concern	FM 287 to Foard County line	25			
Overall Narrative Criteria Concerns	No Concern	Foard County line to Cottle County line	30			
Overall Narrative Criteria Concerns	No Concern	King County line to end of segment	28			
Overall Narrative Criteria Concerns	No Concern	Lower end of segment to FM 287 in Knox City	32			
Overall Secondary Concern						
	No Concern	Cottle county line to King County line	29			
	No Concern	FM 287 to Foard County line	25			
	No Concern	Foard County line to Cottle County line	30			
	No Concern	King County line to end of segment	28			
	No Concern	Lower end of segment to FM 287 in Knox City	32			