

Illinois River at Tahlequah



Sample Record		Biological Collections	Station ID
November 1998 - Current		Gaging Data	121700030010-001AT
Stream Data	County	Cherokee	Request Data By Email
	Location	East of the Town of Tahlequah on US Highway 62	
	Latitude/Longitude	35.92606447, -94.92380373	
	Planning Watershed	Lower Arkansas (8-digit HUC - 11110103)	

	Parameter (<i>Descriptions</i>)	n	Mean	Median	Min./Max	p25/p75	Comments	
Parameters	In-Situ	Water Temperature (°C)	144	17.6	17.3	0.8/31.7	11.0/24.0	
		Turbidity (NTU)	141	7	4	0/84	3/6	
		pH (units)	142	7.88	7.83	6.47/9.29	7.58/8.13	
		Dissolved Oxygen (mg/L)	147	10.06	10.05	4.66/15.88	8.01/11.97	
		Hardness (mg/L)	144	115	114	69/168	106/123	
		Minerals	Total Dissolved Solids (mg/L)	163	170	170	30/565	149/186
	Specific Conductivity (uS/cm)		144	268	271	66/713	240/293	
	Chloride (mg/L)		118	10	10	<10/24	<10/14	
	Sulfate (mg/L)		118	14	13	<10/48	11/16	
	Nutrients	Total Phosphorus (mg/L)	151	0.080	0.066	<0.010/0.438	0.043/0.103	See Notes
		Total Nitrogen (mg/L)	150	1.77	1.71	0.38/3.76	1.19/2.26	
		Nitrate/Nitrite (mg/L)	88	1.53	1.46	0.24/3.61	0.93/1.98	
		Chlorophyll A (mg/m ³)	89	3.1	2.0	<0.1/46.4	1.5/3.1	TSI=41.8
	Bacteria	Enterococcus (cfu/100ml)(* -Geo. Mn.)	64	151	20	<10/2500	<10/100	
		E. Coli (cfu/100ml)(* -Geo. Mn.)	64	61	<10	<10/884	<10/34	

Beneficial Uses	Click to learn more about Beneficial Uses	Turbidity	pH	Dissolved Oxygen	Metals	Sulfates	Nitrates	Chlorides	Total Dissolved Solids	Bacteria	Bio. Fish	Bio. BMI	Sediment	Total Phosphorus
		Fish & Wildlife Propagation	S	S	S	S							S	S
Aesthetics													S	NS
Agriculture						S		S	S					
Primary Body Contact Recreation										S				
Public & Private Water Supply					S		S			S				
Fish Consumption					S									
<i>S = Fully Supporting</i> <i>NS = Not Supporting</i> <i>NEI = Not Enough Information</i>		Notes	92.5%(74 of 80) of 3-month rolling Geo. Mean above OWQS criterion of 0.037 ppm											