

Illinois River at Watts



Sample Record		Biological Collections	Station ID
November 1998 - Current		Gaging Data	121700030350-001AT
Stream Data	County	Adair	Request Data By Email
	Location	North of the Town of Watts on US Highway 59	
	Latitude/Longitude	36.12994064, -94.57151225	
	Planning Watershed	Lower Arkansas (8-digit HUC - 11110103)	

		Parameter (<i>Descriptions</i>)	n	Mean	Median	Min./Max	p25/p75	Comments
		In-Situ		Water Temperature (°C)	145	17.2	16.5	2.0/31.5
	Turbidity (NTU)		141	10	7	1/95	4/12	
	pH (units)		144	7.90	7.92	6.51/9.03	7.72/8.12	
	Dissolved Oxygen (mg/L)		147	10.55	10.22	4.51/18.88	8.70/11.77	
	Hardness (mg/L)		146	127	127	<10/220	116/136	
Minerals		Total Dissolved Solids (mg/L)	164	195	196	95/566	171/215	
		Specific Conductivity (uS/cm)	145	307	310	149/713	273/339	
		Chloride (mg/L)	117	13	13	<10/28	<10/16	
		Sulfate (mg/L)	117	16	15	<10/97	12/19	
Nutrients		Total Phosphorus (mg/L)	150	0.141	0.091	<0.010/1.153	0.057/0.164	See Notes
		Total Nitrogen (mg/L)	149	2.52	2.47	0.84/5.06	2.08/2.87	
		Nitrate/Nitrite (mg/L)	88	2.20	2.20	0.72/3.96	1.71/2.52	
		Chlorophyll A (mg/m ³)	89	3.0	2.3	<0.1/15.3	1.4/3.4	TSI=41.3
Bacteria		Enterococcus (cfu/100ml)(* -Geo. Mn.)	65	559	20	<10/15531	<10/100	Mean>OWQS
		E. Coli (cfu/100ml)(* -Geo. Mn.)	65	368	20	<10/12997	<10/63	Mean>OWQS

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	S	
Aesthetics													S	NS	
Agriculture						S		S	S						
Primary Body Contact Recreation										NS					
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		91.6%(76 of 83) of rolling Geo. Mean exceed OWQS criterion of 0.037 ppm											