

Table 1. Comparison of arithmetic means to the Oklahoma Scenic River total phosphorus criterion calculated from 1999-2025¹ and 2021-2025.

Station (see footnotes)	1999-2025 (6-month AM'S)			2021-2025 (6-month AM'S)		
	N (Period)	N< 0.037	% Exceeding 0.037	N (Period)	N< 0.037	% Exceeding 0.037
Illinois River near Watts ²	445	2	99%	65	1	99%
Illinois River near Tahlequah ²	468	4	99%	67	1	99%
Flint Creek near Kansas ²	430	0	100%	58	0	100%
Barren Fork near Eldon ²	455	164	64%	61	25	59%
Little Lee Creek near Nicut ¹	144	130	10%	25	25	0%
Lee Creek near Short	276	272	1%	26	24	8%
Mountain Fork River near Smithville	240	189	21%	27	21	22%

Table 2. Waters Listed on Oklahoma's 2022 303(d) List

Impaired Waters in the Illinois River Basin

OKWBID	Name	Listed on 303(d) for Impairments
121700020020	Tenkiller Ferry Lake	Dissolved Oxygen, TP
121700020110	Chicken Creek	Fish Bioassessment
121700020220	Tenkiller Ferry Lake, Illinois River Arm	Chlorophyll-a, TP
121700030010	Illinois River – Tahlequah	TP, Enterococcus
121700030040	Tahlequah Creek (Town Branch)	Escherichia coli
121700030080	Illinois River	TP, Lead, Escherichia coli,
121700030280	Illinois River – Chewey Bridge	TP, Escherichia coli, Turbidity, Enterococcus
121700030290	Flint Creek	TP, Dissolved Oxygen
121700030350	Illinois River – Watts	TP, Enterococcus, Escherichia coli
121700030370	Ballard Creek	Enterococcus
121700040010	Caney Creek	Enterococcus, Macroinvertebrates
121700050010	Illinois River – Baron Fork	TP, Enterococcus, Macroinvertebrates
121700050090	Tyner Creek	Dissolved Oxygen
121700060080	Sager Creek	DO, Sedimentation/Siltation, Enterococcus, Macroinvertebrates

Other Notable Impaired Waters in the Compact Area

OKWBID	Name	Listed on 303(d) for Impairments
220100010010	Poteau River (Below Wister)	Silver, Cadmium, Copper, Lead, Selenium, Turbidity
220100020020	Wister Lake	Chlorophyll-a, pH, Dissolved Oxygen, Turbidity TP, Mercury(FC) listed as an NLW in the OWQS
220200050010	Lee Creek	Lead, Enterococcus