Ohio River Weekly Water Quality Report

Week of: 4/4/2025

	PITTSBURGH	WHEELING	HUNTINGTON	CINCINNATI	LOUISVILLE	EVANSVILLE
Temperature	52.5 ˚F	53.0 ˚F	56.5 ˚F	53.8 ˚F	56.7 ˚F	59.0 ˚F
Turbidity (ntu)	4.7	28.0	107.0	97.0	90.0	62.2
pH	7.6	7.8	7.7	7.8	8.0	7.8
River Stage (ft)	12.3 feet	22.4 feet	37.5 feet	45.1 feet	17.7 feet	31.3 feet
River Flow (KCFS)	23.4	76.3	210.3	305.2	320.6	266.9
River Velocity(mph)	1.1 mph	2.7 mph	3.3 mph	4.0 mph	2.9 mph	2.7 mph

2025 Contact Rec Season has begun! Samples collected 4/1/25

E. coli RM and Conc.	River Mile	Conc. (CFU/100mL)	River Mile	Conc. (CFU/100mL)	River Mile	Conc. (CFU/100mL)	River Mile	Conc. (CFU/100mL)	River Mile	Conc. (CFU/100mL)	River Mile	Conc. (CFU/100mL)
E. coli RM and Conc.	1.4	NS	86.8	NS	305.1	292	462.6	517	594.6	12110	791.5	326
E. coli RM and Conc.	4.3	NS	92.8	NS	314.8	384	470.0	365	619.3	18600	793.7	365
							477.5	1120				

NS=No Sample collected

Contact Recreation water quality exceedences are posted in RED.

Ohio River Water Quality Reports are available at the following site:
https://www.orsanco.org/data/weekly-ohio-river-water-quality-report/

Water Temperature – River water temperatures are measured sub-surface at intake depths and may not be refelecteive of the current temperature at the surface.
Turbidity – The measure of light scattering particles in the water that make the water look murky or muddy; the lower the turbidity, the clearer the water. The turbidity of the Ohio River can range from as low as single digits, to 1200 NTUs (nephelometric turbidity units) as seen during flood conditions.

Stage - The measurement of the vertical elevation of the surface of the river.
http://water.weather.gov/ahps2/glance.php?wfo=iln&gage=ccno1&riverid=204624&view=1,1,1,1,1,1

Velocity – How fast the water is moving. Velocities on the Ohio River can range from 0.1 mph under low flow to 5 mph at flood stage.
http://tgftp.nws.noaa.gov/data/raw/fg/fgus51.ktir.rvf.tir.txt

Flow- How much water is moving . The volume of water moving in kilo cubic feet per second. (KCFS) . 1 cubic foot is about the size of a basketball. Based on model-simulated projections at 7am EST. Forecasets include excpected precipitation through the first 48 hours.

Bacteria - Bacteria concentrations in the Ohio River (and tributaries) can change rapidly following rain events. Rain can wash land-based bacteria from the watershed into the river /tributaries. Bacteria can also enter the system following rain events from combined sewer overflows. Full body contact with the river water, i.e., swimming, is not recommended when E. coli concentrations exceed 240 CFU/100mL.

HAB-Harmful Algal Bloom. Cyanobacteria or green algae that may produce toxins and can be detrimental to mammals. Under HAB conditions, direct contact and ingestion are not recommended. More information on HABs can be found at: