

Table 1. Status of Large Rivers Assessment Units (Detail Table)

Assessment Unit Description	Watershed Size (sq. mi.)
Mahoning River Mainstem (downstream Eagle Creek to Pennsylvania Border)	1075.0

Aquatic Life Use Assessment

Sampling Year(s): 1994	AU Total Length (miles):	46.82
Aquatic Life Use(s): WWH	AU Monitored Miles:	45.11
Impairment? Yes	# Sites Sampled:	30
	# Miles Full Attainment:	0.30
	# Miles Partial Attainment:	5.80
	# Miles Non-Attainment:	39.01

Large River AU Attainment Status:	% Attainment (Monitored Miles)		
	Full	Partial	Non
	0.7	12.9	86.4

High Magnitude Causes

Metals
 Nutrients
 Organic Enrichment/DO
 Pathogens
 Priority Organics
 Other Habitat Alterations
 Cause Unknown
 Chlorine

Oil and Grease
 Thermal Modifications

High Magnitude Sources

Combined Sewer Overflow
 Contaminated Sediments
 Dam Construction - Development
 Major Municipal Point Source
 Spills
 Urban Runoff/Storm Sewers (NPS)
 Flow Reg/Mod - Development
 Hazardous Wastes
 Minor Industrial Point Source
 Source Unknown

Recreation Use Assessment

of Samples w/ an Ohio WQS Violation of the Secondary Contact Recreation Maximum Criterion

>5000 colonies/100 ml. fecal coliform bacteria: 15

>576 colonies/100 ml. E. coli bacteria): 14

Sites in AU w/ Bacteria Violations: 2

Total # Bacteria Sites in AU: 2

Other: A "Dermal Contact Advisory" is in effect for the Mahoning River due to PAHs and PCBs contamination. The area under the advisory is from NW Bridge Rd. in Warren to the Pennsylvania border.

Impairment? Yes

Fish Consumption Assessment

A "Do Not Eat" Fish Consumption Advisory is in effect for the Mahoning River (Channel Catfish, Carp). The area under the advisory is from NW Bridge Rd. in Warren to the Pennsylvania border. Additionally, a "One Meal per Month" advisory is in effect (Walleye), and a "One Meal per Week" advisory (White Crappie) for the same stretch of the river. Lastly, a "One Meal per Month" advisory is in effect (Smallmouth Bass) from Berlin Lake Dam to the Pennsylvania border.

Integrated Report Assessment Category: 5 Priority Points: 9 Scheduled Monitoring: 2008

Severe sediment and water column contamination is present in the Mahoning River from Warren to the Pennsylvania border. Biological communities are impaired throughout this reach of the river. This is one of the few rivers in the state that has a "Do Not Eat" fish consumption advisory issued by the Ohio Department of Health. Additionally, a "Dermal Contact Advisory" is in effect. A TMDL for bacteria will be prepared by the USEPA for the Mahoning River mainstem (Duck Creek to the Shenango River) in 2003. In addition, a major ACOE dredging project is under evaluation for the mainstem.