

**Ohio EPA 2002 Integrated Report Appendix C
Assessment Unit (AU) Summaries**

HUC11	AU Description	AU Size (mi2)
05030103 030	Mahoning River (downstream Berlin Dam to downstream West Branch)	167.1

Aquatic Life Use Assessment

Sampling Year(s): 1994

Sampling Site Size Distribution (mi2)

Aquatic Life Use(s): WWH

# Sites Sampled:	<u><5</u>	<u>5-20</u>	<u>20-50</u>	<u>>50</u>
	0	0	0	7

Impairment? Yes

% Attainment

	<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):	0.0	0.0	0.0
Large Streams/Rivers (sites w/>50 mi2 drainage):	0.0	49.0	51.0

AU Score
(relative amount of attainment)

Weighted AU Score
(relative amount of attainment weighted by AU size)

<u>Full</u>	<u>Partial</u>	<u>Non</u>
0.00	0.49	0.51

<u>Full</u>	<u>Partial</u>	<u>Non</u>
0.0	81.9	85.2

High Magnitude Causes

High Magnitude Sources

Organic Enrichment/DO
Flow Alteration
Other Habitat Alterations
Suspended Solids
Turbidity

Channelization - Development
Dam Construction - Development
Flow Reg./Mod. - Development

Recreation Use Assessment

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

>5000 colonies/100 ml. fecal coliform bacteria:

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

Sites in AU w/ Bacteria Violations: 0

Total # Bacteria Sites in AU: 6

Other:

Impairment? No

Fish Consumption Assessment

A "One Meal per Month" Fish Consumption Advisory is in effect for the Mahoning River (Smallmouth Bass) due to PCBs and Mercury contamination. The area under the advisory is from Berlin Dam to the Pennsylvania border.

Integrated Report Assessment Category: 5 Priority: 2 Scheduled Monitoring: 2008

A TMDL for bacteria will be prepared by the USEPA for the Mahoning River mainstem (Duck Creek to the Shenango River) in 2003.