

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

HUC11	AU Description	AU Size (mi2)
05030103 040	Mahoning River (downstream West Branch to upstream Duck Creek)	126.9

Aquatic Life Use Assessment

Sampling Year(s): 1994, 1999

Sampling Site Size Distribution (mi2)

Aquatic Life Use(s): CWH,WWH

# Sites Sampled:	<u><5</u>	<u>5-20</u>	<u>20-50</u>	<u>>50</u>
	0	4	0	2

Impairment? Yes

% Attainment

	<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):	75.0	25.0	0.0
Large Streams/Rivers (sites w/>50 mi2 drainage):	37.4	0.0	62.6

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>
0.56	0.13	0.31

<u>Full</u>	<u>Partial</u>	<u>Non</u>
71.3	15.9	39.7

High Magnitude Causes

Organic Enrichment/DO
Other Habitat Alterations
Natural Limits (Wetlands)

High Magnitude Sources

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

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:

Total # Bacteria Sites in AU: 0

Other:

Impairment? Unknown

Fish Consumption Assessment

Integrated Report Assessment Category: 4C Priority: 3 Scheduled Monitoring: 2008

Only biological reference sites within this assessment unit have been sampled since 1987. A TMDL for bacteria will be prepared by the USEPA for the Mahoning River mainstem (Duck Creek to the Shenango River) in 2003.