

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

HUC11	AU Description	AU Size (mi2)
05090202 010	Little Miami River (headwaters to upstream Massies Creek)	129.6

Aquatic Life Use Assessment

Sampling Year(s): 1998

Sampling Site Size Distribution (mi2)

Aquatic Life Use(s): EWH,WWH

# Sites Sampled:	<u><5</u>	<u>5-20</u>	<u>20-50</u>	<u>>50</u>
	3	8	3	4

Impairment? Yes

% Attainment

	<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):	74.0	9.4	16.6
Large Streams/Rivers (sites w/>50 mi2 drainage):	0.0	54.2	45.8

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>
0.37	0.32	0.31

<u>Full</u>	<u>Partial</u>	<u>Non</u>
47.9	41.2	40.5

High Magnitude Causes

High Magnitude Sources

Metals
Unionized Ammonia
Nutrients
Organic Enrichment/DO
Flow Alteration
Other Habitat Alterations
Pathogens

Minor Municipal Point Source
Nonirrigated Crop Production
Range Grazing - Riparian Manure Lagoons
Channelization - Agriculture
Removal of Riparian Vegetation - Ag.
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: 2

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

Sites in AU w/ Bacteria Violations: 2

Total # Bacteria Sites in AU: 17

Other:

Impairment? Indeterminate

Fish Consumption Assessment

A "One Meal per Month" Fish Consumption Advisory is in effect for the Little Miami River (Sauger). The area under the advisory includes the entire length of the river. Additionally, a "One Meal per Week" advisory is in effect (Channel Catfish, Smallmouth Bass).

Integrated Report Assessment Category: 4A Priority: Scheduled Monitoring: 2012

A TMDL was completed and approved by the USEPA in 2002. Monitoring in support of the TMDL was conducted in 1998.