

Ohio EPA 2002 Integrated Report Appendix C

Assessment Unit (AU) Summaries

HUC11	AU Description	AU Size (mi2)
05090202 020	Little Miami River (upstream Massies Creek to downstream Beaver Creek)	165.5

Aquatic Life Use Assessment

Sampling Year(s): 1998

Sampling Site Size Distribution (mi2)

Aquatic Life Use(s): EWH,WWH

	<5	5-20	20-50	>50
# Sites Sampled:	2	11	7	2

Impairment? Yes

% Attainment

	Full	Partial	Non
Small Streams (sites w/<50 mi2 drainage):	47.6	21.4	31.0
Large Streams/Rivers (sites w/>50 mi2 drainage):	71.0	16.0	13.0

AU Score
(relative amount of attainment)

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

Full	Partial	Non
0.59	0.19	0.22

Full	Partial	Non
98.1	31.0	36.4

High Magnitude Causes

Cause Unknown Oil and Grease
Unknown Toxicity Natural Limits (Wetlands)
Metals
Unionized Ammonia
Nutrients
Siltation
Other Habitat Alterations
Pathogens

High Magnitude Sources

Major Industrial Point Source Spills
Major Municipal Point Source
Nonirrigated Crop Production
Pasture Land
Urban Runoff/Storm Sewers (NPS)
Onsite Wastewater Systems (Septic Tanks)
Channelization - Agriculture
Channelization - 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: 3

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

Sites in AU w/ Bacteria Violations: 3

Total # Bacteria Sites in AU: 23

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.