

Ohio EPA 2002 Integrated Report Appendix C

Assessment Unit (AU) Summaries

HUC11	AU Description	AU Size (mi2)
05080002 090	Great Miami River (downstream Fourmile Creek to mouth); excluding Indian Creek and GMR mainstem	166.2

Aquatic Life Use Assessment

Sampling Year(s): 1991, 1995, 1999, 2000

Sampling Site Size Distribution (mi2)

Aquatic Life Use(s): WWH

Sites Sampled:

<5	5-20	20-50	>50
6	6	0	0

Impairment? Yes

% Attainment

Small Streams (sites w/<50 mi2 drainage):

Large Streams/Rivers (sites w/>50 mi2 drainage):

Full	Partial	Non
58.3	25.0	16.7
0.0	0.0	0.0

AU Score
(relative amount of attainment)

Full	Partial	Non
0.58	0.25	0.17

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

Full	Partial	Non
96.9	41.6	27.7

High Magnitude Causes

Cause Unknown
Flow Alteration
Other Habitat Alterations

High Magnitude Sources

Land Development/Suburbanization
Urban Runoff/Storm Sewers (NPS)
Removal of Riparian Vegetation - Dev.
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

A "One Meal per Month" Fish Consumption Advisory is in effect for the Hamilton Hydraulic Canal (Channel Catfish, Carp). The area under the advisory is from the Power Plant Spillway in Hamilton to the Great Miami River.

Integrated Report Assessment Category: 5

Priority: 4

Scheduled Monitoring: 2011

Recent tributary data within this watershed is sparse. Paddys Run was sampled recently, but all other tributaries (Taylor Creek basin) have data which are over 10 years old. One biological reference site on Bluerock Creek was sampled in 1996.