

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

<b>HUC11</b>	<b>AU Description</b>	<b>AU Size (mi2)</b>
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:	6	6	0	0
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Impairment? Yes

% Attainment

	<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):	58.3	25.0	16.7
Large Streams/Rivers (sites w/>50 mi2 drainage):	0.0	0.0	0.0

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>
0.58	0.25	0.17

<u>Full</u>	<u>Partial</u>	<u>Non</u>
96.9	41.6	27.7

High Magnitude Causes

High Magnitude Sources

Cause Unknown  
Flow Alteration  
Other Habitat Alterations

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.