

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

<b>HUC11</b>	<b>AU Description</b>	<b>AU Size (mi2)</b>
05090202 030	Little Miami River (downstream Beaver Creek to upstream Caesar Creek)	119.2

**Aquatic Life Use Assessment**

Sampling Year(s): 1998

Sampling Site Size Distribution (mi2)

		<u>&lt;5</u>	<u>5-20</u>	<u>20-50</u>	<u>&gt;50</u>
Aquatic Life Use(s): EWH,WWH	# Sites Sampled:	3	6	1	10

Impairment? Yes

% Attainment

		<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):		95.8	0.0	4.2
Large Streams/Rivers (sites w/>50 mi2 drainage):		29.4	70.6	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>
0.63	0.35	0.02

<u>Full</u>	<u>Partial</u>	<u>Non</u>
74.6	42.1	2.5

High Magnitude Causes

High Magnitude Sources

Unionized Ammonia  
Chlorine  
Nutrients  
Organic Enrichment/DO  
Flow Alteration  
Suspended Solids

Major Municipal Point Source  
Minor Municipal Point Source  
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: 0

Total # Bacteria Sites in AU: 8

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.