

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

<b>HUC11</b>	<b>AU Description</b>	<b>AU Size (mi2)</b>
05090203 020	Ohio River tributaries (downstream Little Miami R. to upstream Great Miami R.); excluding Mill Creek	48.6

**Aquatic Life Use Assessment**

Sampling Year(s): 1991, 1994

Sampling Site Size Distribution (mi2)

Aquatic Life Use(s): WWH,LRW

# Sites Sampled:	<u>&lt;5</u>	<u>5-20</u>	<u>20-50</u>	<u>&gt;50</u>
	1	3	0	0

Impairment? Yes

% Attainment

	<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):	16.7	0.0	83.3
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>
0.17	0.00	0.83

<u>Full</u>	<u>Partial</u>	<u>Non</u>
8.1	0.0	40.5

High Magnitude Causes

High Magnitude Sources

Unionized Ammonia  
Organic Enrichment/DO  
Flow Alteration  
Direct Habitat Alterations

Combined Sewer Overflows  
Dredging - Development  
Streambank Destabilization - 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**

**Integrated Report Assessment Category: 5      Priority: 1      Scheduled Monitoring: 2011**

Muddy Creek, Rapid Run and Wulff Run were included on the 1998 303(d) list based on data from 1991. Since these data are no longer current (i.e., more than 10 years old), reassessment of current conditions is warranted. However, recognizing the continued pervasive impacts related to sewer line construction within stream channels, retaining the Assessment Unit on the 303(d) list is appropriate. Limited additional data collected in 1994 were used to supplement the assessment of this AU.