

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

HUC11	AU Description	AU Size (mi2)
05030106 110	Ohio River tributaries (downstream McMahon Creek to downstream Fish Creek [WV])	229.8

Aquatic Life Use Assessment

Sampling Year(s): 1996, 1998, 2000

Sampling Site Size Distribution (mi2)

Aquatic Life Use(s): EWH,WWH,LRW

Sites Sampled:

<5	5-20	20-50	>50
2	2	3	7

Impairment? Yes

% Attainment

	<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):	58.3	29.2	12.5
Large Streams/Rivers (sites w/>50 mi2 drainage):	95.8	4.2	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>
0.77	0.17	0.06

<u>Full</u>	<u>Partial</u>	<u>Non</u>
177.2	38.4	14.2

High Magnitude Causes

High Magnitude Sources

Cause Unknown
Flow Alteration

Natural
Source Unknown

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

Integrated Report Assessment Category: 5 Priority: 4 Scheduled Monitoring: 2010

There are numerous biological reference sites on Captina Creek and several tributaries within the watershed. The mainstem coverage is adequate to assess water quality, but many tributaries have never been sampled. The smaller Ohio River tributaries have not been sampled since 1983.