

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

HUC11	AU Description	AU Size (mi2)
05030201 100	Little Muskingum River (upstream Clear Fork to mouth)	165.7

Aquatic Life Use Assessment

Sampling Year(s): 1996, 2000

Sampling Site Size Distribution (mi2)

Aquatic Life Use(s): EWH,WWH

# Sites Sampled:	<5	5-20	20-50	>50
	12	14	2	7

Impairment? Yes

% Attainment

	<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):	100.0	0.0	0.0
Large Streams/Rivers (sites w/>50 mi2 drainage):	54.3	42.8	2.9

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	0.21	0.02

<u>Full</u>	<u>Partial</u>	<u>Non</u>
127.8	35.5	2.4

High Magnitude Causes

High Magnitude Sources

Nutrients
Siltation
Flow Alteration

Nonirrigated Crop Production
Pasture Land
Onsite Wastewater Systems (Septic Tanks)

Recreation Use Assessment

of Samples w/ an Ohio WQS Violation of the Secondary Contact Recreation Maximum Criterion

>5000 colonies/100 ml. fecal coliform bacteria: 1

>576 colonies/100 ml. E. coli bacteria):

Sites in AU w/ Bacteria Violations: 1

Total # Bacteria Sites in AU: 3

Other:

Impairment? Indeterminate

Fish Consumption Assessment

A "One Meal per Month" Fish Consumption Advisory is in effect for Little Muskingum River (Spotted Bass). The area under the advisory is from Hill's Covered Bridge to the Ohio River.

Integrated Report Assessment Category: 5 Priority: 6 Scheduled Monitoring: 2010

An intensive biological and water quality survey was conducted in the Little Muskingum River watershed in 2000.