

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

HUC11	AU Description	AU Size (mi2)
05080001 180	Mad River (downstream Chapman Creek to upstream Mud Creek); excluding Buck Cr. and Mad R. mainstem	128.2

Aquatic Life Use Assessment

Sampling Year(s): 1991, 1992, 1994

Sampling Site Size Distribution (mi2)

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

Sites Sampled:

<5	5-20	20-50	>50
2	4	0	6

Impairment? Yes

% Attainment

	<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):	0.0	0.0	100.0
Large Streams/Rivers (sites w/>50 mi2 drainage):	0.0	72.5	27.5

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>
0.00	0.36	0.64

<u>Full</u>	<u>Partial</u>	<u>Non</u>
0.0	46.5	81.7

High Magnitude Causes

High Magnitude Sources

Siltation
Organic Enrichment/DO
Flow Alteration
Other Habitat Alterations

Combined Sewer Overflow
Channelization - Agriculture
Habitat Modifications o/than hydromod.
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: 1

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

Sites in AU w/ Bacteria Violations: 1

Total # Bacteria Sites in AU: 1

Other:

Impairment? Indeterminate

Fish Consumption Assessment

A "One Meal per Month" Fish Consumption Advisory is in effect for the Mad River (Carp, Largemouth Bass). The area under the advisory is from U.S. Rt. 36 in Urbana to the mouth in Dayton. Additionally, a "One Meal per Week" advisory (White Sucker) is in effect for the same stretch of the river.

Integrated Report Assessment Category: 5

Priority: 2

Scheduled Monitoring: 2003