

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

HUC11	AU Description	AU Size (mi2)
05060001 180	Walnut Creek (downstream Sycamore Creek to mouth)	147.5

Aquatic Life Use Assessment

Sampling Year(s): 1996

Sampling Site Size Distribution (mi2)

		<u><5</u>	<u>5-20</u>	<u>20-50</u>	<u>>50</u>
Aquatic Life Use(s): EWH,WWH,MWH-C	# Sites Sampled:	9	7	1	16

Impairment? Yes

% Attainment

		<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):		29.0	9.9	61.1
Large Streams/Rivers (sites w/>50 mi2 drainage):		96.6	0.0	3.4

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	0.05	0.32

<u>Full</u>	<u>Partial</u>	<u>Non</u>
92.6	7.4	47.5

High Magnitude Causes

High Magnitude Sources

- Cause Unknown
- Unknown Toxicity
- Siltation
- Flow Alteration
- Other Habitat Alterations

- Nonirrigated Crop Production
- Land Development/Suburbanization
- Urban Runoff/Storm Sewers (NPS)
- Channelization - Development
- 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: 9

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

Sites in AU w/ Bacteria Violations: 7

Total # Bacteria Sites in AU: 25

Other:

Impairment? Yes

Fish Consumption Assessment

A "One Meal per Month" Fish Consumption Advisory is in effect for Walnut Creek (Channel Catfish). The area under the advisory includes the entire length of the stream.

Integrated Report Assessment Category: 5

Priority: 11

Scheduled Monitoring: 2005