

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

<b>HUC11</b>	<b>AU Description</b>	<b>AU Size (mi2)</b>
05060001 170	Walnut Creek (headwaters to downstream Sycamore Creek)	138.0

**Aquatic Life Use Assessment**

Sampling Year(s): 1996

Sampling Site Size Distribution (mi2)

Aquatic Life Use(s): EWH,WWH

# Sites Sampled:	<u>&lt;5</u>	<u>5-20</u>	<u>20-50</u>	<u>&gt;50</u>
	2	16	2	7

Impairment? Yes

% Attainment

	<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):	84.4	15.6	0.0
Large Streams/Rivers (sites w/>50 mi2 drainage):	92.0	0.0	8.0

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>
0.88	0.08	0.04

<u>Full</u>	<u>Partial</u>	<u>Non</u>
121.7	10.8	5.5

High Magnitude Causes

High Magnitude Sources

Cause Unknown  
Mercury  
Organic Enrichment/DO  
Flow Alteration

Major Industrial Point Source  
Land Development/Suburbanization  
Urban Runoff/Storm Sewers (NPS)  
Spills  
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: 4

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

# Sites in AU w/ Bacteria Violations: 3

Total # Bacteria Sites in AU: 27

Other:

Impairment? Indeterminate

**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: 4**

**Scheduled Monitoring: 2005**