

Ohio EPA 2002 Integrated Report Appendix C

Assessment Unit (AU) Summaries

HUC11	AU Description	AU Size (mi2)
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:

<5	5-20	20-50	>50
2	16	2	7

Impairment? Yes

% Attainment

Small Streams (sites w/<50 mi2 drainage):

Large Streams/Rivers (sites w/>50 mi2 drainage):

Full	Partial	Non
84.4	15.6	0.0
92.0	0.0	8.0

AU Score
(relative amount of attainment)

Full	Partial	Non
0.88	0.08	0.04

Weighted AU Score
(relative amount of attainment weighted by AU size)

Full	Partial	Non
121.7	10.8	5.5

High Magnitude Causes

Cause Unknown
Mercury
Organic Enrichment/DO
Flow Alteration

High Magnitude Sources

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