

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

HUC11	AU Description	AU Size (mi2)
05060001 130	Big Walnut Creek (headwaters to Hoover Dam)	189.6

Aquatic Life Use Assessment

Sampling Year(s): 2000

Sampling Site Size Distribution (mi2)

Aquatic Life Use(s): WWH

# Sites Sampled:	<5	5-20	20-50	>50
	16	15	3	3

Impairment? Yes

% Attainment

	<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):	36.2	8.0	55.8
Large Streams/Rivers (sites w/>50 mi2 drainage):	100.0	0.0	0.0

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>
0.68	0.04	0.28

<u>Full</u>	<u>Partial</u>	<u>Non</u>
129.1	7.6	52.9

High Magnitude Causes

High Magnitude Sources

Cause Unknown Suspended Solids
 Unionized Ammonia Pathogens
 Nutrients
 Siltation
 Organic Enrichment/DO
 Flow Alteration
 Other Habitat Alterations

Nonirrigated Crop Production
 Land Development/Suburbanization
 Urban Runoff/Storm Sewers (NPS)
 Onsite Wastewater Systems (Septic Tanks)
 Septage Disposal
 Hydromodification - Agriculture
 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: 8

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

Sites in AU w/ Bacteria Violations: 6

Total # Bacteria Sites in AU: 43

Other:

Impairment? Yes

Fish Consumption Assessment

Integrated Report Assessment Category: 5 Priority: 10 Scheduled Monitoring: 2010

A TMDL is in progress for the Big Walnut Creek watershed. Monitoring in support of the TMDL was conducted in 2000.