

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

<b>HUC11</b>	<b>AU Description</b>	<b>AU Size (mi2)</b>
05060001 150	Alum Creek (headwaters to Alum Creek Dam)	121.8

**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
	2	8	2	2

Impairment? Yes

% Attainment

	<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):	37.5	43.8	18.7
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>
0.69	0.22	0.09

<u>Full</u>	<u>Partial</u>	<u>Non</u>
83.8	26.6	11.4

High Magnitude Causes

High Magnitude Sources

Cause Unknown  
Nutrients  
Flow Alteration  
Other Habitat Alterations

Nonirrigated Crop Production  
Natural  
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: 6

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

# Sites in AU w/ Bacteria Violations: 6

Total # Bacteria Sites in AU: 18

Other:

Impairment? Yes

**Fish Consumption Assessment**

**Integrated Report Assessment Category: 5      Priority: 11      Scheduled Monitoring: 2010**

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