

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

<b>HUC11</b>	<b>AU Description</b>	<b>AU Size (mi2)</b>
05040001 050	Nimishillen Creek	187.9

**Aquatic Life Use Assessment**

Sampling Year(s): 1998

Sampling Site Size Distribution (mi2)

Aquatic Life Use(s): WWH,MWH-C,LRW

# Sites Sampled:

<5	5-20	20-50	>50
4	6	9	8

Impairment? Yes

% Attainment

	<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):	36.1	27.8	36.1
Large Streams/Rivers (sites w/>50 mi2 drainage):	0.0	61.9	38.1

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>
0.18	0.45	0.37

<u>Full</u>	<u>Partial</u>	<u>Non</u>
34.0	84.2	69.7

High Magnitude Causes

High Magnitude Sources

Cause Unknown      Flow Alteration  
Metals                  Pathogens  
Zinc  
Unionized Ammonia  
Nutrients  
pH  
Organic Enrichment/DO  
Thermal Modifications

Major Industrial Point Source  
Minor Industrial Point Source  
Major Municipal Point Source  
Nonirrigated Crop Production  
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): 3

# Sites in AU w/ Bacteria Violations: 4

Total # Bacteria Sites in AU: 23

Other:

Impairment? Yes

**Fish Consumption Assessment**

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

**Integrated Report Assessment Category: 5**

**Priority: 9**

**Scheduled Monitoring: 2003**