

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

HUC11	AU Description	AU Size (mi2)
05030201 110	East Fork Duck Creek	136.2

Aquatic Life Use Assessment

Sampling Year(s): 1998, 2000

Sampling Site Size Distribution (mi2)

Aquatic Life Use(s): WWH,LWH

# Sites Sampled:	<5	5-20	20-50	>50
	39	7	4	4

Impairment? Yes

% Attainment

	<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):	56.6	24.1	19.3
Large Streams/Rivers (sites w/>50 mi2 drainage):	88.0	12.0	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>
0.72	0.18	0.10

<u>Full</u>	<u>Partial</u>	<u>Non</u>
98.5	24.5	13.2

High Magnitude Causes

High Magnitude Sources

Cause Unknown
Metals
Siltation
Organic Enrichment/DO
Flow Alteration
Other Habitat Alterations
Suspended Solids
Total Toxics

Pasture Land
Highway/Road/Bridge/Sewer Line
Urban Runoff/Storm Sewers (NPS)
Surface Mining
Acid Mine Drainage
Onsite Wastewater Systems (Septic Tanks)
Bridge Construction
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: 3

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

Sites in AU w/ Bacteria Violations: 3

Total # Bacteria Sites in AU: 23

Other:

Impairment? Indeterminate

Fish Consumption Assessment

Integrated Report Assessment Category: 5 Priority: 3 Scheduled Monitoring: 2010

A TMDL is in progress for the Duck Creek basin. Monitoring in support of the TMDL was conducted in 2000.