

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

HUC11	AU Description	AU Size (mi2)
05030201 120	Duck Creek; West Fork Duck Creek	149.6

Aquatic Life Use Assessment

Sampling Year(s): 1997, 1998, 2000

Sampling Site Size Distribution (mi2)

Aquatic Life Use(s): WWH,LRW LWH

# Sites Sampled:	<5	5-20	20-50	>50
	36	3	2	17

Impairment? Yes

% Attainment

	<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):	86.1	9.8	4.1
Large Streams/Rivers (sites w/>50 mi2 drainage):	93.0	3.0	4.0

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>
0.90	0.06	0.04

<u>Full</u>	<u>Partial</u>	<u>Non</u>
134.0	9.6	6.0

High Magnitude Causes

High Magnitude Sources

Unknown Toxicity
Siltation
Organic Enrichment/DO
Flow Alteration

Urban Runoff/Storm Sewers (NPS)
Surface Mining
Onsite Wastewater Systems (Septic Tanks)
Upstream Impoundment
Flow Reg./Mod. - Development
Spills

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: 4

Total # Bacteria Sites in AU: 28

Other:

Impairment? Indeterminate

Fish Consumption Assessment

Integrated Report Assessment Category: 5 Priority: 2 Scheduled Monitoring: 2010

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