

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

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

Impairment? Yes

% Attainment

	Full	Partial	Non
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)

Full	Partial	Non
0.90	0.06	0.04

Full	Partial	Non
134.0	9.6	6.0

High Magnitude Causes

Unknown Toxicity
Siltation
Organic Enrichment/DO
Flow Alteration

High Magnitude Sources

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.