

# 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)

	<5	5-20	20-50	>50
Aquatic Life Use(s): WWH,LWH				
# Sites Sampled:	39	7	4	4

Impairment? Yes

% Attainment

	Full	Partial	Non
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)

Full	Partial	Non
0.72	0.18	0.10

Full	Partial	Non
98.5	24.5	13.2

#### High Magnitude Causes

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

#### High Magnitude Sources

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.