

Ohio EPA 2004 Integrated Report Appendix D.2 Watershed Assessment Unit (WAU) Summaries

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

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

Aquatic Life Use Assessment

Subcategories of ALU: WWH,LRW LWH

Sampling Year(s): 1997, 1998, 2000

Impairment: Yes

Stream Size Category	Raw Data		% Attainment			WAU Score		
	Data Available	No. Attaining	Full	Partial	Non	Full	Partial	Non
Small (Spatial)								
< 5 mi ²	36 Sites	28 Sites						
5-20 mi ²	3 Sites	2 Sites	86.1	9.8	4.1			
20-50 mi ²	2 Sites	2 Sites						
						90	6	4
Large (Linear)								
50-500 mi ²	50.4 Miles	46.9 Miles	93.0	3.0	4.0			

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

Subcategory of Use: Primary Contact

Impairment: No

Geometric Mean: 202

No. Ambient Sites: 25

No. Ambient Sampling Records: 162

75th %ile: 410

No. of NPDES MOR Sites: 1

No. of NPDES MOR Records: 37

90th %ile: 1062

Other:

Fish Consumption Advisory (FCA) Assessment

Waters Within the WAU Sampled and Assessed: Yes

FCA Issued: Yes

(See the 2004 Ohio FCA for more detailed information at "www.epa.state.oh.us/dsw/fishadvisory/index.html")

Impairment Due to FCA: Yes

Pollutant (Waterbody): PCBs, DDT/DDE/DDD (Duck Creek)

Comments

TMDLs for pollutants impairing the aquatic life beneficial use in the Duck Creek watershed were approved by the U.S. EPA on September 23, 2003. Monitoring in support of the TMDL was conducted in 2000. The TMDL report is available at <http://www.epa.state.oh.us/dsw/tmdl/index.html>. Besides the historical aquatic life use impairment, the 2004 Integrated Report assessment of fish tissue data documented body burdens of one or more pollutants at levels exceeding the threshold level upon which Ohio Water Quality Standards human health criteria are based which resulted in listing as impaired for fish consumption.