

Ohio EPA 2002 Integrated Report Appendix C

Assessment Unit (AU) Summaries

HUC11	AU Description	AU Size (mi2)
05080002 050	Great Miami River (downstream Twin Creek to upstream Fourmile Creek); excluding GMR mainstem	189.2

Aquatic Life Use Assessment

Sampling Year(s): 2000

Sampling Site Size Distribution (mi2)

	<5	5-20	20-50	>50
Aquatic Life Use(s): EWH,WWH,MWH-C				
# Sites Sampled:	1	10	9	0

Impairment? Yes

% Attainment

	Full	Partial	Non
Small Streams (sites w/<50 mi2 drainage):	42.8	27.2	30.0
Large Streams/Rivers (sites w/>50 mi2 drainage):	0.0	0.0	0.0

AU Score
(relative amount of attainment)

Weighted AU Score
(relative amount of attainment weighted by AU size)

Full	Partial	Non
0.43	0.27	0.30

Full	Partial	Non
81.0	51.5	56.7

High Magnitude Causes

High Magnitude Sources

Priority Organics
Metals
Copper
Zinc
Selenium
Nickel
Unionized Ammonia
Nutrients

pH
Siltation
Organic Enrichment/ DO
Salinity/TDS/Chlorides
Flow Alterations
Suspended Solids

Industrial Point Sources
Combined Sewer OverflowS
Nonirrigated Crop Production
Land Development/Suburbanization
Urban Runoff/Storm Sewers (NPS)
Landfills
Spills
Natural

Recreation Use Assessment

of Samples w/ an Ohio WQS Violation of the Secondary Contact Recreation Maximum Criterion

>5000 colonies/100 ml. fecal coliform bacteria:

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

Sites in AU w/ Bacteria Violations:

Total # Bacteria Sites in AU: 0

Other: A "Dermal Contact Advisory" is in effect for Dicks Creek due to PCBs contamination. The area under the advisory is from Oxford St. in Middletown to the Great Miami River.

Impairment? Yes

Fish Consumption Assessment

A "Do Not Eat" Fish Consumption Advisory is in effect for Dicks Creek (all species) due to PCBs contamination. The area under the advisory is from Oxford St. in Middletown to the Great Miami River.

Integrated Report Assessment Category: 5

Priority: 4

Scheduled Monitoring: 2009