

Ohio EPA 2002 Integrated Report Appendix C

Assessment Unit (AU) Summaries

HUC11	AU Description	AU Size (mi2)
05090202 140	Little Miami River (downstream O'Bannon Creek to mouth); excluding East Fork LMR 112.4 and LMR mainstem	

Aquatic Life Use Assessment

Sampling Year(s): 1991, 1994, 1998

Sampling Site Size Distribution (mi2)

Aquatic Life Use(s): WWH,LRW

Sites Sampled:

<5	5-20	20-50	>50
5	5	2	0

Impairment? Yes

% Attainment

	Full	Partial	Non
Small Streams (sites w/<50 mi2 drainage):	10.0	55.0	35.0
Large Streams/Rivers (sites w/>50 mi2 drainage):	0.0	0.0	0.0

AU Score
(relative amount of attainment)

Full	Partial	Non
0.10	0.55	0.35

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

Full	Partial	Non
11.2	61.8	39.4

High Magnitude Causes

Unknown Toxicity
Siltation
Organic Enrichment/DO
Flow Alteration
Other Habitat Alterations

High Magnitude Sources

Minor Industrial Point Source
Major Municipal Point Source
Combined Sewer Overflows
Sewer Line Construction
Other Urban Runoff
Dredging - Development
Streambank Destabilization - Dev.

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:

Impairment? Unknown

Fish Consumption Assessment

Integrated Report Assessment Category: 5 Priority: 2 Scheduled Monitoring: 2007

Dry Run, East Branch Polk Run, and an unnamed tributary to Sycamore Creek were included on the 1998 303(d) list based on data collected in 1991. Since these data are no longer current (i.e., more than 10 years old), reassessment of current conditions is warranted. However, recognizing the continued pervasive impacts related to sewer line construction within stream channels, retaining the Assessment Unit on the 303(d) list is appropriate. Limited additional data collected in 1994