

**Ohio EPA 2002 Integrated Report Appendix C
Assessment Unit (AU) Summaries**

HUC11	AU Description	AU Size (mi2)
05030101 090	Little Beaver Creek (downstream Middle and West Forks to mouth)	140.1

Aquatic Life Use Assessment

Sampling Year(s): 1999

Sampling Site Size Distribution (mi2)

Aquatic Life Use(s): EWH,WWH,LRW

# Sites Sampled:	<u><5</u>	<u>5-20</u>	<u>20-50</u>	<u>>50</u>
	9	14	1	8

Impairment? Yes

% Attainment

	<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):	79.9	5.4	14.7
Large Streams/Rivers (sites w/>50 mi2 drainage):	100.0	0.0	0.0

AU Score (relative amount of attainment)		
<u>Full</u>	<u>Partial</u>	<u>Non</u>
0.90	0.03	0.07

Weighted AU Score (relative amount of attainment weighted by AU size)		
<u>Full</u>	<u>Partial</u>	<u>Non</u>
125.9	3.8	10.4

High Magnitude Causes

- Unionized Ammonia
- Nutrients
- Siltation
- Organic Enrichment/DO
- Flow Alteration
- Other Habitat Alterations
- Pathogens
- Natural Limits (Wetlands)

High Magnitude Sources

- Major Industrial Point Source
- Combined Sewer Overflows
- Pasture Land
- Surface Mining
- Subsurface Mining
- Channelization - Development
- Removal of Riparian Vegetation - Development
- 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: 4

>576 colonies/100 ml. E. coli bacteria): 2

Sites in AU w/ Bacteria Violations: 3

Total # Bacteria Sites in AU: 29

Other:

Impairment? Indeterminate

Fish Consumption Assessment

A "One Meal per Month" Fish Consumption Advisory is in effect for Little Beaver Creek (Carp, Sauger). The area under the advisory includes the entire length of the stream. Additionally, a "One Meal per 2 Months" advisory is in effect (Channel Catfish).

Integrated Report Assessment Category: 5 Priority: 4 Scheduled Monitoring: 2008

Development of a TMDL for the Little Beaver Creek basin will begin in 2003. Intensive monitoring in support of the TMDL was conducted in the watershed in 1999.