

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

HUC11	AU Description	AU Size (mi2)
05120101 030	Beaver Creek (downstream Grand Lake St. Marys Dam to mouth)	58.6

Aquatic Life Use Assessment

Sampling Year(s): 1999

Sampling Site Size Distribution (mi2)

Aquatic Life Use(s): WWH

# Sites Sampled:	<u><5</u>	<u>5-20</u>	<u>20-50</u>	<u>>50</u>
	3	2	0	4

Impairment? Yes

% Attainment

	<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):	41.7	25.0	33.3
Large Streams/Rivers (sites w/>50 mi2 drainage):	0.0	0.0	100.0

AU Score (relative amount of attainment)		
<u>Full</u>	<u>Partial</u>	<u>Non</u>
0.21	0.12	0.67

Weighted AU Score (relative amount of attainment weighted by AU size)		
<u>Full</u>	<u>Partial</u>	<u>Non</u>
12.2	7.3	39.1

High Magnitude Causes

Other Habitat Alterations

High Magnitude Sources

Nonirrigated Crop Production
 Confined Animal Feeding Operations (NPS)
 Channelization - Agriculture
 Removal of Riparian Vegetation - Ag.
 Streambank Destabilization - Ag.

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: 2

Total # Bacteria Sites in AU: 11

Other:

Impairment? Indeterminate

Fish Consumption Assessment

Integrated Report Assessment Category: 5 Priority: 1 Scheduled Monitoring: 2010

Monitoring to characterize physical, chemical, and biological condition of the Beaver Creek watershed was incorporated in the Wabash River basin intensive survey conducted in 1999.