

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

HUC11	AU Description	AU Size (mi2)
05040001 100	Sugar Creek (headwaters to upstream Middle Fork)	97.3

Aquatic Life Use Assessment

Sampling Year(s): 1998

Sampling Site Size Distribution (mi2)

Aquatic Life Use(s): WWH

# Sites Sampled:	<5	5-20	20-50	>50
	1	7	2	3

Impairment? Yes

% Attainment

	<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):	53.5	7.2	39.3
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>
0.27	0.03	0.70

Weighted AU Score (relative amount of attainment weighted by AU size)		
<u>Full</u>	<u>Partial</u>	<u>Non</u>
26.1	3.5	67.7

High Magnitude Causes

Nutrients
Siltation
Organic Enrichment/DO
Other Habitat Alterations
Pathogens
Natural Limits (Wetlands)

High Magnitude Sources

Nonirrigated Crop Production Natural
Pasture Land
Feedlots (Confined Animal Feeding Oper.)
Animal Holding/Management Areas
Onsite Wastewater Systems (Septic Tanks)
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: 28

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

Sites in AU w/ Bacteria Violations: 11

Total # Bacteria Sites in AU: 12

Other:

Impairment? Yes

Fish Consumption Assessment

Integrated Report Assessment Category: 5 Priority: 8 Scheduled Monitoring: 2012

A TMDL is in progress for the Sugar Creek watershed. Monitoring in support of the TMDL was conducted in 1998.