

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

<b>HUC11</b>	<b>AU Description</b>	<b>AU Size (mi2)</b>
05040001 110	South Fork Sugar Creek	137.7

**Aquatic Life Use Assessment**

Sampling Year(s): 1998

Sampling Site Size Distribution (mi2)

Aquatic Life Use(s): WWH

# Sites Sampled:	<u>&lt;5</u>	<u>5-20</u>	<u>20-50</u>	<u>&gt;50</u>
	14	15	4	4

Impairment? Yes

% Attainment

	<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):	3.4	47.6	49.0
Large Streams/Rivers (sites w/>50 mi2 drainage):	0.0	25.9	74.1

AU Score  
(relative amount of attainment)

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

<u>Full</u>	<u>Partial</u>	<u>Non</u>
0.02	0.37	0.61

<u>Full</u>	<u>Partial</u>	<u>Non</u>
2.3	50.6	84.8

High Magnitude Causes

High Magnitude Sources

Cause Unknown      Other Habitat Alterations  
Iron                      Natural Limits (Wetlands)  
Unionized Ammonia  
Nutrients  
pH  
Siltation  
Organic Enrichment/DO  
Flow Alteration

Minor Industrial Point Source      Streambank Destabilization - Ag.  
Nonirrigated Crop Production      Natural  
Pasture Land                              Source Unknown  
Surface Mining  
Industrial Land Treatment  
Channelization - Agriculture  
Flow Regulation/ Modification - Ag.  
Removal of Riparian Vegetation - 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: 21

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

# Sites in AU w/ Bacteria Violations: 16

Total # Bacteria Sites in AU: 25

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.