

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

<b>HUC11</b>	<b>AU Description</b>	<b>AU Size (mi2)</b>
05040001 120	Sugar Creek (upstream Middle Fork to mouth); excluding South Fork	121.3

**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>
	7	9	2	8

Impairment? Yes

% Attainment

	<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):	46.8	27.8	25.4
Large Streams/Rivers (sites w/>50 mi2 drainage):	10.3	46.1	43.6

AU Score (relative amount of attainment)		
<u>Full</u>	<u>Partial</u>	<u>Non</u>
0.28	0.37	0.35

Weighted AU Score (relative amount of attainment weighted by AU size)		
<u>Full</u>	<u>Partial</u>	<u>Non</u>
34.6	44.9	41.8

High Magnitude Causes

Unknown Toxicity  
Metals  
pH  
Siltation  
Other Habitat Alterations  
Natural Limits (Wetlands)

High Magnitude Sources

Major Industrial Point Source  
Nonirrigated Crop Production  
Pasture Land  
Surface Mining  
Landfills  
Channelization - Agriculture  
Flow Reg./Mod. - Ag.  
Removal of Riparian Vegetation - Ag.  
Streambank Destabilization - Ag.  
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: 13

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

# Sites in AU w/ Bacteria Violations: 10

Total # Bacteria Sites in AU: 26

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.