

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

<b>HUC11</b>	<b>AU Description</b>	<b>AU Size (mi2)</b>
05090203 010	Mill Creek	164.6

**Aquatic Life Use Assessment**

Sampling Year(s): 1992, 1997 Sampling Site Size Distribution (mi2)

		<u>&lt;5</u>	<u>5-20</u>	<u>20-50</u>	<u>&gt;50</u>
Aquatic Life Use(s): WWH,MWH-C,LRW,LWH	# Sites Sampled:	6	5	6	10

Impairment? Yes

% Attainment

	<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):	17.5	13.3	69.2
Large Streams/Rivers (sites w/>50 mi2 drainage):	0.0	5.6	94.4

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>
0.09	0.09	0.82

<u>Full</u>	<u>Partial</u>	<u>Non</u>
14.5	15.5	134.6

High Magnitude Causes

High Magnitude Sources

Cause Unknown      Taste and Odor  
Unknown Toxicity  
Unionized Ammonia  
Nutrients  
Organic Enrichment/DO  
Flow Alteration  
Other Habitat Alterations  
Oil and Grease

Industrial Point Sources  
Major Municipal Point Source  
Combined Sewer Overflow  
Urban Runoff/Storm Sewers (NPS)  
Channelization - Development  
Streambank Destabilization - Dev.

**Recreation Use Assessment**

# of Samples w/ an Ohio WQS Violation of the Secondary Contact Recreation Maximum Criterion

>5000 colonies/100 ml. fecal coliform bacteria:

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

# Sites in AU w/ Bacteria Violations:

Total # Bacteria Sites in AU: 0

Other:

Impairment? Unknown

**Fish Consumption Assessment**

A "One Meal per Month" Fish Consumption Advisory is in effect for Mill Creek (all species). The area under the advisory is from I-275 to the Ohio River.

**Integrated Report Assessment Category: 5      Priority: 2      Scheduled Monitoring: 2012**

A TMDL for the Mill Creek watershed is underway. Monitoring in support of the TMDL was conducted in 1997. Follow-up monitoring in the upper Mill Creek watershed was conducted in 2002.