

Ohio EPA 2002 Integrated Report Appendix C

Assessment Unit (AU) Summaries

HUC11	AU Description	AU Size (mi2)
05090203 010	Mill Creek	164.6

Aquatic Life Use Assessment

Sampling Year(s): 1992, 1997

Sampling Site Size Distribution (mi2)

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

Impairment? Yes

% Attainment

	Full	Partial	Non
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)

Full	Partial	Non
0.09	0.09	0.82

Full	Partial	Non
14.5	15.5	134.6

High Magnitude Causes

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

Taste and Odor

High Magnitude Sources

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.