

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

HUC11	AU Description	AU Size (mi2)
04110001 050	Black River; Lake Erie tributaries East of Black River to West of Porter Creek)	100.8

Aquatic Life Use Assessment

Sampling Year(s): 1997

Sampling Site Size Distribution (mi2)

Aquatic Life Use(s): WWH

# Sites Sampled:	<u><5</u>	<u>5-20</u>	<u>20-50</u>	<u>>50</u>
	0	0	3	14

Impairment? Yes

% Attainment

	<u>Full</u>	<u>Partial</u>	<u>Non</u>
Small Streams (sites w/<50 mi2 drainage):	0.0	33.3	66.7
Large Streams/Rivers (sites w/>50 mi2 drainage):	23.7	26.9	49.4

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>
0.12	0.30	0.58

<u>Full</u>	<u>Partial</u>	<u>Non</u>
12.0	30.3	58.5

High Magnitude Causes

High Magnitude Sources

Unknown Toxicity
Priority Organics
Nutrients
Organic Enrichment/DO

Industrial Point Source
Major Municipal Point Source
Combined Sewer Overflows
Source Unknown

Recreation Use Assessment

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

>5000 colonies/100 ml. fecal coliform bacteria: 1

>576 colonies/100 ml. E. coli bacteria): 1

Sites in AU w/ Bacteria Violations: 1

Total # Bacteria Sites in AU: 13

Other: A "Dermal Contact Advisory" is in effect for the Black River due to PAHs contamination. The area under the advisory is from the 31st St. bridge in Lorain to Lake Erie.

Impairment? Yes

Fish Consumption Assessment

A "One Meal per Month" Fish Consumption Advisory is in effect for the Black River (Carp). The area under the advisory is from the 31st St. bridge in Lorain to Lake Erie. Additionally, a "One Meal per Week" advisory is in effect (Brown Bullhead, Freshwater Drum) for the same stretch of the river.

In addition to the fish consumption advisories, there is a "One Meal per Week" Ohio Snapping Turtle Consumption Advisory in effect for the entire length of the Black River.

Integrated Report Assessment Category: 5 Priority: 9 Scheduled Monitoring: 2011

A TMDL is in progress in the Black River basin. Field monitoring in support of the TMDL was conducted in 1997 and 2001.