

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

| | | |
|--------------|---|----------------------|
| HUC11 | AU Description | AU Size (mi2) |
| 04110002 030 | Cuyahoga River (downstream Breakneck Creek to downstream Little Cuyahoga River) | 112.2 |

Aquatic Life Use Assessment

Sampling Year(s): 1996, 2000

Sampling Site Size Distribution (mi2)

| | | | | | |
|------------------------------------|------------------|--------------|-------------|--------------|---------------|
| | | <u><5</u> | <u>5-20</u> | <u>20-50</u> | <u>>50</u> |
| Aquatic Life Use(s): WWH,MWH-C,LRW | # Sites Sampled: | 5 | 7 | 6 | 17 |

Impairment? Yes

% Attainment

| | | | | |
|--|--|-------------|----------------|------------|
| | | <u>Full</u> | <u>Partial</u> | <u>Non</u> |
| Small Streams (sites w/<50 mi2 drainage): | | 12.1 | 0.0 | 87.9 |
| Large Streams/Rivers (sites w/>50 mi2 drainage): | | 5.9 | 55.5 | 38.6 |

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 | 0.28 | 0.63 |

| | | |
|-------------|----------------|------------|
| <u>Full</u> | <u>Partial</u> | <u>Non</u> |
| 10.1 | 31.2 | 70.9 |

High Magnitude Causes

High Magnitude Sources

- Unknown Toxicity
- Nutrients
- Siltation
- Organic Enrichment/DO
- Flow Alteration
- Other Habitat Alterations
- Total Toxics

- Major Municipal Point Source
- Combined Sewer Overflows
- Sewer Line Construction
- Urban Runoff/Storm Sewers (NPS)
- Onsite Wastewater Systems (Septic Tanks)
- Channelization - Development
- Dam Construction - Development
- 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: 23

>576 colonies/100 ml. E. coli bacteria): 12

Sites in AU w/ Bacteria Violations: 20

Total # Bacteria Sites in AU: 34

Other:

Impairment? Yes

Fish Consumption Assessment

A "One Meal per Month" Fish Consumption Advisory is in effect for the Cuyahoga River (Carp, Largemouth Bass, White Suckers 11 inches and larger). The area under the advisory is from the Ohio Edison Dam Pool in Cuyahoga Falls to Lake Erie. Additionally, a "One Meal Every 2 Months" advisory is in effect (Brown Bullhead, Yellow Bullhead) and a "One Meal per Week" advisory (White Suckers under 11 inches) for the same stretch of the river.

Integrated Report Assessment Category: 5 Priority: 9 Scheduled Monitoring: 2005

A TMDL was approved for the middle Cuyahoga River basin by the USEPA in 2000. Monitoring in support of the TMDL was conducted by the Ohio EPA in 1996 and 2000.