

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

| | | |
|--------------|----------------------------------------------------------------------------------|----------------------|
| HUC11 | AU Description | AU Size (mi2) |
| 05030202 100 | Ohio River tributaries (downstream Leading Creek to upstream Kanawha River [WV]) | 88.8 |

Aquatic Life Use Assessment

Sampling Year(s): 1982, 1990

Sampling Site Size Distribution (mi2)

Aquatic Life Use(s): WWH,LRW

| | | | | |
|------------------|----|------|-------|-----|
| # Sites Sampled: | <5 | 5-20 | 20-50 | >50 |
| | 5 | 2 | 3 | 0 |

Impairment? Yes

% Attainment

| | | | |
|--------------------------------------------------|-------------|----------------|------------|
| | <u>Full</u> | <u>Partial</u> | <u>Non</u> |
| Small Streams (sites w/<50 mi2 drainage): | 0.0 | 16.7 | 83.3 |
| Large Streams/Rivers (sites w/>50 mi2 drainage): | 0.0 | 0.0 | 0.0 |

| | | |
|---------------------------------------------|----------------|------------|
| AU Score (relative amount of attainment) | | |
| <u>Full</u> | <u>Partial</u> | <u>Non</u> |
| 0.00 | 0.17 | 0.83 |

| | | |
|--------------------------------------------------------------------------|----------------|------------|
| Weighted AU Score (relative amount of attainment weighted by AU size) | | |
| <u>Full</u> | <u>Partial</u> | <u>Non</u> |
| 0.0 | 14.8 | 74.0 |

High Magnitude Causes

Metals
pH
Siltation
Flow Alteration
Direct Habitat Alterations

High Magnitude Sources

Industrial Point Sources
Nonirrigated Crop Production
Surface Mining
Subsurface Mining
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:

>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

Integrated Report Assessment Category: 5 Priority: 1 Scheduled Monitoring: 2009

Kyger Creek and Bell Lick Run were included on the 1998 303(d) list based on data from 1990 and 1982, respectively. Since these data are no longer current (i.e., more than 10 years old), reassessment of current conditions is warranted. However, recognizing the continued pervasive impacts related to ongoing mining activities, retaining the Assessment Unit on the 303(d) list is appropriate.