

# Ohio EPA 2002 Integrated Report Appendix C

## Assessment Unit (AU) Summaries

HUC11	AU Description	AU Size (mi2)
05090202 010	Little Miami River (headwaters to upstream Massies Creek)	129.6

### Aquatic Life Use Assessment

Sampling Year(s): 1998

Sampling Site Size Distribution (mi2)

Aquatic Life Use(s): EWH,WWH

# Sites Sampled:

<5	5-20	20-50	>50
3	8	3	4

Impairment? Yes

% Attainment

Small Streams (sites w/<50 mi2 drainage):

Large Streams/Rivers (sites w/>50 mi2 drainage):

Full	Partial	Non
74.0	9.4	16.6
0.0	54.2	45.8

AU Score  
(relative amount of attainment)

Full	Partial	Non
0.37	0.32	0.31

Weighted AU Score  
(relative amount of attainment weighted by AU size)

Full	Partial	Non
47.9	41.2	40.5

#### High Magnitude Causes

Metals  
Unionized Ammonia  
Nutrients  
Organic Enrichment/DO  
Flow Alteration  
Other Habitat Alterations  
Pathogens

#### High Magnitude Sources

Minor Municipal Point Source  
Nonirrigated Crop Production  
Range Grazing - Riparian Manure Lagoons  
Channelization - Agriculture  
Removal of Riparian Vegetation - Ag.  
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: 2

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

# Sites in AU w/ Bacteria Violations: 2

Total # Bacteria Sites in AU: 17

Other:

Impairment? Indeterminate

### Fish Consumption Assessment

A "One Meal per Month" Fish Consumption Advisory is in effect for the Little Miami River (Sauger). The area under the advisory includes the entire length of the river. Additionally, a "One Meal per Week" advisory is in effect (Channel Catfish, Smallmouth Bass).

**Integrated Report Assessment Category: 4A      Priority:      Scheduled Monitoring: 2012**

A TMDL was completed and approved by the USEPA in 2002. Monitoring in support of the TMDL was conducted in 1998.