

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

|              |   |                      |
|--------------|---|----------------------|
| <b>HUC11</b> | <b>AU Description</b>                                     | <b>AU Size (mi2)</b> |
| 04100004 010 | St. Mary's River (headwaters to downstream Sixmile Creek) | 134.3                |

**Aquatic Life Use Assessment**

Sampling Year(s): 1991

Sampling Site Size Distribution (mi2)

Aquatic Life Use(s): WWH,MWH-C,LRW

# Sites Sampled:

|    |      |       |     |
|----|------|-------|-----|
| <5 | 5-20 | 20-50 | >50 |
| 0  | 1    | 0     | 6   |

Impairment? Yes

% Attainment

|  |             |                |            |
|--|-------------|----------------|------------|
|  | <u>Full</u> | <u>Partial</u> | <u>Non</u> |
| Small Streams (sites w/<50 mi2 drainage):        | 0.0         | 0.0            | 100.0      |
| Large Streams/Rivers (sites w/>50 mi2 drainage): | 0.0         | 0.0            | 100.0      |

|   |                |            |
|---|----------------|------------|
| AU Score<br>(relative amount of attainment) |                |            |
| <u>Full</u>                                 | <u>Partial</u> | <u>Non</u> |
| 0.00  | 0.00           | 1.00       |

|  |                |            |
|--|----------------|------------|
| Weighted AU Score<br>(relative amount of attainment weighted by AU size) |                |            |
| <u>Full</u>  | <u>Partial</u> | <u>Non</u> |
| 0.0  | 0.0            | 134.3      |

High Magnitude Causes

Flow Alteration  
Other Habitat Alterations

High Magnitude Sources

Channelization - Agriculture  
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: 2

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

# Sites in AU w/ Bacteria Violations: 2

Total # Bacteria Sites in AU: 2

Other:

Impairment? Indeterminate

**Fish Consumption Assessment**

A "One Meal per Month" Fish Consumption Advisory is in effect for the St. Mary's River (Freshwater Drum, Northern Pike, Saugeye). The area under the advisory includes the entire length of the river.

**Integrated Report Assessment Category: 5      Priority: 2      Scheduled Monitoring: 2010**

Biological data from the St. Marys River mainstem are all from 1991 and earlier. Fish tissue and sediment data were collected between 1995-1999. The only recent biological data in this watershed are from one reference site (Carter Creek) in 1999.