

**Ohio EPA 2008 Integrated Report Section M3  
Large River Assessment Unit (LRAU) Results**

**LRAU Description**

Maumee River Mainstem (Indiana border to Lake Erie)

**LRAU Size (mi<sup>2</sup>)**

6608.0

**Integrated Report Assessment Category: 5**

**Priority Points: 10**

**Next Scheduled Monitoring: 2016**

**Aquatic Life Use (ALU) Assessment**

Subcategories of ALU: WWH

Sampling Year(s): 1997, 1998, 2002

Impairment: Yes (5)

LRAU Total Length (miles): 107.87

No. Miles Full Attainment: 23.60

LRAU Monitored Miles: 95.67

No. Miles Partial Attainment: 26.72

No. Sites Sampled: 35

No. Miles Non-Attainment: 45.35

**% LRAU Attainment (Monitored Miles)**

Full	Partial	Non
24.7	27.9	47.4

High Magnitude Causes

Flow Alteration  
Direct Habitat Alterations  
Turbidity  
Nutrients  
Unionized Ammonia  
Siltation  
Total Toxics

High Magnitude Sources

Nonirrigated Crop Production  
Channelization - Agriculture  
Combined Sewer Overflow  
Major Municipal Point Source

**Recreation Use Assessment**

Subcategory of Use: Primary Contact

Impairment: No (1)

Geometric Mean: 127

No. of Ambient Sites: 4

No. of Ambient Sampling Records: 42

75<sup>th</sup> %ile: 390

No. of NPDES MOR Sites: 7

No. of NPDES MOR Records: 504

90<sup>th</sup> %ile: 900

Other:

**Public Drinking Water Supply Assessment**

Location(s): Maumee River @RMs 23.16 [Bowling Green], 35.91 [McClure], 45.88 and 47.10 [Campbell Soup], 47.13 [Napoleon], and 65.84 [Defiance]

Impairment: Yes (5)

Nitrate Indicator: Impaired

Cause: Nitrate

Pesticide Indicator: Full Support, Watch List

**Fish Tissue Assessment**

Large River Sampled: Yes      Impairment: Yes (5-Historical Data)

Miles Monitored: 106.30      Miles Impaired: 106.30

Pollutant(s): PCBs

**Comments**

The City of Toledo has initiated a major CSO remediation project which will positively benefit the lower mainstem within Lucas County. Future monitoring of the Maumee River mainstem assessment unit will be conducted within the normal rotating basin schedule after the cessation of the project and when sufficient recovery time has elapsed. Besides the aquatic life use impairment, the 2004 Integrated Report assessment of fish tissue data documented body burdens of one or more pollutants at levels exceeding the threshold level upon which Ohio Water Quality Standards human health criteria are based which resulted in listing as impaired for fish consumption. While the fish tissue data are now historical, the assessment unit will remain Category 5 until TMDLs are developed for all pollutants impairing all beneficial uses. Led by the Natural Resources Conservation Service and the U.S. Army Corps of Engineers, federal, state, and local partners have initiated a comprehensive investigation of measures to improve fish and wildlife habitat, navigation, flood damage reduction, recreation, and water quality in the western Lake Erie basin including the Maumee, Ottawa and Portage River watersheds. For more information, see [www.wleb.org](http://www.wleb.org).