

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

**LRAU Description**

Mahoning River Mainstem (downstream Eagle Creek to Pennsylvania Border)

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

1075.0

**Integrated Report Assessment Category: 5**

**Priority Points: 6**

**Next Scheduled Monitoring: 2013**

**Aquatic Life Use (ALU) Assessment**

Subcategories of ALU: WWH

Sampling Year(s): 1997, 2002, 2003, 2006

Impairment: Yes (5)

LRAU Total Length (miles): 37.00

No. Miles Full Attainment: 7.60

LRAU Monitored Miles: 16.00

No. Miles Partial Attainment: 3.40

No. Sites Sampled: 14

No. Miles Non-Attainment: 5.00

**% LRAU Attainment (Monitored Miles)**

Full	Partial	Non
47.5	21.3	31.2

High Magnitude Causes

Metals  
Nutrients  
Organic Enrichment/DO  
Pathogens  
Priority Organics  
Direct Habitat Alterations  
Cause Unknown  
Chlorine

Oil and Grease  
Thermal Modifications

High Magnitude Sources

Combined Sewer Overflow  
Contaminated Sediments  
Dam Construction - Development  
Major Municipal Point Source  
Spills  
Urban Runoff/Storm Sewers (NPS)  
Flow Reg/Mod - Development  
Hazardous Wastes  
Minor Industrial Point Source  
Source Unknown

**Recreation Use Assessment**

Subcategory of Use: Primary Contact

Impairment: No (1)

Geometric Mean: 283

No. of Ambient Sites: 2

No. of Ambient Sampling Records: 46

75<sup>th</sup> %ile: 885

No. of NPDES MOR Sites: 7

No. of NPDES MOR Records: 365

90<sup>th</sup> %ile: 2000

Other: A "Dermal Contact Advisory" is in effect for the Mahoning River due to PAH and PCB contamination. The area under the advisory is from NW Bridge Rd. in Warren to the Pennsylvania border (Mahoning and Trumbull Counties).

**Public Drinking Water Supply Assessment**

Location(s): No Public Drinking Water Supply Intakes

Impairment:

Nitrate Indicator:

Cause:

Pesticide Indicator:

**Fish Tissue Assessment**

Large River Sampled: Yes      Impairment: Yes (5)

Miles Monitored: 34.32      Miles Impaired: 34.32

Pollutant(s): PCBs

**Comments**

The WWH aquatic life use for the Mahoning River mainstem was listed as impaired based on historical data in the 2006 Integrated Report. For the 2008 report, aquatic life data from several small surveys conducted between 1997 and 2006 were included to update the mainstem assessment. Mainstem coverage was somewhat limited in that only 16 of 37 mainstem miles were considered assessed based on these small surveys. Aquatic life use status of the remaining 21 miles remains unknown. Identified causes and sources based on the intensive survey conducted in 1994 were carried over to this Integrated Report.