

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

**LRAU Description**

Cuyahoga River Mainstem (downstream Brandywine Cr. to mouth incl. old channel)

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

809.0

**Integrated Report Assessment Category: 5**

**Priority Points: 3**

**Next Scheduled Monitoring: 2020**

**Aquatic Life Use (ALU) Assessment**

Subcategories of ALU: WWH, LRW

Sampling Year(s): 1996, 1999-2002, 2006

Impairment: Yes (4A-TMDL)

LRAU Total Length (miles): 25.34

No. Miles Full Attainment: 11.25

LRAU Monitored Miles: 25.34

No. Miles Partial Attainment: 10.37

No. Sites Sampled: 16

No. Miles Non-Attainment: 3.72

% LRAU Attainment (Monitored Miles)

Full	Partial	Non
44.3	41.1	14.6

High Magnitude Causes

Organic Enrichment/DO  
Unknown Toxicity  
Direct Habitat Alterations  
Total Toxics  
Unionized Ammonia

High Magnitude Sources

Combined Sewer Overflow  
Major Municipal Point Source  
Contaminated Sediments  
Dredging/Development  
Marinas  
Spills  
Urban Runoff/Storm Sewers (NPS)  
Streambank Modification/Destabilization

**Recreation Use Assessment**

Subcategory of Use: Primary Contact

Impairment: Yes (4A-TMDL)

Geometric Mean: 512

No. of Ambient Sites: 3

No. of Ambient Sampling Records: 43

75<sup>th</sup> %ile: 1130

No. of NPDES MOR Sites: 2

No. of NPDES MOR Records: 128

90<sup>th</sup> %ile: 5700

Other:

**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: 24.16      Miles Impaired: 24.16

Pollutant(s): PCBs

**Comments**

A report developing TMDLs for pollutants impairing beneficial uses (aquatic life and recreation) in the lower Cuyahoga River basin including the Cuyahoga River mainstem assessment unit was approved by U.S. EPA on September 26, 2003. Monitoring in support of the TMDLs was conducted in 1996, 1999, and 2000. Data collected by NEORSD in 2001 and 2006 was used to update aquatic life conditions in the vicinity of the Southerly WWTP. The TMDL report is available at <http://www.epa.state.oh.us/dsw/tmdl/index.html>. 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. As such, the assessment unit will remain Category 5 until TMDLs have been developed for all pollutants impairing all beneficial uses.