

**Ohio EPA 2008 Integrated Report Section M4
Lake Erie Assessment Unit Results**

Lake Erie AU Description

Lake Erie Western Basin Shoreline (including Maumee Bay and Sandusky Bay)

Integrated Report Assessment Category: 5

Priority Points: 9

Next Scheduled Monitoring: 2012

Aquatic Life Use (ALU) Assessment

Subcategories of ALU: EWH

Sampling Year(s): 2000 - 2002

Impairment: Yes (5)

Lake Erie AU Total Length (miles): 119.90

No. Sites Full Attainment: 0

Lake Erie AU Monitored Miles: 33.10

No. Sites Partial Attainment: 0

No. Sites Sampled: 10

No. Sites Non-Attainment: 10

% Lake Erie AU Attainment (Monitored Sites)

Full	Partial	Non
0.0	0.0	100.0

High Magnitude Causes

Nutrients
Siltation
Organic Enrichment/DO
Exotic Species

High Magnitude Sources

Municipal Point Source
Combined Sewer Overflow
Nonirrigated Crop Production

Recreation Use Assessment

Subcategory of Use: Bathing Waters

Impairment: Yes (5)

Cause: Pathogens

Number of Beaches: 8

Average No. Days E. coli Criteria Exceeded per Beach per Season: 11

Public Drinking Water Supply Assessment

Location(s): [Sandusky, Marblehead, Ottawa County Regional, Erie Industrial Park, Carrol Water & Sewer, Oregon, Toledo]

Impairment: No (1)

Nitrate Indicator: Full Support

Cause:

Pesticide Indicator: Insufficient Data, Watch List

Fish Tissue Assessment

Waters Within the Lake Erie AU Sampled and Assessed: Yes

Impairment: Yes (5)

Pollutant(s): PCBs

Shoreline Miles Monitored: 119.90

Shoreline Miles Impaired: 119.90

Comments

The aquatic life use assessment was restricted to fish community data collected from the Western Basin using monitoring and assessment protocols developed for the Lake Erie shoreline habitat. Except for a few locations collected from 2000 to 2002, most data in this assessment unit are now more than 10 years old and are considered historical.

**Ohio EPA 2008 Integrated Report Section M4
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Lake Erie AU Description

Lake Erie Central Basin Shoreline

Integrated Report Assessment Category: 5

Priority Points: 8

Next Scheduled Monitoring: 2012

Aquatic Life Use (ALU) Assessment

Subcategories of ALU: EWH

Sampling Year(s): 1997 - 2002

Impairment: Yes (5)

Lake Erie AU Total Length (miles): 132.40

No. Sites Full Attainment: 3

Lake Erie AU Monitored Miles: 114.80

No. Sites Partial Attainment: 9

No. Sites Sampled: 32

No. Sites Non-Attainment: 20

% Lake Erie AU Attainment (Monitored Sites)

Full	Partial	Non
9.4	28.1	62.5

High Magnitude Causes

Nutrients
Siltation
Direct Habitat Alterations
Exotic Species

High Magnitude Sources

Major Municipal Point Source
Combined Sewer Overflow
Urban Runoff/Storm Sewers (NPS)
Nonirrigated Crop Production
Streambank Modification/Destabilization
Habitat Modifications other than Hydromodification
Other

Recreation Use Assessment

Subcategory of Use: Bathing Waters

Impairment: Yes (5)

Cause: Pathogens

Number of Beaches: 13

Average No. Days E. coli Criteria Exceeded per Beach per Season: 18

Public Drinking Water Supply Assessment

Location(s): [Conneaut, Ashtabula-Ohio American Water, Lake County East, Lake County West, Painesville, Fairport Harbor, Mentor-Aqua Ohio, Cleveland, Avon Lake, Elyria, Lorain, Vermilion, Huron]

Impairment: No (1)

Nitrate Indicator: Full Support

Cause:

Pesticide Indicator: Insufficient Data

Fish Tissue Assessment

Waters Within the Lake Erie AU Sampled and Assessed: Yes

Impairment: Yes (5)

Pollutant(s): PCBs

Shoreline Miles Monitored: 132.40

Shoreline Miles Impaired: 132.40

Comments

The aquatic life use assessment was restricted to fish community data collected from the Central Basin using monitoring and assessment protocols developed for the Lake Erie shoreline habitat. Nearly half of this data was collected prior to 1997 and is now considered historical.

**Ohio EPA 2008 Integrated Report Section M4
Lake Erie Assessment Unit Results**

Lake Erie AU Description

Lake Erie Islands Shoreline

Integrated Report Assessment Category: 5

Priority Points: 4

Next Scheduled Monitoring: 2012

Aquatic Life Use (ALU) Assessment

Subcategories of ALU: EWH

Sampling Year(s): 2000, 2002

Impairment: Yes (5)

Lake Erie AU Total Length (miles): 37.20

No. Sites Full Attainment: 2

Lake Erie AU Monitored Miles: 12.10

No. Sites Partial Attainment: 2

No. Sites Sampled: 7

No. Sites Non-Attainment: 3

% Lake Erie AU Attainment (Monitored Sites)

Full	Partial	Non
28.6	28.6	42.8

High Magnitude Causes

Nutrients
Siltation
Direct Habitat Alterations
Exotic Species

High Magnitude Sources

Municipal Point Source
Combined Sewer Overflow
Nonirrigated Crop Production
Other

Recreation Use Assessment

Subcategory of Use: Bathing Waters

Impairment: No (1)

Cause:

Number of Beaches: 2

Average No. Days E. coli Criteria Exceeded per Beach per Season: 0

Public Drinking Water Supply Assessment

Location(s): {Kelleys Island, Camp Patmos, Lake Erie Utility Co., Put-in-Bay}

Impairment: No (1)

Nitrate Indicator: Full Support

Cause:

Pesticide Indicator: Insufficient Data

Fish Tissue Assessment

Waters Within the Lake Erie AU Sampled and Assessed: Yes

Impairment: Yes (5)

Pollutant(s): PCBs

Shoreline Miles Monitored: 37.20

Shoreline Miles Impaired: 37.20

Comments

The aquatic life use assessment was restricted to fish community data collected from the Lake Erie Islands using monitoring and assessment protocols developed for the Lake Erie shoreline habitat.