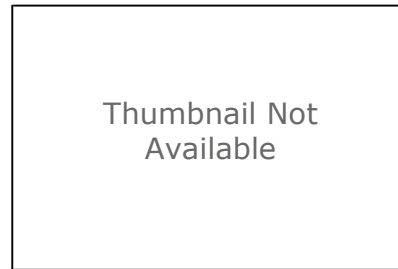


# Black River AOC Boundary, U.S. EPA Great Lakes National Program Office

## Shapefile



## Tags

Ohio, Environment, Remediation, Great Lakes, Area of Concern, 020:057

## Summary

The main use of the delineated AOC boundaries is for EPA and State governments to locate those sites listed on the U.S. Area of Concerns list in the Great Lakes Water Quality Agreement, or other sites that are in close proximity or may have contributed to the pollution within each AOC. These analyses are completed on a relatively small scale of the areas in and around each AOC. Attributes only include the AOC name and the predominant state in which the AOC is located. The locations of features and boundaries shown on this map are approximate and are intended for planning and visualization purposes only. This is not intended for survey, statistical, engineering, or legal purposes.

## Description

This shapefile provides a polygon boundary for the Black River AOC in northern Ohio. In general, the following steps were taken in developing the shapefile:

1. The current shapefile was downloaded from the AOC website on EPA.gov.
2. Shoreline data from NOAA, Continually Updated Shoreline Product (CUSP) (<https://www.ngs.noaa.gov/CUSP/>), were downloaded for the full extent of the AOC.
3. A narrative of the AOC (included below) was obtained from the AOC webpage.
4. The watershed portion of the AOC was compared with NHD Plus v2.1 data and matched. Thus, no updates were needed. However, the individual polygons were dissolved into a single polygon for consistency with general AOC formatting.
5. The extent of the AOC was determined from the description in Step #3 and/or the extent in the current boundary.
6. The AOC shoreline of the current shapefile was updated by adding in the outer harbor area using the data from Step #2.
7. Utilizing aerial imagery (current and historic) and best professional judgement, manual edits (minor) were made to the extent of the beaches only.

Narrative: USEPA webpage, 12/2/2021. "The Black River AOC includes:

- The entire Black River mainstem from the mouth at Lake Erie to River Mile 14.95.
- The French Creek Watershed.
- The Outer Harbor area, located between the east and west shore-arms in Lake Erie.
- The nearshore area of Lake Erie including two Lake Erie Beaches: Century Park Beach, located east of the river mouth; and Lakeview Park Beach, located west of the river mouth."

Representatives of both EPA and OEPA reviewed and approved the boundary.

## Credits

Sources of digital information used in the development of the AOC include: NOAA (<https://www.ngs.noaa.gov/CUSP/>), ESRI World Imagery ([http://goto.arcgisonline.com/maps/World\\_Imagery](http://goto.arcgisonline.com/maps/World_Imagery)), Google Earth historic imagery

(<https://www.google.com/earth/>), and EPA's NHDPlus Version 2.1 (<https://www.epa.gov/waterdata/get-nhdplus-national-hydrography-dataset-plus-data>).

### Use limitations

Any hardcopies utilizing EPA data sets shall clearly indicate their source. The licensee specifically agrees not to misrepresent EPA data sets, nor to imply that changes they made were approved by EPA.

### Extent

**West** -82.198133    **East** -81.936227  
**North** 41.480107    **South** 41.331169

### Scale Range

**Maximum (zoomed in)** 1:5,000  
**Minimum (zoomed out)** 1:50,000

## ArcGIS Metadata ►

### Topics and Keywords ►

THEMES OR CATEGORIES OF THE RESOURCE    inlandWaters, boundaries

\* CONTENT TYPE    Downloadable Data  
 EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION    No

PLACE KEYWORDS    Ohio

THESAURUS'S LANGUAGE    English (UNITED STATES)

THESAURUS    ►

TITLE    EPA Place Names  
 PUBLICATION DATE    2015-01-31 00:00:00

RESOURCE LOCATION ONLINE

LOCATION

[https://ofmpub.epa.gov/sor\\_internet/registry/termreg/searchandretrieve/taxonomies/search.do?search=&searchString=&taxonomyName=WBT%20-%20Geographic%20Locations](https://ofmpub.epa.gov/sor_internet/registry/termreg/searchandretrieve/taxonomies/search.do?search=&searchString=&taxonomyName=WBT%20-%20Geographic%20Locations)

NAME    Web Taxonomy - Geographic Locations

FUNCTION PERFORMED    information

*Hide Thesaurus ▲*

THEME KEYWORDS    Environment, Remediation

THESAURUS    ►

TITLE    EPA GIS Keyword Thesaurus  
 PUBLICATION DATE    2007-11-02 00:00:00

RESOURCE LOCATION ONLINE

LOCATION    <https://www.epa.gov/geospatial/epa-metadata-technical-specification>

NAME    EPA Metadata Technical Specification

FUNCTION PERFORMED    information

*Hide Thesaurus ▲*

THEME KEYWORDS    Great Lakes, Area of Concern

**THESAURUS** ▶

TITLE User  
 PUBLICATION DATE 2020-06-29 00:00:00

[Hide Thesaurus ▲](#)

THEME KEYWORDS 020:057

**THESAURUS** ▶

TITLE Federal Program Inventory  
 PUBLICATION DATE 2013-09-16 00:00:00

**RESOURCE LOCATION ONLINE**

LOCATION <https://www.performance.gov/federalprograminventory>  
 NAME Federal Program Inventory  
 FUNCTION PERFORMED information

[Hide Thesaurus ▲](#)

[Hide Topics and Keywords ▲](#)

**Citation** ▶

TITLE Black River AOC Boundary, U.S. EPA Great Lakes National Program Office  
 PUBLICATION DATE 2021-09-03

PRESENTATION FORMATS digital map

[Hide Citation ▲](#)

**Resource Details** ▶

DATASET LANGUAGES English (UNITED STATES)  
 DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

SPATIAL REPRESENTATION TYPE vector

\* PROCESSING ENVIRONMENT Version 6.2 (Build 9200) ; Esri ArcGIS 10.7.0.10450

**CREDITS**

Sources of digital information used in the development of the AOC include: NOAA (<https://www.ngs.noaa.gov/CUSP/>), ESRI World Imagery ([http://goto.arcgisonline.com/maps/World\\_Imagery](http://goto.arcgisonline.com/maps/World_Imagery)), Google Earth historic imagery (<https://www.google.com/earth/>), and EPA's NHDPlus Version 2.1 (<https://www.epa.gov/waterdata/get-nhdplus-national-hydrography-dataset-plus-data>).

**ARCGIS ITEM PROPERTIES**

\* NAME AOC\_OH\_Black\_2021  
 \* SIZE 0.028  
 \* LOCATION file://\\F5160-78SW8C3-L\C\$\Users\justin.telech\OneDrive - GDIT\Documents\Legacy\AOC boundary work\Black River\Edits\Finalized\AOC\_OH\_Black\_2021.shp  
 \* ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

**Extents** ▶

## EXTENT

## DESCRIPTION

The Black River AOC was designated an AOC in 1987.

## TEMPORAL EXTENT

BEGINNING DATE 1987-01-01 00:00:00

## ENDING DATE

INDETERMINATE DATE unknown

## EXTENT

## GEOGRAPHIC EXTENT

## BOUNDING RECTANGLE

EXTENT TYPE Extent used for searching

\* WEST LONGITUDE -82.198133

\* EAST LONGITUDE -81.936227

\* NORTH LATITUDE 41.480107

\* SOUTH LATITUDE 41.331169

\* EXTENT CONTAINS THE RESOURCE Yes

## EXTENT IN THE ITEM'S COORDINATE SYSTEM

\* WEST LONGITUDE -82.198133

\* EAST LONGITUDE -81.936227

\* SOUTH LATITUDE 41.331169

\* NORTH LATITUDE 41.480107

\* EXTENT CONTAINS THE RESOURCE Yes

[Hide Extents ▲](#)

## Resource Points of Contact ►

## POINT OF CONTACT

INDIVIDUAL'S NAME Mark Loomis

ORGANIZATION'S NAME U.S. Environmental Protection Agency Great Lakes National Program Office

CONTACT'S POSITION Federal AOC Taskforce Lead

CONTACT'S ROLE publisher

## CONTACT INFORMATION ►

## ADDRESS

## TYPE

DELIVERY POINT 77 W. Jackson Blvd G-17J

CITY Chicago

ADMINISTRATIVE AREA IL

POSTAL CODE 60604

COUNTRY US

E-MAIL ADDRESS Loomis.Mark@Epa.gov

[Hide Contact information ▲](#)

[Hide Resource Points of Contact ▲](#)

## Resource Maintenance ►

## RESOURCE MAINTENANCE

UPDATE FREQUENCY as needed

[Hide Resource Maintenance ▲](#)

## Resource Constraints ►

## CONSTRAINTS

## LIMITATIONS OF USE

Any hardcopies utilizing EPA data sets shall clearly indicate their source. The licensee specifically agrees not to misrepresent EPA data sets, nor to imply that changes they made were approved by EPA.

[Hide Resource Constraints ▲](#)

## Spatial Reference ►

## ARCGIS COORDINATE SYSTEM

- \* TYPE **Geographic**
- \* GEOGRAPHIC COORDINATE REFERENCE **GCS\_North\_American\_1983**
- \* COORDINATE REFERENCE DETAILS
  - GEOGRAPHIC COORDINATE SYSTEM
  - WELL-KNOWN IDENTIFIER **4269**
  - X ORIGIN **-400**
  - Y ORIGIN **-400**
  - XY SCALE **11258999068426.238**
  - Z ORIGIN **-100000**
  - Z SCALE **10000**
  - M ORIGIN **-100000**
  - M SCALE **10000**
  - XY TOLERANCE **8.9831528411952133e-09**
  - Z TOLERANCE **0.001**
  - M TOLERANCE **0.001**
  - HIGH PRECISION **true**
  - LEFT LONGITUDE **-180**
  - LATEST WELL-KNOWN IDENTIFIER **4269**
  - WELL-KNOWN TEXT **GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433],AUTHORITY["EPSG",4269]]**

## REFERENCE SYSTEM IDENTIFIER

- DIMENSION **horizontal**
- VALUE **4269**
- \* CODESPACE **EPSG**
- \* VERSION **6.12(3.0.1)**

[Hide Spatial Reference ▲](#)

## Spatial Data Properties ►

## VECTOR ►

- \* LEVEL OF TOPOLOGY FOR THIS DATASET **geometry only**

## GEOMETRIC OBJECTS

- FEATURE CLASS NAME **AOC\_OH\_Black\_2021**
- \* OBJECT TYPE **composite**
- \* OBJECT COUNT **1**

[Hide Vector ▲](#)

## ARCGIS FEATURE CLASS PROPERTIES ►

- FEATURE CLASS NAME **AOC\_OH\_Black\_2021**
- \* FEATURE TYPE **Simple**
- \* GEOMETRY TYPE **Polygon**
- \* HAS TOPOLOGY **FALSE**
- \* FEATURE COUNT **1**

- \* SPATIAL INDEX TRUE
- \* LINEAR REFERENCING FALSE

[Hide ArcGIS Feature Class Properties ▲](#)

[Hide Spatial Data Properties ▲](#)

## Data Quality ►

SCOPE OF QUALITY INFORMATION ►  
RESOURCE LEVEL dataset

[Hide Scope of quality information ▲](#)

[Hide Data Quality ▲](#)

## Lineage ►

LINEAGE STATEMENT

This shapefile supersedes the previous version, BlackAOC\_2015revision.shp

[Hide Lineage ▲](#)

## Distribution ►

DISTRIBUTION FORMAT  
\* NAME Shapefile  
VERSION 2021

TRANSFER OPTIONS  
TRANSFER SIZE 0.012

[Hide Distribution ▲](#)

## Fields ►

DETAILS FOR OBJECT [AOC\\_OH\\_Black\\_2021](#) ►

- \* TYPE Feature Class
- \* ROW COUNT 1

DEFINITION

The AOC extent and other possible applicable areas

DEFINITION SOURCE

U.S. EPA Great Lakes National Program Office

FIELD FID ►

- \* ALIAS FID
- \* DATA TYPE OID
- \* WIDTH 4
- \* PRECISION 0
- \* SCALE 0
- \* FIELD DESCRIPTION  
Internal feature number.

- \* DESCRIPTION SOURCE  
Esri

## \* DESCRIPTION OF VALUES

Sequential unique whole numbers that are automatically generated.

*Hide Field FID ▲*

## FIELD Shape ►

\* ALIAS Shape

\* DATA TYPE Geometry

\* WIDTH 0

\* PRECISION 0

\* SCALE 0

\* FIELD DESCRIPTION

Feature geometry.

\* DESCRIPTION SOURCE

Esri

\* DESCRIPTION OF VALUES

Coordinates defining the features.

*Hide Field Shape ▲*

## FIELD Name ►

\* ALIAS Name

\* DATA TYPE String

\* WIDTH 50

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Feature name

DESCRIPTION SOURCE

U.S. EPA Great Lakes National Program Office

LIST OF VALUES

VALUE AOC Name

DESCRIPTION The AOC name is the official name given by the U.S. EPA Great Lakes National

ENUMERATED DOMAIN VALUE DEFINITION SOURCE U.S. EPA Great Lakes National Program Office

*Hide Field Name ▲*

## FIELD State ►

\* ALIAS State

\* DATA TYPE String

\* WIDTH 2

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Location of feature as 2-character state code

DESCRIPTION SOURCE

U.S. EPA Great Lakes National Program Office

LIST OF VALUES

VALUE 2-character state code  
 DESCRIPTION State postal code  
 ENUMERATED DOMAIN VALUE DEFINITION SOURCE U.S. EPA Great Lakes National Program Office

[Hide Field State ▲](#)

[Hide Details for object AOC\\_OH\\_Black\\_2021 ▲](#)

[Hide Fields ▲](#)

## Metadata Details ►

METADATA LANGUAGE English (UNITED STATES)  
 METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

METADATA IDENTIFIER E684F785-3782-4FA4-A450-74A262230F6D

SCOPE OF THE DATA DESCRIBED BY THE METADATA dataset  
 SCOPE NAME \* dataset

LAST UPDATE 2021-12-02

ARCGIS METADATA PROPERTIES  
 METADATA FORMAT ArcGIS 1.0  
 METADATA STYLE EPA Metadata Specification NAP ISO19115 2003  
 STANDARD OR PROFILE USED TO EDIT METADATA NAP

CREATED IN ARCGIS FOR THE ITEM 2021-10-06 13:54:01  
 LAST MODIFIED IN ARCGIS FOR THE ITEM 2021-12-02 18:20:43

AUTOMATIC UPDATES  
 HAVE BEEN PERFORMED Yes  
 LAST UPDATE 2021-12-02 18:13:11

[Hide Metadata Details ▲](#)

## Metadata Contacts ►

METADATA CONTACT  
 INDIVIDUAL'S NAME Justin Telech  
 ORGANIZATION'S NAME GDIT  
 CONTACT'S POSITION Environmental Scientist  
 CONTACT'S ROLE author

CONTACT INFORMATION ►  
 ADDRESS  
 DELIVERY POINT 79 TW Alexander Drive  
 CITY Research Triangle Park  
 ADMINISTRATIVE AREA NC  
 POSTAL CODE 27709  
 COUNTRY US  
 E-MAIL ADDRESS justin.telech@gdit.com

[Hide Contact information ▲](#)

[Hide Metadata Contacts ▲](#)



## Metadata Maintenance ▶

MAINTENANCE

UPDATE FREQUENCY as needed

*Hide Metadata Maintenance ▲*

## FGDC Metadata (read-only) ▼