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

Shapefile

Thumbnail Not Available
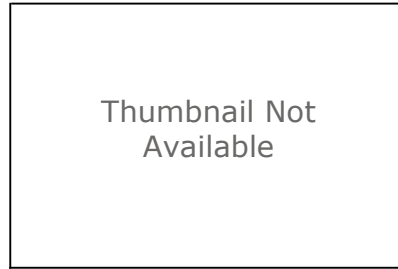
Tags

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 Cuyahoga River AOC in Ohio. In general, the following steps were taken in developing the shapefile:
1. The previous AOC shapefile was obtained from EPA.
2. HUC 12 data from NHD Plus V2.1 were downloaded for the full extent of the AOC.
3. A narrative of the AOC was obtained from the State contact and/or taken from the AOC webpage (see narrative below).
4. The AOC shoreline (river and lake as applicable) of the previous shapefile was updated using the data from Step #2.
5. The extent of the AOC was determined from the narrative in Step #3 and/or the extent from the previous boundary and applied.
6. Utilizing aerial imagery (current and historic) and best professional judgement, manual edits to the shoreline were made if significant deviations were apparent due to man-made changes or possible errors.

Narrative: Amy Klei, OEPA, 10/31/2014. "The Cuyahoga AOC boundaries, established in 1988, originally included the lower 45 miles of the river from the Ohio Edison Gorge Dam at River Mile 45.1 in Cuyahoga Falls to the mouth of Lake Erie as well as approximately 10 miles of Lake Erie shoreline, from Edgewater Park on the west side of Cleveland to Wildwood Park on the east. The Cuyahoga River AOC includes drainage from Big Creek, West Creek, Mill Creek, Tinkers Creek, Sagamore Creek, Chippewa Creek, Brandywine Creek, Furnace Run, Yellow Creek, Sand Run, Mud Brook, Euclid Creek, Doan Brook, and Dugway-Ninemile-Green Creeks. These watersheds are within Cuyahoga, Lake, Medina and Summit counties. The AOC includes the Cuyahoga Valley National Park, which preserves 22 miles of river between the primary urban/industrial centers of Akron and Cleveland. On July 21, 2010 the upper AOC boundary was extended to River Mile 46.5 which encompasses the Gorge Dam pool and it's sediments."

Note: According to updated river mile markers (https://cuyahogariverwatertrail.org/interactive-map/), the Gorge Dam is located at approximately River Mile 44.5 and the Gorge Dam pool extends to approximately River Mile 45.9.

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), 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 -81.833346 **East** -81.292155
North 41.588225 **South** 40.992584

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
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   Cuyahoga River AOC Boundary, U.S. EPA Great Lakes National Program Office
PUBLICATION DATE   2021-05-27

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), 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_Cuyahoga_2021
   * SIZE   0.157
   * LOCATION   file://\\F5160-78SW8C3-L\C$\Users\justin.telech\OneDrive -
   GDIT\Documents\Legacy\aoc boundary work\Cuyahoga\Edits\Finalized\AOC_OH_Cuyahoga_2021.shp
      * ACCESS PROTOCOL   Local Area Network

Hide Resource Details ▲

Extents ►

EXTENT
  DESCRIPTION
    The Cuyahoga River AOC was designated an AOC in 1988.

  TEMPORAL EXTENT
    BEGINNING DATE   1988-01-01   00:00:00

EXTENT
  GEOGRAPHIC EXTENT
    BOUNDING RECTANGLE
      EXTENT TYPE   Extent used for searching
      * WEST LONGITUDE   -81.833346
      * EAST LONGITUDE   -81.292155
      * NORTH LATITUDE   41.588225
      * SOUTH LATITUDE   40.992584
      * EXTENT CONTAINS THE RESOURCE   Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM
  * WEST LONGITUDE   -81.833346
  * EAST LONGITUDE   -81.292155
  * SOUTH LATITUDE   40.992584
  * NORTH LATITUDE   41.588225
  * 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
      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

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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_Cuyahoga_2021
      * OBJECT TYPE   composite
      * OBJECT COUNT   1

    Hide Vector ▲

ARCGIS FEATURE CLASS PROPERTIES ▶
    FEATURE CLASS NAME   AOC_OH_Cuyahoga_2021
    * FEATURE TYPE   Simple
    * GEOMETRY TYPE   Polygon
    * HAS TOPOLOGY   FALSE
    * FEATURE COUNT   1

* SPATIAL INDEX   FALSE
* 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, AOC_OH_CUYAHOGA.shp

Hide Lineage ▲

Distribution ▶

DISTRIBUTION FORMAT
   * NAME   Shapefile
   VERSION   2021

TRANSFER OPTIONS
   TRANSFER SIZE   0.012

Hide Distribution ▲

Fields ▶

DETAILS FOR OBJECT AOC_OH_Cuyahoga_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_Cuyahoga_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   2021-06-01

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   2021-06-01   08:45:51
   LAST MODIFIED IN ARCGIS FOR THE ITEM   2021-06-01   10:48:36

   AUTOMATIC UPDATES
      HAVE BEEN PERFORMED   Yes
      LAST UPDATE   2021-06-01   10:46:54

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) ▼