Rochester Embayment AOC Boundary, U.S. EPA Great Lakes National Program Office

Shapefile

Thumbnail Not Available
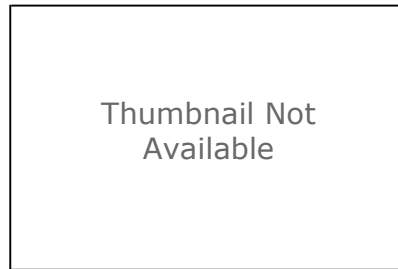
Tags

New York, Remediation, Environment, 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 Rochester Embayment AOC in Western New York. In general, the following steps were taken in developing the shapefile:
1. The previous AOC shapefile was obtained from EPA.
2. Shoreline data from NOAA, called Continually Updated Shoreline Product (CUSP), was 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: AOC Webpage, 3/29/2021. "The Rochester Embayment is a broad bay on the south shore of Lake Ontario at the mouth of the Genesee River. The Rochester Embayment AOC is defined as the approximately 35 square mile portion of Lake Ontario between Nine Mile Point in the Town of Webster (Monroe County, Lake Ontario Central Basin) and Bogus Point in the Town of Parma (Monroe County, Lake Ontario West Basin). The AOC also includes the approximately six-mile reach of the Genesee River, from the Lower Falls to the mouth, that is influenced by water levels in Lake Ontario."

Representatives of both EPA and NYDEC reviewed and approved the boundary. In instances where the AOC includes a watershed, those boundaries were delineated from data obtained through EPA's National Hydrography Dataset Plus (NHDPlus) Version 2.1.

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   -77.760109   **East**   -77.432209
North   43.341289   **South**   43.179211

Scale Range
Maximum (zoomed in)   1:5,000
Minimum (zoomed out)   1:150,000,000

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   New York

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   Remediation, Environment

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

4/9/2021

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 Rochester Embayment AOC Boundary, U.S. EPA Great Lakes National Program Office

  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_NY_Rochester_2021
    * SIZE 0.124
    * LOCATION file://\\F4040-DK8QYM2-L\C$\Users\Justin.Telech\Documents\Legacy\aoc boundary
    work\Rochester Embayment\Edits\Finalized\AOC_NY_Rochester_2021.shp
      * ACCESS PROTOCOL Local Area Network

  Hide Resource Details ▲

Extents ▶

  EXTENT

DESCRIPTION
The Rochester Embayment 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   -77.760109
* EAST LONGITUDE   -77.432209
* NORTH LATITUDE   43.341289
* SOUTH LATITUDE   43.179211
* EXTENT CONTAINS THE RESOURCE   Yes

EXTENT IN THE ITEM'S COORDINATE SYSTEM
* WEST LONGITUDE   -77.760109
* EAST LONGITUDE   -77.432209
* SOUTH LATITUDE   43.179211
* NORTH LATITUDE   43.341289
* 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_NY_Rochester_2021
    * **OBJECT TYPE** composite
    * **OBJECT COUNT** 1

Hide Vector ▲

ARCGIS FEATURE CLASS PROPERTIES ▶
    FEATURE CLASS NAME AOC_NY_Rochester_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, AOC_NY_ROCHESTER.shp

Hide Lineage ▲

Distribution ►

Distribution format
    * Name   Shapefile
    Version   2021

Transfer options
    Transfer size   0.012

Hide Distribution ▲

Fields ►

Details for object AOC_NY_Rochester_2021 ►
    * Type   Feature Class
    * Row count   1
    Definition
        he 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 Id ►
* ALIAS   Id
* DATA TYPE   Integer
* WIDTH   6
* PRECISION   6
* SCALE   0

Hide Field Id ▲

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_NY_Rochester_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   2021-03-29

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   2021-03-29   13:39:24
LAST MODIFIED IN ARCGIS FOR THE ITEM   2021-04-09   16:36:31

AUTOMATIC UPDATES
HAVE BEEN PERFORMED   Yes
LAST UPDATE   2021-04-09   16:36:31

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) ▼