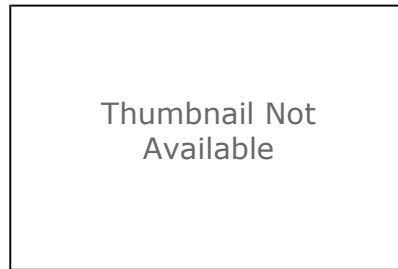


# St. Lawrence River AOC at Massena/Akwesasne Boundary, National Program Office AOC Boundary, U.S. EPA Great Lakes

## Shapefile



## Tags

New York, 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 St. Lawrence River AOC at Massena/Akwesasne. In general, the following steps were taken in developing the shapefile:

1. The current shapefile was downloaded from the AOC website on EPA.gov (AOC\_NY\_STLAWRENCE.shp).
2. A more recently edited version of the shapefile for the AOC boundary was obtained from the Saint Regis Mohawk Tribe (SRMT) (St. Lawrence AOC.shp), which contains a more accurate representation of the shoreline and AOC extent than AOC\_NY\_STLAWRENCE.shp. A shapefile defining the islands throughout the AOC (isles.shp) was also shared by the SRMT.
3. A narrative of the AOC (included below) was obtained from the SRMT.
4. The extent of the AOC was determined from the narrative.
5. The following revisions were made to St. Lawrence AOC.shp:
  - a. The area that defines the islands in isles.shp was removed.
  - b. The U.S./Canada boundary was updated using data from the International Boundary Commission (version 1.3).

Narrative: Aimee Benedict, Saint Regis Mohawk Tribe, 8/26/2020. "The St. Lawrence River at Massena/Akwesasne Area of Concern (AOC) includes two areas of interest for New York State. The first is the New York State waters of the St. Lawrence River upstream of the Canadian boundary to the Massena public water supply intake, the Grasse River from the mouth upstream to the breached dam in the village of Massena, the Raquette River from the mouth upstream to the NYS route 420 bridge, and the St. Regis River from the mouth upstream to NYS Route 37 bridge at Akwesasne, NY. The second area of special interest includes the non-U.S. waters from the Moses-Saunders Power Dam to the eastern outlet of Lake St. Francis, including provinces of Ontario, Quebec in Canada and Mohawk Council of Akwesasne Mohawk territory."

Representatives of both EPA, NYDEC, and SRMT 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 EPIBC U.S./Canada boundary v1.3 (<https://www.internationalboundarycommission.org/en/maps-coordinates/coordinates.php>).

### 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** -74.936837    **East** -74.637302  
**North** 45.015870    **South** 44.916281

### 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    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](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 St. Lawrence River AOC at Massena/Akwesasne Boundary, National Program Office AOC Boundary, U.S. EPA Great Lakes  
PUBLICATION DATE 2022-04-25

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 EPIBC U.S./Canada boundary v1.3 (<https://www.internationalboundarycommission.org/en/maps-coordinates/coordinates.php>).

### ARCGIS ITEM PROPERTIES

\* NAME AOC\_NY\_StLawrence\_2022  
\* SIZE 0.105  
\* LOCATION file:///F:\F5160-78SW8C3-L\C\$\Users\justin.telech\OneDrive - GDIT\Documents\Legacy\aac boundary work\St Lawrence\Edits\Finalized\AOC\_NY\_StLawrence\_2022.shp  
\* ACCESS PROTOCOL Local Area Network

[Hide Resource Details ▲](#)

**Extents** ▶

## EXTENT

## DESCRIPTION

The St. Lawrence River AOC at Massena/Akwesasne 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 -74.936837

\* EAST LONGITUDE -74.637302

\* NORTH LATITUDE 45.015870

\* SOUTH LATITUDE 44.916281

\* EXTENT CONTAINS THE RESOURCE Yes

## EXTENT IN THE ITEM'S COORDINATE SYSTEM

\* WEST LONGITUDE -74.936837

\* EAST LONGITUDE -74.637302

\* SOUTH LATITUDE 44.916281

\* NORTH LATITUDE 45.015870

\* 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

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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_StLawrence_2022
* OBJECT TYPE composite
* OBJECT COUNT 1
```

[Hide Vector ▲](#)

### ARCGIS FEATURE CLASS PROPERTIES ►

```
FEATURE CLASS NAME AOC_NY_StLawrence_2022
* 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\_STLAWRENCE.shp

[Hide Lineage ▲](#)

## Distribution ►

DISTRIBUTION FORMAT  
\* NAME Shapefile  
VERSION 2022

TRANSFER OPTIONS  
TRANSFER SIZE 0.012

[Hide Distribution ▲](#)

## Fields ►

DETAILS FOR OBJECT [AOC\\_NY\\_StLawrence\\_2022](#) ►

- \* 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 Program Office

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\\_StLawrence\\_2022 ▲](#)[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 2022-05-09

## 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 2022-05-04 18:17:50

LAST MODIFIED IN ARCGIS FOR THE ITEM 2022-05-09 16:48:50

## AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2022-05-09 16:48:50

[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) ▼**