

USACE Norfolk District, Section 408 Waters in NC, August 2019 - NC

Department of Transportation

Geodatabase Feature Class



Tags

North Carolina, US Army Corps of Engineers, USACE, Norfolk District, Section 408, Civil Works, Dismal Swamp Canal, 408 Categorical Permission, Norfolk COE, Channel, Boundaries, Inland Waters, Oceans, Transportation, NCDOT, Environment, Location, North Carolina, ATLAS

Summary

This dataset was originally created in January 2019 as part of the Project ATLAS initiative at NCDOT to support the Sweeping Environmental Group with project delivery in the development phase.

Areas represented in this layer are waters (and limited shoreline/land areas) designated as Civil Works projects as established in Section 14 of the Rivers and Harbors Act of 1899, which has since been amended several times and is codified at 33 USC 408 (Section 408). Section 408 waters elsewhere in NC are maintained by the Wilmington District of the USACE.

The intended use of this layer is to assist the Water Resources Division, Norfolk District, to identify 408 applications that do not need to go through the full 408 process. All 408 applications plotted outside of the layer do not need to go through the 408 process. However, if the application plots inside the layer boundary, a 408 process is triggered. This layer is designed for this purpose only. The usage of this layer is strictly for this purpose and should not be used under any circumstances for any type of analysis or any other purpose. This layer is for one use only, to designate if a full 408 determination is needed.

Description

The ATLAS NAO Section 408 Waters dataset is a polygon layer depicting dredged channels within the regulatory district of the Norfolk Corps of Engineers. Areas represented in this layer are waters (and limited shoreline/land areas) designated as Civil Works projects as established in Section 14 of the Rivers and Harbors Act of 1899, which has since been amended several times and is codified at 33 USC 408 (Section 408).

This dataset facilitates all permitting workflows, including PCN generation. Section 408 requires that the USACE to grant permission for another party to impact or alter a Civil Works project upon a determination that the alteration proposed will not be injurious to the public interest and will not impair the usefulness of the Civil Works project. SWEEPing intends to coordinate with the USACE Norfolk District to update the geometry of these areas to match ATLAS Open Waters geometry. No

additional data (attributes) are expected to be included.

Credits

The ATLAS Sweeping Environmental Group within NCDOT was tasked to create this dataset. Annual maintenance of this dataset is handled by the Sweeping Environmental Group. Support and maintenance of the enterprise spatial database where this data resides is handled by NCDIT's Transportation GIS Unit.

Use limitations

The North Carolina Department of Transportation shall not be held liable for any errors in this data. This includes errors of omission, commission, errors concerning the content of the data, and relative and positional accuracy of the data. This data cannot be construed to be a legal document. Primary sources from which this data was compiled must be consulted for verification of information contained in this data.

Datasets developed under Project ATLAS do not replace any Sweeping Environmental field work for future projects and may not be used as a replacement for site visits / field surveys by licensed professionals and hence should be used only as a supporting platform for decision making. Use of this dataset for project scoping or screening is merely pre-decisional.

Extent

West -77.094798

East -75.994914

North 36.563668

South 36.149622

Scale Range

Maximum (zoomed in) 1:5,000

Minimum (zoomed out) 1:625,000

Topics and Keywords

Themes or categories of the resource Oceans, Boundaries, Inland Waters, Location, Transportation, Environment

Content type Downloadable Data

Theme keywords US Army Corps of Engineers, USACE, Norfolk District, Section 408, Civil Works, Dismal Swamp Canal, 408 Categorical Permission, Norfolk COE, Channel, Boundaries, Inland Waters, Oceans, Transportation, NCDOT, Environment, Location, North Carolina, ATLAS

Thesaurus

Title User

Creation date 2019-01-01 00:00:00

Publication date 2019-08-28 00:00:00

Place keywords North Carolina

Thesaurus

Title User

Creation date 2019-01-01 00:00:00

Publication date 2019-08-28 00:00:00

Citation

Title USACE Norfolk District, Section 408 Waters in NC, August 2019 - NC Department of Transportation

Creation date 2019-01-01 00:00:00

Publication date 2019-08-28 00:00:00

Presentation formats digital map

FGDC geospatial presentation format vector digital data

Citation Contacts

Responsible party - point of contact

Organization's name North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

Contact's position Environmental Program Consultant

Contact information

Phone

Voice 919-707-6146

Address

Type physical

Delivery point Century Center Building B, 1020 Birch Ridge Drive

City Raleigh

Administrative area NC

Postal code 27610

Country US

e-mail address ATLAS@ncdot.gov

Hours of service

9:00am – 5:00pm Monday - Friday

Contact instructions

Please send an email with any issues, questions or comments regarding the ATLAS Data Search Tool, ATLAS Screening Tool or ATLAS Workbench. If it is an immediate need, please call the contact number or indicate as such in the subject line in an email.

Responsible party - resource provider

Organization's name North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

Contact's position Environmental Program Consultant

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Responsible party - originator

Organization's name North Carolina Department of Transportation - Sweeping Environmental Group

Contact's position Environmental Program Consultant

Contact information

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Voice 919-707-6146

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need, please call the contact number or indicate as such in the subject line in an email.

Resource Details

Dataset languages English (UNITED STATES)

Dataset character set utf8 - 8 bit UCS Transfer Format

Status completed

Spatial representation type vector

Processing environment Version 6.2 (Build 9200) ; Esri ArcGIS 10.8.1.14362

Credits

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Extents

Extent

Description

Data collection is complete.

Geographic extent

Bounding rectangle

West longitude -84.422111

East longitude -75.416034

South latitude 33.730557

North latitude 36.617257

Extent contains the resource Yes

Temporal extent

Beginning date 2019-01-01 00:00:00

Ending date 2019-01-01 00:00:00

Extent

Geographic extent

Bounding rectangle

Extent type Extent used for searching

West longitude -77.094798

East longitude -75.994914

North latitude 36.563668

South latitude 36.149622

Extent contains the resource Yes

Extent in the item's coordinate system

westBL 2562326.422049
eastBL 2882796.452579
southBL 886663.554280
northBL 1029535.056853
exTypeCode Yes

Resource Points of Contact

Point of contact - originator

Organization's name North Carolina Department of Transportation - Sweeping Environmental Group

Contact's position Environmental Program Consultant

Contact information

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Voice 919-707-6146

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Resource Maintenance

Resource maintenance

Update frequency annually

Scope of the updates dataset

Other maintenance requirements

Annual maintenance of this dataset is handled by the Sweeping Environmental Group. Support and maintenance of the enterprise spatial database where this data resides is handled by NCDIT's Transportation GIS Unit.

Maintenance contact - originator

Organization's name North Carolina Department of Transportation - Sweeping

Environmental Group

Contact's position Environmental Program Consultant

Contact information

Phone

Voice 919-707-6146

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Resource Constraints

Legal constraints

Limitations of use

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Security constraints

Classification unclassified

Classification system None

Limitations of use

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Constraints

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Spatial Reference

ArcGIS coordinate system

Type Projected

Geographic coordinate reference GCS_North_American_1983

Projection NAD_1983_StatePlane_North_Carolina_FIPS_3200_Feet

Coordinate reference details

ProjectedCoordinateSystem

WKID 102719

XOrigin -121841900

YOrigin -93659000

XYScale 36365718.124241434

ZOrigin 0

ZScale 1

MOrigin 0

MScale 1

XYTolerance 0.0032808333333333331

ZTolerance 0.001

MTolerance 0.001

HighPrecision true

LatestWKID 2264

WKT

```
PROJCS["NAD_1983_StatePlane_North_Carolina_FIPS_3200_Feet",GEOGCS["GCS_North_American_1983",PRIMEM["Greenwich",0],UNIT["Degree",0.7853981633974483],AUTHORITY["EPSG",7901],PARAMETER["Standard Parallel 1",34.33333333333334],PARAMETER["Standard Parallel 2",34.33333333333334],PARAMETER["False Easting",500000],PARAMETER["False Northing",500000],PARAMETER["False Scaling",1],UNIT["Foot",0.3048],AUTHORITY["EPSG",31471]]
```

Reference system identifier

Value 2264

Codespace EPSG

Version 6.12(9.0.0)

Spatial Data Properties

Vector

Level of topology for this dataset geometry only

Geometric objects

Feature class name GdbGisuPubC.ATLAS.NAOSection408Waters

Object type composite

Object count 5

ArcGIS Feature Class Properties

Feature class name GdbGisuPubC.ATLAS.NAOSection408Waters

Feature type Simple

Geometry type Polygon

Has topology FALSE

Feature count 5

Spatial index TRUE

Linear referencing FALSE

Data Quality

Scope of quality information

Resource level dataset

Data quality report - Completeness omission

Data quality measure reference

Measure description

After processing, the dataset is checked for drawing display and number of records and file sizes compared with source materials.

Conformance test results

Test passed Yes

Result explanation

Pass

Product specification

Title NCDOT Geospatial Data Specifications

Creation date 2019-01-01 00:00:00

Publication date 2019-08-28 00:00:00

Data quality report - Conceptual consistency

Data quality measure reference

Measure description

The dataset is converted to file geodatabase (FGDB) format using tools in ArcGIS. The geometry is checked, and if needed repaired.

Conformance test results

Test passed Yes

Result explanation

Pass

Product specification

Title NCDOT Geospatial Data Specifications

Creation date 2019-01-01 00:00:00

Publication date 2019-08-28 00:00:00

Data quality report - Quantitative attribute accuracy

Data quality measure reference

Measure description

Geometry checks were conducted using ESRI's Data Reviewer tool.

Conformance test results

Test passed Yes

Result explanation

Pass

Product specification

Title NCDOT Geospatial Data Specifications

Creation date 2019-01-01 00:00:00

Publication date 2019-08-28 00:00:00

Lineage

Lineage statement

The USACE Norfolk District provided these waters as a shapefile projected in NAD83, Virginia State Plane, feet. The shapefile was exported to geodatabase format with a projection of NAD83, NC State Plane, feet.

Process step

Description

Geodatabase was forwarded on to the GIS Unit for publishing as part of data for project ATLAS.

Process contact - originator

Organization's name North Carolina Department of Transportation - Sweeping Environmental Group

Contact's position Environmental Program Consultant

Contact information

Phone

Voice 919-707-6146

Address

Type physical

Delivery point Century Center Building B, 1020 Birch Ridge Drive

City Raleigh

Administrative area NC
Postal code 27610
Country US
e-mail address ATLAS@ncdot.gov

Hours of service

9:00am – 5:00pm Monday - Friday

Contact instructions

Please send an email with any issues, questions or comments regarding the ATLAS Data Search Tool, ATLAS Screening Tool or ATLAS Workbench. If it is an immediate need, please call the contact number or indicate as such in the subject line in an email.

Process step

Description

Point data was reviewed in ESRI's Data Reviewer tool to verify geometry. Overlapping geometries in the dataset were found and corrected.

Process contact - originator

Organization's name North Carolina Department of Transportation - Sweeping Environmental Group

Contact's position Environmental Program Consultant

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Process step

Description

The provided shapefile was projected in NAD83, Virginia State Plane, feet. This shapefile was

exported to geodatabase format with a projection of NAD83, NC State Plane, feet.

Process contact - originator

Organization's name North Carolina Department of Transportation - Sweeping Environmental Group

Contact's position Environmental Program Consultant

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Distribution

Distributor

Contact information - distributor

Organization's name North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

Contact's position Environmental Program Consultant

Contact information

Phone

Voice 919-707-6146

Address

Type physical

Delivery point Century Center Building B, 1020 Birch Ridge Drive

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Distribution format

Version 10.5

Name SDE Feature Class

Fields

Details for object GdbGisuPubC.ATLAS.NAOSection408Waters

Type Feature Class

Row count 5

Definition

The ATLAS NAO Section 408 Waters dataset is a polygon layer depicting dredged channels within the regulatory district of the Norfolk Corps of Engineers.

Definition source

NCDOT

Field OBJECTID

Alias OBJECTID

Data type OID

Width 4

Precision 10

Scale 0

Field description

Internal feature number.

Description source

Esri

Description of values

Sequential unique whole numbers that are automatically generated.

Field Shape

Alias Shape

Data type Geometry

Width 4

Precision 0

Scale 0

Field description

Feature geometry.

Description source

Esri

Description of values

Coordinates defining the features.

Field Name

Alias Name

Data type String

Width 50

Precision 0

Scale 0

Field description

River Name

Description source

NCDOT

Field DSource

Alias DataSource

Data type String

Width 254

Precision 0

Scale 0

Field description

Source from where data was obtained

Description source

NCDOT

Field Shape.STArea()

Alias Shape.STArea()

Data type Double

Width 0

Precision 0

Scale 0

Field Shape.STLength()

Alias Shape.STLength()

Data type Double

Width 0

Precision 0

Scale 0

Metadata Details

Metadata language English (UNITED STATES)

Metadata character set utf8 - 8 bit UCS Transfer Format

Scope of the data described by the metadata dataset

Scope name dataset

Last update 2026-10-13

ArcGIS metadata properties

Metadata format ArcGIS 1.0

Standard or profile used to edit metadata ISO19139

Metadata style ISO 19139 Metadata Implementation Specification

Created in ArcGIS for the item 2026-10-13 13:44:22

Last modified in ArcGIS for the item 2026-10-13 13:42:54

Automatic updates

Have been performed Yes

Last update 2026-10-13 13:42:40

Metadata Contacts

Metadata contact - point of contact

Organization's name North Carolina Department of Transportation - EAU Mitigation and Modeling Unit

Contact's position Environmental Program Consultant

Contact information

Phone

Voice 919-707-6146

Address

Type physical

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Metadata Maintenance

Maintenance

Update frequency as needed

Other maintenance requirements

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Maintenance contact - originator

Organization's name North Carolina Department of Transportation - Sweeping Environmental Group

Contact's position Environmental Program Consultant

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Metadata Constraints

Security constraints

Classification unclassified

Classification system None

Limitations of use

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Thumbnail and Enclosures

Thumbnail

Thumbnail type

Image file