

Data Management Plan (DMP) for National Waterway Network 1996-Present Dataset

U.S. Army Corps of Engineers (USACE)
Army Geospatial Center (AGC);
U.S. Department of Transportation (USDOT)
Bureau of Transportation Statistics (BTS)
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Persistent link: <https://doi.org/10.21949/1520809>

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Change log:

2021-04-14: Initial DMP written

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0. Dataset and Contact Information

Title of Dataset: National Waterway Network 1996-Present Dataset

URL: <https://doi.org/10.21949/1520809>

This is an ☒ initial DMP or a ☐ revised DMP.

Organizational Contact Information

Name: National Waterway Network 2001-Present
Institution: U.S. Army Corps of Engineers, Army Geospatial Center
Address: 7701 Telegraph Rd, Alexandria VA 22315
Email: WSD-REACHBACK@usace.army.mil

Data Distributor Contact Information

Name: National Transportation Atlas Database (NTAD)
Institution: U.S. Department of Transportation, Bureau of Transportation Statistics (BTS)
Address: 1200 New Jersey Ave. SE, Washington D.C. 20590
Email: ntad@dot.gov

1. Data Description:

The National Waterway Network is a comprehensive network database of the nation's navigable waterways. The data set covers the 48 contiguous states plus the District of Columbia, Hawaii, Alaska, Puerto Rico and water links between. The nominal scale of the dataset varies with the source material. The majority of the

information is at 1:100,000 with larger scales used in harbor/bay/port areas and smaller scales used in open waters.

2. Standards Employed:

The data files collected here are saved in the ubiquitous and common geospatial shapefile (.shp) format. As the files created for this ingest were migrations from the original format in a SQL geodatabase, each data file name includes a date stamp indicating when the data in the shapefile was from.

Documentation will include this data management plan, and the metadata and readme files created in 2020.

Documentation will also include the shapefiles, data dictionary, and relevant supporting files created alongside the data from 1996-Present.

A Project Open Data Version 1.1 .json metadata file will be created to describe the archival location of this data, and that .json file will be uploaded to data.gov and transportation.data.gov

Necessary software tools: The file formats found in the zip files include: .txt files which can be opened using any text editor; .dbf files, which can be opened with Microsoft Excel; .shapefiles (.shp, .shx, and .dbf) which can be opened with any GIS software program; and, .pdf files which can be opened with PDF readers.

3. Access Policies:

These data files are in the public domain, and can be shared without restriction. The data files contain no sensitive information.

4. Re-Use, Redistribution, and Derivative Products Policies:

These data are managed by the Bureau of Transportation Statistics. The data are in the public domain, and may be re-use without restriction.

Citation of the data is appreciated. Please use the following recommended citation:

U.S. Army Corps of Engineers, Army Geospatial Center; U.S. Department of Transportation, Bureau of Transportation Statistics (BTS) [distributor]. (2020). National Waterway Network 1996-Present [datasets]. <https://doi.org/10.21949/1520809>

5. Archiving and Preservation Plans:

The dataset will be archived in the National Transportation Library Repository and Open Science Access Portal (ROSA P). Prior to archiving, the data are stored on the secured BTS networks and drives, which are backed up nightly. The US DOT systems are secured from outside users and backed up daily.

Files in ROSA P are backed up in NTL drives at US DOT, daily; at the Centers for Disease Control, the repository managing facility, daily; and in Amazon Web Service Cloud servers in Virginia and Oregon daily.

The dataset will be retained in perpetuity.

NTL staff will mint persistent Digital Object Identifiers (DOIs) for each dataset stored in ROSA P. These DOIs will be associated with dataset documentation as soon as they become available for use.

The DOIs associated with this dataset include: <https://doi.org/10.21949/1520809>

The assigned DOI resolves to the repository landing page for the “National Waterway Network 1996-Present” dataset, so that users may locate associated metadata and supporting files.

ROSA P meets all the criteria outlined on the “Guidelines for Evaluating Repositories for Conformance with the DOT Public Access Plan” page: <https://ntl.bts.gov/publicaccess/evaluatingrepositories.html>

6. Policies Affecting this Data Management Plan

This dataset and its documentation was created to meet the requirements enumerated in the U.S. Department of Transportation's 'Plan to Increase Public Access to the Results of Federally-Funded Scientific Research' Version 1.1 << <https://doi.org/10.21949/1520559> >> and guidelines suggested by the DOT Public Access website << <https://doi.org/10.21949/1503647> >>, in effect and current as of December 03, 2020.