

Data Management Plan (DMP) for U.S. Waterway Locks 2013-Present Dataset

U.S. Army Corps of Engineers (USACE)
U.S. Army Corps of Engineers Navigation Data Center
U.S. Department of Transportation (USDOT)
Bureau of Transportation Statistics (BTS)
2021-04-14

Persistent link: <https://doi.org/10.21949/1520846>

Recommended Citation:

U.S. Army Corps of Engineers, U.S. Army Corps of Engineers Navigation Data Center; U.S. Department of Transportation, Bureau of Transportation Statistics [distributor]. (2020). U.S. Waterway Locks 2013-Present [datasets]. <https://doi.org/10.21949/1520846>.

Change log:

2021-04-14: Initial DMP written

CONTENTS

- 0. Dataset and Contact Information
 - 1. Data Description
 - 2. Standards Employed
 - 3. Access Policies
 - 4. Re-Use, Redistribution, and Derivative Products Policies
 - 5. Archiving and Preservation Plans
 - 6. Policies Affecting this Data Management Plan

0. Dataset and Contact Information

Title of Dataset: U.S. Waterway Locks 2013-Present Dataset

URL: <https://doi.org/10.21949/1520846>

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

Organizational Contact Information

Name: U.S. Waterway Locks 2013-Present

Institution: U.S. Army Corps of Engineers, U.S. Army Corps of Engineers Navigation Data Center

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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 Navigation Data Center had several objectives in developing the U.S. Locks Data. These objectives support the concept of a National Spatial Data Provide public access to national Locks data. Foster interagency and intra-

agency cooperation through data sharing. Provide a mechanism to integrate Locks data (U.S. Army Corps of Engineers Port/Facility and U.S. Coast Guard Accident Data, for example) Provide a basis for intermodal analysis. Assist standardization of Locks entity definitions (Ports/Facilities, Locks, etc.). Provide public access to the National Locks Network, which can be used as a base map to support graphical overlays and analysis with other spatial data (Locks and modal network/facility databases, for example). Provide reliable data to support future Locks and intermodal applications. Source of Data The data included in these files are based upon the Annual Summary of Lock Statistics published by the U.S. Army Corps of Engineers/CEIWR, Navigation Data Center. The data are collected at each Corps owned and/or operated Lock by Corps personnel and towing industry vessel operators. This data was collected from the US Army Corps of Engineers and distributed on the National Transportation Atlas Databases (NTAD) 2015.

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 2020-Present.

A Project Open Data Version 1.1 .xml metadata file will be created to describe the archival location of this data, and that .xml 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, U.S. Army Corps of Engineers Navigation Data Center; U.S. Department of Transportation, Bureau of Transportation Statistics (BTS) [distributor]. (2020). U.S. Waterway Locks 2013-Present [datasets]. <https://doi.org/10.21949/1520846>

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/10.21949/1520846>

The assigned DOI resolves to the repository landing page for the “U.S. Waterway Locks 2013-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.