README 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, Bureau of Transportation Statistics (BTS)[distributor]

2021-04-14

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LINKS TO DATASET
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A. Dataset archive link:
   https://doi.org/10.21949/1520846

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SUMMARY OF DATASET
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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.

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A. GENERAL INFORMATION
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0. Title of Dataset:
   U.S. Locks 2013-Present [datasets]

1. Description of Dataset:
   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. Dataset archive link:
   https://doi.org/10.21949/1520846

3. Authorship Information:
   Principal Data Creator or Data Manager Contact Information
        Institution: U.S. Army Corps of Engineers
        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), The Office of
        Spatial Analysis and Visualization (OSAV)
        Address: 1200 New Jersey Ave. SE, Washington D.C. 20590
        Email: ntad@dot.gov

4. Date of data collection and update interval:
   Every 2 weeks

5. Geographic location of data collection:
   United States of America.

6. Information about funding sources that supported the collection of the data:
   U.S. Army Corps of Engineers

B. SHARING/ACCESS & POLICIES INFORMATION
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0. Recommended citation for the data:
   U.S. Army Corps, Army Geospatial Center; U.S. Department of Transportation, Bureau of Transportation Statistics (BTS)[distributor]. (2020). NARN 2050-Present [datasets]. https://doi.org/10.21949/1520846

1. Licenses/restrictions placed on the data:
   These data are in the Public Domain.

2. Was data derived from another source?:
   No.

3. This dataset and its documentation was created and shared to meet the requirements enumerated in the U.S. 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.

C. DATA & RELATED FILE OVERVIEW
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1. File List for the bts_Locks_202104.zip collection

   A. Filename:
     locks_water_XXXX.zip
       Short description:
       Compressed file folders containing the geospatial data for U.S. Waterway Locks 2013-Present dataset.
       Listed below are the names of the compressed file folders, classified by vintage date:
       locks_water_2013.zip, locks_water_2014.zip

   B. Filename:
     bts_Locks_DMP_20210414.pdf
       Short description:
       A PDF file containing the Data Management Plan that was created for current and future management of
       The data and associated files.

   C. Filename:
     bts_Locks_20210414_README.txt
       Short description:
       The README.txt file that includes human-readable information about the data, variable definitions,
       contact information, and other contextual information. The file you are reading now.

2. File List for the locks_water_XXXX.zip collection

   A. Filename:
     locks.shp
       Short description:
       A shapefile containing the geospatial data for U.S. Waterway Locks 2013-Present dataset. This includes
       associated files with extensions .prj, .dbf, .sbn, .sbx, .shx.

   B. Filename:
     locks.txt
       Short description:
       A text file containing key metadata and documentation information such as methodology, procedures,
       data dictionary, etc.

D. METHODOLOGICAL INFORMATION
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1. Description of methods used for collection/generation of data:
Monthly summary statistics are based on data from the Lock Performance Monitoring System (LPMS). The LPMS was developed to collect a 100% sample of data on the locks that are owned and/or operated by the US Army Corps of Engineers. Each record contains data summarized monthly by lock chamber, and direction (upbound and number and types of vessels and lockages (recreation, commercial, tows, other), cuts, hardware operations, delay and processing times, number of tows and all vessels delayed, total tons, commodity tonnages, and number of barges. The data are by waterway and by calendar year. The waterway files contain 5 years of data for one waterway. The calendar year files contain 1 year of data for all waterways.

2. Instrument- or software-specific information needed to interpret the data:
   The data and documentation files can be opened with Esri ArcMap and any GIS software package.

E. DATA-SPECIFIC INFORMATION
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1. XXXXXX data table
   Data is updated every two weeks. Dataset Manager is contacted to verify changes to data resulting in NTAD update. The metadata is updated in the same manner. For the most recent data, please visit the NTAD catalog at https://data-usdot.opendata.arcgis.com/

A. Number of variables (columns):
   The data dictionary found in (TXT documentation) provides definitions for the variables

B. Data Dictionary/Variable List:
   Because of the large number of variables, please refer to the Data Dictionary found within the file locks.txt for names, definitions, and formats of variables.

C. Missing data codes:
   None

F. UPDATE LOG

This bts_Locks_202104_README.txt file was originally created on 2021-04-14 by Dominic Menegus, Geographer, dominic.menegus@dot.gov

[Note changes or update to the readme.txt file, e.g.:]

2021-04-14: Original file created