README for "Hydrographic Features 2002-Present" dataset.

U.S. Department of Transportation (USDOT), Federal Railroad Administration (FRA); Bureau of Transportation Statistics (BTS)[distributor]

2021-02-18

LINKS TO DATASET

A. Dataset archive link:
https://doi.org/10.21949/1520831

SUMMARY OF DATASET

The Hydrographic Features 2002-Present dataset is a single nationwide database that has polygons/attributes for major rivers and lakes, is consistent across state lines, and has the most accurate data available. This database will be used primarily for map production, basic queries, and was distributed as part of the National Transportation Atlas Databases (NTAD).

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A. GENERAL INFORMATION

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0. Title of Dataset:
Hydrographic Features 2002-Present [datasets]

1. Description of Dataset:
The Hydrographic Features 2002-Present dataset is a single nationwide database that has polygons/attributes for major rivers and lakes, is consistent across state lines, and has the most accurate data available. This database will be used primarily for map production, basic queries, and was distributed as part of the National Transportation Atlas Databases (NTAD).

2. Dataset archive link:
https://doi.org/10.21949/1520831

3. Authorship Information:
Principal Data Creator or Data Manager Contact Information
Institution: U.S. Department of Transportation, Research and Innovative Technology Administration's Bureau of Transportation Statistics (RITA/BTS)
Address: 1200 New Jersey Ave SE, Washington D.C. 20590
Email: frapa@dot.gov

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:
Quarterly

5. Geographic location of data collection:
United States of America, Dominion of Canada, United Mexican States

6. Information about funding sources that supported the collection of the data:
U.S. Department of Transportation (USDOT), Federal Railroad Administration (FRA)

B. SHARING/ACCESS & POLICIES INFORMATION

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0. Recommended citation for the data:
U.S. Department of Transportation, Bureau of Transportation Statistics (BTS)[distributor]. (2020). NARN 2050-Present [datasets]. https://doi.org/10.21949/1520831

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

2. Was data derived from another source?:
Yes. The hydro polygon/arc coverages were created using TIGER/LINE 2000 shapefile data gathered from ESRI's Geography Network.

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_Hydro_20210218.zip collection

A. Filename:
hydro_XXXX.zip
Short description:
Compressed file folders containing the geospatial data for Hydrographic Features 2002-Present dataset. Listed below are the names of the compressed file folders, classified by vintage date:
hydro_2002.zip, hydro_2006.zip

B. Filename:
bts_Hydro_DMP_20210218.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_Hydro_20210218_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 hydro_XXXX.zip collection

A. Filename:
hydrolin.shp
Short description:
A shapefile containing the geospatial data for Hydrographic Features 2002-Present dataset. This includes associated files with extensions .prj, .dbf, .sbn, .sbx, .shx.

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

C. Filename:
hydropol.shp
Short description:
A shapefile containing the geopatial data for Hydrographic Features 2002-Present dataset. This includes associated files with extensions .prj, .dbf, .sbn, .sbx, .shx.

D. Filename:
hydropol.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:
The hydro polygon/arc coverages were created using TIGER/LINE 2000 shapefile data gathered from ESRI's Geography Network. The individual county hydrography line shapefiles were processed into Arc/Info coverages and then appended together to create complete state coverages. They were then edited to remove unwanted features, leaving a state-by-state database of both important and navigable water features. Attributes were added to denote navigable features and names. Also, an attribute was added to the polygons to denote which were water and which were land features. The state databases were then appended together to create a single, nationwide hydrography network containing named arcs and polygons. These features also contain a state FIPS. Because some of the hydro features are represented by lines instead of polygons, the complete hydro dataset consists of 2 shapefiles, one for lines and one for polygons. They must be used together to paint a complete picture.

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 quarterly. 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 (PDF 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 hydrolin.txt, hydropol.txt for names, definitions, and formats of variables.

C. Missing data codes:

None

F. UPDATE LOG

This bts_Hydro_20210218_README.txt file was originally created on 2021-02-18 by Dominic Menegus, Geographer, dominic.menegus@dot.gov

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

2021-02-18: Original file created