MS Stream Gages 2024

Shapefile



Tags

Streamflow, Water, Stream Gage, Inland Waters, Hydrology, Drainage, Hydrography, Stream Gauge

Summary

Streamgage Monitoring Stations are used to collect information from bodies of water, including Temperature, Discharge, Gage height, and Specific conductance.

Description

This dataset represents all Streamgage Monitoring Stations from the U.S. Geological Survey, for the United States, Puerto Rico, and the U.S. Virgin Islands, in 2024. Gaging stations, or gages, measure the height (stage) and volume of flow at a point location on a water feature. Gages in this map layer were drawn from the National Water Information System (NWIS) Web Interface and linked to the National Hydrography Dataset Plus Version 2 (NHDPlusV2) flowline feature class. Each Streamgage point contains a link to the USGS Water Data site, which provides daily statistics reported from the station.Data pulled from GeoJSON: Release Rebuild with latest NWIS internetofwater/ref_gages · GitHubThe GeoJSON file references NHDPlusV2 identifiers and the "reference mainstems" which are governed here:https://github.com/internetofwater/ref_rivers/

** October 2024 - MARIS staff download the national layer; then clipped out the Mississippi portion using a 100 meter buffer polygon. ****

Credits

U.S. Geological Survey (USGS), Environmental Protection Agency (EPA), MARIS **Use limitations**

None (Public Domain Information)

Extent

West -91.686771 East -88.151960 North 35.001823 South 30.178386

Scale Range

Maximum (zoomed in) 1:5,000 **Minimum (zoomed out)** 1:150,000,000

ArcGIS Metadata ▶

Topics and Keywords ▶

THEMES OR CATEGORIES OF THE RESOURCE inlandWaters

* CONTENT TYPE Downloadable Data

EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No.

PLACE KEYWORDS Puerto Rico, Continental United States, U.S. Virgin Islands, Alaska, District of Columbia, Hawaii

THEME KEYWORDS Streamflow, Water, Stream Gage, Inland Waters, Hydrology, Drainage, Hydrography, Stream Gauge

Hide Topics and Keywords ▲

Citation ▶

TITLE MS Stream Gages 2024
PUBLICATION DATE 2024-10-18 00:00:00

PRESENTATION FORMATS digital map

Hide Citation ▲

Citation Contacts ▶

RESPONSIBLE PARTY

ORGANIZATION'S NAME U.S. Geological Survey (USGS) National Atlas of the United States CONTACT'S ROLE originator

Hide Citation Contacts

Resource Details ▶

DATASET LANGUAGES English (UNITED STATES)

DATASET CHARACTER SET utf8 - 8 bit UCS Transfer Format

SPATIAL REPRESENTATION TYPE **vector**

SUPPLEMENTAL INFORMATION

If you are using this dataset as a shapefile, please be aware that it was converted from a Geodatabase. As a result, this shapefile may have attribution and metadata errors resulting from the conversion process. The following are known issues: null values may have been changed to 0s (zeros) or to blank values, numbers (including latitude and longitude) may have been rounded up or down, there may be issues with Unicode character strings, and time cannot be stored in a date field. Field names may have been truncated to no longer than 10 characters or completely changed, lengthy string attributes may have been truncated to 254 characters, and attribute columns may have been deleted. Shapefiles do not support coded domains and subtypes therefore the original file geodatabase attribution and metadata information for coded domains and subtypes could be incorrect or missing in the shapefile version. Please visit the following ESRI website for more information: caution-http://pro.arcgis.com/en/pro-app/tool-reference/appendices/geoprocessing-considerations-for-Shapefile-output.htm

CREDITS

U.S. Geological Survey (USGS), Environmental Protection Agency (EPA), MARIS

^{*} PROCESSING ENVIRONMENT Version 6.2 (Build 9200); Esri ArcGIS 10.9.1.28388

```
ARCGIS ITEM PROPERTIES
     * NAME MS_StreamGages_2024
     * SIZE 0.089
     * LOCATION file://\DESKTOP-
     TP9LNVL\F$\DATA\00_HYDROLOGY\USGS_Hydro_Streamgage_2024\MS_StreamGages_20
     24.shp
      * ACCESS PROTOCOL Local Area Network
   Hide Resource Details A
Extents
   EXTENT
     GEOGRAPHIC EXTENT
      BOUNDING RECTANGLE
       WEST LONGITUDE -177.302244189992
       EAST LONGITUDE -53.1676191899999
       SOUTH LATITUDE 13.8718214065742
       NORTH LATITUDE 72.4584647341478
   EXTENT
     GEOGRAPHIC EXTENT
      BOUNDING RECTANGLE
       EXTENT TYPE Extent used for searching
       * WEST LONGITUDE -91.686771
       * EAST LONGITUDE -88.151960
       * NORTH LATITUDE 35.001823
       * SOUTH LATITUDE 30.178386
       * EXTENT CONTAINS THE RESOURCE Yes
   EXTENT IN THE ITEM'S COORDINATE SYSTEM
     * WEST LONGITUDE 323184.179435
     * EAST LONGITUDE 645879.798478
     * SOUTH LATITUDE 1044057.433479
     * NORTH LATITUDE 1577450.940149
     * EXTENT CONTAINS THE RESOURCE Yes
   Hide Extents ▲
Resource Points of Contact
   POINT OF CONTACT
     ORGANIZATION'S NAME U.S. Geological Survey (USGS) National Atlas of the United States
     CONTACT'S POSITION POC
     CONTACT'S ROLE point of contact
      CONTACT INFORMATION >
       PHONE
         VOICE 1-888-ASK-USGS (1-888-275-8747)
       ADDRESS
         DELIVERY POINT 12201 Sunrise Valley Drive
         CITY Reston
```

ADMINISTRATIVE AREA VA

POSTAL CODE 20192 COUNTRY US E-MAIL ADDRESS atlasmail@usgs.gov

CONTACT INSTRUCTIONS

For questions about this map layer or metadata, please contact the National Atlas using the information above, or through the U.S. Geological Survey contact page at http://www.usgs.gov/ask/. For distribution questions, please see the Distribution Information elsewhere in this metadata.

Hide Contact information A

Hide Resource Points of Contact ▲

Resource Maintenance >

RESOURCE MAINTENANCE

UPDATE FREQUENCY irregular

Hide Resource Maintenance ▲

Resource Constraints >

LEGAL CONSTRAINTS

USE CONSTRAINTS other restrictions

OTHER CONSTRAINTS

Other Constraints

LEGAL CONSTRAINTS

Access constraints other restrictions

OTHER CONSTRAINTS

Other Constraints

LEGAL CONSTRAINTS
LIMITATIONS OF USE

Although these data have been processed successfully on a computer system at the U.S. Geological Survey, no warranty expressed or implied is made by the U.S. Geological Survey regarding the utility of the data on any other system, nor shall the act of distribution constitute any such warranty. No responsibility is assumed by the U.S. Geological Survey in the use of these data. Distributor assumes no liability for misuse of data.

OTHER CONSTRAINTS

None (Public Domain Information)

CONSTRAINTS

LIMITATIONS OF USE

None (Public Domain Information)

Hide Resource Constraints ▲

Spatial Reference ▶

```
ARCGIS COORDINATE SYSTEM
    * Type Projected
    * GEOGRAPHIC COORDINATE REFERENCE GCS North American 1983
    * PROJECTION NAD 1983 Mississippi TM
    * COORDINATE REFERENCE DETAILS
        PROJECTED COORDINATE SYSTEM
            Well-known identifier 102609
            X ORIGIN -5122200
            Y ORIGIN -12297100
            XY SCALE 450339697.45066422
            Z ORIGIN -100000
            Z SCALE 10000
            M ORIGIN -100000
            M SCALE 10000
            XY TOLERANCE 0.001
            Z TOLERANCE 0.001
            M TOLERANCE 0.001
            HIGH PRECISION true
            LATEST WELL-KNOWN IDENTIFIER 3814
            WELL-KNOWN TEXT
            PROJCS["NAD_1983_Mississippi_TM",GEOGCS["GCS_North_American_1983",DATUM["D
            _North_American_1983",SPHEROID["GRS_1980",6378137.0,298.257222101]],PRIMEM[
            "Greenwich", 0.0], UNIT["Degree", 0.0174532925199433]], PROJECTION["Transverse\_Merrough Frank 
            cator"],PARAMETER["False_Easting",500000.0],PARAMETER["False_Northing",1300000.
            0],PARAMETER["Central_Meridian",-
            89.75], PARAMETER ["Scale_Factor", 0.9998335], PARAMETER ["Latitude_Of_Origin", 32.5],
            UNIT["Meter",1.0],AUTHORITY["EPSG",3814]]
REFERENCE SYSTEM IDENTIFIER
    * VALUE 3814
    * CODESPACE EPSG
    * VERSION 6.17.1(10.0.0)
Hide Spatial Reference
```

Spatial Data Properties ▶

```
VECTOR >
 * Level of topology for this dataset geometry only
 GEOMETRIC OBJECTS
  FEATURE CLASS NAME MS StreamGages 2024
  * OBJECT TYPE point
  * OBJECT COUNT 3345
  Hide Vector A
ARCGIS FEATURE CLASS PROPERTIES
 FEATURE CLASS NAME MS_StreamGages_2024
  * FEATURE TYPE Simple
```

- * GEOMETRY TYPE Point
- * HAS TOPOLOGY FALSE
- * FEATURE COUNT 3345
- * SPATIAL INDEX TRUE
- * LINEAR REFERENCING FALSE

Hide ArcGIS Feature Class Properties ▲

Hide Spatial Data Properties A

Data Quality ▶

Scope of quality information Resource Level dataset

Hide Scope of quality information ▲

DATA QUALITY REPORT - COMPLETENESS OMISSION MEASURE DESCRIPTION

This map layer contains selected stream gages in the United States, Puerto Rico, and the U.S. Virgin Islands. Sites were selected only if they were within the terrestrial and coastal boundaries of the U.S., they had a corresponding stream in the National Atlas Streams 1:1M map layer, they had one of the following site types: > Canal > Ditch > Diversion > Estuary > Lake, Reservoir, Impoundment > Spring > Stream > Tidal Stream > Wetland > and they had daily values in the following list of parameters: > 00060 - Streamflow, ft/s > 00065 - Gage height, ft > 00054 - Reservoir storage, acreft > 00053 - Surface Area, acres > 00055 - Stream velocity, ft/s > 00059 - Streamflow rate, gal/min > 00062 - Reservoir elevation, ft > 50042 - Discharge, gallons per minute > 50051 - Flow rate, instantaneous, million gallons per day > 72022 - Reservoir contents, M/gal > 99020 - Elevation above NGVD 1929, ft > 99060 - Streamflow, m/s > 99065 - Gage height, m

Hide Data quality report - Completeness omission ▲

DATA QUALITY REPORT - TOPOLOGICAL CONSISTENCY EVALUATION METHOD

Stream gage positions were checked against streams in the National Atlas Streams 1:1M 2014 map layer to ensure that each gage has a corresponding 1:1M stream and no gage is associated with more than one stream. Stream_IDs and ReachCodes were compared to Stream_IDs and ReachCodes in the National Atlas Streams 1:1M 2014 map layer to ensure that corresponding gages and streams have identical values. Stream gages downloaded from NWIS Web were compared to aerial imagery and topographic maps to ensure they are located on the correct stream. Attributes were checked for nulls and valid values. Stream gages were checked to ensure that they are within national boundaries and coastlines. Stream gage positions were checked against streams in the National Atlas Streams 1:1M 2014 map layer to ensure that each gage has a corresponding 1:1M stream and no gage is associated with more than one stream. Stream IDs and ReachCodes

in the National Atlas Streams 1:1M 2014 map layer to ensure that corresponding gages and streams have identical values. Stream gages downloaded from NWIS Web were compared to aerial imagery and topographic maps to ensure they are located on the correct stream. Attributes were checked for nulls and valid values. Stream gages were checked to ensure that they are within national boundaries and coastlines.

Hide Data quality report - Topological consistency ▲

DATA QUALITY REPORT - CONCEPTUAL CONSISTENCY MEASURE DESCRIPTION

Stream gage positions were checked against streams in the National Atlas Streams 1:1M 2014 map layer to ensure that each gage has a corresponding 1:1M stream and no gage is associated with more than one stream. Stream IDs and ReachCodes were compared to Stream IDs and ReachCodes in the National Atlas Streams 1:1M 2014 map layer to ensure that corresponding gages and streams have identical values. Stream gages downloaded from NWIS Web were compared to aerial imagery and topographic maps to ensure they are located on the correct stream. Attributes were checked for nulls and valid values. Stream gages were checked to ensure that they are within national boundaries and coastlines. Stream gage positions were checked against streams in the National Atlas Streams 1:1M 2014 map layer to ensure that each gage has a corresponding 1:1M stream and no gage is associated with more than one stream. Stream IDs and ReachCodes were compared to Stream IDs and ReachCodes in the National Atlas Streams 1:1M 2014 map layer to ensure that corresponding gages and streams have identical values. Stream gages downloaded from NWIS Web were compared to aerial imagery and topographic maps to ensure they are located on the correct stream. Attributes were checked for nulls and valid values. Stream gages were checked to ensure that they are within national boundaries and coastlines.

Hide Data quality report - Conceptual consistency ▲

DATA QUALITY REPORT - ABSOLUTE EXTERNAL POSITIONAL ACCURACY MEASURE DESCRIPTION

Most gages had their location reviewed during the creation of the NHDPlus version 1 and version 2 source data and therefore reflect the accuracy of those sources. Gages from NWIS Web had their location reviewed during the creation of this data set. Gages were located on (snapped to) streams in the National Atlas Streams 1:1M 2014 map layer. The streams had been generalized, and in some cases moved as much as 300 meters from nearby transportation features, so gages were relocated along with their corresponding stream.

Hide Data quality report - Absolute external positional accuracy ▲

The Gage_ID and Site_NO attributes were checked for duplicates and null values. All features have unique values. The values for Site TP CD, Lat NWIS, Long NWIS, Lat 1M, and Long 1M were checked to ensure that there are no null values and that all values are in the correct domain. Values in the ReachCode field were checked to ensure that there are no null values. They were cross-checked with the Huc8 and Region values, and were checked against the ReachCode for the corresponding stream in the National Atlas Streams 1:1,000,000-scale (1:1M) map layer. Values in the Stream_ID field were checked to ensure that there are no null values. Stream_IDs were also compared to Stream IDs in the National Atlas Streams 1:1M map layer to ensure that corresponding gages and streams have identical codes. Values in the Region and Huc8 fields were checked to ensure that there are no null values and all values are in the correct domain. Selections by attribute and location were used to ensure the region code matches the region the gage is in. Values in the State and State FIPS fields were checked to ensure that there are no null values and all values are in the correct domain. All remaining attribute fields were checked to ensure that there are no null values.

Hide Data quality report - Quantitative attribute accuracy ▲

Hide Data Quality ▲

Lineage ▶

LINEAGE STATEMENT

Data was created from GeoJSON file hosted

https://github.com/internetofwater/ref_gages/releases/tag/v0.8. The GeoJSON file references NHDPlusV2 identifiers and the "reference mainstems" which are governed here: https://github.com/internetofwater/ref_rivers/ It's probably best to just reference NHDPlusV2 as the key spatial data and link to and this service for the registry of mainstem river IDs that the gages are linked to.

https://reference.geoconnex.us/collections/mainstems

PROCESS STEP DESCRIPTION

Made 'Station_NM' attribute column all caps and removed extra spaces. Transferred ESRI metadata to FGDC metadata.

PROCESS CONTACT
ORGANIZATION'S NAME HIFLD Support Team
CONTACT'S ROLE processor

Hide Process step ▲



Calculation of Review The Review attribute provides information about when the gage location was reviewed, or about what entity reviewed the location of the gage during

data compilation. It was calculated primarily from the Reviewed attribute in the NHDPlus version 1 and version 2 source data sets.

Hide Process step ▲

PROCESS STEP

WHEN THE PROCESS OCCURRED 2009-01-01 00:00:00 DESCRIPTION

Selection of Gages from NHDPlus V1 Stream Gages Gages were obtained from the NHDPlus V1 Gages. If the gage's reach code matched a reach code in the National Atlas Streams 1:1M map layer then the gage was included and snapped to the nearest point on the nearest stream. The reach code of the gage was compared to the reach code of the stream the gage snapped to. If the codes were not identical then the station name for the gage was compared to topographic map stream names to determine if the gage should be moved to a different stream with a matching reach code or if the reach code for the gage should be corrected.

Hide Process step ▲

PROCESS STEP

WHEN THE PROCESS OCCURRED 2010-01-01 00:00:00 DESCRIPTION

Selection of Gages from the National Water Information System Web Interface The NHDPlus V1 Gages were from 2004. Additional gages were obtained from NWIS Web to supplement the NHDPlus V1 Gages. Gages were downloaded in February 2010, and gages with daily data in the following categories were selected: > > Parameter code = 00060 - Streamflow, ft3/s > Parameter code = 00065 - Gage height, ft > Parameter code = 00054 - Reservoir storage, acre-ft > Parameter code = 00053 - Surface Area, acres > Parameter code = 00055 - Stream velocity, ft/s > Parameter code = 00059 - Streamflow rate, gal/min > Parameter code = 00062 - Reservoir elevation, ft > Parameter code = 50042 - Discharge, gallons per minute > Parameter code = 50051 - Flow rate, instantaneous, million gallons > per day > Parameter code = 72022 - Reservoir contents, M gal > Parameter code = 99020 - Elevation above NGVD 1929, ft > Parameter code = 99060 - Streamflow, m3/s > Parameter code = 99065 - Gage height, m

Hide Process step ▲

PROCESS STEP

WHEN THE PROCESS OCCURRED 2011-01-01 00:00:00 DESCRIPTION

Selection of Additional Gages and Streams Gages from the NWIS Web download were snapped to streams in the National Atlas Streams 1:1M. If the gage couldn't be snapped to a 1:1M stream, it was snapped to the NHDPlus V1 NHDFlowlines, or in

Alaska, to the High-Resolution NHDFlowlines. Any gages that could not be snapped to one of these three sources were deleted. To determine if gages were snapped to the correct stream, the station name was compared to stream names from National Atlas Streams 1:1M, NHDPlus V1 NHDFlowline, High-Resolution NHDFlowline, topographic maps, and aerial imagery. The 1:1M gages and streams were edited simultaneously. Gages were used to determine if additional streams should be added to the streams map layer, and streams were used to determine if gages should be added in the gages map layer. Gages were reviewed visually, using topographic maps, aerial imagery, NHDPlus V1 NHDFlowlines, High-Resolution NHDFlowline, and National Atlas Streams 1:1M. Gages were not added to the map layer if adding their corresponding stream was inconsistent with the density of streams in the area, if other gages on similar streams were nearby, if the stream order was lower than other streams in the area, or if the gage was on a canal. At the same time, the stream was added to the National Atlas Streams 1:1M map layer.

Hide Process step ▲

PROCESS STEP

WHEN THE PROCESS OCCURRED 2014-01-01 00:00:00 DESCRIPTION

Selection of Gages from NHDPlus V2 Gages NHDPlus V2 Gages were checked to see if they had matching reach codes in National Atlas Streams 1:1M 2014. If they had a matching reach code and they were not already in the gages map layer, they were snapped to the stream and added. NHDPlus V2 Gages that did not have a matching reach code in the streams were reviewed if their drainage area was greater than 100 square miles. The station name for the gage was checked against topographic maps, imagery, and stream names to determine if the gage should be moved to a different stream, have its reach code changed, and be added to the gages map layer

Hide Process step ▲

PROCESS STEP

WHEN THE PROCESS OCCURRED 2014-01-01 00:00:00 DESCRIPTION

Calculation of Stream_ID The Stream_ID is the unique identifier of the stream that the gage is snapped to. The value comes from the National Atlas Streams 1:1M 2014 map layer and links the two map layers together. There may be more than one gage sharing the same Stream_ID. No gage has more than one Stream_ID.

Hide Process step ▲

PROCESS STEP

WHEN THE PROCESS OCCURRED 2014-01-01 00:00:00 DESCRIPTION

Combination of NHDPlus V2 Gage Locations and Gage Info The NHDPlus V2 Gage Locations and Gage Info files were downloaded from the NHDPlus website. The Gage Info table was joined to the Gage Locations table and the combined data were exported to a new feature class.

Hide Process step ▲

PROCESS STEP

WHEN THE PROCESS OCCURRED 2014-01-01 00:00:00 DESCRIPTION

Calculation of Source The value for the Source attribute was determined from the data set from which the gage was obtained.

Hide Process step ▲

PROCESS STEP

WHEN THE PROCESS OCCURRED 2014-01-01 00:00:00 DESCRIPTION

Calculation of State Abbreviation and FIPS codes The gages were intersected with the National Atlas States 1:1M 2014 map layer to transfer the State abbreviations and Federal Information Processing Series (FIPS) codes. The intersected layer was analyzed to determine which gages fell in multiple States. For gages on State boundaries, the State abbreviations and FIPS codes were concatenated with a hyphen to include information from multiple States. Gages outside the boundaries of the States layer were removed.

Hide Process step ▲

PROCESS STEP

WHEN THE PROCESS OCCURRED 2014-01-01 00:00:00 DESCRIPTION

Calculation of Region and HUC8 The two-digit region code (Hydrologic Unit Code or HUC) was calculated from the first two digits of the reach code. The eight-digit subbasin code (Hydrologic Unit Code or HUC) was calculated from the first eight digits of the reach code.

Hide Process step ▲

PROCESS STEP

WHEN THE PROCESS OCCURRED 2014-01-01 00:00:00

DESCRIPTION

Calculation of the Gage_ID The Gage_ID is the unique identifier for gages in the 1:1M map layer. The starting number is 100,001.

Hide Process step ▲

PROCESS STEP

WHEN THE PROCESS OCCURRED 2014-01-01 00:00:00 DESCRIPTION

Calculation of Reach Code National Atlas Streams 1:1M 2014 has reach codes that were updated to match the reach codes in NHDPlus V2 NHDFlowlines in the 48 conterminous States; High-Resolution NHDFlowlines in Alaska, Puerto Rico, and the U.S. Virgin Islands; and Medium-Resolution NHDFlowlines in Hawaii. All 1:1M gages were checked and, if necessary, their reach codes were updated to match their corresponding stream in National Atlas Streams 1:1M 2014.

Hide Process step ▲

PROCESS STEP

WHEN THE PROCESS OCCURRED 2014-01-01 00:00:00

Calculation of Measure Gages were intersected with National Atlas Streams 1:1M 2014 and each gage was assigned a measure that corresponds to its location on a reach. Measures range from 0 to 100 and record the distance, as a percentage, from the downstream end of a reach. If a reach is composed of more than one stream segment, the measure is based on the length of the entire group of segments that comprise the reach. Measures are used in linear referencing.

Hide Process step ▲

PROCESS STEP

WHEN THE PROCESS OCCURRED 2014-01-01 00:00:00 DESCRIPTION

Integration of Gages with Version 2 of the 1:1M Streams National Atlas Streams 1:1M 2014 (version 2 of the streams map layer) contains minor adjustments along the U.S.-Canada border and in other places where the data were improved or corrected. Gages were checked to verify that they were snapped to the correct stream and were moved if necessary.

Hide Process step ▲

PROCESS STEP

WHEN THE PROCESS OCCURRED 2014-01-01 00:00:00 DESCRIPTION

Calculation of NWISWeb The URL for the gage's NWIS web page was calculated by concatenating the gage's site number and a generic NWISWeb URL.

Hide Process step ▲

PROCESS STEP

WHEN THE PROCESS OCCURRED 2014-01-01 00:00:00 DESCRIPTION

Calculation of Lat_1M and Long_1M Latitude and longitude coordinates were calculated for the location of the gage using ArcGIS. These coordinates may be different from the coordinates in NWIS because the streams the gages are on have been generalized and moved for cartographic reasons.

Hide Process step ▲

PROCESS STEP

WHEN THE PROCESS OCCURRED 2014-01-01 00:00:00

Calculation of Agency_CD, Site_NO, Station_NM, Site_TP_CD, Lat_NWIS, Long_NWIS Attributes values for Agency_CD, Site_NO, Station_NM, Site_TP_CD, Lat_NWIS, Long_NWIS were determined from the agency_cd, site_no, station_nm, site_tp_cd, dec_lat_va, and dec_long_va values in NWIS Web.

Hide Process step ▲

PROCESS STEP

WHEN THE PROCESS OCCURRED 2024-03-21 00:00:00 DESCRIPTION

David Blodgett provided the most recent available dataset for Gages, which is still being developed between USGS and EPA. HIFLD generated a Feature Service based on the GeoJSON file provided by USGS.

https://github.com/internetofwater/ref_gages/releases/tag/v0.8. Additional updates are likely to occur over the next year.

PROCESS CONTACT
INDIVIDUAL'S NAME David Blodgett

```
ORGANIZATION'S NAME U.S. Geological Survey CONTACT'S ROLE originator

Hide Process step ▲
```

Hide Lineage ▲

Geoprocessing history ▶

```
PROCESS
PROCESS NAME
DATE 2024-10-18 07:44:19
TOOL LOCATION c:\program files (x86)\arcgis\desktop10.8\ArcToolbox\Toolboxes\Analysis
Tools.tbx\Clip
COMMAND ISSUED
Clip
USGS_Hydro_Network_Linked_Data_Index_(NLDI)_Streamgage_Monitoring_Locations
stbnd_100_buff
F:\DATA\00_HYDROLOGY\USGS_Hydro_Streamgage_2024\MS_StreamGauges_2024_LL.shp
#
INCLUDE IN LINEAGE WHEN EXPORTING METADATA NO
```

Hide Geoprocessing history ▲

Distribution ▶

```
DISTRIBUTOR
 CONTACT INFORMATION
  INDIVIDUAL'S NAME Lucinda D. McKay
  ORGANIZATION'S NAME U.S. Geological Survey
  CONTACT'S POSITION distributor
  CONTACT'S ROLE distributor
    CONTACT INFORMATION >
      ADDRESS
       COUNTRY US
       E-MAIL ADDRESS nhdplus-support@epa.gov
       E-MAIL ADDRESS nhd@usqs.gov
      Hide Contact information ▲
 AVAILABLE FORMAT
  NAME Vector Digital Data Set (Point)
 ORDERING PROCESS
  TERMS AND FEES None. No fees are applicable for obtaining the data set.
  Hide Distributor ▲
```

DISTRIBUTION FORMAT

* NAME Shapefile

```
VERSION 10.8.2
   TRANSFER OPTIONS
     * TRANSFER SIZE 0.089
     ONLINE SOURCE
      LOCATION https://www.epa.gov/waterdata/get-nhdplus-national-hydrography-dataset-
      plus-data
   Hide Distribution ▲
Fields ▶
   DETAILS FOR OBJECT MS_StreamGages_2024 ▶
     * TYPE Feature Class
     * ROW COUNT 3345
     FIELD FID >
      * ALIAS FID
      * DATA TYPE OID
      * WIDTH 4
      * PRECISION 0
      * SCALE 0
      * FIELD DESCRIPTION
         Internal feature number.
      * DESCRIPTION SOURCE
         Esri
      * DESCRIPTION OF VALUES
         Sequential unique whole numbers that are automatically generated.
       Hide Field FID ▲
     FIELD Shape ▶
      * ALIAS Shape
      * DATA TYPE Geometry
      * WIDTH 0
      * PRECISION 0
      * SCALE 0
      * FIELD DESCRIPTION
         Feature geometry.
      * DESCRIPTION SOURCE
         Esri
```

* DESCRIPTION OF VALUES

Coordinates defining the features.

Hide Field Shape ▲

FIELD id ▶

- * ALIAS id
- * DATA TYPE String
- * WIDTH 15
- * PRECISION 0
- * SCALE 0

Hide Field id ▲

FIELD uri

- * ALIAS uri
- * DATA TYPE String
- * WIDTH 61
- * PRECISION 0
- * SCALE 0

Hide Field uri A

FIELD name

- * ALIAS name
- * DATA TYPE String
- * WIDTH 50
- * PRECISION 0
- * SCALE 0

Hide Field name ▲

FIELD descriptio ▶

- * ALIAS descriptio
- * DATA TYPE String
- * WIDTH 100
- * PRECISION 0
- * SCALE 0

Hide Field descriptio ▲

FIELD subjectOf ▶

- * ALIAS subjectOf
- * DATA TYPE String
- * WIDTH 62
- * PRECISION 0

Hide Field subjectOf ▲

FIELD provider ▶

- * ALIAS provider
- * DATA TYPE String
- * WIDTH 26
- * PRECISION 0
- * SCALE 0

Hide Field provider ▲

FIELD provider i ▶

- * ALIAS provider_i
- * DATA TYPE String
- * WIDTH 20
- * PRECISION 0
- * SCALE 0

Hide Field provider_i ▲

FIELD nhdpv2_REA ▶

- * ALIAS nhdpv2_REA
- * DATA TYPE String
- * WIDTH 14
- * PRECISION 0
- * SCALE 0

Hide Field nhdpv2_REA ▲

FIELD nhdpv2_R_1 ▶

- * ALIAS nhdpv2_R_1
- * DATA TYPE Double
- * WIDTH 19
- * PRECISION 18
- * SCALE 15

Hide Field nhdpv2_R_1 ▲

FIELD nhdpv2_COM ▶

- * ALIAS nhdpv2_COM
- * DATA TYPE Integer
- * WIDTH 9
- * PRECISION 9

Hide Field nhdpv2 COM ▲

FIELD ObjectId ▶

- * ALIAS ObjectId
- * DATA TYPE Integer
- * WIDTH 6
- * PRECISION 6
- * SCALE 0

Hide Field ObjectId ▲

Hide Details for object MS_StreamGages_2024 ▲

Hide Fields ▲

Metadata Details ▶

METADATA LANGUAGE English (UNITED STATES)

METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

METADATA IDENTIFIER 1501015718122r4977206723976242

Scope of the data described by the metadata dataset

SCOPE NAME * dataset

* LAST UPDATE 2024-10-18

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0

METADATA STYLE ISO 19139 Metadata Implementation Specification STANDARD OR PROFILE USED TO EDIT METADATA ISO19139

CREATED IN ARCGIS FOR THE ITEM 2024-10-18 07:46:12

CREATED IN ARCGIS FOR THE ITEM 2024-10-18 07:46:12

LAST MODIFIED IN ARCGIS FOR THE ITEM 2024-10-18 75:14:60

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes

LAST UPDATE 2024-10-18 07:47:51

Hide Metadata Details A

Metadata Contacts ▶

METADATA CONTACT

ORGANIZATION'S NAME National Atlas of the United States CONTACT'S POSITION Point of Contact

CONTACT'S ROLE point of contact

CONTACT INFORMATION >

PHONE

VOICE 1-888-ASK-USGS (1-888-275-8747)

ADDRESS

DELIVERY POINT 12201 Sunrise Valley Drive
CITY Reston
ADMINISTRATIVE AREA VA
POSTAL CODE 20192
COUNTRY US

E-MAIL ADDRESS atlasmail@usgs.gov

Hide Contact information ▲

Hide Metadata Contacts A

Metadata Constraints ▶

SECURITY CONSTRAINTS
CLASSIFICATION unclassified
CLASSIFICATION SYSTEM None.

Hide Metadata Constraints ▲

Thumbnail and Enclosures ▶

THUMBNAIL

THUMBNAIL TYPE JPG

Hide Thumbnail and Enclosures

FGDC Metadata (read-only) ▼

DETAILED DESCRIPTION ENTITY TYPE

ENTITY TYPE LABEL MS_StreamGages_2024

ATTRIBUTE

ATTRIBUTE LABEL FID ATTRIBUTE DEFINITION

Internal feature number.

ATTRIBUTE DEFINITION SOURCE Esri

ATTRIBUTE DOMAIN VALUES UNREPRESENTABLE DOMAIN

Sequential unique whole numbers that are automatically generated.

ATTRIBUTE

ATTRIBUTE LABEL Shape

ATTRIBUTE DEFINITION

Feature geometry.

ATTRIBUTE DEFINITION SOURCE Esri

ATTRIBUTE DOMAIN VALUES
UNREPRESENTABLE DOMAIN
Coordinates defining the features.

ATTRIBUTE
ATTRIBUTE LABEL id

ATTRIBUTE
ATTRIBUTE LABEL Uri

ATTRIBUTE
ATTRIBUTE LABEL name

ATTRIBUTE
ATTRIBUTE LABEL descriptio

ATTRIBUTE
ATTRIBUTE LABEL SUBjectOf

ATTRIBUTE ATTRIBUTE LABEL provider

ATTRIBUTE ATTRIBUTE LABEL provider_i

ATTRIBUTE
ATTRIBUTE LABEL nhdpv2_REA

ATTRIBUTE ATTRIBUTE LABEL nhdpv2_R_1

ATTRIBUTE ATTRIBUTE LABEL nhdpv2_COM

ATTRIBUTE ATTRIBUTE LABEL ObjectId

Hide Entities and Attributes ▲