



# Metadata for Commercially Navigable Waterways

Version 5 - Release 1

## Identification Information

### ***Identification\_Information:***

#### ***Citation:***

#### ***Citation\_Information:***

#### ***Originator:***

#### ***Originator:***

U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration (PHMSA), National Pipeline Mapping System (NPMS)

***Publication\_Date:*** 12/1/2019

***Title:*** Commercially Navigable Waterways, Version 5

***Geospatial\_Data\_Presentation\_Form:*** vector digital data

#### ***Publication\_Information:***

***Publication\_Place:*** Washington, DC

***Publisher:*** U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration

***Online\_Linkage:*** <[www.npms.phmsa.dot.gov](http://www.npms.phmsa.dot.gov)>

#### ***Originator:***

(Source Data used to produce the CNW data) US Army Corps of Engineers

***Publication\_Date:*** 6/26/2019

***Title:*** National Waterway Network (NWN)

***Geospatial\_Data\_Presentation\_Form:*** vector digital data

#### ***Publication\_Information:***

***Publication\_Place:*** Washington, DC

***Publisher:*** US Army Corps of Engineers

#### ***Online\_Linkage:***

<<https://usace.contentdm.oclc.org/digital/collection/p16021coll2/id/3799>>

**Description:****Abstract:**

The Commercially Navigable Waterways (CNW) data is a subset of the National Waterway Network (NWN) as distributed by the US Army Corps of Engineers (available for download at <https://usace.contentdm.oclc.org/digital/collection/p16021coll2/id/3799>). Lines in the NWN with FUNC\_CLASS equal to "S," "B," or "D" were extracted from the NWN and are considered by PHMSA to be "commercially navigable". 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.

**Purpose:**

The CNW data set is a geographic database of commercially navigable waterways in and around the United States as defined in the Office of Pipeline Safety "Pipeline Integrity Management in High Consequence Areas" rulemaking for hazardous liquid operators.

**Supplemental\_Information:**

Links in the waterway network represent actual shipping lanes or serve as representative paths in open water where no defined shipping lanes exist.

**Time\_Period\_of\_Content:****Time\_Period\_Information:****Single\_Date/Time:****Calendar\_Date:****Time\_of\_Day:**

**Currentness\_Reference:** publication date

**Status:****Progress:**

**Maintenance\_and\_Update\_Frequency:** Every 2 years based on current NWN

**Spatial\_Domain:****Bounding\_Coordinates:**

**West\_Bounding\_Coordinate:** -179.803407

**East\_Bounding\_Coordinate:** 179.135190

**North\_Bounding\_Coordinate:** 72.199720

**South\_Bounding\_Coordinate:** -55.905212

**Keywords:**

**Theme:**

**Theme\_Keyword\_Thesaurus:**

**Theme\_Keyword:** commercially navigable waterway

**Theme\_Keyword:** CNW

**Place:**

**Place\_Keyword\_Thesaurus:** USA

**Place\_Keyword:** United States

**Place\_Keyword:** Puerto Rico

**Place\_Keyword:** Gulf of Mexico

**Place\_Keyword:** Great Lakes

**Place\_Keyword:** Intracoastal waterway

**Temporal:**

**Temporal\_Keyword:** 2019

**Access\_Constraints:** None

**Use\_Constraints:** None

**Point\_of\_Contact (Source Dataset):**

**Contact\_Information:**

**Contact\_Organization\_Primary:** U.S. Army Corps of Engineers

**Contact\_Organization:** Navigational Data Center, Waterborne Commerce Statistics Center

**Contact\_Person:** NDC WCSC Webmaster

**Contact\_Address:**

**Address\_Type:** mailing and physical address

**Address:** P.O. Box 61280

**City:** New Orleans

**State\_or\_Province:** LA

**Postal\_Code:** 70161-1280

**Country:** USA

**Contact\_Voice\_Telephone:** 504.862.1453

**Contact\_Facsimile\_Telephone:** 504.862.1423

**Contact\_Electronic\_Mail\_Address:** CEIWR-  
NDCWCSC.WEBMASTER@usace.army.mil

**Point\_of\_Contact (National Pipeline Mapping System):**

**Contact\_Information:**

**Contact\_Organization\_Primary:** U.S. Department of Transportation

**Contact\_Organization:** Pipeline and Hazardous Materials Safety Administration

**Contact\_Person:** Leigha Gooding

**Contact\_Address:**

**Address\_Type:** mailing and physical address

**Address:** U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration, East Building, 2<sup>nd</sup> floor, 1200 New Jersey Ave., SE

**City:** Washington

**State\_or\_Province:** DC

**Postal\_Code:** 20590

**Country:** USA

**Contact\_Voice\_Telephone:** 202.366.0667

**Contact\_Facsimile\_Telephone:** 202.366.4566

**Contact\_Electronic\_Mail\_Address:**[leigha.gooding@dot.gov](mailto:leigha.gooding@dot.gov)

**Data\_Set\_Credit:**

The Commercially Navigable Waterways (CNW) dataset was derived from the National Waterway Network (NWN). The NWN databases were developed by Oak Ridge National Laboratory (ORNL) and Vanderbilt University, with input from the National Waterway GIS Design Committee (NWGISDC). The NWGISDC contains members from several agencies, including the U.S. Army Corps of Engineers (USACE), USDOT Bureau of Transportation Statistics (BTS), Volpe National Transportation Systems Center (VNTSC), Maritime Administration (MARAD), Military Traffic Management Command (MTMC), Tennessee Valley Authority (TVA), U.S. Environmental Protection Agency (EPA), U.S. Bureau of Census, U.S. Coast Guard, and the Federal Railroad Administration (FRA).

**Security\_Information:**

**Security\_Classification:** Unclassified

***Native\_Data\_Set\_Environment:***

Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.2.0.3348

***Cross\_Reference:******Citation\_Information:******Originator:***

***Publication\_Date:*** 6/26/2019

***Title:*** National Waterway Network (line)

***Geospatial\_Data\_Presentation\_Form:*** vector digital data

***Publication\_Information:***

***Publication\_Place:*** Washington, DC

***Publisher:*** Office of the Assistant Secretary for Research and Technology's Bureau of Transportation Statistics (OST-R/BTS)

***Data\_Quality\_Information:******Attribute\_Accuracy:******Attribute\_Accuracy\_Report:***

Attribute accuracy is tested by manual comparison of the source with hard copy printouts and/or symbolized display of digital line graphs on an interactive computer graphic system; selected attributes that cannot be visually verified on plots or on screen, are interactively queried and verified on screen.

***Logical Consistency Report:***

BTS quality checks were completed to cross reference the dataset with the state dataset to determine if the spatial data and attribute data were accurate within each state

***Positional\_Accuracy:******Horizontal\_Positional\_Accuracy:******Horizontal\_Positional\_Accuracy\_Report:***

The "shape source" field in the link database indicates the data sources used to derive link placements. The accuracy of each network element is correlated to the data source used to derive that element. For example, links and nodes derived from 1:100,000 scale DLGs are more accurate than links and nodes derived from 1:500,000 scale NOAA Navigational Charts. Links with unknown/missing sources are usually schematic representations of USACE links. Off-Shore: NOAA Charts vary in scale. Larger scale charts were used in harbor/port areas, while smaller scale charts were used in open water. For channels, sea lanes, and Intracoastal Waterways, shape points were placed

as needed to ensure that link segments fall within waterway boundaries. Inland: Links digitized from 1:100,000 DLG files, or large scale NOAA charts are the most accurate representations. Shape points were placed as needed to ensure that link segments fall between waterway shorelines. Links derived from Corps milepoints have shape points approximately one mile apart. The Corps milepoints were mainly derived from 1:24,000 and 1:100,000 scale maps. Therefore, the shape points derived from Corps milepoints are often as accurate as shape points derived from 1:100,000 DLG files. However, line segments connecting the shape points may not accurately represent the curvature of the waterway.

*Spatial Data Organization Information:*

*Direct Spatial Reference Method:* Vector

*Point and Vector Object Information:*

*SDTS Terms Description:*

*SDTS Point and Vector Object Type:* String

*Point and Vector Object Count:* 6866

*Spatial Reference Information:*

*Horizontal Coordinate System Definition:*

*Geographic:*

*Latitude Resolution:* 8.983152841195215e-009

*Longitude Resolution:* 8.983152841195215e-009

*Geographic Coordinate Units:* Decimal Degrees

*Geodetic Model:*

*Horizontal Datum Name:* D\_North\_American\_1983

*Spheroid Name:* GRS\_1980

*Semi-major Axis:* 6378137.0

*Denominator of Flattening Ratio:* 298.257223563

*Entity and Attribute Information:*

*Detailed Description:*

*Entity Type:*

*Entity Type Label:* waterway

*Entity Type Definition:* National Waterway Network (line)

*Entity Type Definition Source:* USACE

*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:*

*Enumerated Domain:*

*Enumerated Domain Value:* Polyline

*Enumerated Domain Value Definition:* Polylinear shapes as defined by ArcView

*Enumerated Domain Value Definition Source:* ArcView Internal Attribute

*Attribute Domain Values:*

*Unrepresentable Domain:* Coordinates defining the features.

*Attribute:*

*Attribute Label:* ID

*Attribute Definition:* Unique Link identification number

*Attribute Definition Source:* USACE

*Attribute Domain Values:*

*Unrepresentable Domain:* Sequential unique whole numbers that are automatically generated.

*Attribute:*

*Attribute Label:* LENGTH

*Attribute Definition:* Link length in Miles

*Attribute Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* real

*Enumerated Domain Value Definition:* with one explicit decimal place

*Enumerated Domain Value Definition Source:* calculated

*Attribute:*

*Attribute Label:* DIR

*Attribute:*

*Attribute Label:* LINKNUM

*Attribute Definition:* Unique Identifier

*Attribute Definition Source:* USACE

*Attribute Domain Values:*

*Unrepresentable Domain:* Numeric

*Attribute:*

*Attribute Label:* ANODE

*Attribute Definition:* Identifies a record (NODEID) in the node file that corresponds to the starting position of the link

*Attribute Definition Source:* USACE

*Attribute Domain Values:*

*Unrepresentable Domain:* Positive integer

*Attribute:*

*Attribute Label:* BNODE

*Attribute Definition:* Identifies a record (NODEID) in the node file that corresponds to the ending position of the link

*Attribute Definition Source:* USACE

*Attribute Domain Values:*

*Unrepresentable Domain:* Positive integer

*Attribute:*

*Attribute Label:* LINKNAME

*Attribute Definition:* USACE link description

*Attribute Definition Source:* USACE

*Attribute Domain Values:*

*Unrepresentable Domain:* Description

*Attribute:*



*Attribute Label:* RIVERNAME

*Attribute Definition:* Name of the water that the object belong to.

*Attribute Definition Source:* USACE

*Attribute Domain Values:*

*Unrepresentable Domain:* Description

*Attribute:*

*Attribute Label:* AMILE

*Attribute Definition:* Milepost at the ANODE, inland Corps links, only

*Attribute Definition Source:* USACE

*Attribute Domain Values:*

*Unrepresentable Domain:* real, with one explicit decimal place

*Attribute:*

*Attribute Label:* BMILE

*Attribute Definition:* Milepost at the BNODE, inland Corps links, only

*Attribute Definition Source:* USACE

*Attribute Domain Values:*

*Unrepresentable Domain:* real, with one explicit decimal place

*Attribute:*

*Attribute Label:* LENGTH1

*Attribute Definition:* Line length, in miles

*Attribute Definition Source:* USACE

*Attribute Domain Values:*

*Unrepresentable Domain:* real, with one explicit decimal place

*Attribute:*

*Attribute Label:* LENGTH\_SRC

*Attribute Definition:* Indication of how the length was calculated

*Attribute Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* V

*Enumerated Domain Value Definition:* Vanderbilt; length was calculated using GIS software

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* M

*Enumerated Domain Value Definition:* Milepoints; length was calculated by subtracting 'B' milepoint from 'A' milepoint

*Enumerated Domain Value Definition Source:* USACE

*Attribute:*

*Attribute Label:* SHAPE\_SRC

*Attribute Definition:* Indicates the data source used for each link

*Attribute Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* CM

*Enumerated Domain Value Definition:* Corps Milepoints

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* DD

*Enumerated Domain Value Definition:* Digitized from 1:100K DLGs (CD-ROM)

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* DN

*Enumerated Domain Value Definition:* Digitized from NOAA Charts

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* DQ

*Enumerated Domain Value Definition:* Digitized from 1:100K USGS Quads

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* J

*Enumerated Domain Value Definition:* Rough shape (guessed)

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* JR

*Enumerated Domain Value Definition:* Original shape modified by ORNL

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* JV

*Enumerated Domain Value Definition:* Original shape modified by Vanderbilt

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* M

*Enumerated Domain Value Definition:* Missing / Unknown

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* NA

*Enumerated Domain Value Definition:* Digitized from 1:2M National Atlas Points

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* RR

*Enumerated Domain Value Definition:* ORNL link modified by ORNL

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* RV

*Enumerated Domain Value Definition:* ORNL link modified by Vanderbilt

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* VR

*Enumerated Domain Value Definition:* Vanderbilt link modified by ORNL

*Enumerated Domain Value Definition Source:* USACE

*Attribute:*

*Attribute Label:* LINKTYPE

*Attribute Definition:* Indicates the originator of the link or the type of feature represented by the link

*Attribute Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* CORPS

*Enumerated Domain Value Definition:* Corps of Engineers original link

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* CWIS

*Enumerated Domain Value Definition:* Corps of Engineers civil works improvement addition

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* ORNL

*Enumerated Domain Value Definition:* Oak Ridge National Laboratory

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* VANDERBUILT

*Enumerated Domain Value Definition:* Vanderbilt University

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* LOCK

*Enumerated Domain Value Definition:* Corps of Engineers lock

*Enumerated Domain Value Definition Source:* USACE

*Attribute:*

*Attribute Label:* CTRL\_DEPTH

*Attribute Definition:* Control depth of link, in feet, Corps links only

*Attribute Definition Source:* USACE

*Attribute Domain Values:*

*Unrepresentable Domain:* Measured Value

*Attribute:*

*Attribute Label:* WATERWAY

*Attribute Definition:* 4-digit waterway code from Corps Master\_port\_waterway

*Attribute Definition Source:* USACE

*Attribute Domain Values:*

*Codeset Domain:*

*Codeset Name:* Corps Master\_port\_waterway

*Codeset Source:* USACE

*Attribute:*

*Attribute Label:* GEO\_CLASS

*Attribute Definition:* Geographic Class

*Attribute Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* G

*Enumerated Domain Value Definition:* Great Lakes

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* O

*Enumerated Domain Value Definition:* Ocean / Offshore

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* I

*Enumerated Domain Value Definition:* Inland

*Enumerated Domain Value Definition Source:* USACE

*Attribute:*

*Attribute Label:* FUNC\_CLASS

*Attribute Definition:* Functional Class

*Attribute Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* S

*Enumerated Domain Value Definition:* shallow draft (i.e., no deep draft ocean vessels)

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* D

*Enumerated Domain Value Definition:* deep draft

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* B

*Enumerated Domain Value Definition:* Both

*Enumerated Domain Value Definition Source:* USACE

*Attribute:*

*Attribute Label:* WTWY\_TYPE

*Attribute Definition:* Waterway Type

*Attribute Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* 1

*Enumerated Domain Value Definition:* Harbor (including harbor channels), Bay

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* 2

*Enumerated Domain Value Definition:* Intracoastal Waterway

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* 3

*Enumerated Domain Value Definition:* Sealane

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* 4

*Enumerated Domain Value Definition:* Sealane with separation zone

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value: 5*

*Enumerated Domain Value Definition: Open water*

*Enumerated Domain Value Definition Source: USACE*

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value: 6*

*Enumerated Domain Value Definition: River, creek, thoroughfare, lake*

*Enumerated Domain Value Definition Source: USACE*

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value: 7*

*Enumerated Domain Value Definition: Estuary*

*Enumerated Domain Value Definition Source: USACE*

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value: 8*

*Enumerated Domain Value Definition: Channel (not including harbor channels)*

*Enumerated Domain Value Definition Source: USACE*

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value: 9*

*Enumerated Domain Value Definition: Canal*

*Enumerated Domain Value Definition Source: USACE*

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value: 10*

*Enumerated Domain Value Definition: Great Lakes direct link (major ports)*

*Enumerated Domain Value Definition Source: USACE*

*Attribute Domain Values:*

*Enumerated Domain:*



*Enumerated Domain Value:* 11

*Enumerated Domain Value Definition:* Great Lakes indirect link

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* 12

*Enumerated Domain Value Definition:* Corps of Engineers Lock

*Enumerated Domain Value Definition Source:* USACE

*Attribute:*

*Attribute Label:* CHART\_ID

*Attribute Definition:* 4 or 5 digit NOAA chart number or 15 character 1:100K USGS Quad Map ID

*Attribute Definition Source:* NOAA

*Attribute Domain Values:*

*Codeset Domain:*

*Codeset Name:* Official NOAA Chart Index

*Codeset Source:* NOAA

*Attribute:*

*Attribute Label:* NUM\_PAIRS

*Attribute Definition:* Number of coordinate pairs that make up the link

*Attribute Definition Source:* USACE

*Attribute Domain Values:*

*Unrepresentable Domain:* Calaulated Value

*Attribute:*

*Attribute Label:* WHO\_MOD

*Attribute Definition:* Composite code designating what organization modified the link

*Attribute Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* V

*Enumerated Domain Value Definition:* Vanderbilt addition

*Enumerated Domain Value Definition Source: USACE*

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value: R*

*Enumerated Domain Value Definition: Oak Ridge addition*

*Enumerated Domain Value Definition Source: USACE*

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value: J*

*Enumerated Domain Value Definition: guessed*

*Enumerated Domain Value Definition Source: USACE*

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value: H*

*Enumerated Domain Value Definition: screen digitization from DLGs or TIGER*

*Enumerated Domain Value Definition Source: USACE*

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value: 1*

*Enumerated Domain Value Definition: 94 May*

*Enumerated Domain Value Definition Source: USACE*

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value: 2*

*Enumerated Domain Value Definition: 94 June*

*Enumerated Domain Value Definition Source: USACE*

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value: R*

*Enumerated Domain Value Definition: attributes modified by ORNL*

*Enumerated Domain Value Definition Source: USACE*

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value: A*

*Enumerated Domain Value Definition: attributes modified by Vanderbilt*

*Enumerated Domain Value Definition Source: USACE*

*Attribute:*

*Attribute Label: DATE\_MOD*

*Attribute Definition: The MODDATE (or modification date) indicates when each record in the database was last changed. As changes are made to a record, the modification date is entered in the format 'mmddyyy'.*

*Attribute Definition Source: USACE*

*Attribute Domain Values:*

*Unrepresentable Domain: Date Value*

*Attribute:*

*Attribute Label: HEADING*

*Attribute Definition: Compass Direction*

*Attribute Definition Source: USACE*

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value: N*

*Enumerated Domain Value Definition: North*

*Enumerated Domain Value Definition Source: USACE*

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value: S*

*Enumerated Domain Value Definition: South*

*Enumerated Domain Value Definition Source: USACE*

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value: E*

*Enumerated Domain Value Definition:* East

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* W

*Enumerated Domain Value Definition:* West

*Enumerated Domain Value Definition Source:* USACE

*Attribute:*

*Attribute Label:* STATE

*Attribute Definition:* State Postal Abbreviation

*Attribute Definition Source:* USACE

*Attribute Domain Values:*

*Codeset Domain:*

*Codeset Name:* Official List of State Postal Abbreviation

*Codeset Source:* USACE

*Attribute:*

*Attribute Label:* FIPS

*Attribute Definition:* Primary State FIPS Code

*Attribute Definition Source:* USACE

*Attribute Domain Values:*

*Codeset Domain:*

*Codeset Name:* Federal Information Processing Standard- FIPS Pub 6-4

*Codeset Source:* National Institute for Standards and Technology (NIST)

*Attribute:*

*Attribute Label:* FIPS2

*Attribute Definition:* State FIPS Code

*Attribute Definition Source:* USACE

*Attribute Domain Values:*

*Codeset Domain:*

*Codeset Name:* Federal Information Processing Standard- FIPS Pub 6-4

*Codeset Source:* National Institute for Standards and Technology (NIST)

*Attribute:*

*Attribute Label:* NON\_US

*Attribute Definition:* Abbreviation for non-US areas

*Attribute Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* AC

*Enumerated Domain Value Definition:* Arctic Ocean

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* AT

*Enumerated Domain Value Definition:* Atlantic Ocean

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* BS

*Enumerated Domain Value Definition:* Bering Sea

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* CB

*Enumerated Domain Value Definition:* Caribbean Sea

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* CD

*Enumerated Domain Value Definition:* Canada

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* GM

*Enumerated Domain Value Definition:* Gulf of Mexico

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* PC

*Enumerated Domain Value Definition:* Pacific Ocean

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* PM

*Enumerated Domain Value Definition:* Panama

*Enumerated Domain Value Definition Source:* USACE

*Attribute Domain Values:*

*Enumerated Domain:*

*Enumerated Domain Value:* XX

*Enumerated Domain Value Definition:* Unidentified Area

*Enumerated Domain Value Definition Source:* USACE

***Distribution\_Information:***

***Distributor:***

***Contact\_Information:***

***Contact\_Organization\_Primary:*** U.S. Department of Transportation

***Contact\_Organization:*** Pipeline and Hazardous Materials Safety Administration (PHMSA), National Pipeline Mapping System (NPMS)

***Contact\_Person:*** Leigha Gooding

***Contact\_Address:***

***Address\_Type:*** mailing and physical address

**Address:** U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration, East Building, 2<sup>nd</sup>Floor, 1200 New Jersey Ave., SE

**City:** Washington

**State\_or\_Province:** District of Columbia

**Postal\_Code:** 20590

**Country:** USA

**Contact\_Voice\_Telephone:** 202.366.0667

**Contact\_Facsimile\_Telephone:** 202.366.4566

**Contact\_Electronic\_Mail\_Address:** leigha.gooding@dot.gov

**Resource\_Description:** National Pipeline Mapping System

**Distribution\_Liability:** None

**Standard\_Order\_Process:**

**Digital\_Form:**

**Digital\_Transfer\_Information:**

**Format\_Name:** Esri Shapefile

**Format\_Version\_Date:** 2019

**File-Decompression\_Technique:** SecureZIP, no password. Open using any ZIPfile program.

**Transfer\_Size:**

**Digital\_Transfer\_Option:**

**Online\_Option:**

**Computer\_Contact\_Information:**

**Network\_Address:**

**Network\_Resource\_Name:** [www.npms.phmsa.dot.gov](http://www.npms.phmsa.dot.gov)

**Access\_Instructions:**

Anyone with access to the World Wide Web may download from [www.npms.phmsa.dot.gov](http://www.npms.phmsa.dot.gov).

**Offline\_Option:**

**Offline\_Media:**

**Recording\_Capacity:**

**Recording\_Density:**

**Recording\_Density\_Units:**

**Recording\_Format:**

**Fees:** None

**Ordering\_Instructions:**

Call 202.366.0667, fax 202.366.4566, or E-mail ([leigha.gooding@dot.gov](mailto:leigha.gooding@dot.gov)) to request the Commercially Navigable Waterways data set on a DVD.

**Custom\_Order\_Process:** None

**Technical\_Prerequisites:** Software that can process GIS files.

**Available\_Time\_Period:**

**Time\_Period\_Information:**

**Single\_Date/Time:**

**Calendar\_Date:** 2019

**Metadata\_Reference\_Information:**

**Metadata\_Date:** 20191115

**Metadata\_Contact:**

**Contact\_Information:**

**Contact\_Person\_Primary:**

**Contact\_Person:** Leigha Gooding

**Contact\_Organization\_Primary:**

**Contact\_Organization:**

U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration

**Contact\_Address:**

**Address\_Type:** mailing and physical address

**Address:** U.S. Department of Transportation, Pipeline and Hazardous Materials Safety Administration, East Building, 2<sup>nd</sup> Floor, 1200 New Jersey Ave. SE

**City:** Washington

**State\_or\_Province:** DC

**Postal\_Code:** 20590

**Country:** USA

**Contact\_Voice\_Telephone:** 202.366.0667



**Contact\_Facsimile\_Telephone:** 202.366.4566

**Contact\_Electronic\_Mail\_Address:** leigha.gooding@dot.gov

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