

Major Waters of the Navajo Nation Region



Data format: Shapefile

File or table name: NN_Major_Waters

Coordinate system: Geographic

Theme keywords: Major Waters, Rivers, Lakes, Reservoirs

Abstract: This is a polygon shapefile that presents the location of major water features, including rivers, lakes, and reservoirs, within the region of the Navajo Nation.

FGDC and ESRI Metadata:

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Metadata elements shown with blue text are defined in the Federal Geographic Data Committee's (FGDC) [Content Standard for Digital Geospatial Metadata \(CSDGM\)](#). Elements shown with green text are defined in the [ESRI Profile of the CSDGM](#). Elements shown with a green asterisk (*) will be automatically updated by ArcCatalog. ArcCatalog adds hints indicating which FGDC elements are mandatory; these are shown with gray text.

Identification Information:

Citation:

Citation information:

Originators: U.S. Department of Commerce, Bureau of the Census, Geography Division

Title:

Major Waters of the Navajo Nation Region

***File or table name:** NN_Major_Waters

Publication date: 2001

Edition: TIGER/Line Files, Redistricting Census 2000

***Geospatial data presentation form:** vector digital data

Publication information:

Publication place: Washington, DC

Publisher: US Department of Commerce

Other citation details:

Acquired from ESRI website at
http://arcdata.esri.com/data/tiger2000/tiger_download.cfm

Online linkage: http://arcdata.esri.com/data/tiger2000/tiger_download.cfm

Description:**Abstract:**

This is a polygon shapefile that presents the location of major water features, including rivers, lakes, and reservoirs, within the region of the Navajo Nation.

Purpose:

This dataset was developed to support the U.S. Environmental Protection Agency (USEPA) in its undertaking of an extensive scientific study to determine if abandoned uranium mines (AUM) and related mine features pose a significant risk to human health and the environment, and to identify areas requiring action to reduce risk for the Navajo Nation.

Supplemental information:

To find out more about TIGER/Line files and other Census TIGER data base derived data sets visit <http://www.census.gov/geo/www/tiger>.

***Language of dataset:** en

Time period of content:**Time period information:****Single date/time:**

Calendar date: 2000

Currentness reference:

publication date

Status:

Progress: Complete

Maintenance and update frequency: None planned

Spatial domain:**Bounding coordinates:**

***West bounding coordinate:** -114.896035

***East bounding coordinate:** -105.229543

***North bounding coordinate:** 42.677526

***South bounding coordinate:** 31.488959

Local bounding coordinates:

***Left bounding coordinate:** -114.896035

***Right bounding coordinate:** -105.229543

***Top bounding coordinate:** 42.677526

***Bottom bounding coordinate:** 31.488959

Keywords:**Theme:**

Theme keywords: Major Waters, Rivers, Lakes, Reservoirs

Theme keyword thesaurus: None

Place:

Place keywords: Navajo Nation, Arizona, California, Colorado, Nevada, New Mexico, Utah
Place keyword thesaurus: None

Access constraints: None

Use constraints:

This is a subset of the complete TIGER/Line Files, including only a selected set of the Water Polygons features for the Navajo Nation and the area surrounding, including parts of AZ, CA, CO, NV, NM, and UT.

Use of this data generally requires computer workstations with ESRI's Arc/Info (8.x or above), ArcGIS (8.x or above), or ArcView (3.x), or some other GIS or CAD software that is capable of reading or converting this dataset.

The data are provided "as-is," without warranty of any kind, either express or implied.

These data have been compiled as part of a desktop project to collect existing spatial data to support the study of Navajo abandoned uranium mines. No field verifications were undertaken as part of this desktop study.

None. Acknowledgment of the U.S. Bureau of the Census would be appreciated for products derived from these files. TIGER, TIGER/Line, and Census TIGER are registered trademarks of the Bureau of the Census.

Point of contact:

Contact information:

Contact organization primary:

Contact organization: U. S. Environmental Protection Agency, Region 9, Superfund Program

Contact address:

Address type: mailing and physical address

Address:

75 Hawthorne St (SFD 8-2)

City: San Francisco

State or province: CA

Postal code: 94105

Country: USA

Contact voice telephone: 415-972-3167

Data set credit:

U.S. Department of Commerce
Bureau of the Census
Geography Division

Security information:

Security classification system: None

***Native dataset format:** Shapefile

***Native data set environment:**

Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 9.1.0.722

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Data Quality Information:

Attribute accuracy:

Attribute accuracy report:

Accurate against Federal information Processing Standards (FIPS), FIPS Publication 6-4, and FIPS-55 at the 100% level for the codes and base names. The remaining attribute information has been examined but has not been fully tested for accuracy.

Logical consistency report:

The feature network of lines (as represented by Record Types 1 and 2) is complete for census purposes. Spatial objects in TIGER/Line belong to the "Geometry and Topology" (GT) class of objects in the "Spatial Data Transfer Standard" (SDTS) FIPS Publication 173 and are topologically valid. Node/geometry and topology (GT)-polygon/chain relationships are collected or generated to satisfy topological edit requirements. These requirements include:

- * Complete chains must begin and end at nodes.
- * Complete chains must connect to each other at nodes.
- * Complete chains do not extend through nodes.
- * Left and right GT-polygons are defined for each complete chain element and are consistent throughout the extract process.
- * the chains representing the limits of the files are free of gaps.

The Census Bureau performed automated tests to ensure logical consistency and limits of files. All polygons are tested for closure. The Census Bureau uses its internally developed Geographic Update System to enhance and modify spatial and attribute data in the Census TIGER data base. Standard geographic codes, such as FIPS codes for states, counties, municipalities, and places, are used when encoding spatial entities. The Census Bureau performed spatial data tests for logical consistency of the codes during the compilation of the original Census TIGER data base files. Most of the Codes themselves were provided to the Census Bureau by the USGS, the agency responsible for maintaining FIPS 55. Feature attribute information has been examined but has not been fully tested for consistency.

Completeness report:

This is a subset of the complete TIGER/Line Files, including only a selected set of the Water Polygons features for the Navajo Nation and the area surrounding, including parts of AZ, CA, CO, NV, NM, and UT.

Positional accuracy:

Horizontal positional accuracy:

Horizontal positional accuracy report:

The information present in these files is provided for the purposes of statistical analysis and census operations only. Coordinates in the TIGER/Line files have six implied decimal places, but the positional accuracy of these coordinates is not as great as the six decimal places suggest. The positional accuracy varies with the source materials used, but generally the information is no better than the established national map Accuracy standards for 1:100,000-scale maps from the U.S. Geological Survey (USGS); thus it is NOT suitable for high-precision measurement applications such as engineering problems, property transfers, or other uses that might require highly accurate measurements of the earth's surface. The USGS 1:100,000-scale maps met national map accuracy standards and use coordinates defined by the North American Datum, 1983. For the contiguous 48 States, the cartographic fidelity of most of the

Redistricting Census 2000 TIGER/Line files, in areas outside the 1980 census Geographic Base File/Dual Independent map Encoding (GBF/DIME) file coverage and selected other large metropolitan areas, compare favorable with the USGS 1:100,000-scale maps. The Census Bureau cannot specify the accuracy of features inside of what was the 1980 GBF/DIME-File coverage or selected metropolitan areas. The Census Bureau added updates to the TIGER/Line files that enumerators annotated on maps sheets prepared from the Census TIGER data base as they attempted to traverse every street feature shown on the Census 2000 map sheets; the Census Bureau also made other corrections from updated map sheets supplied by local participants for Census Bureau programs. The locational accuracy of these updates is of unknown quality. In addition to the Federal, State, and local sources, portions of the files may contain information obtained in part from maps and other materials prepared by private companies. Despite the fact the TIGER/Line data positional accuracy is not as high as the coordinate values imply, the six-decimal place precision is useful when producing maps. The precision allows features that are next to each other on the ground to be placed in the correct position, on the map, relative to each other, without overlap.

Lineage:**Source information:****Source scale denominator:** NA**Type of source media:** Web Download**Source citation abbreviation:**

Water Polygons

Source contribution:

U.S. Department of Commerce, Bureau of the Census, Geography Division, Census TIGER data base, Redistricting Census 2000

Process step:**Process description:**

Water Polygon features for the Navajo Nation and the area surrounding, including AZ, CA, CO, NV, NM, and UT were downloaded from the ESRI website for TIGER2000/Line Files. These data were merged and clipped to the region of the Navajo Nation. The projection was defined to Geographic Coordinates, NAD83. The LANDNAME attribute was calculated to the new attribute NAME, and the other attributes were deleted. Minor water features were interactively selected and deleted.

Process software and version: ArcGIS 9.1**Process date:** March 2006**Source used citation abbreviation:**

Water Polygons

Process contact:**Contact information:****Contact organization primary:****Contact organization:** TerraSpectra Geomatics**Contact address:****Address type:** mailing and physical address**Address:**

2700 E Sunset Rd, Ste A-10

City: Las Vegas

State or province: NV
Postal code: 89120
Country: USA

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Spatial Data Organization Information:

***Direct spatial reference method:** Vector

Point and vector object information:

SDTS terms description:

***Name:** NN_Major_Waters
***SDTS point and vector object type:** G-polygon
***Point and vector object count:** 200

ESRI terms description:

***Name:** NN_Major_Waters
***ESRI feature type:** Simple
***ESRI feature geometry:** Polygon
***ESRI topology:** FALSE
***ESRI feature count:** 200
***Spatial index:** FALSE
***Linear referencing:** FALSE

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Spatial Reference Information:

Horizontal coordinate system definition:

Coordinate system name:

***Geographic coordinate system name:** GCS_North_American_1983

Geographic:

***Latitude resolution:** 0.000000
***Longitude resolution:** 0.000000
***Geographic coordinate units:** Decimal degrees

Geodetic model:

***Horizontal datum name:** North American Datum of 1983
***Ellipsoid name:** Geodetic Reference System 80
***Semi-major axis:** 6378137.000000
***Denominator of flattening ratio:** 298.257222

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Entity and Attribute Information:

Detailed description:

***Name:** NN_Major_Waters

Entity type:

- ***Entity type label:** NN_Major_Waters
- ***Entity type type:** Feature Class
- ***Entity type count:** 200

Attribute:

- ***Attribute label:** FID
- ***Attribute alias:** FID
- ***Attribute definition:**
Internal feature number.
- ***Attribute definition source:**
ESRI

- ***Attribute type:** OID
- ***Attribute width:** 4
- ***Attribute precision:** 0
- ***Attribute scale:** 0

Attribute domain values:

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

Attribute:

- ***Attribute label:** Shape
- ***Attribute alias:** Shape
- ***Attribute definition:**
Feature geometry.
- ***Attribute definition source:**
ESRI

- ***Attribute type:** Geometry
- ***Attribute width:** 0
- ***Attribute precision:** 0
- ***Attribute scale:** 0

Attribute domain values:

- ***Unrepresentable domain:**
Coordinates defining the features.

Attribute:

- ***Attribute label:** NAME
- ***Attribute alias:** NAME

- ***Attribute type:** String
- ***Attribute width:** 30

Overview description:**Dataset overview:**

There are 200 major water feature polygons.

Entity and attribute overview:

There is one thematic attribute called Name that identifies the water features.

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Distribution Information:

Distributor:

Contact information:

Contact organization primary:

Contact organization: U. S. Environmental Protection Agency, Region 9,
Superfund Records Center

Contact address:

Address type: mailing address

Address:

95 Hawthorne St (SFD-7C)

City: San Francisco

State or province: CA

Postal code: 94105

Country: USA

Contact voice telephone: 415-536-2033

Resource description: Downloadable Data

Distribution liability:

Although these data have been processed successfully on a computer system for the USEPA, no warranty expressed or implied is made by the USEPA or its contractors 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 USEPA or its contractors in the use of these data.

Standard order process:

Digital form:

Digital transfer information:

***Transfer size:** 2.387

***Dataset size:** 2.387

Custom order process:

Contact the USEPA for a custom order.

Technical prerequisites:

Use of this data generally requires computer workstations with ESRI's Arc/Info (8.x or above), ArcGIS (8.x or above), or ArcView (3.x), or some other GIS or CAD software that is capable of reading or converting this dataset.

Available time period:

Time period information:

Single date/time:

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Metadata Reference Information:

***Metadata date:** 20060729

***Language of metadata:** en

Metadata contact:

Contact information:**Contact person primary:****Contact person:** Andrew Bain**Contact organization:** U. S. Environmental Protection Agency, Region 9,
Superfund Program**Contact position:** Project Manager**Contact address:****Address type:** mailing and physical address**Address:**

75 Hawthorne St (SFD 8-2)

City: San Francisco**State or province:** CA**Postal code:** 94105**Country:** USA**Contact voice telephone:** 415-972-3167***Metadata standard name:** FGDC Content Standards for Digital Geospatial Metadata***Metadata standard version:** FGDC-STD-001-1998***Metadata time convention:** local time**Metadata access constraints:** None.**Metadata use constraints:**

None.

Metadata security information:**Metadata security classification system:** None**Metadata extensions:*****Online linkage:** <http://www.esri.com/metadata/esriprof80.html>***Profile name:** ESRI Metadata Profile[Back to Top](#)

Binary Enclosures:**Thumbnail:****Enclosure type:** Picture[Back to Top](#)