

## Physiographic Divisions of the Navajo Nation Area



**Data format:** Shapefile

**File or table name:** nn\_physio

**Coordinate system:** Geographic

**Theme keywords:** Physiography, Physiographic Divisions, Physiographic Provinces, Physiographic Sections

**Abstract:** This is a shape file of Physiographic Divisions in the conterminous United States. It was automated from Fenneman's 1:7,000,000-scale map, "Physical Divisions of the United States," which is based on eight major divisions, 25 provinces, and 86 sections representing distinctive areas having common topography, rock types and structure, and geologic and geomorphic history.

### FGDC and ESRI Metadata:

- [Identification Information](#)
- [Data Quality Information](#)
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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:** Fenneman, N.M., and Johnson, D.W.

**Title:**

Physiographic Divisions of the Navajo Nation Area

\***File or table name:** nn\_physio

**Publication date:** 1946

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

**Publication information:**

**Publication place:** Washington, DC

**Publisher:** USGS

\***Online linkage:** [\\Terra\\_dc\Navajo\NAUM\\_NN\\_Summary\DB\Geology\enn\\_physio.shp](\\Terra_dc\Navajo\NAUM_NN_Summary\DB\Geology\enn_physio.shp)

**Description:**

**Abstract:**

This is a shape file of Physiographic Divisions in the conterminous United States. It was automated from Fenneman's 1:7,000,000-scale map, "Physical Divisions of the United States," which is based on eight major divisions, 25 provinces, and 86 sections representing distinctive areas having common topography, rock types and structure, and geologic and geomorphic history.

**Purpose:**

The primary use of this data is for regional and national data display rather than specific local data analysis due to the small scale (1:7,000,000) of this coverage.

\***Language of dataset:** en

**Time period of content:**

**Time period information:**

**Single date/time:**

**Calendar date:** 19460101

**Currentness reference:**

Publication date of source material.

**Status:**

**Progress:** Complete

**Maintenance and update frequency:** None planned

**Spatial domain:**

**Bounding coordinates:**

\***West bounding coordinate:** -113.518330

\***East bounding coordinate:** -105.856180

\***North bounding coordinate:** 38.371163

\***South bounding coordinate:** 33.345145

**Local bounding coordinates:**

\***Left bounding coordinate:** -113.518330

\***Right bounding coordinate:** -105.856180

\***Top bounding coordinate:** 38.371163

\***Bottom bounding coordinate:** 33.345145

**Keywords:**

**Theme:**

**Theme keywords:** Physiography

**Theme keyword thesaurus:** None

**Theme:**

**Theme keywords:** Physiographic Divisions, Physiographic Provinces, Physiographic Sections

**Theme keyword thesaurus:** None

**Place:**

**Place keywords:** Conterminous United States, Navajo Nation

**Place keyword thesaurus:** None

**Stratum:**

**Stratum keywords:** None

**Stratum keyword thesaurus:** None

**Temporal:**

**Temporal keywords:** None

**Temporal keyword thesaurus:** None

**Access constraints:** None

**Use constraints:**

The scale of the data (1:7,000,000) limits its use to broad overviews of physiographic divisions.

**Point of contact:**

**Contact information:**

**Contact person primary:**

**Contact person:** Kerie J. Hitt

**Contact organization:** U.S. Geological Survey

**Contact address:**

**Address type:** mailing address

**Address:**

12201 Sunrise Valley Drive, MS-413

**City:** Reston

**State or province:** VA

**Postal code:** 20192

**Country:** USA

**Contact voice telephone:** 703-648-6854

**Contact facsimile telephone:** 703-648-6693

**Contact electronic mail address:** kjhitt@usgs.gov

**Hours of service:** 9:00am-5:30pm EST

**Contact instructions:**

Please contact through email

**Security information:**

**Security classification system:** None

**Security classification:** Unclassified

**Security handling description:** None

\***Native dataset format:** Shapefile

\***Native data set environment:**

Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 9.1.0.780

**Cross reference:**

**Citation information:**

**Originators:** Fenneman, Nevin M., and Johnson, Douglas W.

**Title:**

Physical divisions of the United States

**Publication date:** 1946  
**Geospatial data presentation form:** Map

**Series information:**  
**Series name:** USGS special map  
**Issue identification:** USGS special map

**Publication information:**  
**Publication place:** Washington, DC  
**Publisher:** USGS

**Online linkage:** <URL:<http://water.usgs.gov/lookup/getspatial?physio>>

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## Data Quality Information:

**Attribute accuracy:**  
**Attribute accuracy report:**  
Polygon topology present.

**Logical consistency report:**  
Polygon and chain-node topology present.

**Completeness report:**  
None

**Positional accuracy:**  
**Horizontal positional accuracy:**  
**Horizontal positional accuracy report:**  
None.

**Quantitative horizontal positional accuracy assessment:**  
**Horizontal positional accuracy value:** 3556 meters  
**Horizontal positional accuracy explanation:**  
Resolution as reported

**Vertical positional accuracy:**  
**Vertical positional accuracy report:**  
None

**Lineage:**  
**Source information:**  
**Source citation:**  
**Citation information:**  
**Originators:** Fenneman, Nevin M., and Johnson, Douglas W.  
**Title:**  
Physiographic Divisions of the United States  
**Publication date:** 1946

**Source scale denominator:** 1:7,000,000  
**Type of source media:** FTP

**Source citation abbreviation:**

physio

**Source contribution:**

The source for Physiographic Divisions, Provinces, and Sections

**Process step:****Process description:**

This coverage was automated from Fenneman's 1:7,000,000-scale map, "Physical Divisions of the United States," 1946. Features were digitized from a stable mylar base into the United States boundary coverage. Since the map is in polyconic projection, and the U.S. boundary coverage was in Albers Equal Area Projection, the U.S. boundary coverage was first projected into polyconic projection before digitizing.

Once digitizing was complete, the coverage was projected back into Albers Equal Area Projection, with the following parameters:

```

>First parallel          29 30 00 N
>Second parallel        45 30 00 N
>Central meridian       -96 00 00 W
>Latitude of projection origin  23 00 00 N
>False easting          0.0
>False northing         0.0

```

Fennemans map is missing three boundaries separating:

1. 5a/5b (which separates the Northern and Southern sections of Blue Ridge)
2. 6a/6b (which separates Tennessee and Middle sections of Ridge and Valley)
3. 24b/24c (which separates Olympic Mountains and Oregon Coast Range of the Pacific Border province)

These boundaries were researched, then merged into the coverage.

**Process date:** 198812

**Process step:****Process description:**

Added attributes DIVISION, PROVINCE and SECTION to the polygon attribute table.

**Process date:** 19920113

**Process step:****Process description:**

A user reported that section 23c, Southern Cascade Mountain Section was missing. Added boundary between Middle Cascade Mountain section (23b) and Southern Cascade Mountain Section (23c). Added label for Southern Cascade Mountain Section.

Added annotation for 23c, Southern Cascade Mountain Section.

**Process date:** 20020103

**Process step:**

**Process description:**

The polygons were clipped to the Nation Nation Area and projected on the fly to Geographic, Decimal Degrees, NAD83 to a shape file

**Process software and version:** ArcMap 8.2

**Process date:** 20030418

**Source used citation abbreviation:**

physio

**Source produced citation abbreviation:**

nn\_1\_physio

**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

**Contact voice telephone:** 702-795-8254

**Process step:**

**Process description:**

Dataset copied.

**Source used citation abbreviation:**

V:\NAUM2\RV\Atlas\Sec\_1\rv\_1\_phys\data\USGS\_Water\nn\_1\_physio

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## Spatial Data Organization Information:

\***Direct spatial reference method:** Vector

**Point and vector object information:**

**SDTS terms description:**

\***Name:** nn\_physio

\***SDTS point and vector object type:** G-polygon

\***Point and vector object count:** 11

**SDTS terms description:**

**SDTS point and vector object type:** String

**Point and vector object count:** 803

**SDTS terms description:**

**SDTS point and vector object type:** GT-polygon composed of chains

**Point and vector object count:** 502

**ESRI terms description:**

\***Name:** nn\_physio

\***ESRI feature type:** Simple

\***ESRI feature geometry:** Polygon

\***ESRI topology:** FALSE

\***ESRI feature count:** 11

\***Spatial index:** TRUE

\***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:** 0.000001

**Longitude resolution:** 0.000001

\***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\_physio

**Entity type:**

\***Entity type label:** nn\_physio

\***Entity type type:** Feature Class

\***Entity type count:** 11

**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: AREA
- \*Attribute alias: AREA
  
- \*Attribute type: Float
- \*Attribute width: 13
- \*Attribute number of decimals: 11

**Attribute:**

- \*Attribute label: PERIMETER
- \*Attribute alias: PERIMETER
  
- \*Attribute type: Float
- \*Attribute width: 13
- \*Attribute number of decimals: 11

**Attribute:**

- \*Attribute label: PHYSIO\_
- \*Attribute alias: PHYSIO\_
  
- \*Attribute type: Number
- \*Attribute width: 9

**Attribute:**

- \*Attribute label: PHYSIO\_ID
- \*Attribute alias: PHYSIO\_ID
  
- \*Attribute type: Number
- \*Attribute width: 9

**Attribute:**

\***Attribute label:** FCODE  
 \***Attribute alias:** FCODE

\***Attribute type:** Number  
 \***Attribute width:** 3

**Attribute:**

\***Attribute label:** FENCODE  
 \***Attribute alias:** FENCODE

\***Attribute type:** String  
 \***Attribute width:** 4

**Attribute:**

\***Attribute label:** DIVISION  
 \***Attribute alias:** DIVISION

\***Attribute type:** String  
 \***Attribute width:** 23

**Attribute:**

\***Attribute label:** PROVINCE  
 \***Attribute alias:** PROVINCE

\***Attribute type:** String  
 \***Attribute width:** 24

**Attribute:**

\***Attribute label:** SECTION  
 \***Attribute alias:** SECTION

\***Attribute type:** String  
 \***Attribute width:** 29

**Attribute:**

\***Attribute label:** PROVCODE  
 \***Attribute alias:** PROVCODE

\***Attribute type:** Number  
 \***Attribute width:** 3

**Overview description:****Entity and attribute overview:**

```
>DATAFILE NAME: PHYSIO.PAT
>9 ITEMS: STARTING IN POSITION      1
>COL  ITEM NAME          WIDTH  OPUT  TYP  N.DEC  ALTERNATE NAME
>  1  AREA                4      12  F    3
>  5  PERIMETER           4      12  F    3
>  9  PHYSIO#             4       4  B    -
> 13  PHYSIO-ID           4       5  B    -
> 17  FCODE               3       5  I    -
> 20  FENCODE             4       5  C    -
> 24  DIVISION            23     23  C    -
> 47  PROVINCE            24     24  C    -
> 71  SECTION             29     29  C    -
>100  PROVCODE            3       3  I    -
```

FCODE - Numeric code for physiographic section. Values 1-243.

FENCODE - Fenneman's code (number+alpha) for physiographic section

DIVISION - Name of major physiographic division

PROVINCE - Name of physiographic province

SECTION - Name of physiographic section (see note below)

PROVCODE - Numeric code for physiographic province. Values 1, 3-25.

INFO file PHYSIO.PROVCODE contains numeric codes for provinces:

>PROVINCE	PROVCODE
>-----	-----
>SUPERIOR UPLAND	1
>COASTAL PLAIN	3
>PIEDMONT	4
>BLUE RIDGE	5
>VALLEY AND RIDGE	6
>ST. LAWRENCE VALLEY	7
>APPALACHIAN PLATEAUS	8
>NEW ENGLAND	9
>ADIRONDACK	10
>INTERIOR LOW PLATEAUS	11
>CENTRAL LOWLAND	12
>GREAT PLAINS	13
>OZARK PLATEAUS	14
>OUACHITA	15
>SOUTHERN ROCKY MOUNTAINS	16
>WYOMING BASIN	17
>MIDDLE ROCKY MOUNTAINS	18
>NORTHERN ROCKY MOUNTAINS	19
>COLUMBIA PLATEAU	20
>COLORADO PLATEAUS	21
>BASIN AND RANGE	22
>CASCADE-SIERRA MOUNTAINS	23
>PACIFIC BORDER	24
>LOWER CALIFORNIAN	25

Because there are no defined physiographic section classifications for the Northern Rockies, Middle Rockies, Southern Rockies, Wyoming Basin, Superior Upland, Lower Californian and Adirondack Provinces, the SECTION field in the polygon attribute table is empty for these physiographic provinces.

>FEN- >CODE	DIVISION	PROVINCE	SECTION
>1	LAURENTIAN UPLAND	SUPERIOR UPLAND	-
>3a	ATLANTIC PLAIN	COASTAL PLAIN	EMBAYED
>3b	ATLANTIC PLAIN	COASTAL PLAIN	SEA ISLAND
>3c	ATLANTIC PLAIN	COASTAL PLAIN	FLORIDIAN
>3d	ATLANTIC PLAIN	COASTAL PLAIN	EAST GULF COASTAL PLAIN
>3e	ATLANTIC PLAIN	COASTAL PLAIN	MISSISSIPPI ALLUVIAL PLAIN
>3f	ATLANTIC PLAIN	COASTAL PLAIN	WEST GULF COASTAL PLAIN
>4a	APPALACHIAN HIGHLANDS	PIEDMONT	PIEDMONT UPLAND
>4b	APPALACHIAN HIGHLANDS	PIEDMONT	PIEDMONT LOWLANDS
>5a	APPALACHIAN HIGHLANDS	BLUE RIDGE	NORTHERN
>5b	APPALACHIAN HIGHLANDS	BLUE RIDGE	SOUTHERN
>6a	APPALACHIAN HIGHLANDS	VALLEY AND RIDGE	TENNESSEE
>6b	APPALACHIAN HIGHLANDS	VALLEY AND RIDGE	MIDDLE
>6c	APPALACHIAN HIGHLANDS	VALLEY AND RIDGE	HUDSON VALLEY

>7a	APPALACHIAN HIGHLANDS	ST. LAWRENCE VALLEY	CHAMPLAIN
>8a	APPALACHIAN HIGHLANDS	APPALACHIAN PLATEAUS	MOHAWK
>8b	APPALACHIAN HIGHLANDS	APPALACHIAN PLATEAUS	CATSKILL
>8c	APPALACHIAN HIGHLANDS	APPALACHIAN PLATEAUS	SOUTHERN NEW YORK
>8d	APPALACHIAN HIGHLANDS	APPALACHIAN PLATEAUS	ALLEGHENY MOUNTAIN
>8e	APPALACHIAN HIGHLANDS	APPALACHIAN PLATEAUS	KANAWHA
>8f	APPALACHIAN HIGHLANDS	APPALACHIAN PLATEAUS	CUMBERLAND PLATEAU
>8g	APPALACHIAN HIGHLANDS	APPALACHIAN PLATEAUS	CUMBERLAND MOUNTAIN
>9a	APPALACHIAN HIGHLANDS	NEW ENGLAND	SEABOARD LOWLAND
>9b	APPALACHIAN HIGHLANDS	NEW ENGLAND	NEW ENGLAND UPLAND
>9c	APPALACHIAN HIGHLANDS	NEW ENGLAND	WHITE MOUNTAIN
>9d	APPALACHIAN HIGHLANDS	NEW ENGLAND	GREEN MOUNTAIN
>9e	APPALACHIAN HIGHLANDS	NEW ENGLAND	TACONIC
>10	APPALACHIAN HIGHLANDS	ADIRONDACK	-
>11a	INTERIOR PLAINS	INTERIOR LOW PLATEAUS	HIGHLAND RIM
>11b	INTERIOR PLAINS	INTERIOR LOW PLATEAUS	LEXINGTON PLAIN
>11c	INTERIOR PLAINS	INTERIOR LOW PLATEAUS	NASHVILLE BASIN
>12a	INTERIOR PLAINS	CENTRAL LOWLAND	EASTERN LAKE
>12b	INTERIOR PLAINS	CENTRAL LOWLAND	WESTERN LAKE
>12c	INTERIOR PLAINS	CENTRAL LOWLAND	WISCONSIN DRIFTLESS
>12d	INTERIOR PLAINS	CENTRAL LOWLAND	TILL PLAINS
>12e	INTERIOR PLAINS	CENTRAL LOWLAND	DISSECTED TILL PLAINS
>12f	INTERIOR PLAINS	CENTRAL LOWLAND	OSAGE PLAINS
>13k	INTERIOR PLAINS	GREAT PLAINS	CENTRAL TEXAS
>13a	INTERIOR PLAINS	GREAT PLAINS	MISSOURI PLATEAU, GLACIATED
>13b	INTERIOR PLAINS	GREAT PLAINS	MISSOURI PLATEAU, UNGLACIATED
>13c	INTERIOR PLAINS	GREAT PLAINS	BLACK HILLS
>13d	INTERIOR PLAINS	GREAT PLAINS	HIGH PLAINS
>13e	INTERIOR PLAINS	GREAT PLAINS	PLAINS BORDER
>13f	INTERIOR PLAINS	GREAT PLAINS	COLORADO PIEDMONT
>13g	INTERIOR PLAINS	GREAT PLAINS	RATON
>13h	INTERIOR PLAINS	GREAT PLAINS	PECOS VALLEY
>13i	INTERIOR PLAINS	GREAT PLAINS	EDWARDS PLATEAU
>14a	INTERIOR HIGHLANDS	OZARK PLATEAUS	SPRINGFIELD-SALEM PLATEAUS
>14b	INTERIOR HIGHLANDS	OZARK PLATEAUS	BOSTON "MOUNTAINS"
>15a	INTERIOR HIGHLANDS	OUACHITA	ARKANSAS VALLEY
>15b	INTERIOR HIGHLANDS	OUACHITA	OUACHITA MOUNTAINS
>16	ROCKY MOUNTAIN SYSTEM	SOUTHERN ROCKY MOUNTAINS	-
>17	ROCKY MOUNTAIN SYSTEM	WYOMING BASIN	-
>18	ROCKY MOUNTAIN SYSTEM	MIDDLE ROCKY MOUNTAINS	-
>19	ROCKY MOUNTAIN SYSTEM	NORTHERN ROCKY MOUNTAINS	-
>20a	INTERMONTANE PLATEAUS	COLUMBIA PLATEAU	WALLA WALLA PLATEAU
>20b	INTERMONTANE PLATEAUS	COLUMBIA PLATEAU	BLUE MOUNTAIN
>20c	INTERMONTANE PLATEAUS	COLUMBIA PLATEAU	PAYETTE
>20d	INTERMONTANE PLATEAUS	COLUMBIA PLATEAU	SNAKE RIVER PLAIN
>20e	INTERMONTANE PLATEAUS	COLUMBIA PLATEAU	HARNEY
>21a	INTERMONTANE PLATEAUS	COLORADO PLATEAUS	HIGH PLATEAUS OF UTAH
>21b	INTERMONTANE PLATEAUS	COLORADO PLATEAUS	UINTA BASIN
>21c	INTERMONTANE PLATEAUS	COLORADO PLATEAUS	CANYON LANDS
>21d	INTERMONTANE PLATEAUS	COLORADO PLATEAUS	NAVAJO
>21e	INTERMONTANE PLATEAUS	COLORADO PLATEAUS	GRAND CANYON
>21f	INTERMONTANE PLATEAUS	COLORADO PLATEAUS	DATIL
>22a	INTERMONTANE PLATEAUS	BASIN AND RANGE	GREAT BASIN
>22b	INTERMONTANE PLATEAUS	BASIN AND RANGE	SONORAN DESERT
>22c	INTERMONTANE PLATEAUS	BASIN AND RANGE	SALTON TROUGH
>22d	INTERMONTANE PLATEAUS	BASIN AND RANGE	MEXICAN HIGHLAND
>22e	INTERMONTANE PLATEAUS	BASIN AND RANGE	SACRAMENTO
>23a	PACIFIC MOUNTAIN SYSTEM	CASCADE-SIERRA MOUNTAINS	NORTHERN CASCADE MOUNTAINS
>23b	PACIFIC MOUNTAIN SYSTEM	CASCADE-SIERRA MOUNTAINS	MIDDLE CASCADE MOUNTAINS
>23c	PACIFIC MOUNTAIN SYSTEM	CASCADE-SIERRA MOUNTAINS	SOUTHERN CASCADE MOUNTAINS
>23d	PACIFIC MOUNTAIN SYSTEM	CASCADE-SIERRA MOUNTAINS	SIERRA NEVADA
>24a	PACIFIC MOUNTAIN SYSTEM	PACIFIC BORDER	PUGET TROUGH
>24b	PACIFIC MOUNTAIN SYSTEM	PACIFIC BORDER	OLYMPIC MOUNTAINS
>24c	PACIFIC MOUNTAIN SYSTEM	PACIFIC BORDER	OREGON COAST RANGE
>24d	PACIFIC MOUNTAIN SYSTEM	PACIFIC BORDER	KLAMATH MOUNTAINS
>24e	PACIFIC MOUNTAIN SYSTEM	PACIFIC BORDER	CALIFORNIA TROUGH
>24f	PACIFIC MOUNTAIN SYSTEM	PACIFIC BORDER	CALIFORNIA COAST RANGES
>24g	PACIFIC MOUNTAIN SYSTEM	PACIFIC BORDER	LOS ANGELES RANGES
>25	PACIFIC MOUNTAIN SYSTEM	LOWER CALIFORNIAN	-

**Entity and attribute detail citation:**

None.

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## Distribution Information:

### Distributor:

#### Contact information:

##### Contact organization primary:

**Contact organization:** U.S. Geological Survey

##### Contact address:

**Address type:** Mailing address

##### Address:

12201 Sunrise Valley Drive, MS 413

**City:** Reston

**State or province:** VA

**Postal code:** 20192

**Country:** USA

**Contact voice telephone:** 703 648-6854

**Contact electronic mail address:** [kjhitt@usgs.gov](mailto:kjhitt@usgs.gov)

##### Contact instructions:

Please use email.

**Resource description:** Downloadable Data

### Distribution liability:

Although these data have been processed successfully on a computer system at the U.S. Geological Survey, U.S. Department of the Interior, no warranty expressed or implied is made by the Geological Survey regarding the utility of the data on any other system, nor shall the act of distribution constitute any such warranty.

### Standard order process:

#### Digital form:

##### Digital transfer information:

**Format name:** ARC Export and Shapefile. (Shape files are in geographic coordinates [lat/lon decimal degrees].) Files are compressed with the GNU-zip public-domain file compression utility.

\***Transfer size:** 0.021

\***Dataset size:** 0.021

##### Digital transfer option:

##### Online option:

##### Computer contact information:

##### Network address:

##### Network resource name:

<[URL:http://water.usgs.gov/lookup/getspatial?physio](http://water.usgs.gov/lookup/getspatial?physio)>

##### Access instructions:

<[URL:http://water.usgs.gov/lookup/getspatial?physio](http://water.usgs.gov/lookup/getspatial?physio)>

**Fees:** None.

##### Ordering instructions:

<[URL:http://water.usgs.gov/lookup/getspatial?physio](http://water.usgs.gov/lookup/getspatial?physio)>

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## Metadata Reference Information:

\***Metadata date:** 20070720

\***Language of metadata:** en

### Metadata contact:

#### Contact information:

##### Contact person primary:

**Contact person:** Kerie J. Hitt

**Contact organization:** U.S. Geological Survey

##### Contact address:

**Address type:** mailing address

##### Address:

12201 Sunrise Valley Drive, MS-413

**City:** Reston

**State or province:** VA

**Postal code:** 20192

**Country:** USA

**Contact voice telephone:** 703-648-6854

**Contact facsimile telephone:** 703-648-6693

**Contact electronic mail address:** [kjhitt@usgs.gov](mailto:kjhitt@usgs.gov)

**Hours of service:** 9:00am-5:30pm EST

##### Contact instructions:

Please contact through email

\***Metadata standard name:** FGDC Content Standards for Digital Geospatial Metadata

\***Metadata standard version:** FGDC-STD-001-1998

\***Metadata time convention:** local time

### Metadata security information:

**Metadata security classification system:** None

**Metadata security classification:** UNCLASSIFIED

**Metadata security handling description:**

None

### Metadata extensions:

\***Online linkage:** <http://www.esri.com/metadata/esriprof80.html>

\***Profile name:** ESRI Metadata Profile

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## Binary Enclosures:

### Thumbnail:

**Enclosure type:** Picture



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