

Ridgeline

File Geodatabase Feature Class



Tags

Ridgeline, Topography, NREL

Summary

Layer represents major ridgelines in the United States.

Description

The U.S. Geological Survey national 1 km spatial resolution National Elevation Dataset was processed through a topographic position algorithm to identify ridge, valley, toe slope, and flat features. Depending on the scale of the local geographic feature, the national level analysis may not identify a local small or narrow ridge feature.

Credits

National Renewable Energy Laboratory - <https://maps.nrel.gov/wind-pro prospector>

Use limitations

There are no access and use limitations for this item.

Extent

West	-124.614342	East	-67.577546
North	48.992901	South	28.985389

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 environment, location

★ CONTENT TYPE Downloadable Data

EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

Hide Topics and Keywords ▲

Citation ►

TITLE **Ridgeline**

PRESENTATION FORMATS * **digital map**

Hide Citation ▲

Resource Details ►

DATASET LANGUAGES * **English (UNITED STATES)**

DATASET CHARACTER SET **utf8 - 8 bit UCS Transfer Format**

SPATIAL REPRESENTATION TYPE * **vector**

* PROCESSING ENVIRONMENT **Microsoft Windows 7 Version 6.1 (Build 7601) Service Pack 1; Esri ArcGIS 10.3.1.4959**

CREDITS

National Renewable Energy Laboratory - <https://maps.nrel.gov/wind-prospector>

ARCGIS ITEM PROPERTIES

* NAME **ridgeline**

* SIZE **11.278**

* LOCATION

* ACCESS PROTOCOL **Local Area Network**

Hide Resource Details ▲

Extents ►

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENT TYPE **Extent used for searching**

* WEST LONGITUDE **-124.614342**

* EAST LONGITUDE **-67.577546**

* NORTH LATITUDE **48.992901**

* SOUTH LATITUDE **28.985389**

* EXTENT CONTAINS THE RESOURCE **Yes**

EXTENT IN THE ITEM'S COORDINATE SYSTEM

* WEST LONGITUDE **-13872005.099500**

* EAST LONGITUDE **-7522698.035300**

* SOUTH LATITUDE **3373786.475100**

* NORTH LATITUDE **6273656.981300**

* EXTENT CONTAINS THE RESOURCE **Yes**

Hide Extents ▲

Spatial Reference ►

ARCGIS COORDINATE SYSTEM

* TYPE **Projected**

* GEOGRAPHIC COORDINATE REFERENCE **GCS_WGS_1984**

*PROJECTION WGS_1984_Web_Mercator_Auxiliary_Sphere
*COORDINATE REFERENCE DETAILS
PROJECTED COORDINATE SYSTEM
WELL-KNOWN IDENTIFIER 102100
X ORIGIN -20037700
Y ORIGIN -30241100
XY SCALE 10000
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 3857
WELL-KNOWN TEXT PROJCS["WGS_1984_Web_Mercator_Auxiliary_Sphere",GEOGCS
["GCS_WGS_1984",DATUM["D_WGS_1984",SPHEROID
["WGS_1984",6378137.0,298.257223563]],PRIMEM["Greenwich",0.0],UNIT
["Degree",0.0174532925199433]],PROJECTION["Mercator_Auxiliary_Sphere"],PARAMETER
["False_Easting",0.0],PARAMETER["False_Northing",0.0],PARAMETER
["Central_Meridian",0.0],PARAMETER["Standard_Parallel_1",0.0],PARAMETER
["Auxiliary_Sphere_Type",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",3857]]

REFERENCE SYSTEM IDENTIFIER

*VALUE 3857
*CODESPACE EPSG
*VERSION 8.6.2

Hide Spatial Reference ▲

Spatial Data Properties ►

VECTOR ►

*LEVEL OF TOPOLOGY FOR THIS DATASET geometry only

GEOMETRIC OBJECTS

FEATURE CLASS NAME **ridgeline**
*OBJECT TYPE composite
*OBJECT COUNT 50081

Hide Vector ▲

ARCGIS FEATURE CLASS PROPERTIES ►

FEATURE CLASS NAME **ridgeline**
*FEATURE TYPE Simple
*GEOMETRY TYPE Polygon
*HAS TOPOLOGY FALSE
*FEATURE COUNT 50081
*SPATIAL INDEX TRUE
*LINEAR REFERENCING FALSE

Hide ArcGIS Feature Class Properties ▲

Hide Spatial Data Properties ▲

Distribution ▶

DISTRIBUTION FORMAT

* NAME File Geodatabase Feature Class

TRANSFER OPTIONS

* TRANSFER SIZE 11.278

Hide Distribution ▲

Fields ▶

DETAILS FOR OBJECT **ridgeline** ▶

* TYPE Feature Class

* ROW COUNT 50081

FIELD **OBJECTID** ▶

* ALIAS OBJECTID

* 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 OBJECTID ▲

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 **gid** ▶

* ALIAS gid

* DATA TYPE Integer
* WIDTH 4
* PRECISION 0
* SCALE 0

Hide Field gid ▲

FIELD dscr ►

* ALIAS dscr
* DATA TYPE String
* WIDTH 254
* PRECISION 0
* SCALE 0

Hide Field dscr ▲

FIELD Shape_Length ►

* ALIAS Shape_Length
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0
* FIELD DESCRIPTION
Length of feature in internal units.

* DESCRIPTION SOURCE
Esri

* DESCRIPTION OF VALUES
Positive real numbers that are automatically generated.

Hide Field Shape_Length ▲

FIELD Shape_Area ►

* ALIAS Shape_Area
* DATA TYPE Double
* WIDTH 8
* PRECISION 0
* SCALE 0
* FIELD DESCRIPTION
Area of feature in internal units squared.

* DESCRIPTION SOURCE
Esri

* DESCRIPTION OF VALUES
Positive real numbers that are automatically generated.

Hide Field Shape_Area ▲

Hide Details for object ridgeline ▲

[Hide Fields ▲](#)

Metadata Details ►

* METADATA LANGUAGE English (UNITED STATES)
* METADATA CHARACTER SET utf8 - 8 bit UCS Transfer Format

SCOPE OF THE DATA DESCRIBED BY THE METADATA * dataset
SCOPE NAME * dataset

* LAST UPDATE 2015-10-07

ARCGIS METADATA PROPERTIES

METADATA FORMAT ArcGIS 1.0
METADATA STYLE FGDC CSDGM Metadata
STANDARD OR PROFILE USED TO EDIT METADATA FGDC

CREATED IN ARCGIS FOR THE ITEM 2015-10-01 08:52:12
LAST MODIFIED IN ARCGIS FOR THE ITEM 2015-10-07 12:30:36

AUTOMATIC UPDATES

HAVE BEEN PERFORMED Yes
LAST UPDATE 2015-10-07 12:11:09

[Hide Metadata Details ▲](#)

Thumbnail and Enclosures ►

THUMBNAIL
THUMBNAIL TYPE JPG

[Hide Thumbnail and Enclosures ▲](#)

FGDC Metadata (read-only) ▼