



The NDGS is an affiliate of the Earth Science Information Center (ESIC) network. The U.S. Geological Survey coordinates the nationwide ESIC network, which provides information about geology, hydrology, topography, and land use in the form of maps, books, reports, and aerial, satellite, and radar images, and related products. ESIC also publishes and distributes earth-science data in digital form. As an ESIC office, the NDGS can assist the public in locating earth-science materials dealing with North Dakota. For more information, contact Elroy Kadmas, Linda Hagen, or Lorraine Manz by phone at (701) 328 8000.

GENERAL INFORMATION

The North America Tapestry of Time and Terrain

This beautiful map is the result of a collaborative effort between the U.S. Geological Survey, the Geological Survey of Canada, and the Mexican Consejo de Recursos Minerales. The Tapestry map combines one-kilometer resolution digital elevation data with a new geologic map from the Decade of North American Geology geologic map. On the main part of the map, the ages of rocks depict the geologic history of the continent. Inset maps show the distribution of four major rock types: sedimentary, volcanic, plutonic, and metamorphic. The scale of the main part of the map is 1:8,000,000, using a Lambert Azimuthal Equal Area Projection.

To view the map online, visit: <http://geopubs.wr.usgs.gov/i-map/i2781/>.

Title: The North America Tapestry of Time and Terrain
Stock #: 114767
Size: 54" x 42"
Price: \$7.00 for the map plus \$5.00 handling charge

A Tapestry of Time and Terrain

Through computer processing and enhancement, two existing images of the lower 48 states of the U.S. have been brought together into a single digital tapestry. Woven into the fabric of this new map are U.S. Geological Survey maps that depict topography and geology of the United States. The resulting 1:3,500,000-scale composite, is the most detailed and accurate portrait of the United States land surface and the ages of its underlying rock formations. The map resembles traditional 3-D perspective drawings of landscapes with the addition of a fourth dimension, geologic time, which is shown in color. A legend booklet accompanies the map.

For more information on a tapestry of Time and Terrain visit <http://tapestry.usgs.gov>

Title: A Tapestry of Time and Terrain
Stock#: 28887
Size: 56" x 40"
Price: \$7.00 for the map plus \$5.00 handling charge

The Geographic Face of the Nation - Elevation

This colorful poster is the published version of the U.S. Geological Survey's National Elevation Dataset (NED) for the United States. Landforms and elevation are easily recognized in this striking computer-generated 1:4,000,000-scale illustration of the country. State borders are lightly outlined on the poster. Online documentation, viewing, and access to the NED are available at: <http://gisdata.usgs.gov/ned>.

Title: NED Elevation Poster
Stock #: 114587
Size: 56" x 36"
Price: \$7.00 for the poster plus \$5.00 handling

The Geographic Face of the Nation - Land Cover

This map was produced as a digital dataset to be used in geographic information systems (GIS) for environmental analyses, such as watershed management, natural resource inventories, and transportation modeling. Data for individual states may be downloaded free at: <http://landcover.usgs.gov/natlandcover.html>.

Title: The Geographic face of the Nation - land Cover
Stock#: 112765
Size: 56" x 36"
Price: \$7.00 for the map plus \$5.00 handling

Shaded Relief Map of North America

This extraordinary 1:10,000,000-scale wall map illustrates the international and state boundaries, but is clearly designed to emphasize North America's fascinating terrain. The Shaded Relief Map of North America may be viewed at: <http://nationalatlas.gov/whatsnew.html>.

Title: Shaded Relief Map of North America
Stock#: 112733
Size: 42.5" x 37.5"
Price: \$7.00 for the map plus \$5.00 handling

Mapping, Remote Sensing and GIS-related Websites

The following is a sampling from a list of websites recently compiled by the USGS that provide information on various aspects of mapping and GIS. For more information on these and other USGS-related mapping websites contact Linda Hagen or Lorraine Manz at (701) 328-8000.

Web-based Mapping Services

The National Map

Free public access to high-quality geospatial data and information from multiple partners. Surface elevation, vector data, geographic names, hi-res orthoimagery, and more.

<http://nationalmap.usgs.gov/>

National Atlas of the United States

Interactive map with hundreds of free downloadable data layers. A wealth of digital information, and an outstanding educational tool!

<http://nationalatlas.gov/index.html>

To download raw data:

<http://nationalatlas.gov/atlasftp.html>

Terraserver

View and download portions of USGS topographic maps and air photos (JPGs with world files).

<http://terraserver-usa.com>

USGS Maps and Aerial Photos Online

Links to USGS partner sites where you can view USGS maps and aerial photo images from your Web browser.

<http://mapping.usgs.gov/partners/viewonline.html>

Free Landsat Imagery

Global Land Cover Facility

<http://glcf.umiacs.umd.edu/index.shtml>

NASA Zulu Landsat MrSID Imagery

<http://zulu.ssc.nasa.gov/mrsid/>

General Mapping and GIS information

GIS tools and educational resources

A wealth of information about GIS from Joseph Kerski, GIS Education Coordinator for the USGS.

<http://rockyweb.cr.usgs.gov/public/outreach/index.html>

AmericaView

Nationwide program that focuses on satellite remote sensing data and technologies in support of applied research, K-16 education, and technology transfer.

<http://americaview.usgs.gov/>

GIS Overview and Applications Poster

http://erg.usgs.gov/isb/pubs/gis_poster/

Geographic Names Information System

Search for geographic features by name.

<http://geonames.usgs.gov/>

National Geologic Map Database

<http://ngmdb.usgs.gov/>

EDUCATIONAL MATERIALS

Printable outline maps of the U.S.

Printable outline maps of the U.S. are available from the National Atlas. These can be great resources for teachers. You can find them online at: <http://nationalatlas.gov/outline.html>

The following map themes are available at the web site:

Rivers and Lakes

Rivers and Lakes (unlabeled)

States

States (in bright colors)

States (in light colors)

States (unlabeled)

States and Capitals

States and Capitals (capitals unlabeled)

States and Capitals (unlabeled)

CD-ROM Set of Satellite Images

A new CD-ROM set of satellite images provides a valuable record of land surface conditions of the U.S. in the early 1990's. Over 500 Landsat 4 and Landsat 5 scenes were mosaicked to create the views of the United States. While the digital files cover the land surface of the country, features as small as 30 m across can be identified.

Thematic Mapper sensors aboard the satellites collected the data for the mosaics. Scenes from a three-year period were selected from collections to get quality, cloud-free coverage. Earth Satellite Corporation did the mosaicking process under agreement with the USGS and NASA.

The CD-ROM set consists of four disks that cover four geographic regions: the Eastern U.S., Central U.S., Western U.S., and Hawaii and Alaska. The sets are available from the USGS for \$20.00, plus \$5.00 handling and can be ordered manually through DORRAN, or on-line from <http://lpdaac.usgs.gov/nsdp/form.html>. For more information contact Linda Hagen at (701) 328-8000.