
ESIC NEWS

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NDGS ESIC Coordinator



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 Fred Anderson, Donna Bauer, or Elroy Kadmas by phone at (701) 328-8000.

GENERAL INFORMATION

The North Dakota Geological Survey continues to make the following maps available through our publications office:

Iraq Planning Map (1:2,000,000) \$10.00
The Middle East Graphic (1:4,500,000) \$15.00
Iraq (1:1,250,000) \$10.00
Baghdad (1:40,000) \$10.00
Tikrit , Al Basrah, Al Mawsil, Karkuk \$15.00 each.
Lewis and Clark: A Legacy of Science \$10.00
National Wildlife Refuge System Map \$7.00

RECENT PUBLICATIONS OF INTEREST IN NORTH DAKOTA

10th Anniversary of the 1997 Red River Flood

The flood on the Red River in 1997 was one of the worst natural disasters in recent history for many people and communities in the Red River of the North Basin. The USGS, one of the principal federal agencies responsible for the collection and interpretation of water resources data, works with other federal, state, local, tribal, and academic entities to ensure that accurate and timely data are available for enhanced decision making and awareness regarding public welfare and hazards to property during natural disasters. Through collaboration with the North Dakota State Water Commission and the National Weather Service, the story of this event is encapsulated in this poster publication.

Title: 10th Anniversary of the 1997 Red River Valley Flood
General Information Product 49
Publication ID: GIP 49
Available online at: <http://pubs.usgs.gov/gip/2007/49/>

Wetland Hydrology Study on the Fort Berthold Reservation

Recent water-balance modeling was developed to simulate the responses of a wetland on the Fort Berthold Reservation in order to evaluate the effects of extreme

historical and anthropogenic hydrologic inputs that may occur in this area.

Title: Water-Balance Model of a Wetland on the Fort Berthold Reservation, North Dakota
Item No.: Scientific Investigations Report 2007-5034
Available online at: <http://pubs.usgs.gov/sir/sir20075034>

2006 ND Water Resources Data

Surface and Ground-Water resources data for North Dakota water year 2006 is now available online from the USGS as a part of U.S. Water-Data Report (WDR-US-2006). A searchable database with surface water sites, ground-water sites, and information on water quality is featured.

Title: Surface and Ground-Water resources data for North Dakota water year 2006
Water Data Report: WDR-US-2006
Available online only at: <http://pubs.er.usgs.gov/usgspubs/wdr/wdr2006>

EDUCATIONAL MATERIALS

Learning Geography

Helping Your Child Learn Geography is one of a series of booklets for parents published by the Office of Educational Research and Improvement, U.S. Department of Education. From creating treasure maps to helping children find pen pals, this online book offers many fun and simple activities that teach youngsters the fundamentals of geography. A new look has been given to this online resource. A checklist from the standards called "What Does Your Fourth Grader Know?" has been added, and several resources have been updated that have added materials on standards, as well as some new software and Web sites.

This outstanding early childhood resource is available at: <http://www.ed.gov/pubs/parents/Geography/index.html>

Building Stones of Our Nations Capitol

The buildings of our Nation's Capital have been constructed with rocks from quarries throughout the United States and many distant lands. Each building shows important features of various stones and the geologic environment in which they were formed. This interesting and informative booklet describes the source and appearance of many of the stones used in building Washington, D.C. A map and a walking tour guide are also included to help visitors discover the variety and origins of Washington's building stones.

This booklet is available online at: <http://pubs.usgs.gov/gip/stones/>

GEOSPATIAL AND GIS RELATED WEBSITES:

National Geospatial Program Office

The geospatial programs that the USGS has a leadership responsibility for have recently been realigned into a National Geospatial Program Office (NGPO). This realignment of major geospatial data programs has been completed to enhance the requirements, needs, and interests of the geospatial community throughout the nation. With the creation of the NGPO; the National Map, Geospatial One-Stop, and Federal Geographic Data Committee have all been brought together into a single program office in order to more effectively manage these programs as a unified portfolio that provides greater benefit to the entire geospatial community. Along these lines, a Geospatial Modernization Blueprint Update, has been created which describes the process being used to enable the U.S. Department of Interior, and key DOI bureaus, to enhance their ability to support the overall mission and goals of managing these strategic, national data assets.

Additional information about the NGPO and the Blueprint Update can be found at: <http://www.usgs.gov/ngpo/>

GEODE

GEODE (Geo-Data Explorer) is a free USGS service available on the Internet that provides digital geographically referenced data to the desktop computers of any user, including policymakers, land and resource managers, educators,

industries, and private citizens. GEODE provides diverse users a gateway (data portal) that supplies and supports real-time data acquisition and analysis over the Internet without the need for special hardware, software, or training. GEODE permits users to retrieve, display, and manipulate multiple types of information, such as satellite images, geologic maps, graphics, live camera feed, three-dimensional images, and spreadsheet data. The data coverages available are dynamic, and frequently updated; some datasets are international in scope, and some are specific to the United States. Users can combine these datasets to design their own maps and digital products as needed.

The GEODE portal can be accessed through the USGS webpage at: <http://geode.usgs.gov/>

NDGS Earth Science Information Center (ESIC) Affiliate

For assistance in finding and/or ordering a product, or if you have any questions related to North Dakota earth science data or maps, you may contact the North Dakota Geological Survey's, USGS Earth Science Information Center Coordinator, Mr. Fred J. Anderson, at: (701) 328-8000 or via email at: fjanderson@nd.gov

USGS Homepage
<http://www.usgs.gov>