



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 Kadrmas, Linda Hagen, or Lorraine Manz by phone at (701)328-8000.

GENERAL INFORMATION

The North Dakota Geological Survey has the following new maps in stock:

The Middle East Graphic (1:4,500,000)	\$15.00
Iraq (1:1,250,000)	\$10.00
Baghdad (1:40,000)	\$10.00
Lewis and Clark: A Legacy of Science	\$10.00
National Wildlife Refuge System Map	\$7.00

See below for more information on these maps.

NIMA Maps of the Middle East, Iraq, and Baghdad

The National Imagery and Mapping Agency (NIMA) has released to the public seven special reference maps of the Middle East, Iraq, Baghdad, and the towns of Tikrit, Al Basrah (Basra), Karkuk, and Al Mawsil (Mosul). NIMA produced the maps as a reference tool to help government public-affairs offices relate with the public on efforts pertaining to the region. Electronic versions are available in JPEG, EPS (zipped), and MrSID® formats at <http://www.nima.mil/ocrn/nima/panews.html>. (NOTE: MrSID® is a trademark of LizardTech, Inc.)

Paper versions of these maps may be purchased directly from the North Dakota Geological Survey. Note that those marked with an asterisk (*) are not regular stock items.

Title: Middle East Graphic
Stock number: 114513 — Price: \$10.00

Title: Iraq
Stock number: 114514 — Price: \$10.00

Title: Baghdad - Stock number: 114515
Tikrit* - Stock number: 114891
Al Basrah* - Stock number: 114944
Al Mawsil* - Stock number: 114943
Karkuk* - Stock number: 114942
Price: \$15.00 each

Lewis and Clark: A Legacy of Science

A new poster from the U.S. Geological Survey (USGS) commemorates the 200th anniversary of the Lewis and Clark trek. The poster features two maps in parallel view: above is a reproduction of “Lewis and Clark’s Track Across the Western Portion of North America from the Mississippi River to the Pacific Ocean,” published by Samuel Lewis in 1814; below is the same geographic area depicted with current remote sensing technology in a colorful image of the American landscape. The parallel map construction illustrates how far cartographic techniques have advanced in 200 years.

The poster also contains text providing facts about the Lewis and Clark mission, the original map, and mapmaking techniques used by the USGS today.

The Lewis and Clark Expedition was the first of many government surveys of natural resources in the American West. In 1879, four such surveys were combined into a new agency called the United States Geological Survey. The USGS continues to serve the nation as an independent fact-finding agency that provides scientific understanding about natural-resource conditions, issues, and problems. Because of its origin in natural resource surveys and the similarity of the USGS mission to Thomas Jefferson’s charge to Lewis and Clark, the USGS can be seen as the organizational successor to Lewis and Clark.

To view the Lewis and Clark map and other maps available from the Library of Congress Archives, go to <http://rockyweb.cr.usgs.gov/historicmaps/historicmapsfromlca.html>.

Lewis and Clark: A Legacy of Science may be purchased directly from the North Dakota Geological Survey.

Title: Lewis and Clark: A Legacy of Science
Stock number: 113605 — Price: \$10.00

Other Lewis and Clark Products

Lewis and Clark Expedition Historical Map

Stock number: 114886
Size: 24” x 36” (actual map size is 13” x 32”).
Price: \$10.00 plus \$5.00 shipping and handling.

For more information on this map visit the NIMA website at: <http://www.nima.mil/hms>. The Lewis and Clark Expedition Historical Map is part of an historical poster series designed by NIMA to illustrate the analytic disciplines (cartography, photo interpretation, and imagery analysis, regional, aeronautical, hydrographic, and geodetic analysis) that form the basis of NIMA’s core competency of Geospatial

Intelligence. Other maps in the series may be viewed on the NIMA web site and are also available for download in MrSID® format.

Discovering the Legacy of Lewis and Clark

Stock number: I14892 — Price: Free

Discovering the Legacy of Lewis and Clark is a full-color folded pamphlet, measuring 13" x 18" when fully opened. The pamphlet may be viewed at:

<http://corpslakes.usace.army.mil/employees/lewisandclark/pdfs/02jul-brochure-fr.pdf>. Copies are available from USGS Information Services, Box 25286, Denver CO 80225. Call toll free: 1-888-ASK-USGS (275 8747) or send an e-mail to: infoservices@usgs.gov.

National Wildlife Refuge System Map and Brochure

Nationalatlas.gov and the U.S. Fish and Wildlife Service are pleased to offer a map showing the National Wildlife Refuge System for the United States of America. The system is a network of habitats that benefit wildlife, provide unparalleled outdoor experiences for all Americans, and protect a healthy environment. Since President Theodore Roosevelt designated Florida's Pelican Island as the first wildlife refuge in 1903, these lands have grown to encompass more than 540 wildlife refuges, each reflected on this map. Refuges are special places that the U.S. Fish and Wildlife Service and its partners restore, protect, and manage for America's wildlife.

For more information, and a list of other National Atlas maps, visit the atlas website at <http://www.nationalatlas.gov>.

The National Wildlife Refuge System map measures 28" x 32" and is available from the North Dakota Geological Survey.

Title: National Wildlife Refuge System

Stock number: I13787 for the map and I13788 for the brochure

ISBN number for the map is 9 780 607 865 073

Price: \$7.00. The brochure is free.

Homeland Security and the National Map

Homeland Security and The National Map have become big priorities for the National Mapping Discipline. One hundred and thirty three urban areas have been identified as most critical in the support of homeland security needs. USGS efforts are focused on developing detailed, up-to-date basic geographic information for these cities. In partnership with the National Imagery and Mapping Agency (NIMA), the USGS is working with state, regional, and local agencies to provide updated imagery and mapping information needed to prepare for and respond to terrorist attacks.

Included in the list of 133 urban areas are Minneapolis-St. Paul, MN, Helena, MT, Bismarck, ND, and Pierre, SD.

An explanation of efforts concerning Homeland Security and The National Map is provided at the following web site: <http://mac.usgs.gov/mac/isb/pubs/pubslists/fctsh.html>.

Magnetic Anomaly Map of North America

This digital Magnetic Anomaly database and map for the North American continent is the result of a joint effort between the Geological Survey of Canada (GSC), U.S. Geological Survey (USGS), and Consejo de Recursos Minerales of Mexico (CRM).

The digital magnetic anomaly database and map of North America are powerful tools for evaluating the structure, geologic processes, and tectonic evolution of the continent and may also be used to help resolve societal and scientific issues that span national boundaries. The map, which is derived from the digital database, provides a magnetic view of continental-scale trends not available in individual data sets, helps link widely separated areas of outcrop, and unifies disparate geologic studies. The map measures 56" x 40" and comes with a 31-page legend/pamphlet.

For more information about this map and other products visit the <http://crustal.usgs.gov/namad/> website, or contact Linda Hagen at (701) 328-8000.

Title: Magnetic Anomaly Map of North America

Stock number: I13752 for the map and I13756 for the pamphlet.

Price: \$7.00 for both map and pamphlet.

EDUCATIONAL MATERIALS

Publications Update

The long anticipated revision of the Geographic Information Systems (GIS) poster has arrived and is available at no cost. This is an information-packed, full-color brochure that explains what GIS is, what spatial data are, and how spatial data and analysis through GIS are applied to local and global issues.

The poster's contents are online at <http://www.usgs.gov/research/gis/title.html>.

Stock number: I6424

ISBN number: 9 780 607 729 634

This poster and all other materials described in the ESIC News bulletin are available from:

USGS Information Services

Box 25286

Denver Federal Center

Denver, CO 80225

Tel: 888-ASK-USGS; Fax: 303-202-4693

Note: There is a handling fee for most items ordered from the above address. Be sure to enquire about additional charges when placing your order.