



Center for Earth Resources Observation and Science (EROS)

# Geospatial Map and Data Services Web Sites

<p><b>EROS Home Page</b>  <a href="http://eros.usgs.gov">http://eros.usgs.gov</a></p>	<p>The USGS Center for Earth Resources Observation and Science (EROS) is a national data reception, processing, archiving, distribution, and research facility for remotely sensed data and other forms of geographic information. It holds the world's largest collection of civilian remotely-sensed data covering the Earth's land surface, archiving millions of satellite images and aerial photographs. This archive, co-located with its attendant engineering and scientific expertise, aerial provides a unique capability for developing and promoting science applications of remotely sensed data to identify, monitor, and understand changes on the landscape and across the interface between nature and society.</p>
<p><b>GISDATA Web Portal</b>  <a href="http://gisdata.usgs.gov/">http://gisdata.usgs.gov/</a></p>	<p>This portal page has public map services and map interfaces developed at EROS.</p>

**Data Delivery Sites:**

<p><b>The Seamless Server</b>  <b>(Seamless Data Distribution System)</b>  <a href="http://seamless.usgs.gov">http://seamless.usgs.gov</a></p>	<p>The Seamless Server is the ultimate location to explore and retrieve data. Here we've already done the work for you. With our seamless products, you'll never need to edge match data. We offer you complete, standardized, and consistent nationwide seamless products.</p>
<p><b>EarthExplorer</b>  <a href="http://earthexplorer.usgs.gov">http://earthexplorer.usgs.gov</a></p>	<p>EarthExplorer is the search and ordering Web site for USGS elevation, digital orthoimagery, <i>The National Map</i> digital data, satellite data, Land Cover digital data and other tile-based digital products.</p>
<p><b>GloVis</b>  <a href="http://glovis.usgs.gov">http://glovis.usgs.gov</a></p>	<p>USGS Global Visualization Viewer (GloVis) simple on line search and order tool for selected satellite data.</p>

**Map and Data Services – Integrated Geography Science**

<p><b>Afghanistan USGS Projects</b>  <a href="http://gisdata.usgs.net/website/Afghan/">http://gisdata.usgs.net/website/Afghan/</a></p>	<p>The viewer allows interactive creation of maps of Afghanistan with a variety of landscape and infrastructure features at any scale.</p>
<p><b>ARMI Web Site</b>  <a href="http://armi.usgs.gov/">http://armi.usgs.gov/</a>  <a href="http://gisdata.usgs.gov/website/armi">http://gisdata.usgs.gov/website/armi</a></p>	<p>The USGS implemented Amphibian Research Monitoring Initiative (ARMI) to determine the status of amphibians in the United States. Amphibians have been declining worldwide, and their sensitivity to the environment may be a reason for concern. Such widespread declines could be an early warning of potential harmful environmental conditions. The interactive map allows users to view local study areas within a broader context of multiple environmental layers at multiple scales.</p>
<p><b>USGS Drought Monitoring Viewer</b>  <a href="http://gisdata.usgs.gov/website/Drought_Monitoring">http://gisdata.usgs.gov/website/Drought_Monitoring</a></p>	<p>A collaborative effort by the U.S. Geological Survey Center, EROS, the National Drought Mitigation Center, and the High Plains Regional Climate Center is underway to develop and deliver geographic information on drought at a 1-km spatial resolution. USGS Drought Monitoring Viewer provides a dynamic online map interface that can be used to view a suite of satellite-derived vegetation condition datasets, integrated with information from EROS.</p>
<p><b>EDNA Interactive Viewer</b>  <a href="http://edna.usgs.gov/">http://edna.usgs.gov/</a>  <a href="http://gisdata.usgs.gov/website/edna">http://gisdata.usgs.gov/website/edna</a>  <a href="http://gisdata.usgs.gov/website/LakeMich">http://gisdata.usgs.gov/website/LakeMich</a></p>	<p>Elevation Derivatives for National Applications (EDNA) is a multi-layered database derived from a version of the National Elevation Dataset (NED), which has been hydrologically conditioned for improved hydrologic flow representation. The interactive map displaying EDNA and the capabilities of the product. Watershed Delineation and Classification Tools for Monitoring and Assessment: Lake Michigan Basin Demonstration</p>
<p><b>Committee on Earth Observing Satellites (CEOS) &amp;The National Satellite Land Remote Sensing Data Archive (NSLURSDA)</b>  <a href="http://gisdata.usgs.gov/website/CEOS/">http://gisdata.usgs.gov/website/CEOS/</a></p>	<p>Committee on Earth Observing Satellites (CEOS) Working Group on Information Systems and Services (WGISS) and the USGS National Satellite Land Remote Sensing Data Archive provided an online map interface to view Earth Observation ground coverage's.</p>

<b>Integrated Vegetation Mapping</b> <a href="http://gisdata.usgs.gov/website/ivm/">http://gisdata.usgs.gov/website/ivm/</a>	Interactive map utilizing the various products from Advanced Very High Resolution Radiometer (AVHRR), include greenness and fire potential index data.
<b>International Boundary and Water Commission (IBWC)</b> <a href="http://gisdata.usgs.gov/website/ibwc">http://gisdata.usgs.gov/website/ibwc</a>	Interactive map interface focusing on the International Boundary and Water Commission (IBWC) areas and the associated geospatial information.
<b>Kentucky Landscape Snapshot Viewer</b> <a href="http://gisdata.usgs.gov/website/Kentucky">http://gisdata.usgs.gov/website/Kentucky</a>	Interactive map interface focusing on Land Cover and Urban Imagery in Kentucky.
<b>Land Deformation</b> <a href="http://edc.usgs.gov/Geo_Apps/">http://edc.usgs.gov/Geo_Apps/</a>	This Web site is the homepage for an interdisciplinary research group that investigates an array of earth science problems that span the traditional domains of Geographic Discipline, Geologic Discipline, and Water Resources Discipline. Much of the work involves the use of interferometric synthetic aperture radar (InSAR) data and combinations of other types of remote sensing data.
<b>Land Fire</b> <a href="http://www.landfire.gov/">http://www.landfire.gov/</a> <a href="http://gisdata.usgs.gov/website/Landfire">http://gisdata.usgs.gov/website/Landfire</a>	Land Fire is an interagency wildland fuel, ecosystem, and fire regime-mapping project. The objective is to provide consistent, nationwide data describing biophysical settings, vegetation, fire fuels, and fire regime characteristics. The interactive map helps deliver a suite of 21 major map products at 30-m resolution across the nation.
<b>Light Detection and Ranging (LIDAR)</b> <a href="http://lidar.cr.usgs.gov">http://lidar.cr.usgs.gov</a> <a href="http://gisdata.usgs.gov/website/lidar">http://gisdata.usgs.gov/website/lidar</a>	LIDAR sensors are active sensing systems that can directly measure structure in three dimensions. The Topographic Sciences Project at EROS is incorporating high-resolution LIDAR data into research involving bare earth analysis, vegetative analysis, and feature extraction, and is researching new ways of visualizing this state-of-the-art data. The interactive map provides a mechanism to view and acquire LIDAR data as well as other map layers.
<b>Model Parameter Estimation Experiment (MOPEX)</b> <a href="http://gisdata.usgs.gov/website/mopex">http://gisdata.usgs.gov/website/mopex</a>	Model Parameter Estimation Experiment (MOPEX) is comprised of university and government researchers doing atmospheric and hydrologic modeling.
<b>MRLC Viewer</b> <a href="http://gisdata.usgs.gov/website/MRLC">http://gisdata.usgs.gov/website/MRLC</a>	The Multi-Resolution Land Characteristics (MRLC) viewer focuses on the National Land Cover Dataset 2001 Land Cover, Canopy, and Impervious layers. The layers are downloadable.
<b>North Carolina One Map</b> <a href="http://gisdata.usgs.net/website/NC_OneMap/">http://gisdata.usgs.net/website/NC_OneMap/</a>	This Web site displays the cooperation between USGS and local agencies and each agency's data.
<b>National Petroleum Reserve – Alaska (NPR-A)</b> <a href="http://gisdata.usgs.net/website/npra">http://gisdata.usgs.net/website/npra</a>	Interactive map focuses on digital imagery of the National Petroleum Reserve – Alaska.
<b>U.S. - Mexico Border Environmental Health Initiative</b> <a href="http://borderhealth.cr.usgs.gov">http://borderhealth.cr.usgs.gov</a> <a href="http://gisdata.usgs.gov/website/borderhealth">http://gisdata.usgs.gov/website/borderhealth</a>	The primary objective of this project is to develop an integrated, Web-based, environmental resource database for display and further analysis within a geographic information system (GIS) framework. This information system, available to the public through the Internet Mapping Service, provides the data and tools needed to examine both the occurrence and distribution of disease-causing agents in the environment and their specific exposure pathways in water, air, biota, and soil. A desired outcome of this project will be an enhancement of opportunities for collaborative research with public health agencies and biomedical researchers as a result of the identification of information gaps.

## Map and Data Services – International Program Funded

<b>FEWS ADDS</b> <a href="http://edcintl.cr.usgs.gov/adds">http://edcintl.cr.usgs.gov/adds</a> <a href="http://www.fews.net">http://www.fews.net</a>	The U.S. Agency for International Development (USAID) Famine Early Warning System NET (FEWS NET) is an information system designed to identify problems in the food supply system that potentially lead to famine, flood, or other food-insecure conditions. This site links to other FEWS NET websites.
<b>FEWS Early Warning Sites</b> <a href="http://earlywarning.usgs.gov/Afghan/">http://earlywarning.usgs.gov/Afghan/</a> <a href="http://earlywarning.usgs.gov/CentralAmerica">http://earlywarning.usgs.gov/CentralAmerica</a> <a href="http://earlywarning.usgs.gov/haiti">http://earlywarning.usgs.gov/haiti</a>	These Web sites are part of the (FEWS NET).
<b>FEWS Flood Sites:</b> <a href="http://www.sadc-hazards.net/">http://www.sadc-hazards.net/</a> <a href="http://gisdata.usgs.net/gh_floods/">http://gisdata.usgs.net/gh_floods/</a>	These Web sites aim at providing up-to-date information on development and impact of floods, drought and adverse weather.

## Contact Information

Customer Services USGS Center for Earth Resources Observations and Science (EROS) 47914 252 <sup>nd</sup> Street Sioux Falls, SD 57198-0001	Tel: 800-252-4547 Tel: 605-594-6151 Fax: 605-594-6589 TDD: 605-594-6933 Email: <a href="mailto:custserv@usgs.gov">custserv@usgs.gov</a> Business Hours: Monday thru Friday, 8:00 a.m. to 4:00 p.m., CST
--	--