



Agency Update: *The U.S. Geological Survey*



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U.S. Department of the Interior
U.S. Geological Survey

USGS Science Strategy Goals

- Understanding Ecosystems and Predicting Ecosystem Change
- Climate Variability and Change
- Energy and Minerals for America's Future
- A National Hazards, Risk, and Resilience Assessment Program
- The Role of Environment and Wildlife in Human Health
- A Water Census of the United States
- Cross-cutting Science Direction
 - Data Integration and Beyond



Natural Science Network: Organizational Concept

- Science Information and Library Services
 - Library Services
 - Information Services
 - Call Center
 - Inreach and Outreach
 - Training and Education
- Information Delivery
 - Maps & publications on-demand delivery
 - Electronic inventory management
 - Limited printed stock management
 - Web products & delivery
 - Business partnerships for commercial retail sales



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Map Locator and Downloader <http://store.usgs.gov/>

The screenshot displays the 'Map Locator' tool on the USGS Store website. The interface includes a search bar with the text 'SEARCH: [search_text]', a 'Go' button, and a 'Search Type' dropdown menu set to 'Address or Place'. Below the search bar, there are instructions for using the map: 'STEP 1. FIND A PLACE ON THE MAP' and 'STEP 2. SELECT AND GET YOUR MAPS'. The map itself shows the United States and parts of Canada and Mexico, with various map controls like 'Map', 'Satellite', 'Hybrid', and 'Topo'. The USGS logo is present in the top left and bottom left corners of the page.



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Map Locator and Downloader

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

- Download PDF versions of USGS topo quads

New
geo-
referenced
versions
being added.



Name	Extent	Date	Map File	Size
Jacksonville	7.5x7.5	1994	order download	12733 KB
Jacksonville	30x60	1980	order download	13955 KB
Jacksonville	1X2	1988	order download	10272 KB

Publications Warehouse

- A reports and thematic maps database
- Currently contains nearly 70,000 bibliographic citations
- Includes numbered series going back to 1882
- Citations and online documents are added regularly
- Content ranges from full text to bibliographic citation only
- Links to 41,000+ on-line documents, reports, and maps
- Links to the USGS Store and USGS Libraries
- Expanding citations
- Scanning reports and maps to view on-line



Publications Warehouse: <http://pubs.usgs.gov/>

The screenshot shows the USGS Publications Warehouse homepage. At the top left is the USGS logo with the tagline "science for a changing world". To the right are links for "USGS Home", "Contact USGS", and "Search USGS". Below the logo is a navigation bar with "PW Home", "Advanced Search", "Contents", "MIA", "FAQ", "Contact Us", and "Recent Publications". The main heading is "Publications Warehouse Basic Search". There are two search options: "Title and/or Author Search" and "Advanced Search", each with a text input field and a "Go" button. Below the search fields is a "Search Tips" link. The main content area is titled "Welcome to the Publications Warehouse" and contains three sections: "The Publications Warehouse contains:" with bullet points about bibliographic citations and map content; "Use the Publications Warehouse Web Site to:" with bullet points about locating products; and "Future enhancements will include:" with bullet points about citations and geographic search. On the right side, there is a vertical menu with categories: "Product Information" (Maps, Aerial Photographs, Satellite Imagery, Real-Time Data, Software, Biology Publications), "Products Beyond the Pubs Warehouse" (USGS Store, Earth Explorer, Ordering USGS Products, Library Sources for USGS Publications, Minerals Periodicals), "About Pubs Warehouse" (News, Contents, Descriptions of USGS Series, MIA), and "Further Information 1-888-ASK-USGS".



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Publications Warehouse: *Status of Digitization Efforts*

The screenshot shows the USGS Publications Warehouse homepage with a table and text overlay. The table is titled "Total Citations in Publication Warehouse" and "Total number of citations with electronically available documents". The table has two columns: "Total Citations in Publication Warehouse" and "Total number of citations with electronically available documents". The first row shows 72926 and 43330 respectively. Below the table is a table with columns: "Series Name", "Series Code", "Series Began", "Through", "Total number of citations", and "Total online". The table lists various series and their corresponding statistics. A text overlay on the left side of the table reads: "72,926 identified - 43,330 done to date 29,596 to be done". Below the text overlay is a note: "Does not yet include unnumbered series, journal articles, or topographic maps." The right side of the screenshot shows the same navigation menu as the previous screenshot.

Series Name	Series Code	Series Began	Through	Total number of citations	Total online
Annual Report	AR	1880	1905	66	20
Antarctic Map	A	1970	1989	14	0
Biological Science Report	BSR	1995	2004	38	20
Bulletin	B	1883	2008	4601	2536
Circular	CIR	1933	2008	1471	1408
Circum-Pacific Map	CP	1990	2000	16	14
Coal Map	GOAL	1950	1995	163	1
Data Series	DS	1991	2008	354	305
FWS/OBS	FWSOBS	1975	1989	710	86
Fact Sheet	FS	1994	2008	2189	2045

72,926 identified
- 43,330 done to date
29,596 to be done

Does not yet include unnumbered series, journal articles, or topographic maps.



Photography Library

- Over 400,000 photographs taken during geologic studies of the United States and its territories from 1868 to the present.
- Visual history of the discovery, development, and sciences of the United States and its Geological Survey.
- Currently less than 10 percent of the Library's images are online (approximately 30,000 photographs)
- Digital resolution options of each image include:
 - 100 dots per inch (dpi) thumbnail GIF file
 - 700 dpi medium-resolution JPG file
 - 1400 dpi high-resolution JPG file
 - 1600+ dpi full-resolution JPG file



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Photography Library

<http://libraryphoto.cr.usgs.gov/index.html>

USGS Home
Contact USGS
Search USGS

U.S. Geological Survey Photographic Library

Home | About the USGS Photo Library | Resolutions and Downloading | Contact Us | Latest Additions

Select a Search Method:

Key Word Search

Earthquakes
Mines, Hills, Quarries
Mount St. Helens
National Parks
Photographers
Pioneer Photographers
Portrait Collection

This Month in History

Welcome to the U.S. Geological Survey Photographic Library

This site is designed to provide free viewing and downloading of the entire USGS photographic collection.

"Select a Search Method" menu accesses the photographs. The "Key Word Search" feature allows the user the freedom to search for any desired subject. Choosing from the list of subjects on this menu allows searching within specific categories.

Images are available to view and download at no charge.
Terms of Use, Copyright, and Publishing Information.

Digital resolution options of each image include:

- 100 dots per inch (dpi) thumbnail-resolution GIF file
- 700 dpi medium-resolution JPG file
- 1400 dpi high-resolution JPG file
- 1600+ dpi full-resolution JPG file

For more information, visit [Resolutions and Downloading](#) at the top of this page.

Grand Canyon National Park, Arizona. A dense community of saltcedar, amoussoid, and tamarix willow has become established along the shore on both sides of the Colorado River. The fan on the right is more heavily overgrown by plants than in 1921, except for the formerly stabilized high terrace which now seems to be covered by a sand deposit. September 29, 1976. Figure 69-9, U.S. Geological Survey Professional Paper 1132. ID: Turner, R.M., 88



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NBII Digital Image Library

<http://images.nbii.gov/>

- Diverse range of images related to nature and the environment:
 - plants, animals, fungi, and microorganisms
 - scenic landscapes, wildlife management, environmental topics
 - biological study/fieldwork.
- Browse subject categories or search for specific images
- Metadata record contains scientific name, description, location, and date
- Current holdings: 10,670 images



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NBII Digital Image Library

<http://images.nbii.gov/>



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The USGS and Science Education

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

USGS
science for a changing world

USGS Home
Contact USGS
Search USGS

USGS Education

The USGS and Science Education

The U.S. Geological Survey provides scientific information intended to help educate the public about natural resources, natural hazards, geospatial data, and issues that affect our quality of life. Discover selected online resources, including lessons, data, maps, and more, to support teaching, learning, education (K-12), and university-level inquiry and research.

What's New, What's Happening	Educational Resources	Of Special Interest
Featured Topic Monitoring Natural Hazards  Wildfires, hurricanes, volcanic eruptions, earthquakes – they're all happening at the same time! Teachers and students can track current events using the interactive overview map at the USGS Natural Hazards Support System, which monitors natural hazard events as they are occurring anywhere on earth! For major events in the U.S., go to the USGS Emergency Operations Web site to download satellite images, GIS data, and other resources. USGS Education Resource for Teachers Incorporate USGS science in lesson-planning with help from this convenient brochure. Earth Science Week 2008 Encourage young people to learn about the geosciences by getting away from the television, off the computer, and out of doors. Earth Science Week 2008: "No Child Left Inside" is October 12-18. Click here to learn more about Earth Science Week 2008.	USGS Educational Resources For Primary Grades Grades K-6 USGS Educational Resources For Secondary Grades Grades 7-12 USGS Educational Resources For Undergraduate Education Community Colleges and Universities USGS Resources For California's Education Standards (K-12) This Web site links selected online resources to an established list of Science and History-Social Science content standards for California. Schoolyard Geology Activities and examples of ways to turn a "field trip" through your own schoolyard into a rich geologic experience. The "GIS Lab" Lessons, data, and information about using Geographic Information Systems (GIS) and spatial analysis in education.	USGS CoreCast! The New USGS Podcast Series! USGS CoreCast brings you straight science insight on natural hazards, climate change, satellite imagery and monitoring; water quality; human health and wildlife disease; and much more. It's natural science from the inside out. Videos and Animations A collection of USGS videos and animations covering a wide range of science. Find A Map! Links to popular USGS map resources and map databases, including the: <i>The National Map</i> , and <i>The National Atlas</i> . Our Changing Planet Think that geography is just memorizing state capitals? With these USGS resources and lessons, you'll be investigating our changing planet! Careers in Science High resources and videos about USGS Science.



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Real Time Water Data

<http://waterdata.usgs.gov/usa/nwis/rt>

- Over 8,000 on-line stations throughout the U.S.
- Data are transmitted from each station at intervals of either 3 or 4 hours and are loaded onto the District's computer system.
- Each station record is considered provisional until the data are published. The data are usually published within 6 months of the end of the water year (Sept 30).
- Water resources data are published annually for use by engineers, scientists, managers, educators, and the general public.
 - Annual Water Data Reports (<http://wdr.water.usgs.gov/>)



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Real Time Water Data

<http://waterdata.usgs.gov/usa/nwis/rt>

The screenshot displays the USGS National Water Information System (NWIS) Web Interface. At the top, there is a navigation bar with the USGS logo and the tagline "science for a changing world". Below this, the page title is "National Water Information System: Web Interface". The interface includes a search bar for "Data Category" (set to "Real-time") and "Geographic Area" (set to "United States"). A news section titled "USGS Real-Time Water Data for the Nation" is visible, along with a "Daily Streamflow Conditions" map of the United States. The map shows streamflow data for Friday, October 17, 2008, at 17:30ET. A text box on the right explains that real-time data are typically recorded at 15-60 minute intervals and are available for viewing within minutes of arrival. A "Build Table" button is also present.



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LandSat for Free

- October 1, 2008 - All Landsat 7 ETM+ scenes held in the USGS EROS archive are now available at no charge.
- Landsat 7 ETM+ data can be searched, downloaded, or requested from:
 - EarthExplorer (<http://edcns17.cr.usgs.gov/EarthExplorer/>)
 - Glovis (<http://glovis.usgs.gov/>)
- By February 2009, any Landsat archive scene selected by a user will be processed, at no charge, automatically to a standard product recipe and staged for electronic retrieval.



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Points of Contact

USGS Library: <http://www.usgs.gov/library>

ASK USGS: 1-888-ASK-USGS (1-888-275-8747)
<http://www.usgs.gov/ask/>

USGS Store: 1-888-ASK-USGS Select Option 1
<http://store.usgs.gov/>

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