



*2015 Depository Library Council Meeting and Federal Depository  
Library Conference*

**Publications of the U.S. Department of the Interior,  
its Agencies and Bureaus**

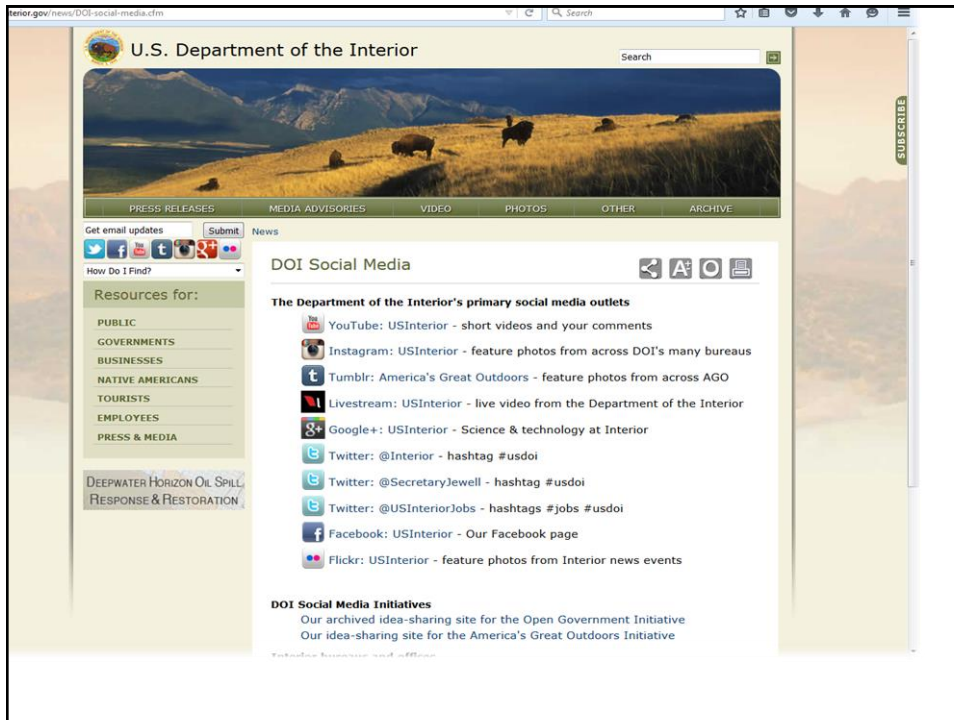
*Judy Din, Head of Technical Services,  
U.S. Department of the Interior, Interior Library  
Carolyn Frenger, Library Technician,  
U.S. Department of the Interior, Interior Library*

October 20, 2015



**For a copy of the Publications of the U.S. Department of the Interior  
presentation slides, please go to the following Slide Share URL:**

<http://www.slideshare.net/DOILibrary1151>



## Facts about the Department of the Interior Library (cont.)

### Interior Library Collections

The Department of the Interior Library consists of many collections, including a General Collection, a Reference Collection, a Law Collection and a Rare Books collection. These collections contain a wide variety of books, periodicals, documents and other resources including:

- Publications produced by bureaus and offices of the Department of the Interior, as well as reports of research and projects funded by the Department,
- Standard reference sources such as almanacs, encyclopedias, yearbooks, and directories as well as various publications and documents from such locations as the White House and the U.S. Congress
- United States Reports, Federal reporters, selected state, territorial, and tribal codes, and legal treaties, Departmental legal and administrative materials, law reference sources, and law reviews
- Selected records from the Department that are permanently maintained by the National Archives and Records Administration.

The Library receives many reports each year from other agencies of the U.S. Federal government as a selective Federal Documents Depository Library.

### Library Modernization

Wing 1 of the Stewart Lee Udall Department of the Interior Building closed for a two-year Modernization Project in the summer of 2014. As a result, the Interior Library closed its historic Reading Room and stack areas to patrons on May 30, 2014.

A smaller, temporary library opened in Room 2262 of the building. When modernization of Wing 1 is completed after about two years, the Interior Library and its collections will be returned to its former, but newly renovated space.

### Questions

Any questions regarding the DOI Library, its collections and/or services can be sent to [library@ios.doi.gov](mailto:library@ios.doi.gov) or asked by calling (202) 208-5815.

The Library's hours are 7:45 a.m. to 5:00 p.m. Monday through Friday (except Federal holidays).

Interior Library | U.S. Depart... x

https://www.doi.gov/library

U.S. Department of the Interior

Interior Library

About Us Events Services Collections Databases Search

## Where DOI Employees Get Their Information

The Interior Library provides a full range of professional reference and research services, available to interior employees in both the Washington, DC, area and nationwide. The collections include Departmental publications, as well as related books, journals, electronic databases and other resources that support the mission of the Department, its agencies, and bureaus.

[Temporary Library](#)

U.S. Department of the Inte... x

https://www.doi.gov/library/us-department-interior-information

U.S. Department of the Interior

Interior Library

About Us Events Services Collections Databases Search

Interior Library / U.S. Department of the Interior Information

Share

## U.S. Department of the Interior Information



Bureaus and Agencies of Interior

*(links to their web sites)*

- [Bureau of Indian Affairs](#)
- [Bureau of Indian Education](#)
- [Bureau of Land Management](#)
- [Bureau of Ocean Energy Management](#)
- [Bureau of Reclamation](#)
- [Bureau of Safety and Environmental Enforcement](#)
- [National Park Service](#)
- [Office of Surface Mining Reclamation and Enforcement](#)
- [U.S. Fish and Wildlife Service](#)
- [U.S. Geological Survey](#)
- [Office of the Secretary](#)

ELIPS - Google Chrome  
 elips.doi.gov/elips/  
 DOI Library Wareho... Other Help

## Electronic Library of the Interior Policies





Welcome to the ELIPS Internet Gateway.  
 This is a library of official policies, procedures, programs,  
 and functions of the bureaus and offices  
 of the Department of the Interior.

[Browse](#)  
[Advanced Search](#)  
[Search Tips](#)  
[Feedback](#)  
[Document Update Notification](#)

---

[Disclaimer](#) | [Privacy Statement](#) | [EOIA](#) | [USA.gov](#) | [White House](#) | [DOI Home](#)  
 Last Modification to This Page: 31 January 2012  
 Document management portal powered by Laserfiche WebLink 8.2.1 © 1999-2012 [Laserfiche](#)



## Department of the Interior's Office of the Solicitor

<p><b>ABOUT THE OFFICE OF THE SOLICITOR</b></p> <p>“The Solicitor’s Office performs the legal work for the United States Department of the Interior. [Its] primary client is the Secretary of the Interior. [It] provide[s] advice, counsel and legal representation to the Immediate Office of the Secretary, the Assistant Secretaries, and all other bureaus and offices overseen by the Secretary.</p> <p><b>Organization</b></p> <p>The Solicitor’s Office is organized into the Immediate Office of the Solicitor, the Ethics Office, five legal divisions, an administrative division, and eighteen regional and field offices located throughout the United States.”</p>	<p><b>Function</b></p> <p>“The Solicitor is the chief attorney for the United States Department of the Interior, principal legal adviser to the Secretary of the Interior, and is assisted by a Deputy Solicitor, Special Assistant, Ethics Director, Senior Counsel for Collaborative Action and Dispute Resolution, six Associate Solicitors, eight Regional Solicitors, and a staff of more than three hundred attorneys and four hundred total employees.”</p> <p><b>For further information, please visit:</b>  <a href="https://solicitor.doi.gov/">https://solicitor.doi.gov/</a></p>
--	--

https://solicitor.doi.gov/opinions.html

Tuesday, September 29, 2015

Office of the Solicitor Home

U.S. Department of the Interior

**Office of the Solicitor**

Search

Welcome | About Us | News | Contact Us | DOI Home

**HILARY TOMPKINS**

- Welcome Message
- SOLICITOR OPINIONS**
- DOI DECISIONS
- THE OFFICE
  - Headquarters
  - Regions
  - Ethics
- EMPLOYMENT
  - Legal Internship Program
- FOR DOI EMPLOYEES
  - Select one

**U.S. Department of the Interior  
Office of the Solicitor  
SOLICITOR'S OPINIONS**

To access each document, click the link on the Opinion NUMBER column.

DATE	NUMBER	SUBJECT / DESCRIPTION
1993-present	<a href="#">M-Opinion Index</a>	
5/1/2015	<a href="#">M-37031</a>	Legal Status of the Red Lake Band of Chippewa Indians' Restored Lands Assessed for Drainage Works by the State of Minnesota Under the Authority of the Volstead Act of 1908
12/23/2014	<a href="#">M-37030</a>	Trinity River Division Authorization's 50,000 Acre-Foot Proviso and the 1959 Contract between the Bureau of Reclamation and Humboldt County
3/12/2014	<a href="#">M-37029</a>	The Meaning of "Under Federal Jurisdiction" for Purposes of the Indian Reorganization Act
6/21/2013	<a href="#">M-37028</a>	Applicability of the New Mexico Bureau of Land Management's Riparian Policy to Lands within the Boundaries of the Santa Clara Pueblo Grant
6/7/2013	<a href="#">M-37027</a>	Boundary Dispute: Pueblo of Santa Ana Petition for Correction of the Survey of the South Boundary of the Pueblo of San Felipe Grant
8/10/2012	<a href="#">M-37026</a>	Applicability of the Indian Land Consolidation Act's Lien Provisions to the Cobell Settlement
11/04/2011	<a href="#">M-37025</a>	Partial Withdrawal of M-36964 - "Proposed Installation of MCI Fiber Optic Communications Line Within Southern Pacific Transportation Co.'s Railroad Right-of-Way"
05/04/2011	<a href="#">M-37024</a>	Withdrawal of M-37013 - "The Meaning of "In Danger of Extinction Throughout All or a Significant Portion of its Range."
01/18/2009	<a href="#">M-37023</a>	Applicability of 25 U.S.C. § 2719 to Restricted Fee Lands
01/16/2009	<a href="#">M-37022</a>	Protest and Administrative Appeal of Biological Assessments -- Livestock Grazing
01/16/2009	<a href="#">M-37021</a>	The Meaning of "Foreseeable Future" in Section 3(20) of the Endangered Species Act
01/16/2009	<a href="#">M-37020</a>	The Bureau of Land Management's Authority To Issue Prospecting Permits for Energy Minerals on Bankhead-Jones Farm Tenant Act Lands



## Bureau of Indian Affairs

### About the Bureau of Indian Affairs

Indian Affairs (IA) is the oldest bureau of the United States Department of the Interior. Established in 1824, IA currently provides services (directly or through contracts, grants, or compacts) to approximately 1.9 million American Indians and Alaska Natives. There are 566 federally recognized American Indian tribes and Alaska Natives in the United States.

### The Bureau of Indian Affairs (BIA) mission is to:

*"... enhance the quality of life, to promote economic opportunity, and to carry out the responsibility to protect and improve the trust assets of American Indians, Indian tribes, and Alaska Natives."*

Indian Affairs | Document ... x +

www.indianaffairs.gov/DocumentLibrary/index.htm

WEDNESDAY OCTOBER 7, 2015

US Department Of The Interior  
Indian Affairs

HOME WHO WE ARE WHAT WE DO NEWS CALENDAR DOCUMENT LIBRARY CONSULTATIONS HOW DO WE DO IT FAQs JOBS

HOME • DOCUMENT LIBRARY

### DOCUMENT LIBRARY

CHOOSE A CATEGORY  
-- Click To Change Category --

#### Frequently Requested Documents and Links

- Guide to Tracing Your American Indian Ancestry
- Tribal Leaders Directory
- FR Notice - Indian Entities Recognized and Eligible to Receive Services From the US BIA
- FR Notice - Indian Child Welfare Act, Designated Tribal Agents for Service of Notice
- Certificate of Degree of Indian or Alaska Native Blood Application and Instructions
- Form BIA 4432 Verification of Indian Preference for Employment in the BIA and IHS
- American Indian Population and Labor Force Reports
- BIA Regional, Agency, and Field Offices Map
- Indian Affairs Job Vacancy Announcements
- Scholarships and Grants
- Indian Affairs FY 2016 Budget Justifications and Performance Information (Green Book)
- Indian Affairs FY 2015 Budget Justifications and Performance Information (Green Book)
- Indian Affairs FY 2014 Budget Justifications and Performance Information (Green Book)
- Indian Affairs FY 2013 Budget Justifications and Performance Information (Green Book)
- Indian Affairs FY 2012 Budget Justifications and Performance Information (Green Book)
- Indian Affairs FY 2011 Budget Justifications and Performance Information (Green Book)
- Assistant Secretaries - Indian Affairs from 1977 to Present
- Publication Dates for the List of Indian Entities Recognized and Eligible To Receive Services From the US BIA

#### REGIONS

Click the map to view our regions and their office contact information and the tribes served by that region

- ▶ National Native American Heritage Month History

#### Document Library Categories

- ▶ Audit/Financial
- ▶ BIA Museum
- ▶ Budget and Performance
- ▶ Calendar of Events

Indian Affairs | OFA

www.indianaffairs.gov/WhoWeAre/AS-IA/OFA/index.htm

WEDNESDAY OCTOBER 7, 2015

US Department Of The Interior  
Indian Affairs

HOME WHO WE ARE WHAT WE DO NEWS CALENDAR DOCUMENT LIBRARY CONSULTATIONS HOW DO WE DO IT FAQs JOBS

HOME • WHO WE ARE • AS-IA • OFA

### OFFICE OF FEDERAL ACKNOWLEDGMENT (OFA)

CHOOSE A CATEGORY  
-- Click To Change Category --

[Please note: this section will be updated shortly after October 1, 2015, reflecting choices made by the petitioners pursuant to the 2015 regulations 25 CFR 83.7(b)]

#### RECENT ACKNOWLEDGMENT DECISIONS:

Letter to Petitioner #323 on Final Decision for the Pamunkey Indian Tribe (pdf), July 2, 2015  
Final Decision, Petitioner #323, Pamunkey Indian Tribe (pdf), July 2, 2015

Letter to Petitioner #25 on Final Decision for the Duwamish Indian Organization (pdf), July 24, 2015  
Final Decision Petitioner #25, Duwamish Tribal Organization (pdf), July 24, 2015

Letter to Petitioner #25 on Final Decision for the Duwamish Indian Organization (pdf), July 2, 2015  
Final Decision Petitioner #25, Duwamish Tribal Organization (pdf), July 2, 2015

#### OVERVIEW DOCUMENTS:

- Brief Overview of OFA
- Number of Petitioners by State (as of November 12, 2013)
- Number of Letters of Intent Received (as of November 12, 2013)
- List of Petitioners by State (as of November 12, 2013)
- Status Summary of Acknowledgment Cases (as of November 12, 2013)
- Indian Entities Recognized and Eligible to Receive Services from the United State Bureau of Indian Affairs

#### REGIONS

Click the map to view our regions and their office contact information and the tribes served by that region

Mailing Address:  
Office of Federal Acknowledgment  
MS-348-SIB  
1951 Constitution Avenue, NW  
Washington, D.C. 20240

Telephone: (202) 513-7650  
Telex: (202) 215-3008 Hours of operation:  
Monday through Friday, 8:00 a.m. to 5:00 p.m.,  
Eastern Time; holidays excluded.

- ▶ Supplemental Administrative and Regulatory Documents
- ▶ Guidelines, Precedent



## Bureau of Land Management

"The BLM's multiple-use mission, set forth in the Federal Land Policy and Management Act of 1976, mandates that [it] manage public land resources for a variety of uses, such as energy development, livestock grazing, recreation, and timber harvesting, while protecting a wide array of natural, cultural, and historical resources, many of which are found in the BLM's 27 million-acre National Landscape Conservation System. The conservation system includes 221 Wilderness Areas totaling 8.7 million acres, as well as 16 National Monuments comprising 4.8 million acres."

For additional info about the BLM, please visit: [www.blm.gov](http://www.blm.gov).

The screenshot shows a web browser window displaying the Bureau of Land Management website. The page title is "BUREAU OF LAND MANAGEMENT" and the URL is "www.blm.gov/wo/st/en/res/Direct\_Links\_to\_Publications\_2.html". The page features a navigation menu on the left with options like "National", "What We Do", "Visit Us", "Information Center", "Get Involved", "Our Offices/Centers", and "Contact Us". The main content area is titled "General Publications of Interest" and lists several publications:

- **BLM General Brochure** -- This brochure provides a general overview of the public lands the BLM manages, their location and character, the three broad categories of uses and activities that take place on them, and why they are important to all Americans.
  - **Hi Resolution** (17.3 Mb PDF)
  - **Low Resolution** (1.7 Mb PDF)
  - **Text Version**
- **The BLM: A Sound Investment for America** -- The BLM's management of public lands contributed more than \$130 billion to the national economy in FY 2011. About \$126 billion of that impact resulted from mineral development. Timber and grazing activity generated about \$2 billion worth of economic activity.
- **Public Rewards From Public Lands** -- This publication contains information, State-by-State, about what the BLM-managed public lands are worth—in economic, social, and environmental terms. The BLM historically brings more money each year into the general U.S. Treasury than it costs to operate. Only the IRS, Minerals Management Service, and U.S. Customs Service send more money to the general Treasury than the BLM. *Public Rewards* tells that story.
  - **2005** ( 13 Mb PDF , Text )
  - **2003** ( 11Mb ZIP )
  - **2000** ( 9 Mb PDF )
  - **1999** ( 6 Mb PDF )
- **BLM's Annual Reports and Public Land Statistics** -- The one location for most of the acreage figures for BLM public land management. The printed document is updated annually and includes land acres, revenue, horse numbers, fire acres, recreation use, and other valuable information. We now also have a real-time automated version!
- **Resourceful Management of Our Natural Resources** (1.6 Mb PDF) -- This four-page publication provides a very quick overview on the scope and complexity of the BLM's responsibilities, and charts the agency's key land management priorities based on the proposed fiscal year 2002 budget.
- **Energy Facts: Onshore Federal Lands** -- The BLM plays a critical role in facilitating the development of energy resources such as oil and gas, coal, geothermal, hydropower, solar, wind, and biomass in its implementation of the President's National Energy Policy. BLM is also the leasing agent for all energy minerals on all Federal lands, and as trustee, manages mineral development on over 36 million acres of Indian lands.
- **Federal Advisory Committee Act** ( PDF , Text ) -- A summary brochure of what BLM staff need to know when working with ADR-based collaborative community working groups.
- **Federal Advisory Committee Act: National Policy** ( PDF , Text ) -- This guidebook provides key considerations and best practices, examples of when FACA might or might not apply, and answers to frequently asked questions. With this information, field offices designing and setting up ADR-based collaborative community working groups will be able to decide which type of group will best serve the needs of the community and the agency.
- **The Bureau of Land Management's National Landscape Conservation System** -- Established in 2000 to help protect some of the nation's most remarkable and prized landscapes, the National Landscape Conservation System...

Regulations, Court Decisio... x +

www.blm.gov/wo/st/en/info/regulations.html

U.S. DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

BLM > Laws, Regulations, Policies

Search

National

- What We Do
- Visit Us
- Information Center
- Get Involved
- Our Offices/Centers
- Contact Us

Laws, Regulations, Policies, Court Decisions

Print Page

**Laws**

- List of legislation that applies to BLM-managed lands
- Text of selected legislation
  - Omnibus Public Land Management Act (Public Law 111-11)
  - Federal Land Policy and Management Act of 1976 (FLPMA)
  - Endangered Species Act (16 U.S.C. 1531 et seq.)
  - General Mining Laws (overview only, actual legislation in the future)
  - Mineral Leasing Act and Amendments (30 U.S.C. 181 et seq.)
  - The Federal Land Transfer Facilitation Act (P.L. 106-248)
  - The Wild Free-Roaming Horses and Burros Act of 1971, as amended through 1/2006
  - Taylor Grazing Act (43 U.S.C. 315 et seq.)
  - National Environmental Policy Act (NEPA) (42 U.S.C. 4321 et seq.)
  - Cultural/Historic Protection and Preservation Acts
  - Fee System for Commercial Filming Activities on Federal land
  - Statehood Acts
  - Alaska Specific Laws
  - Note the following links will take you to the Cornell School of Law:
    - Oregon and California Railroad and Coos Bay Wagon Road Grant Land Laws (43 U.S.C. 1181a-1181j)

**Regulations**

- Information on regulations that apply to BLM-managed lands
  - To comment on proposed BLM regulations that are open for comment, click here
  - RSS Feed (courtesy of openregulations.org) provides a summary of regulations
- Listing of Federal Register Notices

**BLA Decisions and Orders**

- Administrative court decisions concerning BLM-managed lands and actions: Interior Board of Land Appeals
- Search the Departmental library for Secretarial Orders and other Department wide documents
- See a list of Public Land Orders (P.L.O.). To see a specific P.L.O from 1995 to present, obtain the Federal Register citation and search here.

**Policies**

- The manuals and handbooks that describe how BLM operates
- Instruction Memoranda and Information Bulletins.

https://www.glorecords.blm.gov/default.aspx

U.S. DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

NATIONAL SYSTEM OF PUBLIC LANDS

Home Search Documents Reference Center Support

The Official Federal Land Records Site

Welcome to the Bureau of Land Management (BLM), General Land Office (GLO) Records Automation web site. We provide live access to Federal land conveyance records for the Public Land States, including image access to more than five million Federal land title records issued between 1820 and the present. We also have images related to survey plats and field notes, dating back to 1810. Due to organization of documents in the GLO collection, this site **does not** currently contain every Federal title record issued for the Public Land States.

**Land Patents**

**Federal Land Patents** offer researchers a source of information on the initial transfer of land titles from the Federal government to individuals. In addition to verifying title transfer, this information will allow the researcher to associate an individual (Patentee, Assignee, Warrantee, Widow, or Heir) with a specific location (Legal Land Description) and time (Issue Date). We have a variety of Land Patents on our site, including Cash Entry, Homestead and Military Warrant patents.

**Survey Plats and Field Notes**

**Survey plats** are part of the official record of a cadastral survey. Surveying is the art and science of measuring the land to locate the limits of an owner's interest thereon. A cadastral survey is a survey which creates, marks, defines, retraces or re-establishes the boundaries and subdivisions of Federal Lands of the United States. The survey plat is the graphic drawing of the boundaries involved with a particular survey project, and contains the official acreage to be used in the legal description.

**Field notes** are the narrative record of the cadastral survey. They are written in tabular format and contain the detailed descriptions of entire

UNITED STATES GENERAL LAND OFFICE



GeoCommunicator Home

www.geocommunicator.gov/GeoComm/index.htm

Firefox prevented this site from opening a pop-up window.

# GeoCommunicator

www.geocommunicator.gov

Department of the Interior - Bureau of Land Management (BLM)

**GeoCommunicator Home**

**GeoCommunicator**  
 About  
 What's New  
 Interactive Maps  
 Land Survey Info.  
 Township GeoCoder  
 Map & Data Services  
 Metadata  
 References  
 Contact Us

**System Requirements**  
 IE 6 or higher  
 Enable popups  
 Enable Scripting

**GeoCommunicator** is the publication site for data from the Bureau of Land Management.

**2/24/11 - PUBLIC NOTICE:**  
 Please read the [Site Alteration Notice](#) concerning changes to GeoCommunicator and data availability.

[Downloadable Data](#) | [Interactive Maps](#) | [Map Services](#)

Use the quick links above or click on the [Interactive Maps](#) link on the left to get a list of the map viewers. See the [About](#) page for information on the data available through GeoCommunicator.

GeoCommunicator provides searching, accessing and dynamic mapping of the following **BLM activities**:

- Oil and Gas lease sale parcels
- BLM Administrative Areas
- Federal Lands
- Federal National Monuments, Conservation Areas, and Wilderness Areas
- BLM Range Allotments and Pastures
- BLM Wild Horse and Burro Herd Areas and Herd Management Areas
- BLM Solar Energy Study Areas
- Public Land Survey System - PLSS (township, range, section, lots, surveys) - Downloadable

**Other Products:**

- Reference maps - topo, imagery, roads
- Links to Online Master Title Plats
- Run LR2000 Geographic Reports
- Search by place name, lat/long, UTM, Township
- GeoCommunicator Tools and [Web Services](#) (web services can be used by developers in their own applications):
  - [GeoCoder](#) to convert latitude/longitude to T/R/S and vice-versa
  - [Find LD](#): Find the geometry of a textual land description
  - [Derive LD](#): Derive a land description from a sketch on a map
  - [Survey Exporter](#): to export the PLSS points, lines, and coordinates

USA Gov | No Fear Act | DOI | Disclaimer | Data Disclaimer | Notices | Get Adobe Reader | Home  
 Privacy Policy | FOIA | Kids Policy | Contact Us | Accessibility | Site Map | BLM Home

Scientific Research

www.blm.gov/wo/st/en/prog/more/CRM/Research.html

U.S. DEPARTMENT OF THE INTERIOR  
**BUREAU OF LAND MANAGEMENT**

**Heritage Resources**

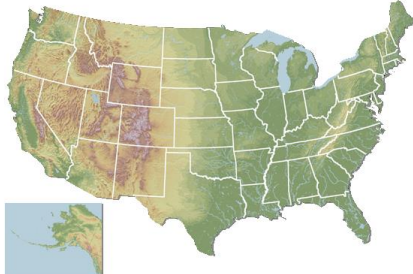
BLM > Heritage Home > Scientific Research

Print Page

**Scientific Research**

Our public lands offer the perfect outdoor laboratory for scientific research in archaeology, paleontology, and history. Take a look...

For those seeking more scientific and technical information search the map and list below for a state-by-state collection of research documents.



**National**  
 What We Do  
 Visit Us  
 Information Center  
 Get Involved  
 Our Offices/Centers  
 Contact Us

**Heritage Resources Home**  
 Historic Preservation  
 Tribal Consultation  
 BLM Preservation Board  
 Data Sharing Partnership  
 Heritage Education  
 Scientific Research  
 Paleontology  
 Museum Collections  
 BLM and IRAGPRA  
 Fire and Heritage Resources  
 Publications  
 Links  
 Staff Directory  
 National Fossil Day

- Alaska
- Arizona
- California
- Colorado
- Idaho
- Montana
- Nevada
- New Mexico
- Oregon
- Utah
- Wyoming



## What is BOEM?

- BOEM stands for **B**ureau of **O**cean **E**nergy **M**anagement.
- BOEM's mission is to “promote energy independence, environmental protection and economic development through responsible, science-based management of offshore conventional and renewable energy and marine mineral resources.”
- For further information about BOEM, please visit <http://www.boem.gov>.

The screenshot shows the BOEM website with the following content:

- BOEM** BUREAU OF OCEAN ENERGY MANAGEMENT
- Navigation: Calendar | Contact Us | Employment
- Operating Status: f t in
- Menu: About BOEM | Regions | Newsroom | Oil & Gas Energy Programs | Renewable Energy Programs | Environmental Stewardship | Regulations & Guidance
- About BOEM**
  - ▶ BOEM Leadership
  - ▶ Organization Chart
  - ▶ Public Engagement
  - ▶ Stakeholders
  - ▶ Procurement Business Opportunities
  - ▶ Regulatory Reforms
  - ▶ Reorganization
  - ▶ Employment
  - ▶ Budget
  - ▶ Sitemap
  - ▶ FOIA
- Home | About BOEM
- The Reorganization of the Former MMS**
- On May 19, 2010, Secretary of the Interior Ken Salazar signed a Secretarial Order dividing the Minerals Management Service (MMS) into three independent entities to better carry out its three missions:
  1. ensuring the balanced and responsible development of energy resources on the Outer Continental Shelf (OCS);
  2. ensuring safe and environmentally responsible exploration and production and enforcing applicable rules and regulations; and
  3. ensuring a fair return to the taxpayer from offshore royalty and revenue collection and disbursement activities.
- MMS was renamed Bureau of Ocean Energy Management, Regulation and Enforcement (BOEMRE) to more accurately describe the scope of the organization's oversight. Michael R. Bromwich, was chosen to lead BOEMRE in June 2010 to reform the government's regulation of offshore energy development and the agency responsible for it.
- An implementation plan published by the Department of the Interior in July 2010 called for restructuring the department's offshore energy management responsibilities, detailing a transition that would begin as early as October 1 and be completed in 2011.
- In the place of the former MMS – and to replace BOEMRE – we have created three strong, independent agencies with clearly defined roles and missions. MMS – with its conflicting missions of promoting resource development, enforcing safety regulations, and maximizing revenues from offshore operations and lack of resources – could not keep pace with the challenges of overseeing industry operating in U.S. waters.
- The reorganization of the former MMS is designed to remove those conflicts by clarifying and separating missions across three agencies and providing each of the new agencies with clear missions and additional resources necessary to fulfill those missions. As we implement these organizational changes, all Bureaus are taking into account the crucial need for information-sharing and the other connections among the functions of the former MMS. This is essential to ensure that the regulatory processes related to offshore leasing, plan approval, and permitting are not adversely affected.
- Implementation**
- On October 1, 2010, the Bureau completed the transfer of the revenue collection function. The Office of Natural Resources Revenue now resides under the jurisdiction of DOI's Office of Policy, Management and Budget. The final stage of the reorganization of BOEMRE will become effective October 1, 2011 when it splits into two independent entities: the Bureau of Ocean Energy Management (BOEM) and the Bureau of Safety and Environmental Enforcement (BSEE).
- On October 1, 2011, the new Bureau of Ocean Energy Management (BOEM) was created. BOEM is responsible for managing development of the nation's offshore resources in an environmentally and economically responsible way.

Ocean Science | BOEM

www.boem.gov/Ocean-Science/

Calendar | Contact Us | Employment

Operating Status

About BOEM | Regions | Newsroom | Oil & Gas Energy Programs | Renewable Energy Programs | Environmental Stewardship | Regulations & Guidance

Home | Newsroom

### Newsroom

- Press Releases
- Media Advisories
- Notes to Stakeholders
- Science Notes
- Leadership Presentations
- Videos
- Congressional Testimony
- Statistics and Facts
- Fact Sheets
- Frequently Asked Questions
- Library
- Technical Announcements

## Ocean Science

Ocean Science is the science and technology journal of the Bureau of Ocean Energy Management (BOEM). The bureau funds on average \$30 million per year for scientific studies in the Gulf of Mexico, the Atlantic, the Pacific, and the Arctic. Data gained from these studies inform policy decisions regarding offshore oil, natural gas and renewable energy development. The information is also used by other federal and state agencies in decision-making and by members of academia and experts in the private sector. BOEM is one of the leading contributors to the body of scientific knowledge about the nation's marine and coastal environments.



Public Outreach Through the *BOEM Ocean Science Journal*: BOEM Biologists Meet with High School Student Exploring a Career in Marine Biology

July/August/September 2015

- Science Collaboration and Study Involvement on the Outer Continental Shelf
- Putting Scientists in the Water: Scientific Diving and BOEM's Environmental Studies Program
- Partnerships at Work in the Pacific Region
- Atlantic Region: Embracing Technology, Preserving History
- Alaska Region Partnerships: Old and New
- BOEM's Gulf of Mexico Region Evaluates Effects of the Deepwater Horizon Oil Spill

January/February/March 2015

- A Message from Admiral Papp
- Arctic Research Commission: Looking Back, Looking Forward
- History of the Arctic Council
- U.S. Policy and the Arctic Council, a Nexus
- BOEM and BSEE: Involvement in the Arctic Council
- U.S. Activities Completed in 2015 and Current Work
- Other U.S. Government Agency Arctic Council Activities
- U.S. Chairmanship Themes and Other Activities

ESPIS | Environmental Stud...

mainecadastre.gov/espis/#/

Search: "tavern on the green"


Contact Us | Learn More

## Explore more than 40 years of Environmental Studies Program Ocean Science

FIND  NEAR

SEARCH

Search using a map and other filters



Query for ESPIS

www.data.boem.gov/homepage/data\_center/other/espis/espismaster.asp?appid=1

BOEM  
BUREAU OF OCEAN ENERGY MANAGEMENT

Sitemap | Contact Us | Employment

Go Full Width

BOEM.GOV Online Queries Scanned Documents PDF Reports ASCII Downloads Other Resources

### Query for ESPIS

*Alert: Documents are in Adobe PDF format. Some files may contain attachments and/or comments and are best viewed with Adobe Reader Version 7.0 or higher which can be downloaded from Adobe Reader.*

We strive to make all public data available as soon as it is releasable. If you do not find the data you are looking for, please check again the next business day since certain circumstances may delay the posting of data. We apologize for the inconvenience.

Data last updated on 8/26/2015 (CST) and will be updated when new ESPIS documents become available.

Select Options Using the Checkboxes

Click the Links for Help on Each Selection

Technical Summary: Technical Summaries Only

Publication Number:

Contract Number:

Contractor:

Category:   
Baseline  
Biology

Report Title:

Study Title:

Year: From: 2015 To: 2015

Author:

Region:   
Atlantic  
Gulf of Mexico

Date Uploaded: (MMDDYYYY) From: 10/6/2015 To: 10/6/2015

Updated Date: (MMDDYYYY) From: 10/6/2015 To: 10/6/2015

Sort Results by:

Order:  Results Per Page:

[Return to the Environmental Studies Program Information System](#)

Environmental Studies Program

www.boem.gov/Studies/

BOEM  
BUREAU OF OCEAN ENERGY MANAGEMENT

Calendar | Contact Us | Employment

Operating Status

About BOEM Regions Newsroom Oil & Gas Energy Programs Renewable Energy Programs Environmental Stewardship Regulations & Guidance

Home | Environmental Stewardship

## Environmental Studies Program

Applied Science for Informed Decision Making

The Division of Environmental Sciences manages the Environmental Studies Program (ESP) for the Bureau of Ocean Energy Management (BOEM).


ESP develops, conducts and oversees world-class scientific research specifically to inform policy decisions regarding development of Outer Continental Shelf (OCS) energy and mineral resources. Research covers physical oceanography, atmospheric sciences, biology, protected species, social sciences and economics, submerged cultural resources and environmental fates and effects. BOEM is a leading contributor to the growing body of scientific knowledge about the nation's marine and coastal environment.

- ESP History
- Ongoing Environmental Studies
  - Discipline
  - Region
- Reports & Data Information
- Environmental Studies Planning
- Funding Opportunities – Working with us
- Advisory Committees
- Science Quality & Integrity
- Oil Spill Modeling Program
- Partnerships
- Featured Subjects
- Environmental Studies Program Fact Sheet
- Environmental Studies since *Deepwater Horizon*
- Environmental Studies Program Report Specifications
- Environmental Studies Program Teacher Resources
- Science Notes

### Quarterly Report of Completions

Reports for 3rd Qtr FY2015

[Previous ESPIS Quarterly Reports](#)



MarineCadastré.gov

Maps Data Uses Tools News About


# An Ocean of Information

A joint BOEM and NOAA initiative providing authoritative data to meet the needs of the offshore energy and marine planning communities.


Maps Data Uses

Contact and Follow

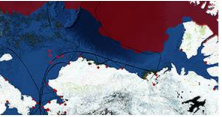
## Features



Aids to Navigation



Environmental Studies Program Information System



Arctic Environmental Response Management Application

Gulf of Mexico OCS Region

www.boem.gov/Gulf-of-Mexico-OCS-Region-Publications/

BOEM BUREAU OF OCEAN ENERGY MANAGEMENT

Calendar | Contact Us | Employment

Operating Status

About BOEM Regions Newsroom Oil & Gas Energy Programs Renewable Energy Programs Environmental Stewardship Regulations & Guidance

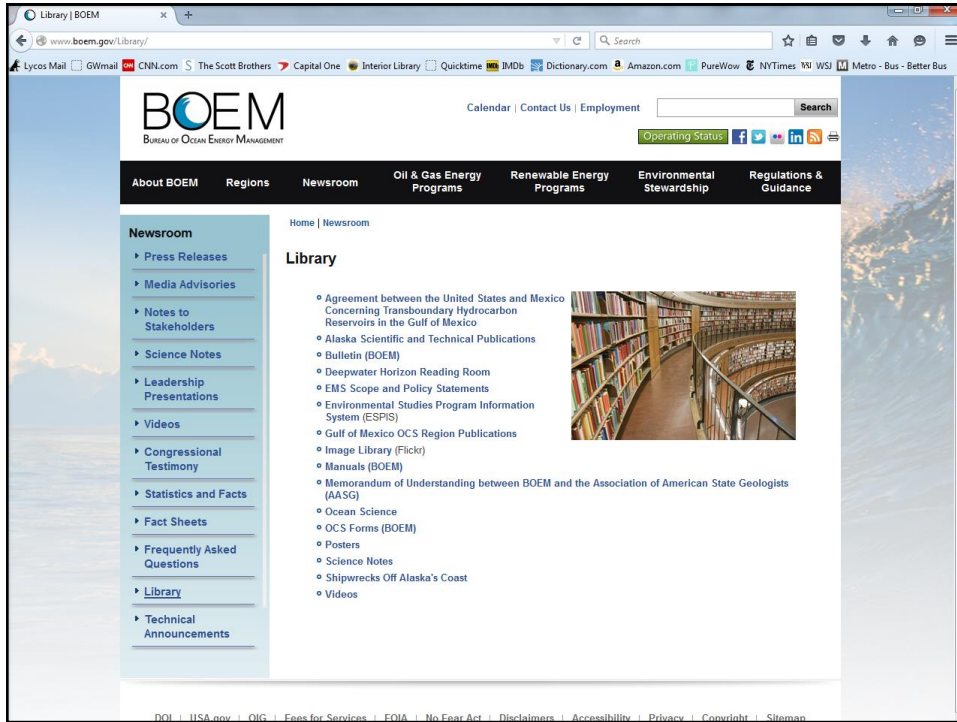
## Newsroom


### Gulf of Mexico OCS Region Publications

Accident Investigation Reports	Flower Garden Banks	Oil and Gas Fields
Air Quality	Geographic Information System	Oil Spills
Alabama	Geological & Geophysical Exploration	Paleontology
Archaeology	Geology	Physical Oceanography
Assessments	Gulf of Mexico	Pinnacle Trend
Atlantic Region	Habitats	Pipelines
Atlases	History, Oil & Gas Industry	Platforms
Barrier Islands	Hydrates	Pollution
Beaches	Hydrocarbons	Proceedings
Benthic Biology	Hypoxia	Produced Waters
Bibliographies	Impacts	Production
Birds-Migratory	Lease Sales	Recreation
Central Gulf of Mexico	LNG Facilities	Reserves
Chemical Products	Louisiana	Reserves, Reservoirs, & Resources
Chemosynthetic Communities	Maps and Charts - Offshore	Rigs-to-Reefs
Coral	Mariculture	Safety
Current	Marine Biology	Sand Mining
Deepwater Communities	Marine Debris	Sea Birds
Deepwater Gulf of Mexico	Marine Mammals	Seagrasses
Discoveries	Meteorology	Sea Turtles
Ecology	Mississippi	Sediments
Environmental Assessments	Mississippi River	Socioeconomics
Environmental Impact Statements	Modeling	Statistics
Environmental Risks	Natural Gas	Synopses
Fish and Fishing	Nautical History	Tar
Floating, Production, Storage and Offloading Facility (FPSO)	North Carolina	Texas
Florida	Northeastern Gulf of Mexico	Toxicity and Wastes
	Oil and Gas Activities	Transportation
		Wetlands

### ACCIDENT INVESTIGATION REPORTS

Fate and Effects of a Spill of Synthetic-Based Drilling Fluid at Mississippi Canyon Block 778. OCS Report MMS 2004-039. Greg Boland, Carole Current, Mike Gravois, Margaret Metcal, Elizabeth Peuler. (2004) 18 p.	PDF	Technical Announcement
Investigation of Blowout, High Island Block A-368, OCS-G 2433, May 9, 2001, Gulf of Mexico off the Texas Coast. OCS Report MMS 2002-080. Ronald Lee Fowler, Stephen Martinez, James Hall, and Freddie Mosley. (2002) 15 p.	PDF	





## What is BSEE?

**BSEE** stands for **B**ureau of **S**afety and **E**nvironmental **E**nforcement.

**History**

“The Bureau of Safety and Environmental Enforcement (BSEE) was formally established on October 1, 2011 as part of a major reorganization of the Department of the Interior's offshore regulatory structure.

BSEE uses the full range of authorities, policies and tools to compel safety, emergency preparedness, environmental responsibility and appropriate development and conservation of offshore oil and natural gas resources.”

**For more information, please visit**  
<http://www.bsee.gov/>

**“Key functions include:**

- an offshore regulatory program that develops standards and regulations and emphasizes a culture of safety in all offshore activities;
- oil spill response preparation including review of industry Oil Spill Response Plans to ensure compliance with regulatory requirements;
- environmental enforcement with a focus on compliance by operators with all applicable environmental regulations, as well as ensuring that operators adhere to the stipulations of their approved leases, plans and permits.”



## Bureau of Reclamation

“The mission of the Bureau of Reclamation is to manage, develop, and protect water and related resources in an environmentally and economically sound manner in the interest of the American public.”

Established in 1902, the Bureau of Reclamation is best known for the dams, powerplants, and canals it constructed in the 17 western states.

Presently, the bureau is “the largest wholesaler of water in the country. [They] bring water to more than 31 million people.”

“Reclamation is also the second largest producer of hydroelectric power in the United States. [Its] 53 powerplants annually provide more than 40 billion kilowatt hours generating nearly a billion dollars in power revenues and produce enough electricity to serve 3.5 million homes.”

Further information about the Bureau of Reclamation can be found at <http://www.usbr.gov/>.

The screenshot shows a web browser displaying the Bureau of Reclamation website. The page title is "RECLAMATION Managing Water in the West". The navigation menu includes "Water & Power", "Resources & Research", "About Us", "Recreation & Public Use", and "News & Multimedia". The main content area is titled "Reclamation Manual" and contains the following sections:

- Reclamation / Reclamation Manual**
- RECLAMATION MANUAL**
- Reclamation Manual
- Delegations of Authority
- Policies
- Directives and Standards
- Temporary Releases
- Supplements to DOI and Government-wide Regulations
- Release Numbers
- Quarterly Reclamation Manual Reports

**Reclamation Manual**

**What is the Reclamation Manual?**

The Reclamation Manual consists of a series of Policy and Directives and Standards. Collectively, these releases assign program responsibility and establish and document Bureau of Reclamation-wide methods of doing business. All requirements in the Reclamation Manual are mandatory. For more information on the Reclamation Manual, see [RCD P03](#) and [RCD 03-01](#).

**Search Reclamation Manual:**

Enter Search Term(s):

**Water Pricing and Transfer Policies Webinar Information**

Reclamation hosted a webinar on August 9, 2013, regarding the key elements of the new releases and associated changes made in response to public input during the public review and comment process. In response to requests from attendees, the PowerPoint presentation used in the webinar can be viewed by following this [link](#).

**Draft Delegations, Policy, and Directives and Standards**

To access a specific *DRAFT* Reclamation Manual release, use the links below. Each *DRAFT* release will provide an e-mail address for stakeholders to submit comments. Reclamation will review and consider the comments received during the revision



# National Park Service

## What NPS Does

“Since 1916, the American people have entrusted the National Park Service with the care of their national parks. With the help of volunteers and park partners, [it] safeguard[s] these more than 400 places and share their stories with more than 275 million visitors every year.”

In addition to the care of the national parks, the NPS’s mission is “[to] preserve unimpaired the natural and cultural resources and values of the National Park System for the enjoyment, education, and inspiration of this and future generations. The Park Service cooperates with partners to extend the benefits of natural and cultural resource conservation and outdoor recreation throughout this country and the world.”

**For further information about the NPS, please visit <http://www.nps.gov>.**

**National Park Service**

Find a Park | Discover History | Explore Nature | Get Involved | Working With Communities | Teachers | Kids | About Us

**Planning, Environment & Public Comment (PEPC)**

PEPC Home | Documents by Park | Policy/Links | Park Planning | Search Documents

**Welcome to PEPC**

Welcome to the National Park Service's Planning, Environment and Public Comment (PEPC) site!

The National Park Service prepares a variety of planning and environmental documents to help guide management of park. This site provides for public involvement in the NPS planning process.

- Documents by Park** - Go directly to a specific park's list of active projects
- Policy/Links** - Link to NPS policy, pertinent Director's orders, terminology, and more
- Park Planning** - Find NPS Planning Program information, Plans and Tools
- Search Documents** - Search by keyword, park, state, document status, document type, project type or NEPA type

**Projects Open for Comment**

Map showing project locations across the United States.

**Projects with Documents Open for Comment**

Park - click headers to sort	Project Title - click headers to sort	Review Ending
Fire Island National Seashore	Fire Island National Seashore Breach Management Plan/EIS	Oct 08, 2015
Delaware Water Gap National Recreation Area and Middle Delaware National Scenic River	Visitor Use Management Plan for DEWA and MDSR	Oct 09, 2015
Timpanogos Cave National Monument	Install New Electrical Line	Oct 09, 2015
Big Thicket National Preserve	BP America Ticonderoga Directional Drilling Project	Oct 11, 2015



[Gmail Integration](#) | [More NPS URL](#) | [STATS - National](#) | [STATS - Welcome](#) | [NPSpecies - Welc](#) | [NPS Natural Reso](#) | [Featured Content](#) | [NPSpecies - Welc](#) | [Featured Content](#) | [FDLP Cont](#)

<https://irma.nps.gov/Stats/Reports/National>

## NPS Stats

National Park Service Visitor Use Statistics  
Stat-2.3.0.3646\_20150325.13:01:02

Home | Reports

National Park Service  
U.S. Department of the Interior  
Natural Resource Stewardship and Science

Help | Contact Us | Useful Links

### National Reports

**National Reports**

**Annual Park Ranking Report (1979 - Last Calendar Year)**  
Report ranks various types of visitor use including Recreation, Non-recreation, Hours, Concessioner Lodging and Camping, Tent, RV, Backcountry, and M... more

**Annual Recreation Visitation By Park (1979 - Last Calendar Year)**  
Report displays annual recreation visitation for all reporting national park service units over any one through twenty years in tabular form with the ... more

**Annual Recreation Visitation Report by Park Type or Region (1979 - Last Calendar Year)**  
Report providing annual recreation visitation searchable by year and grouped by park type or region.

**Annual Summary Report (1904 - Last Calendar Year)**  
Report allows users to select one or multiple years and various types of visitor use including Recreation, Non-recreation, Hours, Concessioner Lodging... more

**Annual Visitation Summary Report (1979 - Last Calendar Year)**  
Report displays Summary NPS system-wide visitation statistics for one year. This report includes recreation, non-recreation, overnight stays and visit... more

**Current Year Monthly and Annual Summary Report (1979 - Present)**  
Report displays visitation statistics by the current month/year, compared to that of the previous month/year and the numerical difference. User may ... more

**Fiscal Year Visitation Report (1979 - Last Calendar Year)**  
Report summarizes the recreation and non-recreation visitation statistics by fiscal year for one year. This report is available after the last calend... more

**Park Acreage Reports (1997 - Last Calendar/Fiscal Year)**  
Report(s) outline the acreage by park and or a summary report. This data is managed by the NPS Lands Division and made available on this website by th... more

**Recreation Visitation By State and By Park (1979 - Last Calendar Year)**  
Report displays recreation visitation, visitor days (a visitor day is 12 visitor hours) and percent change from the previous year. Report is grouped ... more

**Statistical Abstract (1904 - Last Calendar Year) and Recreation Visitation Forecasting Report (1997 - Last Calendar Year)**  
Statistical Abstracts and Forecasting Publications. These reports are also published annually as well as being on the web for downloading. The Stat... more

Park Reports

US Department of the Interior | FOIA | Privacy Policy | Disclaimer and Ownership | NPS Home | USA.gov | Accessibility | EXPERIENCE YOUR AMERICA™

National Park Service: Discover ...

www.nps.gov/history/publications.htm

[Lycos Mail](#) | [Gmail](#) | [CNN.com](#) | [The Scott Brothers](#) | [Capital One](#) | [Interior Library](#) | [Quicktime](#) | [IMDb](#) | [Dictionary.com](#) | [Amazon.com](#) | [PureWow](#) | [NYTimes](#) | [WSJ](#) | [Metro - Bus - Better Bus](#)

## National Park Service

[Find a Park](#) | [Discover History](#) | [Explore Nature](#) | [Get Involved](#) | [Working with Communities](#) | [Teachers](#) | [Kids](#) | [About Us](#)

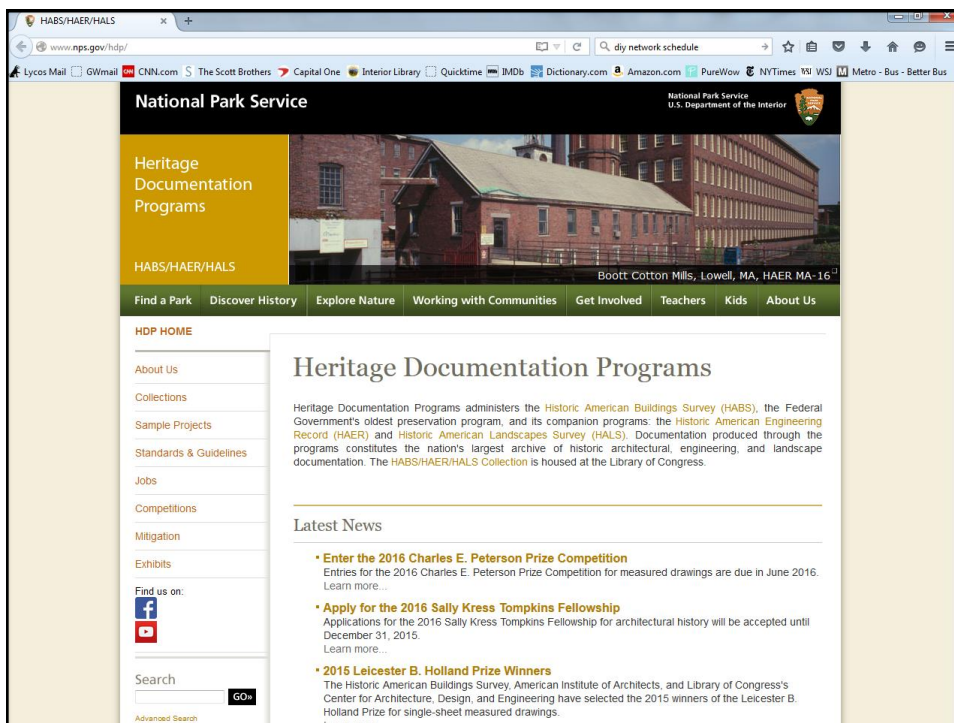
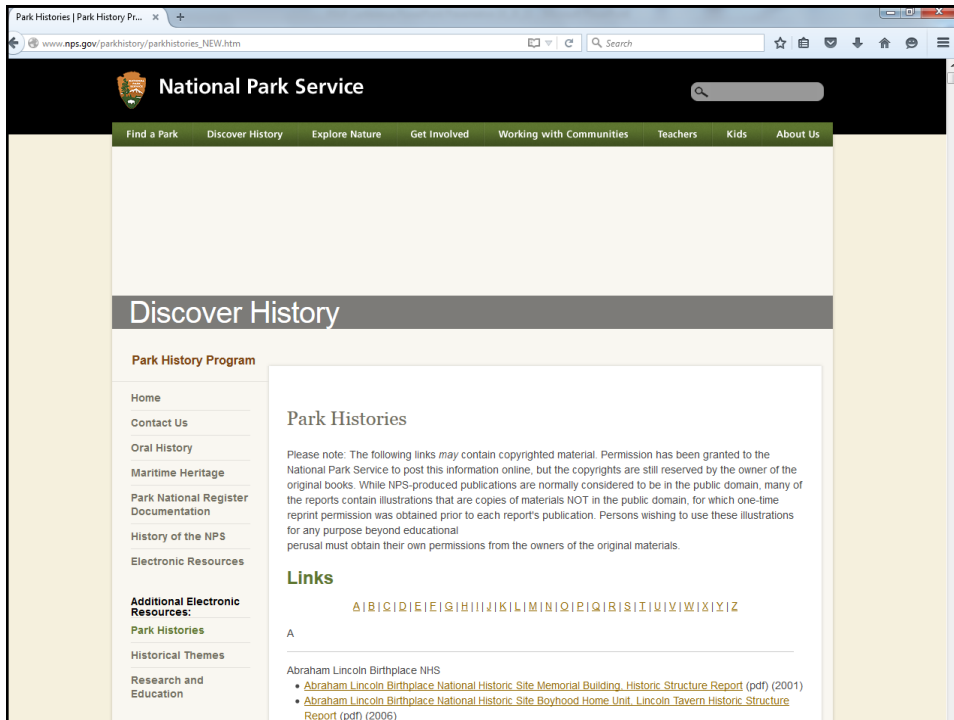
### Publications

#### More Cultural Resources

- [Home »](#)
- [Stories »](#)
- [People »](#)
- [Places »](#)
- [Collections »](#)
- [Preservation »](#)
- [For Travelers »](#)
- [For Teachers »](#)
- [For Kids »](#)
- [Publications »](#)
- [About Our Programs »](#)

**Connect with Us**

Periodicals	By Topic	
 <b>Common Ground</b> Quarterly Common Ground: Preserving Our Nation's Heritage » Common Ground: Archeology and Ethnography in the Public Interest (1994-2001) »	 <b>Archeology</b> Technical Briefs » Studies in Archeology & Ethnography » Professional Tools » Midwest Archeological Center » Southeast Archeological »	 <b>Museum Management</b> Museum Curatorship in the National Park Service (1984-1992) » Conserve O Grams » Museum Handbook » Curatorial Safety Messages » Disaster Planning » Bibliography » Managing Archeological »
	 <b>National Park Service History</b> Park Histories » Historical Handbooks » <b>Preservation Planning</b> Nationwide Programmatic Agreement for Section 106 of the National Historic Preservation Act Toolkit »	



National Park Service - Mu... x

www.nps.gov/museum/

Lykos Mail GWmail CNN.com The Scott Brothers Capital One Interior Library Quicktime IMDb Dictionary.com Amazon.com PureView NYTimes WSJ Metro - Bus - Better Bus

## Museum Management Program

National Park Service  
U.S. Department of the Interior

EXHIBITS | PUBLICATIONS | FOR TEACHERS | COLLECTIONS

### Gettysburg Collections Now Online!



[View All Virtual Museum Exhibits](#)

#### NATIONAL PARK SERVICE PUBLICATIONS

- Conserve O Grams**  
Short, focused leaflets about caring for museum objects, published in loose-leaf format.
- Museum Handbook**  
Part I, Museum Collections  
Part II, Museum Records  
Part III, Museum Collection Use
- Other Publications**  
PMNP Strategic Goals & Objectives  
Cold Storage Training Program [Flash] [HTML]  
Interior Collections Management System  
National Park Service Director's Order 24  
[More >>](#)

#### FOR TEACHERS

- Lesson Plans
- Lesson Plan Template
- Death Valley Lesson Plans

#### COLLECTIONS

- Park Profiles
- Treasures of the Nation
- Web Catalog

[IMAGE REQUESTS >>](#)

#### NEW EXHIBITS

-  Maggie L. Walker
-  Hampton
-  Death Valley
-  Manzanar

### VIRTUAL MUSEUM EXHIBITS

#### AMERICAN CIVIL WAR

- Gettysburg Civil War Collections
- Robert E. Lee: Arlington House
- Symbols of Battle: Civil War Flags
- Vicksburg Siege and U.S.S. Cairo

#### AMERICAN VISIONARIES

- Carl Sandburg
- Clara Barton
- Frederick Douglass
- John Muir



NPS Archeology Program

www.nps.gov/archeology/tools/nadb.htm

Lykos Mail GWmail CNN.com The Scott Brothers Capital One Interior Library Quicktime IMDb Dictionary.com Amazon.com PureView NYTimes WSJ Metro - Bus - Better Bus

## Archeology Program

National Park Service  
U.S. Department of the Interior

QUICK MENU | FEATURES | SITEMAP | HOME

# NADB

NATIONAL ARCHEOLOGICAL DATABASE

The National Archeological Database—a computerized communications network for the archeological and historic preservation community—was established to improve access to information on archeological activities nationwide. This internationally recognized resource is maintained through a cooperative agreement between NPS and the Center for Advanced Spatial Technologies (CAST) at the University of Arkansas.

#### ARCHEOLOGICAL REPORTS

NADB-Reports is an expanded bibliographic inventory of approximately 350,000 reports on archeological planning and investigation, mostly of limited circulation. This "gray literature" represents a large portion of the primary information available on archeological sites in the U.S. NADB-Reports was last updated in August 2004.

NADB-Reports can be queried by state, county, worktype, cultural affiliation, keyword, material, year of publication, title, and author.

The NADB-Reports [Citation form](#) is available here.

#### PERMITS

The Permits module of the National Archeological Database contains records of over 3,200 federal permits, providing key information about archeological and paleontological investigations carried out on federal and Indian lands between 1907-86.

The following pages summarize the wide range of information contained in the NADB-Permits database, which will be available for online searching soon.

#### MAPS

NADB-MAPS (Multiple Attribute Presentation System) is a graphical application, which contains a variety of maps (GIS) showing national distributions of cultural and environmental resources across the U.S. by state and county.

For each entry, you may view and download a map, as well as metadata information.

DOI Discover History Search Contact FOIA Privacy Disclaimer USA.gov

Last updated: 10/06/2015 16:22:42 MJB/EJL

www.tdar.org

The Digital Archaeological Record  
A SERVICE OF DIGITAL ANTIQUITY


About Using tDAR WHY tDAR?

SIGN UP LOG IN

# What can you dig up?

The Digital Archaeological Record (tDAR) is your online archive for archaeological information.


Find archaeological data... advanced



### Access & Use

Broadening the access to archaeological data through simple search and browse functionality.


LEARN MORE



### Contribute

Contribute documents, data sets, images, and other critical archaeological materials.


LEARN MORE



### Preservation

Dedicated to ensuring long-term preservation of digital archaeological data.

LEARN MORE



### Who Uses tDAR

Researchers like you. Uncover knowledge of the past, and preserve and protect archaeological resources.

LEARN MORE

TDAR PRICING INFORMATION

science.nature.nps.gov/im/index.cfm

yeah yeah yeah

National Park Service  
U.S. Department of the Interior


Find a Park Discover History Explore Nature Working with Communities Get Involved Teachers Kids About Us

## INVENTORY & MONITORING (I&M)


NPS » Explore Nature » I&M

- About the I&M Program
- Inventory
- Monitoring
- Data Management
- IRMA Data System
- NPSscape
- I&M GIS
- Documents & Publications
- I&M Employee Directory (Search Tool)
- National I&M Office Contacts & Mailing Address
- Download! I&M Program Employee Contacts (.pdf)

Search I&M



Click on Map for I&M Networks



### Inventory & Monitoring in Parks

National Park managers across the country are confronted with complex and challenging issues that require a broad-based understanding about the status and trends of park natural resources.

As part of the National Park Service's efforts to improve park management through the greater reliance on scientific knowledge, the Inventory and Monitoring (I&M) Program collects, organizes, analyzes, and synthesizes natural resource data and information, and provides the results in a variety of useful formats. [More >>](#)

#### Quick Links

- [I&M Program brief](#)
- [I&M Program overview](#)
- [Vital signs monitoring](#)
- [IRMA data system](#)
- [I&M reports & publications](#)
- [Natural resource report series](#)
- [I&M YouTube channel](#)

### Featured Information

[Inventory and Monitoring Division Newsletter, Summer 2014](#)

[Video: Lemhi Penstemon Monitoring at Big Hole National Battlefield, Montana](#)

About Natural Resources

science.nature.nps.gov/im/datamgmt/IRMA.cfm

Lycos Mail | GMail | CNN.com | The Scott Brothers | Capital One | Interior Library | Quicktime | IMDb | Dictionary.com | Amazon.com | PureWow | NYTimes | WSI | Metro - Bus - Better Bus

**National Park Service**  
National Park Service  
U.S. Department of the Interior

Find a Park | Discover History | **Explore Nature** | Working with Communities | Get Involved | Teachers | Kids | About Us

**INVENTORY & MONITORING (I&M)** NPS » Explore Nature » I&M » Data Management

[About the I&M Program](#)  
[Inventory](#)  
[Monitoring](#)  
[Data Management](#)  
[Applications & Databases](#)  
[Data Management Plans](#)  
[Meetings & Workshops](#)  
[Using R Statistical and Graphics Tools](#)  
[I&M Intranet Page](#)  
[IRMA Data System](#)  
[NPScape](#)  
[I&M GIS](#)  
[Documents & Publications](#)  
[I&M Employee Directory \(Search Tool\)](#)  
[National I&M Office](#)  
[Contacts & Mailing Address](#)  
[Download I&M Program Employee Contacts \(.pdf\)](#)

**IRMA - Integration of Resource Management Applications**

NPS is transforming the way park resource information is managed and delivered to parks, partners, and the public. IRMA (Integrated Resource Management Applications) is the name given to the project that has guided this transformation, and to the web portal that is its end result. View or download the IRMA project brief (.pdf).

IRMA is a portfolio of tools and applications, and the beginnings of a "one-stop" for data and information on park-related resources.

From IRMA you can search for, view, and download documents, reports, publications, data sets, and park species lists. You can get information on park visitor numbers, park projects, and apply for a park research permit. Park staff can navigate to certain internal systems related to park management.

**IRMA Portal**  
Integrated Resource Management Applications  
National Park Service  
U.S. Department of the Interior  
Natural Resource Stewardship and Science

Home | Search | Add & Manage | Topics | News | About | Help | Contact Us

Welcome to IRMA »

Search the NPS Data Store

Search Text:  Enter search terms here...

Filter by NPS Unit(s):

**Quick Links**

**NPS Data Store**  
The NPS-wide repository for documents, publications, and data sets that are related to NPS natural and cultural resources. Find information using the search box (above) or use Quick Search or Advanced Search.

**Park Visitor Use Statistics**  
Data and comprehensive graphs, reports, and statistics on historic, current, and forecasted visitor use of national parks.

**Featured Content**  
Frequently requested information in IRMA.

**PEPC (Planning, Environment & Public Comments)**  
Information and documents related to all active NPS projects, and tools for submitting comments. PEPC internal site (NPS only).

**More Information**  
Email [Margaret Beer](#) Inventory & Monitoring Data Manager - ph: (970) 267-2168 or send an email to [Email IRMA](#)

https://irma.nps.gov/App/Portal/Home/FeaturedContent

**IRMA Portal**  
Integrated Resource Management Applications  
National Park Service  
U.S. Department of the Interior  
Natural Resource Stewardship and Science

Home | Search | Topics | News | About | Help | Contact Us

Portal » Home » Featured Content

**Featured Content »**

Frequently-requested information

- NPS Park Boundaries** GIS data set of NPS administrative boundaries
- Species Lists** Species lists for over 300 NPS units
- Monitoring Protocols** Search for natural resource monitoring protocols

Natural Resource Inventories

- Vegetation Maps** Vegetation maps and associated products
- Vegetation Inventory Map Viewer** Explore vegetation inventory data for an individual or multiple parks
- Geologic Resource Inventories** Geologic maps and associated products
- Soil Resource Inventories** Soils maps and associated products

Other Featured Information

- NPScape - Landscape Dynamics** Landscape-level data for NPS units
- National-Level NPS Datasets** Frequently requested national-level datasets used by the National Park Service

US Department of the Interior | FOIA | Privacy Policy | Disclaimer and Ownership | NPS Home | USA.gov | Accessibility | EXPERIENCE YOUR AMERICA™

science.nature.nps.gov/im/reports/

yeah yeah yeahs

**National Park Service**  
National Park Service  
U.S. Department of the Interior

Find a Park Discover History **Explore Nature** Working with Communities Get Involved Teachers Kids About Us

**INVENTORY & MONITORING (I&M)** NPS » Explore Nature » I&M » Reports

[About the I&M Program](#)  
[Inventory](#)  
[Monitoring](#)  
[Data Management](#)  
[IRMA Data System](#)  
[NPSscape](#)  
[I&M GIS](#)  
[Documents & Publications](#)  
[Document & Publication Guidance & Templates](#)  
[I&M Employee Directory \(Search Tool\)](#)  
[National I&M Office Contacts & Mailing Address](#)  
[Download I&M Program Employee Contacts \(.pdf\)](#)

**I&M Documents & Publications**

Search for Publications Produced by Any I&M Office (National, Regional, or Network I&M Offices)

Enter search term here

To search for other NPS publications, maps, etc.: visit the [IRMA Data Store](#).

**National-level Inventory & Monitoring Publications**

The tabs below only show documents written by or for the national-level I&M Program. Visit the individual I&M Network and Regional webpages to see I&M products attributed to individual regions, networks, and parks.

<b>Newsletters, Briefs, Fact Sheets, &amp; Brochures</b>	<b>Project, Research, &amp; Study Reports</b>	<b>Protocols &amp; Procedural Documents</b>	<b>Organizational &amp; Planning Documents</b>	<b>External Publications (periodicals, books, etc.)</b>
--	---	---	--	---

For brief, fact sheet, and brochure templates, visit the [I&M Documents & Publications & Templates](#) page.

Click to expand and contract panels. Expand All / Collapse All

- [Inventory & Monitoring Division Newsletter](#) ▲
- [Inventory & Monitoring Program Briefs](#) ▲
- [Natural Resource Inventory Fact Sheets](#) ▲
- [Recent Climate Change Exposure Briefs for All Available Parks](#) ▲



Click on Map for I&M Networks

www.nature.nps.gov/publications/NRPM/index.cfm

Search

**National Park Service**  
National Park Service  
U.S. Department of the Interior

Find a Park Discover History **Explore Nature** Working with Communities Get Involved Teachers Kids About Us

**NATURAL RESOURCE PUBLICATIONS MANAGEMENT (NRPM)** NPS » Explore Nature » Publications » NRPM

[About the NRPM Report Series](#)  
**Lists of Published Reports**  
[NRR Reports](#)  
[NRDS Reports](#)  
[NRTR Reports \(legacy 1996-2014\)](#)  
**Procedures for Submitting New Reports**  
[Report Templates \(for download\)](#)  
[Peer Review Standards](#)  
[Format & Layout Guidance](#)  
[IRMA Guidance for NPS Employees \(.pdf\)](#)  
[Frequently Asked Questions](#)  
[Manuscript Submittal Form & Checklist \(.docx\)](#)  
[Contact NRPM](#)

**Natural Resource Publications Management (NRPM)**

This site provides information about the [Natural Resource Reports \(NRR\)](#), [Natural Resource Data Series \(NRDS\)](#), and the [legacy Natural Resource Technical Reports \(NRTR\)](#) report series.

Click on the links to the left to see lists of reports published in a report series.

See our [procedures](#) page for more information about submitting a new report. New submissions are only accepted from NPS offices. Submissions from external contributors are welcome, but must be submitted by a sponsoring NPS office.

Manuscripts must adhere to a set of minimum standards and are peer-reviewed to ensure that information is scientifically credible, technically accurate, appropriately written for the intended audience, and designed and published in a professional manner.

**About Our Report Series**

<b>Natural Resource Reports (NRR)</b>	<b>Natural Resource Data Series (NRDS)</b>	<b>Natural Resource Technical Reports (NRTR - Legacy 1996-2014)</b>
---------------------------------------	--	---

**Natural Resource Reports (NRR):** used to disseminate comprehensive information and analysis about natural resources and related topics concerning lands managed by the National Park Service. The series supports the advancement of science, informed decision-making, and the achievement of the National Park Service mission. The series also provides a forum for presenting more lengthy results that may not be accepted by publications with page limitations.

Any peer reviewed report concerning natural resources on lands managed on NPS lands may be published in the NRR series. Examples of NRR reports are below:

- Reports that present quantifiable data, data analysis, and any sort of interpretive discussion concerning those results, including:

**Quick Links**

- Lists of published reports (by report series)
  - NRR Reports
  - NRDS Reports
  - NRTR Reports
- Procedures for Submitting New Reports
  - Format & Style Guidance
  - Report Templates (for download)
- Frequently Asked Questions



# U.S. Fish & Wildlife Service

Although a relative newcomer to the Department of the Interior, the Fish and Wildlife Service's programs are among the oldest in the world dedicated to the conservation of natural resources.

The Service traces its origins to the U.S. Commission on Fish and Fisheries in the Department of Commerce and the Division of Economic Ornithology and Mammalogy in the Department of Agriculture.

Both programs were created to help stem the dramatic decline of the nation's fish and wildlife resources during the last quarter of the 19th century. The agency's history has closely mirrored the American public's growing concern with conservation and environmental issues for over 125 years.

Visit <http://www.fws.gov/> for additional information on the U.S. Fish and Wildlife Service.

The screenshot shows the homepage of the National Wildlife Refuge System. At the top, there is a navigation bar with the U.S. Fish & Wildlife Service logo and the title 'National Wildlife Refuge System'. Below this is a search bar and a main navigation menu with links for 'NWRS Home', 'About', 'Land', 'Planning', 'Visitors', 'Wildlife & Habitat Management', 'Policies & Budget', and 'You Can Help'. The main content area is divided into several sections: a 'News' section featuring a large photo of a wetland with the caption 'Restoring 23 acres at Eastern Neck Refuge, MD'; a 'Welcome to the National Wildlife Refuge System' section with introductory text and a 'Send a wild eCard today >>' link; a social media section for 'USFWS National Wildli...' with Facebook and Twitter links; a 'Find Your Refuge' section with a 'By Zip Code' input field and a 'Go' button, accompanied by a map of the United States; and a 'Latest Newsletters' section with a 'Refuge Update' link and a 'View Archives' link.

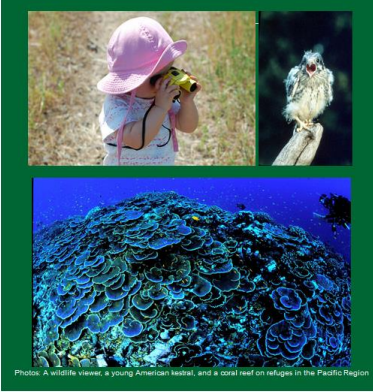
Pacific Region National WIL... x +

www.fws.gov/pacific/planning/

U.S. Fish & Wildlife Service  
**Division of Planning and Visitor Services**  
 Pacific Region

**Planning a Better Future for Wildlife and People on National Wildlife Refuges**

[Welcome](#)  
[Active and Completed Planning Projects](#)  
[Contact Us](#)  
[Refuge Planning Information](#)  
[Refuge Planning Policies](#)



Photos: A wildlife viewer, a young American kestrel, and a coral reef on refuges in the Pacific Region

**Active Planning Projects**

- [Camas NWR CCP](#)
- [Deer Flat NWR CCP](#)
- [Grays Harbor and Black River NWRs CCP](#)
- [Grays Lake NWR CCP](#)
- [Hanalei NWR CCP](#)
- [Hart Mountain National Antelope Refuge CCP](#)
- [Hukia NWR CCP](#)
- [Kilauea Point NWRs CCPs](#)
- [Munidoka NWR CCP](#)
- [Pacific Remote Islands Marine NM MMP](#)
- [Rose Atoll NWR CCP](#)
- [New Project](#)
- [Willamette Valley Conservation Study](#)
- [Transportation Project](#)
- [Long Range Transportation Plan for Region 1](#)

USFWS National Digital Lib... x +

digitalmedia.fws.gov

U.S. Fish and Wildlife Service  
**National Digital Library**  
 Conserving the Nature of America

Home Browse All About Flickr


Search  Search Advanced Search

**USFWS National Digital Library**

**All Collections**

**Images**

The Images collection is a selection of digital still images which are the very best visual representation of the U.S. Fish and Wildlife Service mission - "working with others to conserve, protect and enhance fish, wildlife, and plants and their habitats for the continuing benefit of the American people."



**Videos**

The Videos collection depicts the outstanding work of our FWS videographers who have produced outreach and instructional tools available for public access and depicts the outstanding work of the U.S. Fish and Wildlife Service and its conservation partners. Additional information about National Conservation Training Center (NCTC) ...

[more...](#)

**Documents**

The Documents collection is a selection of reports, brochures, historic texts, oral history transcripts, and other texts. It is a new feature of the National Digital Library and will continue to grow. Other sources for U.S. Fish and Wildlife Service documents include the [NCTC Conservation Library](#), [Catalog of U.S. Government](#) ...

[more...](#)

**About the collections**

The U.S. Fish and Wildlife Service's National Digital Library is a searchable collection of selected images, historical artifacts, audio clips, publications, and video, most of which are in the public domain. Those not in the public domain are intended for personal, private use.

**Browse these suggested topics**

- [National Wildlife Refuge System](#) (4816)
- [Landscape Conservation](#) (129)
- [Migratory Birds](#) (569)
- [Threatened & Endangered Species](#) (1509)
- [Connecting People with Nature](#) (837)
- [Aquatic Species](#) (802)
- [Fish & Wildlife at Work](#) (1116)
- [Fish & Habitat Conservation](#) (13)
- [International Affairs](#) (33)
- [Law Enforcement](#) (346)
- [Wildlife & Sport Fish Restoration](#) (122)
- [History](#) (623)

Audio



ECOS Home

ecos.fws.gov/ecp/

U.S. Fish & Wildlife Service  
**ECOS Environmental Conservation Online System**  
*Conserving the Nature of America*

ECOS / Home

**Public Applications**

- Conservation Plans
- Critical Habitat
- Geospatial Fisheries Information Network (GeoFIN)
- Information for Planning and Conservation (IPaC)
- National Wild Fish Health Survey Database (NWFHSDb)
- Species Reports
- Web Services

---

**Secure Applications**

- Secure Login

---

**Related Sites**

- FWS Endangered Species Program
- Division of Environmental Quality
- National Wildlife Refuge System

**Threatened & Endangered Species**

ECOS serves a variety of reports related to FWS Threatened and Endangered Species. A selection of our most popular reports is listed below. See the [Species Reports](#) for the complete list.

- [Listed Species Summary](#)
- [Reclassified Species](#)
- [All Threatened and Endangered Animals](#)
- [Delisted Species](#)
- [All Threatened and Endangered Plants](#)

OBTAINING AN OFFICIAL SPECIES LIST:  
 Use [IPaC](#) to identify your project location and receive an official species list (pursuant to 50 CFR 402.12) of T&E species that should be considered when evaluating the potential impacts of a project.

ADDITIONAL SEARCH TOOLS:  
 Search for a Listed species by name:


Search for a Listed species by County name:

---

**FWS Critical Habitat**

The Critical Habitat portal is an online service for information regarding Threatened and Endangered Species Critical Habitat designation.

- [Visit the critical habitat portal](#)



Endangered Species | Home

www.fws.gov/endangered/index.html

U.S. Fish & Wildlife Service  
**Endangered Species**  
 Ecological Services

Search Endangered Species Database

ES Home | Species | What We Do | For Landowners | Permits | Grants | News | About Us | FWS Regions | Laws & Policies | Library | For Kids

You Are Here: Endangered Species Home

**Find Endangered Species**

**Species in Your State and U.S. Territories:**

Alabama

**Species Search:**

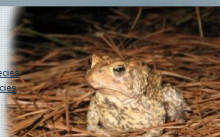
Species common/scientific name

**Species in Your County:**

**QUICK SEARCHES**


- Threatened/endangered "Box Score"
- Threatened/endangered wildlife in the U.S. and Foreign Species
- Threatened/endangered plants in the U.S. and Foreign Species
- Species Proposed for Status Change or Delisting
- What were the first species to be listed?
- What species are proposed for listing?
- What species are candidates for listing?

[More species searches...](#)



The number of threatened and endangered species in the U.S. changes as we add or remove species from the list. See how many are currently listed.

**Get to Know Your Species**

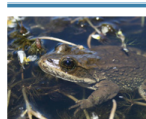


**Interactive Website**

View our new interactive map to learn about endangered species success in your state or territory.

[Launch Map >](#)

**News**

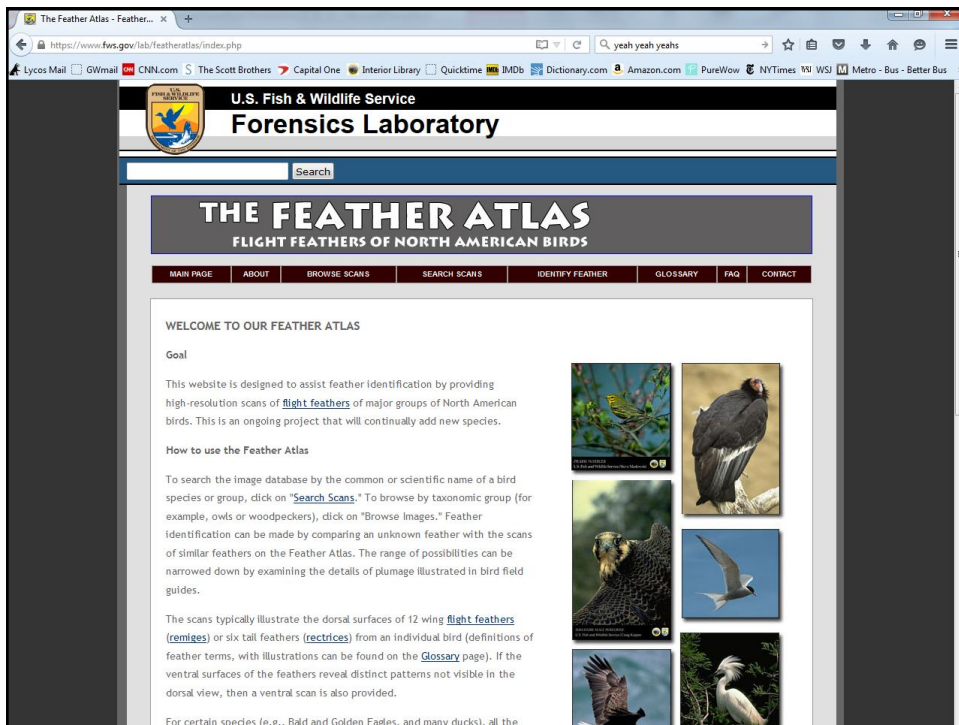


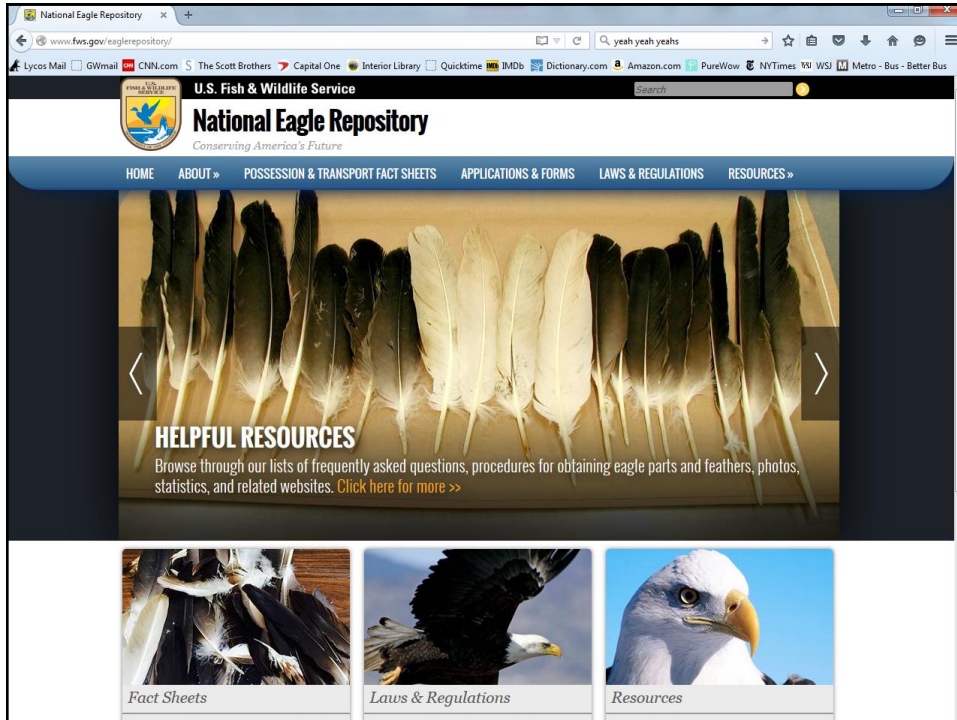
**17 Candidate Species No Longer Warrant Listing Under ESA Due to Successful Efforts of States, Federal Agencies, Landowners and Non-Profits**

As a result of ESA-inspired conservation efforts, 17 formerly at-risk species of plants and animals across North America will not require federal protections. Collaborations among the Service, other federal agencies, states, private landowners and non-profit organizations have fostered habitat protection and restoration efforts, reintroductions, and scientific surveys that have increased existing populations, created new ones, and led to the discovery

[News Release >](#)

[More Info >](#) [More News >](#)





## United States Geological Survey

### **About USGS**

“The USGS is a science organization that provides impartial information on the health of our ecosystems and environment, the natural hazards that threaten us, the natural resources we rely on, the impacts of climate and land-use change, and the core science systems that help us provide timely, relevant, and useable information.”

### **What USGS Does**

“As the Nation’s largest water, earth, and biological science and civilian mapping agency, the U.S. Geological Survey (USGS) collects, monitors, analyzes, and provides scientific understanding about natural resource conditions, issues, and problems. The diversity of our scientific expertise enables us to carry out large-scale, multi-disciplinary investigations and provide impartial scientific information to resource managers, planners, and other customers.”


**For more USGS information, please visit <http://www.usgs.gov>.**

USGS Historical Topograph... x +

ngmdb.usgs.gov/maps/TopoView/

USGS science for a changing world

topoView GET MAPS COMMENTS ABOUT HELP



**Boston**  
Now & Then

Use the slider below to reveal the Boston area in 1883. The historical topographic mapping collection lets users explore how physical and cultural features change over time. The maps are particularly useful to scientists, historians, genealogists and others researching a specific geographic area. A series of maps of the same area published over a period of time can show how an area looked before development and provide a detailed view of changes over time.

**Accessing Historical Topographic Maps Has Never Been Easier**

TopoView highlights one of the USGS's most important and useful products, the topographic map. In 1879, the USGS began to map the Nation's topography. This mapping was done at different levels of detail, in order to support various land use and other purposes. As the years passed, the USGS produced new map versions of each area. The most current maps are available from The National Map. TopoView shows the many and varied older maps of each area, and so is useful for historical purposes—for example, the names of some natural and cultural features have changed over time, and the 'old' names can be found on these historical topographic maps.

This interface was created by the National Geologic Map Database project (NGMDB), in support of topographic mapping program managed by the National Geospatial Program (NGP). Geologic mapping and topographic mapping at the USGS have a long tradition together (see [1888 report](#)). The NGMDB project is proud to assist the NGP in bringing these maps to the Web.

In cooperation with **The National Map**

Have questions? See our [FAQ's](#) section for

The National Map

nationalmap.gov

USGS science for a changing world

The National Map

USGS Home Contact USGS Search USGS

The National Map


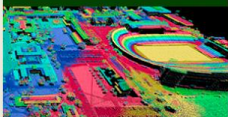



TNM Home About TNM News & Events Information Products CEGIS Small-Scale Standards & Specs Geospatial Data Contracts FAQs

Contact Us Social Media

**The National Map**  
Your Source for Topographic Information

Search... Search

All USGS This site only

<p><b>US Topo</b></p> 	<p><b>3D Elevation Program</b></p> 	<p><b>National Hydrography Data Set</b></p> 									
<p><b>Historical Topographic</b></p> 	<table border="1"> <tr> <td>Maps</td> <td>Elevation</td> <td>Hydrography</td> </tr> <tr> <td>Geographic Names</td> <td>Transportation</td> <td>Structures</td> </tr> <tr> <td>Boundaries</td> <td>Orthorectification</td> <td>Land Cover</td> </tr> </table>	Maps	Elevation	Hydrography	Geographic Names	Transportation	Structures	Boundaries	Orthorectification	Land Cover	<p><b>Find Data + View &amp; Download</b></p> 
Maps	Elevation	Hydrography									
Geographic Names	Transportation	Structures									
Boundaries	Orthorectification	Land Cover									
<p>TNM Partnership &amp; User Engagement</p>	<p>The National Map Corps</p>	<p>U.S. Board on Geographic Names</p>									

U.S. Geological Survey Pub... x

pubs.er.usgs.gov

USGS science for a changing world

USGS Home Contact USGS Search USGS

USGS Publications Warehouse Explore Documentation Contact search terms

## USGS Publications Warehouse







The Pubs Warehouse provides access to over 130,000 publications written by USGS scientists over the century-plus history of the bureau

**Search for Publications**

search terms

Search Advanced Search

### New Publications by USGS Authors

-  **Realized Detection and Capture Probabilities for Giant Gartersnakes (*Thamnophis gigas*) Using Modified Floating Aquatic Funnel Traps**  
2015, Open-File Report 2015-1200
-  **Barrier Island shorelines extracted from Landsat imagery**  
2015, Open-File Report 2015-1179
-  **Arctic Alaska's Lower Cretaceous (Hauterivian and Barremian) mudstone succession —Linking lithofacies, texture, and geochemistry to marine processes**  
2015, Professional Paper 1814-B
-  **Relating subsurface temperature changes to microbial activity at a crude oil-contaminated site**  
2015, Journal of Contaminant Hydrology (182) 183-193
-  **Relating mesocarnivore relative abundance to anthropogenic land-use with a hierarchical spatial count model**  
2015, Ecography
-  **Basement and regional structure along strike of the Queen Charlotte Fault in the context of modern and historical earthquake ruptures**  
2015, Bulletin of the Seismological Society of America (105) 1090-1105

**Help us improve our publications.**

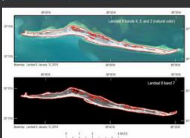
If you use our reports and maps, we need your input! Take this brief, 10-minute questionnaire to help us improve our publications. Your responses are confidential, and no one will contact you further.

[CLICK TO BEGIN](#)

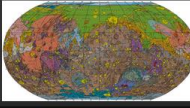
**Tweets**

[Follow](#)

**USGS Pubs Warehouse** @USGS\_Pubs 1h  
Barrier Island shorelines extracted from Landsat imagery: [bit.ly/1G3/INT1](https://bit.ly/1G3/INT1)  
[pic.twitter.com/cPELO0e9k](https://pic.twitter.com/cPELO0e9k)



**USGS Pubs Warehouse** @USGS\_Pubs 4h  
Check out this #USGS map of Mars: [bit.ly/1u6dVvs](https://bit.ly/1u6dVvs)  
[pic.twitter.com/cpouX7qj](https://pic.twitter.com/cpouX7qj)



Tweet to @USGS\_Pubs

Resources for K-College Te... x

education.usgs.gov


USGS science for a changing world

USGS Home Contact USGS Search USGS

USGS Education Home Primary Education Secondary Education Undergraduate Education

Featured Topic

**Citizen Science**

 How can classrooms and individual students contribute to USGS science? Explore an updated list of [Citizen Science opportunities](#) that educate and engage the public while helping the USGS tackle real-world problems.

[Featured Topics Archive](#)

**What's New and Interesting**






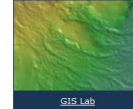



**Are You Ready to ShakeOut?**  
The annual [Great ShakeOut Earthquake Drills](#) will take place in the United States and around the globe on October 15. Is your school registered to participate? Educational resources are available for each region.

**Education Resources**

**Biology, Geography, Geology, Water, and much more...**

[Grades K-6](#) [Grades 7-12](#) [Undergraduate](#)

**Frequently Visited Resources**

-  [Videos and Animations](#)
-  [Online Lectures](#)
-  [Citizen Science](#)
-  [Find a Map!](#)
-  [Find an Image!](#)
-  [GIS Lab](#)
- 
- 
- 

Select Language

Search...  
All USGS This site only  
[Search](#)

[Search USGS Fact Sheets](#)  
Search thousands of informative Fact Sheets and publications written for a non-technical audience. Be sure to type "Fact Sheet", "General Information Product" or "Circular" under the "Series Name" box.  
Products in pdf format require [Adobe Acrobat Reader](#).

[Geoscience Field Camps](#)  
[NACT/USGS Cooperative Summer Field Training Program](#)

[Ask USGS](#)  
[USGS FAQs](#)  
[Careers and Student Opportunities](#)  
[USGS Store—Education Products](#)  
[USGS Education Resources Handout](#)

Undergraduate Education ... x +

education.usgs.gov/undergraduate.html

USGS Home Contact USGS Search USGS

**USGS Education**

USGS Education Home | Primary Education | Secondary Education | Undergraduate Education

Select Language

Science Areas

**Biology**

Amphibians  
Climate Change  
Ecosystems

**Geography**

Maps & Geospatial Data  
Satellites & Remote Sensing  
Purchase Maps & Images  
Land Use History

**Geology**

Astronomy & Astrogeology  
Plate Tectonics  
Geologic Maps  
Rocks & Minerals  
Geochemistry  
Soils  
Energy  
Coastal Environments  
Natural Hazards  
Earthquakes  
Tsunamis  
Landslides  
Volcanoes  
Wildfires

**Water**

General Water  
Groundwater  
Floods

**USGS Science Resources for Undergraduate Education**

This Web site contains selected USGS educational resources that may be useful to educators at the college level. Most of the material on USGS Web sites is suitable for undergraduate-level use, but we have tried to list especially appropriate sites below. Many of these resources can be used directly in the classroom, in the preparation of demonstrations, or as resources for student research. Note that this is only a partial list of selected resources.

Find more information by searching the [USGS Web site](#), the [USGS Library Web site](#) and the [USGS Publications Warehouse](#).

Resource Symbols:

- Contains complete teaching module
- Digital data or images
- Contains structured classroom activities
- Some items must be purchased

**Biology**

[Avian Zoonotic Diseases: Work Smart, Stay Safe](#)  
A 90-minute online seminar that covers basic disease concepts, common routes of disease exposure, and biosafety recommendations. Avian zoonotic diseases discussed are salmonellosis, chlamydia, histoplasmosis, West Nile virus, Newcastle Disease, and avian influenza. Watch the course and download the materials.

[Mammalian Zoonotic Diseases: Work Smart, Stay Safe](#)  
A 90-minute online seminar that covers basic disease concepts, common routes of disease exposure and biosafety recommendations. Mammalian zoonotic diseases discussed are rabies, plague, baylisascaris, tularemia, Hantavirus, Lyme disease, giardia, and echinococcus. Watch the course and download the materials.

[Birds of North America Taxonomic List](#)  
A table listing birds of North America. The table is sorted taxonomically (by order, family, and genus).

[Bird Banding Laboratory of the North American Bird Banding Program](#)  
Information on bird banding and bird markers.

[Become a Phenology Observer](#)

BGN Domestic Names - M... x +

geonames.usgs.gov/domestic/

125 years 1890-2015 United States Board on Geographic Names

Domestic Names - [Search Domestic Names](#) or [Download Domestic Names](#)

**Main Menu**

- BGN Home
- Domestic Names**
  - Search
  - Download
  - Principles, Policies, and Procedures
  - Minutes
  - Quarterly Review List
  - Propose or Change a Name
  - Compilation Status Map
  - BGN (ONC) History
  - FAQ
- Foreign Names
- Antarctic Names
- Undersea Features
- Member Directory
- Publications
- Links
- 125th Anniversary Celebration

The Geographic Names Information System (GNIS) is the Federal and national standard for geographic nomenclature. The U.S. Geological Survey developed the GNIS in support of the U.S. Board on Geographic Names as the official repository of domestic geographic names data, the official vehicle for geographic names use by all departments of the Federal Government, and the source for applying geographic names to Federal electronic and printed products.

The GNIS contains information about physical and cultural geographic features of all types in the United States, associated areas, and Antarctica, current and historical, but not including roads and highways. The database holds the Federally recognized name of each feature and defines the feature location by state, county, USGS topographic map, and geographic coordinates. Other attributes include names or spellings other than the official name, feature designations, feature classification, historical and descriptive information, and for some categories the geometric boundaries.

The database assigns a unique, permanent feature identifier, the Feature ID, as the only standard Federal key for accessing, integrating, or reconciling feature data from multiple data sets. The GNIS collects data from a broad program of partnerships with Federal, State, and local government agencies and other authorized contributors, and provides data to all levels of government, to the public, and to numerous applications through a web query site, web map and feature services, file download services, and customized files upon request.

**Announcement: Mount McKinley name changed to Denali**

The GNIS Feature ID, Official Feature Name, and Official Feature Location are American National Standards Institute standards as specified in ANSI INCITS 446-2008 (Identifying Attributes for Named Physical and Cultural Geographic Features (Except Roads and Highways) of the United States, Its Territories, Outlying Areas, and Freely Associated Areas, and the Waters of the Same to the Limit of the Twelve-Mile Statutory Zone). The standard is available at the [ANSI Web Store](#).

**New Policy Regarding the Maintenance of Administrative Feature Names in The National Map**

**Effective October 1, 2014:**  
As a result of reprogrammed budgets and resources, the decision has been made to suspend the maintenance of some administrative (i.e. cultural or manmade) feature names in The National Map and to discontinue the maintenance of all administrative names through the GNIS public interface at this site (<http://geonames.usgs.gov>). The features that will continue to be maintained in The National Map will be updated in GNIS on a periodic revision cycle through submissions from authoritative sources or based on input from volunteers through The National Map Corps.

If you are interested in participating in The National Map Corps, which "encourages citizens to collect structures data by adding new features, removing obsolete points, and correcting existing data for The National Map," please visit the following Web site: <http://navigator.er.usgs.gov>. To identify the administrative features to be maintained through The National Map Corps program, click "Structures List" located on the left-hand side of the page.

If you have further questions, please visit The National Map home page at: <http://nationalmap.gov>.

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey  
URL: <http://geonames.usgs.gov/domestic/index.html>  
Page Contact Information: [GNIS Manager](#)  
Page Last Modified: Monday, 31-Aug-2015 10:07:22 MDT

USA.gov TAKE PRIDE IN AMERICA

USGS WaterWatch -- Stream... x +

waterwatch.usgs.gov/index.php

USGS Home Contact USGS Search USGS

# WaterWatch

Search WaterWatch ...

Home

- Current Streamflow
- Flood
- Drought
- Past Flow/Runoff
- Animation
- Toolkit
- Annual Summaries
- Additional Information
- About WaterWatch

**Current Streamflow**

Tuesday, October 13, 2015 05:00 ET

**Drought**

Tuesday, October 13, 2015

**Flood**

Tuesday, October 13, 2015 05:00 ET

**Past Flow/Runoff**

Tuesday, October 13, 2015

Accessibility FOIA Privacy Policies and Notices

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

URL: <http://waterwatch.usgs.gov>

Page Contact Information: [Contact USGS](#)

Page Last Modified: Tuesday, October 13, 2015

USA.gov U.S. DEPARTMENT OF THE INTERIOR U.S. GEOLOGICAL SURVEY

U.S. Geological Survey: Nat... x +

www.usgs.gov/natural\_hazards/

USGS Home Contact USGS Search USGS

U.S. Geological Survey

Maps, Imagery, and Publications Hazards Newsroom Education Jobs Partnerships Library About USGS Social Media

## Natural Hazards

Every year in the United States, natural hazard events threaten lives and livelihoods, resulting in deaths and billions of dollars in damage. The USGS works with many partners to monitor, assess, and conduct targeted research on a wide range of natural hazards so that policymakers and the public have the understanding they need to enhance preparedness, response and resilience.

In 2010, the USGS realigned its organizational structure around the missions identified in the [USGS Science Strategy](#). The Natural Hazards Mission Area includes six science programs: [Coastal & Marine Geology](#), [Earthquake Hazards](#), [Geomagnetism](#), [Global Seismographic Network](#), [Landslide Hazards](#), and [Volcano Hazards](#). Through these programs, the USGS provides alerts and warnings of geologic hazards and supports the warning responsibilities of the National Oceanic and Atmospheric Administration (NOAA) for geomagnetic storms and tsunamis. The Coastal and Marine Geology Program supports all the missions of the USGS, characterizing and assessing coastal and marine processes, conditions, change and vulnerability.

The Natural Hazards Mission Area is responsible for coordinating USGS response following disasters and overseeing the bureau's [emergency management](#) activities. The mission area coordinates long-term planning across the full USGS hazards science portfolio, including activities funded through many other programs across the bureau, including floods, hurricanes and severe storms, and wildfires.

The future direction of the USGS hazards mission is guided by the recently released [USGS Natural Hazards Science Strategy](#), which was developed by a team of USGS scientists with considerable input from partners and the public. This document is part of a broader USGS [science strategy](#) planning process across all our missions.

### Natural Hazards Mission Area Programs & Activities

**Coastal and Marine Geology**

CMGP conducts research on the changes to the coastal and marine environment that impact lands, lives and livelihoods, and vulnerable ecosystems; providing science to inform decisions that ensure safe and resilient coastal communities and sustainable use and protection of marine resources. Supporting the Natural Hazards mission, CMGP conducts research on marine geohazards including earthquakes, tsunami, and submarine landslides and on coastal change hazards from erosion, hurricanes and other extreme storms, and sea-level rise.

- [Coastal Change](#)

**Earthquake Hazards**

The Earthquake Hazards Program is part of the National Earthquake Hazards Reduction Program (NEHRP), a four-agency partnership led by the National Institute of Standards and Technology (NIST). Earthquakes pose significant risk to 75 million Americans in 39 States. The USGS provides research and information products for earthquake loss reduction, including hazard and risk assessments, comprehensive real-time earthquake monitoring, and public outreach.

- [Earthquake Map](#)
- [Real-time RSS Feeds](#)

U.S. Geological Survey Natural Hazards Science Strategy - Promoting the Safety, Security, and Economic Well-Being of the Nation

Volcano Hazards Program L. x +

volcanoes.usgs.gov/publications/index.php

USGS science for a changing world

USGS Home Contact USGS Search USGS

Volcano Hazards Program Home About Us Contact Us

ACTIVITY LEARN IMAGES HAZARDS PUBLICATIONS OBSERVATORIES

### Publications

Volcano Fact Sheets and Posters  
Maps  
Volcano Update Feeds  
NEWS  
Iceland Links  
Online News Archive  
Volcano Assessments  
Other Volcano Products

## Volcano Hazards Program Images and Publications

The Volcano Hazards Program publishes a wide variety of materials including Fact Sheets, Maps, Hazard Assessments, and Scientific articles.

#### Volcano Fact Sheets

Find Fact Sheets and posters on U.S. volcanoes. These are written for the general public.

#### Volcano Assessments

Read summaries of past volcanic activity and discussions of potential hazards.

#### Other products

Choose from a variety of other volcano products including lists of recent scientific publications.

#### VHP Update Feeds

Access our updates from a news reader.

ACTIVITY	LEARN	IMAGES	HAZARDS	PUBLICATIONS	OBSERVATORIES
Volcano Status Map	This Dynamic Planet	Photoglossary	Ash	Fact Sheets	Alaska Volcano Observatory
Elevated Status	FAQ	Webcams	Gas	Volcano Assessments	California Volcano Observatory
U.S. Volcano Alerts	U.S. Volcano List		Lahars	Update Feeds	Cascades Volcano Observatory
Archived Alerts	For Teachers		Landslides	Other Products	Hawaiian Volcano Observatory
About Alerts	Seminar Series		Lava Flows		Yellowstone Volcano Observatory
Monitoring Volcanoes			Pyroclastic Flows		
Monitoring Data			Tephra		
Volcano Notification					

Data

earthquake.usgs.gov/data/products/

USGS science for a changing world

USGS Home Contact USGS Search USGS

Earthquake Hazards Program Home About Us Contact Us

EARTHQUAKES HAZARDS DATA & PRODUCTS LEARN MONITORING RESEARCH

## Data

[USGS earthquake data](#) including real-time and historic earthquake catalogs, GIS data, hazards, and more.

## Products

### Real-time Earthquakes

USGS produces a variety of products following significant earthquakes.

[Did You Feel It?](#)  
Earthquake reports from users.

[ShakeMap](#)  
Maps of ground motion and shaking intensity.

[PAGER](#)  
Fatality and economic loss impact estimates.

[Earthquake Summary Posters](#)  
Earthquake location and history, plate tectonic environment, and generalized seismic hazard.

### Earthquake Scenarios

An [earthquake scenario](#) is a planning tool that helps us understand earthquakes and plan for the future. Earthquake Scenarios describe the expected ground motions and effects of specific hypothetical large earthquakes. Scenario earthquakes can be generated for any potential hypothetical future or past historic earthquake for training exercises. Scenarios have been developed for all of the primary faults factored into the USGS National Seismic Hazard Maps; they also have been developed for other structures nationally and globally.

### See Also

[Google Earth/KML Files](#)

[San Francisco Bay Area](#)

[1969 Hayward Fault Earthquake](#)



USGS Minerals Information... x +

minerals.usgs.gov/minerals/pubs/myb.html

USGS Home Contact USGS Search USGS

**Minerals Information**

Home / Commodity / Country / State / Products / Contacts /

MI Home > Products > Minerals Yearbook

## Minerals Yearbook

The Minerals Yearbook is an annual publication that reviews the mineral and material industries of the United States and foreign countries. The Yearbook contains statistical data on materials and minerals and includes information on economic and technical trends and development. The Minerals Yearbook includes chapters on approximately 90 commodities and over 175 countries.

- Volume I. -- Metals and Minerals**

This volume, covering metals and minerals, contains chapters on approximately 90 commodities. In addition, this volume has chapters on mining and quarrying trends and on statistical surveying methods used by Minerals Information, plus a statistical summary.
- Volume II. -- Area Reports: Domestic**

This volume reviews the U.S. mineral industry by State and Island possessions. It presents salient statistics on production, consumption, and other pertinent data for each State and is prepared in cooperation with State Geological Surveys or related agencies.
- Volume III. -- Area Reports: International**

This volume of the Minerals Yearbook provides an annual review of mineral production and trade and of mineral-related government and industry developments in more than 175 foreign countries. Each report includes sections on government policies and programs, environmental issues, trade and production data, industry structure and ownership, commodity sector developments, infrastructure, and a summary outlook.

If needed, file viewers can be obtained through these links: [Excel Viewer](#) | [PDF Reader](#) | [Word Viewer](#)

**Mineral Resources** Eastern / Central / Western / Alaska / Minerals Information  
Crustal Geophysics and Geochemistry / Spatial Data

Accessibility FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey  
URL: <http://minerals.usgs.gov/minerals/pubs/myb.html>  
Page Maintained By: [jlinestroza@usgs.gov](mailto:jlinestroza@usgs.gov)  
Page Last Modified: Thursday, 14-May-2009 10:11:25 EDT

USA.gov

Bureau of Mines Minerals... x +

minerals.usgs.gov/minerals/pubs/usbmmyb.html

USGS Home Contact USGS Search USGS

**Minerals Information**

Home / Commodity / Country / State / Products / Contacts /

MI Home > Products > Bureau of Mines Minerals Yearbook

## Bureau of Mines Minerals Yearbook (1932-1993)

Courtesy of the [University of Wisconsin Ecology and Natural Resources Collection](http://digicoll.library.wisc.edu/EcoNatRes/)  
(URL: <http://digicoll.library.wisc.edu/EcoNatRes/>)

1993	<a href="#">Metals and Minerals</a>   <a href="#">Area Reports: Domestic</a>   <a href="#">World Economy</a>   <a href="#">Africa</a>   <a href="#">Asia and the Pacific</a>   <a href="#">Europe and Central Eurasia</a>   <a href="#">Latin America and Canada</a>   <a href="#">Middle East</a>
1992	<a href="#">Metals and Minerals</a>   <a href="#">Area Reports: Domestic</a>   <a href="#">World Economy</a>   <a href="#">Africa</a>   <a href="#">Asia and the Pacific</a>   <a href="#">Europe and Central Eurasia</a>   <a href="#">Latin America and Canada</a>   <a href="#">Middle East</a>
1991	<a href="#">Metals and Minerals</a>   <a href="#">Area Reports: Domestic</a>   <a href="#">World Economy</a>   <a href="#">Africa</a>   <a href="#">Asia and the Pacific</a>   <a href="#">Europe and Central Eurasia</a>   <a href="#">Latin America and Canada</a>   <a href="#">Middle East</a>
1990	<a href="#">Metals and Minerals</a>   <a href="#">Area Reports: Domestic</a>   <a href="#">World Economy</a>   <a href="#">Africa</a>   <a href="#">Asia and the Pacific</a>   <a href="#">Europe and Central Eurasia</a>   <a href="#">Latin America and Canada</a>   <a href="#">Middle East</a>
1989	<a href="#">Metals and Minerals</a>   <a href="#">Area Reports: Domestic</a>   <a href="#">World Economy</a>   <a href="#">Africa</a>   <a href="#">Asia and the Pacific</a>   <a href="#">Europe and Central Eurasia</a>   <a href="#">Latin America and Canada</a>   <a href="#">Middle East</a>
1988	<a href="#">Metals and Minerals</a>   <a href="#">Area Reports: Domestic</a>   <a href="#">Area Reports: International</a>
1987	<a href="#">Metals and Minerals</a>   <a href="#">Area Reports: Domestic</a>   <a href="#">Area Reports: International</a>
1986	<a href="#">Metals and Minerals</a>   <a href="#">Area Reports: Domestic</a>   <a href="#">Area Reports: International</a>
1985	<a href="#">Metals and Minerals</a>   <a href="#">Area Reports: Domestic</a>   <a href="#">Area Reports: International</a>
1984	<a href="#">Metals and Minerals</a>   <a href="#">Area Reports: Domestic</a>   <a href="#">Area Reports: International</a>
1983	<a href="#">Metals and Minerals</a>   <a href="#">Area Reports: Domestic</a>   <a href="#">Area Reports: International</a>
1982	<a href="#">Metals and Minerals</a>   <a href="#">Area Reports: Domestic</a>   <a href="#">Area Reports: International</a>
1981	<a href="#">Metals and Minerals</a>   <a href="#">Area Reports: Domestic</a>   <a href="#">Area Reports: International</a>
1980	<a href="#">Metals and Minerals</a>   <a href="#">Area Reports: Domestic</a>   <a href="#">Area Reports: International</a>
1978-1979	<a href="#">Metals and Minerals</a>   <a href="#">Area Reports: Domestic</a>   <a href="#">Area Reports: International</a>
1977	<a href="#">Metals and Minerals</a>   <a href="#">Area Reports: Domestic</a>   <a href="#">Area Reports: International</a>
1976	<a href="#">Metals, Minerals, and Fuels</a>   <a href="#">Area Reports: Domestic</a>   <a href="#">Area Reports: International</a>
1975	<a href="#">Metals, Minerals, and Fuels</a>   <a href="#">Area Reports: Domestic</a>   <a href="#">Area Reports: International</a>



## *Presenters' Contact Information*

**Judy Din**  
Head of Technical Services  
U.S. Dept. of the Interior Library  
Office of Facilities and  
Administrative Services  
1849 C Street, NW, MS 1151  
Room 1355  
Washington, DC 20240  
Email: [Judy\\_Din@ios.doi.gov](mailto:Judy_Din@ios.doi.gov)  
Phone: (202) 208-3402

*DOI Library Contact Information:*

**Carolyn Frenger**  
Library Technician  
U.S. Dept. of the Interior Library  
Office of Facilities and  
Administrative Services  
1849 C Street, NW, MS 1151  
Room 1347  
Washington, DC 20240  
Email:  
[carolyn\\_frenger@ios.doi.gov](mailto:carolyn_frenger@ios.doi.gov)  
Phone: (202) 208-3221

Room 2262  
Stewart Lee Udall Department of  
Interior Building  
1849 C Street NW  
Washington, DC 20240  
Phone: (202) 208-5815  
Email: [library@ios.doi.gov](mailto:library@ios.doi.gov)