NATURAL RESOURCES

Association of American State Geologists EARTH SCIENCE EDUCATION SOURCE BOOK

compiled by Robert H. Fakundiny
and Neil H. Suneson

WASHINGTON
DIVISION OF GEOLOGY
AND EARTH RESOURCES

Open File Report 96-4
June 1996

WASHINGTON STATE DEPARTMENT OF
Natural Resources
Jennifer M. Belcher - Commissioner of Public Lands
Kaleen Cottingham - Supervisor

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PREFACE

As we move forward toward the next millennium, the demand for earth science information is increasing exponentially. We are in a information age, with a better educated public concerned about the environment and the role of geology in their lives and the ecosystems we live in. School children and their educators, more than ever, seek answers to questions like "How did the mountain get there?" "What is the history of the Columbia River?" "Why do we have so many gravel pits?", and "What can you tell me about Yellowstone or the Grand Canyon?" A rapidly growing urban population and shrinking natural resources require that sound management decisions are made using scientifically credible and current geological data and services.

The Association of American State Geologists has produced this Earth Science Education Source Book. This publication is a compendium of earth science information available from all 50 states. Whether one is planning a vacation or a mineral collecting trip or seeking information for a earth science school project, each state geological survey can be contacted through the listings.

State geological survey information sources can also be accessed through the Internet; this book can be found at the URL (web address) http://www.kgs.ukans.edu/AASG/earthSci.html.

This book is also available from us on disk in WordPerfect 5.1 for DOS. If you want the information in that format, please send us a 1.4mb virus-free DOS-formatted 3.5-inch disk, and we will load the file on the disk and return it to you. Please send us $1 for postage and handling.

Raymond Lasmanis
Washington State Geologist

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Association of American State Geologists
Earth Science Education
Source Book for Teachers and Students

Introduction

The Association of American State Geologists (AASG) Source Book is a compendium of earth-science-education materials and services available from the 50 State Geological Surveys in the United States, Puerto Rico, and the Association of American State Geologists. Publications that are intended for the general public, but may be useful to earth-science educators are also included in the compendium. It is primarily intended to be a comprehensive quick reference for teachers seeking resources for their classrooms, but also to be useful for postsecondary instructors and hobbyists, mineral and fossil collectors, and anyone interested in the earth-science-information products from State Geological Surveys. As a list of what the 50 states have available, the Source Book should also be helpful to State Geologists seeking to expand their educational and general-public offerings. The compendium is not exhaustive at present; several State Geological Surveys give only their address and phone number but not their products. The Association's Source Book is patterned after the American Geological Institute's (AGI) Earth-Science Education Resource Directory, which is listed and described herein. This AASG Source Book is meant to complement the AGI Directory, thus, we highly recommend it as a companion for your resources library. The AASG Source Book will be updated periodically.

How to Use the List

Each State's list provides the Survey's name, the name of a contact person, the ordering address, and telephone, FAX, E-mail numbers. The Surveys are placed in alphabetical order. Individual items or services provided by each Geological Survey are preceded by an identification code that begins with that State's postal initials, followed by numbers corresponding to the item's position in the list. For example, ND03 is the third item in the North Dakota Survey's list (Educational Series 12). Next, a brief description of the item or service is given, followed by a set of descriptors grouped into six categories: (A) Grade level and user, (B) Content, (C) Text-based information, (D) Other teaching media, (E) Service and outreach and (F) Cost and access information.

The descriptors in each category are as follows:

(A) Grade Level and User: Elementary K-3 and 4-6; middle school 7-9; high school 10-12; post secondary; and general public and whether intended for use by students (S) or teacher (T); if no initial is given, it is intended for both.

(B) Content Category: (bedrock geology/stratigraphy; surficial geology/glacial geology; economic geology/petroleum; minerals and rocks; fossils; hydrogeology; environmental geology; engineering geology/geologic hazards; geophysics/remote sensing; geologic principles/processes; other);

(C) Text-based information: background descriptive material developed for teachers; lay article useful to teachers/Educational leaflet; scientific article; textbook/handbook/laboratory manual/teacher manual; list of references and resources for teachers; fieldtrip guide; other);

(D) Other Teaching Media: audio-visual; computer; maps; charts; posters; manipulables; and other);

(E) Service and Outreach: direct assistance to teachers in classroom, (e.g., lectures; leading fieldtrips, etc.; speakers bureau, teacher workshop, services to teachers and students at the Geological Survey office, (e.g., identification service, or library); scholarship, fellowship, internship; Internet bulletin board; Cooperative programs for development of educational material and teaching methods; other);

(F) Cost and Access Information: whether free to teachers; if free, maximum quantity per school; discounts to teachers, and ordering information.

Listed at the end of entries from some State Geological Surveys are titles of items that have not been described as yet, but are available. Full descriptions will be added in succeeding issues of the Source Book.

The second part of the Source Book is a cross-reference system that lists each described item available from each Survey by descriptor.

Appendix I gives background about the Association of American State Geologists. Appendix II is an example of the form that each Survey fills out and submits for each item. If you wish to add items to the list of any State Geological Survey, please complete this form and send it to Robert Fakundiny at the New York State Geological Survey.

We hope that this compendium will provide a significant resource for teachers, students, and the general public. To maximize its usefulness, we need suggestions from users as to how it can be improved. Please send comments to us or your State's Geological Survey's contact person.

The cartoon at the beginning of the Indices Section is provided by Jan Thomas, reprinted by permission of *Lite Geology*, New Mexico Bureau of Mines and Mineral Resources, Socorro, New Mexico.

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LISTINGS

ALABAMA GEOLOGICAL SURVEY

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AL01. Geoscience Educational Resource Center

The Geological Survey of Alabama provides many services to the educational community. In addition to our published educational materials, we have recently established a resource center for educators. This center contains student and teacher activities, videos, slide sets, general information and resource guides on a wide range of geoscience related topics.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote/sensing, Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Lay article to teachers/Educational leaflet, Scientific article, List of references and resources for teachers; Teaching Media: Audio-visual, Computer, Maps, charts, posters, Mineral kits; Service & Outreach: Direct assistance to teachers in classroom, Speakers bureau, Teacher workshop, Services to teachers and students at Survey office, Cooperative programs for development of educational materials and teaching methods; Cost: $1.00-20.00, some items free to schools, pre-payment required on all orders.

AL02. Energy Atlas of Alabama

AL03. Exploring Alabama Caves

AL04. Water in Alabama, 1992

AL05. A Classroom Exercise in Spatial Analysis Using an Imagery Data Set

AL06. Hurricanes (slide set)

AL07. Earth Times (Text and Activities sheets)

AL08. Alabama Water Resources w/map

AL09. What Happens Where a River Meets the Sea

AL10. Hurricanes and Tornadoes in Alabama

AL11. Coal - its Importance to Alabama

AL12. The Forest Resources of the Birmingham, Jefferson County Region of Alabama

AL13. Geologic Features and Erosion Control in Alabama Gulf Coastal Area

AL14. Alabama Coal Data 1992

AL15. Use of Water in Alabama

AL16. Minerals in Alabama, 1993

AL17. The Petroleum Industry in Alabama 1992

AL18. Geologic Map of Alabama

AL19. Aquifers in Alabama

AL20. Geologic Map of Alabama

AL21. Rivers and Streams of Alabama

AL22. Rocks and Minerals of Alabama (sample kit)

AL23. Pamphlets and Leaflets
Alabama's State Rock and Mineral

State Fossil of Alabama - Basilosaurus cetoides (Owen)
Paddlefish - Polydon Spathula
The White Beaches of Coastal Alabama
The Sand Dunes of Coastal Alabama
Gold in Alabama
Interesting Facts About Alabama's Rivers and Fishes
Earthquakes in the Alabama area

ALASKA GEOLOGICAL SURVEY

Martha Murphoee
794 University Avenue
Suite 200
Fairbanks, AK 99709
(907) 451-5000; FAX: (907) 451-5050

AK01. Professional Reports, Geologic Reports, and Geochemical Reports

Professional Reports and Geologic Reports serve to communicate new data and original ideas to other earth scientists. They are highly edited and reviewed to ensure the highest level of accuracy.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; High School (10-12) teachers, Post Secondary, General Public; Text-based: Scientific article; Cost: varied, 20% discount when ordering 10 or more of a single report, no credit cards.

AK02. Report of Investigations, Alaska Open-File Reports, and Geochemical Reports

Lightly reviewed and edited geologic reports and maps. They are usually written by our staff from field notes and observations.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; High School (10-12) teachers, Post Secondary, General Public; Text-based: Scientific article; Teaching Media: Computer, Maps, charts, posters; Cost: varied, 20% discount when ordering 10 or more of a single report, no credit cards.

AK03. Alaska Territorial Department of Mines documents

Reports written by geologists of the Alaska Territorial Dept. of Mines before Alaska became a state. These include itinerary Reports, Mineral Investigations, Miscellaneous Reports, and Prospects or Properties Examined.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; High School (10-12), Post Secondary, General Public; Text-based: Scientific article, Fieldtrip guide; Cost: varied, 20% discount when ordering 10 or more of a single report, no credit cards.

AK04. Public-Data Files

Reports and maps that have not been edited nor reviewed. These allow for quick release of information to the public.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; High School (10-12) teachers, Post Secondary, General Public; Text-based: Scientific article; Teaching Media: Computer, Maps, charts, posters; Cost: varied, 20% discount when ordering 10 or more of a single report, no credit cards.

AK05. Guidebooks

Guidebooks contain general and technical information that helps visitors understand the geologic conditions they observe along some of the major transportation routes in Alaska.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Engineering geology/geologic hazards, Geologic principles/processes; Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, Scientific article, Textbook/handbook/laboratory manual/teacher manual, Fieldtrip guide; Cost: varied, 20% discount when ordering 10 or more of a single report, no credit cards.

AK06. Special Reports

Special Reports compile or summarize existing information on matters of current relevance related to

earth science in Alaska. They are written for the general public, but are thoroughly edited and reviewed.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Environmental geology, Engineering geology/geologic hazards, Geologic principles/processes; High School (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Lay article useful to teachers/Educational leaflet, Scientific article, List of references and resources for teachers; Cost: varied (some free), 20% discount when ordering 10 or more of a single report, no credit cards.

AK07. Miscellaneous Papers

Both formal and informal articles, and reports produced over the years, predominantly about mining and mineral assessments.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Hydrogeology, Engineering geology/geologic hazards, Geologic principles/processes; High School (10-12) teachers, Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, Scientific article; Teaching Media: Maps, charts, posters; Cost: varied, 20% discount when ordering 10 or more of a single report, no credit cards.

AK08. Information Circulars

General information on a variety of topics, not written in technical language.

Content: Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, List of references and resources for teachers; Cost: Free.

AK09. Service and Outreach

Our geologists give frequent talks at public schools and participate in university seminars, etc.

Service and Outreach: Direct assistance to teachers in classroom, Services to teachers and students at Survey office.

AK10. Internships

Internships are available on a limited basis to residents of the State of Alaska who are at least 18 years old and are enrolled full-time in college or in a graduate program related to natural resources. The purpose of these internships is to provide employment for students that contributes to their academic or career development.

Service and Outreach: Internship.

AK11. Guidebook to permafrost and Quaternary geology along the Richardson and Glenn Highways between Fairbanks and Anchorage, Alaska

AK12. Guidebook to permafrost and related features along the Elliott and Dalton Highways, Fox to Prudhoe Bay

AK13. Guidebook to permafrost and engineering problems along the Alaska Railroad between Anchorage and Fairbanks

AK14. Bedrock geology of the eastern Koyukuk Basin, central Brooks Range, and east-central Arctic Slope along the Dalton Highway, Yukon River to Prudhoe Bay, Alaska

AK15. Amateur gold prospecting in Alaska

AK16. Use of geologic maps explained

AK17. Taku glacier

AK18. The great Alaska earthquake, March 27, 1964

AK19. Geothermal resources of the Aleutian Arc

AK20. Holocene volcanoes of the Aleutian Arc, Alaska

AK21. Oil and gas basins map of Alaska

AK22. Map of Alaska's coal resources

AK23. Generalized geologic map of the Arctic National Wildlife Refuge, northeastern Brooks Range

AK24. Alaska's mineral industry 1993

AMERICAN GEOLOGICAL INSTITUTE

AGI Education & Human Resources
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E-mail: NCESE@agi.umd.edu

The American Geological Institute (AGI) is a federation of professional associations (29 in 1995) that serves the earth sciences. AGI aims to provide information services to earth scientists, to be an effective advocate for the interests of the earth-science community, to play a major role in strengthening earth-science education, and to increase public awareness of the vital role that the earth sciences play in mankind's use of resources and interaction with the environment.

AGI01. Earth-Science Education Resource Directory

Describes educational resources from more than 170 earth-science organizations and how to order them.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: List of references and resources for teachers; Teaching Media: Audio-visual, Computer, Maps, charts, posters, Manipulables, Mineral kits, Other: workshops/speakers; Cost: $19.95 includes shipping and handling, Discount to teachers - $14.95 for K-12 science educators and AGI member societies, for orders outside U.S. contact AGI Publications Center, P.O. Box 205, Annapolis Junction, MD 20701, (301) 953-1744; FAX (301) 953-2838.

AGI02. Geotimes

Monthly news magazine of the American Geological Institute that presents news and trends in the geosciences.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, Scientific article, List of references and resources for teachers; Teaching Media: Maps, charts, posters; Cost: $32.95 per year; orders outside U.S. $47.95, singles copies are $4.00.

AGI03. AGI Publications and Services

A brochure that lists the publications and services provided by AGI; it includes an order form.
Contents: Other: catalog; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: List of references and resources for teachers; Cost: Free.

AGI04. Adventures in Geology

Part One focuses on geology and science teaching. Part Two contains nine upbeat activities that will help upper elementary and middle school students understand and appreciate the geosciences.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9) teachers; Text-based: Background descriptive materials developed for teachers, Textbook/handbook/laboratory manual/teacher manual; Cost: $6.95, plus $4 shipping and handling.

AGI05. Careers in the Geosciences

The full-color leaflet describes what geoscientists do and where they work, future job prospects, salary figures, and where to find more information - a must for career counselors and fairs.
Content: Other: career opportunities; Middle (7-9) teachers, High School (10-12), Post Secondary; Text-based: Background descriptive materials developed for teachers; Cost: Free to educators, for bulk orders contact AGI Publications Center - (301) 953-1744.

AGI06. Dictionary of Geological Terms

Contains 8,000 terms and definitions that cover the core vocabulary of the earth sciences. Ideal for high-school and college students, science, teachers, and rockhounds. 3rd edition.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; Middle (7-9) teachers, High School (10-12), Post Secondary; Text-based: Textbook/handbook/laboratory manual/teacher manual; Cost: $12, plus $5 shipping and handling.

AGI07. Earth Science Content Guidelines Grades K-12

This report contains a set of questions to guide the inclusion of earth science content into the K-12 curriculum. The questions are organized by content area: Solid Earth, Water, Air, Ice, Life, and Earth in Space; and by grade level: K-3, 3-6, 6-9, 9-12. Corresponding key ideas and student activities are given for each content area and grade level.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12) teachers, Post Secondary teachers, General Public; Text-based: Background descriptive materials developed for teachers; Cost: $15, plus $4 shipping and handling.

AGI08. Earth Science Investigations

Strengthen your science or science-teaching program with 26 new classroom-tested research activities developed by teachers. Each hands-on exercise provides the concepts, vocabulary, and worksheets your students will need to complete it. Grades 8-12.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; Middle (7-9) teachers, High School (10-12) teachers; Text-based: Background descriptive materials developed for teachers, Textbook/handbook/laboratory manual/teacher manual; Cost: $34.95, plus $5 shipping and handling.

AGI09. Minerals -- Foundations of Society

A non-technical overview of non-fuel minerals that covers their significance, origin, and the complexities of making them available. It also highlights the role minerals play in domestic and international affairs.
Content: Economic geology/petroleum, Minerals and rocks; Middle (7-9), High School (10-12), Post Secondary; Text-based: Lay article useful to teachers/Educational leaflet, Textbook/handbook/laboratory manual/teacher manual; Cost: $11.95, plus $4 shipping and handling.

AGI10. Planning for Field Safety

This useful book may help prevent accidents and save lives by providing practical information on such topics as equipment use and safety, contaminated food and water, safe camping, hot and cold weather cautions, high altitude hazards, underground mines and caves, and fieldwork in other countries.
Content: Other: field research techniques; Middle (7-9), High School (10-12), Post Secondary; Text-based: Textbook/handbook/laboratory manual/teacher manual; Cost: $14.95, plus $4 shipping and handling.

AGI11. The Making of a Continent

By integrating color photographs, vivid illustrations, and personal narrative, Ron Redfern distills events and forces that shaped the natural and human history

of North America. This companion to the acclaimed TV series is perfect for friends and family - geologists and non-geologists.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, Textbook/handbook/laboratory manual/teacher manual; Cost: $16.95, plus $6 shipping and handling.

AGI12. AGI Homepage

AGI's World Wide Web homepage and gopher site provide helpful information on AGI, its member societies, the Georef bibliography, education programs including scholarship opportunities, updates on important geoscience and environmental legislation, and links to other geoscience sites on the Internet.
Elementary (4-6) teachers, High School (10-12), Post Secondary, General Public; Service & Outreach: Scholarship, fellowship, internship, Other: Liaison with Congress and Federal Agencies; Cost: Free to educators, site location: http://agi.umd.edu/agi/agi.html; Gopher site - gopher://agi.umd.edu:71

AGI13. GeoRef

Database of more than 1.9 million geological references that serve a world wide geoscience community.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: List of references and resources for teachers; Teaching Media: Other: CDROM, On-line, Internet; For information on formats, media, and costs contact Kay Yost, e-mail Kyost@agi.umd.edu.

ARIZONA GEOLOGICAL SURVEY

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Tucson, AZ 85710
(502) 770-3500; FAX: (502) 770-3505

AZ01. Information and assistance to Earth Science teacher groups

Information is provided on available references on Arizona geology. Talks are given and field trips are led for teacher groups. Talks are not given to individual classes.

AZ02. Geologic Map of Arizona (Map 26)

Generalized geologic map (1:1,000,000 scale) is printed in color and on waterproof paper. An 8 1/2 x 11 geologic map is also available. The 1:500,00-scale geologic map is out-of-print.

AZ03. How geologists tell time (Down-to-Earth 4)

A summary of relative and absolute age-dating techniques is given, using non-technical terms as much as possible.

AZ04. Land subsidence and earth fissures in Arizona (Down to Earth 3)

The process of overdraft of ground water, lowering of water levels in wells, subsidence, and development of earth cracks is described. Areas where subsidence has occurred are identified. Large portions of southern Arizona have been affected.

AZ05. Land subsidence, earth fissures, and water-level change in southern Arizona (Map 23)

Map (1:1,000,000) shows areas where water levels have been substantially lowered and areas where earth cracks have already developed.

AZ06. Arizona earthquakes, 1776-1980 (Bulletin 193)

A catalog compiled from newspaper accounts, diaries, published reports, and other sources. Epicenters, intensities or magnitudes, and areas in which tremors were felt are described. An epicenter map (1:1,000,000 scale), which is also available separately,

is included.

AZ07. The 1887 earthquake in San Bernardino Valley, Sonora: Historic accounts and intensity patterns in Arizona (Special Paper 3)

This quake, which occurred just south of the Arizona border, was the strongest to be felt in southeastern Arizona, including Tucson, in historic times.

AZ08. Radon gas: A geologic hazard in Arizona (Down-to-Earth 2)

Description of origin of radon and areas that have elevated uranium content in rocks and, therefore, the greatest potential for elevated indoor radon.

AZ09. Metallic mineral districts and production in Arizona (Bulletin 194)

A summary of production by districts, which are defined using geologic criteria. Includes a color map (1:1,000,000 scale) that categorizes the different types of districts. The map is also available separately.

AZ10. Proceedings of the 21st Forum on the Geology of Industrial Minerals (Special Paper 4)

Nonmetallic mineral resources in Arizona are described in presentations that were made at the Forum by various authors.

AZ11. Energy resources of Arizona (Down-to-Earth 1)

A summary of each type of energy source with a description of its geologic attributes.

AZ12. Geothermal resources of Arizona (Map 15-2)

Geothermal anomalies, hot springs, and other data are shown on the map (1:500,000 scale). The map is the culmination of a 5-year investigation of geothermal resources.

ARKANSAS GEOLOGICAL COMMISSION

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Vardelle Parham Geology Center
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(501) 296-1877; FAX: (501) 663-7360

AR01. Fossils of Arkansas

AR02. Mineral Species of Arkansas: a Digest

AR03. Earthquakes and Earthquake History of Arkansas

AR04. Use of Water in Arkansas

AR05. Water in Arkansas

AR06. Selected Arkansas Mineral Collecting Localities

AR07. Pamphlets

Arky's Aquafacts
Finding Diamonds in Arkansas
Arkansas Quartz Crystals
History of Bauxite in Arkansas

AR08. Geology, Mineral, and Fossil Collections and Displays in Arkansas (reprinted sheets)

ASSOCIATION OF AMERICAN STATE GEOLOGISTS

Thomas M. Berg, State Geologist
Ohio Geological Survey
4383 Fountain Square Drive
Columbus, OH 43224-1362
(614) 265-6988; FAX: (614) 268-3669

The Association of American State Geologists (AASG) is an organization of the chief executives of the state geological surveys in the 50 states and Puerto Rico.

AASG01. State Geological Survey Fact Book

The fact book provides information about each state geological survey including: Name of the State Geologist, Deputy Director/Assistants, Executive Secretary, Address, Telephone number, FAX number, Mission Statement, and Contact Person (with telephone number) for various programs and information services.

Content: Other: Description of state geological surveys; Grade level: all; Text-based: background descriptive materials; Cost = $10.00. Order from Ohio Geological Survey.

AASG02. State Geologists Journal

An annual bulletin that describes each State Geological Survey's current program and services. Also included are notes from the annual meeting of the AASG, memorials to deceased members, list of Honorary Members, and lists of each state gem, mineral, rock, and fossil.

Content: Other: Brief statement of state geological survey mission and programs; Grade level: High School, Post Secondary, General Public; Text-based: background descriptive material; Cost = $10.00. Order from Ohio Geological Survey.

AASG03. The State Geological Surveys: A History

Gives the history of each geological survey including historical significance of organizational name, names and titles of organizational directors and dates served, and history (commonly with photographs).

Content: Other: history of state geological surveys; Grade level: Middle School (7-9), High School (10-12), Post Secondary, and General Public, for both student and teacher; Text-based: Lay articles useful to teachers; Cost = $20.00. Order from Ohio Geological Survey.

CALIFORNIA DEPARTMENT OF CONSERVATION

James F. Davis
Division of Mines and Geology
801 K Street, MS 12-30
Sacramento, CA 95814-3531
(916) 445-1923; FAX: (916) 445-5718

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(916) 323-5336; FAX (916) 327-1853
Dale Stickney, Information Geologist
(916) 322-4207; FAX (916) 327-1853
801 K Street, MS 14-33
Sacramento, CA 95814-3531

CA01. CALIFORNIA GEOLOGY Magazine

CALIFORNIA GEOLOGY is the State's lushly photographed and illustrated magazine written for laypersons, teachers, and earth science professionals. Articles cover geology, geologic hazards, mineral resources and mining, paleontology, geophysics, and seismology. Comprehensive book reviews are an integral part of every issue. Special interest to teachers is the "Teacher Feature" that appears in each issue. The Teacher Feature provides earth science teachers with class projects, resources listings, and timely earth science topics especially prepared for K-12 students. This highly informative and entertaining bimonthly publication is $10/year. Back issues are $2 each.

CA02. Educational Outreach

Outreach includes the Division's participation in geoscience career fairs, conferences, and earthquake preparedness fairs. In addition, Division earth scientists go into the classroom to present information requested by teachers. These outreach programs are customized to accommodate the students' ages and interests. The outreach program is designed for K-12. Cost: Free.

CA03. Individualized Teacher Packets

These earth science packets are prepared on an individual basis according to the requesting teacher's needs. They can pertain to a specific topic or include information on a wide variety of subjects. Cost: Free.

CA04. Geoscience Careers

The Division publishes current information concerning careers in geoscience. All disciplines are represented and resource lists are also available. Cost: Free.

CA05. California Mineral Education Conference

Every year the Division cosponsors this conference. The conference is held for K-12 teachers and includes class sessions, lab work, field trips, and informational materials.

DMG Notes are 1-2 pages informational tidbits about some of the most interesting aspects of geology. They

are written for the general public and many are directed to students. Cost: Free.

CA06. Benitoite - California State Gem

Content: Shows crystal habits of benitoite; shows general location of Benitoite Gem Mine in San Benito County (the sole source of gem quality of benitoite); lists statistics of this gem.

CA07. Gold - State Mineral

Content: Describes properties and uses, natural occurrences, mining methods, gold deposits, and gold production in California.

CA08. Sabre-Tooth Cat - Official State Fossil

Content: Describes sabre-tooth cat as it lived 1,800,000 to 11,000 years ago and compares it to the modern day cat.

CA09. How Earthquakes are Measured

Content: Explains relationship between earthquake magnitude and energy; describes Richter magnitude scale; shows Modified Mercalli Intensity Scale of 1931; has photos and illustrations.

CA10. Geomorphic Provinces and some Principal Faults of California

Content: Map depicting generalized geologic units of California.

CA11. Fossils and Paleontology

Content: Explains how organisms become fossils; includes photos.

Bulletins are reports on geologic topics of statewide significance in
California. The series includes:

CA12. Minerals of California

Content: Includes over 5,200 entries of mineral occurrences in California; occurrences are listed by county; those minerals of particular importance or interest are accompanied by a brief description of their geologic setting. Cost: $9.00.

CA13. Geology of Northern California

Content: History of geologic maps of California; Klamath Mountains Province; Cascade Range; Sierra Nevada Province; Great Valley Province; Coast Range Province; Offshore area; San Andreas Fault; Subcrustal structure; field trip guides. Cost: $12.00.

CA14. Gold Districts of California

Although gold is found in many areas of California, the most productive districts are in the northern and central parts of the Sierra Nevada. The primary deposits usually consist of gold-quartz veins in metamorphic rocks and are associated with the intrusion of the Sierra Nevada batholith.
Content: Other: Lists districts and counties where gold has been found; describes geology of areas; contains maps, photos, and tables; Cost: $10.00.

Geologic Data Maps - The Geologic Data Maps are full-color statewide wall maps (scale of 1:750,000). The series includes:

CA15. Geologic Map of California.

Cost: $10.00.

CA16. Geothermal Resources of California, 1980

Cost: $2.00.

CA17. Fault Activity Map of California and Adjacent Areas (with appendices)

Cost: $25.00.

CA18. An Explanatory Text to Accompany the 1:750,000-scale Fault and Geologic Maps of California

CA19. Geology of the Point Reyes Peninsula, Marin County, California

CA20. Geologic Features of Death Valley (Inyo and San Bernardino Counties), California

CA21. 17 Geologic quadranges, usually 1 by 2 (Geologic Atlas)

CA22. 4 Geologic quadrangles, usually 1 by 2 (Regional Geologic Map Series)

CA23. California Continental Margin Geologic Map Series (7 sets of geologic and related maps)

CA24. Geologic Map of California

CA25. A Description of the Set of Minerals and Rocks Furnished to California Schools by the Division of Mines and Geology Rock (mineral sets are no longer furnished but the booklet is still informative)

CA 26. Geology of Placer Deposits

CA 27. Basic Placer Mining

CA 28. California Jade, A Collection of Reprints

CA 29. Geologic Excursions in Northern California: San Francisco to the Sierra Nevada

List of Available Publications - All of the above items can be ordered from a List of Available Publications that can be obtained by writing the California Division of Mines and Geology, P.O. Box 2980, Sacramento, CA 95812-2980.

COLORADO GEOLOGICAL SURVEY

Orletta Fairchild
Colorado Geological Survey
1313 Sherman St., Room #715
Denver, CO 80203
(303) 866-3340; FAX: (303) 866-2461

CO01. Outreach

Lectures, displays, demonstrations, field trip leaders, publications, maps, guide books, GIS databases.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Environmental geology, Engineering geology/geologic hazards, Geologic principles/processes; Elementary (4-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, Textbook/handbook/laboratory manual/teacher manual; Fieldtrip guide; Teaching Media: Audio-visual (VHS Video), Computer (IBM), Maps, charts, posters; Service and Outreach: Direct assistance to teachers in classroom, Services to teachers and students at Survey office; Cost: contact the Survey for availability and possible costs, free to educators.

CO02. Gold Planning and Occurrences in Colorado Publications (Information and Resource series - IS-33, RS-28)

Gold planning and placering: how to pan, recovery devices, geology of placers, maps showing where to pan; gold occurrences; gold districts, table of occurrences; maps.
Content: Economic geology/petroleum, Minerals and rocks; High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, Scientific article, Textbook/handbook/laboratory manual/teacher manual; Teaching Media: Maps, charts, posters; Cost: contact the Survey, discounts to teachers, credit cards accepted.

CO03. Scenic trips into Colorado Geology publications (Special Publication series and Miscellaneous Information series: SP-27, MI-17,27,47,48)

Tour guide to geology of the Uncompaghre Plateau with map; roadside geology of Colorado; Aspen high country geologic guide to trails; geologic story of the great plains.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Environmental geology, Geologic principles/processes; Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, Textbook/handbook/laboratory manual/teacher manual; Teaching Media: Maps, charts, posters; Cost: contact the Survey, credit cards accepted.

CO04. Colorado Geologic Highway Map

Geology generalized from Tweto geologic map; diagrammatic cross section, shaded relief map on reverse side; Colorado's geologic history, water resources, energy and mineral resources, rock collecting and prospecting; by R.O. Christianson,

Western Geographics (scale 1:1 mil.).
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Hydrogeology; Middle (7-9), High School (10-12), General Public; Text-based: Lay article useful to teachers/Educational leaflet; Teaching Media: Maps, charts, posters; Cost: contact the Survey, credit cards accepted.

CO05. Geologic Map of Colorado, 1979

Colored state geologic map and explanation sheet by Ogden Tweeto, USGS (scale 1:500,000)
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology; Middle (7-9), High School (10-12), Post Secondary, General Public; Teaching Media: Maps, charts, posters; Cost: contact the Survey, discounts to teachers, credit cards accepted.

CO06. Dinosaur Publications (Special Publication series and Miscellaneous Information series: SP-35, MI-28, 41, 42, 47)

History of Colorado's Dinosaurs: discoveries, types, rock formations, geologic periods, fossilization; geologic map showing collecting areas, fossil footprints identification, field guide, and archaeology of the Dinosaur Ridge area; dinosaur coloring book of the Garden park paleontological site.
Content: Fossils, Geologic principles/processes; Elementary (K-6), Middle (7-9), High School (10-12), General Public; Text-based: Lay article useful to teachers/Educational leaflet, Scientific article, Textbook/handbook/laboratory manual/teacher manual, List of references and resources for teachers, Fieldtrip guide; Teaching Media: Maps, charts, posters; Cost: contact the Survey, discounts to teachers, credit cards accepted.

CO07. Postcard - Geology of Colorado

Generalized geology on base map of Colorado; color; 5"x7".
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology; Elementary (4-6), Middle (7-9), High School (10-12) students, General Public; Teaching Media: Maps, charts, posters; Cost: contact the Survey, discounts to teachers, credit cards accepted.

CO08. Publications List

Complete listing of books, maps, videos and open file reports on various subjects related to Colorado geology.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; Elementary (K-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, Scientific article, Textbook/handbook/laboratory manual/teacher manual, List of references and resources for teachers, Fieldtrip guide; Teaching Media: Audio-visual (VHS Video), Computer, Maps, charts, posters; Cost: Free, Free to educators: maximum quantity per school is 25.

CO09. Gem and Mineral Publications (Miscellaneous Information series - MI-37, 43, 45, 46 and others)

Several gem and mineral guidebooks of Colorado; localities, legalities, history, mine sites, rock shops, mileage logs, maps, museums, land ownership.
Content: Bedrock geology/stratigraphy, Economic geology/petroleum, Minerals and rocks, Fossils; Middle (7-9), High School (10-12), Post Secondary, General Public; Text-base: Lay article useful to teachers/Educational leaflet, Scientific article, Textbook/handbook/laboratory manual/teacher manual, List of references and resources for teachers, Fieldtrip guide; Teaching Media: Maps, charts, posters; Cost: contact the Survey, credit cards accepted.

CO10. Snow Avalanche Publications (Bulletin, Information, Miscellaneous and Special series - BU-49, IS-38, MI-30, SP-7 and others)

Snow avalanche hazard analysis for land-use planning and engineering; Avalanche Book: history, causes, terrains, weather, safety, rescue; Snowy Torrents: stories of avalanche, accidents in the U.S. 1980-1987: avalanche area studies and guidelines for planning.
Content: Surficial geology/glacial geology, Environmental geology, Engineering geology/seismic hazards; High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, Scientific article, Textbook/handbook/laboratory manual/teacher manual; Teaching Media: Audio-visual (VHS Video); Cost: contact the Survey, discounts to teachers, credit cards accepted.

CO11. Geologic Hazard Publications (Special Publication Series and Environmental Geology series: SP-11,

12, 14, 18 and EG-7, 9)

Handbooks on relation of geology to construction; shrinking and swelling soils information and maps; groundwater heat pumps design; coal mine subsidence in the Boulder-Weld Coalfields: land development, extent of mining, and subsidence problems.

Content: Environmental geology, Engineering geology/geologic hazards, Geologic principles/processes; Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, Scientific article, Textbook/handbook/laboratory manual/teacher manual; Teaching Media: Maps, charts, posters; Cost: contact the Survey, discounts to teachers, credit cards accepted.

CO12. Radioactive and Hazardous Waste publications (Miscellaneous Information series - MI-25, 26 and others)

Sources, disposal, locations, regulations, planning issues, geologic considerations.

Content: Environmental geology, Engineering geology/geologic hazards; Middle (7-9), High School. (10-12), General Public; Text-based: Lay article useful to teachers/Educational leaflet, Textbook/handbook/laboratory manual/teacher manual, List of references and resources for teachers; Cost: contact the Survey, credit cards accepted.

CO13. Common Minerals and Rocks - Their Occurrence and Uses

CO14. Prairie, Peak and Plateau - A Guide to the Geology of Colorado

CO15. Subsidence Above Inactive Coal Mines: Information for the Homeowner

CO16. Landslide Loss Reduction: A Guide for State and Local Government

CO17. Radon: Issues and Answers

CO18. Geology of Denver, Colorado

CO19. Ground Water Issues and Answers

CO20. Geology of Boulder, Colorado, USA

STATE GEOLOGICAL AND NATURAL HISTORY SURVEY OF CONNECTICUT

Ann Kasmire
DEP Technical Publications
79 Elm Street, Store Level
Hartford, CT 06106-5127
(203) 424-3555

CT01. Publication Sales

All materials produced by or available through the Connecticut Geological and Natural History Survey are listed in the "Natural Resources Information Directory and List of Publications" that is available free of charge from the Publications Program.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Scientific article, Textbook/handbook/laboratory manual/teacher manual, Fieldtrip guide; Teaching Media: Maps, charts, posters.

CT02. Generalized bedrock geologic map of Connecticut (postcard, 8" x 11" map)

CT03. Fossils of the Connecticut Valley

CT04. Dinosaurs, Dunes, and Drifting Continents

CT05. West Rock to the Barndoor Hills: The Traprock Ridges of Connecticut

CT06. The Prize: the Epic Quest for Oil, Money, and Power

CT07. Connecticut Minerals

CT08. Triassic Life of the Connecticut Valley (revised)

CT09. The Face of Connecticut: People, Geology and the Land

CT10. Guide to the Mesozoic Redbeds of Central Connecticut

CT11. Guidebook for Fieldtrips in Connecticut and South Central Massachusetts

CT12. Guidebook for Fieldtrips in Connecticut and Adjacent Areas of New York and Rhode Island

CT13. Guidebook for Fieldtrips in Eastern Connecticut and the Hartford Basin

CT14. Natural Resources Atlas Series
Natural Drainage Basins of Connecticut
Bedrock Geology Map of Connecticut
Bedrock Mines and Quarries of Connecticut

DELAWARE GEOLOGICAL SURVEY

Thomas Pickett
University of Delaware
Newark, DE 19716
(302) 831-2833; FAX: (302) 831-3579

DE01. Teachers Packet
Publications on general geology.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12) teachers, Post Secondary teachers, General Public; Text-based: Background descriptive materials developed for teachers, Lay article useful to teachers/Educational leaflet; Cost: Free to educators (Delaware only).

DE02. Building tours and talks
In response to advance request the DGS can provide talks and a tour of the building.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; Elementary (K-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Service and Outreach: Direct assistance to teachers in classroom, Services to teachers and students at Survey office; Cost: Free to educators (Delaware only).

DE03. Guide to Common Cretaceous Fossils of Delaware

DE04. The Story of Your State Geological Survey's SEARCH FOR WATER

DE05. Geology and Earth Resources of Delaware

DE06. Selected Fossil Collecting Locations in Delaware and Mineals in Delaware

DE07. Cretaceous Fossils from the Chesapeake and Delaware Canal: a Guide for Students and Amateurs

DE08. Delaware: its Rocks, Minerals, and Fossils

DE09. Delaware Geological Survey Cartographic Information Center

DE10. Domestic Water Well Construction

DE11. Ground Water in Delaware

DE12. Domestic Water Systems

DE13. Earthquakes in Delaware

DE14. Delaware's State Boundaries

DE15. The Delaware Geological Survey

FLORIDA GEOLOGICAL SURVEY

Ed Lane
903 W. Tennessee St.
Tallahassee, FL 32304-7700
(904) 488-9380; FAX: (904) 488-8036

FL01. List of Publications

105-page listing of current Florida Geological Survey publications, including: posters, maps, bulletins, information circulars, reports of investigations, special publications, leaflets, annual reports, leaflets, and open-file reports, with ordering information.

Content: Bedrock geology/stratigraphy, Surficial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; Elementary (K-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Textbook/handbook/laboratory manual/teacher manual, List of references and resources for teachers, Fieldtrip guide; Teaching Media: Audio-visual (VCR), Maps, charts, posters, Mineral kits; Service and Outreach: Direct assistance to teachers in classroom, Services to teachers and students at Survey office, Internet bulletin board; Cost: Free.

FL02. Florida Rock and Mineral Kit

Contains small hand-specimens of 13 Florida rocks and minerals; vials of 5 types of commercially important heavy minerals; and explanatory cover sheet.

Content: Minerals and rocks; Elementary (K-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Teaching Media: Mineral kits; Service and Outreach: Direct assistance to teachers in classroom, Services to teachers and students at Survey office; Cost: $1.00, One copy free to educators.

FL03. Summary of the geology of Florida and a Guidebook to the Classic Exposures, Revised

FL04. Fossil Mammals of Florida

FL05. Rocks and Minerals of Florida. A Guide to Identification, Occurrence, Production and Use

FL06. Fossil Vertebrate Localities in Florida

FL07. Adventures in Geology at Jackson Bluff

FL08. Geologic Descriptions of Selected Exposures in Florida

FL09. Florida's Geological History and Geological Resources

FL10. Florida Caverns State Park, Jackson County, Florida

FL11. A Fossil Hunter's Guide to the Geology of Panhandle Florida

FL12. The Scenerey of Florida Interpreted by a Geologist

FL13. Florida Dunes and Scrub, Vegetation and Geology

FL14. The Natural Features of Southern Florida, especially the vegetation and the Everglades

FL15. Leaflets

Your Water Resources: storage, origin, needs, uses, movement, conservation
Water for Thirsty Industry - it's your Problem
Florida Caverns State Park, a nature-made geologic wonderland
The Geology of Torreya State Park
A Geologic Guide to Suwannee River, Ichetucknee Springs, O'Leno and Manatee Springs State Parks
A Geologic Guide to the State Parks of the Florida Panhandle Coast. St. George

Island, St. Joseph Peninsula, St. Andrews and Grayton Beach Parks and Recreation Areas
Geology of the State Parks in the Florida Keys
The Florida Geological Survey
The Geology of Falling Waters State Recreation Area

GEORGIA GEOLOGIC SURVEY

Alan Giles, Information Geologist
Room 400, 19 M.L. King Jr. Dr., SW
Atlanta, GA 30334
(404) 656-3214; FAX: (404) 657-8379

Service and Outreach: Provide technical assistance by phone, mail or in-class workshops to inquiries from the public. Schedule on-site publication, file, and rock reviews through the Information Geologist.

*A mail order for this item requires a shipping and handling charge which is specified in our publication catalog, C-1. Contact our Map and Publication Sales Clerk or the Information Geologist to verify item availability and total costs.

GA01. Publications of the Georgia Geologic Survey (1993)

Listing of Survey publications by category. Includes prices and ordering information as well as a brief history of the Survey and a staff list (updated periodically).
General Public; Text-based: List of references and resources for teachers; Cost: Free.

GA02. Mining Directory of Georgia (1991)

All mining activities in state - listed by commodity mined. Includes general location, mailing address, and commodity use. Also gives information on other sources of information contacts (updated periodically).
Content: Minerals and rocks; General Public; Teaching Media: Maps, charts, posters; Cost: Free.

GA03. Mineral Industry of Georgia

Reprint of USBM Minerals Yearbook Chapter for Georgia. An annual overview of mining production and related activity in Georgia. (Published annually; back issues are available for some years while supplies last.)
Content: Minerals and rocks; General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: Free.

GA04. The common rocks and minerals of Georgia (1935)

A brief outline of all common rocks and minerals found in Georgia together with a brief note on their economic uses, if any.
Content: Minerals and rocks; General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: Free.

GA05. General Information on gold in Georgia

A collection of reprints of reports and articles on gold in Georgia. (Includes copies of IC-1 and 4 and Reprint 1.)
Content: Minerals and rocks; General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: Free.

GA06. An account of the value and occurrence of gold in north Georgia (1990)

A brief narrative account of gold mining history in Georgia printed in the style of a gazette newspaper.
*Content: Minerals and rocks; General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: $2.00, prepayment required (GA residents include 5% sales tax).**

GA07. Illustrated fossils of the Georgia Coastal Plain (1969)

A brief illustrated account of the major invertebrate fossil groups found in south Georgia.
*Content: Fossils; General Public; Text-based: Lay article useful to teachers/Educational leaflets; Cost: $1.00, prepayment required (GA residents include 5% sales tax).**

GA08. Prehistoric vertebrates of the Georgia Coastal Plain (1957)

A brief illustrated article for the layman describing some of the major large Pleistocene vertebrates and their fossil remains from south Georgia.
*Content: Fossils; General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: $.50, prepayment required (GA residents include 5% sales tax).**

GA09. The Okefenokee (1955)

A brief article on the Okefenokee Swamp.

*Content: Surficial geology/glacial geology; General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: $.50, prepayment required (GA residents include 5% sales tax).**

GA10. Public water-use supply in Georgia (1987)

A large illustrated poster graphically depicting all of the major water-use sectors in the state and how much water each consumes.

*Content: Environmental geology; General Public; Teaching Media: Maps, charts, posters; Cost: $5.00, prepayment required (GA residents include 5% sales tax).**

GA11. Meteorites in Georgia

An illustrated description of all the major meteorites in Georgia (thru 1956).

Content: Minerals and rocks; General Public; Text-based: Scientific article; Cost: $.50, prepayment required (GA residents include 5% sales tax).

GA12. Georgia: A view from space; An interpretation of Landsat-1 imagery (1976)

A bound volume of selected landsat images with an interpretative geologic sketch map.

*Content: Geophysics/remote sensing; General Public; Text-based: Lay article useful to teachers/Educational leaflet; Teaching Media: Maps, charts, posters; Cost: $1.00, prepayment required (GA residents include 5% sales tax).**

GA13. USGS Maps. U.S. Map 1. Landsat Satellite Imagery Mosaic (1:500,000)(1976)

Statewide map of Georgia in false color infrared delineating topography, land use, water and vegetation.

*Content: Geophysics/remote sensing; General Public; Teaching Media: Maps, charts, posters; Cost: $3.00, prepayment required (GA residents include 5% sales tax).**

GA14. Regional Maps RM-6,7,8, and 9. Satellite Series: Blue Ridge Mts., Coastal Georgia, Cumberland Plateau, and Okefenokee Swamp (1977)

Black and White satellite imagery (1:250,000) of the major regions of Georgia

*Content: Geophysics/remote sensing; General Public; Teaching Media: Maps, charts, posters; Cost: $.50, prepayment required (GA residents include 5% sales tax).**

GA15. Statewide Maps. SM-3 and 5. Geologic Map of Georgia (1:500,000 and 1:2,000,000)(1976 and 1977)

Statewide map of Georgia showing distribution of major rock units and geologic ages.

*Content: Bedrock geology/stratigraphy; General Public; Teaching Media: Maps, charts, posters; Cost: $3.00 and $l.00 each, prepayment required (GA residents include 5% sales tax).**

GA16. Miscellaneous Maps. AAPG-1. Geological Highway Map, Southeast Region. Alabama, Florida, Georgia, Louisiana, Mississippi

Folded highway map showing bedrock geology, mineral collecting localities and historical geological reconstructions. Prepared by AAPG (1975).

*Content: Bedrock geology/stratigraphy, Minerals and rocks; General Public; Teaching Media: Maps, charts, posters; Cost: $3.00, prepayment required (GA residents include 5% sales tax).**

GA17. Statewide Maps. SM-1 and 2. Mineral Resource of Georgia (1:500,000 and 1:2,000,000)(1969)

Statewide map of Georgia showing distribution of major mineral resource types.

*Content: Minerals and rocks; General Public; Teaching Media: Maps, charts, posters; Cost: $5.00 and $.50 each, prepayment required (GA residents include 5% sales tax).**

GA18. Statewide Map. SM-4. Physiographic Map of Georgia (1:2,000,000)(1976)

Statewide map of Georgia showing major physiographic Provinces with a brief description.

*Content: Surficial geology/glacial geology; General Public, Teaching Media: Maps, charts, posters; Cost: $1.00, prepayment required (GA residents include 5% sales tax).**

GA19. USGS Maps. U.S. Map 19. State of Georgia Shaded Relief Map (1:500,000)(1970)

Statewide map of Georgia showing topographic relief with color shading.

*Content: Surficial geology/glacial geology; General Public; Teaching Media: Maps, charts, posters; Cost: $4.00, prepayment required (GA residents include 5% sales tax).**

GA20. USGS Maps. U.S. Map 2. Slope Map of Georgia (1:500,000)(1976)

Statewide map of Georgia showing slope of land surface with different colors.

*Content: Surficial geology/glacial geology; General Public; Teaching Media: Maps, charts, posters; Cost: $.50, prepayment required (GA residents include 5% sales tax).**

GA21. Topographic Maps (1:24,000 and/or 1:62,500)

Selected topographic map sets (either superceded or discontinued issues) for teachers are available on request while supplies last. They illustrate the variety of information which can be portrayed on topographic maps.

Middle (7-9), High School (10-12), Post Secondary, General Public; Teaching Media: Maps, charts, posters; Cost: Free.

GA22. Topographic Map. GGS 50001. Topographic Base Map of Georgia (1:500,000)(1970)

Statewide map showing topographic contours, major roads, county boundaries and county seats.

*General Public; Teaching Media: Maps, charts, posters; Cost: $4.00, prepayment required (GA residents include 5% sales tax).**

GA23. Minerals of Georgia: their properties and occurrences

GA24. The natural environments of Georgia

GA25. Gold in Georgia

GA26. Suggestions to property owners on prospecting and selling mineral deposits

GA27. The Georgia State Museum

GA28. Water. Georgia's unknown natural resource

GA29. The geology of the Sand - Lookout Mountain area. Northwest Georgia

GA30. Geologic guide to Sweetwater Creek State Park

GA31. Geologic guide to Panola Mountain State Park - rock outcrop trail

GA32. Geologic guide to Panola Mountain State Park - watershed trail

GA33. Geologic guide to Stone Mountain Park

GA34. An introduction to caves and caving in Georgia

GA35. Geologic guide to Cumberland Island National Seashore

GA36. Geologic guide to Cloudland Canyon State Park

GA37. Geologic guide to Providence Canyon State Park

GA38. How to mine and prospect for placer gold

GA39. Urban geology field trip, Atlanta, Georgia

GA40. Gold in the Georgia hills

HAWAII GEOLOGICAL SURVEY

Manabu Tagomori
Dept. of Land and Natural Resources
Div. of Water and Land Development
P.O. Box 373
Honolulu, HI 96809
(808) 587-0230; FAX: (808) 587-0283

IDAHO GEOLOGICAL SURVEY

Nola Steuer
Morrill Hall, Room 332
University of Idaho
Moscow, ID 83844-3014
(208) 885-7991; FAX (208) 885-5826

ID01. Books and maps on the geology of Idaho; information service; summer workshops for teachers

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing; Elementary (K-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Fieldtrip guide; Teaching Media: Maps, charts, posters; Service and Outreach: Direct assistance to teachers in classroom, Teacher workshop, Services to teachers and students at Survey office; Cost: write for information.

ID02. Craters of the Moon National Monument, Idaho

ID03. Gold Camps and Silver Cities

ID04. Idaho Earth Science: Geology, Fossils, Climate, Water, and Soils

ID05. Introduction to Idaho Caves and Caving

ID06. Guidebook and road log to the St. Maries River (Clarkia) Fossil Area of Northern Idaho

ID07. Speleography of Papoose Cave, Idaho County, Idaho

ID08. The Academic Preparation of Idaho's Earth Science Teachers, 1983-94 School Year

ID09. Geonotes (one-page leaflets)

Asbestos: Uses and Hazards
Borah Peak Earthquake
The Academic Preparation of Earth Science Teachers, 1983-84 School Year
The Fabulous Coeur d'Alene Mining District
Idaho's Phosphate Industry
Geology of Palouse
Earthquake Safety
Directory of Research and Academic Geology Faculty in Idaho
Snake River Plain Aquifer: Idaho's Hidden Gem
Geology of Scenic Jarbridge Canyon near Murphy Hot Spring, Idaho
A Century of Mining in the Greater Coeur d'Alene Mining Region
The Fabulous Coeur d'Alene Mining District - 1993 Update
Walking Field Trip in the Tubbs Hill Mylonites, Coeur d'Alene, Idaho
Glacial Lake Missoula and the Spokane Floods

ID10. Videotapes

Developments in Minerals, Mining, and Energy in Idaho for 1981
A Hundred Years of Mining in the Coeur d'Alene District

ILLINOIS STATE GEOLOGICAL SURVEY

Wayne T. Frankie
615 E. Peabody Drive
Champaign, IL 61820-6964
(217) 244-2427; FAX (217) 244-7004

IL01. Resources for Teaching Geology

This flyer is a listing of educational materials suitable for K-12 or reference use. Includes list and

descriptions of publications, maps, geologic field trip guidebooks, and explains services of the Education Extension Unit.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12) teachers, Post Secondary teachers; Text-based: List of references and resources for teachers, Fieldtrip guide, Other: Catalog; Service and Outreach: Services to teachers and students at Survey office; Cost: Free.

IL02. Guide for Beginning Fossil Hunters.

Non-technical introduction to the state's fossils; written by Charles W. Collinson.

Content: Fossils; Elementary (K-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Lay article to teachers/Educational leaflet; Cost: $2.00, credit cards accepted.

IL03. Guide to Rocks and Minerals of Illinois.

Non-technical introduction to the state's rocks and minerals; written by Charles W. Collinson.

Content: Minerals and rocks; Elementary (K-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Lay article useful to teachers/Educational leaflet; Service and Outreach: Direct assistance to teachers in classroom, Teacher workshop, Services to teachers and students at Survey office; Cost: $2.00, credit cards accepted.

IL04. Guide to Pennsylvania Fossil Plants of Illinois.

Non-technical introduction to the state's Pennsylvania Fossil Plants; written by James R. Jennings

Content: Fossils; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Lay article useful to teachers/Educational leaflet; Service and Outreach: Direct assistance to teachers in classroom, Services to teachers and students at Survey office; Cost: $2.75, credit cards accepted.

IL05. GEOGRAMS generally single-sheet, single concept articles

1. A Desk-Top Mapping Game, 2. Erratics are Erratic, 3. Geology in Your Home, 4. When the Earth Shakes in Illinois, 5. Ancient Dust Storms in Illinois, 6. Do you Live Above an Underground River?, 7. How Earthquakes Are Measured, 8. An Early Inhabitant of Illinois--The Trilobite, 9. Fluorite: Illinois' State Mineral, 10. Illinois' State Fossil: Tullimonstrum gregarium, 11. Geodes: Small Treasure Vaults in Illinois

Content: Minerals and rocks, Fossils, Hydrogeology, Engineering geology/geologic hazards, Geophysics/remote sensing; Elementary (K-3) teachers, (4-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Lay article useful to teachers/Educational leaflet; Cost: $.10 each, complete set $1.00, credit cards accepted.

IL06. Handbook of Illinois Stratigraphy.

Technical description of the rock units within Illinois by H.B. William and others, 1975

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Scientific article; Cost: $4.75, credit cards accepted.

IL07. Miscellaneous Education Note Sets and Publications.

Collection of non-technical materials covering a variety of subjects with illustrations. Suitable as introductory and enrichment materials for junior and senior high school students. EDX: Depositional History of the Pennsylvanian Rocks in Illinois (1973, revised 1979 - $.50), EDX: Pleistocene Glaciations in Illinois (1973, revised 1988 - $.50), EDX: Zinc-lead Deposits of Northwestern Illinois (1965, revised 1971 - $.50), EDX: Guide to the Use of Illinois Topographic Maps, by W.E. Cote (1972, revised 1978 - $1.00)

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Others: Topographic maps; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Service and Outreach: Direct assistance to teachers in classroom, Services to teachers and students at Survey office; Cost: $.50-1.00, credit cards accepted.

IL08. Professional Geologic Maps. Geologic Map of Illinois (scale

1:500,000, 1 in. = 8 miles).

Shows bedrock formations that occur below the mantle of surface materials. Includes generalized columnar sections for northern and southern Illinois, and cross sections illustrating the geologic structure of the state (40 by 56 in.). Also published as a postcard.

Content: Bedrock geology/stratigraphy; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Teaching Media: Maps, charts, posters; Cost: $3.00, Postcard ($.35 each or three for $1.00), credit cards accepted.

IL09. Professional Geologic Maps. Quaternary Deposits of Illinois (scale 1:500,000, 1 in. = 8 miles).

Shows the nature and distribution of surface and near-surface deposits. Also included are diagrammatic cross sections showing stratigraphic relationships of Wisconsinan and Illinoian glacial units, a table of stratigraphic names, and three small maps showing bedrock geology, bedrock surface topography, and thickness of Pleistocene deposits (40 by 57 in.). Also published as a postcard.

Content: Surficial geology/glacial geology; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Teaching Media: Maps, charts, posters; Cost: $3.00, postcards ($.35 each, or three for $1.00), credit cards accepted.

IL10. Professional Geologic Map. Coal Industry in Illinois, 1984 (scale 1:500,000; 1 in. = 8 miles).

Shows mined out areas, surface and underground mines, coal-loading facilities, coal-burning power plants. Inset tables provide data on each mine active in 1984 (30 by 52 in.).

Content: Economic geology/petroleum; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Teaching Media: Maps, charts, posters; Cost: $3.00, credit cards accepted.

IL11. Professional Geologic Maps. Oil and Gas Industry in Illinois (1977) (scale 1:500,000; 1 in. = 8 miles).

Shows oil fields, pipelines, refineries, natural gas storage fields, terminals (30 by 51 in.).

Content: Economic geology/petroleum; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Teaching Media: Maps, charts, posters; Cost: $2.00, credit cards accepted.

IL12. Professional Geologic Maps. Landforms Map of Illinois (scale 1:1,000,000; 1 in = 16 miles).

Black and white sketches of the state's principal relief features (stream valleys and divides, glacial moraines), county lines, and major towns (17 by 27 in.).

Content: Surficial geology/glacial geology; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Teaching Media: Maps, charts, posters; Service and Outreach: Direct assistance to teachers in the classroom; Cost: $.25, credit cards accepted.

IL13. Professional Geologic Maps. Base Map of Illinois (scale 1:500,000; 1 in = 8 miles).

Planimetric or topographic edition (specify). County and township lines, towns, railroads, rivers and lakes. Topographic contours on 200-foot interval. Published by U.S. Geological Survey (32 by 54 in.).

Content: Other: Base map; Elementary (K-3) teachers, (4-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Teaching Media: Maps, charts, posters; Cost: $4.00, credit cards accepted.

IL14. Professional Geologic Maps. Satellite Image Map of Illinois (scale 1:500,000; 1 in. = 8 miles).

Imagery from the LANDSAT 4 spacecraft orbit, approximately 700 km (438 mi) above Earth's surface in October 1982. Detailed four-color map uses infrared false-color imagery to show contrast between vegetation, soil, and water. A booklet, "Illinois from Outer Space," accompanies the map and explains how to interpret the colors (38 by 52 in.).

Content: Geophysics/remote sensing; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Teaching Media: Maps, charts, posters; Cost: $4.00, credit cards accepted.

IL15. Geological Science Field Trips

The Survey conducts four field trips per year, which are free and open to the general public. A schedule is free on request. Past field trip guide leaflets are available, write for a list. The guides include road logs and descriptions of the geology of the field trip.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; Text-based: Fieldtrip guide;

Service and Outreach: Direct assistance to teachers in classroom, Services to teachers and students at Survey office; Cost: Write for information.

IL16. Industrial Minerals and Metals of Illinois

IL17. Fossil Peat from the Illinois Basin: a Guide to the Study of Coal Balls of Pennsylvanian Age

IL18. Illinois Caves, Mississippian Deposition

IL19. Geological Science Field Trips (including guide leaflets): 90 guide leaflets available

IL20. Mini-Map Set (8 one-page maps of various kinds)

IL21. The Great Flood of 1993: Geologic Perspectives on the Flooding along the Mississippian River and its Tributaries in Illinois

IL22. Seismicity of Illinois

IL23. Landslide Inventory of Illinois

IL24. Mine Subsidence in Illinois: Facts for Homeowners

IL25. Earthquakes in the Illinois Area (sheets)

INDIANA GEOLOGICAL SURVEY

Jeff Kirby
Education Specialist
Indiana Geological Survey
611 N. Walnut Grove
Bloomington, IN 47405
(812) 855-7636; FAX (812) 855-2862

IN01. Rock, Mineral, Fossil Specimen Identification

Content: Minerals and rocks, Fossils; Elementary (K-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Service and Outreach: Services to teachers and students at Survey office; Cost: Free to educators, Specimens may be mailed or brought in to the office.

IN02. Geology Building Tour

Tours include presentations on geologic topics requested by teachers and include stops within the Indiana Geological Survey and the Indiana University Department of Geological Sciences.

Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12) teachers, Post Secondary teachers, General Public; Service and Outreach: Services to teachers and students at Survey office; Cost: Free to educators.

IN03. Classroom Lectures

Presentations are made on topics chosen by requesting teacher.

Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12) teachers; Service and Outreach: Direct assistance to teachers in classroom; Cost: Free to educators.

IN04. Indiana Rock Set

Set includes specimens of limestone, chert, sandstone, shale, dolomite, and gypsum. Also included are a map showing where each specimen was collected, a geologic map of Indiana, a geologic timescale showing rock and fossil types found in Indiana, and descriptions of rock type.

Content: Minerals and rocks; Elementary (K-3) teachers, Middle (7-9) teachers, High School (10-12) teachers; Teaching Media: Manipulables; Cost: Free to educators.

IN05. Our Hoosier State Beneath Us

A set of 155 leaflets with illustrations and text that cover a wide variety of topics associated with the geology of Indiana.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12) teachers;

Middle (7-9) teachers, High School (10-12) teachers; Text-based: Lay article useful to teachers/Educational leaflet; Cost: $8.00, add $1.50 for postage and handling.

IN06. Educational Publications

Maps, booklets, magazine article reprints, etc.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; Elementary (K-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Lay article useful to teachers/Educational leaflet, Scientific article, Fieldtrip guide; Teaching Media: Maps, charts, posters; Cost: cheap/some free.

IN07. Rock, Mineral, and Fossil Collecting in Indiana

IN08. Map of Indiana Showing Physiographic Units (8 1/2 x 11)

IN09. Map of Indiana Showing Geologic Provinces and Major Faults (8 1/2 x 11)

IN10. Map of Indiana Showing Glacial Deposits (8 1/2 x 11)

IN12. Indiana Limestone: a World-Class Building Stone (pamphlet)

IN13. Minerals of Indiana

IN14. Let's Look at Some Rocks

IN15. Fossils: Prehistoric Animals in Hoosier Rocks

IN16. Pages of the Geologic Past of Marion County

IN17. Halite - Salty Mystery of Life

IN18. Gold and Diamonds - an Update

IN19. The Indiana Dunes - Legacy of Sand

IN20. Geologic Story of Pokagon State Park. Legacy of Indiana's Ice Age

IN21. Geologic Story of Clifty Falls State Park

IN22. Geologic Story of McCormicks Creek State Park

IN23. Geologic Story of Shades State Park

IN24. Geologic Story of Turkey Run State Park

IN25. Geologic Story of Versailles State Park

IN26. Geologic Story of Spring Mill State Park

IN27. Geologic Story of Indiana Dunes State Park

IN28. Geologic Story of Brown County State Park

IN29. Geologic Story of Chain O'Lakes State Park

IOWA GEOLOGICAL SURVEY

Donald L. Koch
Iowa Department of Natural Resources
109 Trowbridge Hall
Iowa City, IA 52242-1319
(319) 335-1575; FAX: (319) 335-2754

IA02. Iowa Geology 1993 (booklet), includes:

Wetlands, Their Geological Connection
Global Geologic Phenomena and their Effects in Iowa
Uses of Geologic Materials by Prehistoric Cultures
Fossils
Meteorites in Iowa's History
Aquatic Life and Cold-Water Stream Quality
The Fickle Nature of Iowa's Water Supply
Environmental Concerns...Geological Survey Evaluations
Comment on Current Events

IA03. Sheets

Revised Stratigraphic Column of Iowa
Describing a Location by Use of Government Land Divisions
Maquoketa Caves
Physiography of Iowa
Geodes
Fossil Collecting Areas in Iowa
Rocks and Minerals of Iowa
Rock and Mineral Collecting Areas in Iowa
Shaded Drainage Map of Iowa
Economic Geology of Iowa's Rock Materials
Relief Map of Iowa (Inc. explanation)
Quaternary Terrain and Materials in Iowa map
Redrock of Iowa map
Gold in Iowa

IA04. A Visitor's Guide to Geologic Features at the Coralville Lake Emergency Spillway

IA05. A Visitor's Guide to Geologic Features at the Saylorville Lake Emergency Spillway

KANSAS GEOLOGICAL SURVEY

Rex Buchanan
Publications Sales
Kansas Geological Survey
University of Kansas
Lawrence, KS 66047
(913) 864-3965; FAX: (913) 864-5317

KS01. Guidebook-24th Annual Meeting, Midwestern Friends of the Pleistoncene (Meade County, Kansas)

Educational and informative guidebook of Pleistocene geology presenting the faunal views of Dr. Claude Hibbard. This booklet concentrates on Meade County, Kansas in southwestern Kansas. Roadlog and checkpoints are included. The Guidebook is by C.K. Bayne, J. Boellstorft, and B. Miller.

Content: Surficial geology/glacial geology, Fossils; Post Secondary; Text-based: Fieldtrip guide; Cost: $10.00, prepayment required, credit cards accepted.

KS02. Geologic highway map of Kansas

A 37x24 inch map of Kansas highways superimposed over a geologic map of Kansas (scale 1:1,000,000). Flip side is a satellite photomap of Kansas, also 1:1,000,000 scale. A listing of educational resources in the state is included. Published by Western Geographics.

Content: Surficial geology/glacial geology; Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: List of references and resources for teachers; Teaching Media: Maps, charts, posters; Cost: $5.00, prepayment required, credit cards accepted.

KS03. List of earthquake intensities for Kansas, 1867-1977

Chronological listing of twenty-five earthquakes occurring in Kansas between 1867 and 1977. Describes effects of quakes by using local reports. Uses Modified Mercelli Scale. The listing is by S.M. DuBois and F.W. Wilson.

Content: Engineering geology/geologic hazards; Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Scientific article; Cost: $10.00, prepayment required, credit cards accepted.

KS04. Kansas Geology: An introduction to landscapes, rocks, minerals, and fossils

An introductory survey of Kansas geology. Includes sections on landscape features along I-70, geological

and natural surface features, and common fossils and their locations throughout Kansas. A rocks and minerals identification key is also included. This introductory is edited by R. Buchanan.
Content: Surficial geology/glacial geology, Minerals and rocks, Fossils; Elementary (4-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers; Cost: $17.95, prepayment required, credit cards accepted.

KS05. Earthquakes

General overview of the nature of earthquakes where they occur world-wide and in Kansas. Also brief explanation on seismology information including the Richter and Modified Mercalli scales.
Content: Engineering geology/geologic hazards; Middle (7-9), High School (10-12), General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: Free.

KS06. Twenty Kansas rocks and minerals

Boxed collection of twenty indigenous rocks and minerals of Kansas. Includes a sample of chalk, the unofficial rock of Kansas. Suitable for gift-giving.
Elementary (K-3) teachers, Middle (7-9), High School (10-12), General Public; Teaching Media: Mineral kits; Cost: $4.00, prepayment required, credit cards accepted.

KS07. Guidebook-Upper Pennsylvanian cyclotemic limestone facies in eastern Kansas

Guidebook beginning at Kansas City International Airport through eastern Kansas visiting exposures of Upper Pennsylvanian (Missourian) limestones. Particular attention is paid to vertical and lateral facies changes in southeastern Kansas. The Guidebook is by P.H. Heckel.
Content: Surficial geology/glacial geology; Post Secondary; Text-based: Fieldtrip guide; Cost: $10.00, prepayment required, credit cards accepted.

KS08. Guidebook-Upper Cretaceous stratigraphy and depositional environments of western Kansas

Guidebook exploring fossil-laden Upper Cretaceous rocks in Western Kansas. Describes selected marine and nonmarine depositional environments. The Guidebook is by D.E. Hattin and C.T. Siemers.
Content: Surficial geology/glacial geology, Fossils; Post Secondary, General Public; Text-based: Fieldtrip guide; Cost: $10.00, prepayment required, credit cards accepted.

KS09. Roadside Kansas: A traveler's guide to its geology and landmarks

Travel guide to nine major highways across Kansas locating and describing points of interests. Travel guide is by R.C. Buchanan and J. McCauley, Photographs by John R. Charlton.
Content: Surficial geology/glacial geology; Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Fieldtrip guide; Cost: $9.95, prepayment required, credit cards accepted.

KS10. Kansas ground water

Overview of groundwater in Kansas. Emphasis on the scientific and regulatory agents of groundwater. Includes a glossary of technical terms and a list of water agencies and their responsibilities. The Overview is by R. Buchanan and R.W. Buddemeiser.
Content: Hydrogeology; Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: $5.00, prepayment required, credit cards accepted.

KS11. Guidebook-Pennsylvanian cyclic platform deposits of Kansas and Nebraska

Guidebook to cyclic deposits in Kansas and Nebraska. All emphasize interpretative stratigraphic and possible environmental interpretations. Other highlights include fossil hunting and special environments. Guidebook by P.H. Heckel, L.L. Brady, W.J. Ebanks, Jr., and R.K. Pabian.
Content: Surficial geology/glacial geology; Post Secondary; Text-based: Scientific article; Cost: $10.00, prepayment required, credit cards accepted.

KS12. Regional geology and paleontology of Upper Paleozoic Hamilton quarry area in southeastern Kansas

Guidebook contains a comprehensive preliminary description of fossil plants, fossil animals, and geology of the carboniferous fossil deposits in the Hamilton Quarry located in Greenwood County, Kansas. Also includes reports on the geology, invertebrate paleontology, vertebrate paleontology, plant paleontology and Pennsylvanian assemblages

comparisons with contemporary assemblages. The Guidebook is edited and compiled by G. Mapes and R. Mapes.
Content: Surficial geology/glacial geology, Fossils; Post Secondary; Text-based: Scientific article, Fieldtrip guide; Cost: $25.00, prepayment required, credit cards accepted.

KS13. Caves in Kansas

Guide to various types of caves in Kansas. Cave formation is discussed, although exact cave locations are not given. The Guide is by J. Young and J. Beard.
Content: Other: Speleology; Middle (7-9), High School (10-12), General Public; Text-based: Background descriptive materials developed for teachers, Lay article useful to teachers/Educational leaflet; Cost: $7.50, prepayment required, credit cards accepted.

KS14. Quaternary environments of Kansas (guidebook for the 33rd field conference of the Midwest Friends of Pleistocene)

Focuses on glacial terminus area and late Pleistocene-Holocene alluvial fills in northeastern Kansas. An interdisciplinary approach utilizing research from the departments of geography, geology, botany, and anthropology. Guidebook is edited by W.C. Johnson.
Content: Surficial geology/glacial geology, Fossils; High School (10-12) teachers, Post Secondary; Text-based: Scientific article; Cost: $10.00, prepayment required, credit cards accepted.

KS15. Geologic map of Kansas

Geologic map of Kansas, sheet size 64x40 inches, scale 1:500,000. Compiled by J.A. Ross with assistance from M.K. Wong, H.M. Chyn, R.K. Wong, D.S. Kirshen, W.K. Wong, D.R. Collins, C. Ross, and L. Brady.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology; Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Teaching Media: Maps, charts, posters; Cost: $20.00, prepayment required, credit cards accepted.

KS16. Kansas geomaps

Collection of fourteen maps, each illustrative of geologic and geographic variations in Kansas. Maps by D.W. Steeples and R. Buchanan.
Content: Surficial geology/glacial geology, Engineering geology/geologic hazards; Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Teaching Media: Maps, charts, posters; Cost: $5.00, prepayment required, credit cards accepted.

KS17. A guide to finding Kansas maps

Comprehensive digest arranged by category to aid in locating sources of Kansas maps. Source agencies, their addresses, and phone numbers are included. The guide was compiled by C.S. Evans.
Content: Minerals and rocks, Fossils; Elementary (K-3) teachers, (4-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Teaching Media: Maps, charts, posters; Cost: $5.00, prepayment required, credit cards accepted.

KS18. Petroleum: a primer of Kansas

Non-technical account of the oil and gas in Kansas. Contents include exploration, drilling, seismic reflection prospecting, and subsurface geology. A glossary of technical terms is included. This publication is by D.L. Baars, W.L. Watney, D.W. Steeples, and E.A. Brostuen.
Content: Economic geology/petroleum; Middle (7-9) teachers, High School (10-12), General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: $5.00, prepayment required, credit cards accepted.

KS19. From sea to prairie: a primer of Kansas geology

A simple and direct description of geologic and geographic formations in Kansas. Includes discussions on sedimentary, metamorphic, and igneous rocks. Aimed at student audiences between K-12. This publication is by C.S. Evans.
Content: Surficial geology/glacial geology, Minerals and rocks, Fossils; Elementary (4-6) teachers, Middle (7-9), General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: $5.00, prepayment required, credit cards accepted.

KS20. Kansas clays for the ceramic hobbyist

Written in dialogue format, this publication answers common questions about finding, testing, and using clays found in Kansas. Non-technical. This publication is by D.A. Grisafe and M. Bauleke.
Content: Economic geology/clay minerals; Middle (7-9) teachers, High School (10-12), General Public; Text-based: Textbook/handbook/laboratory manual/teacher manual; Cost: $5.00, prepayment required, credit cards accepted.

KS21. Kansas rocks and minerals

Non-technical descriptions of various rocks and minerals of Kansas. Illustrations supplement the descriptions for easy identification of any outing. This publication is by L.L. Tolsted and A. Swineford.

Content: Minerals and rocks; Middle (7-9) teachers, High School (10-12), General Public; Text-based: Textbook/handbook/laboratory manual/teacher manual; Cost: $3.00, prepayment required, credit cards accepted.

KS22. Ancient life found in Kansas rocks (common fossils of Kansas)

An introduction to many of the common fossils found in Kansas, ranging from Pennsylvanian plant life to Mastodon molars. This publication is by P.B. Williams.

Content: Fossils; Elementary (4-6) teachers, Middle (7-9), High School (10-12), General Public; Text-based: Background descriptive materials developed for teachers; Cost: $5.00, prepayment required, credit cards accepted.

KS23. Kansas landscapes: a geologic diary

Non-technical geological sampler of the major surficial rock systems in Kansas. Examines and describes the development of the twelve surface physiographic regions. This publication is by F.W. Wilson.

Content: Surficial geology/glacial geology; Middle (7-9) teachers, High School (10-12), General Public; Text-based: Background descriptive materials developed for teachers; Cost: $5.00, prepayment required, credit cards accepted.

KS24. Land of the Post Rock: Its Origins, History, and People

Weaves together the geography, geology, history, and folklore of the post-rock story. It is a wonderful tribute to the spirit of the pioneer settler, and a major contribution to the preservation of the post-rock landscape and heritage. This publication is by G. Muilenburg and A. Sineford; published by University of Kansas Press.

Content: Surficial geology/glacial geology; High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: $9.95, prepayment required, credit cards accepted.

KS25. Fossil Collecting in Kansas

KS26. Lawrence to Kansas City road log, including a discussion of the downtown underground limestone mine in Kansas City, Missouri

KS27. Field trip through the geology of northeastern Kansas

KS28. Field trip to the Kansas Cretaceous

KS29. The Dakota Formation (Cretaceous) in central Kansas: field trip guidebook

KS30. Douglas County/Johnson County field trip for the Kansas Association of Earth Science Teachers

KS31. Red Hills field trip

KS32. Guidebook for the Lawrence/Kansas City field trip

KS33. Guidebook, third annual 4H state geology field trip, June 11-13, 1993

KS34. Fall field trip to Ross Natural History Reservation and Lake Kahalo, Flint Hills region

KS35. Fall field trip to the natural areas of southeast Kansas

KS36. Abandoned pits and quarries in Kansas

KS37. Geothermal resources of Kansas, map showing areas of geothermal resource potential

KS38. Physiographic map of Kansas

KS39. Oil and gas map of Kansas

KS40. Surface features of Kansas

KS41. Kansas mineral products map

KS42. General availability of ground water and normal annual precipitation in Kansas

KS43. Geologic timetable

KS44. Kansas geology - an introduction to landscapes, rocks, minerals, and fossils

KS45. Cheyenne Bottoms - an environmental assessment

KS46. Paleontological collecting in Kansas

KS47. The public land survey system in Kansas: a brief historical review

KS48. Kansas Geological survey and U.S. Fish and Wildlife Service study of the Quivira National Wildlife Refuse: a view of progress and work ahead

KS49. Ecology and hydrogeology of the Kansas Ecological Reserves and the Baker University Wetlands

KS50. Earth Resources, public information, and education: the issue

KS51. Earth resources and society

KS52. Earth resources and our environment: resource and policy problems

KENTUCKY GEOLOGICAL SURVEY

Donald C. Haney
228 M.M.R.B.
University of Kentucky
Lexington, KY 40506-0107
(609) 257-5500

KY01. Kentucky Geological Survey Public Information

Kentucky Geological Survey does not have a formal educational program for geosciences. However, Kentucky Geological Survey is quite active in providing assistance to primary and secondary schools, and to Universities, for geoscience education. We have occasionally given continuing ed courses for teachers and industry.

Content: Bedrock geology/stratigraphy, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology; Elementary (K-3), Middle (7-9), High School (10-12), General Public; Text-based: Background descriptive materials developed for teachers, Lay article useful to teachers/Educational leaflet, Scientific article, Fieldtrip guide; Service and Outreach: Direct assistance to teachers in classroom; Cost: Free to educators.

KY02. Barite deposits of Kentucky County reports (various)

KY03. Geology of the Natural Bridge State Park Area

KY04. Behind the Scenery in Kentucky

KY05.The Geologic Story of Diamond Caverns

KY06. Geology of the Mammoth Cave National Park area

KY07. Kentucky's Rocks and Minerals

KY08. Geology of the Cumberland Falls State Park area

KY09. Geology of the Carter and Cascade Caves area

KY10. The Geologic Story of Bernheim Forest

KY11. Scenic Geology of Pine Mountain in Kentucky

KY12. Topography of Kentucky

KY13. The Geologic Story of Kentucky

KY14. Caves and karst of Kentucky

KY15. Guide to "Progression of Life" with Notes on the History of Life in Kentucky

KY16. Fossil beds of the Falls of the Ohio

KY17. The Citizen's Guide to Geologic Hazards (AIPG)

KY18. General Kentucky Maps

Base maps of Kentucky (variety of scales)

Geologic maps of Kentucky (variety of scales)

Physiographic diagram of Kentucky (page size)

KY19. Commodity Maps and Reports

Clay, coal, fluorspar, groundwater, oil and gas

Kentucky coal facts, 1991-92 pocket guide

LOUISIANA GEOLOGICAL SURVEY

Bradford Hanson
P.O. Box G-LSU
Baton Rouge, LA 70893
(504) 388-5320; FAX (504) 388-5328

LA01. Groundwater Workshop

Examine groundwater -- What it is, how it behaves, how to contaminate/protect it, where in LA it is. Also examine environmental issues such as waste disposal, vulnerability, recharge.

Content: Hydrogeology, Environmental geology; High School (10-12) teachers; Service and Outreach: Direct assistance to teachers in classroom, Speakers bureau; Teacher workshop.

LA02. Shallow Aquifers in Louisiana

Technical training and environmental workshop for non-geologists working in regulatory field where minimal knowledge regarding aquifer concepts, dynamics, and interpretational criteria would improve staff performance. 8-hour interactive course; upon request.

Content: Hydrogeology, Other: geology, stratigraphic interpretation of shallow aquifers; Target audience: Regulatory staff with no geological knowledge; Manual provided, full references, maps, descriptive illustrations; Instructor availability upon request.

LA03. Environmental Geology and Hydrogeology For the Non-geologist

Short course developed for Professional Environmental Program working in environmental field. Terminology, definitions, concepts and groundwater dynamics discussed. 30-hour interactive course; upon request.

Content: Other: Introduction, groundwater basics, dynamics, Louisiana aquifers, water quality, case studies, contaminant transport and modeling, remediation technologies, regulatory process; Guest speakers; Manual, class notes, full references, maps, illustrations provided; Exam.

LA04. List of Publications

A List of Publications, updated regularly, provides a list of all maps, reports, and other printed material available through the survey. Free.

LA05. Guest Lecturer Series

Staff available for lectures, instruction, workshop participation on a variety of topics ranging from energy and mineral exploration to environmental and coastal land loss.

LA06. Integrating Math and Science To Improve Teacher Skills (Proposed)

Proposed four-year summer teacher enhancement summer program to provide middle school physical and general science teachers with content

development and laboratory experience to develop student-active exercises. Multi-year program; in-state teacher stipend provided; no cost to out-of-state educators; registration required.
Content: Other: Interdisciplinary integration of mathematical and scientific disciplines; lecture and laboratory instruction; topics include energy, environment, and geology. Multifaceted team approach, guest lecturers, in-service during academic year, followup workshop. Manual, class notes, full references, list of resources, maps, illustrations provided; teacher-scientist partnerships.

MAINE GEOLOGICAL SURVEY

Woodrow Thompson
State House Station #22
Augusta, ME 04333
(207) 287-2801; FAX (207) 287-2353

ME01. The Maine Geological Survey

provides personnel support, resources and curriculum materials for Maine teachers. These materials include an Activity Book, collections of Maine rocks and minerals, video tapes, field site guidebook, and a poster of Maine geologic history. Most materials are geared for middle and high school level.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Engineering geology/geologic hazards, Geologic principles/processes, Other: Marine and Coastal geology; Elementary (4-6), Middle (7-9), High School (10-12), Post Secondary students, General Public; Text-based: Background descriptive materials developed for teachers, Textbook/handbook/laboratory manual/teacher manual, List of references and resources for teachers, Fieldtrip guide; Teaching Media: Audio-visual (VHS), Maps, charts, posters, Mineral kits; Service and Outreach: Teacher workshop, Services to teachers and students at Survey office, Cooperative programs for development of educational and teaching methods; Cost: Free to educators.

ME02. The Geology of Sebago Lake State Park

ME03. The Geology of Mount Blue State Park

ME04. The Geology of Mount Desert Island - a Visitor's Guide to the Geology of Acadia National Park

ME05. A Collector's Guide to Maine Mineral Localities

ME06. Living with the Coast of Maine

ME07. The Geology of Maine's Coastline

ME08. Maine's Intertidal Habitats

ME09. Mining in Maine: past, present, and future

ME10. Information Leaflets

Aquifers in Maine
Bedrock Geology
Earthquakes in Maine
Gold in Maine
Mineral Collecting in Maine
Mineral Exploration and Mining on State Lands
Pertica quadrifaria: Maine's State Fossil
Surficial Geology
Tourmaline: Maine's State Mineral

MARYLAND GEOLOGICAL SURVEY

Kenneth A. Schwarz
2300 St. Paul Street
Baltimore, MD 21218-5210
(410) 554-5525; FAX (410) 554-5502
e-mail: publications@mgs.dnr.md.gov

MD01. List of Publications

The List of Publications is updated annually and lists all the maps, reports, and other printed material available free or at the indicated cost of each.
Content: Bedrock geology/stratigraphy, Surficial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; Elementary (4-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: List of references and resources for

teachers; Cost: Free.

MD02. Various pamphlets

Pamphlets have information on:

Building Stones of Maryland
Calvert Cliffs
Earthquakes and Maryland
Geology of the Sideling Hill Road Cut
Gold in Maryland
Miocene Sharks Teeth of Calvert County
Radon and Your Home
Factsheets

Content: Bedrock geology/stratigraphy, Minerals and rocks, Fossils, Engineering geology/geologic hazards, Geologic principles/processes; Elementary (4-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: Free.

MD03. Geologic and topographic maps

Compilation of geologic and topographic maps and map products thereof of Maryland is a primary mission of the Survey, both at county (1:62,500) and at quadrangle scale (1:24,000). Map products include Historic Shoreline and Erosion Rate Maps, Mineral Resource Investigation Maps, Slope Maps, County Atlases, and Miscellaneous Maps

Content: Bedrock geology/stratigraphy, Surficial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; Elementary (4-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Teaching Media: Maps, charts, posters; Cost: $.25 - $20.00, prepayment required, no credit cards.

MD04. Reports and other printed material

Reports and other printed material focus on data collected and/or analyzed and/or conclusions reached as a result of these investigations. There are 15 different categories of reports and printed material, some very technical, other geared for public interest.

Content: Bedrock geology/stratigraphy, Surficial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; Elementary (4-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, Scientific article, Textbook/handbook/laboratory manual/teacher manual, List of references and resources for teachers; Cost: $.25 - $29.00, prepayment required, no credit cards.

MD05. A Collection of Rocks and Minerals of Maryland (Educational Series No. 7)

This is a collection of 18 rock and mineral specimens from Maryland. Specimens average more than 1 inch in size and include representative specimens of igneous, metamorphic and sedimentary rocks. Set comes with a booklet describing each specimen and showing geographic locations where samples were collected.

Content: Minerals and rocks; Elementary (4-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers; Teaching Media: Mineral kits; Cost: $15.00/set, add $4.00 for mailing, prepayment required, no credit cards.

MD06. Lectures, field trips, etc.

Several members of the geologic staff are willing to provide or share participation in lectures on various geologic topics centered on Maryland geology (on a time available basis). Topics and levels of detail can be adjusted to suit the class. Rarely, field trips are conducted for limited participation on special occasions.

Content: Bedrock geology/stratigraphy, Surficial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; Elementary (K-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Service and Outreach: Direct assistance to teachers in classroom, Speakers bureau, Services to teachers and students at Survey office.

MD07. Caves of Maryland

Cost: $10

MD08. Collecting Fossils in Maryland

Cost: $3

MD09. Minerals of the Washington, D.C. Area

Cost: $5

MD10. Dinosaurs in Maryland
Cost: $3

MD11. Postcards
Postcard Geologic Map of Maryland - $.25
3 Postcards of Sideling Hill Roadcut (Different Views) - $.25 each

MASSACHUSETTS GEOLOGICAL SURVEY

Richard N. Foster
Executive Office of Environmental Affairs
100 Cambridge Street
Boston, MA 02202
(617) 727-5830; FAX: (617) 727-2754

MICHIGAN GEOLOGICAL SURVEY

Waterloo Recreation Area/Gerald E. Eddy Geology Center
16345 McClure Road
Chelsea, MI 48118
(517) 475-3170

MI01. Gerald E. Eddy Geology Center
The Center, operated by the Parks and Recreation Division of the Department of Natural Resources, introduces visitors to the science of geology. It features Michigan rocks, fossils, minerals, crystals, glacial information, prehistoric to modern mining, and Native American stone tools. Displays, hands-on exhibits, classrooms and nature trails.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Environmental geology, Geologic principles/processes; Elementary (K-6), Middle (7-9), High School (10-12), General Public; Service and Outreach: Speakers bureau, Other: Docent usually available on-site - groups call ahead; Cost: $18.00 for annual or $4.00 for daily state park private auto sticker.

Ronda Heinritz
Maps and Publications
P.O. Box 30256
Lansing, MI 48909-7756
(517) 334-6943: FAX (517) 334-6038

MI02. Maps and Publications List
Complete listing of books, maps, posters, and reports to various subjects relating to Michigan Geology. USGS topographic maps at three different scales are also available.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Geologic principles/processes; Elementary (K-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, Scientific article, List of references and resources for teachers; Teaching Media: Maps, charts, posters; Service and Outreach: Services to teachers and students at Survey office, Internet bulletin board; Cost: Catalog is free as well as topographic quadrangle location map.

MI03. The Glacial Lakes Around Michigan

MI04. Meteorites of Michigan

MI05. Mineralogy of Michigan

MI06. Seismic Disturbances of Michigan

MI07. Douglass Houghton. Michigan's First State Geologist 1837 -1845

MI08. Collecting Rocks, Minerals, and Fossils in Michigan

MI09. Michigan's Sand Dunes

MI10. Michigan Fossils Poster

MI11. Prehistoric Mackinac Island

MI12. Bedrock Geology of Michigan (sheet)

MI13. Stratigraphic Succession in Michigan (sheet)

MI14. Quaternary Geology of Michigan

(sheet)

MI15. Michigan's Copper Country

MI16. Michilogic Time Line

MINNESOTA GEOLOGICAL SURVEY

Lori Day
Maps and Publication Sales
2642 University Avenue
St. Paul, MN 55114-1057
(612) 627-4782; FAX (612) 627-4778
e-mail: Mgs@gold.tc.umn.edu

MN01. Guide to mineral collecting in Minnesota (2nd revised ed)

Educational Series No. 2

Content: Minerals and rocks; Elementary (K-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Service and Outreach: Speakers bureau; Cost: $1.00, add $1.00 for shipping for every 2 items ordered, prepayment required (MN residents include sales tax).

MN02. Bedrock geologic map of Minnesota

Postcard, color, 6 1/8 x 8 3/4".

Content: Bedrock geology/stratigraphy; High School (10-12), Post Secondary, General Public; Teaching Media: Maps, charts, posters; Cost: $.65, add $1.00 for shipping for every 2 items ordered, prepayment required (MN residents include sales tax).

MN03. Minnesota Geological Survey Newsletter

Published on an irregular basis.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing; Post Secondary, General Public; Cost: Free.

MN04. Minnesota at a glance: Quaternary glacial geology

Single sheet, 8 1/2 x 11 inches.

Content: Surficial geology/glacial geology; Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: $1.00 for postage.

MN05. Geologic map of Minnesota, bedrock geology

State Map Series No. 19, color, scale 1:3,000,000.

Content: Bedrock geology/stratigraphy; High School (10-12), Post Secondary, General Public; Teaching Media: Maps, charts, posters; Cost: $1.00, order flat(rolled) or folded, add $1.00 for shipping for every 2 items ordered, prepayment required (MN residents include sales tax).

MN06. Sample box containing 3 minerals and 3 fossils

Content: Minerals and rocks, Fossils; Elementary (4-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Teaching Media: Mineral kits; Cost: $1.00 for postage.

MN07. A history of geologic mapping in Minnesota

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Geophysics/remote sensing, Geologic principles/processes; High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Teaching Media: Maps, charts, posters; Cost: $8.00, add $1.00 for shipping for every 2 items ordered, prepayment required (MN residents include sales tax).

MN08. Dunes of the Anoka Sand Plain

48 color slides in carousel with written script and slide key.

Content: Surficial geology/glacial geology, Other: Slide program; Middle (7-9), High School (10-12); Cost: $35.00, add $1.00 for shipping for every 2 items ordered, prepayment required (MN residents include sales tax).

MN09. Using ground-water data for water planning

Educational Series No. 8

Content: Hydrogeology, Environmental geology; Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: $5.00, add $1.00 for shipping for every 2 items ordered, prepayment required (MN residents include sales tax).

MN10. Geologic history of Minnesota Rivers

Educational Series No. 7.

Content: Surficial geology/glacial geology; Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: $8.00, add $1.00 for shipping for every 2 items ordered, prepayment required (MN residents include sales tax).

MN11. The search for oil and gas in Minnesota

Educational Series No. 6

Content: Economic geology/petroleum; High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: $1.00, add $1.00 for shipping for every 2 items ordered, prepayment required (MN residents include sales tax).

MN12. K-12 Talks on General Geologic Topics

General geologic topics including: rocks and minerals, fossils, geologic maps, plate tectonics, careers in geology, groundwater.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Minerals and rocks, Fossils, Hydrogeology, Geologic principles/processes; Elementary (K-6), Middle (7-9), High School (10-12); Teaching Media: Audio-visual, Maps, charts, posters; Cost: Free to educators. Contact Barb Lusardi (612-627-6810).

MN13. General Geology topics. Lectures and field trips for public groups (i.e., Geological Society of Minnesota)

30-50 minute presentations on a variety of geological topics (as requested by organization). 1/2 - full day field trips.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; General Public; Text-based: Fieldtrip guide; Teaching Media: Audio-visual (slides/videotape), Maps, charts, posters; Service and Outreach: Speakers bureau; Cost: Free to educators. Contact Barb Lusardi (612-627-6810).

MN14. Fact Sheets

Precambrian geology (in Prep.)
Subsurface bedrock geology (in prep.)
Earthquakes in Minnesota (in prep.)

MN15. Minnesota's geology - a view from the drill rig

MN16. Postcard. bedrock geology map of Minnesota

MISSISSIPPI GEOLOGICAL SURVEY

S. Cragin Knox
Department of Environmental Quality
P.O. Box 20307
Jackson, MS 20307
(601) 961-5500; FAX: (601) 961-5521

MS01. "Rock Samples" - petrified wood, fossil whale bone

MS02. Mississippi Geology (quarterly journal)

MS03. Geology and Mineral Resources of Mississippi

MS04. The Geologic History of the Vicksburg National Military Park Area

MS05. Tishomingo State Park: Geologic history

MS06. The Geologic History of Tombigbee State Park

MS07. The Geologic History of Legion State Park

MS08. The Geologic History of Magnolia State Park

MS09. Yazoo Clay: engineering aspects and environmental geology of an expansive clay

MS10. A guide to the Frankstown vertebrate fossil locality (Upper

Cretaceous), Prentiss County, Mississippi

MS11. Geologic map of Mississippi (8 1/2 x 11)

MS12. Pamphlets
Bureau of Geology
The Values of Geologic Mapping in Mississippi
Fossil Whale. State Fossil in Mississippi

MISSOURI GEOLOGICAL SURVEY

James H. Williams
Division of Geology and Land Survey
Department of Natural Resources
P.O. Box 250
Rolla, MO 65401
(314) 368-2101; FAX: (314) 368-2111

MO01. Guidebook to the Geology Along Interstate 44 (I-44) in Missouri

MO02. Topographic Maps of Missouri

MO03. Springs of Missouri

MO04. A Guide for the Geology and Hydrologic Evaluation of Small Lake Sites in Missouri

MO05. Missouri Wetlands: A Vanishing Resource

MO06. Missouri Water Atlas

MO07. The Geologic Story of the St. Louis Riverfront - A Walking Tour

MO08. An Introduction to the Geologic History of Missouri

MO09. Works in Print on Water

MO10. Works in Print on Minerals

MO11. Guide to Mineral Resources Along I-44 Rolla to St. Louis, Missouri

MO12. The Role of Coal in Missouri

MO13. Missouri's Ice Age Animals

MO14. Geologic Wonders and Curiosities of Missouri

MO15. Water in Missouri

MO16. Diaspore - a Depleted Non-Renewable Mineral Resource of Missouri

MO17. Missouri Landscapes: A Tour Through Time

MO18. Brochures
Missouri's Hidden Waters
Protecting the Quality of Your Life
Earthquakes in Missouri
Groundwater, An Economic Resource Worth Protecting
A Brief History of the Missouri Geological Survey, 1853-1989
McCracken Core Library and Research Center
Geological Survey Program, 1992
Dam and Reservoir Safety Program, 1992
Shoreline Enhancement Ideas For Lake Managers and Residents

MO19. Fact Sheets
Generalized Geological Map of Missouri
Physiographic Regions of Missouri
Mineral and Energy Resource in Missouri
Missouri Groundwater
Topography of Missouri
Major Structural Features of Missouri
Land Relief of Missouri
Topographic Map Symbols
Crinoids and Brachiopods
The Elephant Rocks - A Geologic

Phenomenon
Chert - A Geologic Mystery
The Geologic Time Scale
Generalized Rock and Mineral Collecting Localities in Missouri
Generalized Fossil Collecting Localities in Missouri
Missouri - The Cave State
Surficial Materials Map of Missouri
From Witching to Wells
Springs in Missouri
Oil and Gas in Missouri
Missouri's Ozarks
Two Rivers - The Mississippi and Missouri
Galena - Official Mineral of the State of Missouri
Missouri - Premier Lead Producer of the World

MONTANA BUREAU OF MINES AND GEOLOGY

Hal James
Montana Bureau of Mines and Geology
Montana Tech.
1300 W. Park St.
Butte, MT 59701
(406) 496-4175; FAX: (406) 496-4451

MT01. Publications

Earth Science publications for Montana
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Seismicity, Mining geology, Guidebooks, Lay articles.

MT02. Caves of Montana

MT03. Montana coal: a guide to coal geology, resources and production

MT04. Profiles of Montana geology: a layman's guide to the treasure state

MT05. Montana in the geologic past

MT06. Gold Placers of Montana

MT07. The speleology of Lewis and Clark Caverns State Park, Montana

MT08. Information Pamphlet Series

Butte - under the hill: a brief introduction to mining and geology
Earthquakes: History and seismic safety in Montana

NEBRASKA CONSERVATION AND SURVEY DIVISION

David Gosselin
113 Nebraska Hall
Lincoln, NE 68588-0517
(402) 472-8919; FAX (402) 472-3471

NE01. NESEN (Nebraska Earth Science Education Network)

Team of earth science teachers, college science professors, state survey scientists and teacher's college professors - Develop lesson plans, curricula and have formed a pilot computing group through Internet.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Minerals and rocks, Fossils, Hydrogeology; Elementary (K-3) teachers, Middle (7-9) teachers, High School (10-12) teachers, Post Secondary teachers; Text-based: Background descriptive materials developed for teachers, Lay article useful to teachers/Educational leaflet; Scientific article, Fieldtrip guide; Teaching Media: Audio-visual (videotapes), Computer (IBM and Macintosh), Maps, charts, posters, Mineral kits; Service and Outreach: Direct assistance to teachers in classroom, Teacher workshop, Services to teachers and students at Survey office, Internet bulletin board; Cost: Free to educators in-state and discounts to teachers.

NE02. Publications List

Natural Resources publications including: Geological Survey publications, field guides, guidebooks, maps and charts, resource maps, water survey publications, paper, reports, Land Res. publications, reports, soil maps, land use maps, resource reports, atlases, circulars and topo maps.
Content: Other: Environment, Hydrosphere, Solid Earth; Middle (7-9), High School (10-12), Post Secondary; Cost: Free to educators.

NB03. NESEN Summer Workshops Brochure

NB04. NESEN Newsletter

NB05. NESEN Membership Directory and Information Guide

NB06. Record in Rock: a handbook of Invertebrate Fossils of Nebraska

NB07. Minerals and Gemstones of Nebraska: a handbook for students and collectors

NB08. Geologic History of Scotts Bluff National Monument

NB09. Earthquakes in Nebraska

NB10. Geologic History of Ash Hollow Park, Nebraska

NB11. Geology of Ponca State Park

NB12. Geology of Selected Sites near the Republican River in Franklin County, Nebraska

NB13. A Guide to the Practical Use of Aerial Color-Infrared Photography in Agriculture

NB14. Late Paleozoic Cyclic Sedimentation in southeastern Nebraska: a field guide

NB15. Geology, Geologic Time and Nebraska

NB16. Fundamentals of Groundwater Contamination

NB17. Field Guide to Otoe County-Unadilla Area

NB18. Field Guide to Cass County - Weeping Water Area

NB19. Field Guide to Sarpy County - Gretna State Fish Hatchery Area

NB20. Field Guide to Gage County - Odell/Krider Area

NB21. Field Guide to Thayer County - Alexandria and Gilead Areas

NB22. Field Guide to Pawnee County - Table Rock Area

NB23. Field Guide to Jefferson County - Fairbury Area

NB24. Field Guide to Greeley County - Chalk Mine State Wayside Area

NB25. Field Guide to Geology Along the Republican River Valley near Red Cloud, Nebraska

NB26. Field Guide to Geology of Lake McConaughy Area, Keith County, Nebraska

NB27. Geology of Rock Creek Station State Historical Park

NB28. Geologic Bedrock Map of Nebraska

NB29. Bedrock of Nebraska with Geologic Time and Rock Chart

NB30. Location Map of Bedrock Quarries in Southeastern Nebraska

NB31. Mineral Resource Map of

Nebraska

NB32. Soils of Nebraska

NB33. Dunes on the Plains - The Sand Hills Region of Nebraska

NB34. Directory of Nebraska Quarries, Pits, and Mines

NB35. Inventory of Mining Operations in Nebraska

NB36. Coal Resources of Nebraska

NB37. Oil in Nebraska

NB38. Flat Water: a History of Nebraska and its Water

NB39. The Groundwater Atlas of Nebraska

NB40. An Atlas of the Sand Hills

NB41. General Information Maps and Charts

Resourceful Scenes from Past and Present
Satellite Image of Nebraska, August 1977
Postulated Evolution of Platte River and Related Drainages
Earthquakes in Nebraska
Mineral Resource Map of Nebraska
Native Vegetation Map of Nebraska
Samples of Nebraska's Common Rocks, with explanatory notes

NEVADA BUREAU OF MINES AND GEOLOGY

Becky Weimer Purkey
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Mail Stop 178
University of Nevada
Reno, NV 89557-0088
(702) 784-6691; FAX (702) 784-1709
e-mail: purkey@unr.edu

NV01. Earth Science Education Outreach Program

We sell earth science and minerals related program/lesson plan guides for classroom instruction, provide an Earth Science Speakers and Topics Bureau for Nevada's schools, provide other free lesson plans, loan out E.S. - related videos, poster, etc. Supply free rocks and minerals to teachers and students, provide road guides and leaders for geology field trips, judge local and regional science fairs, and work closely with state, federal and county school districts to upgrade science education. Home page on the Internet.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Environmental geology, Engineering geology/geologic hazards, Geologic principles/processes, Other: Use of air photos, all types of maps, Data provided on CD-ROM; Elementary (K-6), Middle (7-9), High School (10-12), General Public; Text-based: Background descriptive materials developed for teachers, Lay articles useful to teachers/Educational leaflet, Scientific article, Textbook/handbook/laboratory manual/teacher manual, List of references and resources for teachers, Fieldtrip guides; Teaching Media: Audio-visual (video and slides), Computer (IBM and Macintosh), Maps, charts, posters, Manipulables (fossils, scopes, etc.), Mineral kits, All types of materials used to teach "hands-on" geologic processes; Service and Outreach: Direct assistance to teachers in classroom, Speakers bureau, Teacher workshop, Services to teachers and students at Survey office, Cooperative programs for development of educational materials and teaching methods; Cost: some xerox charges.

NV02. Nevada's common minerals: including a preliminary list of minerals found in the State

NV03. The history of the Comstock Lode, 1950-1920

NV04. Mineral and water resources of Nevada

NV05. Satellite photomap of Nevada

NV06. Rockhound's map of Nevada

NV07. Nevada's weather and climate

NV08. Federal regulators versus Nevada miners

NV09. Child of the rocks, the story of Berlin-Ichthyosaur State Park

NV10. Mining claim procedures for Nevada prospectors and miners - third edition

NV11. Nevada mining and you

NV12. Carlin trend exploration history: discovery of the Carlin deposit

NV13. Outline of Nevada mining history

NV14. Some Nevada rocks and minerals (collection)

NV15. Classroom activities for grades 1-6

NV16. Mining in Nevada - activity book for grades K-3

NV17. Mineral education for grades three and four

NV18. Mining education for grades seven and eight

NV19. Mining education for grades nine through twelve

NV20. Oil and gas in Nevada

NV21. Geothermal resource in Nevada

NV22. Nevada mining history: A documentary approach (for elementary grades)

NV23. Nevada mining history: A documentary approach (for intermediate grades)

NV24. Mining in Nevada - have you thought about it?

NV25. Mineral industries in the Nevada economy

NV26. Nevada mineral producers map

NV27. Nevada oil

NV28. Nevada geothermal electric power production

NV29. Earthquakes in Nevada and how to survive them

NV30. Abandoned mine mini-unit

NV31. Radon in Nevada - a natural hazard

NV32. Nevada and Great Basin areas desktop map

NV33. Nevada and Great Basin areas desktop map teachers guide

NV34. Mineral education - elementary

NV35. Reducing radon in Nevada homes

NV36. History of mining in Nevada, a learning unit for use with Project Mine: Nevada history video

NV37. Para proteger a su familia aqui tiene algunas cosas simples que a usted no le deben faltar

NV38. variety of quadrangles

NV39. The Nevada mineral industry, annual, 1979 -1992

NV40. Postcards
Geologic map of Nevada
Turquoise from Nevada
Diatomite
Cinnabar from Nevada
Ichthyosaurs
Mackay School of Mines

NEW HAMPSHIRE GEOLOGICAL SURVEY

Eugene L. Boudette
P.O. Box 2008
Concord, NH 03302
(603) 271-3406; FAX: (603) 271-6588

NH01. New Hampshire's State Rock and Mineral (sheet)

NH02. Fossils in New Hampshire

NH03. Mineral Collecting in New Hampshire

NH04. Gold in New Hampshire

NH05. Rocks and Minerals Magazine - New Hampshire Issue

NEW JERSEY GEOLOGICAL SURVEY

Haig F. Kasabach
Maps and Publications
Sales Office
Bureau of Revenue CN417
Trenton, NJ 08625
(609) 777-1038

NJ01. Geologic and Ground Water Information

The New Jersey Geological Survey is a public service and research agency which has served the state since 1835. Over this period, the New Jersey Geological Survey has evolved from a mineral resources and topographic mapping agency to a modern environmental organization whose present mission is to map, research, interpret and provide scientific information regarding the state's geology and ground-water resources. This information is the scientific basis for regulatory decisions involving ground-water discharges and cleanups, development of ground-water supplies and economic minerals, and provides the business community and public with the geologic and hydrogeologic information necessary to address environmental concerns.

Service and Outreach: Speakers available for large groups. Information provided to teachers and students at survey office.

NJ02. New Jersey Maps and Reports

Student geologic map; geologic and topographic maps; ground-water, geologic and geophysical reports are available from: DEP Maps and Publications Sales Office, Bureau of Revenue, CN 417, Trenton, NJ 08625; (609) 777-1038.

Price list available upon request. Student rock set and descriptive report anticipated to be available December 1995.

NJ03. Geologic Field Trip Guidebooks

Field trip guidebooks from annual meetings of the Geologic Association of New Jersey area available from: Dr. Richard Kroll, Chairman, Department of Geology and Meteorology, Kean College, Union, NJ 07083; (908) 527-2064.

NJ04. The Minerals of Franklin and Sterling Hill, New Jersey

NJ05. Caves of New Jersey

NJ06. Pamphlets
Battles and Skirmishes of the American Revolution in New Jersey
Generalized Stratigraphic Table for New Jersey

NEW MEXICO BUREAU OF MINES AND MINERAL RESOURCES

Susan Welch, Manager
Geologic Extension Service, NMBM&MR
Socorro, NM 87801
(505) 835-5112; FAX (505) 835-6333

NM01. Geologic Extension Service

The NMBM&MR is non-regulatory, and serves as the state geological survey to conduct studies and distribute information on geology, mineral and energy resources, hydrology, geologic hazards, environmental problems, and extractive metallurgy. The Geologic Extension Service was created to assist citizens, government agencies, and private industry in accessing the services and resources at the Bureau.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Lay article useful to teachers/Educational leaflet, Scientific article, List of references and resources for teachers, Fieldtrip guide (Scenic guides to the Geologic Past), Other: Bulletins, circulars, maps sold through the Publications Office; Teaching Media: Audio-visual (video lending library), Maps, charts, posters, Mineral kits; Service and Outreach: Services to teachers and students at Survey office; Cost: See Publications price list.

NM02. Lite Geology

Lite Geology is a quarterly publication for educators and the public that presents contemporary geological earth science topics in the form of short articles, cartoons, classroom exercises, and resource lists.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, List of references and resources for teachers; Cost: $4.00/year for printing and postage (Free to New Mexico residents).

NM03. Earth Science Education Resources -1994. List of addresses

NM04. Mineral Museum (brochure)

NM05. Scenic Trips to the Geologic Past (handbooks and guidebooks)

NM06. Directory of Commercial Analytical Laboratories in the Southwest (brochure)

NM07. Guide to Services and Annual Report

NM08. List of Mineral and Rock Dealers in New Mexico

NM09. Mineral-Collecting Guide to East Grants Ridge, New Mexico

NM10. Mineral-Collecting Guide to the Luis Lopez Mining District, New Mexico

NM11. Mineral Collecting Guide to the Magdalena, New Mexico Area

NM12. Mineral-Collecting Guide to Hansonburg Mining District, Socorro County, New Mexico

NM13. Mineral-Collecting guide to Gonzales mine, Socorro County, New Mexico

NM14. Mineral-Collecting guide to Kilbourne Hole area, Dona Ana County, New Mexico

NM15. Mineral-Collecting guide to Wind Mountain, Cornudas Mountains,

Otero County, New Mexico

NM16. Mineral Locality Leaflets
Harding Pegmatite
Fossil Localities

NM17. Roadlog from Albuquerque to Socorro via I-25

NM18. Field Trip Guide to the Jones Camp Mining District

NM19. The metal resources of New Mexico and their economic features through 1954.

NM20. Mineral and water resources of New Mexico

NM21. Tables of fluorescent and radioactive minerals

NM22. Directory of mines of New Mexico

NM23. Guide to Bureau Services

NM24. Mines, mill, and quarries in New Mexico

NEW YORK GEOLOGICAL SURVEY

Robert H. Fakundiny
3140 Cultural Education Center
Albany, NY 12230
(518) 474-5816; FAX: (518) 473-8496

The New York State Geological Survey is a research organization in state government that has been actively studying the geology of New York since 1836, under the auspices of the New York State Museum. It publishes maps, monographs, and other scholarly works, as well as handbooks and leaflets prepared for the lay public.

NY01. Geology of New York: A Simplified Account

A 294-page, profusely illustrated book written for the layperson and as a supplement for 8th-9th grade earth science courses. It has four parts: Background which includes a plate tectonic history of New York; Bedrock; Surficial; and Applied: plus an appendix and glossary.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Lay article useful to teachers/Educational leaflet, Textbook/handbook/laboratory manual/teacher manual; Cost: $18.95 includes NYS Geological Highway Map. Checks or purchase orders accepted. Make checks payable to New York State Museum and send to Publication Sales, NYS Museum, 3140 Cultural Education Center, Albany, NY 12230.

NY02. Leaflets, Circulars, information sheets, pamphlets, and small maps

A series of leaflets and small maps (8.5" x 11") on minerals, fossils, earthquakes, and geology of specific areas, all in New York.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes, Others: Lists of publications; Elementary (K-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Lay article useful to teachers/Educational leaflet, List of references and resources for teachers; Cost: single copy is free, Free to educators: Maximum quantity per school 10, Discounts to teacher for more than 10 copies, checks or purchase orders accepted. Make checks payable to New York State Museum and send to Publication Sales, NYS Museum, 3140 Cultural Education Center, Albany, NY 12230.

NY03. Publications of the New York State Geological Survey, New York State Museum, Empire State Geogram ISSN0013-676X

List publications of the Survey including those out of print, Open File access, status of geologic mapping,

small geologic map of New York State and Phanerozoic time scale.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; Elementary (K-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: List of references and resources for teachers; Teaching Media: Computer: Macintosh; Cost: Free. Order from Publications Sales, NYS Museum, 3140 Cultural Education Center, Albany, NY 12230. Maximum quantity per school 10.

NY04. New York State Geological Highway Map

Map 22 x 56 inches, printed in color on both sides, includes four plates on water-resistant, wrinkle-proof paper: 1) a view (satellite imagery) from space; 2) geologic map, scale 1:1,000,000, which can be superimposed on the space scene, cross section; 3) map legend, which includes a correlation chart; 4) small maps and texts of tectonics, physiography, field trip routes, geologic sites, texts and charts on rock and mineral classification, formation, and composition.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Minerals and rocks, Geophysics/remote sensing, Geologic principles/processes; Elementary (K-3) teachers, (4-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Lay article useful to teachers/Educational leaflet, Fieldtrip guide; Teaching Media: Maps, charts, posters, Other: Sites of geological interest; Cost: $6.75. Checks or purchase orders accepted. Make checks payable to New York State Museum and send to Publication Sales, NYS Museum, 3140 Cultural Education Center, Albany, NY 12230.

NY05. Geogram - Geological Research in New York (for appropriate year), Empire State Geogram ISSN 0013-676X

Lists geologic research projects by students and professors working on New York State Geogram. Contains timely articles about New York State Geology, News of New York State Geological Survey, New Survey publications, information about the geology and Paleontology Collections, NYS Geological Association Guidebook price list, recent theses, and recent publications by geologists working in New York State.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, Scientific article, Fieldtrip guide, Other: lists of theses and publications; Cost: Free: maximum quantity per school 10. Publications Sales, NYS Museum, 3140 Cultural Education Center, Albany, NY 12230.

NY06. Honorarium. Student Internship of the New York State Geological Survey, New York State Museum.

Graduate student cash awards for one year to support geologic research in New York State that emphasizes or uses field mapping. Specimens, thin sections, and copy of theses are to be placed in the State Museum's collections.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; Post Secondary students; Service and Outreach: Scholarship, Fellowship, Internship; Award: $1,000 maximum. Applications received in response to request for proposals sent to all Northeastern U.S. universities and colleges with graduate geology programs in the Spring of each year. Program is dependent upon available New York State Museum resources.

NY07. The Geography of Alleghany State Park

NY08. The World of Coelophysis - A New York Dinosaur of 200 Million Years Ago

NY09. Educational Leaflets

Rocks and Minerals of New York State
Field Guide to the Central Portion of the Southern Adirondacks
New Mountains from Old Rocks: The Adirondacks
Continential Collisions and Ancient Volcanoes: The Geology of Southeastern New York

Generalized Bedrock Geology of Albany County, New York
Building Stones of the Empire State Plaza - a Walking Tour
Gems of New York State

NY10. Information Sheets and Pamphlets

Generalized Bedrock Geology Map of New York
Mineral Resources of New York (map)
Earthquake Epicenters, Oct. 1975-June 1987
Damaging Earthquakes in New York State and Adjacent Areas, 1534-1988
Earthquake Hazard in New York State
An Ancient Beachead (Devonian Life in New York)
Prehistoric Mammals of New York
300 Millions Years Ago
Genesee River Country

NORTH CAROLINA GEOLOGICAL SURVEY

Charles H. Gardner
P.O. Box 27687
Raleigh, NC 27611-7687
(919) 733-2423; FAX (919) 733-0900

NC01. Gold in North Carolina

Describes gold exploration history in N.C., basics of gold exploration for planning; locations of gold mining of properties.
Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: List of references and resources for teachers, Fieldtrip guide; Cost: $5.50.

NC02. Rock Kit: North Carolina

Rock kit and manual for North Carolina, contains 19 specimens: approved by Department of Public Instruction's science section as a supplement to the curriculum.
Content: Minerals and rocks; Elementary (4-6), Middle (7-9), High School (10-12); Teaching Media: Mineral kits; Cost: $18.00.

NC03. Fossil Collecting in North Carolina

Provides locations (approximately 30) to collect fossils in NC; includes maps; locality descriptions and photographs of fossils to be collected; also glossary.
Content: Fossils; Elementary (4-6), Middle (7-9) students, High School (10-12), Post Secondary, General Public; Text-based: Fieldtrip guide; Cost: $6.50.

NC04. A geologic guide to North Carolina's state parks

Provides summaries of the geology of many of the state's state parks; includes inset maps and photographs.
Content: Minerals and rocks; Elementary (K-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Fieldtrip guide; Cost: $7.50.

NC05. Generalized Geologic Map of North Carolina

Provides Generalized Geology of North Carolina (in color); reverse provides summary of geologic history, key minerals produced, geologic time scale with key events in state.
Content: Bedrock geology/stratigraphy; Elementary (K-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Teaching Media: Maps, charts, posters; Cost: $.25.

NC06. Generalized Geologic Map of North Carolina (postcard)

Postcard; shows main geologic units of state, face caption underscores importance of minerals.
Content: Bedrock geology/stratigraphy; Elementary (K-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Teaching Media: Maps, charts, posters; Cost: $.35.

NC07. Geologic Map of North Carolina

Geologic Map of North Carolina - in color, scale 1:500,000 with road base and county boundaries.
Content: Bedrock geology/stratigraphy; Elementary (4-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Teaching Media: Maps, charts, posters; Cost: $10.00.

NC08. Miocene Geology of the continental shelf; Onslow Bay, NC

Portrays the subcorp geology of Onslow Bay, NC and shown cross section from Seismic surveys.
Elementary (4-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Teaching Media: Maps, charts, posters; Cost: $4.00.

NC09. Gold in North Carolina (Brochure)

Summarizes history of gold mining in North Carolina and tips for recreational "prospections."

Content: Economic geology/petroleum, Minerals and rocks; Elementary (4-6) students, Middle (7-9) students, High School (10-12), Post Secondary, General Public; Text-based: Fieldtrip guide; Cost: Free.

NC10. Guide to Geologic Points of Interest along I-26 (Brochure)

Provides a driver's perspective of I-26 from the South Carolina border to the Asheville area.

Elementary (K-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Fieldtrip guide; Cost: Free.

NC11. Guide to Geologic Points of Interest along I-40 (Brochure)

Provides a driver's perspective along I-40 through parts of North Carolina's Piedmont.

Elementary (K-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Fieldtrip guide; Cost: Free.

NC12. Geology and Down to Earth Facts

Summarizes North Carolina's mineral production and the minerals' uses.

Elementary (K-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Cost: Free.

NC13. Rockhounding on National Forest Land

Provides guidelines to prospect on National Forest Lands.

Content: Economic geology/petroleum; Middle (7-9) students, High School (10-12), Post Secondary, General Public; Text-based: Fieldtrip guide; Cost: Free.

NC14. Mineral Industry of North Carolina, 1993 (Brochure)

U.S. Bureau of Mines overview of North Carolina's mineral industry, 1993

Middle (7-9), High School (10-12), Post Secondary, General Public; Cost: Free.

NC15. 1992 Net Import Reliance - Non Fuel Minerals

Topographic Maps - Availability - Leaflet.

Middle (7-9), High School (10-12), Post Secondary, General Public; Cost: Free.

NC16. Publication List

Updated at least annually. Features new publications of the N.C. Geological Survey.

High School (10-12), Post Secondary, General Public; Cost: Free.

NC17. The Story of the Geologic Making of North Carolina

NC18. An Introduction to the Topography, Geology and Mineral Resources of North Carolina

NC19. Geology and Mineral Resources of North Carolina

NC20. North Carolina Geology and Mineral Resources: A Formation for Progress

NC21. Mineral Localities of North Carolina

NC22. Beryl Occurrences of North Carolina

NC23. Mineral Collecting Sites in North Carolina

NC24. The Geology of the Carolinas

NC25. Audio-Visual Materials

Muddy Water: Its More Dangerous Than You Think

It Comes from a Mine

NC26. Geologic Notes

Earth Science Resource Guide for Teachers as of July 1994

Investigating the Miocene Geology of the North Carolina Continental Shelf

NORTH DAKOTA GEOLOGICAL SURVEY

John P. Bluemle
600 East Boulevard Ave.
Bismarck, ND 58505-0840
(701) 328-9700; FAX: (701) 328-9898

ND01. Guidebooks.

A series of six non-technical guidebooks that together cover every North Dakota county. Each guidebook includes roadlogs and a full-color geologic map. Educational Series 8, 9, 17, 18, 19, and 20.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Geologic principles/processes; High School (10-12), Post Secondary, General Public; Text-based: Fieldtrip guide.

ND02. Flooding in the Grand Forks - East Grand Forks Area

This publication was written to explain to the layman what causes floods, to provide data on previous floods, and to make suggestions about planning and precautions which could reduce losses in future floods. 71 p., 1980.

Content: Surficial geology/glacial geology, Engineering geology/geologic hazards, Geologic principles/processes; High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, Cost: $2.00.

ND03. Petroleum--A Primer for North Dakota

A non-technical discussion of the origin, exploration for, and production of crude oil and natural gas in North Dakota. It includes a discussion of the regulation of the petroleum exploration and producing industry in North Dakota, 34p, 1981.

Content: Economic geology/petroleum; High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet.

ND04. Geologic Time in North Dakota

This is a non-technical discussion of geologic time and what it means to North Dakota. The publication uses a series of diagrams to illustrate the geologic events that have occurred in North Dakota. 17p., 1982.

Content: Geologic principles/processes; High School (10-12), General Public; Text-based: Lay article useful to teachers/Educational leaflet.

ND05. A History of Coal Mining in North Dakota, 1873-1982

This non-technical report describes the four stages in the history of the coal mining industry in North Dakota. It concentrates primarily on the principal mining enterprises and on the problems associated with the growth of the lignite industry from 1873 to 1941. 100 p., 1983.

Content: Economic geology/petroleum; High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: $2.00.

ND06. Geology Along North Dakota Interstate 94

This publication consists of a map and roadlog pointing out important geologic features along I-94. The roadlog coincides with mileage markers along the highway. The brochure also includes background information on North Dakota geology. 1983.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Geologic principles/processes; High School (10-12), General Public; Text-based: Fieldtrip guide.

ND07. Auto Tour Guide to the North and South Units of the Theodore Roosevelt National Park

This publication provides a roadlog and nontechnical guide to the geology and natural history of both units of the Park. 30 p., 1993.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Minerals and rocks, Fossils, Geologic principles/processes; High School (10-12), Post Secondary, General Public; Text-based: Fieldtrip guide; Cost: $1.50.

ND08. Geologic Postcard

A new (1993) updated colored postcard that shows a simplified geologic map of North Dakota. Card measures 5" x 7".

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology; Elementary (4-6) students, Middle (7-9) students, General Public; Teaching Media: Maps, charts, posters.

ND09. Explanatory Text to Accompany the Geologic Map of North Dakota

This publication explains how the map, which was published by the U.S. Geological Survey, was compiled and provides explanations and illustrations

of the various map units. 93 p., 1980.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Geologic principles/processes; High School (10-12), Post Secondary, General Public; Text-based: Scientific article; Cost: $3.00.

ND10. Face of North Dakota, Revised Edition

(revision of ED-11) This non-technical description of the geology of North Dakota is illustrated with about 150 black and white photos and drawings. It includes a full-color geologic highway map of the state. 187 p., 1 pl., 1991.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Geologic principles/processes; High School (10-12), Post Secondary, General Public; Text-based: Textbook/handbook/laboratory manual/teacher manual; Cost: $5.00.

ND11. North Dakota Rock and Mineral Samples

A representative sampling of 17 typical rocks and minerals found in North Dakota mounted on a card with descriptions of the samples on the back.
Content: Minerals and rocks; Elementary (4-6) students, Middle (7-9) students; Teaching Media: Mineral kits; Cost: $3.00.

ND12. Landforms of North Dakota

A 23-minute television video describing the geology of North Dakota in general terms. Intended mainly for teaching of earth science in North Dakota schools, but the video should be useful to anyone interested in learning more about the surface geology of the state. 1991.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Geologic principles/processes; Middle (7-9), High School (10-12), Post Secondary, General Public; Teaching-Media: Audio-visual; Cost: $20.00.

ND13. NDGS Newsletter

The NDGS Newsletter is published quarterly. It includes items of current interest about North Dakota geology.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Geologic principles/processes; High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: Anyone interested in receiving the newsletter free of charge should contact the North Dakota Geological Survey.

ND14. List of Publications

A complete list of all NDGS publications ever printed is available upon request. *Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; High School (10-12), Post Secondary, General Public; Text-based: List of references and resources for teachers.*

ND15. The Geology of the Turtle River State Park

Repr. from North Dakota Historical Quarterly, v 10, no. 4, p. 245-261, 1943. Repr. 1959.
Content: Surficial geology/glacial geology, Geologic principles/processes; High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet.

ND16. Page-size maps.

A collection of three simplified maps that show topography, surficial geology, and bedrock geology. Miscellaneous Maps 14, 18 and 28.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology; Middle (7-9), General Public; Teaching Media: Maps, charts, posters; Cost: $1.00.

ND17. Geologic and Topographic Bedrock Map of North Dakota

Colored map of the bedrock geology including the configuration of the bedrock surface beneath the glacial deposits and at the surface in unglaciated areas. Scale 1:670,000. 1983.
Content: Bedrock geology/stratigraphy; Middle (7-9), High School (10-12), Post Secondary, General Public; Teaching Media: Maps, charts, posters; Cost: $3.00.

ND18. North Dakota Geological Highway Map

This map includes a geologic cross section and is intended for the general public. Scale 1:1,000,000. Reverse side includes discussions of glaciation, geologic history, points of geologic interest, drainage, bedrock geology, and thickness of glacial deposits. Map measures 23" x 30"; it is folded to 7" x 12". 1988.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology; Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Teaching Media: Maps, charts, posters; Cost: $3.00.

ND19. Ground Water, A Vital North Dakota Resource

This booklet is concerned with the occurrence and availability of groundwater, types of wells, and quality of water in North Dakota. It reviews previous groundwater studies, outlines how a groundwater study is made, and reviews the cooperative study programs. 25 p., 1962.

Content: Hydrogeology; High School (10-12), General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: free.

ND20. Popular Geology of Eddy and Foster Counties, North Dakota

This booklet is written for high school students, farmers, and others who want general information on the geology of the area. Includes two roadlogs, one in each county, that describe many typical geologic features along the way. 24 p., 2 pl., 1967.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Geologic principles/processes; High School (10-12), Post Secondary, General Public; Text-based: Fieldtrip guide; Teaching Media: Maps, charts, posters; Cost: free.

ND21. Geology of Northeastern North Dakota

This is a guidebook with a field trip prepared for a geology teachers conference. 30 p., 1969.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Geologic principles/processes; High School (10-12), Post Secondary, General Public; Test-based: Lay article useful to teachers/Educational leaflet, Fieldtrip guide; Cost: free.

ND22. Guide to the Geology of Burleigh County, North Dakota

This guidebook was written for students, farmers, and others who desire general information on the geology of the area. It includes four roadlogs and a colored geologic map (scale about 1/2 in. to the mile). 36 p., 1 pl., 1970.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Geologic principles/processes; High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, Fieldtrip guide; Teaching Media: Maps, charts, poster.

ND23. Subsurface Geology and Foundation Conditions in Grant Forks, North Dakota

This booklet describes the position, composition, origin, and engineering properties of the layers of sediment that underlie Grant Forks. It is directed at the non-geologist who is concerned with construction in the area. 18 p., 7 figs., 2 pl., 2 tables. 1972.

Content: Surficial geology/glacial geology, Engineering geology/geologic hazards; High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Teaching Media: Maps, charts, posters.

ND24. Environmental Geology and North Dakota

This booklet looks at uses of geology in planning of developments. 13 p., 1972.

Content: Environmental geology, Engineering geology/geologic hazards; High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet.

ND25. Annotated Bibliography of the Geology of North Dakota 1806-1959

High School (10-12), Post Secondary, General Public; Cost: $3.00.

ND26. Oil exploration and development in the North Dakota Williston Basin.

A series of non-technical reports/, issued biennially since 1979, that provide information on petroleum activity in North Dakota. Miscellaneous Series 57, 59, 65, 67, 72, 74, 77 and 80.

Content: Economic geology/petroleum; High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet.

ND27. A History of the North Dakota Geological Survey

This publication provides a history of development of the North Dakota Geological Survey from its inception in 1895 through 1978. 51 p., 1980.

High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: $2.00.

ND28. Magnetic Anomalies in Pembina County, North Dakota

This booklet contains maps showing the location of anomalies and discusses the mapping and possible origins of the anomalies. 8 p., 1969.

Content: Bedrock geology/ stratigraphy, Geophysics/remote sensing; High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: $1.00.

ND29. Geology for Planning at Langdon, North Dakota

This publication provides the geologic information needed for planning for development. 16 p., 1972.

Content: Environmental geology, Engineering geology/geologic hazards; High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: $1.00.

ND30. Physical Data for Land-Use Planning - Cass County, North Dakota, and Clay County, Minnesota - An Inventory of Mineral, Soil and Water Resources

This publication provides a compilation of data on surface materials of the area. 16 p., 9 maps, 1974.

Content: Surficial geology/glacial geology, Environmental geology, Engineering geology/geologic hazards; High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Teaching Media: Maps, charts, posters; Cost: $5.00.

ND31. Physical Data for Land-Use Planning - Divide, McKenzie, and Williams Counties, North Dakota

This publication is a compilation of available data on the surficial materials, mineral resources, and groundwater resources and pollution hazard. 17 p., 8 pl., 1977.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Environmental geology, Engineering geology/geologic hazards; High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teacher/Educational leaflet; Teaching Media: Maps, charts, posters; Cost: $3.00.

ND32. Geologic and Hydrogeologic Conditions Affecting Land Use in the Bismarck-Mandan Area

This report supplies detailed geologic materials, maps, and a series of land-capacity maps to aid in future planning in the area. 42 p., 30 pl., 1980.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Environmental geology, Engineering geology/geologic hazards; High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Teaching Media: Maps, charts, posters; Cost: $2.00.

NDN33. Educational Series

Guide to the Geology of Northwest North Dakota
Guide to the Geology of Southwest North Dakota
Guide to the Geology of Northeastern North Dakota
Guide to the Geology of Southeastern North Dakota
Guide to the Geology of North-Central North Dakota
Guide to the Geology of South-Central North Dakota

ND34. Conservation of Oil and Gas in North Dakota, a Legal History

ND35. Mineral and Water Resources of North Dakota

ND36. North Dakota Clays

ND37. Aquatic Mollusks of North Dakota

ND38. The Chadron, Brule, and Arikaree Formations in North Dakota - The Buttes of Southwestern North Dakota

ND39. Guidebook to building stones of the State Capitol (in prep.)

ND40. Over 40 earth-science videos (by AAPG, NASA, others)

ND41. A Visitor's Guide to the North Dakota Capitol Grounds: Buildings.

Monuments, and Stones, by Robert F. Biek, 1995, $3.00.

OHIO GEOLOGICAL SURVEY

Sherry Weisgarber
4383 Fountain Square Drive B-1
Columbus, OH 43224-1362
(614 265-6588; FAX: (614) 447-1918

OH01. List of Educational Resources of the Ohio Division of Geological Survey and sources of additional information

This is a comprehensive listing of educational materials at the Ohio Survey, along with a listing of related resources at other surveys, other ODNR divisions, federal agencies, private industry, museums, associations, foundations, and speaker's bureaus.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geologic principles/processes; Elementary (K-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Textbook/handbook/laboratory manual/teacher manual, List of references and resources for teachers, Fieldtrip guide; Teaching Media: Audio-visual, Maps, charts, posters; Service & Outreach: Direct assistance to teachers in classroom, Speakers bureau, Teacher workshop; Cost: Free.

OH02. Annual Industrial Minerals Teacher Workshop

This annual one-week workshop conducted in cooperation with the University of Akron provides two credit-hours of college credit. It familiarizes the teachers with Ohio geology, Ohio mineral production (industrial minerals and fossil fuels), and our daily dependency upon minerals. It promotes a balance between environmental stability and quality of life.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geologic principles/processes; Elementary (K-6), Middle (7-9) teachers, High School (10-12) teachers, Post Secondary teachers; Text-based: Background descriptive materials developed for teachers, Lay article useful to teachers/Educational leaflet, List of references and resources for teachers, Fieldtrip guide; Teaching Media: Audio-visual (slides), Maps, charts, posters; Service & Outreach: Teacher workshop; Cost: $300/teacher.

Garry Yates
4383 Fountain Square Drive B-2
Columbus, OH 43224-1362
(614) 265-6681; FAX: (614) 447-1918

OH03. Rock and Mineral Set

This collection of ten small specimens of Ohio rocks and minerals includes a sheet explaining their occurrences and uses, and a small geologic map of the state.

Content: Bedrock geology/stratigraphy, Economic geology/petroleum, Minerals and rocks, Geologic principles/processes; Elementary (4-6), Middle (7-9), High School (10-12), General Public; Text-based: Background descriptive materials developed for teachers; Teaching Media: Maps, charts, posters, Mineral kits; Service and Outreach: Direct assistance to teachers in classroom; Cost: Free to educators.

Michael Hansen
4383 Fountain Square Drive B-2
Columbus, Ohio 43224-1362
(614) 265-6580; FAX (614) 268-3669

OH04. Ohio Geological Survey Educational Leaflet Series

The series provides lay-language explanation of geological aspects of Ohio including glaciers, flint, coal, earthquakes, land-capability analysis, clay and shale, and highway geology.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geologic principles/processes; Elementary (4-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Test-based: Lay article useful to teachers/Educational leaflet, Fieldtrip guide; Teaching Media: Maps, charts, posters; Service & Outreach: Direct assistance to teachers in classroom; Cost: Free.

OH05. Pottsville fauna of Ohio

OH06. Marl, tufa rock, travertine, and bog ore in Ohio

OH07. The iron ore bearing formations of Ohio

OH08. The occurrence of flint in Ohio

OH09. Ohio fossils

OH10. Pleistocene Mollusca of Ohio

OH11. Pennsylvanian brachiopods of Ohio

OH12. Ohio - an American heartland

OH13. Pennsylvanian marine Bivalvia and Rostroconchia of Ohio

OH14. Minerals of Ohio

OH15. History of the coal-mining industry in Ohio

OH16. Physiographic features of southeastern Ohio

OH17. Geologic interpretation of scenic features in Ohio

OH18. Pennsylvanian trilobites of Ohio

OH19. IC series
- *Geology of Lake Hope State Park*
- *Coal production in Ohio - 1800-1974*
- *Place names directory: northeast Ohio*
- *Place names directory: southeast Ohio*
- *Place names directory: southern Ohio*
- *A historical sketch of the mineral industries in Ohio*

OH20. Geo Facts
- *Earthquakes and seismic risk in Ohio*
- *Ohio Shale Concretions*
- *Ohio Trilobites*

OH21. Ohio Geology (published quarterly)

OH22. Maps:
- *Base map of Ohio*
- *Quaternary geology of Ohio*
- *Geologic Map of Ohio*
- *Mineral industries map of Ohio*
- *Ohio landform map*
- *Oil and gas fields of Ohio*
- *Oil and gas pipelines in Ohio*
- *Relief map of Ohio*
- *Topographic map of Ohio*

OH23. Postcards
- *Flint, Ohio's gemstone*
- *Isotelus, Ohio's official state fossil*
- *Geologic map and cross section of Ohio*
- *Glacial deposits of Ohio*
- *Dr. John Strong Newberry; Second State Geologist of Ohio*

OH24. Natural and manmade features affecting the Ohio shore of Lake Erie

OH25. Selected field trips in northeastern Ohio

OH26. Geology of the Hocking Hills State Park region

OH27. Guide to the building stones of downtown Cleveland: a walking tour

OH28. Guide to the building stones of downtown Columbus: a walking tour

OH29. Guide to the building stones of downtown Cincinnati: a walking tour

OH30. Geologic glimpses from around the world - the geology of monuments in Woodland Cemetery and Arbotetum, Dayton, Ohio

OH31. Cincinnati's geologic environment: a trip for secondary-school teachers

OH32. Excursion to Caesar Creek State Park in Warren County, Ohio: a classic Upper Ordovician fossil-collecting locality

OH33. Audiovisual/Computer Materials:

All About Coal
Coal: Clean Power for a Better Life
Coal Country
Coal: Fuel for the Future
Coal: the Inside Story
Coal Mining in a Multiple Use Environment
Common Ground, Modern Mining and You
Discover Mining
Hidden Fury, the New Madrid Earthquake Zone
JEDI (Joint Educational Initiative)
Mining: Discoveries for Progress
Ohio Crude: the Excitement of Ohio's Gas and Oil Boom
Out of the Rock
Rocks and Rivers, West Virginia's Geologic Heritage
The Search: the Geological Survey of Ohio
Showcasing Mineral Activities

OKLAHOMA GEOLOGICAL SURVEY

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OK01. Geology and Earth Resources of Oklahoma

Text explaining geologic history of Oklahoma; maps showing topography, geomorphic provinces, geology, mineral resources, and water sources.

Content: Surficial geology, Economic geology/petroleum, Minerals and rocks, Hydrogeology, Environmental geology, Geologic principles/processes; Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Lay article useful to teachers/Educational leaflet; Service & Outreach: Speakers bureau; Cost: $2.00, plus $.50 postage.

OK02. Guidebook for Geologic Field Trips in Oklahoma

Guide for conducting geologic field trips. Tips on leading trips, safety measures, and making geologic observations.

Content: Bedrock geology/stratigraphy, Surficial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Environmental geology, Geologic principles/processes; Elementary (4-6) teachers, Middle (7-9) teachers, High School (10-12) teachers, Post Secondary teachers, General Public; Text-based: Background descriptive materials developed for teachers, Textbook/handbook/laboratory manual/teacher manual, Fieldtrip guide; Service & Outreach: Speakers bureau; Cost: $2.00, plus $.50 postage.

OK03. Geologic Field Trips in Northwest Oklahoma

Guide to geologic field trips in Northwest Oklahoma. Descriptions of stops in eight counties.

Content: Bedrock geology/stratigraphy, Surficial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Geologic principles/processes; Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based Background descriptive materials developed for teachers, Textbook/handbook/laboratory manual/teacher manual, Fieldtrip guide; Service & Outreach: Speakers bureau; Cost: $2.00, plus $.50 postage.

OK04. Guidebook for Geologic Field Trips in North-Central Oklahoma

Field-trip guide to North-central Oklahoma-Introduction to general geology. Stop descriptions to points of interest in 14 counties.

Content: Bedrock geology/stratigraphy, Surficial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Geologic principles/processes; Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, Textbook/handbook/ laboratory manual/teacher manual, Fieldtrip guide; Service & Outreach: Speakers bureau; Cost: $3.00, plus $.50 postage.

OK05. Guidebooks

Series of Guidebooks, both technical and more popular, includes Roman Nose State Park, Beavers Bend, Wister, and other parks. Excellent teaching material.

Content: Bedrock geology/stratigraphy, Surficial geology, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Geologic principles/processes; Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Lay article useful to teachers/Educational leaflet, Scientific article, Textbook/handbook/laboratory manual/teacher manual, List of references and resources for teachers, Fieldtrip guide; Service & Outreach: Speakers bureau; Cost: varies with volume, call for information.

OK06. Geologic Map of Oklahoma

Scale 1:500,000 geologic map, in 2 sheets.

Content: Surficial geology; Middle (7-9), High School (10-12), Post Secondary, General Public; Service & Outreach: Speakers bureau; Cost: $7.30, plus $1.50 postage.

OK07. Earthquake Map of Oklahoma

4-color map sheet is a guide only to earthquake intensity and Epicentral locations in Oklahoma. Explanatory test, inventory, detection, and catalog. 15 pages of text.

Content: Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; Middle (7-9), High School (10-12), Post Secondary, General Public; Service & Outreach: Speakers bureau; Cost: $5.00, plus $.50 postage.

OK08. Oklahoma Geology Notes

Bimonthly publication carries technical articles, news of new publications, meetings, and activities related to Oklahoma geology.

Content: Bedrock geology/stratigraphy, Surficial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; High School (10-12), Post Secondary, General Public; Text-based: Scientific article, List of references and resources for teachers, Other: News of geologic interest; Service & Outreach: Speakers bureau; Cost: $1.50 issue/$6 per year.

OK09. Hazardous-Waste Disposal in Oklahoma -- A Symposium

Proceedings of a symposium held in 1989 in conjunction with meeting of Oklahoma Academy of Science. Examines issues. SP90-3.

Content: Environmental geology, High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, Scientific article; Cost: $5.00, plus $.50 postage.

OK10. Map of Oklahoma Oil and Gas Fields

Color map showing outlines of 3,083 active fields and 35 abandoned fields. Lists names and locations of all fields. scale - 1:500,000.

Content: Economic geology/petroleum; Middle (7-9), High School (10-12), Post Secondary, General Public; Service & Outreach: Speakers bureau; Cost: $6.00, plus $.60 postage.

OK11. Rose Rocks in Oklahoma (pamphlet)

OK12. The Petroleum Industry in Oklahoma (pamphlet)

OK13. Catalog of One Hundred Rocks, Minerals, and Fossils from Oklahoma

OK14. Geology and Mineral Resources of Oklahoma

OK15. Oklahoma Earthquakes

OK16. Geology of Oklahoma - A Summary

OK17. Guide to Roman Nose State Park, Blaine County, Oklahoma

OK18. Guide to Beavers Bend State Park

OK19. Guide to Alabaster Cavern and Woodward County, Oklahoma

OK20.Guide to Robbers Cave State Park

OK21. Geology of the Arbuckle Mountains along Interstate 35, Carter and Murray Counties, Oklahoma

OK22. Geology of the Wister State Park area, Le Flore County, Oklahoma

OREGON DEPT. OF GEOLOGY and MINERAL INDUSTRIES

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OR01. Almost all of our magazines, books, maps, and brochures are educational. Most, however, have been written for adults with some technical background.

Although all of our technical publications can be regarded as educational, brochures entitled "Geology and History on the Oregon Trail," "Recreational Gold Panning," and "Oregon's Geologic Treasures" can be useful to students. Field trip guides from our current magazine Oregon Geology and our earlier magazine The Ore Bin are educational, and a list of them is available. We also have a brochure on "Tsunamis."

Content: Bedrock geology/stratigraphy, Minerals and rocks, Fossils, Engineering geology/geologic hazards, Other: Field trip guides; Middle (7-9) teachers, High school (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Scientific article, List of references and resources for teachers, Field trip guide, Other: Map and books; Teaching Media: Maps, charts, posters; Service & Outreach: Speakers bureau, Services to teachers and students at Survey office; Scholarship, Fellowship, Internship; Cost of publication varies; Oregon Geology is $10/year or $22/3 years. Free publication lists are available; credit cards accepted.

OR02. Nature of the Northwest Information Center leaflet

OR03. Tsunami! How to Survive this Hazard on the Oregon Coast (brochure)

OR04. Oregon's Heritage: Geologic Treasures (brochure)

OR05. Geology of lava tubes, Bend area, Deschutes County

OR06. Fossils in Oregon. Collection of reprints from The Ore Bin

OR07. Geologic field trips in western Oregon and southwestern Washington

OR08. Miscellaneous Publications:

Geology of Oregon
Geologic map of Oregon
Geological highway map, Pacific Northwest region: Oregon, Washington, and part of Idaho (AAPG)
Oregon Landsat mosaic map (ERSAL. OSU)
Oregon rocks and Minerals, a description (OFR 0-88-6)
Geothermal resources map of Oregon (NOAA)
Mount Hood and vicinity, Oregon (USGS)
Crater Lake and vicinity, Oregon (USGS)
Map of Owyhee region

OR09. Oregon Geologic Trip Guides and Recreational Geology Articles

A large selection of reprints from The Ore Bin and Oregon Geology on state parks, the Oregon coast, miscellaneous guide articles (Inc. geology along highways, near major cities, or mining districts, through mountain ranges, climbing routes and walking tours, etc.)

OR10. Geological Map Series - variety of 7 1/2', 15', and smaller-scale maps. Colored and uncolored.

PENNSYLVANIA BUREAU OF TOPOGRAPHIC AND GEOLOGIC SURVEY

Richard C. Keen, Librarian
Director's Office, P.O. Box 8453
Harrisburg, PA 17105-8453
(717) 783-8077 or 787-2169; FAX: (717) 783-7267

PA01. Rocks and Minerals of Pennsylvania

A 30-page two-color booklet containing a description of the three major rock groups-sedimentary, igneous, and metamorphic and typical examples of rocks and minerals found in Pennsylvania. Also includes a section on the importance of rocks and minerals in society.

Contents: Minerals and rocks; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Other: booklet; Cost: Free to educators.

PA02. Common Fossils of Pennsylvania

A two-color booklet containing a discussion of what fossils are and how they are preserved and classified, and a description of the major categories of fossils. Includes several sketches of typical invertebrate and plant fossils found in Pennsylvania.

Content: Fossils; Elementary (K-3) teachers, (4-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Other: Booklet; Cost: Free to educators.

PA03. Ground Water in Pennsylvania

A Two-color booklet containing a description of Pennsylvania's water resources and discussions of the relation between geology and groundwater, how groundwater supplies are developed, and problems of water quality, quality, and management.

Content: Hydrogeology; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Other: Booklet; Cost: Free to educators.

PA04. The Geology of Pennsylvania

A two-color well-illustrated booklet containing a general summary of the geology of Pennsylvania.

Content: Bedrock geology/stratigraphy; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Other: Booklet; Cost: Free to educators.

PA05. Geology and the Gettysburg Campaign

A 15-page booklet containing a description of the geology of the Gettysburg area and its influence on how the battle was conducted.

Content: Bedrock geology/stratigraphy; Elementary (K-6) teachers, Middle (7-9), High School (10-20), Post Secondary, General Public; Text-based: Other: Booklet; Cost: Free to educators.

PA06. Pennsylvania and the Ice Age

A 3-page two-color booklet containing a description of the Ice Age in Pennsylvania and the influence of glacial activity during that time period on the landscape and geology of the state today.

Content: Surficial geology/glacial geology; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Other: Booklet; Cost: Free to educators.

PA07. Coal in Pennsylvania

A 29-page booklet containing discussions of what coal is, how it is formed, where it occurs in Pennsylvania, how it is mined, the geological history of the coal-bearing rocks in the state, and a description and sketches of plants and animals of the coal-forming period.

Contents: Economic geology/petroleum; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Other: Booklet; Cost: Free to educators.

PA08. Geology of Pennsylvania's Oil and Gas

A 28-page illustrated booklet containing discussions of what oil and gas are, how they are formed, where they occur in Pennsylvania, how they are found and how wells are drilled, and the history of oil and gas development in Pennsylvania.

Content: Economic geology/petroleum; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Other: Booklet; Cost: Free to educators.

PA09. Geologic Hazards in Pennsylvania

A 56-page two-color booklet containing a description of three major geologic hazards-landslides, subsidence and sinkholes, and earthquakes-in Pennsylvania, where they occur, their relationship to geology, and

man-induced problems. The booklet contains numerous sketches and photographs.
Content: Engineering geology/geologic hazards,; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public, Text-based: Other: Booklet, Cost: Free to educators.

PA10. Earthquake Hazard in Pennsylvania

A 14-page two-color booklet containing discussions of what earthquakes are, how they are measured, geological causes of earthquakes, and a historical summary of earthquakes that have affected Pennsylvania.
Content: Engineering geology/geologic hazards; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Other: Booklet; Cost: Free to educators.

PA11. Building Stones of Pennsylvania's Capital Area

A 47-page two-color well-illustrated booklet containing a description of the building stones used to construct various buildings in the Harrisburg, Pennsylvania, area. The book includes a self-guiding walking tour.
Content: Minerals and rocks, Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Other: Booklet; Cost: $1.10 over the counter; $2.20 by mail.

PA12. Outstanding Scenic Geological Features of Pennsylvania - Part 2.

A 270-page book containing a listing, brief geological description, and photographs and location maps of various scenic features in Pennsylvania. The book was published as a supplement to Part 1, which is now out of print.
Content: Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Textbook/ handbook/laboratory manual/teacher manual; Cost: $3.00 over the counter; $4.35 by mail.

PA13. Your Guide to the Geology of the Kings Gap Area, Cumberland County, Pennsylvania.

A 31-page illustrated booklet containing a discussion of the geology at several points in the vicinity of the Kings Gap Environmental Education Center.
Content: Bedrock geology/stratigraphy, Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Other: Booklet; Cost: Free to educators.

PA14. Meteorites Found in Pennsylvania

A 35-page illustrated book containing descriptions of the chemical composition and physical characteristics of various meteorites and the locations in Pennsylvania where they were found.
Content: Minerals and rocks; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Textbook/handbook/laboratory manual/teacher manual; Cost: $1.00 over the counter; $2.00 by mail.

PA15. Fossil Collecting in Pennsylvania

A 215-page well-illustrated book containing geographic and geologic descriptions of Pennsylvania fossil localities and a list of fossils that can be found at each site. It also has an introduction to fossil collecting and a description of the major fossil groups found in Pennsylvania.
Content: Fossils; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Textbook/handbook/laboratory manual/teacher manual; Cost: $2.70 over the counter; $3.70 by mail.

PA16. Caves of Western Pennsylvania

A 97-page illustrated book containing descriptions and locations of 79 caves in western Pennsylvania and a discussion of the geologic setting of that region of the state.
Content: Other: Caves; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Textbook/handbook/laboratory manual/teacher manual; Cost: $3.45 over the counter; $4.45 by mail.

PA17. Geology of the Appalachian Trail in Pennsylvania

A 121-page well-illustrated book containing a discussion of the geology and topography of the 228-mile section of the Appalachian Trail in Pennsylvania, and detailed descriptions of 40 geologic features that occur along the trail.
Content: Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Textbook/ handbook/laboratory manual/teacher manual; Cost: $2.70 over the counter; $3.70 by mail.

PA18. Elevations in Pennsylvania

A 19-page booklet containing a listing of the elevations of the highest and lowest points in the state and in each county. Elevations are also given for some of the larger cities, boroughs, lakes, and reservoirs in each county.

Content: Geologic principles/processes; Elementary (K-3) teachers, (4-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Other: Booklet; Cost: Free to educators.

PA19. Geologic Map of Pennsylvania

An 8 1/2 x 11- inch four-color map showing the distribution of the geologic units that belong to each major time period. An explanation provides a summary of the rock types and their ages.

Content: Bedrock geology/stratigraphy; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Teaching Media: Maps, charts, posters; Cost: Free to educators.

PA20. Oil and Gas Fields of Pennsylvania

An 8 1/2 x 11- inch four-color map showing the distribution of oil fields, gas fields, and gas storage areas in Pennsylvania.

Content: Economic geology/petroleum; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Teaching Media: Maps, charts, posters; Cost: Free to educators.

PA21. Distribution of Pennsylvania Coals

An 8 1/2 x 11 - inch three-color map showing the distribution of bituminous and anthracite coal fields in Pennsylvania.

Content: Economic geology/petroleum; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Teaching Media: Maps, charts, posters; Cost: Free to educators.

PA22. Physiographic Provinces of Pennsylvania

An 8 1/2 x 11- inch four-color map showing physiographic provinces and sections in Pennsylvania. The back side of the sheet contains a list of landforms (both appearance and origin), geologic structures, rock types, range of elevations, and types of drainage patterns common to each area.

Content: Other: Physiography; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Teaching Media: Maps, charts, posters; Cost: Free to educators.

PA23. Limestone and Dolomite Distribution in Pennsylvania

An 8 1/2 x 11 inch two-color map showing the distribution of carbonate rocks in Pennsylvania.

Content: Bedrock geology/stratigraphy; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Teaching Media: Maps, charts, posters; Cost: Free to educators.

PA24. Glacial Deposits of Pennsylvania

A 9 x 12 inch four-color map showing the distribution of glacial deposits from the Illinoian and Wisconsinan ice advances. Descriptions and ages of the various deposits are given in an explanation below the map.

Content: Surficial geology/glacial geology; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Teaching Media: Maps, charts, posters; Cost: Free to educators.

PA25. Surficial Materials of Pennsylvania.

An 8 1/2 x 11 inch four-color map showing the distribution of unconsolidated deposits or rocks found at the surface in Pennsylvania. The back side of the sheet contains detailed description of the units shown on the map.

Content: Surficial geology/glacial geology; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Teaching Media: Maps, chart, posters, Cost: Free to educators.

PA26. Park Guide 1. Through Creek State Park-Ice Mine and Balanced Rock

An illustrated pamphlet containing a description of the geologic history and features within the park.

Content: Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: Free to educators.

PA27. Park Guide 2. Hickory Run State Park-Boulder Field

An illustrated pamphlet containing a description of the geologic history and features within the park.

Content: Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article

useful to teachers/Educational leaflet; Cost: Free to educators.

PA28. Park Guide 3. Archbald State Park-Archbald Pothole

An illustrated pamphlet containing a description of the geologic history and features within the park.
Content: Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: Free to educators.

PA29. Park Guide 4. Moraine State Park

An illustrated pamphlet containing a description of the geologic history and features within the park.
Content: Geologic principles/processes, Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: Free to educators.

PA30. Park Guide 5. Leonard Harrison and Colton Point State Parks - The Grand Canyon of Pennsylvania

An illustrated pamphlet containing a description of the geologic history and features within the parks.
Content: Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: Free to educators.

PA31. Park Guide 6. French Creek State Park, Berks and Chester Counties-Piedmont Rocks and Hopewell Furnace

An illustrated pamphlet containing a description of the geologic history and features within the park.
Content: Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: Free to educators.

PA32. Park Guide 7. Ohiopyle State Park-Geologic Features of Interest

An illustrated pamphlet containing a description of the geologic history and features within the park.
Content: Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: Free to educators.

PA33. Park Guide 8. Valley Forge National Historical Park, Montgomery and Chester Counties-The Geologic History

A 13-page two-color illustrated booklet containing a description of the geologic history and features within the park.
Content: Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Other: Booklet; Cost: Free to educators.

PA34. Park Guide 9. McConnells Mill State Park-Slippery Rock Creek Gorge

An illustrated pamphlet containing a description of the geologic history and features within the park.
Content: Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational Leaflet; Cost: Free to educators.

PA35. Park Guide 10. Gifford Pincoht State Park-Diabase (Molten Liquid Rock)

An illustrated pamphlet containing a description of the geologic history and features within the park.
Content: Geologic principles/processes, Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: Free to educators.

PA36. Park Guide 11. Ravensburg State Park, Clinton County-Castle Rocks

An illustrated pamphlet containing a description of the geologic history and features within the park.
Content: Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: Free to educators.

PA37. Park Guide 12. Worlds End State Park, Sullivan County-Geologic

Features of Interest

An illustrated pamphlet containing a description of the geologic history and features within the park.
Content: Geologic principles/processes, Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12), Post Secondary, General Public, Text-based: Lay article useful to teachers/Educational leaflet; Cost: Free to educators.

PA38. Park Guide 13. Ricketts Glen State Park, Luzerne County-The Rocks, the Glens, and the Falls

An illustrated pamphlet containing a description of the geologic history and features within the park.
Content: Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: Free to educators.

PA39. Park Guide 14. Nockamixon State Park, Bucks County-Rocks and Joints

An illustrated pamphlet containing a description of the geologic history and features within the park.
Content: Geologic principles/processes, Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: Free to educators.

PA40. Park Guide 15. Caledonia and Pine Grove Furnace State Parks, Cumberland, Adams, and Franklin Counties-Geologic Features and Iron Ore Industry

An illustrated pamphlet containing a description of the geologic history and features within the park.
Content: Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: Free to educators.

PA41. Park Guide 16. Swatara State Park, Lebanon and Schuylkill Counties-Geologic Features and Fossil Sites

An illustrated pamphlet containing a description of the geologic history and features within the park.
Content: Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: Free to educators.

PA42. Park Guide 17. Samuel S. Lewis State Park, York County-Mt. Pisgah and the Lower Susquehanna Valley

An illustrated pamphlet containing a description of the geologic history and features within the park.
Content: Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: Free to educators.

PA43. Park Guide 18. Promised Land State Park, Pike County-Ancient Rivers and Ages of Ice

An illustrated pamphlet containing a description of the geologic history and features within the park.
Content: Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: Free to educators.

PA44. Park Guide 19. Raymond B. Winter State Park, Union County-Scenery, Rocks, and Springs in Eastern Brush Valley

An illustrated pamphlet containing a description of the geologic history and features within the park.
Content: Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: Free to educators.

PA45. Park Guide 20. White Clay Creek Preserve, Chester County, Pennsylvania; New Castle County, Delaware-A Scenic Valley and the Arc Corner

A 12-page illustrated booklet containing a description of the geologic history and features within the park.
Content: Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Other: Booklet; Cost: Free to educators.

PA46. Park Guide 21. Presque Isle State Park, Erie County-A Dynamic Interface of Water and Land

A 13-page illustrated booklet containing a description of the geologic history and features within the park.
Content: Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Other: Booklet; Cost: Free to educators.

PA47. Environmental geology for land-use planning

PA48. General Geology Reports:
Mineral collecting in Pennsylvania
Guidebook to the geology of the Philadelphia area
Geology of the Pittsburgh area
Caves of southeastern Pennsylvania
Geology and biology of Pennsylvania caves

PA49. The mineral industry of Pennsylvania in 1987

PUERTO RICO GEOLOGICAL SURVEY

Ramon M. Alonso
Department of Natural Resources
Division of Geology
P.O. Box 5887
Puerta de Tierra, PR 00906
(809) 722-2526; FAX: (809) 724-0365

RHODE ISLAND GEOLOGICAL SURVEY

J. Allan Cain
Department of Geology
University of Rhode Island
315 Green Hall
Kinsgston, RI 02881
(401) 792-2265; FAX: (401) 792-2190

RI01. Minerals of Rhode Island

RI02. Rhode Island: the Last Billion Years

SOUTH CAROLINA DEPT. OF NATURAL RESOURCES - GEOLOGICAL SURVEY

Agnes Streetor
5 Geology Road
Columbia, South Carolina 29210
(803) 896-7708; FAX: (803) 896-7695

SC01. South Carolina Minerals and Rocks

An earth science study kit containing 24 South Carolina minerals and rocks with 22 page booklet.
Content: Bedrock geology/stratigraphy, Economic geology/petroleum, Minerals and rocks, Fossils; Elementary (K-6), Middle (7-9), General Public; Text-based: Scientific article, Fieldtrip guide; Service & Outreach: Direct assistance to teachers in classroom, Speakers bureau, Teacher workshop, Services to teachers and students at Survey office; Cost: $11.00, postage $3.00 (rock and mineral).

SC02. Rock and Mineral Kit and booklet - South Carolina Minerals and Rocks

SC03. Index. surficial geologic mapping 1856-1984, Geologic mapping in graduate theses and geologic field trip guidebooks in South Carolina and (supplement) Geologic map index 1984-1989

SC04. Catalog of the mineral localities of South Carolina

SC05. Corundum resources of South Carolina

SC06. Gold resources of South Carolina

SC07. Reconnaissance geologic map

and mineral deposit locations in the Smyrna region, York and Cherokee Counties, South Carolina

SC08. South Carolina Mines Inventory. Location of active and inactive mines and/or prospects plotted on 1 x 2 quadrangles

SC09. Gold mine localities for McCormick, Saluda and Edgefield Counties, South Carolina

SOUTH DAKOTA GEOLOGICAL SURVEY

Sarah Chadima
University of South Dakota
414 East Clark Street
Vermillion, SD 57069
(605) 677-5227; FAX (605) 677-5895

SD01. Natural Source

The Natural Source Project is a statewide project to improve the quality of environmental education in South Dakota. The book contains a complete directory of environmental education resources in South Dakota and information briefs (fact sheets) on all aspects of our state's environments and natural resources.

Content: eventually will contain all of these: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Other: SD habitats, SD fauna and flora, endangered species, SD environmental issues; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12) teachers; Text-based: Background descriptive materials developed for teachers, List of references and resources for teachers; Teaching Media: Maps, charts, posters; Cost: Free to South Dakota educators only, postage.

SD02. Vermillion Water Festival

The Vermillion Water Festival is an annual event for 4th graders in a five county area. Children, their teachers, and chaperons attend five 20-minute, hands-on presentations dealing with water.

Content: Hydrogeology, Other: All aspects of water; Elementary (4-6); Text-based: Free reference materials provided for teachers; Cost: Free to educators and students.

SD03. Environment Education Connections of South Dakota (EECSD)

EECSD is a non-profit organization of educators, cultural and natural researchers, interpreters, and organizations interested in fostering the advancement of environment education in South Dakota.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes, Other: Environment education; Elementary (K-6), Middle (7-9), High School (10-12) teachers; Text-based: Other: Newsletters; Service & Outreach: Annual Teacher workshop.

SD04. Project SAVE

Project SAVE (Studies Awareness and Values of the Environment) is a compilation of environmental information and activities. It is designed for schools and organizations for the purpose of educating South Dakota citizens about environmental protection and management.

Content: Hydrogeology, Environmental geology, Other: Air quality, solid waste, water quality; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12) teachers; Text-based: Background descriptive materials developed for teachers, Other: Hands-on activities/modules; Teaching Media, Maps, charts, posters, Board games; Service & Outreach: Teacher workshop, Cooperative programs for development of educational materials and teaching methods; Cost: Free to educators with workshop/class.

SD05. SDGS Publications

The SDGS has a number of scientific and educational materials available. The prices for these items are indicated in our List of Publications.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; Elementary (K-3), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Lay article useful to teachers/Educational leaflet, Scientific article, Fieldtrip

guide; Teaching Media: Audio-visual (videos), Maps, charts, posters; Service & Outreach: Direct assistance to teachers in classroom, Speakers bureau, Services to teachers and students at Survey office, Cooperative programs for development of educational materials and teaching methods; Cost: See Publications list.

SD06. Collecting in South Dakota (handout)

SD07. Record of Life

SD08. South Dakota's Rock History

SD09. A History of the South Dakota Geological Survey

SD10. Minerals and Rocks of South Dakota

SD11. Geologic Map of South Dakota

SD12. Generalized Glacial Map of South Dakota

SD13. A Guide Map for Rock Hounds and Pebble Pups

SD14. Major Physiographic Divisions of South Dakota

SD15. Geologic Map of the Black Hills

SD16. Generalized Stratigraphic Column of Central and Northwestern South Dakota

SD17. A Tourist Guide of the Black Hills

SD18. Recorded Earthquakes in South Dakota, 1872 -1992

SD19. Mineral and Water Resources of South Dakota

SD20. Geology of Selected Highway Strips in South Dakota

TENNESSEE DIVISION OF GEOLOGY

Marvin Berwind
401 Church street, 13th Floor L&C Tower
Nashville, TN 37243-0443
(615) 532-1508; FAX: (615) 532-0231

TN01. Geology of Tennessee Slide and Sample Presentation

Slide presentation covering geology, stratigraphy, physiography, geologic hazards, environmental problems and solutions, oil and gas/mining operations, mineral samples, maps (Geologic, Topographic, Well Location).

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes; Elementary (K-6) students, Middle (7-9) students, High School (10-12) students, Post Secondary students, General Public; Text-based: Background descriptive materials developed for teachers, Lay article useful to teachers/Educational leaflet; Service & Outreach: Direct assistance to teachers in classroom, Service to teachers and students at Survey office; Cost: Free to educators.

TN02. Tennessee Rock/Mineral Set

Five rock/mineral specimens with brief statement about each, pamphlet about State Survey, several maps.

Content: Bedrock geology/stratigraphy, Minerals and rocks; Elementary (K-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Teaching Media: Maps, charts, posters, Mineral kits; Service & Outreach: Direct assistance to teachers in classroom, Services to teachers and students at Survey office; Cost: Free to educators.

TN03. List of Gem & Mineral and Fossil Localities (with disclaimer)

TN04. Caves of Tennessee

TN05. Tennessee Rock and Minerals

Resources

TN06. Descriptions of Tennessee Caves

TN07. The Geologic History of Tennessee

TN08. Vertebrate Fossils of Tennessee

TN09. Natural Bridges of Tennessee

TN10. Tennessee Minerals Annual

TN11. Guidebook to Geology along Tennessee Highways

TN12. Guide to the Geology along Interstate Highways in Tennessee

TN13. Oil for Today

TN14. Rocks and Minerals of Tennessee, a Guide to Identification, Occurrence, Production, and Uses

TN15. Safety and Conservation in Tennessee Caves

TN16. Geology along Interstate 40 through Pigeon River Gorge, Tennessee - North Carolina

TN17. Field Guide to the Geology of Falls Creek Falls

TN18. Earthquake Hazards in Tennessee

TN19. Geologic Hazards Map of Tennessee

TN20. Miscellaneous
Tennessee Directory of Geologists and Geoscientists
Miniature State Geologic Map
Mineral Resources and Mineral Industry Map of Tennessee

TEXAS GEOLOGICAL SURVEY

L.E. Garner
Bureau of Economic Geology
P.O. Box X, University Station
Austin, Texas 78713
(512) 471-1534; FAX (512) 471-0140

TX01. Rock Kit

Contains 10 small samples of Texas rocks and an information sheet describing each rock. Included are calcite, chert, dolomite, feldspar, granite, graphite schist, limestone, marble, milky quartz, and soapstone.
Content: Minerals and rocks; Elementary (4-6), Middle (7-9), High School (10-12), General Public; Teaching Media: Mineral kits; Service and Outreach: Direct assistance to teachers in classroom; Cost: $1.00, credit cards are accepted.

TX02. Texas Fossils: An Amateur Collector's Handbook

Discusses fossil nomenclature, identification, collection, and preservation.
Content: Fossils; Elementary (4-6), Middle (7-9), High School (10-12), General Public; Text-based: Background descriptive materials developed for teachers, Lay article useful to teachers/Educational leaflet; Service and Outreach: Direct assistance to teachers in classroom; Cost: $3.50, credit cards accepted.

TX03. The Geologic Story of Longhorn Cavern

Discusses geologic history, origin, cave-forming processes, and cavern deposits.
Content: Bedrock geology/stratigraphy, Hydrogeology, Geologic principles/processes; Middle (7-9), High School (10-12), General Public; Text-based: Background descriptive materials developed for teachers, Lay article useful to teachers/Educational leaflet, Fieldtrip guide; Service and Outreach: Direct assistance to teachers in classroom; Cost: $3.00, credit cards accepted.

TX04. Texas Rocks and Minerals: An Amateur's Guide

Presents a brief, simple guide to rock and mineral collection and identification.

Content: Minerals and rocks; Elementary (4-6), Middle (7-9), General Public; Text-based: Background descriptive materials developed for teachers, Textbook/handbook/laboratory manual/teacher manual; Service and Outreach: Direct assistance to teachers in classroom; Cost: $2.50, credit cards accepted.

TX05. The Big Bend of the Rio Grande, A Guide to the Rocks, Landscape, Geologic History, and Settlers of the Area of Big Bend National Park

Discusses the area geology and natural history, place names and legends, and natural uses of plant life from the Big Bend.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Geologic principles/processes; Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Textbook/handbook/laboratory manual/teacher manual, List of references and resources for teachers, Fieldtrip guide; Service and Outreach: Direct assistance to teachers in classroom; Cost: $5.00, credit cards accepted.

TX06. The Geologic Story of Palo Duro Canyon

Includes park history, a description of how the canyon was formed, and what to do and see at Palo Duro Canyon State Park.

Content: Bedrock geology/stratigraphy, Geologic principles/processes; Middle (7-9), High School (10-12), General Public; Text-based: Background descriptive materials developed for teachers, Textbook/handbook/laboratory manual/teacher manual, List of references and resources for teachers, Fieldtrip guide; Service and Outreach: Direct assistance to teachers in classroom; Cost: $2.50, credit cards accepted.

TX07. Guide to Points of Geologic Interest in Austin

Introduces 35 geologic sites in the Austin area and includes a field trip road log.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Geologic principles/processes; Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Textbook/handbook/laboratory manual/teacher manual, Fieldtrip guide; Service and Outreach: Direct assistance to teachers in classroom; Cost: $4.00, credit cards accepted.

TX08. Padre Island National Seashore--A Guide to the Geology, Natural Environments, and History of a Texas Barrier Island

Discusses and explains island and lagoon environments, beach processes, and natural records left by those processes. Also includes a road log for a short field trip.

Content: Surficial geology/glacial geology, Geologic principles/processes, Other; Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Textbook/handbook/laboratory manual/teacher manual, List of references and resources for teachers, Fieldtrip guide; Service and Outreach: Direct assistance to teachers in classroom, Cost: $5.00, credit cards accepted.

TX09. Geology of Monahans Sandhills State Park, Texas

Provides the reader or park visitor with a better understanding of the Sandhills' origin, geology, and physical and biological processes.

Content: Surficial geology/glacial geology, Geologic principles/processes; Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Textbook/handbook/laboratory manual/teacher manual, List of references and resources for teachers, Fieldtrip guide; Service and Outreach: Direct assistance to teachers in classroom; Cost: $2.50, credit cards accepted.

TX10. Geomorphology and Quaternary Stratigraphy of the Rolling Plains, Texas Panhandle

Summarizes recent interpretations of physical processes and selected examples of geologic phenomena in parts of the Rolling Plains and Southern High Plains.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Environmental geology, Geologic principles/processes; High School (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Scientific article, Textbook/handbook/laboratory manual/teacher manual,

List of references and resources for teachers, Fieldtrip guide; Service and Outreach: Direct assistance to teachers in classroom; Cost: $4.00, credit cards accepted.

TX11. Guide to the Permian Reef Geology Trail, McKittrick Canyon, Guadalupe Mountains National Part, West Texas

Provides detailed description of the limestone facies along the Permian Reef Geology Trail.

Content: Bedrock geology/stratigraphy, Fossils; High School (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Scientific article, Textbook/handbook/ laboratory manual/teacher manual, List of references and resources for teachers, Fieldtrip guide; Service and Outreach: Direct assistance to teachers in classroom; Cost: $8.50, credit cards accepted.

TX12. Potential Geothermal Resources of Texas

Explains how geothermal areas formed, where they are located, and what their resource potential is.

Content: Economic geology/petroleum, Hydrogeology, Geologic principles/processes; High School (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Scientific article, Textbook/handbook/ laboratory manual/teacher manual, List of references and resources for teachers; Service and Outreach: Direct assistance to teachers in classroom; Cost: $.75, credit cards accepted.

TX13. The Gulf Shoreline of Texas: Processes, Characteristics, and Factors in Use

Explains geologic beach processes, types of shoreline features, and areas of critical environmental concern.

Content: Surficial geology/glacial geology, Geologic principles/processes, Other; High School (10-12) teachers, Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Scientific article, Textbook/handbook/ laboratory manual/teacher manual, List of references and resources for teachers, Fieldtrip guide; Service and Outreach: Direct assistance to teachers in classroom; Cost: $1.25, credit cards accepted.

TX14. Shoreline and Vegetation-Line Movement, Texas Gulf Coast, 1974 to 1982

Documents shoreline and vegetation-line changes and the effects of sea level, rainfall, storms, and river flow on these changes.

Content: Surficial geology/glacial geology, Geologic principles/processes, Other; High School (10-12) teachers, Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Scientific article, Textbook/handbook/ laboratory manual/teacher manual, List of references and resources for teachers, Fieldtrip guide; Service and Outreach: Direct assistance to teachers in classroom; Cost: $3.00, credit cards accepted.

TX15. A Compendium of Earthquake Activity in Texas

Provides a complete evaluation of Texas seismicity, incorporating all known previous reports and observations of earthquakes and temblors affecting Texas.

Content: Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/ processes; High School (10-12) teachers, Post Secondary teachers, General Public; Text-based: Scientific article, Textbook/handbook/laboratory manual/teacher manual, List of references and resources for teachers; Service and Outreach: Direct assistance to teachers in classroom; Cost: $3.50, credit cards accepted.

TX16. Texas Gemstones

Discusses properties of gemstones and cutting and polishing, and describes gemstones found in Texas.

Content: Minerals and rocks; Elementary (4-6), Middle (7-9), High School (10-12), General Public; Text-based: Background descriptive materials developed for teachers, Lay article useful to teachers/Educational leaflet, Textbook/handbook/laboratory manual/teacher manual, List of references and resources for teachers; Service and Outreach: Direct assistance to teachers in classroom; Cost: $2.50, credit cards accepted.

TX17. Hurricanes as Geological Agents: Case Studies of Hurricanes Carla, 1961, and Cindy, 1963

Documents the powerful effects of hurricanes on the Texas Coast.

Content: Engineering geology/geologic hazards, Geologic principles/processes; Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Scientific article, Textbook/ handbook/laboratory manual/teacher manual, List of references and resources for teachers; Service and

Outreach: Direct assistance to teachers in classroom; Cost: $1.25, credit cards accepted.

TX18. Approaches to Environmental Geology

Details case studies of completed environmental projects conducted in different parts of Texas.

Content: Environmental geology; High School (10-12) teachers, Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Scientific article, Textbook/handbook/ laboratory manual/teacher manual, List of references and resources for teachers; Service and Outreach: Direct assistance to teachers in classroom; Cost: $3.50, credit cards accepted.

TX19. Gold and Silver in Texas

Summarizes known occurrences and production of gold and silver in Texas.

Content: Economic geology/petroleum, Minerals and rocks; High School (10-12) teachers, Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Scientific article, Textbook/handbook/laboratory manual/teacher manual, List of references and resources for teachers; Service and Outreach: Direct assistance to teachers in classroom; Cost: $1.50, credit cards accepted.

TX20. Annotated Bibliography of Mineral Deposits in Trans-Pecos Texas

Lists maps and descriptions of mineral localities in the Trans-Pecos area.

Content: Bedrock geology/stratigraphy, Economic geology/petroleum, Minerals and rocks; High School (10-12) teachers, Post Secondary teachers, General Public; Text-based: List of references and resources for teachers; Service and Outreach: Direct assistance to teachers in classroom; Cost: $5.00, credit cards accepted.

TX21. Texas Lignite--Status and Outlook to 2000

Assesses lignite resources and reserves, synthetic fuels, industrial use, and future demand.

Content: Economic geology/petroleum, Environmental geology; High School (10-12) teachers, Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Scientific article, Textbook/handbook/laboratory manual/teacher manual, List of references and resources for teachers; Service and Outreach: Direct assistance to teachers in classroom; Cost: $2.00, credit cards accepted.

TX22. Sulfur in Texas

Describes history, uses, properties, mining and recovery methods, economic factors, and future outlook for sulfur in Texas.

Content: Economic geology/petroleum, Minerals and rocks, Engineering geology/geologic hazards; High School (10-12) teachers, Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Lay article useful to teachers/Educational leaflet, Textbook/handbook/ laboratory manual/teacher manual, List of references and resources for teachers; Service and Outreach: Direct assistance to teachers in classroom; Cost: $2.00, credit cards accepted.

TX23. Bituminous Coal in Texas

Presents coal data by region and county, supplemented by field observations.

Content: Bedrock geology/stratigraphy, Economic geology/petroleum; High School (10-12) teachers, Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Scientific article, Textbook/handbook/laboratory manual/teacher manual; Service and Outreach: Direct assistance to teachers in classroom; Cost: $3.50, credit cards accepted.

TX24. Natural Hazards of the Texas Coastal Zone

Documents the distribution and occurrence of hazards such as shoreline erosion, subsidence, faulting, flooding, and hurricanes.

Content: Surficial geology/glacial geology, Engineering geology/geologic hazards, Geologic principles/processes, Other; High School (10-12) teachers, Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Scientific article, Textbook/handbook/ laboratory manual/teacher manual, List of references and resources for teachers, Fieldtrip guide; Service and Outreach: Direct assistance to teachers in classroom; Cost: $3.00, credit cards accepted.

TX25. Environmental Geologic Atlas of the Texas Coastal Zone

Contains text and environmental map for each of seven topics: physical properties, biological assemblages, current land use, rainfall, discharge and surface salinity, topography, and bathymetry. Also includes geologic maps. Each volume describes a separate coastal area: Bay City-Freeport, Beaumont-Port Arthur, Brownsville-Harlingen, Corpus Christi, Galveston-Houston, Kingsville, Port Lavaca.

Content: Surficial geology/glacial geology, Environmental geology, Engineering geology/geologic hazards, Geologic principles/processes, Other; Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Scientific article, Textbook/handbook/laboratory manual/teacher manual, List of references and resources for teachers, Fieldtrip guide; Teaching Media: Maps, charts, posters; Service and Outreach: Direct assistance to teachers in classroom; Cost: various prices, credit cards accepted.

TX26. Geology of Texas Map

A page-sized color map (8.5 x 11 inches) with a synopsis of the geology of Texas printed on the back.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology; Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Teaching Media: Maps, charts, posters; Service and Outreach: Direct assistance to teachers in classroom; Cost: $.25, credit cards accepted.

TX27. Geologic Map of Texas

A color wall map (81 x 102 inches) comprising four sheets (each sheet 42 x 52 inches), scale 1:500,000.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology; High School (10-12) teachers, Post Secondary, General Public; Teaching Media: Maps, charts, posters; Service and Outreach: Direct assistance to teachers in classroom; Cost $22.50, credit cards accepted.

TX28. Land Resources of Texas

A color map (80 x 100 inches) comprising four sheets (each sheet is 40 x 50 inches), scale 1:500,000. An accompanying booklet describes various properties of the land resource units in Texas.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Engineering geology/geologic hazards, Other; High School (10-12) teachers, Post Secondary, General Public; Text-based: Textbook/handbook/laboratory manual/teacher manual; Teaching Media: Maps, charts, posters; Service and Outreach: Direct assistance to teachers in classroom; Cost: $7.50, credit cards accepted.

TX29. Mineral Resources of Texas

A color map (41 x 51 inches), scale 1:1,000,000.
Content: Economic geology/petroleum, Minerals and rocks; High School (10-12) teachers, Post Secondary, General Public; Teaching Media: Maps, charts, posters; Service and Outreach: Direct assistance to teachers in classroom; Cost: $2.50, credit cards accepted.

TX30. Tectonic Map of Texas

A page-sized color map (8.5 x 11 inches) with a synopsis of the structural features of Texas printed on the back.
Content: Geophysics/remote sensing, Geologic principles/processes, Other; Middle (7-9) teachers, High School(10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, Textbook/handbook/laboratory manual/teacher manual; Teaching Media: Maps, charts, posters; Service and Outreach: Direct assistance to teachers in classroom; Cost: $.25, credit cards accepted.

TX31. Tectonic Map of Texas

A color wall map (65 x 67 inches) comprising four sheets (each sheet is 35 x 35 inches), scale 1:750,000. Includes a booklet, *The Tectonic Framework of Texas.*
Content: Geophysics/remote sensing, Geologic principles/processes, Other; High School (10-12) teachers, Post Secondary teachers, General Public; Text-based: Scientific article; Teaching Media: Maps, charts, posters; Service and Outreach: Other; Cost: $15.00, credit cards accepted.

TX32. Geologic Atlas of Texas Map Series

Color geologic maps printed on standard AMS topographic base. Each map covers ~1 degree of latitude and 2 degrees of longitude; scale is ~1 inch to 4 miles, and size is 24 x 36 inches.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology; High School (10-12) teachers, Post Secondary teachers, General Public; Teaching Media: Maps, charts, posters; Service and Outreach: Other; Cost: $6.00, credit cards accepted.

TX33. Geologic and Historic Guide to the State Parks of Texas

TX34. Geology of the Llano Region and Austin Area

TX35. Igneous Geology of Trans-Pecos Texas - Field Trip Guide and Research Articles

TX36. Iron Ore in Llano Region, central TX

TX37. Lead Deposits in the Upper Cambrian of Central TX

TX38. Mineral Resources of the Colorado River Industrial Development Association Area

TX39. Vermiculite in Central Texas

TX40. Mineral Resources of South Texas: Region served through the Port of Corpus Christi

TX41. Building Stones of Central Texas

TX42. Texas Mineral Resources

TX43. Mineral Resource Circulars:
Mineral Resources of the Texas Coastal Plain

TX44. Geologic Circulars:
Mineral Resources and Conservation in Texas
Resource Capability Units
Evaluation of Sanitary Landfill Sites
Land Resources inventory of Lignite Strip-Mining Areas
Texas Energy Reserves and Resources
Recent Production Trends and Outlook for Future Oil and Gas Supplies in Texas

TX45. Mineral Resources of South Texas: Region Served through the Port of Corpus Christi

TX46. Land Capability in the Lake Travis Vicinity, Texas

TX47. Environmental Geology of the Austin Area

TX48. Land and Water Resources, Historical Changes, and Dune Criticality, Mustang and North Padre Islands, Texas

TX49. Lignite Resources in Texas

TX50. Native Bituminous Materials in Texas

TX51. Fluorspar in Texas (Handbook)

TX52. Geological Circulars
Mineral Deposits in the West Hinati Stock, Chinati Mountains, Presidio Co, TX
Asbestos in the Allamoore talc district, Hudspeth and Culberson Counties, TX

UTAH GEOLOGICAL SURVEY

Sandy Eldredge
2363 South Foothill Drive
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UT01. A short course in petroleum geology, with examples from Utah's petroleum provinces (OFR-150)
Two teacher volumes of 4; Volume 1 is the teacher manual (186p.) that delineates key words and phrases, contains diagrams. Volume 3 is the teacher manual for the WILDCAT GAME (volume 4)
Content: Economic geology/petroleum; Middle (7-9), High School (10-12), Post Secondary students; Text-based: Background descriptive materials developed for teachers, Textbook/handbook/laboratory manual/teacher manual; Cost: $16.50 (v.1) $6.50 (v.3), credit cards accepted.

UT02. Places with Hazards: A teacher's handbook on natural hazards in Utah-The earthquake hazard in Utah (OFR-211A)
Teacher manual describes causes and effects of earthquakes, where earthquakes have occurred and can be expected to occur in Utah. Includes master sheets, activities, diagrams, maps, glossary and resources. Slide set available separately.
Content: Engineering geology/geologic hazards; Middle (7-9) teachers, High School (10-12) teachers; Text-based: Background descriptive materials developed for

teachers, Textbook/handbook/laboratory manual/teacher manual; List of references and resources for teachers; Teaching Media: Audio-visual (slides), Maps, charts, posters, Manipulables (activities); Cost: $6.80/text, $12.00/slides, credit cards accepted.

UT03. Places with Hazards: A teacher's handbook on natural hazards in Utah - Slope failures in Utah (OFR-211B)

Teacher manual describes causes and effects of slope failures, where slope failures have occurred and can be expected to occur in Utah. Includes master sheets, activities diagrams, maps glossary and resources. Slide set available separately.

Content: Engineering geology/geologic hazards, Middle (7-9) teachers, High School (10-12) teachers; Text-based: Background descriptive materials developed for teachers, Textbook/handbook/laboratory manual/teacher manual; List of references and resources for teachers; Teaching Media: Audio-visual (slides), Maps, charts, posters, Manipulables (activities); Cost: $3.70/text, $8.00/slides, credit cards accepted.

UT04. Places with hazards: A teacher's handbook, on natural hazards in Utah - Problem soil and rock in Utah (OFR-211C)

Teacher manual describes causes and effects of problem soil and rock. Where problem soil and rock have occurred and can be expected to occur in Utah. Includes master sheets, activities, diagrams, maps, glossary and resources. Slide set available separately.

Content: Engineering geology/geologic hazards; Middle (7-9) teachers, High School (10-12) teachers; Text-based: Background descriptive materials developed for teachers, Textbook/handbook/laboratory manual/teacher manual, List of references and resources for teachers; Teaching Media: Audio-visual (slides), Maps, charts, posters, Manipulables (activities); Cost: $1.75/text, $6.00/slides, credit cards accepted.

UT05. Places with hazards: A teacher's handbook on natural hazards in Utah - The radon hazard in Utah (OFR-211D)

Teacher manual describes causes and effects of radon. Where radon has occurred and can be expected to occur in Utah. Includes master sheets, activities, diagrams, maps, glossary and resources. Slide set available separately.

Content: Engineering geology/geologic hazards; Middle (7-9) teachers, High School (10-12) teachers; Text-based: Background descriptive materials developed for teachers, Textbook/handbook/laboratory manual/teacher manual, List of references and resources for teachers; Teaching Media: Audio-visual (slides), Maps, charts, posters, Manipulables (activities); Cost: $2.75/text, $6.00/slide, credit cards accepted.

UT06. Earthquake awareness and risk reduction in Utah (video)

24 - minute video

Content: Engineering geology/geologic hazards; Elementary (4-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Teaching Media: Audio-visual (video); Cost: $6.00, credit cards accepted.

UT07. A Salt Lake Valley field trip guide for educators teaching 8th grade science

A basic guide to various geological features; includes stops for school buses. Matches specific state core curriculum standards objectives, and contains diagrams, photos, and worksheets.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Minerals and rocks, Geologic principles/processes; Middle (7-9) teachers; Text-based: Field trip guide; Cost: $3.75, credit cards accepted.

UT08. Earthquake fault maps (8 x 11) of portions of Davis, Salt Lake, Utah, and Weber counties in Utah

Free handouts that show faults; can locate home and schools.

Content: Engineering geology/geologic hazards, Elementary (K-6), Middle (7-9), High School (10-12), General Public; Teaching Media: Maps, charts, posters; Cost: Free to educators.

UT09. Liquefaction - potential maps (8x11) of portions of Davis, Salt Lake, Utah and Weber Counties in Utah

Free handouts that show liquefaction potential; can locate home and/or school.

Content: Engineering geology/geologic hazards, Elementary (4-6), Middle (7-9), High School (10-12), Post Secondary students, General Public; Teaching

Media: Maps,charts, posters; Cost: Free to educators.

UT10. Radon-hazard potential in portions of Salt Lake and Utah Counties in Utah

Radon-hazard; can approximate home and/or school locations.

Content: Engineering geology/geologic hazards; Elementary (K-6), Middle (7-9), High School (10-12), General Public; Teaching Media: Maps, charts, posters; Cost: Free to educators.

UT11. Utah's Geologic History

Four-page foldout summarizes the geologic history of Utah, includes pictorials for each geologic period, and some geological facts of Utah.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary students, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Teaching Media: Maps, charts, posters; Cost: Free to educators.

UT12. Field trip along the Wasatch Front

1-day field trip for teachers, offered in the fall (annually)

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Geologic principles/processes; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12) teachers; Service & Outreach: Direct assistance to teachers in classroom; Cost: Free to educators.

UT13. Rock, mineral, and fossil kits

Over 40 identified samples per kit.

Content: Minerals and rocks, Fossils; Elementary (K-6), Middle (7-9), High School (10-12); Teaching Media: Mineral kits; Cost: Free to educators.

UT14. "Teacher's Corner" in the Utah Geological Survey's Survey Notes

Section in the Newsletter (3/yr) informs teachers about educational activities and resources, as well as provides trivia and/or activities.

Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12) teachers; Text-based: Background descriptive materials developed for teachers, List of references and resources for teachers; Cost: Free to educators.

UT15. Publications for teachers

A two-page list of Utah Geological Survey publications that might be of interest to teachers: includes field trips, courses, maps, kits, videos, and miscellaneous brochures for the lay person.

Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12) teachers; Text-based: List of references and resources for teachers; Service & Outreach: Services to teachers and students at Survey office; Cost: Free to educators.

UT16. Publications for Teachers - Field Trips:

Geologic road log - Spanish Fork, Utah to Price, Utah

Geology and scenery of the central Wasatch Range, Salt Lake and Summit Counties

Geologic tours of northern Utah

National Science Teachers Association Great Salt Lake field trip

UT17. Maps

Geologic map of Utah (2 scales)

Relief map of Utah

Physiographic subdivisions of Utah

Energy resources map of Utah

Geologic map of Arches National Park and vicinity, Grand County, Utah

Geologic map of Capitol Reef National Park and vicinity, Utah

Postcard geologic map of Utah

Postcard geologic map of Grand County, Utah

Postcard geologic map of Kane County, Utah

Postcard geologic map of Arches National Park

Shallow ground water and related hazards in Utah

Flood hazards from lakes and failures of dams in Utah

Geologic map of Antelope Island (State Park), Davis County, Utah

Landslide map of Utah

The radon-hazard-potential map of Utah

Utah geological highway map

UT18. Rockhound guide to mineral and fossil localities in Utah

UT19. Scenes of the plateau lands and how they came to be

UT20. Map of Lake Bonneville, a water body of the Quaternary period

UT21. The Great Salt Lake, Utah

UT22. Geology and Grand County

UT23. Geology of Utah

UT24. Rockhound guide to selected rock and mineral localities in Utah

UT25. Mineral fuels and associated energy resources

UT26. Industrial commodities: non-metallic resources of Utah

UT27. Semiprecious gemstones and ornamental stones found in Utah

UT28. Gold prospecting in Utah

UT29. Geology and Antelope Island State Park, Utah

UT30. Geologic resources of Box Elder County, Utah

UT31. Geologic tours of northern Utah

UT32. A geologic tour through Wasatch Mountain State Park

UT33. Public Information Series
- *Geothermal resources map of Utah*
- *Geologic resources of Salt Lake County, Utah*
- *Earthquake hazards and safety in Utah*
- *Geologic resources of Summit County, Utah*
- *Great Salt Lake information sheet*
- *Geology and scenery of the central Wasatch Range, Salt Lake and Summit Counties*
- *Earthquake awareness and risk reduction in Utah*
- *Permitted mine locations and mineral processing plants in Utah*
- *The geology of Snow Canyon State Park, Washington County, Utah*
- *Geologic resources of San Juan County, Utah*
- *Generalized geology of Snow Canyon State Park, Washington Co., Utah*
- *Antelope Island State Park, Davis County, Utah*
- *Utah stone*
- *Radon-hazard potential in the Sandy - Draper area, Salt Lake County, Utah*
- *Geologic resources of Washington County, Utah*
- *Radon-hazard potential in the Provo-Orem area, Utah County, Utah*
- *Rules and regulations regarding rock and mineral collecting in Utah*
- *Liquefaction-potential map (parts of different counties)*
- *Special issue on Utah (reprint of Rocks and Minerals Utah Special)*
- *Liquefaction-potential map for a part of Weber County, Utah*
- *Liquefaction-potential map for a part of Utah County, Utah*
- *Earthquake ground shaking in Utah*

UT34. Mines and prospects containing gold in Utah

UT35. Places with hazards: a teacher's handbook on natural hazards in Utah (4 topics with slides)

UT36. The citizens' guide to geologic hazards (AIPG-1)

UT37. Landsat poster of Utah Geology of Utah (USU-1)

VERMONT GEOLOGICAL SURVEY

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VT01. Vermont Geological Survey

We answer requests for geologic information from the general public as well as other state agencies. We serve as a resource by having a library of geologic information for use as well as selling all publications and maps of the Vermont Geological Survey.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology, Minerals and rocks, Fossils, Environmental geology; Elementary (K-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Scientific article, List of references and resources for teachers; Teaching Media: Mineral kits; Service & Outreach: Services to teachers and students at Survey office; Cost: varies, discount to teachers.

VT02. Fossils of the Lake Champlain Region (sheet)

VT03. A Brief Fossil History of Vermont

VT04. Geology of Vermont

VT05. Rockhounding in Vermont

VT06. Paleontology of the Champlin basin in Vermont

VT07. Mineral Collecting in Vermont

VT08. Vermont handbook for soil erosion and sediment control on construction sites

VT09. State Parks

The geology of Button Bay State Park
The geology of Calvin Coolidge State Forest
The geology of D.A.R. State park, Mt. Philo State Forest Park, Sand Bar State Park
The geology of Darling State Park
The geology of Groton State Forest
The geology of Mt. Mansfield State Forest

VIRGINIA DIVISION OF MINERAL RESOURCES

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Charlottesville, VA 22903
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VA01. Rock Samples

Several common Virginia rocks and minerals thumbnail size samples are glued on a specific titled card with descriptive information.

Content: Minerals and rocks; Elementary (4-6), Middle (7-9); Text-based: Lay article useful to teachers/Educational leaflet; Teaching Media: Mineral kits (single specimen); Cost: Free to educators.

VA02. Catalogue

Catalogue of field trips, guidebooks, and road logs conducted in Virginia by various organizations; listing by county.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Fossils, Environmental geology; High School (10-12) teachers, Post Secondary teachers, General Public; Text-based: List of references and resources for teachers; Cost: $5.00, plus 4.5% sales tax.

VA03. Brochures

Eight (8) single topic brochures on Sinkholes; Oil and Gas; Mineral Collecting; Gold; Earthquakes; Diamonds; Caves and Caving in Virginia; and Coal in Virginia. In preparation: Salt in Virginia; General Geology of Virginia.

Content: Economic geology/petroleum, Minerals and rocks, Environmental geology; High School (10-12), General Public; Text-based: Lay article useful to teachers/Educational leaflet; Cost: Free to educators.

VA04. Virginia Minerals (published quarterly)

VA05. Mineral Collecting in Virginia (brochure)

VA06. Gold in Virginia (brochure)

VA07. Eden in Peril: The troubled waters of the Chesapeake Bay

VA08. Thomas Jefferson and American vertebrate paleontology

VA09. Minerals of Albemarle County, Virginia

VA10. Catalogue of fieldtrip guidebooks and road logs

VA11. Descriptions of Virginia caves

VA12. Geology of the Shenandoah National Park, Virginia

VA13. Geology of Luray Caverns, Virginia

VA14. Identification guide to common minerals and rocks of Virginia

VA15. Guide to fossil collecting in Virginia

VA16. Brochures
Sinkholes
Caves and caving in Virginia
Oil and gas in Virginia
Gold in Virginia

VA17. Books
Minerals of Virginia - 1990
Minerals of Virginia, 1990 - an update
Geology and Virginia
Minerals of the Washington,D.C. area
Roadside Geology of Virginia
Guidebook to the Natural Bridge and Natural Bridge Caverns

WASHINGTON DIVISION OF GEOLOGY AND EARTH RESOURCES

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Olympia, WA 98504-7007
(360) 902-1450; FAX (360) 902-1785

WA01. Information sheets, pamphlets, publications. Information covers the geology, geologic hazards, and mineral resources of Washington state.
Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Environmental geology, Engineering geology/geologic hazards, Geologic principles/processes; High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, Scientific article, List of references and resources for teachers, Fieldtrip guide; Teaching Media: Computer (IBM, Macintosh), Maps, charts, posters, Manipulables (metal deposits GSMODS, Minerals, Slides; Service & Outreach: Direct assistance to teachers in classroom, Services to teachers and students at Survey office; Cost: See publication list.

WA02. Selected References on Washington Geology for Teachers and Students

WA03. Dinosaur Bibliography for Teachers and Students

WA04. Selected Materials on Mineral Collecting in Washington

WA05. Gem and Minerals of Washington (map)

WA06. Guide to Geologic, Mineral, Fossil, and Mining History Displays in Washington

WA07. Washington Minerals, Fossils, Lapidary Materials, Geology. July/ August 1991 issue, Rocks and Minerals

WA08. Geologic Map of Washington

WA09. Geology of the Washington Coast between Point Grenville and the Hoh River

WA10. Washington Coastal Geology between the Hoh and Quillayute Rivers

WA11. The Mineral Industry of Washington - Highlights of its Development, 1853-1980.

WEST VIRGINIA GEOLOGICAL AND ECONOMIC SURVEY

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The West Virginia Geological Survey provides K-12 educators with a wide range of hands on classroom and field activities coordinated and supervised by the Survey's full time Education Specialist. Teachers may participate in RockCamp summer residency earth science institutes or contact the Survey to arrange for student tours, field trips and classroom visits. Samples of West Virginia rocks, such as coal, is available free to educators upon request.

Publications, Maps and Services of the West Virginia Geological and Economic Survey (ED-A) is a reference publication free to teachers. This guide provides an inclusive list of maps (page-size to poster), state park and field trip guidebooks, road logs, and numerous other publications which may be useful to the classroom teacher.

WV01. RockCamp Earth Science Activity Series

These books are compilations of classroom earth science activities developed, written,and tested by K-12 participants of the West Virginia Geological Survey's ongoing RockCamp teacher enhancement project. Continually revised, call for availability.

1. *Ideas and Activities Presented by Participants of RockCamp at the 1993 meeting of the West Virginia Science Teachers Association*, 15 activities.
2. *Ideas and Activities Presented by RockCamp Participants at the 1994 meeting of the West Virginia Science Teachers Association*, 9 activities
3. *Ideas and Activities Presented by during the RockCamp Shar-A-Thon at the 1995 meeting of the West Virginia Science Teachers Association*, 12 activities.
4. *Ideas and Activities presented by RockCamp II Outreach and Resource Specialists at the 1995 Eastern Region meeting of the National Science Teachers Association*, 7 activities.
5. *RockCamp, A sampler of Activities presented at the 1993 Eastern Regional Meeting of the National Association of Science Teachers.*
6. *RockCamp, 1992 Participant Activity Ideas*, 28 activities.
7. *RockCamp, 1993 Participant Activity Ideas*, 49 activities.
8. *RockCamp, 1994 Participant Activity Ideas*, 41 activities.
9. *RockCamp, 1995 Participant Activity Ideas*, 20 activities.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geologic principles/processes, Other; Elementary (K-3), Middle (7-9), High School (10-12); Text-based: Background descriptive materials developed for teachers, Textbook/handbook/laboratory manual/teacher manual; Service & Outreach: Direct assistance to teachers in classroom, Teacher workshop, Services to teachers and students at Survey office, Cooperative programs for development of educational materials and teaching methods; Cost: varies, discounts to teachers, credit cards accepted.

WV02. Videos

1. *Rocks and Rivers: West Virginia's Geologic Heritage*, Historical photographs and modern film footage combine for an entertaining and educational look at the prominent role geology has played in creating "Almost Heaven, West Virginia"

(grade levels 6-16), 1993, 19 minutes.

2. *How Old are the Hills?*, Nature Walk - Adventures in the Natural World, Episode #7, West Virginia Geology, 1994, Produced by Walkabout Productions. Staff geologists take two middle school students point out clues to understanding West Virginia's unique mountains at various field locations, (grade levels 4-16), 19 minutes.

Content: Bedrock geology/stratigraphy, Economic geology/petroleum, Minerals and rocks, Fossils, Environmental geology, other; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Teaching Media: Audio-visual: type VHS; Service & Outreach: Direct assistance to teachers in classroom, Teacher workshop, Services to teachers and students at Survey office, Cooperative programs for development of educational materials and teaching methods; Cost: varies, discounts to teachers, credit cards accepted.

WV03. Reprints

1. *Regional and geologic geology of Pennsylvanian-age coal beds of West Virginia*, 1993 International Journal of Coal Geology, a good introduction to the geology stratigraphy, and economic importance of West Virginia coal.

2. *Mountain State Coal* - Compilation of coal-related articles published between 1971 and 1989 in the Surveys annual *Mountain State Geology* magazine, 185 pages.

Contents: Bedrock geology/stratigraphy, Economic geology/petroleum, Minerals and rocks, Fossils, Other; Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, Scientific article; Service & Outreach: Direct assistance to teachers in classroom, Teacher workshop, Services to teachers and students at Survey office, Cooperative programs for development of educational materials and teaching methods; Cost: varies, discounts to teachers, credit cards accepted.

WV04. ED-A Publications, Maps and Services of the West Virginia Geological and Economic Survey: revised

and reprinted annually. Indexed. Separate Price List/Order Form.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes, other; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12), Post secondary, General Public; Text-based: List of references and resources for teachers; Service and Outreach: Direct assistance to teachers in classroom, Teacher workshop, Services to teachers and students at Survey Office, Cooperative programs for development of educational materials and teaching methods; Cost: varies, discounts to teachers, credit cards accepted.

WV05. ED-B I.C. White Memorial Symposium - "The Age of the Dunkard" - Symposium Abstracts and Reference Papers, 1972

Abstracts of the 15 pages presented, an abstract of the reference paper by Havlena, and the entire reference paper by Dunbar.

Content: Bedrock geology/stratigraphy, Fossils; Middle (7-9) teachers, High School (10-12) teachers, Post Secondary; Text-based: Scientific article; Service & Outreach: Direct assistance to teachers in classroom, Teacher workshop, Services to teachers and students at Survey office, Cooperative programs for development of educational materials and teaching methods; Cost: varies, discounts to teachers, credit cards accepted.

WV06. ED-C Proceedings of the First I.C. White Memorial Symposium: "The Age of the Dunkard", December 1975

Four reference papers and the 15 papers presented. Included after each speaker's paper is a transcription of the discussions.

Content: Bedrock geology/stratigraphy, Fossils; Middle (7-9) teachers, High School (10-12) teachers, Post Secondary; Text-based: Scientific article; Service & Outreach: Direct assistance to teachers in classroom, Teacher workshop, Services to teachers and students at Survey office, Cooperative programs for development of educational materials and teaching methods; Cost: varies, discounts to teachers, credit cards accepted.

WV07. ED-D Proceedings of the Fourth Conference on Karst Geology and Hydrology, 1974

22 papers, 2 extended abstracts, and abstracts of the remainder of the 32 papers presented.

Content: Surficial geology/glacial geology, Engineering geology/ geologic hazards; Middle (7-9) teachers, High School (10-12) teachers, Post Secondary; Text-based: Scientific article; Service & Outreach: Direct assistance to teachers in classroom, Teacher workshop, Services

to teachers and students at Survey Office, Cooperative programs for development of educational materials and teaching methods; Cost: varies, discounts to teachers, credit cards accepted.

WV08. ED-E Current Geological Research in West Virginia

Compilation of all known geological studies currently underway in the State. (Discontinued with 1978 issue; see Annual Reports for current research projects of the West Virginia Geological and Economic Survey.)

Content: Other; High School (10-12) teachers, Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Service & Outreach: Direct assistance to teachers in classroom, Teacher workshop, Services to teachers and students at Survey office, Cooperative programs for development of educational materials and teaching methods; Cost: varies, discounts to teachers, credit cards accepted.

WV09. ED-F Appalachian Structures - Origin, Evolution, and Possible Potential for New Exploration Frontiers: A Seminar, 1972

10 papers dealing with Appalachian geology from the Blue Ridge to the Plateau. Coverage includes structure, stratigraphy, rock mechanics, tectonics, sedimentation, and petroleum potential.

Content: Bedrock geology/stratigraphy, Geologic principles/processes; High School (10-12) teachers, Post Secondary, General Public; Text-based: Scientific article; Service & Outreach: Direct assistance to teachers in classroom, Teacher workshop, Services to teachers and students at Survey office, Cooperative programs for development of educational materials and teaching methods; Cost: varies, discounts to teachers, credit cards accepted.

WV10. ED-G Ask Us!

Pamphlet describing services of the West Virginia Geological and Economic Survey to the public. Revised as needed.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Economic geology/petroleum, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Engineering geology/geologic hazards, Geophysics/remote sensing, Geologic principles/processes, Other; Elementary (K-3) teachers, (4-6) students/teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, List of references and resources for teachers; Service & Outreach: Direct assistance to teachers in classroom, Teacher workshop, Services to teachers and students at Survey office, Cooperative programs for development of educational materials and teaching methods; Cost: varies, discounts to teachers, credit cards accepted.

WV11. ED-H West Virginia Water Use Data System

Informational brochure, 1980

Content: Hydrogeology; Elementary (4-6) teachers, Middle (7-9) teachers, High School (10-12) teachers, Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, List of references and resources for teachers; Service & Outreach: Direct assistance to teachers in classroom, Teacher workshop, Services to teachers and students at Survey office, Cooperative programs for development of educational materials and teaching methods; Cost: varies, discounts to teachers, credit cards accepted.

WV12. ED-1 Natural Resources of West Virginia, 2nd ed. 1957

The State's mineral, soil, forest, and water resources.

Content: Economic geology/petroleum; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Lay araticle useful to teachers/Educational leaflet; Service & Outreach: Direct ssistance to teachers in classroom, Teacher workshop, Services to teachers and students at Survey Office, Cooperative programs for development of educational materials and teaching methods; Cost: varies, discounts to teachers, credit cards accepted.

WV13. ED-2 A Guide to the Common Fossil Plants of West Virginia, 1970

Describes and illustrates common plant fossils of the State, and discusses their classification and fossilization. (See ED-3A).

Content: Fossils; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, Textbook/handbook/laboratory manual/teacher manual; Service & Outreach: Direct assistance to teachers in classroom, Teacher workshop, Services to teachers and students at Survey office, Cooperative programs for development of educational materials and teaching methods; Cost: varies, discounts to teachers, credit cards accepted.

WV14. ED-3 Plant Fossils of West Virginia, 1966

Geologic history of West Virginia plant life with descriptions and illustrations of common fossil plants. (See ED-3A.)

Content: Fossils; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, Scientific article, Textbook/handbook/laboratory manual/teacher manual; Service & Outreach: Direct assistance to teachers in classroom, Teacher workshop, Services to teachers and students at Survey, Cooperative programs for development of educational materials and teaching methods; Cost: varies, discounts to teachers, credit cards accepted.

WV15. ED-3A Plant Fossils of West Virginia, revised edition 1978

Extensively updated and highly illustrated; an excellent guide for students. Organized chronologically from Precambrian to Recent. Includes chapters on how and where fossils occur, collecting and preservation methods, and spores and pollens. Thoroughly indexed.

Content: Fossils; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, Scientific article, Textbook/handbook/laboratory manual/teacher manual; Service & Outreach: Direct assistance to teachers in classroom, Teacher workshop, Services to teachers and students at Survey office, Cooperative programs for development of educational materials and teaching methods; Cost: varies, discounts to teachers, credit cards accepted.

WV16. ED-4 History and Bibliography of West Virginia Paleobotany, 1961

(Reprinted from Castanea, v. 26, p. 157-171, 1961). Brief history of the study of plant fossils in West Virginia, including an extensive bibliography.

Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12) teachers, Post Secondary teachers, General Public; Text-based: Scientific article; Service & Outreach: Direct assistance to teachers in classroom, Teacher workshop, Services to teachers and students at Survey office, Cooperative programs for development of educational materials and teaching methods; Cost: varies, discounts to teachers, credit cards accepted.

WV17. ED-5 Oil and Gas in West Virginia, 1964

General discussion of the origin, history, and production of oil and gas in West Virginia.

Content: Economic geology/petroleum; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, Textbook/handbook/laboratory manual/teacher manual; Service & Outreach: Direct assistance to teachers in classroom, Teacher workshop, Services to teachers and students at Survey, Cooperative programs for development of educational materials and teaching methods; Cost: varies, discounts to teachers, credit cards accepted.

WV18. ED-6 Synopsis of Drilling in West Virginia, 1964

Compilation by county and district of drilling activity in the State between Jan. 1, 1960 and Jan. 1, 1964.

Content: Economic geology/petroleum; Middle (7-9) teachers, High School (10-12) teachers, Post Secondary teachers; Text-based: Background descriptive materials developed for teachers; Service & Outreach: Direct assistance to teachers in classroom, Teacher workshop, Services to teachers and students at Survey office, Cooperative programs for development of educational materials and teaching methods; Cost: varies, discounts to teachers, credit cards accepted.

WV19. ED-7 Common Minerals and Rocks of West Virginia, 5th ed. 1966

Descriptive booklet (originally accompanied by 18 mineral specimens, which are no longer available).

Content: Minerals and rocks; Elementary (K-3) teachers, (4-6) students/teachers, Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Textbook/handbook/laboratory manual/teacher manual; Service & Outreach: Direct assistance to teachers in classroom, Teacher workshop, Services to teachers and students at Survey office, Cooperative programs for development of educational materials and teaching methods; Cost: varies, discounts to teachers, credit cards accepted.

WV20. ED-8 Minerals of West Virginia, 1964

Discusses geologic occurrence of West Virginia minerals. 37 minerals are described, and mineral localities are given by county.

Content: Minerals and rocks, Elementary (K-3) teachers, (4-6) students/teachers, Middle (7-9), High

School (10-12), Post Secondary, General Public; Text-based: Background descriptive materials developed for teachers, Textbook/handbook/laboratory manual/teacher manual; Service & Outreach: Direct assistance to teachers in classroom, Teacher workshop, Services to teachers and students at Survey office, Cooperative programs for devlopment of educational materials and teaching methods; Cost: varies, discounts to teachers, credit cards accepted.

WV21. ED-9 Coal and Coal Mining in West Virginia, revised ed. 1964

Discusses geologic occurrence of West Virginia minerals. 37 minerals are described, and mineral localities are given by county.

Content: Other; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Textbook/handbook/laboratory manual/teacher manual; Service & Outreach: Direct assistance to teachers in classroom, Teacher workshop, Services to teachers and students at Survey office, Cooperative programs for development of educational materials and teaching methods; Cost: varies, discounts to teachers, credit cards accepted.

WV22. ED-10 Geologic History of West Virginia, 1975

Written for naturalists, teachers, students, and hobbyists. A popular account of geologic history of West Virginia. Extensively illustrated.

Content: Other; Elementary (K-6) teachers, Middle (7-9) teachers, High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, Textbook/handbook/laboratory manual/teacher manual; Service & Outreach: Direct assistance to teachers in classroom, Teacher workshop, Services to teachers and students at Survey office, Cooperative programs for development of educational materials and teaching methods; Cost: varies, discount to teachers, credit cards accepted.

WV23. ED-11 A Practical Handbook for Individual Water-Supply Systems in West Virginia, 1976

"STOP" format. Aids in location, evaluation, development, and maintenance of water-supply systems for individual homes in West Virginia. Of particular benefit to homeowners, builders, local and regional officials, and planners.

Content: Hydrogeology; Elementary (K-6) teachers, Middle (7-9), High School (10-12), Post Secondary teachers, General Public; Text-based: Lay article useful to teachers/Educational leaflet; Service & Outreach: Direct assistance to teachers in classroom, Teacher workshop, Services to teachers and students at Survey office, Cooperative programs for development of educational materials and teaching methods; Cost: varies, discounts to teachers, credit cards accepted.

WV24. ED-12 Coal Blooms: Description of Sulfate Mineral Efflorescences Associated with Coal, 1976

Content: Other; High School (10-12) teachers, Post Secondary, General Public; Text-based: Scientific article; Service & Outreach: Direct assistance to teachers in classroom, Teacher workshop, Services to teachers and studens at Survey office, Cooperative programs for development of educational materials and teaching methods; Cost: varies, discounts to teachers, credit cards accepted.

WISCONSIN GEOLOGICAL & NATURAL HISTORY SURVEY

Rochelle Juedes
Map & Publication Sales Office
3817 Mineral Point Road
Madison, WI 53705
(608) 263-7389; FAX (608) 262-8086

WI01. Geologic and topographic maps and publications about Wisconsin geology

Maps and publications about the geology, minerals soils, climate and water resources of Wisconsin. Also a Rock and Mineral kit.

Content: Bedrock geology/stratigraphy, Surficial geology/glacial geology, Minerals and rocks, Fossils, Hydrogeology, Environmental geology, Geophysics/remote sensing, Geologic principles/processes; Elementary (4-6), Middle (7-9), High School (10-12), Post Secondary, General Public; Text-based: Lay article useful to teachers/Educational leaflet, Scientific article, Fieldtrip guide; Teaching Media: Maps, charts, posters, Mineral kits (rocks); Service & Outreach: Services to teachers and students at Survey office, Cooperative programs for development of educational materials and teaching methods; Cost: See publication list, discount to teachers for educational purposes.

WI02. Groundwater and Land Use in the Water Cycle (posters)

A 11 " x 17" poster that shows the relationship between our land use activities and groundwater quality and quantity. An explanation of groundwater and aquifer's in Wisconsin is on the back. Also available in wall size 24 " x 37 ".

Content: Hydrogeology, Environmental geology, Geologic principles/processes; Elementary (4-6), Middle (7-9), High School (10-12), General Public; Text-based: Lay article useful to teachers/Educational leaflet; Teaching Media: Maps, charts, posters; Service & Outreach: Services to teachers and students at Survey office, Cooperative programs for development of educational materials and teaching methods; Cost: Free, plus $1.00 for postage.

WI03. Stones Used in State Capitol

WI04. Mineral & Rock Collecting in Wisconsin

WI05. Fossil Collecting in Wisconsin

WI06. List of High Points in Wisconsin

WI07. Mining & Minerals in Wisconsin Mines & Minerals in Wisconsin..an Update

WI08. Soil Surveys for Town and Country

WI09. Mineral and Water Resources of Wisconsin

WI10. Copper and Zinc Mining in Wisconsin

WI11. Wisconsin Lake Levels - Their Ups & Downs

WI12. Potential Mineral Deposits

WI13. Residential Heating & Cooling with Ground Water

WI14. An Introduction to Wisconsin Wetlands

WI15. Uranium - the Resource and Wisconsin

WI16. Wisconsin Climatic Data Archive Program

WI17. Ground-Water Levels in Wisconsin. Annual Summaries

WI18. Ground-Water Levels in Marathon County

WI19. Metallic Mineral Exploration in Summaries of Annual Activity

WI20. Growing Degree Days for Corn in Wisconsin

WI21. Ground-Water Levels in Rock County

WI22.Sample Repository

WI23. Earth-Science Information in Land Use Planning

WI24. Ground-Water level Monitoring Program in Wisconsin

WI25. Ground-Water Levels in Juneau County

WI26. Oil & Gas in Wisconsin, Questions & Answers

WI27. Groundwater - Wisconsin's Buried Treasure

WI28. Major Ground-Water Units of Wisconsin

WI29. Ground-Water Levels in Calumet County

WI30. GNHS, Wisconsin Geological & Natural History Survey

WI31. A Brief Review of Mineral Resources in Wisconsin

WI32. Ground-Water Fluctuations in Wisconsin

WI33. Groundwater Quality of Barron County

WI34. Selected Developments in Wisconsin's Mineral Industry in 1988 (1989) (1990) (1993) (1994)

WI35. The Ice Age Geology of Devils Lake State Park

WI36. Glaciation of Wisconsin

WI37. Precipitation Summary for 1990 (1991)

WI38. Historical monthly precipitation database: documentation for version 1.0

WI39. State Climatology Office: Your resource for weather and climate information

WI40. Mining on Your Land?

WI41. Wisconsin's Foundations, A Review of the State's Geology and its Influence on Geography & Human Activity

WI42. Groundwater Contamination Susceptibility in Wisconsin (map)

WI43. A Guide to the Glacial Landscape of Dane County, Wisconsin

WI44. A Voyageur's Guide to the Lower Wisconsin River

WYOMING GEOLOGICAL SURVEY

Gary B. Glass
P.O. Box 3008
University Station
Laramie, WY 82071-3008
(307) 766-2286; FAX: (307) 766-2605

WY01. Wyoming Geo-maps

A series of page-sized (8 1/2 x 11 ") maps and explanatory text on different aspects of Wyoming geography and geology. Contains maps showing gravity, magnetics, rainfall, temperature, elevations, soils, geology, structural features, minerals, etc.

Content: Bedrock geology/stratigraphy, Economic geology/petroleum, Minerals and rocks, Hydrogeology, Engineering geology/geologic hazards, Geophysics/remote sensing, Other: Soils; Elementary (K-3) teachers, (4-6), Middle (7-9) students, High School (10-12) students, Post Secondary students; Text-based: Background descriptive materials developed for teachers, Scientific article, Textbook/handbook/ laboratory manual/teacher manual, List of references and resources for teachers; Teaching Media: Audio-visual (overheads), Exercised projects manual available; Service & Outreach: Direct assistance to teachers in classroom, Speakers bureau, Teacher workshop, Services to teachers and students at Survey office; Cost: $6.00 (book only), Discounts to teachers, Pamphlet of classroom activities free to Wyoming address, $3.00 for out of state addresses, credit cards accepted (Wyoming add 6% sales tax).

WY02. Mineral resources of Wyoming

WY03. Fossils of Wyoming

WY04. Caves of Wyoming

WY05. Thermal Springs of Wyoming

WY06. Paleontology of the Green River Formation, with a review of the fish fauna

WY07. History of the Geological Survey of Wyoming

WY08. Minerals and Rocks of Wyoming

WY09. Traveler's guide to the geology of Wyoming

WY10. Illustrated geologic history of the Medicine Bow Mountains and adjacent areas, Wyoming

WY11. A guide to the geology of Shoshone National Forest, Wyoming

WY12. Gemstones, lapidary materials, and geologic collectables in Wyoming

WY13. Applied geology and archeology: the Holocene history of Wyoming

WY14. Public Information Circulars

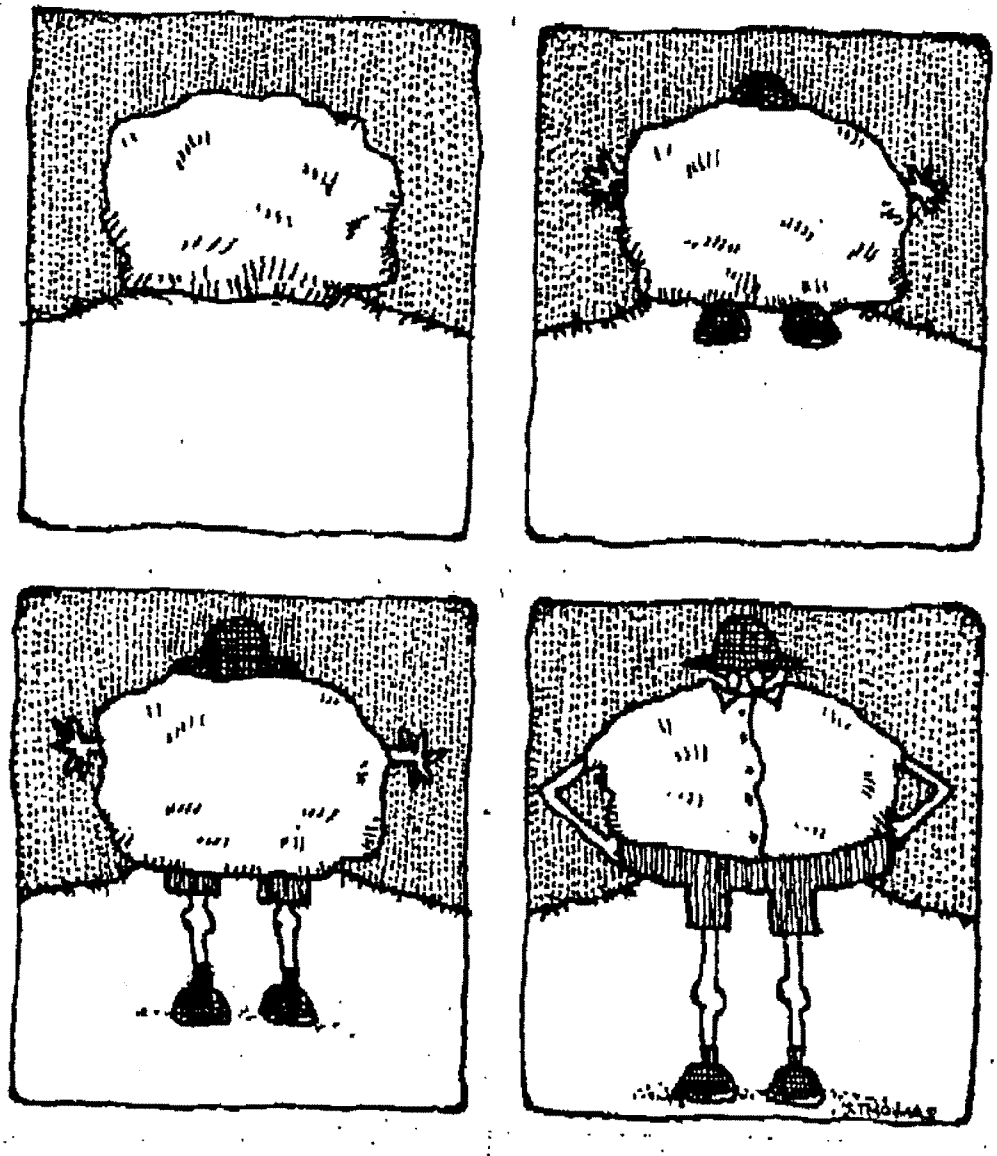
- *Guidebook to the coal geology of the Powder River Coal Basin*
- *Wyoming's oil and gas industry*
- *Geologic hazards and land use planning*
- *Genesis and exploration of metallic and nonmetallic minerals and ore deposits of Wyoming and adjacent areas*
- *Geologic road log, Jackson to Dinwoody and return*
- *Self-guided tour of the geology of a portion of southeastern Wyoming*
- *Oil shale sample location and analyses, southwest Wyoming and northwest Colorado*
- *Tour guide to the geology and mining history of the South Pass gold mining district, Fremont County, Wyoming*
- *Metallic and nonmetallic deposits of Wyoming and adjacent areas, 1983 conference proceedings*
- *Earthquakes and related geologic hazards in Wyoming*
- *A geologic tour of Wyoming from Laramie to Lander, Jackson, and Rock Springs*
- *Wyoming's oil and as industry in the 1980's: a time of change*
- *Geologic tours of western Wyoming and parts of adjacent Idaho, Montana, and Utah*
- *Coalbed methane in Wyoming*
- *Decorative stones of Wyoming*

WY15. Reprints

- *A field guide to the Casper Mountain area*
- *Geologic road log of part of the Gros Ventre River valley including the lower Gros Ventre Slide*

WY16. Information Pamphlets

- *Geology of Wyoming*



evolution of a geologist

INDICES

CONTENT CATEGORY

Bedrock geology/stratigraphy

AL01. Geoscience Educational Resource Center
AK01. Minerals Instruction Kit
AGI01. Earth-Science Education Resource Directory
AGI02. Geotimes
AGI03. AGI Publications and Services
AGI04. Adventures in Geology
AGI05. Careers in the Geosciences
AGI06. Dictionary of Geological Terms
AGI07. Earth Science Content Guidelines Grades K-12
AGI08. Earth Science Investigations
AGI09. Minerals -- Foundations of Society
AGI10. Planning for Field Safety
AGI11. The Making of a Continent
AGI13. GeoRef
CO01. Outreach
CO03. Scenic trips into Colorado Geology publications (Special Publication series & Miscellaneous Information series: SP-27, MI-17,27,47,48)
CO04. Colorado Geologic Highway Map
CO05. Geologic Map of Colorado, 1979
CO07. Postcard - Geology of Colorado
CO08. Publications List
CO09. Gem and Mineral Publications (Miscellaneous Information series - MI-37, 43, 45, 46 and others)
CT01. Publication Sales
DE01. Teachers Packet
DE02. Building tours and talks
FL01. List of Publications
GA15. Statewide Maps. SM-3&5. Geologic Map of Georgia (1:500,000 & 1:2,000,000)(1976 & 1977)
GA16. Miscellaneous Maps. AAPG-1. Geological Highway Map, Southeast Region. Alabama, Florida, Georgia, Louisiana, Mississippi
ID01. Books and maps on the geology of Idaho; information service; summer workshops for teachers
IL01. Resources for Teaching Geology
IL06. Handbook of Illinois Stratigraphy.
IL07. Miscellaneous Education Note Sets and Publications
IL08. Professional Geologic Maps. Geologic Map of Illinois (scale 1:500,000, 1 in. = 8 miles).
IL15. Geological Science Field Trips
IN05. Our Hoosier State Beneath Us
IN06. Educational Publications
KS15. Geologic map of Kansas
KY01. Kentucky Geological Survey Public Information
ME01. The Maine Geological Survey
MD01. List of Publications
MD02. Various pamphlets
MD03. Geologic and topographic maps
MD04. Reports and other printed material
MD06. Lectures, field trips, etc.
MI01. Gerald E. Eddy Geology Center
MI02. Maps and Publications List
MN02. Bedrock geologic map of Minnesota
MN03. Minnesota Geological Survey Newsletter
MN05. Geologic map of Minnesota, bedrock geology
MN07. A history of geologic mapping in Minnesota
MN12. K-12 Talks on General Geologic Topics
MN13. General Geology topics. Lectures and field trips for public groups (i.e. Geological Society of Minnesota)
MT01. Publications
NE01. NESEN (Nebraska Earth Science Education Network)
NV01. Earth Science Education Outreach Program
NM01. Geologic Extension Service
NM02. Lite Geology
NY01. Geology of New York: A Simplified Account
NY02. Leaflets and small maps
NY03. Publications of the New York State Geological Survey, New York State Museum, Empire State Geogram ISSN0013-676X
NY04. New York State Geological Highway Map

NY05. Geogram - Geological Research in New York (for appropriate year), Empire State Geogram ISSN0013-676X
NY06. Honorarium. Student Internship of the New York State Geological Survey, New York State Museum
NC05. Generalized Geologic Map of North Carolina
NC06. Generalized Geologic Map of North Carolina (postcard)
NC07. Geologic Map of North Carolina
ND01. Guidebooks
ND06. Geology Along North Dakota Interstate 94
ND07. Auto Tour Guide to the North and South Units of the Theodore Roosevelt National Park
ND08. Geologic Postcard
ND09. Explanatory Text to Accompany the Geologic Map of North Dakota
ND10. Face of North Dakota, Revised Edition
ND12. Landforms of North Dakota
ND13. NDGS Newsletter
ND14. List of Publications
ND16. Page-size maps
ND17. Geologic and Topographic Bedrock Map of North Dakota
ND18. North Dakota Geological Highway Map
ND20. Popular Geology of Eddy and Foster Counties, North Dakota
ND21. Geology of Northeastern North Dakota
ND22. Guide to the Geology of Burleigh County, North Dakota
ND25. Magnetic Anomalies in Pembina County, North Dakota
ND31. Physical Data for Land-Use Planning - Divide, McKenzie, and Williams Counties, North Dakota
ND32. Geologic and Hydrogeologic Conditions Affecting Land Use in the Bismarck-Mandan Area
OH01. List of Educational Resources of the Ohio Division of Geological Survey and sources of additional information
OH02. Annual Industrial Minerals Teacher Workshop
OH03. Rock and Mineral Set
OH04. Ohio Geological Survey Educational Leaflet Series
OK02. Guidebook for Geologic Field Trips in Oklahoma
OK03. Geologic Field Trips in Northwest Oklahoma
OK04. Guidebook for Geologic Field Trips in North-Central Oklahoma
OK05. Guidebooks
OK08. Oklahoma Geology Notes
OR01. Almost all of our magazines, books, maps, and brochures are educational. Most have been written for adults with some technical background.
PA04. The Geology of Pennsylvania
PA05. Geology and the Gettysburg Campaign
PA13. Your Guide to the Geology of the Kings Gap Area, Cumberland County, Pennsylvania.
PA19. Geologic Map of Pennsylvania
PA23. Limestone and Dolomite Distribution in Pennsylvania
SC01. South Carolina Minerals and Rocks
SD01. Natural Source
SD03. Environment Education Connections of South Dakota (EECSD)
SD05. SDGS Publications
TN01. Geology of Tennessee Slide and Sample Presentation
TN02. Tennessee Rock/Mineral Set
TX03. The Geologic Story of Longhorn Cavern
TX05. The Big Bend of the Rio Grande, A Guide to the Rocks, Landscape, Geologic History, and Settlers of the Area of Big Bend National Park
TX06. The Geologic Story of Palo Duro Canyon
TX07. Guide to Points of Geologic Interest in Austin
TX10. Geomorphology and Quaternary Stratigraphy of the Rolling Plains, Texas Panhandle
TX11. Guide to the Permian Reef Geology Trail, McKittrick Canyon, Guadalupe Mountains National Part, West Texas
TX20. Annotated Bibliography of Mineral Deposits in Trans-Pecos Texas
TX23. Bituminous Coal in Texas
TX26. Geology of Texas Map
TX27. Geologic Map of Texas
TX28. Land Resources of Texas
TX32. Geologic Atlas of Texas Map Series
UT07. A Salt Lake Valley field trip guide for educators teaching 8th grade science
UT11. Utah's Geologic History
UT12. Field trip along the Wasatch Front
VT01. Vermont Geological Survey
VA02. Catalogue
WA01. Information sheets, pamphlets, publications
WV01. RockCamp Earth Science Activity Series
WV02. Videos
WV03. Reprints
WV04. ED-A Publications, Maps and Services of the West Virginia Geological and Economic Survey
WV05. ED-B I.C. White Memorial Symposium - "The Age of the Dunkard" - Symposium Abstracts and Reference Papers, 1972
WV06. ED-C Proceedings of the First I.C. White Memorial Symposium: "The Age of the Dunkard", December 1975

WV09. ED-F Appalachian Structures - Origin, Evolution, and Possible Potential for New Exploration Frontiers: A Seminar, 1972
WV10. ED-G Ask Us!
WI01. Geologic and topographic maps and publications about Wisconsin geology
WY01. Wyoming Geo-maps

Surficial geology/glacial geology

AL01. Geoscience Educational Resource Center
AK01. Minerals Instruction Kit
AGI01. Earth-Science Education Resource Directory
AGI02. Geotimes
AGI04. Adventures in Geology
AGI06. Dictionary of Geological Terms
AGI07. Earth Science Content Guidelines Grades K-12
AGI08. Earth Science Investigations
AGI11. The Making of a Continent
AGI13. GeoRef
CO01. Outreach
CO03. Scenic trips into Colorado Geology publications (Special Publication series & Miscellaneous Information series: SP-27, MI-17,27,47,48)
CO04. Colorado Geologic Highway Map
CO05. Geologic Map of Colorado, 1979
CO07. Postcard - Geology of Colorado
CO08. Publications List
CO10. Snow Avalanche Publications (Bulletin, Information, Miscellaneous & Special series - BU-49, IS-38, MI-30, SP-7 and others)
CT01. Publication Sales
DE01. Teachers Packet
DE02. Building tours and talks
FL01. List of Publications
GA09. The Okefenokee (1955)
GA18. Statewide Map. SM-4. Physiographic Map of Georgia (1:2,000,000)(1976)
GA19. USGS Maps. U.S. Map 19. State of Georgia Shaded Relief Map (1:500,000)(1970)
GA20. USGS Maps. U.S. Map 2. Slope Map of Georgia (1:500,000)(1976)
ID01. Books and maps on the geology of Idaho; information service; summer workshops for teachers
IL01. Resources for Teaching Geology
IL06. Handbook of Illinois Stratigraphy.
IL07. Miscellaneous Education Note Sets and Publications
IL09. Professional Geologic Maps. Quaternary Deposits of Illinois (scale 1:500,000, 1 in. = 8 miles).
IL12. Professional Geologic Maps. Landforms Map of Illinois (scale 1:1,000,000; 1 in. = 16 miles).
IL15. Geological Science Field Trips
IN05. Our Hoosier State Beneath Us
IN06. Educational Publications
KS01. Guidebook-24th Annual Meeting, Midwestern Friends of the Pleistoncene (Meade County, Kansas)
KS02. Geologic highway map of Kansas
KS04. Kansas Geology: An introduction to landscapes, rocks, minerals, and fossils
KS07. Guidebook-Upper Pennsylvanian cyclotemic limestone facies in eastern Kansas
KS08. Guidebook-Upper Cretaceous stratigraphy and depositional environments of western Kansas
KS09. Roadside Kansas: A traveler's guide to its geology and landmarks
KS11. Guidebook-Pennsylvanian cyclic platform deposits of Kansas and Nebraska
KS12. Regional geology and paleontology of Upper Paleozoic Hamilton quarry area in southeastern Kansas
KS14. Quaternary environments of Kansas (guidebook for the 33rd field conference of the Midwest Friends of Pleistocene)
KS15. Geologic map of Kansas
KS16. Kansas geomaps
KS19. From sea to prairie: a primer of Kansas geology
KS23. Kansas landscapes: a geologic diary
KS24. Land of the Post Rock: Its Origins, History, and People
ME01. The Maine Geological Survey
MD01. List of Publications
MD03. Geologic and topographic maps
MD04. Reports and other printed material
MD06. Lectures, field trips, etc.
MI01. Gerald E. Eddy Geology Center
MI02. Maps and Publications List
MN03. Minnesota Geological Survey Newsletter
MN04. Minnesota at a glance: Quaternary glacial geology
MN07. A history of geologic mapping in Minnesota
MN08. Dunes of the Anoka Sand Plain
MN10. Geological history of Minnesota Rivers
MN12. K-12 Talks on General Geologic Topics

MN13. General Geology topics. Lectures and field trips for public groups (i.e., Geological Society of Minnesota)
MT01. Publications
NE01. NESEN (Nebraska Earth Science Education Network)
NV01. Earth Science Education Outreach Program
NY01. Geology of New York: A Simplified Account
NY02. Leaflets and small maps
NY03. Publications of the New York State Geological Survey, New York State Museum, Empire State Geogram ISSN0013-676X
NY04. New York State Geological Highway Map
NY05. Geogram - Geological Research in New York (for appropriate year), Empire State Geogram ISSN0013-676X
NY06. Honorarium. Student Internship of the New York State Geological Survey, New York State Museum
NM01. Geologic Extension Service
NM02. Lite Geology
ND01. Guidebooks
ND02. Flooding in the Grand Forks - East Grand Forks Area
ND06. Geology Along North Dakota Interstate 94
ND07. Auto Tour Guide to the North and South Units of the Theodore Roosevelt National Park
ND08. Geologic Postcard
ND09. Explanatory Text to Accompany the Geologic Map of North Dakota
ND10. Face of North Dakota, Revised Edition
ND12. Landforms of North Dakota
ND13. NDGS Newsletter
ND14. List of Publications
ND15. The Geology of the Turtle River State Park
ND16. Page-size maps
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ND20. Popular Geology of Eddy and Foster Counties, North Dakota
ND21. Geology of Northeastern North Dakota
ND22. Guide to the Geology of Burleigh County, North Dakota
ND23. Subsurface Geology and Foundation Conditions in Grant Forks, North Dakota
ND30. Physical Data for Land-Use Planning - Cass County, North Dakota, and Clay County, Minnesota - An Inventory of Mineral, Soil and Water Resources
ND31. Physical Data for Land-Use Planning - Divide, McKenzie, and Williams Counties, North Dakota
ND32. Geologic and Hydrogeologic Conditions Affecting Land Use in the Bismarck-Mandan Area
OH01. List of Educational Resources of the Ohio Division of Geological Survey and sources of additional information
OH02. Annual Industrial Minerals Teacher Workshop
OH04. Ohio Geological Survey Educational Leaflet Series
OK01. Geology and Earth Resources of Oklahoma
OK02. Guidebook for Geologic Field Trips in Oklahoma
OK03. Geologic Field Trips in Northwest Oklahoma
OK04. Guidebook for Geologic Field Trips in North-Central Oklahoma
OK05. Guidebooks
OK06. Geologic Map of Oklahoma
OK08. Oklahoma Geology Notes
PA06. Pennsylvania and the Ice Age
PA24. Glacial Deposits of Pennsylvania
PA25. Surficial Materials of Pennsylvania.
SD01. Natural Source
SD03. Environment Education Connections of South Dakota (EECSD)
SD05. SDGS Publications
TN01. Geology of Tennessee Slide and Sample Presentation
TX05. The Big Bend of the Rio Grande, A Guide to the Rocks, Landscape, Geologic History, and Settlers of the Area of Big Bend National Park
TX07. Guide to Points of Geologic Interest in Austin
TX08. Padre Island National Seashore--A Guide to the Geology, Natural Environments, and History of a Texas Barrier Island
TX09. Geology of Monahans Sandhills State Park, Texas
TX10. Geomorphology and Quaternary Stratigraphy of the Rolling Plains, Texas Panhandle
TX13. The Gulf Shoreline of Texas: Processes, Characteristics, and Factors in Use
TX14. Shoreline and Vegetation-Line Movement, Texas Gulf Coast, 1974 to 1982
TX24. Natural Hazards of the Texas Coastal Zone
TX25. Environmental Geologic Atlas of the Texas Coastal Zone
TX26. Geology of Texas Map
TX27. Geologic Map of Texas
TX28. Land Resources of Texas
TX32. Geologic Atlas of Texas Map Series
UT07. A Salt Lake Valley field trip guide for educators teaching 8th grade science
UT11. Utah's Geologic History
UT12. Field trip along the Wasatch Front
VT01. Vermont Geological Survey
VA02. Catalogue
WA01. Information sheets, pamphlets, publications

WV01. RockCamp Earth Science Activity Series
WV04. ED-A Publications, Maps and Services of the West Virginia Geological and Economic Survey
WV07. ED-D Proceedings of the Fourth Conference on Karst Geology and Hydrology, 1974
WV10. ED-G Ask Us!
WI01. Geologic and topographic maps and publications about Wisconsin geology

Economic geology/petroleum

AL01. Geoscience Educational Resource Center
AK01. Minerals Instruction Kit
AGI01. Earth-Science Education Resource Directory
AGI02. Geotimes
AGI04. Adventures in Geology
AGI06. Dictionary of Geological Terms
AGI07. Earth Science Content Guidelines Grades K-12
AGI08. Earth Science Investigations
AGI09. Minerals -- Foundations of Society
AGI11. The Making of a Continent
AGI13. GeoRef
CO01. Outreach
CO02. Gold Planning & Occurrences in Colorado Publications (Information & Resource series - IS-33, RS-28)
CO03. Scenic trips into Colorado Geology publications (Special Publication series & Miscellaneous Information series: SP-27, MI-17,27,47,48)
CO04. Colorado Geologic Highway Map
CO08. Publications List
CO09. Gem and Mineral Publications (Miscellaneous Information series - MI-37, 43, 45, 46 and others)
CT01. Publication Sales
DE01. Teachers Packet
DE02. Building tours and talks
FL01. List of Publications
ID01. Books and maps on the geology of Idaho; information service; summer workshops for teachers
IL01. Resources for Teaching Geology
IL07. Miscellaneous Education Note Sets and Publications
IL10. Professional Geologic Map. Coal Industry in Illinois, 1984 (scale 1:500,000; 1 in = 8 miles).
IL11. Professional Geologic Maps. Oil and Gas Industry in Illinois (1977) (scale 1:500,000; 1 in. = 8 miles).
IL15. Geological Science Field Trips
IN05. Our Hoosier State Beneath Us
IN06. Educational Publications
KS18. Petroleum: a primer of Kansas
KS20. Kansas clays for the ceramic hobbyist
KY01. Kentucky Geological Survey Public Information
ME01. The Maine Geological Survey
MD01. List of Publications
MD03. Geologic and topographic maps
MD04. Reports and other printed material
MD06. Lectures, field trips, etc.
MI01. Gerald E. Eddy Geology Center
MI02. Maps and Publications List
MN03. Minnesota Geological Survey Newsletter
MN11. The search for oil and gas in Minnesota
MN13. General Geology topics. Lectures and field trips for public groups (i.e. Geological Society of Minnesota)
MT01. Publications
NV01. Earth Science Education Outreach Program
NM01. Geologic Extension Service
NM02. Lite Geology
NY01. Geology of New York: A Simplified Account
NY02. Leaflets and small maps
NY03. Publications of the New York State Geological Survey, New York State Museum, Empire State Geogram ISSN0013-676X
NY06. Honorarium. Student Internship of the New York State Geological Survey, New York State Museum
NC09. Gold in North Carolina (Brochure)
NC13. Rockhounding on National Forest Land
ND03. Petroleum--A Primer for North Dakota
ND05. A History of Coal Mining in North Dakota, 1873-1982
ND10. Face of North Dakota, Revised Edition
ND12. Landforms of North Dakota
ND13. NDGS Newsletter
ND14. List of Publications
ND26. Oil exploration and development in the North Dakota Williston Basin
OH01. List of Educational Resources of the Ohio Division of Geological Survey and sources of additional information

OH02. Annual Industrial Minerals Teacher Workshop
OH03. Rock and Mineral Set
OH04. Ohio Geological Survey Educational Leaflet Series
OK01. Geology and Earth Resources of Oklahoma
OK02. Guidebook for Geologic Field Trips in Oklahoma
OK04. Guidebook for Geologic Field Trips in North-Central Oklahoma
OK03. Geologic Field Trips in Northwest Oklahoma
OK08. Oklahoma Geology Notes
OK10. Map of Oklahoma Oil and Gas Fields
PA07. Coal in Pennsylvania
PA08. Geology of Pennsylvania's Oil and Gas
PA20. Oil and Gas Fields of Pennsylvania
PA21. Distribution of Pennsylvania Coals
SC01. South Carolina Minerals and Rocks
SD01. Natural Source
SD03. Environment Education Connections of South Dakota (EECSD)
SD05. SDGS Publications
TN01. Geology of Tennessee Slide and Sample Presentation
TX12. Potential Geothermal Resources of Texas
TX19. Gold and Silver in Texas
TX20. Annotated Bibliography of Mineral Deposits in Trans-Pecos Texas
TX21. Texas Lignite--Status and Outlook to 2000
TX22. Sulfur in Texas
TX23. Bituminous Coal in Texas
TX29. Mineral Resources of Texas
UT01. A short course in petroleum geology, with examples from Utah's petroleum provinces
UT11. Utah's Geologic History
VT01. Vermont Geological Survey
VA02. Catalogue
VA03. Brochures
WA01. Information sheets, pamphlets, publications
WV01. RockCamp Earth Science Activity Series
WV02. Videos
WV03. Reprints
WV04. ED-A Publications, Maps and Services of the West Virginia Geological and Economic Survey
WV10. ED-G Ask Us!
WV12. ED-1 Natural Resources of West Virginia, 2nd ed. 1957
WV17. ED-5 Oil and Gas in West Virginia, 1964
WV18. ED-6 Synopsis of Drilling in West Virginia, 1964
WY01. Wyoming Geo-maps

Minerals and Rocks

AL01. Geoscience Educational Resource Center
AK01. Minerals Instruction Kit
AGI01. Earth-Science Education Resource Directory
AGI02. Geotimes
AGI04. Adventures in Geology
AGI06. Dictionary of Geological Terms
AGI07. Earth Science Content Guidelines Grades K-12
AGI08. Earth Science Investigations
AGI09. Minerals -- Foundations of Society
AGI11. The Making of a Continent
AGI13. GeoRef
CO01. Outreach
CO02. Gold Planning & Occurrences in Colorado Publications (Information & Resource series - IS-33, RS-28)
CO03. Scenic trips into Colorado Geology publications (Special Publication series & Miscellaneous Information series: SP-27, MI-17,27,47,48)
CO04. Colorado Geologic Highway Map
CO08. Publications List
CO09. Gem and Mineral Publications (Miscellaneous Information series - MI-37, 43, 45, 46 and others)
CT01. Publication Sales
DE01. Teachers Packet
DE02. Building tours and talks
FL01. List of Publications
FL02. Florida Rock and Mineral Kit
GA02. Mining Directory of Georgia (1991)
GA03. Mineral Industry of Georgia
GA04. The common rocks and minerals of Georgia (1935)

GA05. General Information on gold in Georgia
GA06. An account of the value and occurrence of gold in north Georgia (1990)
GA11. Meteorites in Georgia
GA16. Miscellaneous Maps. AAPG-1. Geological Highway Map, Southeast Region. Alabama, Florida, Georgia, Louisiana, Mississippi
GA17. Statewide Maps. SM-1&2. Mineral Resource of Georgia (1:500,000 & 1:2,000,000)(1969)
ID01. Books and maps on the geology of Idaho; information service; summer workshops for teachers
IL01. Resources for Teaching Geology
IL03. Guide to Rocks and Minerals of Illinois.
IL05. GEOGRAMS generally single-sheet, single concept articles
IL07. Miscellaneous Education Note Sets and Publications
IL15. Geological Science Field Trips
IN01. Rock, Mineral, Fossil Specimen Identification
IN04. Indiana Rock Set
IN05. Our Hoosier State Beneath Us
IN06. Educational Publications
KS04. Kansas Geology: An introduction to landscapes, rocks, minerals, and fossils
KS17. A guide to finding Kansas maps
KS19. From sea to prairie: a primer of Kansas geology
KS21. Kansas rocks and minerals
KY01. Kentucky Geological Survey Public Information
ME01. The Maine Geological Survey
MD01. List of Publications
MD02. Various pamphlets
MD03. Geologic and topographic maps
MD04. Reports and other printed material
MD05. A Collection of Rocks and Minerals of Maryland
MD06. Lectures, field trips, etc.
MI01. Gerald E. Eddy Geology Center
MI02. Maps and Publications List
MN01. Guide to mineral collecting in Minnesota (2nd revised ed)
MN03. Minnesota Geological Survey Newsletter
MN06. Sample box containing 3 minerals and 3 fossils
MN12. K-12 Talks on General Geologic Topics
MN13. General Geology topics. Lectures and field trips for public groups (i.e., Geological Society of Minnesota)
MT01. Publications
NE01. NESEN (Nebraska Earth Science Education Network)
NV01. Earth Science Education Outreach Program
NM01. Geologic Extension Service
NM02. Lite Geology
NY01. Geology of New York: A Simplified Account
NY02. Leaflets and small maps
NY03. Publications of the New York State Geological Survey, New York State Museum, Empire State Geogram ISSN0013-676X
NY04. New York State Geological Highway Map
NY05. Geogram - Geological Research in New York (for appropriate year), Empire State Geogram ISSN0013-676X
NY06. Honorarium. Student Internship of the New York State Geological Survey, New York State Museum
NC02. Rock Kit: North Carolina
NC04. A geologic guide to North Carolina's state parks
NC09. Gold in North Carolina (Brochure)
ND07. Auto Tour Guide to the North and South Units of the Theodore Roosevelt National Park
ND10. Face of North Dakota, Revised Edition
ND11. North Dakota Rock and Mineral Samples
ND12. Landforms of North Dakota
ND13. NDGS Newsletter
ND14. List of Publications
OH01. List of Educational Resources of the Ohio Division of Geological Survey and sources of additional information
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OH04. Ohio Geological Survey Educational Leaflet Series
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OK02. Guidebook for Geologic Field Trips in Oklahoma
OK03. Geologic Field Trips in Northwest Oklahoma
OK04. Guidebook for Geologic Field Trips in North-Central Oklahoma
OK05. Guidebooks
OK08. Oklahoma Geology Notes
OR01. Almost all of our magazines, books, maps, and brochures are educational. Most have been written for adults with some technical background.
PA01. Rocks and Minerals of Pennsylvania
PA11. Building Stones of Pennsylvania's Capital Area
PA14. Meteorites Found in Pennsylvania

SC01. South Carolina Minerals and Rocks
SD01. Natural Source
SD03. Environment Education Connections of South Dakota (EECSD)
SD05. SDGS Publications
TN01. Geology of Tennessee Slide and Sample Presentation
TN02. Tennessee Rock/Mineral Set
TX01. Rock Kit
TX04. Texas Rocks and Minerals: An Amateur's Guide
TX16. Texas Gemstones
TX19. Gold and Silver in Texas
TX20. Annotated Bibliography of Mineral Deposits in Trans-Pecos Texas
TX22. Sulfur in Texas
TX29. Mineral Resources of Texas
UT07. A Salt Lake Valley field trip guide for educators teaching 8th grade science
UT11. Utah's Geologic History
UT13. Rock, mineral, and fossil kits
VT01. Vermont Geological Survey
VA01. Rock Samples
VA03. Brochures
WA01. Information sheets, pamphlets, publications
WV01. RockCamp Earth Science Activity Series
WV02. Videos
WV03. Reprints
WV04. ED-A Publications, Maps and Services of the West Virginia Geological and Economic Survey Form.
WV10. ED-G Ask Us!
WV19. ED-7 Common Minerals and Rocks of West Virginia, 5th ed. 1966
WV20. ED-8 Minerals of West Virginia, 1964
WI01. Geologic and topographic maps and publications about Wisconsin geology
WY01. Wyoming Geo-maps

Fossils

AL01. Geoscience Educational Resource Center
AK01. Minerals Instruction Kit
AGI01. Earth-Science Education Resource Directory
AGI02. Geotimes
AGI04. Adventures in Geology
AGI06. Dictionary of Geological Terms
AGI07. Earth Science Content Guidelines Grades K-12
AGI08. Earth Science Investigations
AGI11. The Making of a Continent
AGI13. GeoRef
CO01. Outreach
CO03. Scenic trips into Colorado Geology publications (Special Publication series & Miscellaneous Information series: SP-27, MI-17,27,47,48)
CO06. Dinosaur Publications (Special Publication series & Miscellaneous Information series: SP-35, MI-28, 41, 42, 47)
CO08. Publications List
CO09. Gem and Mineral Publications (Miscellaneous Information series - MI-37, 43, 45, 46 and others)
CT01. Publication Sales
DE01. Teachers Packet
DE02. Building tours and talks
FL01. List of Publications
GA07. Illustrated fossils of the Georgia Coastal Plain (1969)
GA08. Prehistoric vertebrates of the Georgia Coastal Plain (1957)
ID01. Books and maps on the geology of Idaho; information service; summer workshops for teachers
IL01. Resources for Teaching Geology
IL02. Guide for Beginning Fossil Hunters.
IL04. Guide to Pennsylvania Plant Fossils of Illinois.
IL05. GEOGRAMS generally single-sheet, single concept articles
IL15. Geological Science Field Trips
IN01. Rock, Mineral, Fossil Specimen Identification
IN05. Our Hoosier State Beneath Us
IN06. Educational Publications
KS01. Guidebook-24th Annual Meeting, Midwestern Friends of the Pleistoncene (Meade County, Kansas)
KS04. Kansas Geology: An introduction to landscapes, rocks, minerals, and fossils
KS08. Guidebook-Upper Cretaceous stratigraphy and depositional environments of western Kansas
KS12. Regional geology and paleontology of Upper Paleozoic Hamilton quarry area in southeastern Kansas
KS14. Quaternary environments of Kansas (guidebook for the 33rd field conference of the Midwest Friends of Pleistocene)
KS17. A guide to finding Kansas maps

KS19. From sea to prairie: a primer of Kansas geology
KS22. Ancient life found in Kansas rocks (common fossils of Kansas)
KY01. Kentucky Geological Survey Public Information
ME01. The Maine Geological Survey
MD01. List of Publications
MD02. Various pamphlets
MD03. Geologic and topographic maps
MD04. Reports and other printed material
MD06. Lectures, field trips, etc.
MI01. Gerald E. Eddy Geology Center
MI02. Maps and Publications List
MN03. Minnesota Geological Survey Newsletter
MN06. Sample box containing 3 minerals and 3 fossils
MN12. K-12 Talks on General Geologic Topics
MN13. General Geology topics. Lectures and field trips for public groups (i.e., Geological Society of Minnesota)
MT01. Publications
NE01. NESEN (Nebraska Earth Science Education Network)
NV01. Earth Science Education Outreach Program
NM02. Lite Geology
NY01. Geology of New York: A Simplified Account
NY02. Leaflets and small maps
NY03. Publications of the New York State Geological Survey, New York State Museum, Empire State Geogram ISSN0013-676X
NY05. Geogram - Geological Research in New York (for appropriate year), Empire State Geogram ISSN0013-676X
NY06. Honorarium. Student Internship of the New York State Geological Survey, New York State Museum
NC03. Fossil Collecting in North Carolina
ND07. Auto Tour Guide to the North and South Units of the Theodore Roosevelt National Park
ND10. Face of North Dakota, Revised Edition
ND12. Landforms of North Dakota
ND13. NDGS Newsletter
ND14. List of Publications
OH01. List of Educational Resources of the Ohio Division of Geological Survey and sources of additional information
OH02. Annual Industrial Minerals Teacher Workshop
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OK03. Geologic Field Trips in Northwest Oklahoma
OK04. Guidebook for Geologic Field Trips in North-Central Oklahoma
OK05. Guidebooks
OK08. Oklahoma Geology Notes
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PA02. Common Fossils of Pennsylvania
PA15. Fossil Collecting in Pennsylvania
SC01. South Carolina Minerals and Rocks
SD01. Natural Source
SD03. Environment Education Connections of South Dakota (EECSD)
SD05. SDGS Publications
TN01. Geology of Tennessee Slide and Sample Presentation
TX02. Texas Fossils: An Amateur Collector's Handbook
TX11. Guide to the Permian Reef Geology Trail, McKittrick Canyon, Guadalupe Mountains National Part, West Texas
UT11. Utah's Geologic History
UT13. Rock, mineral, and fossil kits
VT01. Vermont Geological Survey
VA02. Catalogue
WA01. Information sheets, pamphlets, publications
WV01. RockCamp Earth Science Activity Series
WV02. Videos
WV03. Reprints
WV04. ED-A Publications, Maps and Services of the West Virginia Geological and Economic Survey
WV05. ED-B I.C. White Memorial Symposium - "The Age of the Dunkard" - Symposium Abstracts and Reference Papers, 1972
WV06. ED-C Proceedings of the First I.C. White Memorial Symposium: "The Age of the Dunkard", December 1975
WV10. ED-G Ask Us!
WV13. ED-2 A Guide to the Common Fossil Plants of West Virginia, 1970
WV14. ED-3 Plant Fossils of West Virginia, 1966
WV15. ED-3A Plant Fossils of West Virginia, revised edition 1978
WI01. Geologic and topographic maps and publications about Wisconsin geology

Hydrogeology

AL01. Geoscience Educational Resource Center
AK01. Minerals Instruction Kit
AGI01. Earth-Science Education Resource Directory
AGI02. Geotimes
AGI04. Adventures in Geology
AGI06. Dictionary of Geological Terms
AGI07. Earth Science Content Guidelines Grades K-12
AGI08. Earth Science Investigations
AGI11. The Making of a Continent
AGI13. GeoRef
CO04. Miscellaneous Information series - 38, Colorado Geologic Highway Map
CO08. Publications List
CT01. Publication Sales
DE01. Teachers Packet
DE02. Building tours and talks
FL01. List of Publications
ID01. Books and maps on the geology of Idaho; information service; summer workshops for teachers
IL01. Resources for Teaching Geology
IL05. GEOGRAMS generally single-sheet, single concept articles
IL15. Geological Science Field Trips
IN05. Our Hoosier State Beneath Us
IN06. Educational Publications
KS10. Kansas ground water
KY01. Kentucky Geological Survey Public Information
LA01. Groundwater Workshop
ME01. The Maine Geological Survey
MD01. List of Publications
MD03. Geologic and topographic maps
MD04. Reports and other printed material
MD06. Lectures, field trips, etc.
MI02. Maps and Publications List
MN03. Minnesota Geological Survey Newsletter
MN09. Using ground-water data for water planning
MN12. K-12 Talks on General Geologic Topics
MN13. General Geology topics. Lectures and field trips for public groups (i.e., Geological Society of Minnesota)
MT01. Publications
NE01. NESEN (Nebraska Earth Science Education Network)
NM01. Geologic Extension Service
NM02. Lite Geology
NY01. Geology of New York: A Simplified Account
NY03. Publications of the New York State Geological Survey, New York State Museum, Empire State Geogram ISSN0013-676X
NY05. Geogram - Geological Research in New York (for appropriate year), Empire State Geogram ISSN0013-676X
NY06. Honorarium. Student Internship of the New York State Geological Survey, New York State Museum
ND10. Face of North Dakota, Revised Edition
ND12. Landforms of North Dakota
ND14. List of Publications
ND19. Miscellaneous Series 16. Ground Water, A Vital North Dakota Resource, by Q.F. Paulson
OH01. List of Educational Resources of the Ohio Division of Geological Survey and sources of additional information
OH02. Annual Industrial Minerals Teacher Workshop
OH04. Ohio Geological Survey Educational Leaflet Series
OK01. Geology and Earth Resources of Oklahoma
OK03. Geologic Field Trips in Northwest Oklahoma
OK04. Guidebook for Geologic Field Trips in North-Central Oklahoma
OK05. Guidebooks
OK08. Oklahoma Geology Notes
PA03. Educational Series 3, Ground Water in Pennsylvania
SD01. Natural Source
SD02. Vermillion Water Festival
SD03. Environment Education Connections of South Dakota (EECSD)
SD04. Project SAVE
SD05. SDGS Publications
TN01. Geology of Tennessee Slide and Sample Presentation
TX03. The Geologic Story of Longhorn Cavern
TX12. Potential Geothermal Resources of Texas
WV01. RockCamp Earth Science Activity Series
WV04. ED-A Publications, Maps and Services of the West Virginia Geological and Economic Survey

WV10. ED-G Ask Us!
WV11. ED-H West Virginia Water Use Data System: Informational brochure, 1980,
WV23. ED-11 A Practical Handbook for Individual Water-Supply Systems in West Virginia, 1976
WI01. Geologic and topographic maps and publications about Wisconsin geology
WI02. Groundwater and Land Use in the Water Cycle (poster's)
WY01. Wyoming Geo-maps

Environmental geology

AL01. Geoscience Educational Resource Center
AK01. Minerals Instruction Kit
AGI01. Earth-Science Education Resource Directory
AGI02. Geotimes
AGI04. Adventures in Geology
AGI06. Dictionary of Geological Terms
AGI07. Earth Science Content Guidelines Grades K-12
AGI08. Earth Science Investigations
AGI11. The Making of a Continent
AGI13. GeoRef
CO01. Outreach
CO03. Scenic trips into Colorado Geology publications (Special Publication series & Miscellaneous Information series: SP-27, MI-17,27,47,48)
CO08. Publications List
CO10. Snow Avalanche Publications (Bulletin, Information, Miscellaneous & Special series - BU-49, IS-38, MI-30, SP-7 and others)
CO12. Radioactive and Hazardous Waste publications (Miscellaneous Information series - MI-25, 26 & others)
CT01. Publication Sales
DE01. Teachers Packet
DE02. Building tours and talks
FL01. List of Publications
GA10. Public water-use supply in Georgia (1987)
ID01. Books and maps on the geology of Idaho; information service; summer workshops for teachers
IL01. Resources for Teaching Geology
IL15. Geological Science Field Trips
IN05. Our Hoosier State Beneath Us
IN06. Educational Publications
KY01. Kentucky Geological Survey Public Information
LA01. Groundwater Workshop
MD01. List of Publications
MD03. Geologic and topographic maps
MD04. Reports and other printed material
MD06. Lectures, field trips, etc.
MI01. Gerald E. Eddy Geology Center
MI02. Maps and Publications List
MN03. Minnesota Geological Survey Newsletter
MN09. Using ground-water data for water planning
MN13. General Geology topics. Lectures and field trips for public groups (i.e., Geological Society of Minnesota)
MT01. Publications
NV01. Earth Science Education Outreach Program
NM01. Geologic Extension Service
NM02. Lite Geology
NY01. Geology of New York: A Simplified Account
NY02. Leaflets and small maps
NY03. Publications of the New York State Geological Survey, New York State Museum, Empire State Geogram ISSN0013-676X
NY05. Geogram - Geological Research in New York (for appropriate year), Empire State Geogram ISSN0013-676X
NY06. Honorarium. Student Internship of the New York State Geological Survey, New York State Museum
ND14. List of Publications
ND24. Environmental Geology and North Dakota
ND29. Geology for Planning at Langdon, North Dakota
ND30. Physical Data for Land-Use Planning - Cass County, North Dakota, and Clay County, Minnesota - An Inventory of Mineral, Soil and Water Resources
ND31. Physical Data for Land-Use Planning - Divide, McKenzie, and Williams Counties, North Dakota
ND32. Geologic and Hydrogeologic Conditions Affecting Land Use in the Bismarck-Mandan Area
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OK02. Guidebook for Geologic Field Trips in Oklahoma
OK03. Geologic Field Trips in Northwest Oklahoma
OK04. Guidebook for Geologic Field Trips in North-Central Oklahoma

OK05. Guidebooks
OK08. Oklahoma Geology Notes
OK09. Hazardous-Waste Disposal in Oklahoma -- A Symposium
SD01. Natural Source
SD03. Environment Education Connections of South Dakota (EECSD)
SD04. Project SAVE
SD05. SDGS Publications
TN01. Geology of Tennessee Slide and Sample Presentation
TX10. Geomorphology and Quaternary Stratigraphy of the Rolling Plains, Texas Panhandle
TX18. Approaches to Environmental Geology
TX21. Texas Lignite--Status and Outlook to 2000
TX25. Environmental Geologic Atlas of the Texas Coastal Zone
VT01. Vermont Geological Survey
VA02. Catalogue
VA03. Brochures
WA01. Information sheets, pamphlets, publications
WV01. RockCamp Earth Science Activity Series
WV02. Videos
WV04. ED-A Publications, Maps and Services of the West Virginia Geological and Economic Survey
WV10. ED-G Ask Us!
WI01. Geologic and topographic maps and publications about Wisconsin geology
WI02. Groundwater and Land Use in the Water Cycle (poster's)

Engineering geology/geologic hazards

AL01. Geoscience Educational Resource Center
AGI01. Earth-Science Education Resource Directory
AGI02. Geotimes
AGI04. Adventures in Geology
AGI06. Dictionary of Geological Terms
AGI07. Earth Science Content Guidelines Grades K-12
AGI08. Earth Science Investigations
AGI11. The Making of a Continent
AGI13. GeoRef
CO01. Outreach
CO08. Publications List
CO10. Snow Avalanche Publications (Bulletin, Information, Miscellaneous & Special series - BU-49, IS-38, MI-30, SP-7 and others)
CO11. Geologic Hazard Publications (Special Publication Series & Environmental Geology series: SP-11, 12, 14, 18 & EG-7, 9)
CO12. Radioactive and Hazardous Waste publications (Miscellaneous Information series - MI-25, 26 & others)
DE01. Teachers Packet
DE02. Building tours and talks
FL01. List of Publications
ID01. Books and maps on the geology of Idaho; information service; summer workshops for teachers
IL01. Resources for Teaching Geology
IL05. GEOGRAMS generally single-sheet, single concept articles
IL15. Geological Science Field Trips
IN05. Our Hoosier State Beneath Us
IN06. Educational Publications
KS03. List of earthquake intensities for Kansas, 1867-1977
KS05. Earthquakes
KS16. Kansas geomaps
ME01. The Maine Geological Survey
MD01. List of Publications
MD02. Various pamphlets
MD03. Geologic and topographic maps
MD04. Reports and other printed material
MD06. Lectures, field trips, etc.
MN03. Minnesota Geological Survey Newsletter
MN13. General Geology topics. Lectures and field trips for public groups (i.e., Geological Society of Minnesota)
MT01. Publications
NV01. Earth Science Education Outreach Program
NM01. Geologic Extension Service
NM02. Lite Geology
NY01. Geology of New York: A Simplified Account
NY02. Leaflets and small maps
NY03. Publications of the New York State Geological Survey, New York State Museum, Empire State Geogram ISSN0013-676X
NY05. Geogram - Geological Research in New York (for appropriate year), Empire State Geogram ISSN0013-676X
NY06. Honorarium. Student Internship of the New York State Geological Survey, New York State Museum

ND02. Flooding in the Grand Forks - East Grand Forks Area
ND14. List of Publications
ND23. Subsurface Geology and Foundation Conditions in Grant Forks, North Dakota
ND24. Environmental Geology and North Dakota
ND29. Geology for Planning at Langdon, North Dakota
ND30. Physical Data for Land-Use Planning - Cass County, North Dakota, and Clay County, Minnesota - An Inventory of Mineral, Soil and Water Resources
ND31. Physical Data for Land-Use Planning - Divide, McKenzie, and Williams Counties, North Dakota
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OK08. Oklahoma Geology Notes
OR01. Almost all of our magazines, books, maps, and brochures are educational. Most have been written for adults with some technical background.
PA09. Geologic Hazards in Pennsylvania
PA10. Earthquake Hazard in Pennsylvania
SD01. Natural Source
SD03. Environment Education Connections of South Dakota (EECSD)
SD05. SDGS Publications
TN01. Geology of Tennessee Slide and Sample Presentation
TX15. A Compendium of Earthquake Activity in Texas
TX17. Hurricanes as Geological Agents: Case Studies of Hurricanes Carla, 1961, and Cindy, 1963
TX22. Sulfur in Texas
TX24. Natural Hazards of the Texas Coastal Zone
TX25. Environmental Geologic Atlas of the Texas Coastal Zone
UT02. Places with Hazards: A teacher's handbook on natural hazards in Utah-The earthquake hazard in Utah
UT03. Places with Hazards: A teacher's handbook on natural hazards in Utah - Slope failures in Utah
UT04. Places with hazards: A teacher's handbook, on natural hazards in Utah - Problem soil and rock in Utah
UT05. Places with hazards: A teacher's handbook on natural hazards in Utah - The radon hazard in Utah
UT06. Earthquake awareness and risk reduction in Utah (video)
UT08. Earthquake fault maps (8 x 11) of portions of Davis, Salt Lake, Utah, and Weber counties in Utah
UT09. Liquefaction - potential maps (8x11) of portions of Davis, Salt Lake, Utah and Weber Counties in Utah
UT10. Radon-hazard potential in portions of Salt Lake and Utah Counties in Utah
WA01. Information sheets, pamphlets, publications
WV01. RockCamp Earth Science Activity Series
WV04. ED-A Publications, Maps and Services of the West Virginia Geological and Economic Survey
WV07. ED-D Proceedings of the Fourth Conference on Karst Geology and Hydrology, 1974
WV10. ED-G Ask Us!
WY01. Wyoming Geo-maps

Geophysics/remote sensing

AL01. Geoscience Educational Resource Center
AGI01. Earth-Science Education Resource Directory
AGI02. Geotimes
AGI04. Adventures in Geology
AGI06. Dictionary of Geological Terms
AGI07. Earth Science Content Guidelines Grades K-12
AGI08. Earth Science Investigations
AGI11. The Making of a Continent
AGI13. GeoRef
CO08. Publications List
DE01. Teachers Packet
DE02. Building tours and talks
FL01. List of Publications
GA12. Georgia: A view from space; An interpretation of Landsat-1 imagery (1976)
GA13. USGS Maps. U.S. Map 1. Landsat Satellite Imagery Mosaic (1:500,000)(1976)
GA14. Regional Maps RM-6,7,8,&9. Satellite Series: Blue Ridge Mts., Coastal Georgia, Cumberland Plateau, & Okefenokee Swamp (1977)
ID01. Books and maps on the geology of Idaho; information service; summer workshops for teachers
IL05. GEOGRAMS generally single-sheet, single concept articles
IL14. Professional Geologic Maps. Satellite Image Map of Illinois (scale 1:500,000; 1 in = 8 miles).
IL15. Geological Science Field Trips
IN05. Our Hoosier State Beneath Us
IN06. Educational Publications
MD01. List of Publications
MD03. Geologic and topographic maps

MD04. Reports and other printed material
MD06. Lectures, field trips, etc.
MN03. Minnesota Geological Survey Newsletter
MN07. A history of geologic mapping in Minnesota
MN13. General Geology topics. Lectures and field trips for public groups (i.e., Geological Society of Minnesota)
MT01. Publications
NY01. Geology of New York: A Simplified Account
NY02. Leaflets and small maps
NY03. Publications of the New York State Geological Survey, New York State Museum, Empire State Geogram ISSN0013-676X
NY05. Geogram - Geological Research in New York (for appropriate year), Empire State Geogram ISSN0013-676X
NY06. Honorarium. Student Internship of the New York State Geological Survey, New York State Museum
ND14. List of Publications
ND28. Magnetic Anomalies in Pembina County, North Dakota
OK07. Earthquake Map of Oklahoma
OK08. Oklahoma Geology Notes
SD01. Natural Source
SD03. Environment Education Connections of South Dakota (EECSD)
SD05. SDGS Publications
TX15. A Compendium of Earthquake Activity in Texas
TX30. Tectonic Map of Texas
TX31. Tectonic Map of Texas
TN01. Geology of Tennessee Slide and Sample Presentation
WI01. Geologic and topographic maps and publications about Wisconsin geology
WV01. RockCamp Earth Science Activity Series
WV04. ED-A Publications, Maps and Services of the West Virginia Geological and Economic Survey
WV10. ED-G Ask Us!
WY01. Wyoming Geo-maps

Geologic principles/processes

AL01. Geoscience Educational Resource Center
AK01. Minerals Instruction Kit
AGI01. Earth-Science Education Resource Directory
AGI02. Geotimes
AGI04. Adventures in Geology
AGI06. Dictionary of Geological Terms
AGI07. Earth Science Content Guidelines Grades K-12
AGI08. Earth Science Investigations
AGI11. The Making of a Continent
AGI13. GeoRef
CO01. Outreach
CO03. Scenic trips into Colorado Geology publications (Special Publication series & Miscellaneous Information series: SP-27, MI-17,27,47,48)
CO06. Dinosaur Publications (Special Publication series & Miscellaneous Information series: SP-35, MI-28, 41, 42, 47)
CO08. Publications List
CO11. Geologic Hazard Publications (Special Publication Series & Environmental Geology series: SP-11, 12, 14, 18 & EG-7, 9)
CT01. Publication Sales
DE01. Teachers Packet
DE02. Building tours and talks
FL01. List of Publications
IL01. Resources for Teaching Geology
IL15. Geological Science Field Trips
IN05. Our Hoosier State Beneath Us
IN06. Educational Publications
ME01. The Maine Geological Survey
MD01. List of Publications
MD02. Various pamphlets
MD03. Geologic and topographic maps
MD04. Reports and other printed material
MD06. Lectures, field trips, etc.
MI01. Gerald E. Eddy Geology Center
MI02. Maps and Publications List
MN07. A history of geologic mapping in Minnesota
MN12. K-12 Talks on General Geologic Topics
MN13. General Geology topics. Lectures and field trips for public groups (i.e., Geological Society of Minnesota)
MT01. Publications
NV01. Earth Science Education Outreach Program
NM01. Geologic Extension Service
NM02. Lite Geology

NY01. Geology of New York: A Simplified Account
NY02. Leaflets and small maps
NY03. Publications of the New York State Geological Survey, New York State Museum, Empire State Geogram ISSN0013-676X
NY04. New York State Geological Highway Map
NY05. Geogram - Geological Research in New York (for appropriate year), Empire State Geogram ISSN0013-676X
NY06. Honorarium. Student Internship of the New York State Geological Survey, New York State Museum
ND01. Guidebooks
ND02. Flooding in the Grand Forks - East Grand Forks Area
ND04. Geologic Time in North Dakota
ND06. Geology Along North Dakota Interstate 94
ND07. Auto Tour Guide to the North and South Units of the Theodore Roosevelt National Park
ND09. Explanatory Text to Accompany the Geologic Map of North Dakota
ND10. Face of North Dakota, Revised Edition
ND12. Landforms of North Dakota
ND13. NDGS Newsletter
ND14. List of Publications
ND15. The Geology of the Turtle River State Park
ND20. Popular Geology of Eddy and Foster Counties, North Dakota
ND21. Geology of Northeastern North Dakota
ND22. Guide to the Geology of Burleigh County, North Dakota
OH01. List of Educational Resources of the Ohio Division of Geological Survey and sources of additional information
OH02. Annual Industrial Minerals Teacher Workshop
OH03. Rock and Mineral Set
OH04. Ohio Geological Survey Educational Leaflet Series
OK01. Geology and Earth Resources of Oklahoma
OK02. Guidebook for Geologic Field Trips in Oklahoma
OK03. Geologic Field Trips in Northwest Oklahoma
OK04. Guidebook for Geologic Field Trips in North-Central Oklahoma
OK05. Guidebooks
OK07. Earthquake Map of Oklahoma
OK08. Oklahoma Geology Notes
PA12. Outstanding Scenic Geological Features of Pennsylvania - Part 2.
PA17. Geology of the Appalachian Trail in Pennsylvania
PA18. Elevations in Pennsylvania
PA26. Park Guide 1. Through Creek State Park-Ice Mine and Balanced Rock
PA27. Park Guide 2. Hickory Run State Park-Boulder Field
PA28. Park Guide 3. Archbald State Park-Archbald Pothole
PA29. Park Guide 4. Moraine State Park
PA30. Park Guide 5. Leonard Harrison and Colton Point State Parks - The Grand Canyon of Pennsylvania
PA31. Park Guide 6. French Creek State Park, Berks and Chester Counties-Piedmont Rocks and Hopewell Furnace
PA32. Park Guide 7. Ohiopyle State Park-Geologic Features of Interest
PA33. Park Guide 8. Valley Forge National Historical Park, Montgomery and Chester Counties-The Geologic History
PA34. Park Guide 9. McConnells Mill State Park-Slippery Rock Creek Gorge
PA35. Park Guide 10. Gifford Pincoht State Park-Diabase (Molten Liquid Rock)
PA36. Park Guide 11. Ravensburg State Park, Clinton County-Castle Rocks
PA37. Park Guide 12. Worlds End State Park, Sullivan County-Geologic Features of Interest
PA38. Park Guide 13. Ricketts Glen State Park, Luzerne County-The Rocks, the Glens, and the Falls
PA39. Park Guide 14. Nockamixon State Park, Bucks County-Rocks and Joints
PA40. Park Guide 15. Caledonia and Pine Grove Furnace State Parks, Cumberland, Adams, and Franklin Counties-Geologic Features and ol
Ore Industry
PA41. Park Guide 16. Swatara State Park, Lebanon and Schuylkill Counties-Geologic Features and Fossil Sites
PA42. Park Guide 17. Samuel S. Lewis State Park, York County-Mt. Pisgah and the Lower Susquehanna Valley
PA43. Park Guide 18. Promised Land State Park, Pike County-Ancient Rivers and Ages of Ice
PA44. Park Guide 19. Raymond B. Winter State Park, Union County-Scenery, Rocks, and Springs in Eastern Brush Valley
PA45. Park Guide 20. White Clay Creek Preserve, Chester County, Pennsylvania; New Castle County, Delaware-A Scenic Valley and the oA
Corner
PA46. Park Guide 21. Presque Isle State Park, Erie County-A Dynamic Interface of Water and Land
SD03. Environment Education Connections of South Dakota (EECSD)
SD05. SDGS Publications
TX03. The Geologic Story of Longhorn Cavern
TX05. The Big Bend of the Rio Grande, A Guide to the Rocks, Landscape, Geologic History, and Settlers of the Area of Big Bend National Park
TX06. The Geologic Story of Palo Duro Canyon
TX07. Guide to Points of Geologic Interest in Austin
TX08. Padre Island National Seashore--A Guide to the Geology, Natural Environments, and History of a Texas Barrier Island
TX09. Geology of Monahans Sandhills State Park, Texas
TX10. Geomorphology and Quaternary Stratigraphy of the Rolling Plains, Texas Panhandle
TX12. Potential Geothermal Resources of Texas
TX13. The Gulf Shoreline of Texas: Processes, Characteristics, and Factors in Use
TX14. Shoreline and Vegetation-Line Movement, Texas Gulf Coast, 1974 to 1982

TX15. A Compendium of Earthquake Activity in Texas
TX17. Hurricanes as Geological Agents: Case Studies of Hurricanes Carla, 1961, and Cindy, 1963
TX24. Natural Hazards of the Texas Coastal Zone
TX25. Environmental Geologic Atlas of the Texas Coastal Zone
TX30. Tectonic Map of Texas
TX31. Tectonic Map of Texas
TN01. Geology of Tennessee Slide and Sample Presentation
UT06. Earthquake awareness and risk reduction in Utah (video)
UT07. A Salt Lake Valley field trip guide for educators teaching 8th grade science
UT12. Field trip along the Wasatch Front
WA01. Information sheets, pamphlets, publications
WV01. RockCamp Earth Science Activity Series
WV04. ED-A Publications, Maps and Services of the West Virginia Geological and Economic Survey
WV09. ED-F Appalachian Structures - Origin, Evolution, and Possible Potential for New Exploration Frontiers: A Seminar, 1972
WV10. ED-G Ask Us!
WI01. Geologic and topographic maps and publications about Wisconsin geology
WI02. Groundwater and Land Use in the Water Cycle (poster's)

Other

AGI03. AGI Publications and Services
AGI05. Careers in the Geosciences
AGI10. Planning for Field Safety
AASG01. State Geological Survey Fact Book
AASG02. State Geologists Journal
AASG03. The State Geological Surveys: A History
CA15. Gold Districts of California
IL07. Miscellaneous Education Note Sets and Publications
IL13. Professional Geologic Maps. Base Map of Illinois (scale 1:500,000; 1 in = 8 miles)
KS13. Caves in Kansas
LA02. Shallow Aquifers in Louisiana
LA03. Environmental Geology & Hydrogeology for the Non-geologist
LA06. Integrating Math and Science to Improve Teacher Skills (proposed)
ME01. The Maine Geological Survey
MN08. Dunes of the Anoka Sand Plain
NE02. Publications List
NV01. Earth Science Education Outreach Program
NY02. Leaflets and small maps
OR01. Almost all of our magazines, books, maps, and brochures are educational. Most, however, have been written for adults with some technical background
PA16. Caves of Western Pennsylvania
PA22. Physiographic Provinces of Pennsylvania
SD01. Natural Science
SD02. Vermillion Water Festival
SD03. Environment Education Connections of South Dakota (EECSD)
SD04. Project SAVE
TX08. Padre Island National Seashore--A Guide to the Geology, Natural Environments, and History of a Texas Barrier Island
TX13. The Gulf Shoreline of Texas: Processes, Characteristics, and Factors in Use
TX14. Shoreline and Vegetation-Line Movement, Texas Gulf Coast, 1974 to 1982
TX24. Natural Hazards of the Texas Coastal Zone
TX25. Environmental Geologic Atlas of the Texas Coastal Zone
TX28. Land Resources of Texas
TX30. Tectonic Map of Texas
TX31. Tectonic Map of Texas
WV01. RockCamp Earth Science Activity Series
WV02. Videos
WV03. Reprints
WV04. ED-A Publications, Maps and Services of the West Virginia Geological and Economic Survey
WV08. ED-E Current Geological Research in West Virginia
WV10. ED-G Ask Us!
WV21. ED-9 Coal and Coal Mining in West Virginia, revised ed. 1964
WV22. ED-10 Geologic History of West Virginia, 1975
WV24. ED-12 Coal Blooms: Description of Sulfate Mineral Efflorescences Associated with Coal, 1976
WY01. Wyoming Geo-maps

GRADES

Elementary (K-6)

AL01. Geoscience Educational Resource Center
AK01. Minerals Instruction Kit
AGI01. Earth-Science Education Resource Directory
AGI02. Geotimes
AGI03. AGI Publications and Services
AGI04. Adventures in Geology
AGI07. Earth Science Content Guidelines Grades K-12
AGI12. AGI Homepage
AGI13. GeoRef
AASG01. State Geological Survey Fact Book
CO01. Outreach
CO06. Dinosaur Publications (Special Publication series & Miscellaneous Information series: SP-35, MI-28, 41, 42, 47)
CO07. Postcard - Geology of Colorado
CO08. Publications List
CT01. Publication Sales
DE01. Teachers Packet
DE02. Building tours and talks
FL01. List of Publications
FL02. Florida Rock and Mineral Kit
ID01. Books and maps on the geology of Idaho; information service; summer workshops for teachers
IL01. Resources for Teaching Geology
IL02. Guide for Beginning Fossil Hunters.
IL03. Guide to Rocks and Minerals of Illinois.
IL04. Guide to Pennsylvania Fossil Plants of Illinois.
IL05. GEOGRAMS generally single-sheet, single concept articles
IL06. Handbook of Illinois Stratigraphy.
IL07. Miscellaneous Education Note Sets and Publications.
IL08. Professional Geologic Maps. Geologic Map of Illinois (scale 1:500,000, 1 in. = 8 miles).
IL09. Professional Geologic Maps. Quaternary Deposits of Illinois (scale 1:500,000, 1 in. = 8 miles).
IL10. Professional Geologic Map. Coal Industry in Illinois, 1984 (scale 1:500,000; 1 in. = 8 miles).
IL11. Professional Geologic Maps. Oil and Gas Industry in Illinois (1977) (scale 1:500,000; 1 in. = 8 miles).
IL12. Professional Geologic Maps. Landforms Map of Illinois (scale 1:1,000,000; 1 in. = 16 miles).
IL13. Professional Geologic Maps. Base Map of Illinois (scale 1:500,000; 1 in. = 8 miles).
IL14. Professional Geologic Maps. Satellite Image Map of Illinois (scale 1:500,000; 1 in. = 8 miles).
IN01. Rock, Mineral, Fossil Specimen Identification
IN02. Geology Building Tour
IN03. Classroom Lectures
IN04. Indiana Rock Set
IN05. Our Hoosier State Beneath Us
IN06. Educational Publications
KS04. Kansas Geology: An introduction to landscapes, rocks, minerals, and fossils
KS06. Twenty Kansas rocks and minerals
KS17. A guide to finding Kansas maps
KS19. From sea to prairie: a primer of Kansas geology
KS22. Ancient life found in Kansas rocks (common fossils of Kansas)
KY01. Kentucky Geological Survey Public Information
ME01. The Maine Geological Survey
MD01. List of Publications
MD02. Various pamphlets
MD03. Geologic and topographic maps
MD04. Reports and other printed material
MD05. A Collection of Rocks and Minerals of Maryland
MD06. Lectures, field trips, etc.
MI01. Gerald E. Eddy Geology Center
MI02. Maps and Publications List
MN01. Guide to mineral collecting in Minnesota (2nd revised ed)
MN06. Sample box containing 3 minerals and 3 fossils
MN12. K-12 Talks on General Geologic Topics
MT01. Publications
NE01. NESEN (Nebraska Earth Science Education Network)
NV01. Earth Science Education Outreach Program
NM01. Geologic Extension Service
NM02. Lite Geology

NY02. Leaflets and small maps
NY03. Publications of the New York State Geological Survey, New York State Museum, Empire State Geogram ISSN0013-676X
NY04. New York State Geological Highway Maps
NC02. Rock Kit: North Carolina
NC03. Fossil Collecting in North Carolina
NC04. A geologic guide to North Carolina's state parks
NC05. Generalized Geologic Map of North Carolina
NC06. Generalized Geologic Map of North Carolina (postcard)
NC07. Geologic Map of North Carolina
NC08. Miocene Geology of the continental shelf; Onslow Bay, NC
NC09. Gold in North Carolina (Brochure)
NC10. Guide to Geologic Points of Interest along I-26 (Brochure)
NC11. Guide to Geologic Points of Interest along I-40 (Brochure)
NC12. Geology and Down to Earth Facts
ND08. Geologic Postcard
ND11. North Dakota Rock and Mineral Samples
OH01. List of Educational Resources of the Ohio Division of Geological Survey and sources of additional information
OH02. Annual Industrial Minerals Teacher Workshop
OH03. Rock and Mineral Set
OH04. Ohio Geological Survey Educational Leaflet Series
OK02. Guidebook for Geologic Field Trips in Oklahoma
PA01. Rocks and Minerals of Pennsylvania
PA02. Common Fossils of Pennsylvania
PA03. Ground Water in Pennsylvania
PA04. The Geology of Pennsylvania
PA05. Geology and the Gettysburg Campaign
PA06. Pennsylvania and the Ice Age
PA07. Coal in Pennsylvania
PA08. Geology of Pennsylvania's Oil and Gas
PA09. Geologic Hazards in Pennsylvania
PA10. Earthquake Hazard in Pennsylvania
PA11. Building Stones of Pennsylvania's Capital Area
PA12. Outstanding Scenic Geological Features of Pennsylvania - Part 2
PA13. Your Guide to the Geology of the Kings Gap Area, Cumberland County, Pennsylvania
PA14. Meteorites Found in Pennsylvania
PA15. Fossil Collecting in Pennsylvania
PA16. Caves of Western Pennsylvania
PA17. Geology of the Appalachian Trail in Pennsylvania
PA18. Elevations in Pennsylvania
PA19. Geologic Map of Pennsylvania
PA20. Oil and Gas Fields of Pennsylvania
PA21. Distribution of Pennsylvania Coals
PA22. Physiographic Provinces of Pennsylvania
PA23. Limestone and Dolomite Distribution in Pennsylvania
PA24. Glacial Deposits of Pennsylvania
PA25. Surficial Materials of Pennsylvania
PA26. Park Guide 1. Through Creek State Park-Ice Mine and Balanced Rock
PA27. Park Guide 2. Hickory Run State Park-Boulder Field
PA28. Park Guide 3. Archbald State Park-Archbald Pothole
PA29. Park Guide 4. Moraine State Park
PA30. Park Guide 5. Leonard Harrison and Colton Point State Parks - The Grand Canyon of Pennsylvania
PA31. Park Guide 6. French Creek State Park, Berks and Chester Counties-Piedmont Rocks and Hopewell Furnace
PA32. Park Guide 7. Ohiopyle State Park-Geologic Features of Interest
PA33. Park Guide 8. Valley Forge National Historical Park, Montgomery and Chester Counties-The Geologic
PA34. Park Guide 9. McConnells Mill State Park-Slippery Rock Creek Gorge History
PA35. Park Guide 10. Gifford Pincoht State Park-Diabase (Molten Liquid Rock)
PA36. Park Guide 11. Ravensburg State Park, Clinton County-Castle Rocks
PA37. Park Guide 12. Worlds End State Park, Sullivan County-Geologic Features of Interest
PA38. Park Guide 13. Ricketts Glen State Park, Luzerne County-The Rocks, the Glens, and the Falls
PA39. Park Guide 14. Nockamixon State Park, Bucks County-Rocks and Joints
PA40. Park Guide 15. Caledonia and Pine Grove Furnace State Parks, Cumberland, Adams, and Franklin Counties-Geologic Features and Iron Ore Industry
PA41. Park Guide 16. Swatara State Park, Lebanon and Schuylkill Counties-Geologic Features and Fossil Sites
PA42. Park Guide 17. Samuel S. Lewis State Park, York County-Mt. Pisgah and the Lower Susquehanna Valley
PA43. Park Guide 18. Promised Land State Park, Pike County-Ancient Rivers and Ages of Ice
PA44. Park Guide 19. Raymond B. Winter State Park, Union County-Scenery, Rocks, and Springs in Eastern Brush Valley
PA45. Park Guide 20. White Clay Creek Preserve, Chester County, Pennsylvania; New Castle County, Delaware-A Scenic Valley and the Arc Corner
PA46. Park Guide 21. Presque Isle State Park, Erie County-A Dynamic Interface of Water and Land
SC01. South Carolina Minerals and Rocks

SD01. Natural Source
SD02. Vermillion Water Festival
SD03. Environment Education Connections of South Dakota (EECSD)
SD04. Project SAVE
SD05. SDGS Publications
TN01. Geology of Tennessee Slide and Sample Presentation
TN02. Tennessee Rock/Mineral Set
TX01. Rock Kit
TX02. Texas Fossils: An Amateur Collector's Handbook
TX04. Texas Rocks and Minerals: An Amateur's Guide
TX16. Texas Gemstones
UT06. Earthquake awareness and risk reduction in Utah (video)
UT08. Earthquake fault maps (8 x 11) of portions of Davis, Salt Lake, Utah, and Weber counties in Utah
UT09. Liquefaction - potential maps (8x11) of portions of Davis, Salt Lake, Utah and Weber Counties in Utah
UT10. Radon-hazard potential in portions of Salt Lake and Utah Counties in Utah
UT11. Utah's Geologic History
UT12. Field trip along the Wasatch Front
UT13. Rock, mineral, and fossil kits
UT14. "Teacher Corner" in the Utah Geological Survey's Survey Notes
UT15. Publications for teachers
VT01. Vermont Geological Survey
VA01. Rock Samples
WV01. RockCamp Earth Science Activity Series
WV02. Videos
WV04. ED-A Publications, Maps and Services of the West Virginia Geological and Economic Survey
WV10. ED-G Ask Us!
WV11. ED-H West Virginia Water Use Data System: Informational brochure, 1980
WV12. ED-1 Natural Resources of West Virginia, 2nd ed. 1957
WV13. ED-2 A Guide to the Common Fossil Plants of West Virginia, 1970
WV14. ED-3 Plant Fossils of West Virginia, 1966
WV15. ED-3A Plant Fossils of West Virginia, revised edition 1978
WV16. ED-4 History and Bibliography of West Virginia Paleobotany, 1961
WV17. ED-5 Oil and Gas in West Virginia, 1964
WV19. ED-7 Common Minerals and Rocks of West Virginia, 5th ed. 1966
WV20. ED-8 Minerals of West Virginia, 1964
WV21. ED-9 Coal and Coal Mining in West Virginia, revised ed. 1964
WV22. ED-10 Geologic History of West Virginia, 1975
WV23. ED-11 A Practical Handbook for Individual Water-Supply Systems in West Virginia, 1976
WI01. Geologic and topographic maps and publications about Wisconsin geology
WI02. Groundwater and Land Use in the Water Cycle (poster's)
WY01. Wyoming Geo-maps

Middle (7-9)

AL01. Geoscience Educational Resource Center
AK01. Minerals Instruction Kit
AGI01. Earth-Science Education Resource Directory
AGI02. Geotimes
AGI03. AGI Publications and Services
AGI04. Adventures in Geology
AGI05. Careers in the Geosciences
AGI06. Dictionary of Geological Terms
AGI07. Earth Science Content Guidelines Grades K-12
AGI08. Earth Science Investigations
AGI09. Minerals -- Foundations of Society
AGI10. Planning for Field Safety
AGI11. The Making of a Continent
AGI13. GeoRef
AASG01. State Geological Survey Fact Book
AASG03. The State Geological Surveys: A History
CO01. Outreach
CO03. Scenic trips into Colorado Geology publications (Special Publication series & Miscellaneous Information series: SP-27, MI-17,27,47,48)
CO04. Colorado Geologic Highway Map
CO05. Geologic Map of Colorado, 1979
CO06. Dinosaur Publications (Special Publication series & Miscellaneous Information series: SP-35, MI-28, 41, 42, 47)
CO07. Postcard - Geology of Colorado
CO08. Publications List
CO09. Gem and Mineral Publications (Miscellaneous Information series - MI-37, 43, 45, 46 and others)

CO12. Radioactive and Hazardous Waste publications (Miscellaneous Information series - MI-25, 26 & others)
CT01. Publication Sales
DE01. Teachers Packet
DE02. Building tours and talks
FL01. List of Publications
FL02. Florida Rock and Mineral Kit
GA21. Topographic Maps, (1:24,000 &/or 1:62,500)
ID01. Books and maps on the geology of Idaho; information service; summer workshops for teachers
IL01. Resources for Teaching Geology
IL02. Guide for Beginning Fossil Hunters.
IL03. Guide to Rocks and Minerals of Illinois.
IL04. Guide to Pennsylvania Fossil Plants of Illinois.
IL05. GEOGRAMS generally single-sheet, single concept articles
IL06. Handbook of Illinois Stratigraphy.
IL07. Miscellaneous Education Note Sets and Publications
IL08. Professional Geologic Maps. Geologic Map of Illinois (scale 1:500,000, 1 in. = 8 miles).
IL09. Professional Geologic Maps. Quaternary Deposits of Illinois (scale 1:500,000, 1 in. = 8 miles).
IL10. Professional Geologic Map. Coal Industry in Illinois, 1984 (scale 1:500,000; 1 in. = 8 miles).
IL11. Professional Geologic Maps. Oil and Gas Industry in Illinois (1977) (scale 1:500,000; 1 in. = 8 miles).
IL12. Professional Geologic Maps. Landforms Map of Illinois (scale 1:1,000,000; 1 in. = 16 miles).
IL13. Professional Geologic Maps. Base Map of Illinois (scale 1:500,000; 1 in. = 8 miles).
IL14. Professional Geologic Maps. Satellite Image Map of Illinois (scale 1:500,000; 1 in. = 8 miles).
IN01. Rock, Mineral, Fossil Specimen Identification
IN02. Geology Building Tour
IN03. Classroom Lectures
IN04. Indiana Rock Set
IN05. Our Hoosier State Beneath Us
IN06. Educational Publications
KS02. Geologic highway map of Kansas
KS03. List of earthquake intensities for Kansas, 1867-1977
KS04. Kansas Geology: An introduction to landscapes, rocks, minerals, and fossils
KS05. Earthquakes
KS06. Twenty Kansas rocks and minerals
KS09. Roadside Kansas: A traveler's guide to its geology and landmarks
KS10. Kansas ground water
KS13. Caves in Kansas
KS15. Geologic map of Kansas
KS16. Kansas geomaps
KS17. A guide to finding Kansas maps
KS18. Petroleum: a primer of Kansas
KS19. From sea to prairie: a primer of Kansas geology
KS20. Kansas clays for the ceramic hobbyist
KS21. Kansas rocks and minerals
KS22. Ancient life found in Kansas rocks (common fossils of Kansas)
KS23. Kansas landscapes: a geologic diary
KY01. Kentucky Geological Survey Public Information
ME01. The Maine Geological Survey
MD01. List of Publications
MD02. Various pamphlets
MD03. Geologic and topographic maps
MD04. Reports and other printed material
MD05. A Collection of Rocks and Minerals of Maryland
MD06. Lectures, field trips, etc.
MI01. Gerald E. Eddy Geology Center
MI02. Maps and Publications List
MN01. Guide to mineral collecting in Minnesota (2nd revised ed)
MN04. Minnesota at a glance: Quaternary glacial geology
MN06. Sample box containing 3 minerals and 3 fossils
MN08. Dunes of the Anoka Sand Plain
MN12. K-12 Talks on General Geologic Topics
MT01. Publications
NE01. NESEN (Nebraska Earth Science Education Network)
NE02. Publications List
NV01. Earth Science Education Outreach Program
NJ01. Maps and Reports
NM01. Geologic Extension Service
NM02. Lite Geology
NY01. Geology of New York: A Simplified Account
NY02. Leaflets and small maps

NY03. Publications of the New York State Geological Survey, New York State Museum, Empire State Geogram ISSN0013-676X
NY04. New York State Geological Highway Map
NC01. Gold in North Carolina
NC02. Rock Kit: North Carolina
NC03. Fossil Collecting in North Carolina
NC04. A geologic guide to North Carolina's state parks
NC05. Generalized Geologic Map of North Carolina
NC06. Generalized Geologic Map of North Carolina (postcard)
NC07. Geologic Map of North Carolina
NC08. Miocene Geology of the continental shelf; Onslow Bay, NC
NC09. Gold in North Carolina (Brochure)
NC10. Guide to Geologic Points of Interest along I-26 (Brochure)
NC11. Guide to Geologic Points of Interest along I-40 (Brochure)
NC12. Geology and Down to Earth Facts
NC13. Rockhounding on National Forest Land
NC14. Mineral Industry of North Carolina, 1993 (Brochure)
NC15. 1992 Net Import Reliance - Non Fuel Minerals
ND08. Geologic Postcard
ND11. North Dakota Rock and Mineral Samples
ND12. Landforms of North Dakota
ND17. Geologic and Topographic Bedrock Map of North Dakota
ND18. North Dakota Geological Highway Map
OH01. List of Educational Resources of the Ohio Division of Geological Survey and sources of additional information
OH02. Annual Industrial Minerals Teacher Workshop
OH03. Rock and Mineral Set
OH04. Ohio Geological Survey Educational Leaflet Series
OK01. Geology and Earth Resources of Oklahoma
OK02. Guidebook for Geologic Field Trips in Oklahoma
OK03. Geologic Field Trips in Northwest Oklahoma
OK04. Guidebook for Geologic Field Trips in North-Central Oklahoma
OK05. Guidebooks
OK06. Geologic Map of Oklahoma
OK07. Earthquake Map of Oklahoma
OK10. Map of Oklahoma Oil and Gas Fields
OR01. Almost all of our magazines, books, maps, and brochures are educational. Most have been written for adults with some technical background.
PA01. Rocks and Minerals of Pennsylvania
PA02. Common Fossils of Pennsylvania
PA03. Ground Water in Pennsylvania
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PA05. Geology and the Gettysburg Campaign
PA06. Pennsylvania and the Ice Age
PA07. Coal in Pennsylvania
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PA23. Limestone and Dolomite Distribution in Pennsylvania
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PA29. Park Guide 4. Moraine State Park
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PA36. Park Guide 11. Ravensburg State Park, Clinton County-Castle Rocks
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UT05. Places with hazards: A teacher's handbook on natural hazards in Utah - The radon hazard in Utah
UT06. Earthquake awareness and risk reduction in Utah (video)
UT07. A Salt Lake Valley field trip guide for educators teaching 8th grade science
UT08. Earthquake fault maps (8 x 11) of portions of Davis, Salt Lake, Utah, and Weber counties in Utah
UT09. Liquefaction - potential maps (8x11) of portions of Davis, Salt Lake, Utah and Weber Counties in Utah
UT10. Radon-hazard potential in portions of Salt Lake and Utah Counties in Utah
UT11. Utah's Geologic History
UT12. Field trip along the Wasatch Front
UT13. Rock, mineral, and fossil kits
UT14. "Teacher Corner" in the Utah Geological Survey's Survey Notes
UT15. Publications for teachers
VT01. Vermont Geological Survey
VA01. Rock Samples
WV01. RockCamp Earth Science Activity Series
WV02. Videos
WV03. Reprints
WV04. ED-A Publications, Maps and Services of the West Virginia Geological and Economic Survey
WV05. ED-B I.C. White Memorial Symposium - "The Age of the Dunkard" - Symposium Abstracts and Reference Papers, 1972
WV06. ED-C Proceedings of the First I.C. White Memorial Symposium: "The Age of the Dunkard", December 1975
WV07. ED-D Proceedings of the Fourth Conference on Karst Geology and Hydrology, 1974
WV10. ED-G Ask Us!
WV11. ED-H West Virginia Water Use Data System: Informational brochure, 1980
WV12. ED-1 Natural Resources of West Virginia, 2nd ed. 1957
WV13. ED-2 A Guide to the Common Fossil Plants of West Virginia, 1970
WV14. ED-3 Plant Fossils of West Virginia, 1966
WV15. ED-3A Plant Fossils of West Virginia, revised edition 1978
WV16. ED-4 History and Bibliography of West Virginia Paleobotany, 1961
WV17. ED-5 Oil and Gas in West Virginia, 1964
WV18. ED-6 Synopsis of Drilling in West Virginia, 1964
WV19. ED-7 Common Minerals and Rocks of West Virginia, 5th ed. 1966
WV20. ED-8 Minerals of West Virginia, 1964

WV21. ED-9 Coal and Coal Mining in West Virginia, revised ed. 1964
WV22. ED-10 Geologic History of West Virginia, 1975
WV23. ED-11 A Practical Handbook for Individual Water-Supply Systems in West Virginia, 1976
WI01. Geologic and topographic maps and publications about Wisconsin geology
WI02. Groundwater and Land Use in the Water Cycle (poster's)
WY01. Wyoming Geo-maps

High School (10-12)

AL01. Geoscience Educational Resource Center
AK01. Minerals Instruction Kit
AGI01. Earth-Science Education Resource Directory
AGI02. Geotimes
AGI03. AGI Publications and Services
AGI05. Careers in the Geosciences
AGI06. Dictionary of Geological Terms
AGI07. Earth Science Content Guidelines Grades K-12
AGI08. Earth Science Investigations
AGI09. Minerals -- Foundations of Society
AGI10. Planning for Field Safety
AGI11. The Making of a Continent
AGI12. AGI Homepage
AGI13. GeoRef
AASG01. State Geological Survey Fact Book
AASG02. State Geologists Journal
AASG03. The State Geological Surveys: A History
CO01. Outreach
CO02. Gold Planning & Occurrences in Colorado Publications (Information & Resource series - IS-33, RS-28)
CO03. Scenic trips into Colorado Geology publications (Special Publication series & Miscellaneous Information series: SP-27, MI-17,27,47,48)
CO04. Colorado Geologic Highway Map
CO05. Geologic Map of Colorado, 1979
CO06. Dinosaur Publications (Special Publication series & Miscellaneous Information series: SP-35, MI-28, 41, 42, 47)
CO07. Postcard - Geology of Colorado
CO08. Publications List
CO09. Gem and Mineral Publications (Miscellaneous Information series - MI-37, 43, 45, 46 and others)
CO10. Snow Avalanche Publications (Bulletin, Information, Miscellaneous & Special series - BU-49, IS-38, MI-30, SP-7 and others)
CO12. Radioactive and Hazardous Waste publications (Miscellaneous Information series - MI-25, 26 & others)
CT01. Publication Sales
DE01. Teachers Packet
DE02. Building tours and talks
FL01. List of Publications
FL02. Florida Rock and Mineral Kit
GA21. Topographic Maps (1:24,000&/or 1:62,500)
ID01. Books and maps on the geology of Idaho; information service; summer workshops for teachers
IL01. Resources for Teaching Geology
IL02. Guide for Beginning Fossil Hunters.
IL03. Guide to Rocks and Minerals of Illinois.
IL04. Guide to Pennsylvania Fossil Plants of Illinois.
IL05. GEOGRAMS generally single-sheet, single concept articles
IL06. Handbook of Illinois Stratigraphy.
IL07. Miscellaneous Education Note Sets and Publications
IL08. Professional Geologic Maps. Geologic Map of Illinois (scale 1:500,000, 1 in. = 8 miles).
IL09. Professional Geologic Maps. Quaternary Deposits of Illinois (scale 1:500,000, 1 in. = 8 miles).
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IL12. Professional Geologic Maps. Landforms Map of Illinois (scale 1:1,000,000; 1 in. = 16 miles).
IL13. Professional Geologic Maps. Base Map of Illinois (scale 1:500,000; 1 in = 8 miles).
IL14. Professional Geologic Maps. Satellite Image Map of Illinois (scale 1:500,000; 1 in = 8 miles).
IN01. Rock, Mineral, Fossil Specimen Identification
IN02. Geology Building Tour
IN03. Classroom Lectures
IN04. Indiana Rock Set
IN05. Our Hoosier State Beneath Us
IN06. Educational Publications
KS02. Geologic highway map of Kansas
KS03. List of earthquake intensities for Kansas, 1867-1977
KS04. Kansas Geology: An introduction to landscapes, rocks, minerals, and fossils
KS05. Earthquakes

KS06. Twenty Kansas rocks and minerals
KS09. Roadside Kansas: A traveler's guide to its geology and landmarks
KS10. Kansas ground water
KS13. Caves in Kansas
KS14. Quaternary environments of Kansas (guidebook for the 33rd field conference of the Midwest Friends of Pleistocene)
KS15. Geologic map of Kansas
KS16. Kansas geomaps
KS17. A guide to finding Kansas maps
KS18. Petroleum: a primer of Kansas
KS20. Kansas clays for the ceramic hobbyist
KS21. Kansas rocks and minerals
KS22. Ancient life found in Kansas rocks (common fossils of Kansas)
KS23. Kansas landscapes: a geologic diary
KS24. Land of the Post Rock: Its Origins, History, and People
KY01. Kentucky Geological Survey Public Information
LA01. Groundwater Workshop
ME01. The Maine Geological Survey
MD01. List of Publications
MD02. Various pamphlets
MD03. Geologic and topographic maps
MD04. Reports and other printed material
MD05. A Collection of Rocks and Minerals of Maryland
MD06. Lectures, field trips, etc.
MI01. Gerald E. Eddy Geology Center
MI02. Maps and Publications List
MN01. Guide to mineral collecting in Minnesota (2nd revised ed)
MN02. Bedrock geologic map of Minnesota
MN04. Minnesota at a glance: Quaternary glacial geology
MN05. Geologic map of Minnesota, bedrock geology
MN06. Sample box containing 3 minerals and 3 fossils
MN07. A history of geologic mapping in Minnesota
MN08. Dunes of the Anoka Sand Plain
MN11. The search for oil and gas in Minnesota
MN12. K-12 Talks on General Geologic Topics
MT01. Publications
NE01. NESEN (Nebraska Earth Science Education Network)
NE02. Publications List
NV01. Earth Science Education Outreach Program
NJ01. Maps and Reports
NM01. Geologic Extension Service
NM02. Lite Geology
NY01. Geology of New York: A Simplified Account
NY02. Leaflets and small maps
NY03. Publications of the New York State Geological Survey, New York State Museum, Empire State Geogram ISSN0013-676X
NY04. New York State Geological Highway Map
NY05. Geogram - Geological Research in New York (for appropriate year), Empire State Geogram ISSN 0013-676X
NC01. Gold in North Carolina
NC02. Rock Kit: North Carolina
NC03. Fossil Collecting in North Carolina
NC04. A geologic guide to North Carolina's state parks
NC05. Generalized Geologic Map of North Carolina
NC06. Generalized Geologic Map of North Carolina (postcard)
NC07. Geologic Map of North Carolina
NC08. Miocene Geology of the continental shelf; Onslow Bay, NC
NC09. Gold in North Carolina (Brochure)
NC10. Guide to Geologic Points of Interest along I-26 (Brochure)
NC11. Guide to Geologic Points of Interest along I-40 (Brochure)
NC12. Geology and Down to Earth Facts
NC13. Rockhounding on National Forest Land
NC14. Mineral Industry of North Carolina, 1993 (Brochure)
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ND01. Guidebooks
ND02. Flooding in the Grand Forks - East Grand Forks Area
ND03. Petroleum--A Primer for North Dakota
ND05. Geologic Time in North Dakota
ND05. A History of Coal Mining in North Dakota
ND07. Geology Along North Dakota Interstate 94
ND07. Auto Tour Guide to the North and South Units of the Theodore Roosevelt National Park

ND09. Explanatory Text to Accompany the Geologic Map of North Dakota
ND10. Face of North Dakota, Revised Edition
ND12. Landforms of North Dakota
ND13. NDGS Newsletter
ND14. List of Publications
ND15. The Geology of the Turtle River State Park
ND18. North Dakota Geological Highway Map
ND19. Ground Water, A Vital North Dakota Resource
ND20. Popular Geology of Eddy and Foster Counties, North Dakota
ND21. Geology of Northeastern North Dakota
ND22. Guide to the Geology of Burleigh County, North Dakota
ND23. Subsurface Geology and Foundation Conditions in Grant Forks, North Dakota
ND24. Environmental Geology and North Dakota
ND25. Annotated Bibliography of the Geology of North Dakota 1806-1959
ND26. Oil exploration and development in the North Dakota Williston Basin
ND27. A History of the North Dakota Geological Survey
ND28. Magnetic Anomalies in Pembina County, North Dakota
ND29. Geology for Planning at Langdon, North Dakota
ND30. Physical Data for Land-Use Planning - Cass County, North Dakota, and Clay County, Minnesota - An Inventory of Mineral, Soil and Water Resources
ND31. Physical Data for Land-Use Planning - Divide, McKenzie, and Williams Counties, North Dakota
ND32. Geologic and Hydrogeologic Conditions Affecting Land Use in the Bismarck-Mandan Area
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TX10. Geomorphology and Quaternary Stratigraphy of the Rolling Plains, Texas Panhandle
TX11. Guide to the Permian Reef Geology Trail, McKittrick Canyon, Guadalupe Mountains National Part, West Texas
TX12. Potential Geothermal Resources of Texas
TX13. The Gulf Shoreline of Texas: Processes, Characteristics, and Factors in Use
TX14. Shoreline and Vegetation-Line Movement, Texas Gulf Coast, 1974 to 1982
TX15. A Compendium of Earthquake Activity in Texas
TX16. Texas Gemstones
TX17. Hurricanes as Geological Agents: Case Studies of Hurricanes Carla, 1961, and Cindy, 1963
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TX19. Gold and Silver in Texas
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TX21. Texas Lignite--Status and Outlook to 2000
TX22. Sulfur in Texas
TX23. Bituminous Coal in Texas
TX24. Natural Hazards of the Texas Coastal Zone
TX26. Geology of Texas Map
TX27. Geologic Map of Texas
TX28. Land Resources of Texas
TX29. Mineral Resources of Texas
TX30. Tectonic Map of Texas
TX31. Tectonic Map of Texas
TX32. Geologic Atlas of Texas Map Series
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VA03. Brochures
WA01. Information sheets, pamphlets, publications

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WV07. ED-D Proceedings of the Fourth Conference on Karst Geology and Hydrology, 1974
WV08. ED-E Current Geological Research in West Virginia
WV09. ED-F Appalachian Structures - Origin, Evolution, and Possible Potential for New Exploration Frontiers: A Seminar, 1972
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WV11. ED-H West Virginia Water Use Data System: Informational brochure, 1980
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WV20. ED-8 Minerals of West Virginia, 1964
WV21. ED-9 Coal and Coal Mining in West Virginia, revised ed. 1964
WV22. ED-10 Geologic History of West Virginia, 1975
WV23. ED-11 A Practical Handbook for Individual Water-Supply Systems in West Virginia, 1976
WV24. ED-12 Coal Blooms: Description of Sulfate Mineral Efflorescences Associated with Coal, 1976
WI01. Geologic and topographic maps and publications about Wisconsin geology
WI02. Groundwater and Land Use in the Water Cycle (poster's)
WY01. Wyoming Geo-maps

Post Secondary

AL01. Geoscience Educational Resource Center
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AGI05. Careers in the Geosciences
AGI06. Dictionary of Geological Terms
AGI07. Earth Science Content Guidelines Grades K-12
AGI09. Minerals -- Foundations of Society
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AGI11. The Making of a Continent
AGI12. AGI Homepage
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IL08. Professional Geologic Maps. Geologic Map of Illinois (scale 1:500,000, 1 in. = 8 miles).

IL09. Professional Geologic Maps. Quaternary Deposits of Illinois (scale 1:500,000, 1 in. = 8 miles).
IL10. Professional Geologic Map. Coal Industry in Illinois, 1984 (scale 1:500,000; 1 in. = 8 miles).
IL11. Professional Geologic Maps. Oil and Gas Industry in Illinois (1977) (scale 1:500,000; 1 in. = 8 miles).
IL12. Professional Geologic Maps. Landforms Map of Illinois (scale 1:1,000,000; 1 in. = 16 miles).
IL13. Professional Geologic Maps. Base Map of Illinois (scale 1:500,000; 1 in. = 8 miles).
IL14. Professional Geologic Maps. Satellite Image Map of Illinois (scale 1:500,000; 1 in. = 8 miles).
IN01. Rock, Mineral, Fossil Specimen Identification
IN02. Geology Building Tour
IN06. Educational Publications
KS01. Guidebook-24th Annual Meeting, Midwestern Friends of the Pleistoncene (Meade County, Kansas)
KS02. Geologic highway map of Kansas
KS03. List of earthquake intensities for Kansas, 1867-1977
KS04. Kansas Geology: An introduction to landscapes, rocks, minerals, and fossils
KS07. Guidebook-Upper Pennsylvanian cyclotemic limestone facies in eastern Kansas
KS08. Guidebook-Upper Cretaceous stratigraphy and depositional environments of western Kansas
KS09. Roadside Kansas: A traveler's guide to its geology and landmarks
KS10. Kansas ground water
KS11. Guidebook-Pennsylvanian cyclic platform deposits of Kansas and Nebraska
KS12. Regional geology and paleontology of Upper Paleozoic Hamilton quarry area in southeastern Kansas
KS14. Quaternary environments of Kansas (guidebook for the 33rd field conference of the Midwest Friends of Pleistocene)
KS15. Geologic map of Kansas
KS16. Kansas geomaps
KS17. A guide to finding Kansas maps
KS24. Land of the Post Rock: Its Origins, History, and People
ME01. The Maine Geological Survey
MD01. List of Publications
MD02. Various pamphlets
MD03. Geologic and topographic maps
MD04. Reports and other printed material
MD05. A Collection of Rocks and Minerals of Maryland
MD06. Lectures, field trips, etc.
MI02. Maps and Publications List
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MN03. Minnesota Geological Survey Newsletter
MN04. Minnesota at a glance: Quaternary glacial geology
MN05. Geologic map of Minnesota, bedrock geology
MN06. Sample box containing 3 minerals and 3 fossils
MN07. A history of geologic mapping in Minnesota
MN09. Using ground-water data for water planning
MN10. Geologic history of Minnesota Rivers
MN11. The search for oil and gas in Minnesota
MT01. Publications
NE01. NESEN (Nebraska Earth Science Education Network)
NE02. Publications List
NJ01. Maps and Reports
NM01. Geologic Extension Service
NM02. Lite Geology
NY01. Geology of New York: A Simplified Account
NY02. Leaflets and small maps
NY03. Publications of the New York State Geological Survey, New York State Museum, Empire State Geogram ISSN0013-676X
NY04. New York State Geological Highway Map
NY05. Geogram - Geological Research in New York (for appropriate year), Empire State Geogram ISSN 0013-676X
NY06. Honorarium. Student Internship of the New York State Geological Survey, New York State Museum.
NC01. Gold in North Carolina
NC03. Fossil Collecting in North Carolina
NC04. A geologic guide to North Carolina's state parks
NC05. Generalized Geologic Map of North Carolina
NC06. Generalized Geologic Map of North Carolina (postcard)
NC07. Geologic Map of North Carolina
NC08. Miocene Geology of the continental shelf; Onslow Bay, NC
NC09. Gold in North Carolina (Brochure)
NC10. Guide to Geologic Points of Interest along I-26 (Brochure)
NC11. Guide to Geologic Points of Interest along I-40 (Brochure)
NC12. Geology and Down to Earth Facts
NC13. Rockhounding on National Forest Land
NC14. Mineral Industry of North Carolina, 1993 (Brochure)
NC15. 1992 Net Import Reliance - Non Fuel Minerals
NC16. Publication List

ND01. Guidebooks
ND02. Flooding in the Grand Forks - East Grand Forks Area
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ND27. A History of the North Dakota Geological Survey
ND28. Magnetic Anomalies in Pembina County, North Dakota
ND29. Geology for Planning at Langdon, North Dakota
ND30. Physical Data for Land-Use Planning - Cass County, North Dakota, and Clay County, Minnesota - An Inventory of Mineral, Soil and Water Resources
ND31. Physical Data for Land-Use Planning - Divide, McKenzie, and Williams Counties, North Dakota
ND32. Geologic and Hydrogeologic Conditions Affecting Land Use in the Bismarck-Mandan Area
OH01. List of Educational Resources of the Ohio Division of Geological Survey and sources of additional information
OH02. Annual Industrial Minerals Teacher Workshop
OH04. Ohio Geological Survey Educational Leaflet Series
OK01. Geology and Earth Resources of Oklahoma
OK02. Guidebook for Geologic Field Trips in Oklahoma
OK03. Geologic Field Trips in Northwest Oklahoma
OK04. Guidebook for Geologic Field Trips in North-Central Oklahoma
OK05. Guidebooks
OK06. Geologic Map of Oklahoma
OK07. Earthquake Map of Oklahoma
OK08. Oklahoma Geology Notes
OK09. Hazardous-Waste Disposal in Oklahoma -- A Symposium
OK10. Map of Oklahoma Oil and Gas Fields
OR01. Almost all of our magazines, books, maps, and brochures are educational. Most have been written for adults with some technical background.
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PA02. Common Fossils of Pennsylvania
PA03. Ground Water in Pennsylvania
PA04. The Geology of Pennsylvania
PA05. Geology and the Gettysburg Campaign
PA06. Pennsylvania and the Ice Age
PA07. Coal in Pennsylvania
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PA10. Earthquake Hazard in Pennsylvania
PA11. Building Stones of Pennsylvania's Capital Area
PA12. Outstanding Scenic Geological Features of Pennsylvania - Part 2.
PA13. Your Guide to the Geology of the Kings Gap Area, Cumberland County, Pennsylvania.
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PA22. Physiographic Provinces of Pennsylvania
PA23. Limestone and Dolomite Distribution in Pennsylvania
PA24. Glacial Deposits of Pennsylvania
PA25. Surficial Materials of Pennsylvania.
PA26. Park Guide 1. Through Creek State Park-Ice Mine and Balanced Rock
PA27. Park Guide 2. Hickory Run State Park-Boulder Field

PA28. Park Guide 3. Archbald State Park-Archbald Pothole
PA29. Park Guide 4. Moraine State Park
PA30. Park Guide 5. Leonard Harrison and Colton Point State Parks - The Grand Canyon of Pennsylvania
PA31. Park Guide 6. French Creek State Park, Berks and Chester Counties-Piedmont Rocks and Hopewell Furnace
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PA35. Park Guide 10. Gifford Pincoht State Park-Diabase (Molten Liquid Rock)
PA36. Park Guide 11. Ravensburg State Park, Clinton County-Castle Rocks
PA37. Park Guide 12. Worlds End State Park, Sullivan County-Geologic Features of Interest
PA38. Park Guide 13. Ricketts Glen State Park, Luzerne County-The Rocks, the Glens, and the Falls
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PA46. Park Guide 21. Presque Isle State Park, Erie County-A Dynamic Interface of Water and Land
SD05. SDGS Publications
TN01. Geology of Tennessee Slide and Sample Presentation
TN02. Tennessee Rock/Mineral Set
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TX17. Hurricanes as Geological Agents: Case Studies of Hurricanes Carla, 1961, and Cindy, 1963
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TX19. Gold and Silver in Texas
TX20. Annotated Bibliography of Mineral Deposits in Trans-Pecos Texas
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TX22. Sulfur in Texas
TX23. Bituminous Coal in Texas
TX24. Natural Hazards of the Texas Coastal Zone
TX25. Environmental Geologic Atlas of the Texas Coastal Zone
TX26. Geology of Texas Map
TX27. Geologic Map of Texas
TX28. Land Resources of Texas
TX29. Mineral Resources of Texas
TX30. Tectonic Map of Texas
TX31. Tectonic Map of Texas
TX32. Geologic Atlas of Texas Map Series
UT01. A short course in petroleum geology, with examples from Utah's petroleum provinces
UT06. Earthquake awareness and risk reduction in Utah (video)
UT09. Liquefaction - potential maps (8x11) of portions of Davis, Salt Lake, Utah and Weber Counties in Utah
UT11. Utah's Geologic History
VT01. Vermont Geological Survey
VA02. Catalogue
WA01. Information sheets, pamphlets, publications
WV02. Videos
WV03. Reprints
WV04. ED-A Publications, Maps and Services of the West Virginia Geological and Economic Survey
WV05. ED-B I.C. White Memorial Symposium - "The Age of the Dunkard" - Symposium Abstracts and Reference Papers, 1972
WV06. ED-C Proceedings of the First I.C. White Memorial Symposium: "The Age of the Dunkard", December 1975
WV07. ED-D Proceedings of the Fourth Conference on Karst Geology and Hydrology, 1974
WV08. ED-E Current Geological Research in West Virginia
WV09. ED-F Appalachian Structures - Origin, Evolution, and Possible Potential for New Exploration Frontiers: A Seminar, 1972
WV10. ED-G Ask Us!
WV11. ED-H West Virginia Water Use Data System: Informational brochure, 1980
WV12. ED-1 Natural Resources of West Virginia, 2nd ed. 1957
WV13. ED-2 A Guide to the Common Fossil Plants of West Virginia, 1970
WV14. ED-3 Plant Fossils of West Virginia, 1966

WV15. ED-3A Plant Fossils of West Virginia, revised edition 1978
WV16. ED-4 History and Bibliography of West Virginia Paleobotany, 1961
WV17. ED-5 Oil and Gas in West Virginia, 1964
WV18. ED-6 Synopsis of Drilling in West Virginia, 1964
WV19. ED-7 Common Minerals and Rocks of West Virginia, 5th ed. 1966
WV20. ED-8 Minerals of West Virginia, 1964
WV21. ED-9 Coal and Coal Mining in West Virginia, revised ed. 1964
WV22. ED-10 Geologic History of West Virginia, 1975
WV23. ED-11 A Practical Handbook for Individual Water-Supply Systems in West Virginia, 1976
WV24. ED-12 Coal Blooms: Description of Sulfate Mineral Efflorescences Associated with Coal, 1976
WI01. Geologic and topographic maps and publications about Wisconsin geology
WY01. Wyoming Geo-maps

General Public

AL01. Geoscience Educational Resource Center
AK01. Minerals Instruction Kit
AGI01. Earth-Science Education Resource Directory
AGI02. Geotimes
AGI03. AGI Publications and Services
AGI07. Earth Science Content Guidelines Grades K-12
AGI11. The Making of a Continent
AGI12. AGI Homepage
AGI13. GeoRef
AASG01. State Geological Survey Fact Book
AASG02. State Geologists Journal
AASG03. The State Geological Surveys: A History
CO01. Outreach
CO02. Gold Planning & Occurrences in Colorado Publications (Information & Resource series - IS-33, RS-28)
CO03. Scenic trips into Colorado Geology publications (Special Publication series & Miscellaneous Information series: SP-27, MI-17,27,47,48)
CO04. Colorado Geologic Highway Map
CO05. Geologic Map of Colorado, 1979
CO06. Dinosaur Publications (Special Publication series & Miscellaneous Information series: SP-35, MI-28, 41, 42, 47)
CO07. Postcard - Geology of Colorado
CO08. Publications List
CO09. Gem and Mineral Publications (Miscellaneous Information series - MI-37, 43, 45, 46 and others)
CO10. Snow Avalanche Publications (Bulletin, Information, Miscellaneous & Special series - BU-49, IS-38, MI-30, SP-7 and others)
CO11. Geologic Hazard Publications (Special Publication Series & Environmental Geology series: SP-11, 12, 14, 18 & EG-7, 9)
CO12. Radioactive and Hazardous Waste publications (Miscellaneous Information series - MI-25, 26 & others)
CT01. Publication Sales
DE01. Teachers Packet
DE02. Building tours and talks
FL01. List of Publications
FL02. Florida Rock and Mineral Kit
GA01. Publications of the Georgia Geologic Survey (1993)
GA02. Mining Directory of Georgia (1991)
GA03. Mineral Industry of Georgia
GA04. The common rocks and minerals of Georgia (1935)
GA05. General Information on gold in Georgia
GA06. An account of the value and occurrence of gold in north Georgia (1990)
GA07. Illustrated fossils of the Georgia Coastal Plain (1969)
GA08. Prehistoric vertebrates of the Georgia Coastal Plain (1957)
GA09. The Okefenokee (1955)
GA10. Public water-use supply in Georgia (1987)
GA11. Meteorites in Georgia
GA12. Georgia: A view from space; An interpretation of Landsat-1 imagery (1976)
GA13. USGS Maps. U.S. Map 1. Landsat Satellite Imagery Mosaic (1:500,000)(1976)
GA14. Regional Maps RM-6,7,8,&9. Satellite Series: Blue Ridge Mts., Coastal Georgia, Cumberland Plateau, & Okefenokee Swamp (1977)
GA15. Statewide Maps. SM-3&5. Geologic Map of Georgia (1:500,000 & 1:2,000,000)(1976 & 1977)
GA16. Miscellaneous Maps. AAPG-1. Geological Highway Map, Southeast Region. Alabama, Florida, Georgia, Louisiana, Mississippi
GA17. Statewide Maps. SM-1&2. Mineral Resource of Georgia (1:500,000 & 1:2,000,000)(1969)
GA18. Statewide Map. SM-4. Physiographic Map of Georgia (1:2,000,000)(1976)
GA19. USGS Maps. U.S. Map 19. State of Georgia Shaded Relief Map (1:500,000)(1970)
GA20. USGS Maps. U.S. Map 2. Slope Map of Georgia (1:500,000)(1976)
GA21. Topographic Maps (1:24,000&/or 1:62,500)
GA22. Topographic Map. GGS 50001. Topographic Base Map of Georgia (1:500,000)(1970)
ID01. Books and maps on the geology of Idaho; information service; summer workshops for teachers
IL02. Guide for Beginning Fossil Hunters.

IL03. Guide to Rocks and Minerals of Illinois.
IL04. Guide to Pennsylvania Fossil Plants of Illinois.
IL05. GEOGRAMS generally single-sheet, single concept articles
IL06. Handbook of Illinois Stratigraphy.
IL07. Miscellaneous Education Note Sets and Publications.
IL08. Professional Geologic Maps. Geologic Map of Illinois (scale 1:500,000, 1 in. = 8 miles).
IL09. Professional Geologic Maps. Quaternary Deposits of Illinois (scale 1:500,000, 1 in. = 8 miles).
IL10. Professional Geologic Map. Coal Industry in Illinois, 1984 (scale 1:500,000; 1 in. = 8 miles).
IL11. Professional Geologic Maps. Oil and Gas Industry in Illinois (1977) (scale 1:500,000; 1 in .= 8 miles).
IL12. Professional Geologic Maps. Landforms Map of Illinois (scale 1:1,000,000; 1 in. = 16 miles).
IL13. Professional Geologic Maps. Base Map of Illinois (scale 1:500,000; 1 in. = 8 miles).
IL14. Professional Geologic Maps. Satellite Image Map of Illinois (scale 1:500,000; 1 in. = 8 miles).
IN01. Rock, Mineral, Fossil Specimen Identification
IN02. Geology Building Tour
IN06. Educational Publications
KS02. Geologic highway map of Kansas
KS03. List of earthquake intensities for Kansas, 1867-1977
KS04. Kansas Geology: An introduction to landscapes, rocks, minerals, and fossils
KS05. Earthquakes
KS06. Twenty Kansas rocks and minerals
KS08. Guidebook-Upper Cretaceous stratigraphy and depositional environments of western Kansas
KS09. Roadside Kansas: A traveler's guide to its geology and landmarks
KS10. Kansas ground water
KS13. Caves in Kansas
KS15. Geologic map of Kansas
KS16. Kansas geomaps
KS17. A guide to finding Kansas maps
KS18. Petroleum: a primer of Kansas
KS19. From sea to prairie: a primer of Kansas geology
KS20. Kansas clays for the ceramic hobbyist
KS21. Kansas rocks and minerals
KS22. Ancient life found in Kansas rocks (common fossils of Kansas)
KS23. Kansas landscapes: a geologic diary
KS24. Land of the Post Rock: Its Origins, History, and People
KY01. Kentucky Geological Survey Public Information
ME01. The Maine Geological Survey
MD01. List of Publications
MD02. Various pamphlets
MD03. Geologic and topographic maps
MD04. Reports and other printed material
MD05. A Collection of Rocks and Minerals of Maryland
MD06. Lectures, field trips, etc.
MI01. Gerald E. Eddy Geology Center
MI02. Maps and Publications List
MN01. Guide to mineral collecting in Minnesota (2nd revised ed)
MN02. Bedrock geologic map of Minnesota
MN03. Minnesota Geological Survey Newsletter
MN04. Minnesota at a glance: Quaternary glacial geology
MN05. Geologic map of Minnesota, bedrock geology
MN06. Sample box containing 3 minerals and 3 fossils
MN07. A history of geologic mapping in Minnesota
MN09. Using ground-water data for water planning
MN10. Geologic history of Minnesota Rivers
MN11. The search for oil and gas in Minnesota
MN13. General Geology topics. Lectures and field trips for public groups (i.e., Geological Society of Minnesota)
MT01. Publications
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TX19. Gold and Silver in Texas
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TX27. Geologic Map of Texas
TX28. Land Resources of Texas
TX29. Mineral Resources of Texas
TX30. Tectonic Map of Texas
TX31. Tectonic Map of Texas

TX32. Geologic Atlas of Texas Map Series
UT06. Earthquake awareness and risk reduction in Utah (video)
UT08. Earthquake fault maps (8 x 11) of portions of Davis, Salt Lake, Utah, and Weber counties in Utah
UT09. Liquefaction - potential maps (8x11) of portions of Davis, Salt Lake, Utah and Weber Counties in Utah
UT10. Radon-hazard potential in portions of Salt Lake and Utah Counties in Utah
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VT01. Vermont Geological Survey
VA02. Catalogue
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WV03. Reprints
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WV23. ED-11 A Practical Handbook for Individual Water-Supply Systems in West Virginia, 1976
WV24. ED-12 Coal Blooms: Description of Sulfate Mineral Efflorescences Associated with Coal, 1976
WI01. Geologic and topographic maps and publications about Wisconsin geology
WI02. Groundwater and Land Use in the Water Cycle (poster's)

TEXT-BASED INFORMATION

Background descriptive materials developed for teachers

AL01. Geoscience Educational Resource Center
AK01. Minerals Instruction Kit
AGI04. Adventures in Geology
AGI05. Careers in the Geosciences
AGI07. Earth Science Content Guidelines Grades K-12
AGI08. Earth Science Investigations
AASG01. State Geological Survey Fact Book
AASG02. State Geologists Journal
DE01. Teachers Packet
FL01. List of Publications
IL02. Guide for Beginning Fossil Hunters.
IL03. Guide to Rocks and Minerals of Illinois.
IL04. Guide to Pennsylvania Fossil Plants of Illinois.
IL05. GEOGRAMS generally single-sheet, single concept articles
IN06. Educational Publications
KS04. Kansas Geology: An introduction to landscapes, rocks, minerals, and fossils
KS13. Caves in Kansas
KS22. Ancient life found in Kansas rocks (common fossils of Kansas)
KS23. Kansas landscapes: a geologic diary Non-technical geological sampler of the major surficial rock systems in Kansas.
KY01. Kentucky Geological Survey Public Information
ME01. The Maine Geological Survey
MD05. A Collection of Rocks and Minerals of Maryland
NE01. NESEN (Nebraska Earth Science Education Network)
NV01. Earth Science Education Outreach Program
NM01. Geologic Extension Service
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OR01. Almost all of our magazines, books, maps, and brochures are educational. Most have been written for adults with some technical background.
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SD05. SDGS Publications
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TX24. Natural Hazards of the Texas Coastal Zone
TX25. Environmental Geologic Atlas of the Texas Coastal Zone

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UT04. Places with hazards: A teacher's handbook, on natural hazards in Utah - Problem soil and rock in Utah
UT05. Places with hazards: A teacher's handbook on natural hazards in Utah - The radon hazard in Utah
UT14. "Teacher Corner" in the Utah Geological Survey's Survey Notes
WV01. RockCamp Earth Science Activity Series
WV10. ED-G Ask Us!
WV11. ED-H West Virginia Water Use Data System: Informational brochure, 1980
WV18. ED-6 Synopsis of Drilling in West Virginia, 1964
WV20. ED-8 Minerals of West Virginia, 1964
WY01. Wyoming Geo-maps

Lay article useful to teachers/Educational leaflet

AL01. Geoscience Educational Resource Center
AGI02. Geotimes
AGI09. Minerals -- Foundations of Society
AGI11. The Making of a Continent
CO01. Outreach
CO02. Gold Planning & Occurrences in Colorado Publications (Information & Resource series - IS-33, RS-28)
CO03. Scenic trips into Colorado Geology publications (Special Publication series & Miscellaneous Information series: SP-27, MI-17,27;47,48)
CO04. Colorado Geologic Highway Map
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CO08. Publications List
CO09. Gem and Mineral Publications (Miscellaneous Information series - MI-37, 43, 45, 46 and others)
CO10. Snow Avalanche Publications (Bulletin, Information, Miscellaneous & Special series - BU-49, IS-38, MI-30, SP-7 and others)
CO11. Geologic Hazard Publications (Special Publication Series & Environmental Geology series: SP-11, 12, 14, 18 & EG-7, 9)
CO12. Radioactive and Hazardous Waste publications (Miscellaneous Information series - MI-25, 26 & others)
DE01. Teachers Packet
GA03. Mineral Industry of Georgia
GA04. The common rocks and minerals of Georgia (1935)
GA05. General Information on gold in Georgia
GA06. An account of the value and occurrence of gold in north Georgia (1990)
GA07. Illustrated fossils of the Georgia Coastal Plain (1969)
GA08. Prehistoric vertebrates of the Georgia Coastal Plain (1957)
GA09. The Okefenokee (1955)
GA12. Georgia: A view from space; An interpretation of Landsat-1 imagery (1976)
IL02. Guide for Beginning Fossil Hunters.
IL03. Guide to Rocks and Minerals of Illinois.
IL04. Guide to Pennsylvania Plant Fossils of Illinois.
IL05. GEOGRAMS generally single-sheet, single concept articles
IL07. Miscellaneous Education Note Sets and Publications.
IN05. Our Hoosier State Beneath Us
IN06. Educational Publications
KS05. Earthquakes
KS10. Kansas ground water
KS13. Caves in Kansas
KS17. A guide to finding Kansas maps
KS18. Petroleum: a primer of Kansas
KS19. From sea to prairie: a primer of Kansas geology
KS24. Land of the Post Rock: Its Origins, History, and People
KY01. Kentucky Geological Survey Public Information
MD02. Various pamphlets
MD04. Reports and other printed material
MI02. Maps and Publications List
MN01. Guide to mineral collecting in Minnesota (2nd revised ed)
MN04. Minnesota at a glance: Quaternary glacial geology
MN07. A history of geologic mapping in Minnesota
MN09. Using ground-water data for water planning
MN10. Geologic history of Minnesota Rivers
MN11. The search for oil and gas in Minnesota
MT01. Publications
NE01. NESEN (Nebraska Earth Science Education Network)
NV01. Earth Science Education Outreach Program
NM01. Geologic Extension Service
NM02. Lite Geology
NY01. Geology of New York: A Simplified Account

NY02. Leaflets and small maps
NY04. New York State Geological Highway Map
NY05. Geogram - Geological Research in New York (for appropriate year), Empire State Geogram ISSN 0013-676X
NC05. Generalized Geologic Map of North Carolina
NC06. Generalized Geologic Map of North Carolina (postcard)
ND02. Flooding in the Grand Forks - East Grand Forks Area
ND03. Petroleum--A Primer for North Dakota
ND04. Geologic Time in North Dakota
ND05. A History of Coal Mining in North Dakota, 1873-1982
ND13. NDGS Newsletter
ND15. The Geology of the Turtle River State Park
ND18. North Dakota Geological Highway Map
ND26. Ground Water, A Vital North Dakota Resource
ND19. Geology of Northeastern North Dakota
ND22. Guide to the Geology of Burleigh County, North Dakota
ND23. Subsurface Geology and Foundation Conditions in Grant Forks, North Dakota
ND24. Environmental Geology and North Dakota
ND26. Oil exploration and development in the North Dakota Williston Basin
ND27. A History of the North Dakota Geological Survey
ND28. Magnetic Anomalies in Pembina County, North Dakota
ND29. Geology for Planning at Langdon, North Dakota
ND30. Physical Data for Land-Use Planning - Cass County, North Dakota, and Clay County, Minnesota - An Inventory of Mineral, Soil and Water Resources
ND31. Physical Data for Land-Use Planning - Divide, McKenzie, and Williams Counties, North Dakota
ND32. Geologic and Hydrogeologic Conditions Affecting Land Use in the Bismarck-Mandan Area
OH02. Annual Industrial Minerals Teacher Workshop
OH04. Ohio Geological Survey Educational Leaflet Series
OK01. Geology and Earth Resources of Oklahoma
OK04. Guidebook for Geologic Field Trips in North-Central Oklahoma
OK05. Guidebooks
OK09. Hazardous-Waste Disposal in Oklahoma -- A Symposium
PA26. Park Guide 1. Through Creek State Park-Ice Mine and Balanced Rock
PA27. Park Guide 2. Hickory Run State Park-Boulder Field
PA28. Park Guide 3. Archbald State Park-Archbald Pothole
PA29. Park Guide 4. Moraine State Park
PA30. Park Guide 5. Leonard Harrison and Colton Point State Parks - The Grand Canyon of Pennsylvania
PA31. Park Guide 6. French Creek State Park, Berks and Chester Counties-Piedmont Rocks and Hopewell Furnace
PA32. Park Guide 7. Ohiopyle State Park-Geologic Features of Interest
PA34. Park Guide 9. McConnells Mill State Park-Slippery Rock Creek Gorge
PA35. Park Guide 10. Gifford Pincoht State Park-Diabase (Molten Liquid Rock)
PA36. Park Guide 11. Ravensburg State Park, Clinton County-Castle Rocks
PA37. Park Guide 12. Worlds End State Park, Sullivan County-Geologic Features of Interest
PA38. Park Guide 13. Ricketts Glen State Park, Luzerne County-The Rocks, the Glens, and the Falls
PA39. Park Guide 14. Nockamixon State Park, Bucks County-Rocks and Joints
PA40. Park Guide 15. Caledonia and Pine Grove Furnace State Parks, Cumberland, Adams, and Franklin Counties-Geologic Features and Iron Ore Industry
PA41. Park Guide 16. Swatara State Park, Lebanon and Schuylkill Counties-Geologic Features and Fossil Sites
PA42. Park Guide 17. Samuel S. Lewis State Park, York County-Mt. Pisgah and the Lower Susquehanna Valley
PA43. Park Guide 18. Promised Land State Park, Pike County-Ancient Rivers and Ages of Ice
PA44. Park Guide 19. Raymond B. Winter State Park, Union County-Scenery, Rocks, and Springs in Eastern Brush Valley
SD05. SDGS Publications
TN01. Geology of Tennessee Slide and Sample Presentation
TN02. Tennessee Rock/Mineral Set
TX02. Texas Fossils: An Amateur Collector's Handbook
TX03. The Geologic Story of Longhorn Cavern
TX16. Texas Gemstones
TX22. Sulfur in Texas
TX26. Geology of Texas Map
TX30. Tectonic Map of Texas
UT11. Utah's Geologic History
VA01. Rock Samples
VA03. Brochures
WA01. Information sheets, pamphlets, publications
WV03. Reprints
WV08. ED-E Current Geological Research in West Virginia
WV12. ED-1 Natural Resources of West Virginia, 2nd ed. 1957
WV13. ED-2 A Guide to the Common Fossil Plants of West Virginia, 1970
WV14. ED-3 Plant Fossils of West Virginia, 1966
WV15. ED-3A Plant Fossils of West Virginia, revised edition 1978

WV17. ED-5 Oil and Gas in West Virginia, 1964
WV22. ED-10 Geologic History of West Virginia, 1975
WV23. ED-11 A Practical Handbook for Individual Water-Supply Systems in West Virginia, 1976
WI01. Geologic and topographic maps and publications about Wisconsin geology
WI02. Groundwater and Land Use in the Water Cycle (poster's)

Scientific article

AL01. Geoscience Educational Resource Center
AGI02. Geotimes
CO02. Gold Planning & Occurrences in Colorado Publications (Information & Resource series - IS-33, RS-28)
CO08. Publications List
CO09. Gem and Mineral Publications (Miscellaneous Information series - MI-37, 43, 45, 46 and others)
CO10. Snow Avalanche Publications (Bulletin, Information, Miscellaneous & Special series - BU-49, IS-38, MI-30, SP-7 and others)
CO11. Geologic Hazard Publications (Special Publication Series & Environmental Geology series: SP-11, 12, 14, 18 & EG-7, 9)
CT01. Publication Sales
GA11. Meteorites in Georgia
IL06. Handbook of Illinois Stratigraphy.
IN06. Educational Publications
KS03. List of earthquake intensities for Kansas, 1867-1977
KS11. Guidebook-Pennsylvanian cyclic platform deposits of Kansas and Nebraska
KS12. Regional geology and paleontology of Upper Paleozoic Hamilton quarry area in southeastern Kansas
KS14. Quaternary environments of Kansas (guidebook for the 33rd field conference of the Midwest Friends of Pleistocene)
KY01. Kentucky Geological Survey Public Information
MD04. Reports and other printed material
MI02. Maps and Publications List
MT01. Publications
NE01. NESEN (Nebraska Earth Science Education Network)
NV01. Earth Science Education Outreach Program
NM01. Geologic Extension Service
NY05. Geogram - Geological Research in New York (for appropriate year), Empire State Geogram ISSN0013-676X
OK05. Guidebooks
OK08. Oklahoma Geology Notes
OK09. Hazardous-Waste Disposal in Oklahoma -- A Symposium
OR01. Almost all of our magazines, books, maps, and brochures are educational. Most have been written for adults with some technical background.
SC01. South Carolina Minerals and Rocks
SD05. SDGS Publications
TX11. Guide to the Permian Reef Geology Trail, McKittrick Canyon, Guadalupe Mountains National Part, West Texas
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TX23. Bituminous Coal in Texas
TX24. Natural Hazards of the Texas Coastal Zone
TX25. Environmental Geologic Atlas of the Texas Coastal Zone
TX31. Tectonic Map of Texas
VT01. Vermont Geological Survey
WA01. Information sheets, pamphlets, publications
WV03. Reprints
WV05. ED-B I.C. White Memorial Symposium - "The Age of the Dunkard" - Symposium Abstracts and Reference Papers, 1972
WV06. ED-C Proceedings of the First I.C. White Memorial Symposium: "The Age of the Dunkard", December 1975
WV07. ED-D Proceedings of the Fourth Conference on Karst Geology and Hydrology, 1974
WV09. ED-F Appalachian Structures - Origin, Evolution, and Possible Potential for New Exploration Frontiers: A Seminar, 1972
WV14. ED-3 Plant Fossils of West Virginia, 1966
WV15. ED-3A Plant Fossils of West Virginia, revised edition 1978
WV16. ED-4 History and Bibliography of West Virginia Paleobotany, 1961
WV24. ED-12 Coal Blooms: Description of Sulfate Mineral Efflorescences Associated with Coal, 1976
WI01. Geologic and topographic maps and publications about Wisconsin geology
WY01. Wyoming Geo-maps

Textbook/handbook/laboratory manual/teacher manual

AGI04. Adventures in Geology
AGI06. Dictionary of Geological Terms
AGI08. Earth Science Investigations
AGI09. Minerals -- Foundations of Society
AGI10. Planning for Field Safety
AGI11. The Making of a Continent
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CO03. Scenic trips into Colorado Geology publications (Special Publication series & Miscellaneous Information series: SP-27, MI-17,27,47,48)
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CO12. Radioactive and Hazardous Waste publications (Miscellaneous Information series - MI-25, 26 & others)
CT01. Publication Sales
FL01. List of Publications
KS20. Kansas clays for the ceramic hobbyist
KS21. Kansas rocks and minerals
ME01. The Maine Geological Survey
MD04. Reports and other printed material
NV01. Earth Science Education Outreach Program
NY01. Geology of New York: A Simplified Account
ND10. Educational Series 21. Face of North Dakota, Revised Edition, by John P. Bluemle
OH01. List of Educational Resources of the Ohio Division of Geological Survey and sources of additional information
OK02. Guidebook for Geologic Field Trips in Oklahoma
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PA14. Meteorites Found in Pennsylvania
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PA16. Caves of Western Pennsylvania
TX04. Texas Rocks and Minerals: An Amateur's Guide
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WV15. ED-3A Plant Fossils of West Virginia, revised edition 1978
WV17. ED-5 Oil and Gas in West Virginia, 1964
WV19. ED-7 Common Minerals and Rocks of West Virginia, 5th ed. 1966
WV20. ED-8 Minerals of West Virginia, 1964

WV21. ED-9 Coal and Coal Mining in West Virginia, revised ed. 1964
WV22. ED-10 Geologic History of West Virginia, 1975

List of references and resources for teachers

AL01. Geoscience Educational Resource Center
AK01. Minerals Instruction Kit
AGI01. Earth-Science Education Resource Directory
AGI02. Geotimes
AGI03. AGI Publications and Services
AGI13. GeoRef
CO06. Dinosaur Publications (Special Publication series & Miscellaneous Information series: SP-35, MI-28, 41, 42, 47)
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FL01. List of Publications
GA01. Circular 1. Publications of the Georgia Geologic Survey (1993)
IL01. Resources for Teaching Geology
KS02. Geologic highway map of Kansas
ME01. The Maine Geological Survey
MD01. List of Publications
MD04. Reports and other printed material
MI02. Maps and Publications List
MT01. Publications
NV01. Earth Science Education Outreach Program
NM01. Geologic Extension Service
NM02. Lite Geology
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WV10. ED-G Ask Us!

WV11. ED-H West Virginia Water Use Data System: Informational brochure, 1980
WY01. Wyoming Geo-maps

Fieldtrip guide

CO01. Outreach
CO06. Dinosaur Publications (Special Publication series & Miscellaneous Information series: SP-35, MI-28, 41, 42, 47)
CO08. Publications List
CO09. Gem and Mineral Publications (Miscellaneous Information series - MI-37, 43, 45, 46 and others)
CT01. Publication Sales
FL01. List of Publications
ID01. Books and maps on the geology of Idaho; information service; summer workshops for teachers
IL01. Resources for Teaching Geology
IL15. Geological Science Field Trips
IN06. Educational Publications
KS01. Guidebook-24th Annual Meeting, Midwestern Friends of the Pleistoncene (Meade County, Kansas)
KS07. Guidebook-Upper Pennsylvanian cyclotemic limestone facies in eastern Kansas
KS08. Guidebook-Upper Cretaceous stratigraphy and depositional environments of western Kansas
KS09. Roadside Kansas: A traveler's guide to its geology and landmarks
KS12. Regional geology and paleontology of Upper Paleozoic Hamilton quarry area in southeastern Kansas
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NC03. Fossil Collecting in North Carolina
NC04. A geologic guide to North Carolina's state parks
NC09. Gold in North Carolina (Brochure)
NC10. Guide to Geologic Points of Interest along I-26 (Brochure)
NC11. Guide to Geologic Points of Interest along I-40 (Brochure)
NC13. Rockhounding on National Forest Land
ND01. Guidebooks
ND06. Geology Along North Dakota Interstate 94
ND07. Auto Tour Guide to the North and South Units of the Theodore Roosevelt National Park
ND20. Popular Geology of Eddy and Foster Counties, North Dakota
ND21. Geology of Northeastern North Dakota
ND22. Guide to the Geology of Burleigh County, North Dakota
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WA01. Information sheets, pamphlets, publications
WI01. Geologic and topographic maps and publications about Wisconsin geology

Others

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PA03. Ground Water in Pennsylvania
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PA05. Geology and the Gettysburg Campaign
PA06. Pennsylvania and the Ice Age
PA07. Coal in Pennsylvania
PA08. Geology of Pennsylvania's Oil and Gas
PA09. Geologic Hazards in Pennsylvania
PA10. Earthquake Hazard in Pennsylvania
PA11. Building Stones of Pennsylvania's Capital Area
PA13. Your Guide to the Geology of the Kings Gap Area, Cumberland County, Pennsylvania.
PA18. Elevations in Pennsylvania
PA33. Park Guide 8. Valley Forge National Historical Park, Montgomery and Chester Counties--The Geologic History
PA45. Park Guide 20. White Clay Creek Preserve, Chester County, Pennsylvania; New Castle County, Delaware--A Scenic Valley and the Arc Corner
PS46. Park Guide 21. Presque Isle State Park, Erie County-A Dynamic Interface of Water and Land
SD02. Vermillion Water Festival
SD04. Project SAVE

OTHER TEACHING MEDIA

Audio-visual

AL01. Geoscience Educational Resource Center
AK01. Minerals Instruction Kit
AGI01. Earth-Science Education Resource
CO01. Outreach
CO08. Publications List
CO10. Snow Avalanche Publications (Bulletin, Information, Miscellaneous & Special series - BU-49, IS-38, MI-30, SP-7 and others)
FL01. List of Publications
ME01. The Maine Geological Survey
MN12. K-12 Talks on General Geologic Topics
MN13. General Geology topics. Lectures and field trips for public groups (i.e., Geological Society of Minnesota)
NE01. NESEN (Nebraska Earth Science Education Network)
NV01. Earth Science Education Outreach Program
NM01. Geologic Extension Service
ND12. Landforms of North Dakota
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UT04. Places with hazards: A teacher's handbook, on natural hazards in Utah - Problem soil and rock in Utah
UT05. Places with hazards: A teacher's handbook on natural hazards in Utah - The radon hazard in Utah
UT06. Earthquake awareness and risk reduction in Utah (video)
WV02. Videos
WY01. Wyoming Geo-maps

Computer

AL01. Geoscience Educational Resource Center
AGI01. Earth-Science Education Resource
CO01. Outreach
CO08. Publications List
CO10. Snow Avalanche Publications (Bulletin, Information, Miscellaneous & Special series - BU-49, IS-38, MI-30, SP-7 and others)
NE01. NESEN (Nebraska Earth Science Education Network)
NV01. Earth Science Education Outreach Program
NY03. Publications of the New York State Geological Survey, New York State Museum, Empire State Geogram ISSN0013-676X
WA01. Information sheets, pamphlets, publications

Maps, charts, posters

AL01. Geoscience Educational Resource Center
AK01. Minerals Instruction Kit
AGI01. Earth-Science Education Resource
AGI02. Geotimes
CA15. Gold Districts of California
CO01. Outreach
CO02. Gold Planning & Occurrences in Colorado Publications (Information & Resource series - IS-33, RS-28)
CO03. Scenic trips into Colorado Geology publications (Special Publication series & Miscellaneous Information series: SP-27, MI-17,27,47,48)
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CO05. Geologic Map of Colorado, 1979
CO06. Dinosaur Publications (Special Publication series & Miscellaneous Information series: SP-35, MI-28, 41, 42, 47)
CO07. Postcard - Geology of Colorado
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CO09. Gem and Mineral Publications (Miscellaneous Information series - MI-37, 43, 45, 46 and others)
CO11. Geologic Hazard Publications (Special Publication Series & Environmental Geology series: SP-11, 12, 14, 18 & EG-7, 9)
CT01. Publication Sales
FL01. List of Publications
GA02. Mining Directory of Georgia (1991)
GA10. Public water-use supply in Georgia (1987)
GA12. Georgia: A view from space; An interpretation of Landsat-1 imagery (1976)
GA13. USGS Maps. U.S. Map 1. Landsat Satellite Imagery Mosaic (1:500,000)(1976)
GA14. Regional Maps RM-6,7,8,&9. Satellite Series: Blue Ridge Mts., Coastal Georgia, Cumberland Plateau, & Okefenokee Swamp (1977)
GA15. Statewide Maps. SM-3&5. Geologic Map of Georgia (1:500,000 & 1:2,000,000)(1976 & 1977)
GA16. Miscellaneous Maps. AAPG-1. Geological Highway Map, Southeast Region. Alabama, Florida, Georgia, Louisiana, Mississippi

GA17. Statewide Maps. SM-1&2. Mineral Resource of Georgia (1:500,000 & 1:2,000,000)(1969)
GA18. Statewide Map. SM-4. Physiographic Map of Georgia (1:2,000,000)(1976)
GA19. USGS Maps. U.S. Map 19. State of Georgia Shaded Relief Map (1:500,000)(1970)
GA20. USGS Maps. U.S. Map 2. Slope Map of Georgia (1:500,000)(1976)
GA21. Topographic Maps (1:24,000&/or 1:62,500)
GA22. Topographic Map. GGS 50001. Topographic Base Map of Georgia (1:500,000)(1970)
ID01. Books and maps on the geology of Idaho; information service; summer workshops for teachers
IL08. Professional Geologic Maps. Geologic Map of Illinois (scale 1:500,000, 1 in. = 8 miles).
IL09. Professional Geologic Maps. Quaternary Deposits of Illinois (scale 1:500,000, 1 in. = 8 miles).
IL10. Professional Geologic Map. Coal Industry in Illinois, 1984 (scale 1:500,000; 1 in. = 8 miles).
IL11. Professional Geologic Maps. Oil and Gas Industry in Illinois (1977) (scale 1:500,000; 1 in. = 8 miles).
IL12. Professional Geologic Maps. Landforms Map of Illinois (scale 1:1,000,000; 1 in. = 16 miles).
IL13. Professional Geologic Maps. Base Map of Illinois (scale 1:500,000; 1 in. = 8 miles).
IL14. Professional Geologic Maps. Satellite Image Map of Illinois (scale 1:500,000; 1 in. = 8 miles).
IN06. Educational Publications
KS02. Geologic highway map of Kansas
KS15. Geologic map of Kansas
KS16. Kansas geomaps
KS17. A guide to finding Kansas maps
ME01. The Maine Geological Survey
MD03. Geologic and topographic maps
MI02. Maps and Publications List
MN02. Bedrock geologic map of Minnesota
MN05. Geologic map of Minnesota, bedrock geology
MN07. A history of geologic mapping in Minnesota
MN12. K-12 Talks on General Geologic Topics
MN13. General Geology topics. Lectures and field trips for public groups (i.e., Geological Society of Minnesota)
MT01. Publications
NE01. NESEN (Nebraska Earth Science Education Network)
NV01. Earth Science Education Outreach Program
NM01. Geologic Extension Service
NY04. New York State Geological Highway Map
NC05. Generalized Geologic Map of North Carolina
NC06. Generalized Geologic Map of North Carolina (postcard)
NC07. Geologic Map of North Carolina
NC08. Miocene Geology of the continental shelf; Onslow Bay, NC
ND08. Geologic Postcard
ND17. Geologic and Topographic Bedrock Map of North Dakota
ND18. North Dakota Geological Highway Map
ND20. Popular Geology of Eddy and Foster Counties, North Dakota
ND22. Guide to the Geology of Burleigh County, North Dakota
ND23. Subsurface Geology and Foundation Conditions in Grant Forks, North Dakota
ND31. Physical Data for Land-Use Planning - Divide, McKenzie, and Williams Counties, North Dakota
ND30. Physical Data for Land-Use Planning - Cass County, North Dakota, and Clay County, Minnesota - An Inventory of Mineral, Soil and Water Resources
ND32. Geologic and Hydrogeologic Conditions Affecting Land Use in the Bismarck-Mandan Area
OH01. List of Educational Resources of the Ohio Division of Geological Survey and sources of additional information
OH02. Annual Industrial Minerals Teacher Workshop
OH03. Rock and Mineral Set
OH04. Ohio Geological Survey Educational Leaflet Series
OR01. Almost all of our magazines, books, maps, and brochures are educational. Most, however, have been written for adults with some technical background.
PA19. Geologic Map of Pennsylvania
PA20. Oil and Gas Fields of Pennsylvania
PA21. Distribution of Pennsylvania Coals
PA22. Physiographic Provinces of Pennsylvania
PA23. Limestone and Dolomite Distribution in Pennsylvania
PA24. Glacial Deposits of Pennsylvania
SD01. Natural Source
SD04. Project SAVE
SD05. SDGS Publications
TN02. Tennessee Rock/Mineral Set
TX25. Environmental Geologic Atlas of the Texas Coastal Zone
TX26. Geology of Texas Map
TX27. Geologic Map of Texas
TX28. Land Resources of Texas
TX29. Mineral Resources of Texas
TX30. Tectonic Map of Texas
TX31. Tectonic Map of Texas

TX32. Geologic Atlas of Texas Map Series
UT02. Places with Hazards: A teacher's handbook on natural hazards in Utah-The earthquake hazard in Utah
UT03. Places with Hazards: A teacher's handbook on natural hazards in Utah - Slope failures in Utah
UT04. Places with hazards: A teacher's handbook, on natural hazards in Utah - Problem soil and rock in Utah
UT05. Places with hazards: A teacher's handbook on natural hazards in Utah - The radon hazard in Utah
UT08. Earthquake fault maps (8 x 11) of portions of Davis, Salt Lake, Utah, and Weber counties in Utah
UT10. Radon-hazard potential in portions of Salt Lake and Utah Counties in Utah
UT11. Utah's Geologic History
WA01. Information sheets, pamphlets, publications
WI01. Geologic and topographic maps and publications about Wisconsin geology
WI02. Groundwater and Land Use in the Water Cycle (poster's)

Manipulables

AK01. Minerals Instruction Kit
AGI01. Earth-Science Education Resource
IN04. Indiana Rock Set
NV01. Earth Science Education Outreach Program
UT02. Places with Hazards: A teacher's handbook on natural hazards in Utah-The earthquake hazard in Utah
UT03. Places with Hazards: A teacher's handbook on natural hazards in Utah - Slope failures in Utah
UT04. Places with hazards: A teacher's handbook, on natural hazards in Utah - Problem soil and rock in Utah
UT05. Places with hazards: A teacher's handbook on natural hazards in Utah - The radon hazard in Utah
WA01. Information sheets, pamphlets, publications

Mineral Kits

AL01. Geoscience Educational Resource Center
AK01. Minerals Instruction Kit
AGI01. Earth-Science Education Resource
FL01. List of Publications
FL02. Florida Rock and Mineral Kit
KS06. Twenty Kansas rocks and minerals
ME01. The Maine Geological Survey MD05. A Collection of Rocks and Minerals of Maryland
MN06. Sample box containing 3 minerals and 3 fossils
MT01. Publications
NE01. NESEN (Nebraska Earth Science Education Network)
NV01. Earth Science Education Outreach Program
NM01. Geologic Extension Service
NC02. Rock Kit: North Carolina
ND11. North Dakota Rock and Mineral Samples
OH03. Rock and Mineral Set
TN02. Tennessee Rock/Mineral Set
TX01. Rock Kit
UT13. Rock, mineral, and fossil kits
VT01. Vermont Geological Survey
VA01. Rock Samples
WI01. Geologic and topographic maps and publications about Wisconsin geology

Other

AGI01. Earth-Science Education Resource
AGI13. GeoRef
SD04. Project SAVE
NY04. New York State Geological Highway Map

SERVICE AND OUTREACH

Direct assistance to teachers in classroom

AL01. Geoscience Educational Resource Center
AK01. Minerals Instruction Kit
CO01. Outreach
DE02. Building tours and talks
FL01. List of Publications
FL02. Florida Rock and Mineral Kit
ID01. Books and maps on the geology of Idaho; information service; summer workshops for teachers
IL03. Guide to Rocks and Minerals of Illinois.
IL04. Guide to Pennsylvania Fossil Plants of Illinois.
IL07. Miscellaneous Education Note Sets and Publications
IL12. Professional Geologic Maps. Landforms Map of Illinois (scale 1:1,000,000; 1 in. = 16 miles).
IL15. Geological Science Field Trips
IN03. Classroom Lectures
KY01. Kentucky Geological Survey Public Information
LA01. Groundwater Workshop
ME01. The Maine Geological Survey
MD06. Lectures, field trips, etc.
MT01. Publications
NE01. NESEN (Nebraska Earth Science Education Network)
NV01. Earth Science Education Outreach Program
OH01. List of Educational Resources of the Ohio Division of Geological Survey and sources of additional information
OH03. Rock and Mineral Set
OH04. Ohio Geological Survey Educational Leaflet Series
SC01. South Carolina Minerals and Rocks
SD05. SDGS Publications
TN01. Geology of Tennessee Slide and Sample Presentation
TN02. Tennessee Rock/Mineral Set
TX01. Rock Kit
TX02. Texas Fossils: An Amateur Collector's Handbook
TX03. The Geologic Story of Longhorn Cavern
TX04. Texas Rocks and Minerals: An Amateur's Guide
TX05. The Big Bend of the Rio Grande, A Guide to the Rocks, Landscape, Geologic History, and Settlers of the Area of Big Bend National Park
TX06. The Geologic Story of Palo Duro Canyon
TX07. Guide to Points of Geologic Interest in Austin
TX08. Padre Island National Seashore--A Guide to the Geology, Natural Environments, and History of a Texas Barrier Island
TX09. Geology of Monahans Sandhills State Park, Texas
TX10. Geomorphology and Quaternary Stratigraphy of the Rolling Plains, Texas Panhandle
TX11. Guide to the Permian Reef Geology Trail, McKittrick Canyon, Guadalupe Mountains National Part, West Texas
TX12. Potential Geothermal Resources of Texas
TX13. The Gulf Shoreline of Texas: Processes, Characteristics, and Factors in Use
TX14. Shorline and Vegetation-Line Movement, Texas Gulf Coast, 1974 to 1982
TX15. A Compendium of Earthquake Activity in Texas
TX16. Texas Gemstones
TX17. Hurricanes as Geological Agents: Case Studies of Hurricanes Carla, 1961, and Cindy, 1963
TX18. Approaches to Environmental Geology
TX19. Gold and Silver in Texas
TX20. Annotated Bibliography of Mineral Deposits in Trans-Pecos Texas
TX21. Texas Lignite--Status and Outlook to 2000
TX22. Sulfur in Texas
TX23. Bituminous Coal in Texas
TX24. Natural Hazards of the Texas Coastal Zone
TX25. Environmental Geologic Atlas of the Texas Coastal Zone
TX26. Geology of Texas Map
TX27. Geologic Map of Texas
TX28. Land Resources of Texas
TX29. Mineral Resources of Texas
TX30. Tectonic Map of Texas
UT12. Field trip along the Wasatch Front
WA01. Information sheets, pamphlets, publications
WV01. RockCamp Earth Science Activity Series
WV02. Videos
WV03. Reprints
WV04. ED-A Publications, Maps and Services of the West Virginia Geological and Economic Survey
WV05. ED-B I.C. White Memorial Symposium - "The Age of the Dunkard" - Symposium Abstracts and Reference Papers, 1972

WV06. ED-C Proceedings of the First I.C. White Memorial Symposium: "The Age of the Dunkard", December 1975
WV07. ED-D Proceedings of the Fourth Conference on Karst Geology and Hydrology, 1974
WV08. ED-E Current Geological Research in West Virginia
WV09. ED-F Appalachian Structures - Origin, Evolution, and Possible Potential for New Exploration Frontiers: A Seminar, 1972
WV10. ED-G Ask Us!
WV11. ED-H West Virginia Water Use Data System: Informational brochure, 1980
WV12. ED-1 Natural Resources of West Virginia, 2nd ed. 1957
WV13. ED-2 A Guide to the Common Fossil Plants of West Virginia, 1970
WV14. ED-3 Plant Fossils of West Virginia, 1966
WV15. ED-3A Plant Fossils of West Virginia, revised edition 1978
WV16. ED-4 History and Bibliography of West Virginia Paleobotany, 1961
WV17. ED-5 Oil and Gas in West Virginia, 1964
WV18. ED-6 Synopsis of Drilling in West Virginia, 1964
WV19. ED-7 Common Minerals and Rocks of West Virginia, 5th ed. 1966
WV20. ED-8 Minerals of West Virginia, 1964
WV21. ED-9 Coal and Coal Mining in West Virginia, revised ed. 1964
WV22. ED-10 Geologic History of West Virginia, 1975
WV23. ED-11 A Practical Handbook for Individual Water-Supply Systems in West Virginia, 1976
WV24. ED-12 Coal Blooms: Description of Sulfate Mineral Efflorescences Associated with Coal, 1976
WY01. Wyoming Geo-maps

Speakers bureau

AL01. Geoscience Educational Resource Center
LA01. Groundwater Workshop
MD06. Lectures, field trips, etc.
MI01. Gerald E. Eddy Geology Center
MN01. Guide to mineral collecting in Minnesota (2nd revised ed)
MN13. General Geology topics. Lectures and field trips for public groups (i.e., Geological Society of Minnesota)
NV01. Earth Science Education Outreach Program
OH01. List of Educational Resources of the Ohio Division of Geological Survey and sources of additional information
OK01. Geology and Earth Resources of Oklahoma
OK02. Guidebook for Geologic Field Trips in Oklahoma
OK03. Geologic Field Trips in Northwest Oklahoma
OK04. Guidebook for Geologic Field Trips in North-Central Oklahoma
OK05. Guidebooks
OK06. Geologic Map of Oklahoma
OK07. Earthquake Map of Oklahoma
OK08. Oklahoma Geology Notes
OK10. Map of Oklahoma Oil and Gas Fields
OR01. Almost all of our magazines, books, maps, and brochures are educational. Most have been written for adults with some technical background.
SC01. South Carolina Minerals and Rocks
SD05. SDGS Publications
WY01. Wyoming Geo-maps

Teacher workshop

AL01. Geoscience Educational Resource Center
ID01. Books and maps on the geology of Idaho; information service; summer workshops for teachers
IL03. Guide to Rocks and Minerals of Illinois.
LA01. Groundwater Workshop
ME01. The Maine Geological Survey
NE01. NESEN (Nebraska Earth Science Education Network)
NV01. Earth Science Education Outreach Program
OH01. List of Educational Resources of the Ohio Division of Geological Survey and sources of additional information
OH02. Annual Industrial Minerals Teacher Workshop
SC01. South Carolina Minerals and Rocks
SD03. Environment Education Connections of South Dakota (EECSD)
SD04. Project SAVE
WV01. RockCamp Earth Science Activity Series
WV02. Videos
WV03. Reprints
WV04. ED-A Publications, Maps and Services of the West Virginia Geological and Economic Survey
WV05. ED-B I.C. White Memorial Symposium - "The Age of the Dunkard" - Symposium Abstracts and Reference Papers, 1972
WV06. ED-C Proceedings of the First I.C. White Memorial Symposium: "The Age of the Dunkard", December 1975
WV07. ED-D Proceedings of the Fourth Conference on Karst Geology and Hydrology, 1974
WV08. ED-E Current Geological Research in West Virginia

WV09. ED-F Appalachian Structures - Origin, Evolution, and Possible Potential for New Exploration Frontiers: A Seminar: 1972
WV10. ED-G Ask Us!
WV11. ED-H West Virginia Water Use Data System: Informational brochure, 1980
WV12. ED-1 Natural Resources of West Virginia, 2nd ed. 1957
WV13. ED-2 A Guide to the Common Fossil Plants of West Virginia, 1970
WV14. ED-3 Plant Fossils of West Virginia, 1966
WV15. ED-3A Plant Fossils of West Virginia, revised edition 1978
WV16. ED-4 History and Bibliography of West Virginia Paleobotany, 1961
WV17. ED-5 Oil and Gas in West Virginia, 1964
WV18. ED-6 Synopsis of Drilling in West Virginia, 1964
WV19. ED-7 Common Minerals and Rocks of West Virginia, 5th ed. 1966
WV20. ED-8 Minerals of West Virginia, 1964
WV21. ED-9 Coal and Coal Mining in West Virginia, revised ed. 1964
WV22. ED-10 Geologic History of West Virginia, 1975
WV23. ED-11 A Practical Handbook for Individual Water-Supply Systems in West Virginia, 1976
WV24. ED-12 Coal Blooms: Description of Sulfate Mineral Efflorescences Associated with Coal, 1976
WY01. Wyoming Geo-maps

Services to teachers and students at Survey office

AL01. Geoscience Educational Resource Center
CO01. Outreach
DE02. Building tours and talks
FL01. List of Publications
FL02. Florida Rock and Mineral Kit
ID01. Books and maps on the geology of Idaho; information service; summer workshops for teachers
IL01. Resources for Teaching Geology
IL03. Guide to Rocks and Minerals of Illinois.
IL04. Guide to Pennsylvania Fossil Plant of Illinois.
IL07. Miscellaneous Education Note Sets and Publications
IL15. Geological Science Field Trips
IN01. Rock, Mineral, Fossil Specimen Identification
IN02. Geology Building Tour
ME01. The Maine Geological Survey
MD06. Lectures, field trips, etc.
MI02. Maps and Publications List
MT01. Publications
NE01. NESEN (Nebraska Earth Science Education Network)
NV01. Earth Science Education Outreach Program
NM01. Geologic Extension Service
OR01. Almost all of our magazines, books, maps, and brochures are educational. Most have been written for adults with some technical background.
SC01. South Carolina Minerals and Rocks
SD05. SDGS Publications
TN02. Tennessee Rock/Mineral Set
UT15. Publications for teachers
VT01. Vermont Geological Survey
WA01. Information sheets, pamphlets, publications
WV01. RockCamp Earth Science Activity Series
WV02. Videos
WV03. Reprints
WV04. ED-A Publications, Maps and Services of the West Virginia Geological and Economic Survey
WV05. ED-B I.C. White Memorial Symposium - "The Age of the Dunkard" - Symposium Abstracts and Reference Papers, 1972
WV06. ED-C Proceedings of the First I.C. White Memorial Symposium: "The Age of the Dunkard", December 1975
WV07. ED-D Proceedings of the Fourth Conference on Karst Geology and Hydrology, 1974
WV08. ED-E Current Geological Research in West Virginia
WV09. ED-F Appalachian Structures - Origin, Evolution, and Possible Potential for New Exploration Frontiers: A Seminar: 1972
WV10. ED-G Ask Us!
WV11. ED-H West Virginia Water Use Data System: Informational brochure, 1980
WV12. ED-1 Natural Resources of West Virginia, 2nd ed. 1957,
WV13. ED-2 A Guide to the Common Fossil Plants of West Virginia, 1970
WV14. ED-3 Plant Fossils of West Virginia, 1966
WV15. ED-3A Plant Fossils of West Virginia, revised edition 1978
WV16. ED-4 History and Bibliography of West Virginia Paleobotany, 1961
WV17. ED-5 Oil and Gas in West Virginia, 1964
WV18. ED-6 Synopsis of Drilling in West Virginia, 1964
WV19. ED-7 Common Minerals and Rocks of West Virginia, 5th ed. 1966
WV20. ED-8 Minerals of West Virginia, 1964

WV21. ED-9 Coal and Coal Mining in West Virginia, revised ed. 1964
WV22. ED-10 Geologic History of West Virginia, 1975
WV23. ED-11 A Practical Handbook for Individual Water-Supply Systems in West Virginia, 1976
WV24. ED-12 Coal Blooms: Description of Sulfate Mineral Efflorescences Associated with Coal, 1976
WI01. Geologic and topographic maps and publications about Wisconsin geology
WI02. Groundwater and Land Use in the Water Cycle (poster's)
WY01. Wyoming Geo-maps

Scholarship, Fellowship, Internship

AK01. Minerals Instruction Kit
AGI12. AGIA Homepage
ME01. The Maine Geological Survey
NY06. Honorarium. Student Internship of the New York State Geological Survey, New York State Museum.
OR01. Almost all of our magazines, books, maps, and brochures are educational. Most have been written for adults with some technical background.

Internet bulletin board

FL01. List of Publications
MI02. Maps and Publications List
NE01. NESEN (Nebraska Earth Science Education Network)

Cooperative programs for development of educational materials and teaching methods

AL01. Geoscience Educational Resource Center
ME01. The Maine Geological Survey
NV01. Earth Science Education Outreach Program
SD04. Project SAVE
SD05. SDGS Publications
WV01. RockCamp Earth Science Activity Series
WV02. Videos
WV03. Reprints
WV04. ED-A Publications, Maps and Services of the West Virginia Geological and Economic Survey
WV05. ED-B I.C. White Memorial Symposium - "The Age of the Dunkard" - Symposium Abstracts and Reference Papers, 1972
WV06. ED-C Proceedings of the First I.C. White Memorial Symposium: "The Age of the Dunkard", December 1975
WV07. ED-D Proceedings of the Fourth Conference on Karst Geology and Hydrology, 1974
WV08. ED-E Current Geological Research in West Virginia
WV09. ED-F Appalachian Structures - Origin, Evolution, and Possible Potential for New Exploration Frontiers: A Seminar, 1972
WV10. ED-G Ask Us!
WV11. ED-H West Virginia Water Use Data System: Informational brochure, 1980
WV12. ED-1 Natural Resources of West Virginia, 2nd ed. 1957
WV13. ED-2 A Guide to the Common Fossil Plants of West Virginia, 1970
WV14. ED-3 Plant Fossils of West Virginia, 1966
WV15. ED-3A Plant Fossils of West Virginia, revised edition 1978
WV16. ED-4 History and Bibliography of West Virginia Paleobotany, 1961
WV17. ED-5 Oil and Gas in West Virginia, 1964
WV18. ED-6 Synopsis of Drilling in West Virginia, 1964
WV19. ED-7 Common Minerals and Rocks of West Virginia, 5th ed. 1966
WV20. ED-8 Minerals of West Virginia, 1964
WV21. ED-9 Coal and Coal Mining in West Virginia, revised ed. 1964
WV22. ED-10 Geologic History of West Virginia, 1975
WV23. ED-11 A Practical Handbook for Individual Water-Supply Systems in West Virginia, 1976
WV24. ED-12 Coal Blooms: Description of Sulfate Mineral Efflorescences Associated with Coal, 1976
WI01. Geologic and topographic maps and publications about Wisconsin geology
WI02. Groundwater and Land Use in the Water Cycle (poster's)

Other

AGI12. AGI Homepage
MI01. Gerald E. Eddy Geology Center
TX31. Tectonic Map of Texas
TX32. Geologic Atlas of Texas Map Series

APPENDIX I

Association of American State Geologists

The Association of American State Geologists (AASG) is an organization of the chief executives of the state geological surveys in 50 states and Puerto Rico. The responsibilities of the various state surveys differ from state to state, depending upon the enabling legislation and the traditions under which the survey evolved. Almost all function as a basic information source for their state governments' executive, legislative, and judicial branches. Some have regulatory responsibilities for water, oil and gas, land reclamation, etc.

The first state survey was established in 1823 in North Carolina. By 1840, there were at least 15 state surveys, most of which were charged with the discovery of mineral, energy, land, and water resources in their state or territory. The State Geologists began formal meetings with the U.S. Geological Survey 1879, the year that organization was established. Since 1908, the Association has met regularly to discuss issues of common interest and to initiate united actions when warranted.

APPENDIX II
QUESTIONNAIRE FORM

No._____
(Editor will establish)

AASG Earth Science Education Source Book

State Geological Survey Name:_____
Contact Person:_____
Ordering Address:_____
City_____ State_____ Zip_____
Telephone:_____ Fax:_____

E-Mail:_____

Name or Title of Educational Item or Service:_____

Brief description (50 word maximum):_____

A. Grade Level and User (Students [S], Teacher [T])

☐ Elementary ☐ K-3 ☐ S ☐ T
☐ 4-6 ☐ S ☐ T
☐ Middle 7-9 ☐ S ☐ T
☐ High School 10-12 ☐ S ☐ T
☐ Post Secondary ☐ S ☐ T
☐ General Public (self education)

B. Content Category:

1 ☐ Bedrock geology/stratigraphy
2 ☐ Surficial geology/glacial geology
3 ☐ Economic geology/petroleum
4 ☐ Minerals and rocks
5 ☐ Fossils
6 ☐ Hydrogeology
7 ☐ Environmental geology
8 ☐ Engineering geology/geologic hazards
9 ☐ Geophysics/remote sensing
10 ☐ Geologic principles/processes
11 ☐ Other

C. Text-based Information:

1 ☐ Background descriptive materials developed for teachers
2 ☐ Lay article useful to teachers/Educational leaflet
3 ☐ Scientific article
4 ☐ Textbook/handbook/laboratory manual/teacher manual
5 ☐ List of references and resources for teachers
6 ☐ Fieldtrip guide
7 ☐ Other

D. Other teaching Media:

1 ☐ Audio-visual: type_____
2 ☐ Computer ☐IBM ☐Macintosh
3 ☐ Maps, charts, posters
4 ☐ Manipulables: type_____
5 ☐ Mineral kits
6 ☐ Other

E. Service and Outreach

1 ☐ Direct assistance to teachers in classroom (e.g., lectures, leading fieldtrips, etc.)
2 ☐ Speakers bureau
3 ☐ Teacher workshop
4 ☐ Services to teachers and students at Survey office (e.g., identification service or library)
5 ☐ Scholarship, fellowship, internship
6 ☐ Internet bulletin board
7 ☐ Cooperative programs for development of educational materials and teaching methods
8 ☐ Other

Cost and Access Information:

☐ Cost = $_____ ☐ Free to educators: Maximum quantity per school _____
☐ Discounts to teachers:_____

Ordering information (include credit cards accepted)_____