

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

New Publications of the U.S. Geological Survey

Lists 1116–1118—Publications issued July–September 2001

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These permanent catalogs, as well as some others, are available under the conditions indicated below from USGS Information Services, Box 25286, Federal Center, Denver, CO 80225. The catalogs are also available over the counter at any of the U.S. Geological Survey offices that sell books.

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Prices of available publications, except reports released through the National Technical Information Service (NTIS), are given in current issues of the quarterly catalog "New Publications of the U.S. Geological Survey." Limited quantities of Circulars and publications of general interest are free.

"New Publications of the U.S. Geological Survey" is also available electronically through the USGS at <http://pubs.usgs.gov/publications/>.

The U.S. Geological Survey Publications Data Base includes comprehensive bibliographic information on USGS reports and maps published from 1880 to the present and references for non-USGS publications with USGS authors published from 1983 to date—a total of approximately 110,000 publications. Free public access to the data base is provided as a public service by the U.S. Geological Survey at <http://usgs-georef.cos.com> and through the USGS home page at <http://www.usgs.gov>.

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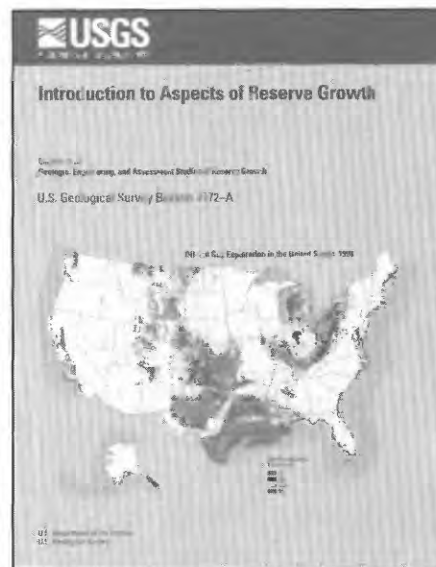
* No new publications in this series for this quarter.

NEW PUBLICATIONS OF SPECIAL INTEREST

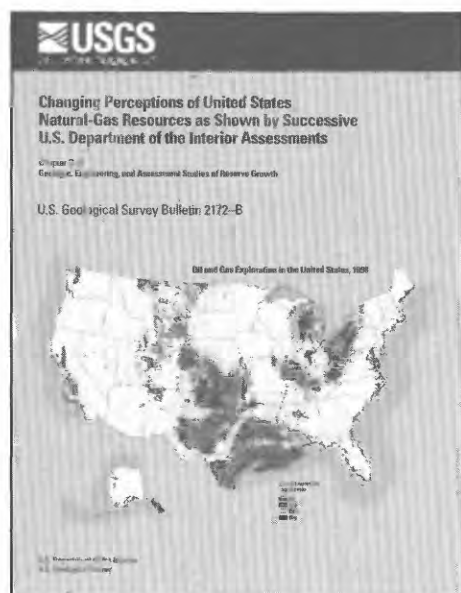
B 2172-A

Introduction to aspects of reserve growth, by J. W. Schmoker, T. S. Dyman and Mahendra Verma. 2001. 2 p. (Geologic, engineering, and assessment studies of reserve growth, edited by T. S. Dyman, J. W. Schmoker and Mahendra Verma). Available on the web at <http://greenwood.cr.usgs.gov/pub/bulletins/b2172-a/>

At all stages in an oil and (or) gas field's development history, the estimate of remaining reserves (and thus of field size, which equals cumulative production plus remaining reserves) is more likely to be too low than too high. Factors contributing to reserve growth include delineation of additional oil and gas in place, higher recovery percentages of oil and gas in place, and revisions of reserve calculations during development and operation of a field. Reports in this series have the intent of improving our ability to understand and forecast future reserve growth.



B 2172-B



Changing perceptions of United States natural-gas resources as shown by successive U. S. Department of the Interior assessments, by J. W. Schmoker and T. S. Dyman. 2001. 8 p. (Geologic, engineering, and assessment studies of reserve growth; edited by T. S. Dyman, J. W. Schmoker and Mahendra Verma.) Available on the web at <http://greenwood.cr.usgs.gov/pub/bulletins/b2172-b/>

The 1994 DOI estimate of the U.S. total gas endowment increased significantly over the previous three estimates (1975, 1980, 1987), indicating that the technically recoverable endowment of gas is not an absolute volume, but rather is a quantity that can increase through time in response to advances in technology and in geologic understanding. Much of this increase was in the category of reserve growth—additions to estimated ultimate recovery of fields during field development and production.

FS 0044-01

Educational materials from the U. S. Geological Survey. 2001. 8 p.

As the Nation's largest water, earth, and biological science and civilian mapping agency, the USGS provides some of this science information as educational material. The product line includes a variety of teaching packets, booklets, posters, fact sheets, and CD-ROMs. Described in this Fact Sheet are products designed for K-12 teachers.

FS 0033-01

U. S. Geological Survey World Wide Web information. 2001. 2 p.

The USGS World Wide Web sites offer an array of information that reflects scientific research and monitoring programs conducted in the areas of natural hazards, environmental resources, and cartography. The list in this Fact Sheet provides gateways to access a cross section of the digital information on the USGS World Wide Web sites.



FORMAL REPORTS

PROFESSIONAL PAPERS

Professional Papers are mainly comprehensive scientific reports of wide and lasting interest and importance to professional scientists and engineers. Included are reports on the results of resource studies, and of topographic, hydrologic, and geologic investigations. They also include collections of related papers addressing different aspects of a single scientific topic.

P 1420. **Geologic framework of the San Juan structural basin of New Mexico, Colorado, Arizona, and Utah, with emphasis on Triassic through Tertiary rocks**, by S. D. Craig. 2001. 70 p., 1 plate in pocket. (Regional Aquifer-System Analysis; San Juan Basin, New Mexico.) \$25.

The San Juan Basin Regional Aquifer-System Analysis began in 1984. This report describes rocks of Triassic through Tertiary age in the basin and also describes the regional geologic and stratigraphic framework of the basin's multilayered aquifer system. Maps showing altitude of top, depth to top, and thickness of major geologic units were prepared using geographic information system technology. Results presented form the basis for ground-water flow modeling and geochemical studies of the basin.

P 1629. **MASSACHUSETTS. Estimation of hydraulic parameters from an unconfined aquifer test conducted in a glacial outwash deposit, Cape Cod, Massachusetts**, by A. F. Moench, S. P. Garabedian and D. R. LeBlanc. 2001. 69 p. \$9.50.

An aquifer test conducted in a sand and gravel, glacial outwash deposit on Cape Cod, Massachusetts, was analyzed by means of a model for flow to a partially penetrating well in a homogeneous, anisotropic unconfined aquifer. The model is designed to account for all significant mechanisms expected to influence drawdown in observation piezometers and in the pumped well. In addition to the usual fluid-flow and storage processes, additional processes include effects of storage in the pumped well, storage in observation piezometers, effects of skin at the pumped-well screen, and effects of drainage from the zone above the water table.

P 1642. **COLORADO. Geochronology and geology of late Oligocene through Miocene volcanism and mineralization in the western San Juan Mountains, Colorado**, by D. J. Bove, U.S. Geological Survey, Ken Hon, University of Hawaii, K. E. Budding; J. F. Slack, L. W. Snee, and R. A. Yeoman, U.S. Geological Survey. 2001. 30 p. \$4.75.

This paper presents 25 new $^{40}\text{Ar}/^{39}\text{Ar}$ dates from the main calc-alkaline ash-flow sheets and related younger plutons of the western San Juan volcanic field, the ash-flow sheets of the Lake City caldera cycle, and veins and other altered rocks in the Lake City region. The goal of the study was to produce similar quality $^{40}\text{Ar}/^{39}\text{Ar}$ ages to those currently published for the eastern and central San Juan Mountains. These new data provide a much more precise chronological framework for interpreting durations of events and their relationship to mineralization than do previously published conventional K-Ar dates for the western San Juan Mountains.

BULLETINS

Bulletins contain significant data and interpretations that are of lasting scientific interest but are generally more limited in scope or geographic coverage than Professional Papers. They include the results of resource studies and of geologic and topographic investigations, as well as collections of short papers related to a specific topic.

B 2064-T. **IDAHO. Historical perspective of the mineral production of Idaho, with comments on the Hailey 1° × 2° quadrangle, Idaho**, by W. J. Bawiec and L. L. Dee. Prepared in cooperation with the Idaho Geological Survey; Idaho State University; University of Idaho. 2001. 21 p. Available on the web at <http://greenwood.cr.usgs.gov/pub/bulletins/b2064-t/>

The purpose of this investigation is to examine the diversity and distribution of known mineral production in Idaho and to use this knowledge to gain insight into potential new mineral resources and to enhance our understanding of the remaining mineral resources. Although much of the information presented herein is generally known or intuitive to economic geologists familiar with Idaho, this report offers a comprehensive look at mineral production in the state and perhaps a new perspective toward utilizing this type of information.

B 2064-W. **IDAHO. The geology and mineral deposits of part of the western half of the Hailey 1° × 2° quadrangle, Idaho; with sections on the Neal mining district and the Dixie mining district**, by E. H. Bennett, T. H. Kilsgaard and T. M. Jacob. Prepared in cooperation with the Idaho Geological Survey; Idaho State University; University of Idaho. 2001. 39 p. Available on the web at <http://greenwood.cr.usgs.gov/pub/bulletins/b2064-w/>

This paper describes the geology and mineral deposits in Elmore County, south-central Idaho between the western edge of the Hailey 1° × 2° quadrangle (long 116° W) and Smoky Dome (long 115° W) and roughly between the Snake River Plain to the south and the middle fork of the Boise River to the north. The Boise River (north, middle, and south forks) is the major drainage.

B 2064-AA. **IDAHO. Geology, geochemistry, and mineral resources of the lower part of the middle fork Boise River drainage basin, Boise and Elmore counties, Idaho**, by T. H. Kilsgaard and C. L. Smith. Prepared in cooperation with the Idaho Geological Survey; Idaho State University; University of Idaho. 2001. 21 p. Available on the web at <http://greenwood.cr.usgs.gov/pub/bulletins/b2064-aa/>

Geologic mapping of the western part of the Hailey 1° × 2° quadrangle and geochemical sampling of sediments from various streams that drain into the middle fork of the Boise River indicate that three areas in the drainage basin contain anomalous amounts of one or more elements, but no mines. The three areas are in the vicinity of Mt. Heinen, south of Grand Mountain, and south and west of Sheep Mountain. A fourth area, in the vicinity of Swanholm Creek, contains anomalous amounts of antimony and one mine, the Hermada, which has produced significant amounts of antimony. Placer gold has been mined at a number of sites along the middle fork Boise River.

B 2064-LL. **IDAHO. Soil gas studies along the Trans-Challis fault system near Idaho City, Boise County, Idaho**, by J. H. McCarthy and T. H. Kilsgaard. Prepared in cooperation with the Idaho Geological Survey; Idaho State University; University of Idaho. 2001.



12 p. Available on the web at
<http://greenwood.cr.usgs.gov/pub/bulletins/b2064-ll/>

Soil gases were analyzed at about 70 sites along the Trans-Challis fault system in central Idaho. Anomalous carbon dioxide, hydrogen, oxygen, hydrocarbon, and sulfur gas concentrations coincide with faults and known mineralized areas. Anomalies in areas not known to be mineralized may reflect undiscovered mineral deposits or concealed faults. Soil gases may be a useful exploration guide for mineral deposits in this terrane.

- B 2172-A. Introduction to aspects of reserve growth, by J. W. Schmoker, T. S. Dyman and Mahendra Verma. 2001. 2 p. (Geologic, engineering, and assessment studies of reserve growth, edited by T. S. Dyman, J. W. Schmoker and Mahendra Verma.) Available on the web at
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At all stages in an oil and (or) gas field's development history, the estimate of remaining reserves (and thus of field size, which equals cumulative production plus remaining reserves) is more likely to be too low than too high. Factors contributing to reserve growth include delineation of additional oil and gas in place, higher recovery percentages of oil and gas in place, and revisions of reserve calculations during development and operation of a field. Reports in this series have the intent of improving our ability to understand and forecast future reserve growth.

- B 2172-B. Changing perceptions of United States natural-gas resources as shown by successive U. S. Department of the Interior assessments, by J. W. Schmoker and T. S. Dyman. 2001. 8 p. (Geologic, engineering, and assessment studies of reserve growth; edited by T. S. Dyman, J. W. Schmoker and Mahendra Verma.) Available on the web at
<http://greenwood.cr.usgs.gov/pub/bulletins/b2172-b/>

The 1994 DOI estimate of the U.S. total gas endowment increased significantly over the previous three estimates (1975, 1980, 1987), indicating that the technically recoverable endowment of gas is not an absolute volume, but rather is a quantity that can increase through time in response to advances in technology and in geologic understanding. Much of this increase was in the category of reserve growth—additions to estimated ultimate recovery of fields during field development and production.

- B 2184-C. NEW MEXICO. Potential for a basin-centered gas accumulation in the Albuquerque Basin, New Mexico, by R. C. Johnson, T. M. Finn and V. F. Nuccio. 2001. 21 p. (Geologic studies of basin-centered gas systems, edited by V.F. Nuccio and T.S. Dyman.) Available on the web at
<http://greenwood.cr.usgs.gov/pub/bulletins/b2184-c/>

It appears likely that the deep central portion of the Albuquerque Basin contains a basin-centered gas accumulation that is developing at the present time. This area contains a largely intact Cretaceous section similar to the Cretaceous interval that contains a basin-centered accumulation in the nearby San Juan Basin. High mud weights are typically used while drilling the Cretaceous interval in this area, suggesting some degree of overpressuring. Gas shows have been reported while drilling through the Cretaceous interval throughout this area. Attempts to complete gas wells in the Cretaceous have resulted in subeconomic quantities of gas, primarily because of low permeabilities. Little water has been reported. All of these characteristics are typical of basin-centered gas accumulations in other Rocky Mountain basins.

- B 2201-B. Petroleum geology and resources of the North Caspian Basin, Kazakhstan and Russia, by G. F. Ulmishek. 2001. 25 p. Available on the web at
<http://greenwood.cr.usgs.gov/pub/bulletins/b2201-b/>

The petroleum-rich but lightly explored North Caspian Basin occupies the shallow northern portion of the Caspian Sea and a large plain to the north between the Volga River and the southern continuation of the Ural foldbelt. The basin contains three supergiant oil and gas fields, and an oil discovery in 2000 promises to become a new supergiant. This report outlines the principal geologic features of the basin, defines its total petroleum systems and assessment units, and analyzes its undiscovered petroleum potential.

- B 2201-D. Petroleum geology and resources of the North Ustyurt Basin, Kazakhstan and Uzbekistan, by G. F. Ulmishek. 2001. 14 p. Available on the web at
<http://greenwood.cr.usgs.gov/pub/bulletins/b2201-d/>

The North Ustyurt Basin is located between the Caspian Sea and the Aral Lake and extends offshore on both west and east. It contains moderate oil and gas reserves in Mesozoic-Tertiary strata, whereas the deeply buried Paleozoic sequence is almost unexplored and poorly known. The report outlines the principal geologic features of the basin, defines its total petroleum systems and assessment units, and analyzes its future petroleum potential.

- B 2202-F. The Sirte Basin province of Libya; Sirte-Zelten total petroleum system, by T. S. Ahlbrandt. 2001. 29 p. Available on the web at
<http://greenwood.cr.usgs.gov/pub/bulletins/b2202-f/>

The Sirte Basin province (2043), Libya, is bordered on the north by the Gulf of Sirte (Sidra) in the Mediterranean Sea. It ranks 13th among the world's petroleum provinces exclusive of U.S. provinces, and 15th if U.S. provinces are included. The Upper Cretaceous Sirte Shale is the primary hydrocarbon source rock. This report outlines the principal geologic features of the basin and defines its total petroleum systems, assessment units, and estimates of undiscovered petroleum resources.

CIRCULARS

Circulars present technical or nontechnical information of wide popular interest in a format designed for distribution at no cost to the public. They are published to disseminate administrative information or important scientific information of an ephemeral nature.

- C 1150. INDIANA. Water quality in the White River basin, Indiana, 1992-96, by J. M. Fenelon. 1998. 34 p. Available on the web at
<http://water.usgs.gov/pubs/circ/circ1150/>

- C 1155. Water quality in the Connecticut, Housatonic, and Thames River basins, Connecticut, Massachusetts, New Hampshire, New York, and Vermont, 1992-95, by S. P. Garabedian, J. F. Coles, S. J. Grady, E. C. T. Trench and M. J. Zimmerman. 1998. 32 p. Available on the web at
<http://water.usgs.gov/pubs/circ1155/>

- C 1164. GEORGIA, ALABAMA, FLORIDA. Water quality in the Apalachicola-Chattahoochee-Flint River basin, Georgia, Alabama, and Florida, 1992-95, by E. A. Frick, D. J. Hippe, G. R. Buell, C. A. Couch, E. H. Hopkins, D. J. Wangsness and J. W.



Garrett. 1998. 38 p. Available on the web at <http://water.usgs.gov/pubs/circ/circ1164/>

- C 1185-A. Precipitation in the Northern Plains, September 1996 through April 1997, by K. M. Macek-Rowland, M. J. Burr and G. B. Mitton. 2001. 19 p.

Above-normal snowfall throughout the winter of 1996-97, combined with excessive precipitation during the fall of 1996 and additional moisture from a spring blizzard on April 5-6, 1997, caused the worst flooding in more than 100 years in several areas in central and eastern North Dakota, western Minnesota, and central eastern South Dakota. Many of the monthly precipitation totals for September 1996 through April 1997 were more than 200 percent of monthly normals at selected weather stations.

- C 1185-B. Peak discharges and flow volumes for streams in the Northern Plains, 1996-97, by K. M. Macek-Rowland, M. J. Burr and G. B. Mitton. 2001. 52 p.

Winter snowfall of 1996-97, combined with the spring floods of 1997, caused one of the worst natural disasters in recent history on the Northern Plains. The flow volumes for water year 1997 at selected streamflow-gaging stations on the Red River of the North, the Minnesota River, and the James River were 186 to 788 percent of the mean annual volumes for the periods of record for those stations. Recurrence intervals ranged from 10 to 500 years.

- C 1218. Sobrevivendo a un tsunami; lecciones de Chile, Hawai y Japón [Surviving a tsunami; lessons from Chile, Hawaii and Japan], compiled by B. F. Atwater, U.S. Geological Survey; Marco Cisternas V., Universidad de Concepción; Joanne Bourgeois, University of Washington; W. C. Dudley, Pacific Tsunami Museum; J. W. Hendley II and P. H. Stauffer, U.S. Geological Survey. 2001. 18 p. (Spanish translation of Circular 1187.)

Actions that save lives and actions that cost lives, as recounted by eyewitnesses to the tsunami from the largest earthquake ever measured; the magnitude 9.5 earthquake in Chile on May 22, 1960.

GENERAL INTEREST PUBLICATIONS

Silent reminders; geologic wonders of the George Washington and Jefferson national forests. Prepared in cooperation with the U.S. Department of Agriculture Forest Service, Southern Region. 2001. Available on the web at <http://pubs.usgs.gov/gip/silent/>

MISCELLANEOUS AND SPECIAL BOOKS

Geographic Names Information System (GNIS)

GNIS, developed by the Geographic Names Office, Mapping Applications Center, is the basis for the Digital Gazetteer of the United States (CD-ROM) and includes all names in the data base as of July 1999, as well as the necessary software for searching, analyzing, and exporting the data. The software must be installed onto an IBM-compatible hard disk before the data can be used. The CD-ROM, which can be purchased for \$57 plus \$5.00 shipping, contains the National Geographic Names Data Base (NGNDB), Antarctica Geographic Names Data Base (AGNDB), Topographic Map Names Data Base (TMNDB), and Reference Data Base (RDB). Each record in the NGNDB, AGNDB, and TMNDB can contain a variety of location and description fields. All can be displayed, and most can be searched. Not all fields, however, contain data. The RDB contains one field—bibliography. The CD-ROM is no longer accompanied by a users manual. The installation procedure,

readme file, and trouble shooting guide are provided in WordPerfect, HTML, and PDF formats. All necessary information regarding startup procedures are listed in the "Getting Started" directory on the CD.

The GNIS CD-ROM may be ordered from Information Services, U.S. Geological Survey, DFC, Building 810, MS 306, Denver, CO 80225, or by telephoning 1-888-ASK-USGS. Prepayment is required. Please make check or money order payable to U.S. Department of the Interior—USGS. VISA, MasterCard, American Express, and Discover Card are accepted. Prices are subject to change.

Information and Technical Specifications may be requested from U.S. Geological Survey, Manager GNIS, 523 National Center, Reston, VA 20192. 703-648-4544.

FACT SHEETS

Fact Sheets are used to disseminate timely information on scientific and technical programs of the U.S. Geological Survey and are available, at no cost, from USGS Information Services, Box 25286, Denver, CO 80225.

- FS 0001-94. KANSAS. Atrazine concentrations in the Delaware River, Kansas, by J. K. Stamer, K. D. Gunderson and B. J. Ryan. 1995. Available on the web at <http://ks.water.usgs.gov/Kansas/pubs/fact-sheets/fs.001-94.stamer.html>

- FS 0158-97. National Water-Quality Assessment Program; Northern Rockies intermontane basins, by L. M. Tornes. 1997. 4 p.

- FS 0019-99. LOUISIANA. Louisiana. 1999. 4 p.

- FS 0014-00. Monitoring the water quality of the nation's large rivers; Colorado River NASQAN Program, by R. J. Hart and R. P. Hooper. 2000. 4 p. Available on the web at <http://water.usgs.gov/pubs/FS/fs-014-00/>

- FS 0015-00. LOUISIANA. Louisiana coastal ecosystem, by U. S. Geological Survey, National Wetlands Research Center. 2000. 1 p. Available on the web at <http://www.nwrc.gov/factshts/cstlsyst.pdf>

- FS 0016-00. Restoring life to the dead zone; addressing Gulf hypoxia, a national problem, by U. S. Geological Survey, National Wetlands Research Center. 2000. 2 p. Available on the web at <http://www.nwrc.gov/factshts/hypoxia.pdf>

- FS 0017-00. Seagrasses in northern Gulf of Mexico; an ecosystem in trouble, by U. S. Geological Survey, National Wetlands Research Center. 2000. 2 p. Available on the web at <http://www.nwrc.gov/factshts/seagrass.pdf>

- FS 0018-00. Fire ecology in the Southeastern United States, by U. S. Geological Survey, National Wetlands Research Center. 2000. 4 p. Available on the web at <http://www.nwrc.gov/factshts/firecolo.pdf>

- FS 0019-00. Coastal prairie, by U. S. Geological Survey, National Wetlands Research Center. 2000. 2 p. Available on the web at <http://www.nwrc.gov/factshts/cstprair.pdf>

- FS 0020-00. LOUISIANA. Nutria, eating Louisiana's coast, by U. S. Geological Survey, National Wetlands Research Center. 2000. 2 p. Available on the web at <http://www.nwrc.gov/factshts/nutria.pdf>

- FS 0021-00. Research in rice fields, by U. S. Geological Survey, National Wetlands Research Center. 2000. 2 p. Available on the web at <http://www.nwrc.gov/factshts/riceflds.pdf>



- FS 0033-00. WYOMING. Pesticides in ground water; Lincoln County, Wyoming, 1998-99, by C. A. Eddy-Miller and J. R. Norris. Prepared in cooperation with the Wyoming Department of Agriculture (WDA), the Wyoming Department of Environmental Quality (WDEQ), the Star Valley and Lincoln County Conservation Districts, and Lincoln County Weed and Pest District. 2000. 4 p. Available on the web at <http://water.usgs.gov/pubs/FS/fs03300/>
- FS 0034-00. WYOMING. Pesticides in ground water; Laramie County, Wyoming, 1998-99, by C. A. Eddy-Miller and J. R. Norris. Prepared in cooperation with the Wyoming Department of Agriculture (WDA), the Wyoming Department of Environmental Quality (WDEQ), and the Laramie County Conservation District. 2000. 4 p. Available on the web at <http://water.usgs.gov/pubs/FS/fs03400/>
- FS 0035-00. WYOMING. Pesticides in ground water; Fremont County, Wyoming, 1998-99, by C. A. Eddy-Miller and J. R. Norris. Prepared in cooperation with the Wyoming Department of Agriculture (WDA), the Wyoming Department of Environmental Quality (WDEQ), and the Fremont County Weed and Pest District. 2000. 4 p. Available on the web at <http://water.usgs.gov/pubs/FS/fs03500/>
- FS 0068-00. Water flows in the Necedah National Wildlife Refuge, by R. J. Hunt, D. J. Graczyk and W. J. Rose. 2000. 4 p. Available on the web at <http://wi.water.usgs.gov/pubs/FS-068-00/>
- FS 0107-00. National Bridge Scour Program; measuring scour of the streambed at highway bridges, by D. S. Mueller. 2000. 4 p.
- FS 0120-00. NEBRASKA. Ground-water quality in the Upper Republican Natural Resources District, southwestern Nebraska, 1998-99, by J. D. Frankforter, A. D. Druliner and S. A. Jones. Prepared in cooperation with the Upper Republican Natural Resources District. 2000. 6 p.
- FS 0143-00. FLORIDA. Does diazinon pose a threat to a neighborhood stream in Tallahassee, Florida?, by M. P. Berndt and H. H. Hatzell. 2001. 4 p. Available on the web at http://fl.water.usgs.gov/Abstracts/fs143_00_berndt.html
- FS 0149-00. FLORIDA. Water-quality assessment within a drainage control district in southeastern Florida, by A. C. Lietz. 2001. 4 p. Available on the web at http://fl.water.usgs.gov/Abstracts/fs149_00_lietz.html
- FS 0154-00. Chinese tallow; invading the southeastern coastal plain, by U. S. Geological Survey, National Wetlands Research. 2000. 2 p. Available on the web at <http://www.nwrc.gov/factshts/tallow.pdf>
- FS 0160-00. MASSACHUSETTS. Effects of water withdrawals on streamflow in the Ipswich River basin, Massachusetts. 2001. 2 p. Available on the web at <http://water.usgs.gov/pubs/FS/fs-160-00/>
- FS 0162-00. CALIFORNIA. Floods in Cuyama Valley, California, February 1998. 2001. 6 p.
- FS 0025-01. Nutrients in streams and rivers in the lower Tennessee River basin, by M. D. Woodside and A. B. Hoos. 2001. 6 p.
- FS 0026-01. MISSOURI. Assessment of microbiological contamination of the Jacks Fork within the Ozark National Scenic Riverways, Missouri; phase I, by J. V. Davis and J. M. Richards. 2001. 6 p.
- FS 0027-01. A primer on water quality, by G. E. Cordy. 2001. 2 p. Available on the web at <http://water.usgs.gov/pubs/FS/fs-027-01/>
- FS 0029-01. Water-level changes in the High Plains Aquifer, 1980 to 1999, by V. L. McGuire. 2001. 2 p.
- FS 0033-01. U. S. Geological Survey World Wide Web information. 2001. 2 p.
- FS 0034-01. U. S. Geological Survey information sources. 2001. 2 p. Available on the web at <http://mac.usgs.gov/isb/pubs/factsheets/fs03401.html>
- FS 0035-01. Finding your way with map and compass. 2001. 2 p.
- FS 0037-01. Assessment of undiscovered oil and gas resources in Central and South America. 2001. 2 p.
- FS 0043-01. MINNESOTA. Malformed frogs in Minnesota; an update, by D. O. Rosenberry. 2001. 4 p.
- FS 0044-01. Educational materials from the U. S. Geological Survey. 2001. 8 p.
- FS 0045-01. The Advanced National Seismic System; management and implementation, by Harley Benz, Kaye Shedlock and Ray Buland. 2001. 2 p. Available on the web at <http://greenwood.cr.usgs.gov/pub/fact-sheets/fs-0045-01/>
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- Minimum system requirements: Windows 3.1.3.11 for Workgroup 95, 98, and NT 3.51 or later (1) i386, i486, Pentium, or Pentium Pro processor-based on compatible personal computer, (2) 8 MB of available RAM (16 MB recommended) for Windows 3.1.3.11, 95 or 98; 16 MB of RAM (24 MB recommended) for Windows NT, and (3) 10 MB of available hard-disk space for Windows 95, 98, or NT; 5 MB of available hard-disk space (12 MB recommended) for Windows 3.1 or 3.11. Macintosh and Power Macintosh; (1) Macintosh with a 68020 or greater processor, or Power Macintosh, (2) 3.5 MB of available RAM (5 MB for Power Macintosh), (3) Apple System Software version 7.0 or later, and (4) 12.5 MB or available hard-disk space.
- OF 00-0245. COLORADO. Interim report on the scientific investigations in the Animas River watershed, Colorado to facilitate remediation decisions by the U. S. Bureau of Land Management and the U. S. Forest Service, March 29, 2000 meeting, Denver, Colorado. 34 p. (NC, M, Da; Vicki J. Cowart, Colorado Geol.



Surv., 1313 Sherman St., Room 715, Denver, CO 80203-2277; Chief, Geotechnical Services Branch, Office of the State Engineer, 1313 Sherman St., Room 818, Denver, CO 80203-2277.) Available on the web at <http://greenwood.cr.usgs.gov/pub/open-file-reports/ofr-00-0245/>

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- OF 00-0352. SeaMARC 1A sidescan sonar mosaic, cores and depositional interpretation of the Mississippi Fan; ArcView GIS data release, by Valerie Paskevich, D. C. Twichell and W. C. Schwab. Available on the web at <http://crosstrees.er.usgs.gov/cdroms/ofr00-352/indexms.htm>
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OF 00-0400. ILLINOIS. Geology, hydrology, and water quality in the vicinity of a brownfield redevelopment site in East Moline, Illinois, by R. T. Kay. Prepared in cooperation with the U.S. Environmental Protection Agency. 19 p. Available on the web at <http://il.water.usgs.gov/pubs/OFR00-400.pdf>

OF 00-0401. Towards policy relevant environmental modeling; contextual validity and pragmatic models, by S. B. Miles. 20 p. (NC, Da, M.) Microfiche \$5; paper copy \$5. Available on the web at <http://geopubs.wr.usgs.gov/open-file/of00-401/>

OF 00-0402. NEVADA. Rock geochemistry in the Tuscarora Mountains, northern Carlin Trend, Nevada, by T. G. Theodore, B. B. Kotlyar, D. A. Singer, V. I. Berger, B. C. Moring and J. K. Cluer. 125 p. (NC, Da, M; Nevada Bur. of Mines and Geol., Univ. of Nevada, Reno, NV 89557.) Microfiche \$5; paper copy \$150.

OF 00-0403. ARIZONA. Preliminary report on geophysics of Verde River headwaters region, Arizona, by V. E. Langenheim, J. S. Duval, Laurie Wirt and Ed Dewitt. 28 p. (NC, Da, M; Arizona Geol. Surv., 416 West Congress St. #100, Tucson, AZ 85701-1315.) Microfiche \$5; paper copy \$33.50. Available on the web at <http://geopubs.wr.usgs.gov/open-file/of00-403/>

OF 00-0410. MASSACHUSETTS. Sea floor maps showing topography, sun-illuminated topography, and backscatter intensity of the Stellwagen Bank National Marine Sanctuary region off Boston, Massachusetts, by P. C. Valentine, T. J. Middleton and S. J. Fuller. One CD-ROM. (NC, Da, M.) \$32.

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OF 00-0412. CALIFORNIA. Geologic map of the Kingston Range, southern Death Valley, California, by J. P. Calzia, B. W. Troxel, L. A. Wright, B. C. Burchfiel, G. A. Davis and M. R. McMackin. 2 over-size sheets. (NC, Na, M; California Dep. of Conservation, Div. of Mines and Geol., Mail Stop 14-34, Library, 801 K St., Sacramento, CA 95814-3532; 185 Berry St., Suite 210, San Francisco, CA 94107-1728; and State Office Bldg., 107 South Broadway, Los Angeles, CA 90012.) Microfiche \$5.75; paper copy \$16.

OF 00-0415. A Microsoft Windows version of the MARK3 Monte Carlo Mineral Resource Simulator, by J. S. Duval. One CD-ROM. (NC, Da, M.) \$32. Available on the web at <http://pubs.usgs.gov/openfile/of00-415/>

The MARK3 program is a 32-bit program intended to run under Windows 98 or higher.

OF 00-0417. LOUISIANA. Geomorphic classification of coastal land loss between 1932 and 1990 in the Mississippi River delta plain, southeastern Louisiana, by Shea Penland, Lynda Wayne, L. D. Britsch, S. J. Williams, A. D. Beall and V. C. Butterworth. 1 over-size sheet. (NC, Da, M.) \$12. Available on the web at <http://pubs.usgs.gov/openfile/of00-417/>

OF 00-0418. LOUISIANA. Process classification of coastal land loss between 1932 and 1990 in the Mississippi River delta plain, southeastern Louisiana, by Shea Penland, Lynda Wayne, L. D. Britsch, S. J. Williams, A. D. Beall and V. C. Butterworth. 1 over-



size sheet. (NC, Da, M.) \$12. Available on the web at <http://pubs.usgs.gov/openfile/of00-418/>

OF 00-0422. A synopsis of technical issues of concern for monitoring trace elements in highway and urban runoff. Prepared in cooperation with the Federal Highway Administration. 67 p. (NC, Da, M, Wb.) Microfiche \$5; paper copy \$18.

OF 00-0425. IDAHO. A history of phosphate mining in southeastern Idaho, by W. H. Lee. One CD-ROM. (NC, Da, M, S; Idaho Geol. Surv., Morill Hall, Room 332, Univ. of Idaho Campus, Moscow, ID 83843.) \$32. Available on the web at <http://geopubs.wr.usgs.gov/open-file/of00-425/>

OF 00-0427. MASSACHUSETTS. Photographs of the sea floor in western Massachusetts Bay, offshore of Boston, Massachusetts, July 1999, by B. T. Gutierrez, Bradford Butman and D. S. Blackwood. One CD-ROM. (NC, Da, M.) \$32. Available on the web at <http://crosstrees.er.usgs.gov/cdroms/ofr00-427/start.htm>

This CD-ROM (Compact Disc-Ready Only Memory) has been produced in accordance with the ISO 9660 Standard. It was designed for use on computers equipped with the Windows or Windows NT operating system, a CD-ROM reader and a mouse. The text portion of this CD can be read with any html-compatible browser. The figures that accompany this CD-ROM are in the .jpg or .pdf format. To explore the GIS data a system with at least a 10x CD-ROM reader and a 200Mhz processor is required.

OF 00-0429. Hierarchical systems analysis in karst terrains; Part A, Approaches and applications to environmental characterization; Part B, Analysis of environmental impacts of aggregate mining, by K. E. Kolm and W. H. Langer. One CD-ROM. (NC, M, Da.) \$32.

Minimum system requirements for PowerPoint Viewer: (1) Personal computer with 486 or higher processor, (2) Windows 95, 98, or 2000, or Windows NT Workstation 3.5 (with Service Pack 5.x or later) or 4.0, (3) 7 MB of available hard-disk space (9 MB for installation only), (4) VGA or higher resolution video adapter, and (5) Mouse or compatible pointing device.

OF 00-0443. Autobiography of Philip B. King, by P. B. King. 407 p. (NC, Da, M.) Available on the web at <http://geopubs.wr.usgs.gov/open-file/of00-443/>

OF 00-0448. WASHINGTON. Non-navigational gridded bathymetry data; Washington-Oregon coast; 1926-1998; data release and description of methods, by A. E. Gibbs, M. C. Buijsman and C. R. Sherwood. 36 p. (NC, Da, M, S; Washington DNR/Geol. & Earth Resources Library, 111 Washington St., S.E., Olympia, WA 98501; Oregon Dep. of Geol. & Mineral Industries, Suite 965, 800 NE Oregon St. # 28, Portland, OR 97232.) (Also available on CD-ROM.) Microfiche \$5; paper copy \$9. Available on the web at <http://geopubs.wr.usgs.gov/open-file/of00-448>

OF 00-0460. Reprocessing of multi-channel seismic-reflection data collected in the Beaufort Sea, by W. F. Agena, M. W. Lee and P. E. Hart. Two CD-ROMs. (NC, M, Da, A, S; Div. of Geol. & Geophys. Surv., 794 University Ave., Suite 200, Fairbanks, AK 99709-3645; U.S. Dep. of Interior, Alaska Resources Library, 3150 C St. #100, Anchorage, AK 99503-3916.) \$42.

System requirements: CD-ROM drive with ISO 9660 software driver, software capable of reading SEG-Y format data files. ASCII text files, and PDF-format graphics files. Technical information can also be accessed by software capable of reading MS-

WORD7000- and Internet-format files. Display software for viewing the SEG-Y format files is provided for IBM P/C compatible systems only.

OF 00-0462. SOUTH CAROLINA. Archive of datasonics SIS-1000 CHIRP subbottom data collected during USGS cruise MGNM 00014, central South Carolina, 13-30 March 2000, by S. V. Dadisman, J. C. Hill and W. C. Schwab. Four discs. CD-R disc-on-demand. (NC, Da, M, Wb.) (Sold separately.) For one disc \$45; for each additional \$10.

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OF 00-0463. SOUTH CAROLINA. Archive of boomer subbottom data collected during USGS cruise MGNM 00014, central South Carolina, 13-30 March 2000, by S. V. Dadisman, J. C. Hill and W. C. Schwab. Four discs. CD-R disc-on-demand. (NC, Da, M.) (Sold separately.) For one disc \$45; for each additional \$10.

These discs have been produced in accordance with the ISO 9660 Standard and are therefore capable of being read on any computing platform that has appropriate CD-ROM driver software installed.

OF 00-0467. NEW YORK. Archive of boomer subbottom data collected during USGS cruise DIAN 96040, Fire Island, New York, 4-15 September 1996, by J. C. Hill, W. C. Schwab and D. S. Foster. Nine discs. CD-R disc-on-demand. (NC, Da, M.) (Sold separately.) For one disc \$45; for each additional \$10.

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OF 00-0468. Chemical-help application for classification and identification of stormwater constituents, by G. E. Granato, T. R. Driskell and Catherine Nunes. Prepared in cooperation with the Federal Highway Administration. 10 p. One 3.5 inch IBM compatible computer diskette. (NC, Da, M, Wb.) \$13.50.

OF 00-0469. WASHINGTON. Preliminary methods for anticipating the occurrence of precipitation-induced landslides in Seattle, Washington, by A. F. Chleborad. 29 p. (NC, M, Da, S; Geol. & Earth Resources Div., Dep. of Natural Resources, P.O. Box 47007, Olympia, WA 98504-7007; David A. Johnson Cascade Volcano Observatory, 5400 MacArthur Blvd., Vancouver, WA 98661.) Microfiche \$5; paper copy .75. Available on the web at <http://greenwood.cr.usgs.gov/pub/open-file-reports/ofr-00-0469/>

OF 00-0477. NEW MEXICO. Description of piezometers installed in the middle Rio Grande basin area, 1997-99, central New Mexico, by J. R. Bartolino and D. R. Rankin. Prepared in cooperation with the New Mexico Office of the State Engineer. 29 p. (NC, Da, M, Wb.) Microfiche \$5; paper copy \$25.

OF 00-0483. FLORIDA. Interaction between ground water and surface water in Taylor Slough and vicinity, Everglades National Park, South Florida; study methods and appendixes, by J. W. Harvey, J. M. Jackson, R. H. Mooney and Jungyill Choi. Prepared in cooperation with Everglades National Park. 67 p. (NC, Da, M, Wb.) Microfiche \$5; paper copy \$18.



OF 00-0488. NEW MEXICO. U. S. Geological Survey Middle Rio Grande basin study; proceedings of the Fourth annual workshop, Albuquerque, New Mexico, February 15-16, 2000, edited by J. C. Cole. 51 p. (NC, M, Da; New Mexico Bur. of Mines & Mineral Resources, Campus Station, Socorro, NM 87801.) Microfiche \$5; paper copy \$13.50. Available on the web at <http://greenwood.cr.usgs.gov/pub/open-file-reports/ofr-00-0488/>

NEW MEXICO. Contributions of gravity and aeromagnetic studies to improving the understanding of subsurface hydrogeology, middle Rio Grande basin, New Mexico, by V. J. S. Grauch, D. A. Sawyer, G. R. Keller and C. L. Gillespie. p. 3-4.

Estimation of hydrologic parameters for the ground-water model of the middle Rio Grande Basin using carbon-14 and water-level data, by W. E. Sanford, L. N. Plummer, D. P. McAda, L. M. Bexfield and S. K. Anderholm. p. 4-6.

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Is the top of the upper Santa Fe Group diachronous in the Albuquerque Basin?, by S. D. Connell, D. W. Love, Florian Maldonado, P. B. Jackson, W. C. McIntosh and M. C. Epps. p. 18-20.

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OF 00-0497. A synopsis of technical issues for monitoring sediment in highway and urban runoff, by G. C. Bent, J. R. Gray, K. P. Smith and G. D. Glysson. Prepared in cooperation with the Federal Highway Administration. 51 p. (NC, Da, M, Wb.) Microfiche \$5; paper copy \$14.

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OF 00-0600-A. Preliminary determination of epicenters; monthly listing, January-March 2000, by U. S., National Earthquake Information Center. 106 p. (NC, M, Da.) Microfiche \$5; paper copy \$26.50.



OF 00-0600-B. Preliminary determination of epicenters; monthly listing, April-June 2000, by U. S., National Earthquake Information Center. 104 p. (NC, Da, M.) Microfiche \$5; paper copy \$26.

OF 01-0005. The radiated seismic energy and apparent stress of interplate and intraplate earthquakes at subduction zone environments; implications for seismic hazard estimation, by G. L. Choy, J. L. Boatwright and Steve Kirby. 17 p. (NC, M, Da.) \$5. Available on the web at <http://greenwood.cr.usgs.gov/pub/open-file-reports/ofr-01-0005/>

OF 01-0019. FLORIDA. Potentiometric surfaces of the intermediate aquifer system, west-central Florida, May 2000, by A. D. Duerr. Prepared in cooperation with Southwest Florida Water Management District. 1 over-size sheet, scale 1:500,000 (1 inch = about 8 miles). (NC, Da, M, Wb.) \$5.75.

OF 01-0020. FLORIDA. Potentiometric surface of the upper Floridan Aquifer, west-central Florida, May 2000, by A. D. Duerr. Prepared in cooperation with the Southwest Florida Management District. 1 over-size sheet, scale 1:500,000 (1 inch = about 8 miles). (NC, Da, M, Wb.) \$5.75.

OF 01-0021. Precambrian basement of the north Mid-Continent U.S.A.; a digital representation of the 1990 P.K. Sims map, compiled by C. L. Dicken, S. G. Pimley and W. F. Cannon. One CD-ROM. (NC, Da, M.) \$32.

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OF 01-0022. USGS/NOAA North American packrat midden database; data dictionary, by L. E. Strickland, R. S. Thompson and K. H. Anderson. 28 p. (NC, Da, M.) \$7. Available on the web at <http://greenwood.cr.usgs.gov/pub/open-file-reports/ofr-01-0022/>

OF 01-0023. NEW MEXICO. Fossil mammals of the middle Rio Grande; annotated dataset and bibliography of New Mexico vertebrate paleontology, by K. C. McKinney, R. H. Tedford, G. S. Morgan and T. E. Williamson. One CD-ROM. (NC, M, Da; New Mexico Bur. of Mines & Mineral Resources, Campus Station, Socorro, NM 87801.) \$32.

Minimum system requirements: Windows 95, 98, and NT 4.0 with Service Pack 3 or later; 486, Pentium, or Pentium Pro processor-based or compatible personal computer; 10 MB of available RAM for Windows 95 or 98 (16 MB recommended); 16 MB of RAM (24 MB recommended) for Windows NT; and 10 MB of available hard-disk space for Windows 95, 98, or NT. Macintosh and Power Macintosh: Apple Power Macintosh or compatible computer, 4.5 MB of available RAM (6.5 MB recommended), and 8 MB of available hard-disk space.

OF 01-0024. Phosphatic shale analytical quality control materials of the USGS Western U.S. Phosphate Project; bulk geochemical characterization and water leachate analysis, by J. R. Herring and S. A. Wilson. Prepared in cooperation with U.S. Bureau of Land Management; U.S. Forest Service; Agrium U.S.; Astaris LLC; J.R. Simplot Company; Rhodia; Monsanto. 30 p. (NC, M, Da, S; Idaho Geol. Surv., Univ. of Idaho Campus, Morrill Hall, Room 332, Moscow, ID 83843.) \$15.

OF 01-0025. IDAHO. Chemical composition of plants growing on the Wooley Valley phosphate mine waste pile and on similar rocks in nearby Dairy Syncline, Caribou County, Southeast Idaho, by J.

R. Herring and M. C. Amacher. Prepared in cooperation with U.S. Bureau of Land Management; U.S. Forest Service; Agrium U.S.; FMC Corporation; J.R. Simplot Company; Rhodia; Solutia. 47 p. (NC, M, Da, S; Idaho Geol. Surv., Univ. of Idaho Campus, Morrill Hall, Room 332, Moscow, ID 83843.) \$17.

OF 01-0026. IDAHO. Chemical composition of deployed and indigenous aquatic bryophytes in a seep flowing from a phosphate mine waste pile in the associated Angus Creek drainage, Caribou County, Southeast Idaho, by J. R. Herring, C. J. Castle, Z. A. Brown and P. H. Briggs. Prepared in cooperation with the U.S. Bureau of Land Management; U.S. Forest Service; Agrium U.S.; FMC Corporation; J.R. Simplot Company; Rhodia; Monsanto. 20 p. (NC, M, Da, S; Idaho Geol. Surv. Univ. of Idaho Campus, Morrill Hall, Room 332, Moscow, ID 83843.) \$10.

OF 01-0035. CALIFORNIA. Hydraulic and mechanical properties affecting ground-water flow and aquifer-system compaction, San Joaquin Valley, California, by Michelle Sneed. Prepared in cooperation with the U.S. Bureau of Reclamation. 26 p. (NC, Da, M, Wb; Placer Hall, Suite 2012, 6000 J St., Sacramento, CA 95819-6129.) \$8.

OF 01-0040. TENNESSEE. Ground-water hydrology and water-quality data for wells, springs, and surface-water sites in the Bradley-Brumalow creeks area near Arnold Air Force Base, Tennessee, September to December 1999, by R. A. Aycock and C. J. Haugh. Prepared in cooperation with the U.S. Air Force, Arnold Air Force Base. 49 p. (NC, Da, M, Wb; USGS, WRD, 640 Grassmere Park, Suite 100, Nashville, TN 37211; 1820 Midpark Rd., Suite A, Knoxville, TN 37917; and AgriCenter International, 7777 Walnut Grove Rd., Suite LLB2, Memphis, TN 38120.) \$12.50.

OF 01-0041. A laboratory manual for X-ray powder diffraction, by L. J. Poppe, V. F. Paskevich, J. C. Hathaway and D. S. Blackwood. One CD-ROM. (NC, Da, M.) \$32. Available on the web at <http://pubs.usgs.gov/openfile/of01-041/>

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OF 01-0044. ALASKA. Geophysical signatures used to constrain geologic mapping; the search for VMS deposits in Southeast Alaska, by Jeff Wynn, Jon Doucette, Sue Karl, Anne McCafferty, B. D. Smith and Peter Bittenbender. One CD-ROM. (NC, Da, M, A, S.) \$32. Available on the web at <http://pubs.usgs.gov/openfile/of01-044/>

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OF 01-0047. NEW YORK. Archive boomer subbottom data collected during USGS cruise FERL 98009, New York Bight, Raritan Bay, Long Island, 26 May-2 June, 1998, by J. C. Hill, E. R. Thielert, D. R. Nichols and G. F. Williams. Two discs. CD-R disc-on-demand. (NC, Da, M.) (Sold separately.) For one disc \$45; for each additional \$10.



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- OF 01-0048. WASHINGTON. Archive of boomer subbottom data collected during USGS cruise MCAR 97013, Washington Shelf, 7-14 July 1997, by D. S. Foster, P. A. McCrory and T. F. O'Brien. Three discs. CD-R disc-on-demand. (NC, Da, M.) (Sold separately.) For one disc \$45; for each additional \$10.

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- OF 01-0050. Introduction to field methods for hydrologic and environmental studies, by R. R. Holmes, Jr., P. J. Terrio, M. A. Harris and P. C. Mills. 241 p. (NC, Da, M, Wb.) \$61.

- OF 01-0063. MARYLAND. Digital water-quality data base for the west branch Canal Creek area, Aberdeen Proving Ground, Maryland, version 1.1, by V. C. Smith and M. G. Lesniewski. One CD-ROM. (NC, Da, M, Wb; USGS, WRD, 8987 Yellow Brick Rd., Baltimore, MD 21237.) \$32.

This CD-ROM has been produced in accordance with the ISO 9660 Standard and is therefore capable of being read on any computing platform that has appropriate CD-ROM driver software installed.

- OF 01-0064. HAWAII. Statistical summary of hydrologic and water-quality data from the Halawa, Haiku, and Kaneohe drainage basins, before, during, and after H-3 Highway construction, Oahu, Hawaii, 1983-99, by M. F. Wong and S. T. Young. Prepared in cooperation with the State of Hawaii Department of Transportation; Federal Highway Administration. 69 p. (NC, Da, M, Wb; USGS, WRD, 677 Ala Moana Blvd., Suite 415, Honolulu, HI 96813.) \$18.50. Available on the web at <http://hi.water.usgs.gov/pubs/ofr01-64/ofr01-64.pdf>

- OF 01-0066. Benthic habitat and faunal surveys of Closed Area II, central Georges Bank, 1998 and 1999, by P. C. Valentine, J. T. Malczyk and T. J. Middleton. One CD-ROM. (NC, Da, M.) \$32.

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- OF 01-0067. VIRGINIA. A comparative analysis of hazard models for predicting debris flows in Madison County, VA, by M. M. Morrissey, G. F. Wiczorek and B. A. Morgan. One CD-ROM. (NC, Da, M; Virginia Div. of Mineral Resources, Natural Resources Bldg., Alderman and McCormick Rds., P.O. Box 3667, Charlottesville, VA 22903.) \$32.

Adobe Acrobat Reader is needed to view included .pdf files. Microsoft Word is needed to read the included document files. This CD-ROM was produced in accordance with the ISO 9660 Standard.

- OF 01-0073. Summary of trends and status analysis for flow, nutrients, and sediments at selected nontidal sites, Chesapeake Bay basin, 1985-99, by M. J. Langland, R. E. Edwards, L. A. Sprague and Steve Yochum. 49 p. (NC, Da, M, Wb.) \$30. Available on the web at <http://pa.water.usgs.gov/reports/ofr01-73.pdf>

- OF 01-0088. MICHIGAN. Geologic map of the Ontonagon and part of the Wakefield 30' x 60' quadrangles, Michigan; a digital representation of Map I-2499 (1995), by W. F. Cannon, S. W. Nicholson, L. G. Woodruff, C. A. Hedgman, K. J. Schultz and S. G. Pimley. One CD-ROM. (NC, Da, M.) \$32.

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- OF 01-0095. NEW YORK. Archive of sidescan-sonar data and DGPS navigation data, collected during USGS cruise SEAX 96004, New York Bight, 1 May-9 June, 1996, by J. C. Hill, W. C. Schwab and W. W. Danforth. 12 discs. CD-R disc-on-demand. (NC, Da, M.) (Sold separately.) For one disc \$45; for each additional \$10.

These discs have been produced in accordance with the ISO 9660 Standard and are therefore capable of being read on any computing platform that has appropriate CD-ROM driver software installed.

- OF 01-0096. NEW YORK. Archive of datasonics SIS-1000 CHIRP subbottom data, collected during USGS cruise SEAX 96004, New York Bight, 1 May-9 June, 1996, by J. C. Hill, W. C. Schwab and D. S. Foster. Three discs. DVD-R disc-on-demand. (NC, Da, M.) (Sold separately.) For one disc \$60; for each additional \$30.

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- OF 01-0097. NEW YORK. Archive of datasonics SIS-1000 CHIRP subbottom data, collected during USGS cruise SEAX 95007, New York Bight, 7-25 May, 1995, by J. C. Hill, W. C. Schwab and D. S. Foster. Two discs. DVD-R disc-on-demand. (NC, Da, M.) (Sold separately.) For one disc \$60; for each additional \$30.

These discs have been produced in accordance with the UDF Standard and are therefore capable of being read on any computing platform that has a DVD drive.

- OF 01-0102. FLORIDA. Vegetative resistance to flow in South Florida; summary of vegetation sampling in Taylor Slough, Everglades National Park, September 1997-July 1998, by N. B. Rybicki, J. T. Reel, H. A. Ruhl, P. A. Gammon and Virginia Carter. 117 p. (NC, Da, M, Wb.) \$31.

- OF 01-0104. Coal quality and resources of the Former Soviet Union; an ArcView project, by M. E. Brownfield, D. W. Steinhauer, M. Y. Povarennykh, Ivan Eriomin, Mikhail Shpirt, Yevgeny Meitov, Irena Sharova, Nina Goriunova and M. V. Zyrianova. One CD-ROM. (NC, M, Da.) \$32.

This CD-ROM has been produced in accordance with the ISO 9660 Standard and is therefore capable of being read on any computing platform that has appropriate CD-ROM driver software installed.

- OF 01-0117. NEVADA. Magnetotelluric data across the Battle Mountain-Eureka and Carlin trends, north of Cortez, Nevada, by J. M. Williams, B. D. Rodriguez and D. P. Klein. 154 p. (NC, M, Da; Nevada Bur. of Mines & Geol., Univ. of Nevada-Reno, Reno, NV 89557-0088.) \$38.50. Available on the web at <http://greenwood.cr.usgs.gov/pub/open-file-reports/ofr-01-0117/>



- OF 01-0118. NEVADA. Magnetotelluric data across the Battle Mountain-Eureka and Carlin trends, south of Cortez, Nevada, by J. M. Williams, B. D. Rodriguez and D. P. Klein. 109 p. (NC, M, Da; Nevada Bur. of Mines & Geol., Univ. of Nevada-Reno, NV 89557-0088.) \$27. Available on the web at <http://greenwood.cr.usgs.gov/pub/open-file-reports/ofr-01-0118/>
- OF 01-0119. Assessment of landslide hazards resulting from the February 13, 2001, El Salvador earthquake; a report to the government of El Salvador and the U. S. Agency for International Development, by R. L. Baum, A. J. Crone, Demetreo Escobar, E. L. Harp, J. J. Major, Mauricio Martinez, Carlos Pullinger and M. E. Smith. 20 p. (NC, Da, M.) \$25. Available on the web at <http://greenwood.cr.usgs.gov/pub/open-file-reports/of-01-0119/>
- OF 01-0128. ALASKA. Aerial gamma-ray surveys in Alaska, by J. S. Duval. Two CD-ROMs. (NC, Da, M.) \$42.
- The data and programs require about 1.5 GB of space on the user's hard disk. The viewer program and data require a Windows operating system. A 500 MHz Pentium III system with 128 MB of RAM is recommended as a minimum system.
- OF 01-0133. Coral reefs in Honduras; status after Hurricane Mitch, by Christopher Reich, Robert Halley and Don Hickey. 4 p. (NC, Da, M.) \$8.
- OF 01-0135. Basin-centered gas systems of the U.S., by M. A. Popov, V. F. Nuccio, T. S. Dyman, T. A. Gognat, R. C. Johnson, J. W. Schmoker, M. S. Wilson and Charles Bartherger. One CD-ROM. (NC, M, Da.) \$32.
- Minimum system requirements: Macintosh computer, with Mac OS 7.1.2 or later, 16 MB RAM, 12 MB available hard-disk space; or Intel x86-based computer, with Microsoft Windows 95 or later, 16 MB application RAM, 12 MB available hard-disk space, display graphic card with resolution 800 × 600 for installation, 1024 × 768 recommended.
- OF 01-0136. Lithochronologic units and mineral deposits of the Appalachian Orogen from Maine to Alabama, by J. D. Peper, J. E. Gair, M. P. Foose, T. H. Kress and C. L. Dicken. One CD-ROM. (NC, Da, M.) \$32.
- This CD-ROM was produced in accordance with the ISO 9660 Standard. Data are intended for use on either UNIX platforms or Windows 95, 98, 2000 or NT.
- OF 01-0137. Results of the U. S. Geological Survey's analytical evaluation program for standard reference samples distributed in October 2000, by B. F. Connor, J. P. Currier and M. T. Woodworth. 116 p. (NC, Da, M, Wb.) \$30. Available on the web at <http://bqs.usgs.gov/srs/SRShome1.htm>
- OF 01-0141. Observations and recommendations regarding landslide hazards related to the January 13, 2001 M-7.6 El Salvador earthquake, by R. W. Jibson and A. J. Crone. 19 p. (NC, Da, M.) \$27.50. Available on the web at <http://greenwood.cr.usgs.gov/pub/open-file-reports/ofr-01-0141/>
- OF 01-0147. TEXAS. Water-level altitudes in wells completed in the Jasper Aquifer, greater Houston area, Texas, spring 2000, by L. S. Coplin. Prepared in cooperation with the Harris-Galveston Coastal Subsidence District. 2 p. (NC, Da, M, Wb.) \$5.
- OF 01-0150. TENNESSEE. Ground-water levels and water-quality data for wells in the Spring Creek area near Arnold Air Force Base, Tennessee, April and May 2000, by S. D. Williams and R. A. Aycock. Prepared in cooperation with the United States Air Force, Arnold Air Force Base. 16 p. (NC, Da, M, Wb; USGS, WRD, 640 Grassmere Park, Suite 100, Nashville, TN 37211; 1820 Midpark Rd., Suite A, Knoxville, TN 37917; and AgriCenter International, 7777 Walnut Grove Rd., Suite LLB2, Memphis, TN 38120.) \$5.
- OF 01-0158. COLORADO, NEW MEXICO. Laboratory measurements of electric properties of composite mine dump samples from Colorado and New Mexico, by A. L. Anderson, D. L. Campbell and Shay Beanland. 55 p. (NC, M, Da; Vicki J. Cowart, Colorado Geol. Surv., 1313 Sherman St., Room 715, Denver, CO 80203-2277; Chief Geotechnical Services Branch, Office of the State Engineer, 1313 Sherman St., Room 818, Denver, CO 80203-2277; New Mexico Bureau of Mines & Mineral Resources, Campus Station, Socorro, NM 87801.) \$13.50. Available on the web at <http://greenwood.cr.usgs.gov/pub/open-file-reports/ofr-01-0158/>
- OF 01-0159. UTAH. Examination of native fish recruitment and description of the fish communities found in the San Juan and Colorado River interface zones of Lake Powell, Utah, by Gordon Mueller, Mike Horn, Quent Bradwisch and Lewis Boobar. 44 p. (NC, M, Da; Utah Geol. Surv., 1594 West North Temple, Suite 3110, P.O. Box 146100, Salt Lake City, UT 84114-6100.) \$45.
- OF 01-0165. FLORIDA. Archive of boomer seismic reflection data collected during USGS cruise 99ASRO1, Lake Okeechobee, Florida, 29 June-30 June, 1999, by G. M. Brewer, S. V. Dadisman, J. L. Kindinger, D. S. Wiese and J. G. Flocks. One disc. CD-R disc-on-demand. (NC, Da, M.) \$45.
- This disc was produced in accordance with the ISO 9660 Standard and is readable on any computing platform that has standard CD-ROM driver software installed. The documentation on this CD-ROM was produced using HyperText Markup Language (HTML) utilized by the World Wide Web (WWW) and allows the user to access the information by using a WWW browser (such as Netscape or Internet Explorer).
- OF 01-0168. NEVADA. Magnetotelluric data across the Battle Mountain-Eureka and Carlin trends, north of Eureka, Nevada, by J. M. Williams and B. D. Rodriguez. 135 p. (NC, M, Da; Nevada Bur. of Mines & Geol., Univ. of Nevada-Reno, Reno, NV 89557-0088.) \$33.50. Available on the web at <http://greenwood.cr.usgs.gov/pub/open-file-reports/ofr-01-0168/>
- OF 01-0169. NORTH DAKOTA, MINNESOTA. 2001 floods in the Red River of the North basin in eastern North Dakota and western Minnesota, by K. M. Macek-Rowland. 8 p. (NC, Da, M, Wb.) \$5. Available on the web at <http://nd.water.usgs.gov/index/ofreport01169.html>
- OF 01-0178. Resources on federal lands for five coal beds in the Northern and Central Appalachian Basin coal regions, by S. J. Tewalt. 8 p. (NC, Da.) \$7.
- OF 01-0179. Continental shelf GIS for the Monterey Bay National Marine Sanctuary, by F. L. Wong and S. L. Eittreim. One CD-ROM. (NC, Da, M; California Dep. of Conservation, Div. of Mines and Geol., Mail Stop 14-34, Library, 801 K St., Sacramento, CA 95814-3532; 185 Berry St., Suite 210, San Francisco, CA 94107-1728; and State Office Bldg., 107 South Broadway, Los Angeles, CA 90012.) \$32. Available on the web at <http://geopubs.wr.usgs.gov/open-file/of01-179/>



This CD-ROM was produced in accordance with the ISO 9660 Level 2 standard and Apple Computer's Hierarchical File System (HFS) standard. The HTML interface and text on this CD-ROM require either a UNIX workstation, Macintosh or compatible, or IBM or compatible personal computer. In addition, the data require a computer with either a UNIX or Windows compatible operating system.

OF 01-0182. LOUISIANA, TEXAS. Benthic foraminiferal census data from surface sediment samples, western Gulf of Mexico (Louisiana and Texas continental shelf and slope), by L. E. Osterman, Maria Erlandsen and E. D. Castenson. 19 p. (NC, Da, M.) \$5.

OF 01-0183. TEXAS. Simple techniques for assessing impacts of oil and gas operations on public lands; a field evaluation of a photoionization detector (PID) at a condensate release site, Padre Island National Seashore, Texas, by J. K. Otton and R. A. Zielinski. 26 p. (NC, M, Da; Bureau of Economic Geol., Univ. of Texas at Austin, University Station, Box X, Austin, TX 78713-7508.) \$15. Available on the web at <http://greenwood.cr.usgs.gov/energy/OF01-183/OFR01-183.pdf>

OF 01-0194. Selected data for sediment cores collected in Chesapeake Bay in 1996 and 1998, by P. C. Baucom, J. F. Bratton, S. M. Colman, J. M. Moore, John King, Chip Heil and Robert Seal. One CD-ROM. (NC, Da, M.) \$32. Available on the web at <http://pubs.usgs.gov/openfile/of01-194/>

This CD-ROM has been produced in accordance with the ISO 9660 Standard and is therefore capable of being read on any computing platform that has appropriate CD-ROM driver software installed.

OF 01-0201. ARKANSAS. Hydrogeology and physical characteristics of water samples at the Red River aluminum site, Stamps, Arkansas, April 2001, by J. B. Czarnecki, G. P. Stanton and D. A. Freiwald. Prepared in cooperation with U.S. Environmental Protection Agency. 30 p. (NC, Da, M, Wb.) \$30.

OF 01-0203. GEORGIA. Ecological characterization of streams, and fish-tissue analysis for mercury and lead at selected locations, Fort Gordon, Georgia, June 1999 to May 2000, by M. B. Gregory, T. C. Stamey and J. B. Wellborn. Prepared in cooperation with the U.S. Department of the Army, Environmental and Natural Resources Management, Office of the U. S. Army Signal Center, Fort Gordon. 14 p. (NC, Da, M, Wb.) \$8.50.

OF 01-0241. MICHIGAN. Time-domain electromagnetic sounding near Antioch, Illinois, and Berrien Springs, Michigan, by D. L. Campbell. 57 p. (NC, M, Da; Illinois State Geol. Surv., Natural Resources Bldg., 615 East Peabody Dr., Room 121, Champaign, IL 61820; Geol. Surv. Div., Michigan Dep. of Natural Resources, P.O. Box 30028, Lansing, MI 48909.) \$14. Available on the web at <http://geology.cr.usgs.gov/pub/open-file-reports/ofr-01-0241/>



THEMATIC MAPS AND CHARTS

GEOLOGIC INVESTIGATIONS SERIES

In August 1996, the I-map series name was changed from Miscellaneous Investigations Series Maps to Geologic Investigations Series. All geologic maps approved for publication after August 1996 will be published in the Geologic Investigations Series. The series definition remains the same. Maps on planimetric or topographic bases; regular and irregular areas; various scales; a wide variety of format and subject matter. The series also includes 7 1/2-minute quadrangle photogeologic maps on planimetric bases which show geology as interpreted from aerial photographs. Series also includes maps of Mars and the Moon.

I-2619. NEW MEXICO. Geologic map of the Tularosa Mountains 30' × 60' quadrangle, Catron County, New Mexico, compiled by J. C. Ratte. Prepared in cooperation with the New Mexico Bureau of Mines and Mineral Resources, a division of the New Mexico Institute of Mining and Technology. 2001. Lat 33°30' to 34°, long 108° to 109°. Scale 1:100,000 (1 inch = about 1.6 miles). Sheet 50 by 35 inches (in color). (Accompanied by 13 page text.) \$7.

I-2626. VERMONT. Bedrock geologic map of the Rochester Quadrangle, Rutland, Windsor, and Addison counties, Vermont, by G. J. Walsh, U.S. Geological Survey; and C. K. Falta, Englewood High School. 2001. Lat 43°45' to 43°52'30", long 72°45' to 72°52'30". Scale 1:24,000 (1 inch = 2,000 feet). Sheet 51 by 41 inches (in color). (Accompanied by 14 page text.) \$7.

I-2636. VERMONT. Bedrock geologic map of the Saxtons River 7.5' × 15' quadrangle, Windham and Windsor counties, Vermont, by N. M. Ratcliffe and T. R. Armstrong. Prepared in cooperation with the Vermont Geological Survey. 2001. Two sheets. Sheet 1, lat 43°07'30" to 43°15', long 72°30' to 72°45'; sheet 2, lat 43° to 43°30', long 72°30' to 72°45'. Scale 1:24,000 (1 inch = 2,000 feet). Sheet 1, 52 by 41 inches; sheet 2, 50 by 27 inches (both in color). (Accompanied by 21 page text.) \$14.

I-2650. Geologic, paleotectonic, and paleoerosional maps of the Thaumasia region, Mars, by J. M. Dohm, K. L. Tanaka and T. M. Hare. Prepared for the National Aeronautics and Space Administration. 2001. 3 sheets. Lat -50° to -15°, long 55° to 115°. Scale 1:4,440,910 (1 mm = 4,440.91 km) at -35° latitude. Sheet 1, 50 by 31 inches; sheet 2, 52 by 39 inches; sheet 3, 56 by 40 inches (all in color). (Lambert Conformal Conic projection.) \$14.

I-2673. ALASKA. Geologic map of the Arctic Quadrangle, Alaska, by W. P. Brosigé, H. N. Reiser, J. T. Dutro, Jr., R. L. Dettnerman and I. L. Tailleux. 2001. Two sheets. Lat 68° to 69°, long 144° to 147°. Sheet 1, scale 1:200,000 (1 inch = about 3.2 miles) and 1:750,000 (1 inch = about 12 miles); sheet 2, scale 1:200,000 (1 inch = about 3.2 miles). Sheet 1, 45 by 34 inches (in color); sheet 2, 29 by 29 inches. (Accompanied by 38 page text.) \$14. Available on the web at <http://geopubs.wr.usgs.gov/i-map/i2673/>

I-2674. Map of major lithologic units in the Pacific Northwest; a contribution to the Interior Columbia Basin Ecosystem Management Project, by B. R. Johnson and G. L. Raines. Prepared in cooperation with the U.S. Forest Service and Bureau of Land Management. 2001. Lat 39° to 49°, long 107°30' to 125°. Scale



1:500,000 (1 inch = about 8 miles). Sheet 48 by 36 inches (in color). (Accompanied by 11 page text.) \$7. Available on the web at <http://geopubs.wr.usgs.gov/i-map/i2674/>

I-2682. VERMONT. Map showing slope failures and slope-movement-prone areas in Vermont, by C. A. Baskerville, Central Connecticut State University; and G. C. Ohlmacher, Kansas Geological Survey. Prepared in cooperation with the Vermont Agency of Natural Resources, Vermont Geological Survey. 2001. Lat 42°45' to 45°, long 71°30' to 73°30'. Scale 1:250,000 (1 inch = about 4 miles). Sheet 41 by 52 inches (in color). \$7.

I-2685. HAWAII. Maps showing the development of the Pu'u 'O'o-Kupaianaha flow field, June 1984-February 1987, Kilauea Volcano, Hawaii, by Christina Heliker, G. E. Ulrich, S. C. Margriter and J. P. Hoffmann. 2001. 4 sheets. Lat 19°20' to 19°25', long 155°02'30" to 155°07'30". Scale 1:50,000 (1 inch = 2,000 feet). Sheet 1, 50 by 31 inches; sheets 2, 3, and 4, 54 by 30 inches (all in color). \$14.

I-2693. Geologic map of the MTM 25047 and 20047 quadrangles, central Chryse Planitia/Viking 1 Lander site, Mars, by L. S. Crumpler, R. A. Craddock and J. C. Aubele. Prepared for the National Aeronautics and Space Administration. 2001. Lat 17.5° to 27.5°, long 45° to 50°. Scale 1:1,004,000 (1 mm = 1.004 km) at 50° longitude. Sheet 37 by 37 inches (in color). (Transverse Mercator projection). \$7.

The mapped quadrangles include large channels, plains deposits at the mouth of the large channels, and early ridged plains. The geologic relations are consistent with formation of the channels and plains deposits by catastrophic outflow of water from terrains lying to the west and south, erosion of pre-existing plains in the path of the outflow, and deposition of eroded debris within the Chryse Basin. The Viking 1 Lander is located within the path of outflow and the local surface is in part a result of material deposited during outflow events.

I-2696. MICHIGAN. Geologic map of the Keweenaw Peninsula and adjacent area, Michigan, by W. F. Cannon and S. W. Nicholson. 2001. Lat 46°30' to 47°30', long 87°45' to 89°. Scale 1:100,000 (1 inch = about 1.6 miles). Sheet 41 by 56 inches (in color). (Accompanied by 7 page text.) \$7.

I-2721. Geologic map of the Pandrosos Dorsa Quadrangle (V-5), Venus, by Elizabeth Rosenberg and G. E. McGill. Prepared for the National Aeronautics and Space Administration. 2001. Lat 50° to 75°, long 240° to 180°. Scale 1:4,711,886 (1 mm = 4.712 km) at 25° latitude; 1:5,000,000 at 34° and 73° latitudes. Sheet 56 by 40 inches (in color). (Lambert projection). \$7.

I-2724. HAWAII. Seismic-hazard maps for Hawaii, by F. W. Klein, A. D. Frankel, C. S. Mueller, R. L. Wesson and P. G. Okubo. 2000. Two sheets. Lat 18° to 23°, long 154° to 161°. Scale 1:2,000,000 (1 inch = about 32 miles). Both sheets 33 by 33 inches (in color). \$7. Available on the web at <http://greenwood.cr.usgs.gov/pub/i-maps/i-2724/>

I-2727. Geologic map of the Tempe-Mareotis region of Mars, by H. J. Moore. Prepared for the National Aeronautics and Space Administration. 2001. Lat 32.5° to 42.5°, long 80° to 95°. Scale 1:1,004,000 (1 mm = 1.004 km) at 90° longitude. Sheet 56 by 40 inches (in color). (Transverse Mercator projection). (Accompanied by 23 page text.) \$7.

MISCELLANEOUS FIELD STUDIES MAPS

Multicolor or black and white maps on topographic or planimetric bases; quadrangle or irregular areas; various scales. Pre-1971 maps show bedrock geology in relation to specific mining or mineral-deposit problems; the majority of post-1971 maps are preliminary black and white maps on various subjects such as environmental studies or Wilderness mineral investigations.

MF-2364. ARIZONA. Geologic map of the House Rock Quadrangle, Coconino County, northern Arizona, by G. H. Billingsley, J. L. Wellmeyer and D. L. Block. Prepared in cooperation with the U.S. National Forest Service. 2001. Lat 36°37'30" to 36°45', long 112° to 112°07'30". Scale 1:24,000 (1 inch = 2000 feet). Sheet 29 by 29 inches (in color). (Accompanied by 17 page text.) Available on the web at <http://geopubs.wr.usgs.gov/map-mf/mf2364/>

MF-2366. ARIZONA. Geologic map of the Cane Quadrangle, Coconino County, northern Arizona, by G. H. Billingsley and J. L. Wellmeyer. Prepared in cooperation with the U.S. National Forest Service. 2001. Lat 36°30' to 36°37'30", long 112° to 112°07'30". Scale 1:24,000 (1 inch = 2000 feet). Sheet 32 by 32 inches (in color). (Accompanied by 14 page text.) Available on the web at <http://geopubs.wr.usgs.gov/map-mf/mf2366/>

MF-2367. ARIZONA. Geologic map of the House Rock Spring Quadrangle, Coconino County, northern Arizona, by G. H. Billingsley and H. M. Hampton. Prepared in cooperation with the U.S. National Forest Service. 2001. Lat 36°45' to 36°52'30", long 112° to 112°07'30". Scale 1:24,000 (1 inch = 2000 feet). Sheet 29 by 29 inches (in color). (Accompanied by 17 page text.) Available on the web at <http://geopubs.wr.usgs.gov/map-mf/mf2367/>

MF-2368. ARIZONA. Geologic map of part of the Uinkaret volcanic field, Mohave County, northwestern Arizona, by G. H. Billingsley, W. K. Hamblin, J. L. Wellmeyer and S. L. Dudash. Prepared in cooperation with the National Park Service and Bureau of Land Management. 2001. Lat 36°15'30" to 36°30', long 113° to 113°15'. Scale 1:31,680 (1 inch = 2,640 feet). Sheet 32 by 56 1/2 inches (in color). (Accompanied by 34 page text.) Available on the web at <http://geopubs.wr.usgs.gov/map-mf/mf2368/>

MF-2371. WASHINGTON. Geologic map of the Silver Lake Quadrangle, Cowlitz County, Washington, by R. C. Evarts. Prepared in cooperation with Weyerhaeuser Company. 2001. Lat 46°15' to 46°22'30", long 122°45' to 122°52'30". Scale 1:24,000 (1 inch = 2,000 feet). Sheet 41 by 35 inches (in color). (Accompanied by 37 page text.) Available on the web at <http://geopubs.wr.usgs.gov/map-mf/mf2371/>



OUTSIDE PUBLICATIONS

ARTICLES AND REPORTS

Articles by USGS personnel in non-USGS publications recently cited in the GeoRef data base of the American Geological Institute are listed below. Non-USGS personnel who share authorship in articles with USGS personnel are



indicated by an asterisk (*) immediately following the name. **These publications are not available from the U.S. Geological Survey.**

- D. S. Aga, L. Zimmerman and E. M. Thurman. Part-per-trillion analysis of atrazine in pristine water; a method for coupling solid-phase extraction and immunoassay. Preprints of Papers, *in* Preprints of papers presented at the 203rd ACS national meeting. (A. W. Elzerman, chairperson). v. 32, no. 1, April 1992.
- G. V. Albino, Sameh Jalal* and Kurt Christensen*. Neoproterozoic mesothermal gold mineralization at Sukhaybarat East Mine, Saudi Arabia. *Institution of Mining and Metallurgy, Transactions, Section B: Applied Earth Science*. 104, December 1995. p. B157-B170.
- C. D. Allen. Runoff, erosion, and restoration studies in piñon-juniper woodlands of the Pajarito Plateau. New Mexico Decision-Makers Field Guide, *in* Water, watersheds, and land use in New Mexico; impacts of population growth on natural resources, Santa Fe region 2001. (P. S. Johnson, editor). 1, 2001. p. 24-26.
- C. D. Allen. Fire and vegetation history of the Jemez Mountains. New Mexico Decision-Makers Field Guide, *in* Water, watersheds, and land use in New Mexico; impacts of population growth on natural resources, Santa Fe region 2001. (P. S. Johnson, editor). 1, 2001. p. 29-33.
- B. Amadei* and W. Z. Savage. An analytical solution for transient flow of Bingham viscoplastic materials in rock fractures. *International Journal of Rock Mechanics and Mining Sciences* (1997). v. 38, no. 2, February 2001. p. 285-296.
- D. E. Anderson and C. D. Farrar. CALIFORNIA. Eddy covariance measurement of CO₂ flux to the atmosphere from an area of high volcanogenic emissions, Mammoth Mountain, California. *Chemical Geology, in* High CO₂ flux measurements in volcanic and geothermal areas, methodologies and results. (Deborah Bergfeld, editor and others). v. 177, no. 1-2, July 15, 2001. p. 31-42.
- B. F. Atwater, D. K. Yamaguchi*, Stein Bondevik*, W. A. Barnhardt, L. J. Amidon*, B. E. Benson*, Gudrun Skjerdal*, J. A. Shulene* and Futoshi Nanayama*. ALASKA. Rapid resetting of an estuarine recorder of the 1964 Alaska earthquake. *Geological Society of America Bulletin*. v. 113, no. 9, September 2001. p. 1193-1204.
- J. A. Barron. Report on diatom biostratigraphy of Mount Feather cores. Report - Ohio State University. Byrd Polar Research Center, *in* Mount Feather Sirius Group core workshop and collaborative sample analysis. (G. S. Wilson, editor and others). 14, 1998. p. 68-69.
- J. A. Barron and M. G. Curren*. Mount Feather core smear slide descriptions. Report - Ohio State University. Byrd Polar Research Center, *in* Mount Feather Sirius Group core workshop and collaborative sample analysis. (G. S. Wilson, editor and others). 14, 1998. p. 53-54.
- R. A. Batiuk*, R. J. Orth*, K. A. Moore*, W. C. Dennison*, J. C. Stevenson*, L. W. Staver*, Virginia Carter, N. B. Rybicki, R. E. Hickman, Stan Kollar*, Steven Bieber* and Patsy Heasley*. Chesapeake Bay submerged aquatic vegetation habitat requirements and restoration targets; a technical synthesis, December 1992. 248 p. *Available at*: U. S. Environmental Protection Agency for the Chesapeake Bay Program, Annapolis, MD, United States.
- Jayne Belnap, Roger Rosentreter*, Steve Leonard*, J. H. Kaltenecker*, John Williams* and David Eldridge*. Biological soil crusts; ecology and management, Report no. BLM/ID/ST-01/001+1730, 2001. 110 p. *Available at*: U. S. Bureau of Land Management, Denver, CO, United States.
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- M. D. Blum*, T. J. Misner*, E. S. Collins, D. B. Scott*, R. A. Morton and Andres Aslan*. TEXAS. Middle Holocene sea-level rise and highstand at 12 m, central Texas coast. *Journal of Sedimentary Research*. v. 71, no. 4, July 2001. p. 581-588.
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ABSTRACTS

Abstracts are condensed but informative summaries of presentations made at meetings of scientific and professional organizations. Typically they summarize the principal conclusions of an author's current work but contain little supporting data. Non-USGS personnel who share authorship in abstracts with USGS personnel are indicated by an asterisk (*) immediately following the name. **These publications are not available from the U.S. Geological Survey.**

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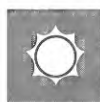
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TOPOGRAPHIC MAPS

Standard topographic maps are usually published in 7.5-minute quadrangles. The map location is given by the latitude and longitude of the southeast (lower right) corner of the quadrangle. Location, scale, and contour interval are indicated for each map in the computer-generated list below. The date shown indicates the latest revision. Provisional maps are essentially standard topographic maps published with modified map finishing and field and compilation procedures. Photorevised maps have not been field checked. Series converted maps include 7.5-minute maps compiled from 7.5-minute source materials initially published as 15-minute maps (15-minute maps are no longer available from the U.S. Geological Survey). Orthophotomaps are multicolor photographic-image maps in standard quadrangle format with added topographic detail. Orthophotoquads are monochrome or multicolor photographic-image maps in standard quadrangle format without topographic detail. Most monochrome orthophotoquads are not being published but are available in the form of diazo or photographic prints. The Index to Orthophotoquad Mapping showing information about available published and unpublished orthophotoquads is free on request from the distribution centers listed at the back of the catalog. County maps are multicolor topographic

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Standard quadrangle maps and orthophotoquads are sold for \$4.00 per copy. Discount rates and ordering instructions are given at the back of the catalog. State topographic indexes and catalogs are free on request. Each State index shows the areas mapped and the catalog contains ordering information and forms, along with a list of local dealers who sell topographic maps.

State	Map Name	Map Type	Revision Type	Currentness Year	SE Corner DDMMSS		Scale	Contour	
					Lat	Long		Value	Unit
AR TN	West Memphis	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1997	350730N	0900730W	00024000	5	FT
AZ	Big Pug Tank	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	342230N	1101500W	00024000	20	FT
AZ	Cabeza Prieta Mountains	BLM SURFACE MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2001	320000N	1130000W	00100000	50	MR
AZ	Cactus Flat	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	342230N	1100730W	00024000	20	FT
AZ	Casa Grande	BLM SURFACE MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2000	323000N	1110000W	00100000	20	MR
AZ NM	Chiricahua Peak	BLM SURFACE MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2001	313000N	1090000W	00100000	50	MR
AZ	Clay Springs	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	341500N	1101500W	00024000	20	FT
AZ	Dateland	BLM SURFACE MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2000	323000N	1130000W	00100000	40	MR
AZ NM	Douglas	BLM SURFACE MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2000	310000N	1090000W	00100000	50	MR
AZ	Hanks Draw	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	342230N	1103730W	00024000	20	FT
AZ	Knoll Lake	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	342230N	1110000W	00024000	40	FT
AZ	Leonard Canyon	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	343000N	1110000W	00024000	20	FT
AZ	Porcupine Ridge	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	342230N	1105230W	00024000	20	FT



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AZ	Prescott	BLM SURFACE MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2000	343000N 1120000W	00100000	40	MR
AZ	Sponseller Mountain	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	340730N 1094500W	00024000	20	FT
AZ NM	Springerville	BLM SURFACE MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2000	340000N 1090000W	00100000	20	MR
AZ	Weimer Point	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	342230N 1104500W	00024000	20	FT
CA	Childs Hill	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	413730N 1240000W	00024000	40	FT
CA	Cuyama	BLM SURFACE MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2000	343000N 1190000W	00100000	50	MR
CA	Delano	BLM SURFACE MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2000	353000N 1190000W	00100000	20	MR
CA	Dinsmore	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	402230N 1233000W	00024000	80	FT
CA	Lodi	BLM SURFACE MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2000	380000N 1210000W	00100000	20	MR
CA	Prescott Mountain	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	413730N 1233730W	00024000	80	FT
CA	San Francisco	BLM SURFACE MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2001	373000N 1220000W	00100000	50	MR
CA	San Jose	BLM SURFACE MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2000	370000N 1210000W	00100000	50	MR
CA	Tish Tang Point	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	410000N 1233000W	00024000	80	FT
CA	Visalia	BLM SURFACE MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2000	360000N 1190000W	00100000	20	MR
CO	Bailey	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1995	392230N 1052230W	00024000	40	FT
CO	Cheesman Lake	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1995	390730N 1051500W	00024000	40	FT
CO	Cortez	BLM SURFACE MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2001	370000N 1080000W	00100000	50	MR
CO	Cortez	BLM SURFACE MINERALS MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2001	370000N 1080000W	00100000	50	MR
CO	Cuchara	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1995	372230N 1050000W	00024000	40	FT
CO	Cucharas Pass	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1995	371500N 1050000W	00024000	40	FT
CO	Farnum Peak	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1995	390730N 1053000W	00024000	40	FT



CO	Granite	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1995	390000N 1061500W	00024000	40	FT
CO	Green Mountain	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1995	391500N 1051500W	00024000	40	FT
CO	Leadville	BLM SURFACE MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2000	390000N 1060000W	00100000	20	MR
CO	Leadville	BLM SURFACE MINERALS MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2000	390000N 1060000W	00100000	20	MR
CO	Mc Curdy Mountain	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1995	390730N 1052230W	00024000	40	FT
CO	Mount Harvard	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1995	385230N 1061500W	00024000	40	FT
CO	Observatory Rock	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1995	391500N 1053730W	00024000	40	FT
CO	Paonia	BLM SURFACE MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2000	383000N 1070000W	00100000	50	MR
CO	Paonia	BLM SURFACE MINERALS MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2000	383000N 1070000W	00100000	50	MR
CO	Tincup	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1995	384500N 1062230W	00024000	40	FT
CO	Topaz Mountain	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1995	391500N 1053000W	00024000	40	FT
CO	Windy Peak	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1995	391500N 1052230W	00024000	40	FT
CO	Winfield	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1995	385230N 1062230W	00024000	40	FT
FL	Starke	24K TOPO MAP	MINOR REVISION REPRINT	1999	295230N 0820000W	00024000	5	FT
GA FL	Clyattville	24K TOPO MAP	MINOR REVISION REPRINT	1994	303730N 0831500W	00024000	10	FT
GA SC	Rainy Mountain	24K TOPO MAP	MINOR REVISION REPRINT	1997	344500N 0831500W	00024000	40	FT
ID	Mountain Home	BLM SURFACE MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2000	430000N 1150000W	00100000	50	MR
ID	Murphy	BLM SURFACE MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2001	430000N 1160000W	00100000	50	MR
IL	Highland Park	24K TOPO MAP	MINOR REVISION REPRINT	2000	420730N 0874500W	00024000	5	FT
IL	Lake Zurich	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1998	420730N 0880000W	00024000	10	FT
IN	Evansville South	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	375230N 0873000W	00024000	10	FT
IN	Lafayette East	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1998	402230N 0864500W	00024000	10	FT



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IN	Lafayette West	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1998	402230N 0865230W	00024000	10	FT
IN	Martinsville	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1998	392230N 0862230W	00024000	10	FT
KY	Central City West	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1997	371500N 0870730W	00024000	10	FT
KY	Drakesboro	24K TOPO MAP	MINOR REVISION REPRINT	1998	370730N 0870000W	00024000	10	FT
KY	Greenville	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1997	370730N 0870730W	00024000	10	FT
LA	Central Isles Dernieres	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1998	290000N 0904500W	00024000	5	FT
LA	Grand Bayou Du Large	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1998	290730N 0905230W	00024000	5	FT
LA	Little Woods	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1998	300000N 0895230W	00024000	5	FT
LA	Venice	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1998	291500N 0891500W	00024000	5	FT
MD PA	Emmitsburg	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	393730N 0771500W	00024000	20	FT
ME	Bridgton	24K TOPO MAP, PROVISIONAL	MINOR REVISION REPRINT	2000	440000N 0703730W	00024000	10	FT
ME	Brunswick	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1996	435230N 0695230W	00024000	10	FT
ME	Camden	24K TOPO MAP	MINOR REVISION REPRINT	2000	440730N 0690000W	00024000	20	FT
ME	Damariscotta	24K TOPO MAP	MINOR REVISION REPRINT	2000	440000N 0693000W	00024000	10	FT
ME	Norway	24K TOPO MAP, PROVISIONAL	MINOR REVISION REPRINT	2000	440730N 0703000W	00024000	10	FT
ME	Old Speck Mountain	24K TOPO MAP, PROVISIONAL	MINOR REVISION REPRINT	2000	443000N 0705230W	00024000	20	FT
MI	Empire	25K TOPO MAP (7.5 X 7.5), PROVISIONAL	MINOR REVISION REPRINT	1998	444500N 0860000W	00025000	5	MR
MI	Government Peak	24K TOPO MAP	MINOR REVISION REPRINT	1999	464500N 0893730W	00024000	5	MR
MO	Powder Mill Ferry	24K TOPO MAP	MINOR REVISION REPRINT	1997	370730N 0910730W	00024000	20	FT
MS	Horn Island East	24K TOPO MAP	MINOR REVISION REPRINT	2000	300730N 0883000W	00024000	5	FT
MS	Horn Island West	24K TOPO MAP	MINOR REVISION REPRINT	2000	300730N 0883730W	00024000	5	FT
MS TN	Pleasant Hill	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1996	345230N 0895230W	00024000	10	FT
MT ND	Badland Draw	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	462230N 1040000W	00024000	20	FT
MT ND	Fairview	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	474500N 1040000W	00024000	10	FT



MT ND	Ollie	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	463000N 1040000W	00024000	20	FT
MT ND	Sidney Northeast	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	473730N 1040000W	00024000	20	FT
MT ND	Sidney Southeast	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	473000N 1040000W	00024000	20	FT
MT ND	Skaar Northeast	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	472230N 1040000W	00024000	20	FT
MT ND	Waterhole Creek	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	461500N 1040000W	00024000	20	FT
MT	Wolf Point	BLM SURFACE MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2000	480000N 1050000W	00100000	20	MR
MT	Wolf Point	BLM SURFACE MINERALS MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2000	480000N 1050000W	00100000	20	MR
MT	Zortman	BLM SURFACE MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2000	473000N 1080000W	00100000	20	MR
MT	Zortman	BLM SURFACE MINERALS MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2000	473000N 1080000W	00100000	20	MR
NC TN	Bakersville	24K TOPO MAP	MINOR REVISION REPRINT	1997	360000N 0820730W	00024000	40	FT
NC SC	Brevard	24K TOPO MAP	MINOR REVISION REPRINT	1997	350730N 0823730W	00024000	40	FT
NC GA SC	Cashiers	24K TOPO MAP	MINOR REVISION REPRINT	1997	350000N 0830000W	00024000	40	FT
NC	Clifffield Mountain	24K TOPO MAP	MINOR REVISION REPRINT	1997	351500N 0821500W	00024000	20	FT
NC	Columbia East	24K TOPO MAP	LIMITED UPDATE (DIGITAL REVISION)	1998	355230N 0760730W	00024000	5	FT
NC	Columbia West	24K TOPO MAP	LIMITED UPDATE (DIGITAL REVISION)	1998	355230N 0761500W	00024000	5	FT
NC	Cove Creek Gap	24K TOPO MAP	MINOR REVISION REPRINT	1997	353730N 0830000W	00024000	40	FT
NC	Craggy Pinnacle	24K TOPO MAP	MINOR REVISION REPRINT	1997	353730N 0822230W	00024000	40	FT
NC	Cruso	24K TOPO MAP	MINOR REVISION REPRINT	1997	352230N 0824500W	00024000	40	FT
NC	Deep Run	24K TOPO MAP	LIMITED UPDATE (DIGITAL REVISION)	1998	350730N 0773730W	00024000	2	MR
NC	Dellwood	24K TOPO MAP	MINOR REVISION REPRINT	1997	353000N 0830000W	00024000	40	FT
NC	Dunsmore Mountain	24K TOPO MAP	MINOR REVISION REPRINT	1997	352230N 0823730W	00024000	40	FT
NC SC	Eastatoe Gap	24K TOPO MAP	MINOR REVISION REPRINT	1997	350000N 0824500W	00024000	40	FT



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NC	Greensboro	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1997	360000N 0794500W	00024000	10	FT
NC	Greenville NE	24K TOPO MAP	LIMITED UPDATE (DIGITAL REVISION)	1998	353730N 0771500W	00024000	2	MR
NC	Greenville NW	24K TOPO MAP	LIMITED UPDATE (DIGITAL REVISION)	1998	353730N 0772230W	00024000	2	MR
NC	Greenville SW	24K TOPO MAP	LIMITED UPDATE (DIGITAL REVISION)	1998	353000N 0772230W	00024000	2	MR
NC	Greenville Southeast	24K TOPO MAP	LIMITED UPDATE (DIGITAL REVISION)	1998	353000N 0771500W	00024000	2	MR
NC	Guilford	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1997	360000N 0795230W	00024000	10	FT
NC	Hackney	24K TOPO MAP	MINOR REVISION REPRINT	1997	352230N 0770000W	00024000	5	FT
NC	Hazelwood	24K TOPO MAP	MINOR REVISION REPRINT	1997	352230N 0830000W	00024000	40	FT
NC	Horse Shoe	24K TOPO MAP	MINOR REVISION REPRINT	1997	351500N 0823000W	00024000	40	FT
NC	Lake Toxaway	24K TOPO MAP	MINOR REVISION REPRINT	1997	350730N 0825230W	00024000	40	FT
NC	Leland	24K TOPO MAP	MINOR REVISION REPRINT	1997	341500N 0780000W	00024000	2	MR
NC TN	Lemon Gap	24K TOPO MAP	MINOR REVISION REPRINT	1997	354500N 0825230W	00024000	40	FT
NC	Northwest Goldsboro	24K TOPO MAP	LIMITED UPDATE (DIGITAL REVISION)	1998	352230N 0780000W	00024000	5	FT
NC	Phillips Crossroads	24K TOPO MAP	MINOR REVISION REPRINT	1997	350000N 0772230W	00024000	2	MR
NC	Pike Road	24K TOPO MAP	MINOR REVISION REPRINT	1997	353730N 0763730W	00024000	5	FT
NC	Pisgah Forest	24K TOPO MAP	MINOR REVISION REPRINT	1997	351500N 0823730W	00024000	40	FT
NC	Plymouth East	24K TOPO MAP	LIMITED UPDATE (DIGITAL REVISION)	1998	354500N 0763730W	00024000	5	FT
NC	Plymouth West	24K TOPO MAP	LIMITED UPDATE (DIGITAL REVISION)	1998	354500N 0764500W	00024000	5	FT
NC	Ransomville	24K TOPO MAP	MINOR REVISION REPRINT	1997	352230N 0763730W	00024000	5	FT
NC SC	Reid	24K TOPO MAP	MINOR REVISION REPRINT	1997	350000N 0825230W	00024000	40	FT
NC	Rosman	24K TOPO MAP	MINOR REVISION REPRINT	1997	350730N 0824500W	00024000	40	FT
NC	Sam Knob	24K TOPO MAP	MINOR REVISION REPRINT	1997	351500N 0825230W	00024000	40	FT
NC	Shining Rock	24K TOPO MAP	MINOR REVISION REPRINT	1997	351500N 0824500W	00024000	40	FT
NC	Southwest Goldsboro	24K TOPO MAP	LIMITED UPDATE (DIGITAL REVISION)	1998	351500N 0780000W	00024000	5	FT



NC	Tuckasegee	24K TOPO MAP	MINOR REVISION REPRINT	1997	351500N 0830000W	00024000	40	FT
NC	Winston-Salem East	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1997	360000N 0800730W	00024000	10	FT
NC	Winston-Salem West	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1997	360000N 0801500W	00024000	10	FT
ND	Alexander	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	474500N 1033730W	00024000	20	FT
ND	Alpha	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	463730N 1034500W	00024000	20	FT
ND	Amidon	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	462230N 1031500W	00024000	20	FT
ND	Amidon Southeast	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	461500N 1031500W	00024000	10	FT
ND	Banks	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	480000N 1030730W	00024000	20	FT
ND	Bear Butte	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	473730N 1033000W	00024000	20	FT
ND	Belfield	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	465230N 1030730W	00024000	10	FT
ND	Belfield Southwest	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	464500N 1030730W	00024000	10	FT
ND	Black Butte	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	462230N 1032230W	00024000	20	FT
ND	Blue Buttes	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	475230N 1024500W	00024000	20	FT
ND	Boyce Creek East	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	462230N 1033730W	00024000	20	FT
ND	Burning Mine Butte	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	473000N 1033730W	00024000	20	FT
ND	Cartwright	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	474500N 1035230W	00024000	20	FT
ND	Charbonneau	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	474500N 1034500W	00024000	20	FT
ND	Charlson	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	480000N 1024500W	00024000	20	FT
ND	Charlson Southwest	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	480000N 1025230W	00024000	20	FT
ND	Croff	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	473730N 1025230W	00024000	20	FT
ND	Daglum SE	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	463000N 1030000W	00024000	10	FT
ND	Daglum Southwest	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	463000N 1030730W	00024000	10	FT
ND	Deep Creek North	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	463000N 1033000W	00024000	20	FT
ND	Deep Creek South	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	462230N 1033000W	00024000	20	FT



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ND	Demicks Lake	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	475230N 1030000W	00024000	20	FT
ND	Dry Bullion Creek	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	463730N 1033730W	00024000	20	FT
ND	Eagle Draw	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	471500N 1033730W	00024000	40	FT
ND	Fairfield	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	470730N 1030730W	00024000	10	FT
ND	Figure 4 Ranch	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	473730N 1024500W	00024000	20	FT
ND	Fryburg	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	464500N 1031500W	00024000	20	FT
ND	Fryburg Northeast	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	465230N 1031500W	00024000	20	FT
ND	Fryburg Northwest	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	465230N 1032230W	00024000	20	FT
ND	Gorham	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	470730N 1031500W	00024000	20	FT
ND	Gorham Northwest	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	470730N 1032230W	00024000	20	FT
ND	Gorham Southeast	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	470000N 1031500W	00024000	20	FT
ND	Gorham Southwest	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	470000N 1032230W	00024000	20	FT
ND	Grassy Butte Southeast	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	471500N 1030000W	00024000	20	FT
ND	Grassy Butte Southwest	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	471500N 1030730W	00024000	20	FT
ND	Hanks Gully	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	471500N 1033000W	00024000	40	FT
ND SD	Haynes	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	455230N 1022230W	00024000	10	FT
ND SD	Hettinger South	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	455230N 1023730W	00024000	10	FT
ND	Hootowl Creek East	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	470730N 1034500W	00024000	40	FT
ND	Horse Creek School	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	473730N 1035230W	00024000	20	FT
ND	Ice Box Canyon	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	472230N 1033000W	00024000	40	FT
ND	Johnsons Corner	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	474500N 1025230W	00024000	20	FT
ND	Juniper Spur	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	463000N 1032230W	00024000	20	FT
ND	Keene	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	475230N 1025230W	00024000	10	FT
ND	Lone Butte	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	473000N 1030730W	00024000	20	FT



ND	Lone Butte Northeast	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	473730N 1030000W	00024000	20	FT
ND	Lone Butte Northwest	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	473730N 1030730W	00024000	20	FT
ND	Lone Butte Southeast	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	473000N 1030000W	00024000	20	FT
ND	Long X Divide	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	473000N 1031500W	00024000	20	FT
ND	Lookout Butte	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	460000N 1012230W	00024000	20	FT
ND	Lookout Butte Southeast	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	460000N 1011500W	00024000	20	FT
ND	Marmarth	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	461500N 1035230W	00024000	20	FT
ND	Marmarth Southeast	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	461500N 1034500W	00024000	20	FT
ND	Medora	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	465230N 1033000W	00024000	40	FT
ND	Moline School	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	473730N 1033730W	00024000	20	FT
ND	Parks Hills	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	460000N 1013730W	00024000	20	FT
ND	Petes Creek	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	472230N 1030000W	00024000	20	FT
ND	Phillip Spring	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	473000N 1035230W	00024000	20	FT
ND	Pitt Creek	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	460000N 1013000W	00024000	20	FT
ND	Pretty Butte	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	462230N 1035230W	00024000	20	FT
ND	Pretty Rock Butte Southeast	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	460000N 1014500W	00024000	20	FT
ND	Rat Lake Southwest	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	480000N 1023730W	00024000	20	FT
ND	Red Mike Hill	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	480730N 1030000W	00024000	20	FT
ND	Red Wing Creek	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	473000N 1033000W	00024000	20	FT
ND	Riga	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	481500N 1003730W	00024000	5	FT
ND	Rocky Ridge North	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	463730N 1031500W	00024000	20	FT
ND	Rocky Ridge South	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	463000N 1031500W	00024000	20	FT
ND	Roosevelt Creek East	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	470730N 1033000W	00024000	40	FT
ND	Roosevelt Creek West	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	470730N 1033730W	00024000	40	FT



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ND	Sather Lake	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	473730N 1034500W	00024000	20	FT
ND	Scairt Woman Draw	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	471500N 1031500W	00024000	20	FT
ND	Schafer	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	474500N 1030730W	00024000	20	FT
ND	Schafer Southeast	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	474500N 1030000W	00024000	20	FT
ND	Sheep Creek	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	473000N 1034500W	00024000	20	FT
ND	Shields Southwest	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	460000N 1010730W	00024000	20	FT
ND MT	Skaar	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	471500N 1040000W	00024000	20	FT
ND	Sperati Point	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	473000N 1032230W	00024000	20	FT
ND	Spring Creek	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	463000N 1033730W	00024000	20	FT
ND	Square Butte	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	464500N 1033730W	00024000	20	FT
ND	Squaretop Butte	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	471500N 1032230W	00024000	40	FT
ND	Squaw Gap	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	472230N 1035230W	00024000	20	FT
ND	Stewart Lake	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	461500N 1032230W	00024000	10	FT
ND	Stocke Butte	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	473730N 1032230W	00024000	20	FT
ND	Tepee Buttes	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	473730N 1031500W	00024000	20	FT
ND	Three V Crossing	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	463000N 1034500W	00024000	20	FT
ND	Timber Prong Creek	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	475230N 1030730W	00024000	20	FT
ND	Tobacco Garden Bay	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	480000N 1030000W	00024000	20	FT
ND	Towner NW	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	482230N 1002230W	00024000	5	FT
ND	Tracy Mountain	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	464500N 1032230W	00024000	20	FT
ND	Trotters	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	471500N 1035230W	00024000	20	FT
ND	Trotters SE	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	471500N 1034500W	00024000	40	FT
ND	Wannagan Creek East	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	470000N 1033000W	00024000	40	FT
ND	Wannagan Creek West	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	470000N 1033730W	00024000	40	FT



ND	West Fork Deep Creek	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	461500N 1033000W	00024000	20	FT
ND	West Twin Butte	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	470000N 1034500W	00024000	20	FT
ND	Williams Lake	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	463000N 1035230W	00024000	20	FT
ND	Wolf Coulee	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	472230N 1032230W	00024000	40	FT
NH	Ashland	24K TOPO MAP, PROVISIONAL	MINOR REVISION REPRINT	2000	433730N 0713730W	00024000	20	FT
NH	Berlin	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	2000	442230N 0710730W	00024000	20	FT
NH	Bristol	24K TOPO MAP, PROVISIONAL	MINOR REVISION REPRINT	2000	433000N 0713730W	00024000	20	FT
NH	Farmington	24K TOPO MAP, PROVISIONAL	MINOR REVISION REPRINT	2000	432230N 0710000W	00024000	20	FT
NH	Franklin	24K TOPO MAP, PROVISIONAL	MINOR REVISION REPRINT	2000	432230N 0713730W	00024000	20	FT
NH VT	Hanover	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1996	433730N 0721500W	00024000	20	FT
NH VT	Lyme	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1996	434500N 0720730W	00024000	20	FT
NH VT	Piermont	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1999	435230N 0720000W	00024000	20	FT
NH ME	Shelburne	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	2000	442230N 0710000W	00024000	20	FT
NH	Smarts Mountain	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1999	434500N 0720000W	00024000	20	FT
NH	Teakettle Ridge	24K TOPO MAP, PROVISIONAL	MINOR REVISION REPRINT	2000	443730N 0710730W	00024000	20	FT
NH	Warren	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1999	435230N 0715230W	00024000	20	FT
NJ	Farmingdale	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1995	400730N 0740730W	00024000	5	FT
NJ NY	Sandy Hook	24K TOPO MAP	MINOR REVISION REPRINT	1998	402230N 0735820W	00024000	20	FT
NJ	Toms River	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1995	395230N 0740730W	00024000	5	FT
NM CO	Chama	BLM SURFACE MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2001	363000N 1060000W	00100000	50	MR
NM	Deming	BLM SURFACE MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2001	320000N 1070000W	00100000	20	MR
NM	Deming	BLM SURFACE MINERALS MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2001	320000N 1070000W	00100000	20	MR
NY	Ampersand Lake	25K TOPO MAP (7.5 X 15)	MINOR REVISION REPRINT	1999	440730N 0740000W	00025000	10	MR



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NY	Keene Valley	25K TOPO MAP (7.5 X 15)	MINOR REVISION REPRINT	1999	440730N 0734500W	00025000	10	MR
NY	Little Tupper Lake	25K TOPO MAP (7.5 X 15), PROVISIONAL	MINOR REVISION REPRINT	1999	440000N 0743000W	00025000	6	MR
NY	Mount Marcy	25K TOPO MAP (7.5 X 15)	MINOR REVISION REPRINT	1999	440000N 0734500W	00025000	10	MR
NY	Piercefield	25K TOPO MAP (7.5 X 15), PROVISIONAL	MINOR REVISION REPRINT	1999	440730N 0743000W	00025000	6	MR
NY	Saint Regis Mtn	25K TOPO MAP (7.5 X 15)	MINOR REVISION REPRINT	1999	442230N 0741500W	00025000	5	MR
NY	Santanoni Peak	25K TOPO MAP (7.5 X 15)	MINOR REVISION REPRINT	1999	440000N 0740000W	00025000	10	MR
OH	Shaker Heights	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1994	412230N 0813000W	00024000	10	FT
OK TX	Boise City Southeast	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	363000N 1023000W	00024000	5	FT
OK TX	Boise City Southwest	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	363000N 1023730W	00024000	5	FT
OK TX	Conrad Southwest	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	363000N 1022230W	00024000	10	FT
OK TX	Felt	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	363000N 1024500W	00024000	5	FT
OK TX	Felt Southwest	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	363000N 1025230W	00024000	10	FT
OR	Agness	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	423000N 1240000W	00024000	40	FT
OR	Belknap Springs	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	440730N 1220000W	00024000	40	FT
OR	Big Craggies	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	421500N 1240000W	00024000	40	FT
OR	Blue River	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	440730N 1221500W	00024000	40	FT
OR	Bone Mountain	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	425230N 1234500W	00024000	40	FT
OR	Bosley Butte	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	420730N 1240730W	00024000	40	FT
OR	Brandy Peak	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	423000N 1235230W	00024000	40	FT
OR	Brushy Bald Mountain	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	423000N 1241500W	00024000	40	FT
OR	Bunker Creek	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	423730N 1233730W	00024000	40	FT
OR	Carpenter Mountain	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	441500N 1220730W	00024000	40	FT
OR	Carpenterville	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	420730N 1241500W	00024000	40	FT



OR	Chetco Peak	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	420730N 1235230W	00024000	40	FT
OR	Collier Butte	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	421500N 1240730W	00024000	40	FT
OR	Crescent	BLM SURFACE MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2000	430000N 1210000W	00100000	20	MR
OR	Crescent	BLM SURFACE MINERALS MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2000	430000N 1210000W	00100000	20	MR
OR	Eden Valley	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	424500N 1235230W	00024000	40	FT
OR	Farmers Butte	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	441500N 1223000W	00024000	40	FT
OR	Galice	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	423000N 1233000W	00024000	40	FT
OR	Harvey Mountain	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	440000N 1221500W	00024000	40	FT
OR	Hobson Horn	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	423000N 1234500W	00024000	40	FT
OR	Horse Sign Butte	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	422230N 1240000W	00024000	40	FT
OR	Illabe	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	423730N 1240000W	00024000	40	FT
OR	Josephine Mountain	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	420730N 1234500W	00024000	40	FT
OR	Kelsey Peak	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	423730N 1234500W	00024000	40	FT
OR	Marial	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	423730N 1235230W	00024000	40	FT
OR	Merlin	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	423000N 1232230W	00024000	40	FT
OR	Mount Bolivar	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	424500N 1234500W	00024000	40	FT
OR	Mount Hagan	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	440730N 1222230W	00024000	40	FT
OR	Mount Jefferson	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	443730N 1214500W	00024000	40	FT
OR	Mount Peavine	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	423000N 1233730W	00024000	40	FT
OR	Mount Reuben	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	423730N 1233000W	00024000	40	FT
OR	Mount Washington	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	441500N 1214500W	00024000	40	FT
OR	Ophir Mountain	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	423730N 1240730W	00024000	40	FT
OR	Pearsoll Peak	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	421500N 1234500W	00024000	40	FT



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OR	Powers	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	425230N 1240000W	00024000	40	FT
OR	Quail Prairie Mountain	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	420730N 1240000W	00024000	40	FT
OR	Quosatana Butte	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	422230N 1240730W	00024000	40	FT
OR	Rasler Creek	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	425230N 1235230W	00024000	40	FT
OR	Signal Buttes	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	422230N 1241500W	00024000	40	FT
OR	Silver Peak	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	422230N 1235230W	00024000	40	FT
OR	Soldier Camp Mountain	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	423000N 1240730W	00024000	40	FT
OR	Sundown Mountain	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	421500N 1241500W	00024000	40	FT
OR	Tamolitch Falls	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1997	441500N 1220000W	00024000	40	FT
OR	Tincup Peak	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	421500N 1235230W	00024000	40	FT
OR	York Butte	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	422230N 1234500W	00024000	40	FT
PA	Allentown East	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	403000N 0752230W	00024000	10	FT
PA	Allentown West	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	403000N 0753000W	00024000	10	FT
PA	Ambler	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	400730N 0750730W	00024000	10	FT
PA	Catasauqua	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	403730N 0752230W	00024000	10	FT
PA	Cementon	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	403730N 0753000W	00024000	10	FT
PA	Dalmatia	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	403730N 0765230W	00024000	20	FT
PA MD	Delta	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	393730N 0761500W	00024000	20	FT
PA	Dover	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	400000N 0764500W	00024000	20	FT
PA	Doylestown	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	401500N 0750730W	00024000	20	FT
PA	Elizabethtown	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	400730N 0763000W	00024000	20	FT
PA NY	Elkland	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	415230N 0771500W	00024000	20	FT
PA	Glen Rock	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	394500N 0763730W	00024000	20	FT
PA	Hatboro	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	400730N 0750000W	00024000	10	FT



PA	Leontes Mills	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	2000	410000N 0781500W	00024000	20	FT
PA	Lemoyne	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	400730N 0765230W	00024000	20	FT
PA	Lenoxville	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	413730N 0753730W	00024000	20	FT
PA	Malvern	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	400000N 0753000W	00024000	10	FT
PA	Mansfield	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	414500N 0770000W	00024000	20	FT
PA	Mechanicsburg	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	400730N 0770000W	00024000	10	FT
PA	Middletown	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	400730N 0763730W	00024000	20	FT
PA	Morgantown	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	400730N 0755230W	00024000	20	FT
PA	Mount Pocono	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	410000N 0751500W	00024000	20	FT
PA	New Holland	24K TOPO MAP	LIMITED UPDATE (DIGITAL REVISION)	1999	400000N 0760000W	00024000	20	FT
PA	New Tripoli	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	403730N 0754500W	00024000	20	FT
PA	Oxford	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	394500N 0755230W	00024000	10	FT
PA	Pottstown	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	400730N 0753730W	00024000	10	FT
PA	Quakertown	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	402230N 0751500W	00024000	20	FT
PA	Reading	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	401500N 0755230W	00024000	20	FT
PA	Sassamansville	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	401500N 0753000W	00024000	20	FT
PA	Saylorsburg	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	405230N 0751500W	00024000	20	FT
PA	Sinking Spring	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	401500N 0760000W	00024000	20	FT
PA	Sonestown	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	411500N 0763000W	00024000	20	FT
PA NJ	Stroudsburg	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	405230N 0750730W	00024000	20	FT
PA	Sunbury	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	404500N 0764500W	00024000	20	FT
PA	Temple	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	402230N 0755230W	00024000	20	FT
PA	Tunkhannock	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	2000	413000N 0755230W	00024000	20	FT
PA	Wertsville	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	401500N 0770000W	00024000	10	FT



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PA	White Mills	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	413000N 0750730W	00024000	20	FT
PA	York	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	395230N 0763730W	00024000	20	FT
PA	York Haven	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	400000N 0763730W	00024000	20	FT
SD	Bison	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	453000N 1022230W	00024000	5	MR
SD	Bison Northeast	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	453730N 1021500W	00024000	5	MR
SD	Bison Northwest	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	453730N 1022230W	00024000	5	MR
SD	Black Horse Butte	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	453000N 1015230W	00024000	20	FT
SD	Black Horse Butte Northwest	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	453730N 1015230W	00024000	20	FT
SD	Boxcar Buttes	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	453000N 1021500W	00024000	5	MR
SD	Cole Dam	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	453730N 1023000W	00024000	5	MR
SD ND	Cow Butte Northeast	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	455230N 1024500W	00024000	10	FT
SD	Cow Butte Southeast	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	454500N 1024500W	00024000	5	MR
SD	Deerfield	24K TOPO MAP	MINOR REVISION REPRINT	1998	440000N 1034500W	00024000	20	FT
SD	Glad Valley	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	452230N 1014500W	00024000	5	MR
SD	Glad Valley Northwest	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	452230N 1015230W	00024000	5	MR
SD	Haynes Southeast	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	454500N 1021500W	00024000	5	MR
SD	Haynes Southwest	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	454500N 1022230W	00024000	5	MR
SD	Hayward	24K TOPO MAP	MINOR REVISION REPRINT	1998	434500N 1031500W	00024000	20	FT
SD	Hill City	24K TOPO MAP	MINOR REVISION REPRINT	1998	435230N 1033000W	00024000	40	FT
SD	Iron Mountain	24K TOPO MAP	MINOR REVISION REPRINT	1998	434500N 1032230W	00024000	40	FT
SD ND	Keldron	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	455230N 1014500W	00024000	10	FT
SD ND	Kid Rich Butte	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	455230N 1023000W	00024000	10	FT
SD	Lemmon Lake	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	454500N 1020000W	00024000	5	MR
SD	Little Nasty Creek	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	453730N 1023730W	00024000	5	MR



SD	Lodgepole	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	454500N 1023730W	00024000	5	MR
SD	Lodgepole Southeast	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	454500N 1023000W	00024000	5	MR
SD	Meadow Northeast	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	453730N 1020000W	00024000	5	MR
SD	Meadow Northwest	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	453730N 1020730W	00024000	5	MR
SD	Meadow Southeast	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	453000N 1020000W	00024000	5	MR
SD	Medicine Mountain	24K TOPO MAP	MINOR REVISION REPRINT	1998	435230N 1033730W	00024000	40	FT
SD ND	Morristown	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	455230N 1013730W	00024000	10	FT
SD	Nemo	24K TOPO MAP	MINOR REVISION REPRINT	1998	440730N 1033000W	00024000	20	FT
SD	Rochford	24K TOPO MAP	MINOR REVISION REPRINT	1998	440000N 1033730W	00024000	40	FT
SD	Square Top Butte	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	453000N 1023000W	00024000	5	MR
SD	Summerville	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	454500N 1020730W	00024000	5	MR
SD	Twin Butte	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	453000N 1014500W	00024000	20	FT
SD	Wall	BLM SURFACE MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2000	433000N 1020000W	00100000	20	MR
SD	Wall	BLM SURFACE MINERALS MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2000	433000N 1020000W	00100000	20	MR
SD ND	Watauga	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	455230N 1013000W	00024000	10	FT
SD ND	White Butte	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	455230N 1021500W	00024000	10	FT
TN	Caney Creek	24K TOPO MAP	MINOR REVISION REPRINT	1999	350000N 0843000W	00024000	40	FT
TN	Ducktown	24K TOPO MAP	MINOR REVISION REPRINT	1999	350000N 0842230W	00024000	40	FT
TN	Honey Creek	24K TOPO MAP	MINOR REVISION REPRINT	2000	362230N 0843730W	00024000	20	FT
TN	Jackson North	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1997	353730N 0884500W	00024000	10	FT
TX	Brickel	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	361500N 1020730W	00024000	5	FT
TX	Buffalo Springs	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	362230N 1024500W	00024000	10	FT
TX	Coldwater East	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	362230N 1023000W	00024000	10	FT



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TX	Coldwater West	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	362230N 1023730W	00024000	10	FT
TX	Corlena	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	361500N 1025230W	00024000	10	FT
TX	Corlena Northwest	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	362230N 1025230W	00024000	10	FT
TX	Jericho	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	350730N 1005230W	00024000	10	FT
TX	Kerrick	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	362230N 1020730W	00024000	5	FT
TX	North of Red Cow Draw	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	362230N 1022230W	00024000	5	FT
TX	Perico	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	361500N 1024500W	00024000	5	FT
TX	Pritchard Ranch	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	361500N 1023000W	00024000	10	FT
TX	Red Cow Draw	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	361500N 1022230W	00024000	10	FT
TX	Rockledge	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	350730N 1004500W	00024000	10	FT
TX	Tovrea Ranch	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	361500N 1023730W	00024000	5	FT
TX	West of Brickel	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	361500N 1021500W	00024000	5	FT
TX	West of Kerrick	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	362230N 1021500W	00024000	5	FT
UT	Birch Creek Reservoirs	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	413000N 1111500W	00024000	40	FT
UT	Cedar Fort	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1997	401500N 1120000W	00024000	20	FT
UT	Coalville	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1997	405230N 1112230W	00024000	40	FT
UT	Curtis Ridge	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	413000N 1112230W	00024000	40	FT
UT	Dairy Ridge	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	412230N 1112230W	00024000	40	FT
UT	Devils Slide	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1997	410000N 1113000W	00024000	40	FT
UT	Draper	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	403000N 1114500W	00024000	40	FT
UT	Dromedary Peak	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	403000N 1113730W	00024000	40	FT
UT	Farmington	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	405230N 1115230W	00024000	20	FT
UT	Fort Douglas	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	404500N 1114500W	00024000	40	FT
UT	Hardware Ranch	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	413000N 1113000W	00024000	40	FT



UT	Heber City	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1997	403000N 1112230W	00024000	40	FT
UT	Heiners Creek	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1997	410000N 1111500W	00024000	40	FT
UT	Henefer	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1997	410000N 1112230W	00024000	40	FT
UT	Jordan Narrows	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	402230N 1115230W	00024000	20	FT
UT	Kamas	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	403730N 1111500W	00024000	40	FT
UT	Kaysville	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	410000N 1115230W	00024000	40	FT
UT	Lincoln Point	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1997	400730N 1114500W	00024000	20	FT
UT	Mc Kay Hollow	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	411500N 1110730W	00024000	20	FT
UT	Meachum Ridge	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	412230N 1111500W	00024000	40	FT
UT	Morgan	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1997	410000N 1113730W	00024000	40	FT
UT	Old Canyon	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	413730N 1111500W	00024000	40	FT
UT	Park City East	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	403730N 1112230W	00024000	40	FT
UT	Park City West	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	403730N 1113000W	00024000	40	FT
UT	Pelican Point	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1999	401500N 1114500W	00024000	5	FT
UT	Red Spur Mountain	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	413730N 1112230W	00024000	40	FT
UT	Salt Lake City North	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	404500N 1115230W	00024000	20	FT
UT	Saltair NE	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1997	405230N 1120000W	00024000	5	FT
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UT	Soldiers Pass	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1997	400730N 1115230W	00024000	20	FT
UT	Sugar House	24K TOPO MAP	LIMITED UPDATE (ANALOG REVISION)	1998	403730N 1114500W	00024000	40	FT
UT	Tickville Spring	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1997	402230N 1120000W	00024000	40	FT
UT	Wanship	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1997	404500N 1112230W	00024000	40	FT
UT	Wildcat Mountain	BLM SURFACE MANAGEMENT STATUS MAP	TOPOGRAPHIC EDITIONS	2000	400000N 1130000W	00100000	20	MR



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VA	2001 National Scout Jamboree	24K TOPO MAP	NEW MAPPING	1995	380730N 0771500W	00024000	10	FT
VA	Staunton	24K TOPO MAP	STANDARD UPDATE (ANALOG REVISION)	1998	380730N 0790000W	00024000	20	FT
VA MD	Widewater	24K TOPO/BATHY MAP	MINOR REVISION REPRINT	1998	382230N 0771500W	00024000	10	FT
WI	Dundee	24K TOPO MAP	MINOR REVISION REPRINT	1999	433730N 0880730W	00024000	10	FT
WI	Kewaskum	24K TOPO MAP	MINOR REVISION REPRINT	1999	433000N 0880730W	00024000	10	FT
WI MN	La Crosse	24K TOPO MAP	MINOR REVISION REPRINT	1998	434500N 0910730W	00024000	20	FT
WV	Ansted	24K TOPO MAP	MINOR REVISION REPRINT	2000	380730N 0810000W	00024000	40	FT
WV	Baker	24K TOPO MAP	MINOR REVISION REPRINT	1999	390000N 0783730W	00024000	20	FT
WV VA	Brandywine	24K TOPO MAP	MINOR REVISION REPRINT	1999	383000N 0790730W	00024000	40	FT
WV VA	Lindside	24K TOPO MAP	MINOR REVISION REPRINT	1998	372230N 0803730W	00024000	20	FT





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