

Kentucky Geological Survey
James C. Cobb, State Geologist and Director
University of Kentucky, Lexington

List of Publications

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Compiled by Margaret Luther Smath

Kentucky Geological Survey
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Our Mission...

The Kentucky Geological Survey at the University of Kentucky is a State-mandated organization whose mission is the collection, preservation, and dissemination of information about mineral and water resources and the geology of the Commonwealth. KGS has conducted research on the geology and mineral resources of Kentucky for more than 150 years, and has developed extensive public databases for oil and natural gas, coal, water, and industrial minerals that are used by thousands of citizens each year. The Survey's efforts have resulted in topographic and geologic map coverage for Kentucky that has not been matched by any other state in the Nation.

One of the major goals of the Kentucky Geological Survey is to make the results of basic and applied research easily accessible to the public. This is accomplished through the publication of both technical and nontechnical reports and maps, as well as providing information through open-file reports and public databases.

Introduction

The Kentucky Geological Survey (KGS) is a research and service unit in the University of Kentucky and shares with the University more than a century of service to the Commonwealth. The work of the Survey includes basic and applied research on Kentucky's geology and mineral resources and the compilation and dissemination of resulting data. In addition, KGS is engaged in a statewide cooperative program with the U.S. Geological Survey on a matching-funds basis for the continuing revision of topographic maps. Results of these programs are expressed in the various publications listed in this booklet.

In this publication list, Kentucky Geological Survey reports are listed serially, beginning with Series X. U.S.

Geological Survey reports dealing with Kentucky are listed by mineral commodity and principal subject. University of Kentucky Institute for Mining and Minerals Research publications are listed alphabetically, as are Gas Research Institute reports. Complete subject, geographic, and author indexes are included at the back of the booklet.

Only items still in print are listed in this publication. Please refer to KGS Open-File Report OF-99-03 for a list of out-of-print KGS publications from Series IX through XI. KGS Information Circular 2 (Series XI), "Bibliography of the Kentucky Geological Survey, 1839 through 1978," by Howard R. Schwalb and others, lists all KGS publications printed through 1978, including many out-of-print publications. Copies of most out-of-print publications are available for reference at a number of geology libraries, including the Geological Sciences Library at the University of Kentucky.

In addition to publications, the Kentucky Geological Survey has an extensive collection of open-file reports. This material, which includes most well records and a number of unpublished maps and reports, is available at the Survey's offices in the Mining and Mineral Resources Building on the University of Kentucky campus in Lexington. Data on about 170,000 wells include drillers' logs, electric and gamma ray-neutron logs, location plats, and plugging affidavits. Most of the earlier, out-of-print Kentucky Geological Survey reports are also available.

Samples from more than 17,000 wells and cores from approximately 2,500 wells are on file at the Survey's Well Sample and Core Library. The Survey does not lend out sample sets or cores.

Kentucky Geological Survey office hours are 8:00 a.m. to 4:30 p.m., Monday through Friday. The Office of Geologic Information and Publication Sales office are also open to the public 8:00 a.m. to 4:00 p.m.

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Publications may be purchased in the Publication Sales office on the first floor of the Mining and Mineral Resources Building on the University of Kentucky campus or may be ordered from:

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Serial reports of the Tenth, Eleventh, and Twelfth Surveys (Series X, 1958–78; Series XI, 1978–99; Series XII, 1999–present).

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- CR 6. Economic geology of Warren County, Kentucky, by Preston McGrain and D.G. Sutton, 1973, 28 p. **\$2.50**
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five copies of any one quadrangle map.

15-Minute Quadrangle Series (Scale 1:62,500)

This series was initiated in the early 1900's. Total coverage for
Kentucky was never completed. Scale 1:62,500 or 1 in.=1
mi.=approx. 239 sq. mi. coverage.

Maps are \$2.50 each.

Adolphus (1931)	Cave in Rock (1958)
Alexandria (1931)	Golconda (1958)
Alton (1950)	Hickman (1954)
Barthell (1934)	Kosmosdale (1950)
Bayouville (1955)	Mammoth Cave (1922/1955*)
Beattyville (1892/1932)	New Concord (1955)
Benton (1955)	

*Shaded relief version

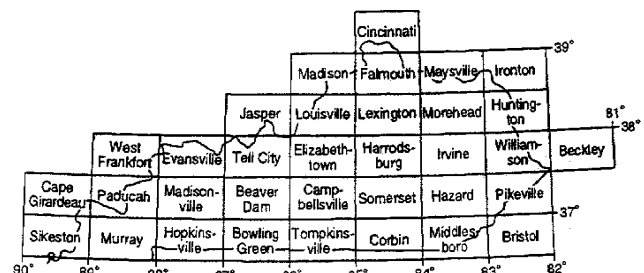
Other quadrangles available in large-format black and white. Please
call to find out if map is available for your area.

30 x 60 Minute Quadrangle Series (Scale 1:100,000)

Maps are either topographic (T) (contours are in meters) or
planimetric (P). Each map covers 30' latitude by 60' longitude.

Each map is available for \$7.00, plus mailing charge as indicated
on page 2. Order by quadrangle name. The following 32 maps are
needed for complete state coverage (see index map on next page).

Beaver Dam (T)	Harrodsburg (T)	Middlesboro (T)
Beckley (T)	Hopkinsville (T)	Morehead (T)
Bowling Green (T)	Huntington (T)	Murray (T)
Bristol (T)	Ironton (T)	Paducah (T)
Campbellsville (T)	Jasper (P)	Sikeston (P)
Cincinnati (T)	Lexington (T)	Tell City (T)
Corbin (T)	Louisville (T)	Tompkinsville (P)
Elizabethtown (T)	Madison (T)	West Frankfort (P)
Evansville (T)	Madisonville (T)	Williamson (T)
Falmouth (T)	Maysville (T)	



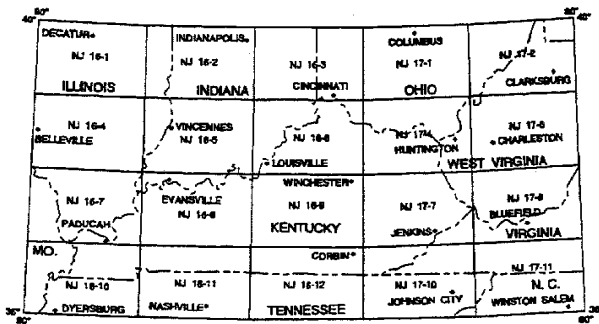
Index to 30 x 60 minute quadrangle maps.

1 x 2 Degree Quadrangle Series (1:250,000 Scale)

Scale 1:250,000 or 1 in.=approx. 4 mi. Contours in feet. Each map covers 1° latitude by 2° longitude.

Each map is available for \$7.00, plus mailing charge as indicated on page 2. Order by quadrangle name. The following 13 maps are needed for complete State coverage (see index map).

Bluefield	Johnson City
Cincinnati	Louisville
Corbin	Nashville
Dyersburg	Paducah
Evansville	Vincennes
Huntington	Winchester
Jenkins	



Index to 1 x 2 degree quadrangle maps.

15-Minute (1:50,000-Scale) Metric (DMA) Topographic Maps

The following 15-minute quadrangle maps are available for \$3.00 each.

- Ekron (SE corner: 37°45' lat., 86° long.)
- Hopkinsville West (SE corner: 36°45' lat., 87°30' long.)
- Shepherdsville (SE corner: 37°45' lat., 85°30' long.)
- Vine Grove (SE corner: 37°45' lat., 85°45' long.)

Metric County Maps (1:50,000-Scale)

The following county maps are available for \$5.00 each.

- Boone
- Campbell
- Jefferson
- Kenton
- McCracken

Clinometric (Slope) County Maps

Published by the U.S. Geological Survey in 1982, these special limited edition maps are available for \$4.00 each. Scale is 1:50,000, and contour interval is 10 m. They show slope zones in 5 percent intervals (unedited), which are generated by a semiautomated photomechanical process that translates distance between adjacent contours into percentage of slope.

- Boone
- Kenton
- Jefferson
- Campbell

Surface Management Maps

The following planimetric maps, scale 1:100,000, showing agency ownership, are available for \$5.00 each. Each map covers 30' latitude by 60' longitude.

Bureau of Land Management Surface Management Status

Hazard (NE corner: 37°30' lat., 83°00' long.)
Middlesboro (Ky.-Tenn.-Va.) (NE corner: 37°00' lat., 83°00' long.)

Bureau of Land Management Surface-Minerals Management Status

Hazard (NE corner: 37°00' lat., 83°00' long.)
Middlesboro (Ky.-Tenn.-Va.) (NE corner: 37°30' lat., 83°00' long.)

Satellite Image Map of Kentucky

1972-76 Landsat 4 and 5 imagery, band 7, scale 1:1,000,000, composite map is available for \$3.00.

Geologic Quadrangle Maps**(7.5-Minute Quadrangles, Scale 1:24,000)**

Published by the U.S. Geological Survey as a result of the cooperative Kentucky Geological Survey-U.S. Geological Survey geologic mapping program, which was completed in 1978. Each map covers approximately 59 sq. mi. Locations of individual quadrangles are shown on "Index to Geologic Maps for Kentucky," available free on request.

All geologic quadrangle maps are \$7.00 each, plus mailing charge as indicated on page 2. Order by quadrangle name only.

Bedrock Topography Maps**(7.5-Minute Quadrangles, Scale 1:24,000)**

Prepared as part of the Kentucky Geological Survey-U.S. Geological Survey cooperative program, and published by the U.S. Geological Survey as part of their Miscellaneous Geologic Investigations series. These maps are prepared for areas where the bedrock is extensively covered by alluvium. Topography of the buried bedrock surface is shown by contour lines based on available subsurface data; the locations of ancient stream courses are also indicated. Bedrock topography maps are printed on semitransparent paper suitable as an overlay for the geologic quadrangle maps. Location and availability of quadrangles are shown on "Index to Geologic Maps for Kentucky," available free on request.

All bedrock topography maps are \$2.00 each, plus mailing charge as indicated on page 2.

Beech Grove (Webster, Hopkins, and McLean Cos.), by R.L. Norris, 1975, Map I-887

Calhoun (McLean and Hopkins Cos.), by A.E. Smith, 1975, Map I-906

Curdsville (Daviess, McLean, and Henderson Cos.), by R.L. Norris, 1973, Map I-765

Delaware (Henderson, McLean, and Daviess Cos.), by R.L. Norris, 1973, Map I-825

Evansville South (Henderson Co.), by A.E. Smith and T.E. Ball, 1973

Glenville (McLean and Daviess Cos.), by A.E. Smith, 1973, Map I-760

Grove Center and Shawneetown (Union Co.), by A.E. Smith, 1976, Map I-954

Henderson (Henderson Co.), by T.E. Ball, 1973, Map I-812

Livermore (McLean and Muhlenberg Cos.), by A.E. Smith and R.E. Sergeant, 1978, Map I-1085.

Newburgh and Yankeetown (Henderson and Daviess Cos.), by R.L. Norris, 1973, Map I-803

- Owensboro West (Daviness Co.), by G.L. Carpenter, Jr., 1971, Map I-633
- Panther (Daviness Co.), by A.E. Smith, 1971, Map I-598
- Reed (Henderson and Daviness Cos.), by R.L. Norris, 1973, Map I-802
- Sacramento (McLean, Hopkins, and Muhlenberg Cos.), by A.E. Smith, 1977, Map I-1036
- Smith Mills (Henderson and Union Cos.), by R.L. Norris, 1975, Map I-889
- Spottsville (Henderson Co.), by R.L. Norris, 1973, Map I-814
- Sutherland (Daviness Co.), by A.E. Smith, 1969, Map I-596
- Uniontown and Wabash Island (Henderson and Union Cos.), by A.E. Smith and R.L. Norris, 1976, Map I-938
- West Franklin, Caborn, and Mount Vernon (Henderson and Union Cos.), by R.L. Norris, 1974, Map I-864
- Wilson (Henderson Co.), by A.E. Smith and T.E. Ball, 1974, Map I-859

National Wetlands Inventory

(7.5-Minute Quadrangles, Scale 1:24,000)

Published by the U.S. Fish and Wildlife Service, using the U.S. Geological Survey 7.5-minute topographic quadrangle series as a base.

Each map is available for \$5.00, plus mailing charge as indicated on page 2. Order by quadrangle name (see "Status of Topographic Mapping Revision Program in Kentucky," available free on request).

Miscellaneous Field Studies

Estimated maximum regional seismic intensities associated with an ensemble of great earthquakes that might occur along the New Madrid Seismic Zone, east-central United States, by S.T. Algermissen and M.G. Hopper, 1984, USGS Map MF-1712 **\$1.75**

▲Map showing low flows, average flows, and drainage areas in Kentucky River Area Development District, Kentucky, by R.W. Davis, 1978, USGS Map MF-865-H (scale 1:250,000) **\$4.00**

▲Map showing quality of ground water in Kentucky River Area Development District, Kentucky, by R.W. Davis, 1978, USGS Map MF-865-E (scale 1:250,000) **\$4.00**

▲Map showing sulfate in selected streams in Kentucky River Area Development District, Kentucky, by R.W. Davis, 1978, USGS Map MF-865-F (scale 1:250,000) **\$4.00**

The Wilderness Act (Public Law 88-577, September 3, 1964) and related acts require the U.S. Geological Survey to survey certain areas on Federal lands to determine their mineral-resource potential.

Beaver Creek Wilderness Study, Daniel Boone National Forest

Geologic map of the Beaver Creek Wilderness, McCreary County, Kentucky, by K.J. Englund and N.K. Teaford, 1981, USGS Map MF-1348-A (scale 1:50,000) **\$1.75**

Geochemical survey of the Beaver Creek Wilderness, McCreary County, Kentucky, by A.E. Grosz and D.F. Siems, 1982, USGS Map MF-1348-B (scale 1:50,000) **\$1.75**

Mineral resource potential maps of the Beaver Creek Wilderness, McCreary County, Kentucky, by K.J. Englund, P.L. Johnson, R.W. Hammack, and R.B. Ross, Jr., 1983, USGS Map MF-1348-D **\$1.75**

Troublesome Roadless Area, McCreary County, Kentucky

Geochemical survey of the Troublesome Roadless Area, McCreary County, Kentucky, by A.E. Grosz and D.F. Siems, 1987, USGS Map MF-1341-B (scale 1:50,000) **\$1.75**

Mineral resource potential map of the Troublesome Roadless Area, McCreary County, Kentucky, by W.R. Sigleo and others, USGS Map MF-1341-C (scale 1:50,000) **\$1.75**

Gravity and Magnetic Maps

Bouguer gravity map of Kentucky: Western sheet, by G.R. Keller and others, 1978 (scale 1:250,000) **\$3.75**

Residual total intensity aeromagnetic map of Kentucky: Central sheet, by R.W. Johnson, Jr., and others, 1980 (scale 1:250,000) **\$3.75**

Residual total intensity aeromagnetic map of Kentucky: Eastern sheet, by R.W. Johnson, Jr., and others, 1980 (scale 1:250,000) **\$3.75**

Residual total intensity aeromagnetic map of Kentucky: Western sheet, by R.W. Johnson, Jr., and others, 1978 (scale 1:250,000) **\$3.75**

Simple Bouguer gravity map of Kentucky, by J.S. Watkins, 1963, USGS Map GP-421 **\$3.00**

Structural geology, Bouguer gravity, and aeromagnetic intensity for a portion of central Kentucky, northeast sheet (includes portions of Bourbon, Fayette, and Clark Counties), by D.F.B. Black and others, 1977 (scale 1:48,000) **\$2.50**

Structural geology, Bouguer gravity, and aeromagnetic intensity for a portion of central Kentucky, northwest sheet (includes portions of Franklin, Shelby, Anderson, and Woodford Counties), by D.F.B. Black and others, 1977 (scale 1:48,000) **\$2.50**

Structural geology, Bouguer gravity, and aeromagnetic intensity for a portion of central Kentucky, southeast sheet (includes portions of Madison, Garrard, Estill, and Jessamine Counties), by D.F.B. Black and others, 1977 (scale 1:48,000) **\$2.50**

Structural geology, Bouguer gravity, and aeromagnetic intensity for a portion of central Kentucky, southwest sheet (includes portions of Washington, Mercer, Marion, Boyle, and Lincoln Counties), by D.F.B. Black and others, 1977 (scale 1:48,000) **\$2.50**

Isopach and Structure Maps

☞Contour map of the base of the Pennsylvanian System, eastern Kentucky, by T.D. Coskren and C.L. Rice, 1979, USGS Map MF-1100 **\$5.00**

☞Structure and isopach map of the New Albany-Chattanooga-Ohio Shale (Devonian and Mississippian) in Kentucky: Central sheet, by P.E. Potter, 1978 (scale 1:250,000) **\$3.75**

Structure and isopach map of the New Albany-Chattanooga-Ohio Shale (Devonian and Mississippian) in Kentucky: Eastern sheet, by L.P. Fulton, 1979 (scale 1:250,000) **\$3.75**

Structure and isopach map of the New Albany-Chattanooga-Ohio Shale (Devonian and Mississippian) in Kentucky: Western

▲Published in cooperation with the Appalachian Regional Commission.

☞Photocopy only.

sheet, by H.R. Schwalb and P.E. Potter, 1978 (scale 1:250,000) **\$3.75**

Morgantown Energy Technology Center–Eastern Gas Shales Project Series

The maps in this series were constructed as part of a study to characterize the eastern black shales.

Isopach map of highly radioactive black shale in the Three Lick Bed and Huron Shale Member (units 2, 3, 4, and 5) in Kentucky, by S.B. Dillman and F.R. Ettensohn, 1981, METC/EGSP series no. 505 (scale 1:370,000) **\$2.50**

Isopach map of the Devonian black-shale sequence (New Albany-Chattanooga-Ohio Shale) in eastern Kentucky, by S.B. Dillman and F.R. Ettensohn, 1980, METC/EGSP series no. 515 (scale 1:370,000) **\$2.50**

Isopach map of the Rhinestreet Shale (unit 7) in eastern Kentucky, by S.B. Dillman and F.R. Ettensohn, 1980, METC/EGSP series no. 516 (scale 1:370,000) **\$2.50**

Isopach map of the Upper Olentangy Shale (unit 6) in eastern Kentucky, by S.B. Dillman and F.R. Ettensohn, 1980, METC/EGSP series no. 517 (scale 1:370,000) **\$2.50**

Isopach map of the Lower Huron Shale (unit 5) of the Ohio Shale in eastern Kentucky, by S.B. Dillman and F.R. Ettensohn, 1980, METC/EGSP series no. 518 (scale 1:370,000) **\$2.50**

Isopach map of the Middle Huron Shale Member (unit 4) of the Ohio Shale in eastern Kentucky, by S.B. Dillman and F.R. Ettensohn, 1980, METC/EGSP series no. 519 (scale 1:370,000) **\$2.50**

Isopach map of the Upper Huron Shale Member (unit 3) of the Ohio Shale in eastern Kentucky, by S.B. Dillman and F.R. Ettensohn, 1980, METC/EGSP series no. 520 (scale 1:370,000) **\$2.50**

Isopach map of the Three Lick Bed (unit 2) of the Ohio Shale in eastern Kentucky, by S.B. Dillman and F.R. Ettensohn, 1980, METC/EGSP series no. 521 (scale 1:370,000) **\$2.50**

Isopach map of the Cleveland Shale Member (unit 1) of the Ohio Shale in eastern Kentucky, by S.B. Dillman and F.R. Ettensohn, 1980, METC/EGSP series no. 522 (scale 1:370,000) **\$2.50**

Structure contour map on the base of the Devonian black-shale sequence (New Albany-Chattanooga-Ohio Shale) in eastern Kentucky, by S.B. Dillman and F.R. Ettensohn, 1980, METC/EGSP series no. 507 (Scale 1:370,000) **\$2.50**

Structure contour map on the base of the West Falls Formation (Rhinestreet Shale, unit 7) in eastern Kentucky, by S.B. Dillman and F.R. Ettensohn, 1980, METC/EGSP series no. 508 (Scale 1:370,000) **\$2.50**

Structure contour map on the base of the Java Formation/Olentangy Shale (unit 6) in eastern Kentucky, by S.B. Dillman and F.R. Ettensohn, 1980, METC/EGSP series no. 509 (Scale 1:370,000) **\$2.50**

Structure contour map on the base of the Lower Huron Shale Member (unit 5) of the Ohio Shale in eastern Kentucky, by S.B. Dillman and F.R. Ettensohn, 1980, METC/EGSP series no. 510 (Scale 1:370,000) **\$2.50**

Structure contour map on the base of the Middle Huron Shale Member (unit 4) of the Ohio Shale in eastern Kentucky, by S.B. Dillman and F.R. Ettensohn, 1980, METC/EGSP series no. 511 (Scale 1:370,000) **\$2.50**

Structure contour map on the base of the Upper Huron Shale Member (unit 3) of the Ohio Shale in eastern Kentucky, by

S.B. Dillman and F.R. Ettensohn, 1980, METC/EGSP series no. 512 (Scale 1:370,000) **\$2.50**

Structure contour map on the base of the Three Lick Bed (unit 2) of the Ohio Shale in eastern Kentucky, by S.B. Dillman and F.R. Ettensohn, 1980, METC/EGSP series no. 513 (Scale 1:370,000) **\$2.50**

Structure contour map on the base of the Cleveland Shale Member (unit 1) of the Ohio Shale in eastern Kentucky, by S.B. Dillman and F.R. Ettensohn, 1980, METC/EGSP series no. 514 (Scale 1:370,000) **\$2.50**

Map showing structure on top of the Maquoketa Group (Ordovician), by J.L. Bassett and N.R. Hasenmueller, 1980, METC/EGSP series no. 812 (Scale 1:370,000) **\$2.50**

Isopach map of the Blocher Member of the New Albany Shale, western Kentucky, by Howard Schwalb and Ronald Norris, 1980, METC/EGSP series no. 902 (Scale 1:370,000) **\$2.50**

Isopach map of the Sweetland Creek Member of the New Albany Shale, western Kentucky, by Howard Schwalb and Ronald Norris, 1980, METC/EGSP series no. 903 (Scale 1:370,000) **\$2.50**

Isopach map of the Grassy Creek Member of the New Albany Shale, western Kentucky, by Howard Schwalb and Ronald Norris, 1980, METC/EGSP series no. 905 **\$2.50**

Occurrence of natural gas in the New Albany Shale, western Kentucky, by Howard Schwalb and Ronald Norris, 1980, METC/EGSP series no. 906 **\$2.50**

Structure map on the base of the New Albany Shale, western Kentucky, by Howard Schwalb and Ronald Norris, 1980, METC/EGSP series no. 907 (scale 1:370,000) **\$2.50**

Structure of the New Albany-Chattanooga-Ohio Shale (Devonian and Mississippian) in Kentucky, by P.E. Potter and others, 1982 (scale 1:1,000,000) **\$1.25**

Linear Features Maps

Blue-line copies of the following 1:250,000-scale maps are available for \$4.00 each. Each sheet covers an area 1 degree by 2 degrees; maps are accompanied by a brief explanatory text.

Corbin	Johnson City
Dyersburg	Louisville
Evansville	Paducah
Huntington	Nashville
Jenkins	Winchester

Flood Maps

Floods on Levisa Fork in vicinity of Paintsville, Kentucky, by C.H. Hannum, 1969, USGS Hydrologic Atlas HA-328 **\$3.75**

Floods on Licking River in vicinity of Salyersville, Kentucky, by C.H. Hannum, 1969, USGS Hydrologic Atlas HA-329 **\$3.75**

Floods on Triplett Creek in vicinity of Morehead, Kentucky, by C.H. Hannum, 1969, USGS Hydrologic Atlas HA-342 **\$4.00**

Flood-Prone-Area Maps

Flood-prone-area maps are available for many parts of Kentucky. They consist of 7.5-minute topographic bases on which areas that may be subject to flooding have been outlined. Inquire about the availability of individual maps. Each map is available at a cost of \$1.50, plus mailing charge as indicated on page 2.

Flood Insurance Rate Maps (FIRM's) may be ordered from Federal Emergency Management Agency (FEMA), Flood Map Distribution Center, P.O. Box 1038, Jessup, MD 20794, or phone 1-800-358-9616.

Miscellaneous Maps

Earthquake hazards map showing areas of relative potential for shaking and for liquefaction in the states of Illinois, Indiana, Missouri, Kentucky, Tennessee, Arkansas, Mississippi, published by Central United States Earthquake Consortium, 1995, scale 1:2,000,000 **\$2.50**

⌘ Electric transmission in Kentucky, published by Kentucky Department of Commerce, 1976 (scale 1 in.=approx. 20 mi.) **\$1.00**

⌘ Gas transmission in Kentucky, published by Kentucky Department of Commerce, 1978 (scale 1 in.=approx. 20 mi.) **\$1.00**

⌘ General county highway maps, prepared by the Kentucky Transportation Cabinet, Department of Highways, scale 1:62,500, 1991 (scale 1"=1 mile) **\$5.00 per county**

Generalized geologic bedrock conditions as related to solid waste landfills in Kentucky, by M.C. Noger, 1991 (scale 1:500,000) **\$6.00**

Geologic map of the Hazard [30 x 60 minute] quadrangle, by C. Rice, 1985, USGS Map I-1727-A **\$4.00**

Groundwater sensitivity regions of Kentucky, by Kentucky Department for Environmental Protection, Division of Water, Groundwater Branch, 1994, scale 1:500,000 **\$7.00**

Lexington-Bluegrass area city map, by Rand McNally **\$2.95**

Map showing foundation and excavation conditions in the Burtonville Quadrangle (7.5-min.; parts of Fleming and Lewis Cos.), by Ernest Dobrovolsky and R.H. Morris, 1965, USGS Map I-460 **\$3.50**

Types of damage that could result from a great earthquake in the New Madrid, Missouri, seismic zone, by M.G. Hopper and S.T. Algermissen, 1984 **\$1.50**

Landslides and Related Features

These 7.5-minute quadrangle maps depict generalized slope-stability conditions as they exist at the time of field checking (1977–1979). Mapped units depict the dominant stability conditions within delin-

eated areas. These are preliminary maps and are suited for general planning purposes only. Because of the generally poor quality of the original reproducible materials, some of the linework (especially the base) on copies is indistinct and may be difficult to read. Landslide maps are available for most of southeastern and south-central Kentucky. Please contact the Publications Sales office concerning the availability of specific quadrangles. Each map is available at a cost of **\$4.00**, plus mailing charge as indicated on page 2.

Cross Sections

Correlation of United Fuel Gas Co. deep well in Bell County, Kentucky, to measured surface section from Cumberland Gap area, by K.J. Englund and others, 1961 **25¢**

East–west cross sections, north and south of Rough Creek Fault System, by Howard Schwalb and Ronald Norris, 1980, METC/EGSP series no. 900 **\$2.50**

North–south cross section, west side of [Rough Creek Fault System] area, by Howard Schwalb and Ronald Norris, 1980, METC/EGSP series no. 901 **\$2.50**

North–south cross section, east side of [Rough Creek Fault System] area, by Howard Schwalb and Ronald Norris, 1980, METC/EGSP series no. 904 **\$2.50**

⌘ *Phanerozoic cross section along 88 degrees longitude, by W.H. Anderson, 1985 **\$5.50**

Illinois Basin Consortium (Illinois, Indiana, and Kentucky Geological Surveys) Cross Section Project

⌘ West–east (Ozark Dome, Missouri, to Rough Creek Graben, western Kentucky), by M.L. Sargent, J.D. Treworgy, and S.T. Whitaker, 1 sheet **\$2.00**

⌘ Northwest–southeast (Sparta Shelf, southern Illinois, to Rough Creek Graben, western Kentucky), by S.T. Whitaker, J.D. Treworgy, and M.L. Sargent, 1 sheet **\$2.00**

⌘ Southwest–northeast (Southeastern flank of the Ozark Dome, Missouri, to southern Illinois), by J.D. Treworgy, S.T. Whitaker, and M.L. Sargent, 1 sheet **\$2.00**

⌘ 6 o'clock (Wayne County, Illinois, to Gibson County, Tennessee), by S.T. Whitaker, J.D. Treworgy, and M.C. Noger, 1 sheet **\$4.00**

⌘ 11:30 o'clock (Wayne County, Illinois, to Stephenson County, Illinois), by J.D. Treworgy, S.T. Whitaker, and Z. Lasemi, 1 sheet **\$4.00**

⌘ Photocopy only.

⌘ Photocopy only.

*Printed in cooperation with the Kentucky River Authority.

Maps Listed by Commodity

Clay

Structure-contour map of the Olive Hill Clay Bed in northeastern Kentucky, by J.W. Hosterman, 1963, USGS Map MF-261 **\$1.75**

Coal

Campton Quadrangle (7.5-min.; parts of Wolfe, Lee, and Breathitt Cos.; coal resources and structure), by R.P. Briggs, 1957, USGS Map C-42 **\$3.50**

Correlation of coal beds, coal zones, and key stratigraphic units in the Pennsylvanian rocks of eastern Kentucky, by C.L. Rice and J.K. Hiatt, 1994, USGS Map MF-2275 **\$3.00**

Cornettsville Quadrangle (15-min.; covering Hazard South, Vicco, Leatherwood, and Tilford 7.5-min. quadrangles; parts of Perry, Knott, Letcher, Harlan, and Leslie Cos.; coal resources and structure), by J.E. Johnston and others, 1955, USGS Map C-22 **\$6.50**

Fluorspar

Geologic map of the Western Kentucky Fluorspar District, by Stuart Weller and A.H. Sutton, 1951, USGS Map MF-2 **\$4.00**

Ground Water

“HA” refers to U.S. Geological Survey Hydrologic Atlas series, published cooperatively with the Kentucky Geological Survey; these atlases include composite geologic maps.

Statewide.

Fresh-saline water interface map of Kentucky, by H.T. Hopkins, 1966 **\$1.25**

Hydrologic unit map of Kentucky, 1974 (scale 1:500,000) **\$3.75**

Blue Grass Region.

Bourbon County, by D.K. Hamilton and E.M. O’Connell, 1948 **75¢**

Fayette County, by D.K. Hamilton and others, 1948 **75¢**

Jessamine County, by D.K. Hamilton and others, 1948 **75¢**

Scott County, by D.K. Hamilton and E.M. O’Connell, 1948 **75¢**

HA-15. Boone, Campbell, Grant, Kenton, and Pendleton Counties, by W.N. Palmquist, Jr., and F.R. Hall, 1960 **\$10.25**

HA-16. Bracken, Harrison, Mason, Nicholas, and Robertson Counties, by W.N. Palmquist, Jr., and F.R. Hall, 1960 **\$10.25**

HA-17. Lewis and Rowan Counties, by W.N. Palmquist, Jr., and F.R. Hall, 1960 **\$10.25**

HA-18. Bath, Fleming, and Montgomery Counties, by F.R. Hall and W.N. Palmquist, Jr. **\$10.25**

HA-19. Clark, Estill, Madison, and Powell Counties, by F.R. Hall and W.N. Palmquist, Jr., 1960 **\$10.25**

HA-20. Boyle, Garrard, Lincoln, and Mercer Counties, by W.N. Palmquist, Jr., and F.R. Hall **\$10.25**

HA-21. Marion, Nelson, and Washington Counties, by F.R. Hall and W.N. Palmquist, Jr., 1960 **\$10.25**

HA-22. Bullitt, Jefferson, and Oldham Counties, by W.N. Palmquist, Jr., and F.R. Hall, 1960 **\$10.25**

HA-23. Carroll, Gallatin, Henry, Owen, and Trimble Counties, by F.R. Hall and W.N. Palmquist, Jr., 1960 **\$10.25**

HA-24. Anderson, Franklin, Shelby, Spencer, and Woodford Counties, by F.R. Hall and W.N. Palmquist, Jr., 1960 **\$10.25**

HA-25. Bourbon, Fayette, Jessamine, and Scott Counties, by W.N. Palmquist, Jr., and F.R. Hall, 1960 **\$10.25**

Western Kentucky Coal Field.

HA-26. Butler and Ohio Counties, by B.W. Maxwell and R.W. Devaul, 1962 **\$11.25**

HA-27. Daviess and Hancock Counties, by R.W. Devaul and B.W. Maxwell, 1962 **\$11.25**

HA-28. Union and Henderson Counties, by B.W. Maxwell and R.W. Devaul, 1962 **\$11.25**

HA-29. McLean and Muhlenberg Counties, by R.W. Devaul and B.W. Maxwell, 1962 **\$11.25**

HA-30. Hopkins and Webster Counties, by B.W. Maxwell and R.W. Devaul, 1962 **\$11.25**

Eastern Kentucky Coal Field.

HA-36. Breathitt, Floyd, Harlan, Knott, Letcher, Martin, Magoffin, Perry, and Pike Counties, by W.E. Price and others, 1962 **\$11.25**

HA-37. Boyd, Carter, Elliott, Greenup, Johnson, Lawrence, Lee, Menifee, Morgan, and Wolfe Counties, by W.E. Price, Jr., and others, 1962 **\$7.50**

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HA-32. Allen, Barren, Edmonson, Green, Hart, Logan, Metcalfe, Monroe, Simpson, and Warren Counties, by R.F. Brown and T.W. Lambert, 1962 **\$11.25**

HA-33. Breckinridge, Grayson, Hardin, Larue, and Meade Counties, by R.F. Brown and T.W. Lambert, 1963 **\$11.25**

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HA-13. Jackson Purchase Region (Ballard, Calloway, Carlisle, Fulton, Graves, Hickman, McCracken, and Marshall Cos.), by L.M. MacCary and T.W. Lambert, 1962 **\$7.25**

HA-92. Farmington Quadrangle (Graves Co.), by J.H. Morgan, 1964 **\$4.50**

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Statewide.

- ☒ Locations of wells that penetrated Cambrian or older units in Kentucky, by F.H. Walker, 1980 (scale 1:500,000) **\$10.00**
- Oil and gas map of Kentucky, sheet 1, western part, by H.R. Schwalb and others, 1971 (scale 1:250,000) **\$1.50**

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Oil and gas map of Kentucky, sheet 2, west-central part, by H.R. Schwalb and others, 1972 (scale 1:250,000) **\$3.00**

7.5-Minute Quadrangle Oil and Gas Base Maps.

Computer-generated base maps showing locations of wells by quadrangle for those wells on computer are available for \$35 each. For an additional \$5, a well list showing identifying and other pertinent data may be obtained. Order by specifying standard U.S. Geological Survey 7.5-minute quadrangle name. Locations of individual quadrangles are shown on "Index to Geologic Maps for Kentucky," available free on request. Contact Publication Sales for a count of the number of wells for each quadrangle.

Structural and Areal Maps

East Fork Quadrangle (7.5-min., scale 1:24,000; parts of Adair, Green, and Metcalfe Cos.; planimetric base, no structure), by R.C. Price and G.R. Dever, Jr., 1963 **\$1.25**

+Elkton Quadrangle (7.5-min.; part of Todd Co.; areal, with structural geology on top of the Paint Creek Formation), by H.W. Settle, 1952 **\$1.25**

Fort Knox and vicinity (geology of an area 15 min. X 30 min., covering parts of Breckinridge, Meade, Hardin, and Bullitt Cos. and Harrison Co., Ind.), by L.L. Ray and others, 1946, Army Map Service map **\$1.25**

⌘Golconda and Cave in Rock Quadrangles (15-min.; Ky. portions only; parts of Livingston, Crittenden, and Caldwell Cos.; fault structure), by Stuart Weller, 1925 **\$1.75**

Greenville Quadrangle (7.5-min., scale 1:24,000; part of Muhlenberg Co.; with structure on base of Vienna Limestone), by W.D. Rose, 1960 **\$1.25**

Halls Gap Quadrangle (7.5-min., scale 1:24,000; part of Lincoln Co.; with structure on base of New Albany Shale), by T.J. Crawford, 1962 **\$1.25**

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Irvine-Berea (structural geology on top of the Chattanooga Shale and oil and gas development of a region south of Irvine and Berea, covering parts of Estill, Jackson, Lee, Madison, and Rockcastle Cos.), by J.S. Hudnall and others, 1924; reprinted 1949 **\$1.25**

Madisonville West Quadrangle (7.5-min., scale 1:24,000; part of Hopkins Co.; with structure on base of Vienna Limestone), by W.D. Rose, 1964 **\$1.25**

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Paint Creek Uplift (structural geology on top of the Fire Clay coal and oil and gas development of an area covering parts of Floyd, Johnson, Magoffin, Morgan, Lawrence, and Elliott Cos.), by J.S. Hudnall and I.B. Browning, 1924; reprinted 1949 **\$2.00**

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A diskette that performs conversions between latitude/longitude and the Carter coordinate system (Nuttall, B.C., 1988, Carter coordinate conversion to latitude and longitude routines: Kentucky Geological Survey Open-File Report OF-88-08, 1 floppy diskette) is available for **\$12.50**. A sample program on the diskette accepts data entered on the keyboard or from a file and generates data on the computer screen or a file. The source code in Pascal provides for customizing and including user programs. The program is provided on MS-DOS, formatted, high-density 3.5" diskettes with documentation and sample data file. Order by open-file report number.

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<i>Log Length (feet)</i>	<i>Cost</i>
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Guidebooks for Geology Field Trips

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Other Geologic Reports

- The citizen's guide to geologic hazards, prepared by the American Institute of Professional Geologists, 1993, 134 p. **\$19.95**
- Coal resources fact book, vol. 1 of the Illinois Basin Coal Planning Assistance Project, U.S. Geological Survey, 1983, 323 p. **\$10.00**
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- Limestone and dolomite availability in the Ohio River Valley for sulfur sorbent use, with observations on obtaining reliable chemical analyses, by D.A. Stith, T.M. Berg, C.H. Ault, G.R. Dever Jr., J.M. Masters, S.W. Berkheiser Jr., C.M. Simard, and N.C. Hester, Ohio Division of Geological Survey Information Circular 59, 1997, 16 p. **\$2.00**
- The natural resources guide book, vol. 2 of the Illinois Basin Coal Planning Assistance Project, U.S. Geological Survey, 1983, 320 p. **\$10.00**
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\$10.00</p> <p>IBS 2. Gas potential of the New Albany Shale (Devonian and Mississippian) in the Illinois Basin, ed. by N.R.</p> | <p>Hasenmueller and J.B. Comer, 1994, 83 p., 7 plates
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| <p>The atlas of major Appalachian gas plays, ed. by J.B. Roen and B.J. Walker, 1996. 201 p. \$75.00</p> | <p>Reservoir data for “The Atlas of Major Appalachian Gas Plays,” in ASCII or Excel®, on 1.44 mb, 3.5-in. diskettes \$45.00</p> |
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U.S. Geological Survey Reports

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- Professional Paper 1298. Clay mineralogy of Devonian shales in the Appalachian Basin, by J.W. Hosterman and S.I. Whitlow, 1983, 31 p. **\$3.75**

Coal

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- Miscellaneous Field Studies Map MF-2275. (Replaces Map MF-1175) Revised correlation chart of coal beds, coal zones, and key stratigraphic units, Pennsylvanian rocks of eastern Kentucky, by C.L. Rice and J.K. Hiatt, 1994, 1 sheet **\$3.00**
- Professional Paper 507. Geology and coal reserves of the Kermit and Varney area, Kentucky (parts of Martin and Pike Cos.), by J.W. Huddle and K.J. Englund, 1966, 83 p. **\$12.00**

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- Bulletin 1258-A. Engineering geology of the Paducah East Quadrangle in Kentucky (McCracken and Livingston Cos.), by T.C. Nichols, Jr., 1969, 13 p. **\$4.50**

- Bulletin 1258-B. Engineering geology of the Paducah West and Metropolis Quadrangles in Kentucky (McCracken Co.), by W.I. Finch, 1968, 19 p. **\$6.00**
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Key to Abbreviations

KGS Publications

B	Bulletin
CR	County Report
IC	Information Circular
MCS	Map and Chart Series
R	Reprint
RI	Report of Investigations
SP	Special Publication
TS	Thesis Series

USGS Publications

USGS B	Bulletin
USGS HA	Hydrologic Atlas
USGS I	Miscellaneous Investigations Series
USGS MF	Miscellaneous Field Study
USGS PP	Professional Paper
USGS WSP	Water-Supply Paper

Other Abbreviations

AONGRC	Appalachian Oil and Natural Gas Research Consortium
GB	Guidebook
GRI	Gas Research Institute
IBS	Illinois Basin Study
IMMR	UK Institute for Mining and Minerals Research
OFR	Open-File Report
OGR	Other geologic report

Roman numerals in parentheses indicate KGS series.

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Burtonville 7.5-min. quadrangle, Misc. map

Butler, OFR USGS-13

Butler County, IC 11 (X), IC 7 (XI), RI 16 (X), SP 8 (X), SP 21 (X), USGS HA-26

C

Caborn 7.5-min. quadrangle, Bedrock topography map

Cairo 7.5-min. quadrangle, USGS HA-186

Caldwell County, Misc. KGS repts., OFR 78-25, OFR OF-84-07, Structural and areal map, USGS B 1012-E-F, USGS HA-34

Calhoun 7.5-min. quadrangle, Bedrock topography map

California, USGS PP 1126-A-J

Calloway County, CR 2 (X), IC 2 (X), USGS HA-13, USGS HA-93, USGS HA-112, USGS HA-113, USGS HA-115, USGS HA-116, USGS HA-118, USGS HA-124, USGS HA-158, USGS HA-160, USGS HA-165

Calvert City 7.5-min. quadrangle, IC 16 (X), USGS HA-155

Camp Nelson, MCS 1 (XI)

Campbell County, Topographic map, USGS HA-15, USGS HA-94, USGS HA-98

Campbellsville 30 X 60 min. quadrangle, MCS 17 (XI), Topographic map

Campton 7.5-min. quadrangle, USGS MAP C-42

- Canada**, SP 14 (X)
- Cannel City 7.5-min. quadrangle**, USGS B 1020-A
- Cape Girardeau 30 X 60 min. quadrangle**, Topographic map
- Carlisle County**, IC 2 (X), USGS HA-13, USGS HA-169, USGS HA-172, USGS HA-179, USGS HA-183, USGS HA-184, USGS HA-185
- Carroll**, RI 8 (XI)
- Carroll County**, RI 8 (XI), USGS HA-23, USGS HA-97
- Carrollton**, OFR USGS-11
- Carter Cave**, SP 12 (X)
- Carter Caves State Park**, SP 12 (XI)
- Carter County**, GRI, USGS B 1122-F, USGS HA-37
- Cascade Cave**, SP 12 (X)
- Casey County**, USGS HA-35
- Catlettsburg**, MCS 4 (XI)
- Cave in Rock 15-min. quadrangle**, Structural and areal map, Topographic map
- Cayce 7.5-min. quadrangle**, USGS HA-180
- Central Mississippi Valley**, USGS PP 1236
- Christian County**, OFR 78-25, Structural and areal map, USGS HA-34, USGS WSP 1328
- Cincinnati**, SP 22 (XI), USGS B 2059-B
- Cincinnati 30 X 60 min. quadrangle**, Topographic map
- Cincinnati Arch Province**, SP 18 (X)
- Cincinnati Arch region**, USGS PP 1066-N, USGS PP 1066-O
- Clark County**, Gravity and magnetic map, OFR OF-64-01, OFR OF-77-01, SP 8 (X), USGS HA-19
- Clay County**, GRI, OFR OF-57-01, RI 3 (XI), USGS HA-38
- Clinton 7.5-min. quadrangle**, USGS HA-175
- Clinton County**, GB 1978, IC 33 (XI), OFR OF-48-01, OFR OF-82-01, OFR OF-95-02, USGS HA-35
- Conway**, MCS 3 (XI)
- Corbin 30 X 60 min. quadrangle**, General Ky. map, Linear features map, MCS 22 (XI), Topographic map
- Cornettsville 15-min. quadrangle**, USGS MAP C-22
- Covington**, OFR USGS-13
- Crittenden County**, GB 1973, OFR OF-84-07, SP 22 (X), Structural and areal map, USGS B 1012-A-B, USGS B 1012-C-D, USGS B 1012-E-F, USGS B 1042-S, USGS B 1122-E, USGS HA-34, USGS HA-129
- Crowleys Ridge**, USGS PP 1538-A-C
- Crutchfield 7.5-min. quadrangle**, USGS HA-167
- Cuba 7.5-min. quadrangle**, USGS HA-161
- Cumberland County**, MCS 12 (XI), OFR OF-79-01, OFR OF-80-01, OFR OF-81-01, USGS HA-35
- Cumberland Escarpment**, SP 12 (XI), USGS B 1605-B
- Cumberland Falls State Park**, SP 11 (X)
- Cumberland Gap**, Cross section, GB 1989
- Cumberland Mountain**, GB 1989, RI 14 (X)
- Cumberland Saddle**, OFR OF-74-03
- Cumberland Valley**, B 5 (X)
- Curdsville 7.5-min. quadrangle**, Bedrock topography map
- D**
- Daniel Boone National Forest**, IC 12 (XI), USGS MF-1348-A, USGS MF-1348-B, USGS MF-1348-D
- Daviess County**, OFR OF-94-01, OFR OF-94-10, SP 4 (X), SP 8 (X), USGS HA-27, USGS HA-74, USGS HA-96, USGS HA-110
- Delaware 7.5-min. quadrangle**, Bedrock topography map
- Dexter 7.5-min. quadrangle**, USGS HA-93
- Dike**, USGS B 1122-E
- Dublin 7.5-min. quadrangle**, USGS HA-170
- Dyersburg 30 X 60 min. quadrangle**, General Ky. map, Linear features map, Topographic map
- E**
- East Fork 7.5-min. quadrangle**, Structural and areal map
- Eastern Interior Basin**. *See* **Illinois Basin**
- Eastern Kentucky Coal Field**, IC 13 (XI), IC 36 (XI), OFR OF-80-03, OFR OF-86-02, OFR OF-86-06, OFR OF-88-13, OFR OF-93-01, R 42 (XI), TS 5 (XI), TS 6 (XI), USGS PP 1151-G, USGS WSP 1607, USGS WSP 1867
- Eaton**, USGS B 1122-E
- Edmonson County**, IC 11 (X), IC 7 (XI), OFR OF-95-04, RI 21 (X), USGS HA-32
- Ekron 15-min. quadrangle**, Topographic map
- Elizabethtown**, OFR 79-53
- Elizabethtown 30 X 60 min. quadrangle**, Topographic map
- Elkhorn City**, GB 1967, IC 1 (X)
- Elkton 7.5-min. quadrangle**, Structural and areal map
- Elliott County**, GRI, Structural and areal map, TS 2 (XI), USGS B 1122-F, USGS HA-37, USGS WSP 1867
- Elva 7.5-min. quadrangle**, USGS HA-117
- Estill County**, Gravity and magnetic map, SP 8 (X), Structural and areal map, USGS HA-19
- Evansville 30 X 60 min. quadrangle**, General Ky. map, Linear features map, MCS 14 (XI), Topographic map
- Evansville South 7.5-min. quadrangle**, Bedrock topography map
- Ewing 7.5-min. quadrangle**, USGS B 1142-B
- F**
- Fairdealing 7.5-min. quadrangle**, USGS HA-156
- Falls of the Ohio**, GB 1994, SP 19 (XI)
- Falmouth 30 X 60 min. quadrangle**, Topographic map
- Fancy Farm 7.5-min. quadrangle**, USGS HA-169
- Farmers**, MCS 4 (XI)
- Farmington 7.5-min. quadrangle**, USGS HA-92
- Fayette County**, Gravity and magnetic map, IC 4 (XI), OFR USGS-06, OGR, USGS HA-25, USGS hydrologic atlas
- Fleming County**, Misc. map, OFR 79-1329, USGS HA-18
- Floyd County**, GRI, Structural and areal map, USGS HA-36, USGS WSP 1359
- Fort Knox**, Structural and areal map
- Frankfort**, OFR 85-4052, OFR USGS-11
- Franklin County**, Gravity and magnetic map, USGS HA-24
- Fulton 7.5-min. quadrangle**, USGS HA-167
- Fulton County**, GB 1984, USGS HA-13, USGS HA-162, USGS HA-178, USGS HA-180, USGS HA-181, USGS HA-182
- G**
- Gallatin County**, RI 8 (XI), USGS HA-23, USGS HA-97, USGS HA-98
- Garrard County**, Gravity and magnetic map, USGS HA-20
- Garrison**, GB 1991
- Glenville 7.5-min. quadrangle**, Bedrock topography map
- Golconda 15-min. quadrangle**, Structural and areal map, Topographic map
- Goose Creek**, RI 3 (XI)
- Grand Canyon**, USGS PP 1126-A-J

- Grannies Branch**, RI 3 (XI)
- Grant County**, USGS HA-15
- Graves County**, USGS HA-13, USGS HA-92, USGS HA-112, USGS HA-113, USGS HA-116, USGS HA-117, USGS HA-125, USGS HA-157, USGS HA-161, USGS HA-162, USGS HA-163, USGS HA-164, USGS HA-166, USGS HA-169, USGS HA-170, USGS HA-172, USGS HA-174, USGS WSP 1417
- Grayson County**, GB 1973, IC 11 (X), IC 7 (XI), USGS HA-33
- Green County**, SP 3 (XI), Structural and areal map, USGS HA-32
- Green River**, OFR 53-73, OFR USGS-09
- Green River Basin**, OFR USGS-08, RI 2 (X)
- Greenup County**, GRI, USGS HA-37, USGS HA-73, USGS HA-75
- Greenville 7.5-min. quadrangle**, Structural and areal map
- Grove Center 7.5-min. quadrangle**, Bedrock topography map
- H**
- Haldeman 7.5-min. quadrangle**, USGS B 1122-F
- Halls Gap 7.5-min. quadrangle**, Structural and areal map
- Hamlin 7.5-min. quadrangle**, USGS HA-165
- Hancock County**, CR 4 (X), USGS HA-27, USGS HA-72, USGS HA-74
- Handshoe 7.5-min. quadrangle**, IC 43 (XI)
- Hanson 7.5-min. quadrangle**, Structural and areal map
- Hardin 7.5-min. quadrangle**, USGS HA-115
- Hardin County**, Structural and areal map, USGS HA-33, USGS HA-95
- Harlan County**, GRI, OFR OF-57-01, OFR OF-83-05, OFR USGS-04, USGS HA-36, USGS MAP C-22
- Harrison County**, USGS HA-16
- Harrodsburg 30 X 60 min. quadrangle**, MCS 16 (XI), Topographic map
- Hart County**, IC 5 (X), RI 21 (X), USGS HA-32
- Hazard**, MCS 2 (XI)
- Hazard 30 X 60 min. quadrangle**, MCS 15 (XI), Topographic map, USGS I-1727-A
- Hazard District**, IC 19 (XI), IMMR, OFR OF-86-05
- Hazard South 7.5-min. quadrangle**, USGS MAP C-22
- Hazel 7.5-min. quadrangle**, USGS HA-124
- Heath 7.5-min. quadrangle**, USGS HA-168
- Henderson**, USGS WSP 1356
- Henderson 7.5-min. quadrangle**, Bedrock topography map
- Henderson County**, IC 1 (XI), USGS HA-28, USGS HA-91, USGS HA-96, USGS HA-129, USGS WSP 1356
- Henry County**, USGS HA-23
- Hickman 15-min. quadrangle**, Topographic map
- Hickman 7.5-min. quadrangle**, USGS HA-181
- Hickman County**, OFR OF-93-06, USGS HA-13, USGS HA-162, USGS HA-167, USGS HA-169, USGS HA-170, USGS HA-175, USGS HA-179, USGS HA-180, USGS HA-182, USGS HA-183
- Hickory 7.5-min. quadrangle**, USGS HA-163
- Hico 7.5-min. quadrangle**, USGS HA-158
- Hobbs**, OFR OF-63-03
- Hopkins County**, GB 1969, OFR OF-94-01, SP 1 (X), SP 8 (X), Structural and areal map, USGS HA-30
- Hopkinsville 30 X 60 min. quadrangle**, Topographic map
- Hopkinsville 7.5-min. quadrangle**, Structural and areal map, USGS WSP 1328
- Hopkinsville West 15-min. quadrangle**, Topographic map
- Hoskinson 7.5-min. quadrangle**, OFR OF-90-02
- Hubbard Lake 7.5-min. quadrangle**, USGS HA-178
- Huntington 30 X 60 min. quadrangle**, General Ky. map, Linear features map, Topographic map
- I**
- Illinois**, Cross section, GB 1989, IBS 1, Misc. map, OFR 77-228, OFR 77-230, OFR OF-94-12, OFR OF-94-14, OFR OF-97-01, SP 7 (XI), TS 4 (X), USGS HA-177, USGS poster
- Illinois Basin**, IBS 2, IBS 3, IC 14 (XI), OFR OF-67-01, OFR OF-88-06, OFR OF-94-02, OFR OF-94-10, OFR OF-94-12, OGR, R 26 (X), SP 14 (X), SP 2 (XI), SP 3 (XI), SP 5 (XI), SP 6 (XI), SP 9 (XI), SP 11 (XI), TS 3 (XI), USGS PP 1451
- Illinois-Kentucky Fluorspar District**, SP 22 (X)
- Indiana**, GB 1989, GB 1994, IBS 1, MCS 5 (XI), Misc. map, OFR OF-76-04, OFR OF-94-03, OFR OF-94-12, OFR OF-94-14, OFR USGS-32, RI 11 (X), SP 18 (X), SP 3 (XI), SP 7 (XI), SP 11 (XI), Structural and areal map, TS 4 (X), USGS poster, USGS PP 488, USGS PP 1007
- Interstate Highway 64**, MCS 4 (XI)
- Interstate Highway 65**, SP 17 (XI)
- Interstate Highway 71**, SP 17 (XI)
- Interstate Highway 75**, MCS 3 (XI), SP 16 (XI)
- Ironton 30 X 60 min. quadrangle**, Topographic map
- Irvine**, Structural and areal map
- Irvine 30 X 60 min. quadrangle**, Topographic map
- J**
- Jackson County**, Structural and areal map, USGS HA-38
- Jackson Purchase Region**, B 3 (X), GB 1972, General Ky. map, OFR OF-93-06, RI 10 (X), SP 20 (X), USGS B 1282, USGS WSP 1987
- Jasper 30 X 60 min. quadrangle**, Topographic map
- Jefferson County**, IC 6 (X), Topographic map, USGS HA-22, USGS HA-111, USGS HA-130
- Jenkins**, USGS WSP 1809-A
- Jenkins 30 X 60 min. quadrangle**, General Ky. map, Linear features map, Topographic map
- Jessamine County**, Gravity and magnetic map, OFR OF-99-03, RI 7 (XI), USGS HA-25, USGS hydrologic atlas
- Johnson City 30 X 60 min. quadrangle**, General Ky. map, Linear features map, Topographic map
- Johnson County**, GRI, OFR OF-83-06, Structural and areal map, USGS B 1047-B, USGS HA-37, USGS WSP 1257, USGS WSP 1359, USGS WSP 1867
- Joppa 7.5-min. quadrangle**, USGS HA-171
- K**
- Kenton County**, OFR 84-270, Topographic map, USGS HA-98
- Kenton County**, USGS HA-15
- Kentucky**
- central**, Gravity and magnetic map, IC 4 (XI), IC 51 (XI), Isopach and structure map, OFR 79-835, OFR USGS-02, RI 18 (X), RI 12 (XI), RI 13 (XI), TS 3 (X), USGS B 1224-C, USGS B 1252-F, USGS PP 768, USGS PP 1066-H, USGS PP 1151-A
- east-central**, B 2 (X), B 5 (XI), GRI,

- OFR OF-83-08, Oil and natural gas map, R 34 (XI), SP 3 (XI), TS 1 (XI), USGS B 1244-F
- eastern**, B 4 (X), GB 1981, Gravity and magnetic map, IC 12 (XI), IC 29 (XI), Isopach and structure map, MCS 8 (XI), MCS 20 (XI), OFR 81-1215, OFR OF-79-10, OFR OF-79-11, OFR OF-81-02, OFR OF-81-03, OFR OF-81-04, OFR OF-81-05, OFR OF-81-12, OFR OF-83-04, OFR OF-83-08, OFR OF-83-10, OFR OF-83-11, OFR OF-83-12, OFR OF-83-13, OFR OF-83-14, OFR OF-83-15, OFR OF-83-16, OFR OF-83-17, OFR OF-83-18, OFR OF-83-19, OFR OF-83-20, OFR OF-83-21, OFR OF-84-01, OFR OF-84-02, OFR OF-84-04, OFR OF-86-04, OFR OF-86-05, OFR OF-86-07, OFR OF-86-08, OFR OF-86-09, OFR OF-86-10, OFR OF-88-02, OFR OF-94-10, OFR OF-94-11, OFR OF-96-02, OFR OF-97-03, OFR USGS-05, Oil and natural gas map, R 31 (XI), RI 5 (X), RI 3 (XI), RI 6 (XI), RI 10 (XI), RI 14 (XI), SP 8 (X), SP 15 (X), SP 18 (X), SP 21 (X), SP 3 (XI), SP 9 (XI), SP 11 (XI), USGS MF-2275, USGS PP 1151-G
- north-central**, IC 53 (XI), OFR 79-53, OFR 79-850, OFR OF-76-04, USGS B 1354-B, USGS B 1372-C, USGS PP 1126-A-J, USGS WSP 1798-G
- northeastern**, GB 1968, GB 1977, GB 1980, GRI, OFR 82-219, OFR USGS-33, SP 10 (X), SP 2 (XI), SP 12 (XI), TS 1 (XI), USGS MF-261, USGS PP 839
- northern**, GB 1987, MCS 5 (XI), SP 22 (XI)
- northwestern**, OFR OF-82-02
- south-central**, B 5 (XI), GB 1990, OFR 79-834, OFR OF-95-03, R 41 (XI), RI 13 (X), RI 4 (XI), RI 11 (XI), SP 21 (X), TS 4 (XI), USGS B 1224-B, USGS B 1224-D, USGS B 1224-F, USGS B 1324-E, USGS B 1435-D
- south-central-eastern**, OFR OF-86-11
- southeast-central**, USGS B 1224-F
- southeastern**, GRI, IC 41 (XI), OFR OF-70-03, OFR USGS-10, OFR USGS-14, RI 14 (X), R 22 (XI), SP 21 (X), SP 12 (XI), SP 2 (XI), USGS WSP 1652-A
- southwestern**, OFR OF-75-06
- west-central**, Oil and natural gas map **western**, B 5 (X), Cross section, GB 1979, GB 1989, Gravity and magnetic map, IC 17 (X), IC 7 (XI), IMMR, Isopach and structure map, OFR 81-790, OFR OF-80-02, OFR OF-82-02, OFR OF-82-03, OFR OF-85-01, OFR OF-88-06, OFR OF-88-15, OFR OF-94-10, OFR OF-94-11, OFR OF-94-12, OFR OF-97-01, Oil and natural gas map, R 39 (X), R 11 (XI), R 44 (XI), RI 6 (X), RI 11 (X), RI 5 (XI), SP 1 (X), SP 10 (X), SP 14 (X), SP 15 (X), SP 17 (X), SP 18 (X), SP 6 (XI), SP 11 (XI), SP 7 (XI), SP 12 (XI), TS 3 (XI), USGS B 1012-A-B, USGS B 1012-C-D, USGS B 1012-E-F, USGS PP 790
- Kentucky Highway 546**, GB 1991
- Kentucky Highway 61**, MCS 12 (XI)
- Kentucky Highway 80**, MCS 2 (XI)
- Kentucky River**, OFR 85-4052, OFR USGS-11
- Kentucky River Area Development District**, USGS MF-865-E, USGS MF-865-F, USGS MF-865-H
- Kentucky River Basin**, IC 37 (XI), IC 52 (XI), OFR 90-4191, OFR USGS-14
- Kermit**, USGS PP 507
- Keystone**, USGS B 1122-E
- Kirksey 7.5-min. quadrangle**, USGS HA-113
- Knott County**, GRI, IC 43 (XI), Structural and areal map, USGS B 1042-P, USGS MAP C-22, USGS HA-36
- Knox County**, GRI, USGS HA-38
- Kosmosdale 15-min. quadrangle**, Topographic map
- ## L
- La Center 7.5-min. quadrangle**, USGS HA-173
- Lake Cumberland**, GB 1978
- Larue County**, USGS HA-33
- Laurel County**, USGS HA-38
- Lawrence County**, GRI, OFR 75-316, OFR OF-74-04, OFR OF-74-05, OFR OF-83-02, OFR OF-83-06, Structural and areal map, USGS HA-37, USGS WSP 1867
- Leatherwood 7.5-min. quadrangle**, USGS MAP C-22
- Lee County**, OFR OF-63-03, SP 10 (X), Structural and areal map, USGS MAP C-42, USGS HA-37
- Leslie County**, GRI, OFR OF-57-01, OFR OF-83-05, RI 9 (XI), SP 7 (XI), USGS MAP C-22, USGS HA-38
- Letcher County**, GRI, IC 41 (XI), OFR OF-83-05, USGS MAP C-22, USGS HA-36, USGS WSP 1809-A
- Levias**, USGS B 1122-E
- Levisa Fork of the Big Sandy River**, Flood map, OFR USGS-12
- Lewis County**, GRI, Misc. map, USGS HA-17, USGS HA-73, USGS HA-94
- Lexington**, Misc. map, OFR 85-4052, OFR USGS-06, OGR, R 29 (XI)
- Lexington 30 X 60 min. quadrangle**, MCS 10 (XI), Topographic map
- Licking River**, Flood map, OFR USGS-13
- Licking River District**, IC 23 (XI), IMMR, OFR OF-86-07
- Lincoln County**, CR 1 (XI), Gravity and magnetic map, Structural and areal map, USGS HA-20
- Little Cypress 7.5-min. quadrangle**, USGS HA-155
- Livermore 7.5-min. quadrangle**, Bedrock topography map
- Livingston County**, GB 1973, IC 16 (X), SP 22 (X), Structural and areal map, USGS B 1012-A-B, USGS B 1012-C-D, USGS B 1012-E-F, USGS B 1258-A, USGS HA-34, USGS HA-114, USGS HA-129, USGS HA-159, USGS WSP 1417
- Logan County**, IC 7 (XI), OFR OF-93-07, SP 21 (X), USGS HA-32
- Louisa**, OFR USGS-12
- Louisa 7.5-min. quadrangle**, USGS B 1526
- Louisville**, IC 10 (X), USGS WSP 1360-B, USGS WSP 1579, USGS WSP 1819-C, USGS WSP 2202
- Louisville 30 X 60 min. quadrangle**, General Ky. map, Linear features map, Topographic map
- Lovelaceville 7.5-min. quadrangle**, USGS HA-172
- Lynn Grove 7.5-min. quadrangle**, USGS HA-112
- Lynnville 7.5-min. quadrangle**, USGS HA-125
- Lyon County**, OFR 78-25, USGS HA-34, USGS HA-156, USGS HA-159
- ## M
- Madison 30 X 60 min. quadrangle**, Topographic map
- Madison County**, Gravity and magnetic map, IC 51 (XI), Structural and areal map, USGS HA-19
- Madisonville 30 X 60 min. quadrangle**, Topographic map
- Madisonville West 7.5-min. quadrangle**, Structural and areal map
- Magoffin County**, GRI, IC 47 (XI), SP 1

- (X), Structural and areal map, USGS B 1020-A, USGS B 1042-P, USGS B 1047-A, USGS B 1047-B, USGS HA-36, USGS WSP 1867
- Mammoth Cave 15-min. quadrangle**, Topographic map
- Mammoth Cave area**, USGS WSP 1837
- Mammoth Cave National Park**, OFR USGS-03
- Marion County**, Gravity and magnetic map, USGS HA-21
- Marshall County**, CR 5 (X), IC 16 (X), USGS HA-13, USGS HA-93, USGS HA-113, USGS HA-114, USGS HA-115, USGS HA-116, USGS HA-117, USGS HA-129, USGS HA-155, USGS HA-156, USGS HA-158, USGS HA-159, USGS HA-160
- Martin County**, GRI, OFR 79-1303, USGS HA-36, USGS PP 507
- Mason County**, IC 53 (XI), OFR OF-86-01, USGS HA-16, USGS HA-94
- Maxey Flats**, OFR 79-1329
- Mayfield**, IC 15 (X), OFR OF-64-02
- Mayfield 7.5-min. quadrangle**, USGS HA-164
- Maysville**, GB 1968, GB 1991, USGS B 1244-B
- Maysville 30 X 60 min. quadrangle**, Topographic map
- McCracken County**, CR 7 (X), Topographic map, USGS B 1258-A, USGS B 1258-B, USGS HA-13, USGS HA-117, USGS HA-129, USGS HA-155, USGS HA-157, USGS HA-168, USGS HA-171, USGS HA-172, USGS HA-173, USGS HA-174, USGS HA-176, USGS HA-177, USGS WSP 1417
- McCreary County**, OFR USBM-01, USGS HA-38, USGS MF-1341-B, USGS MF-1341-C, USGS MF-1348-A, USGS MF-1348-B, USGS MF-1348-D, USGS PP 427-A, USGS PP 427-B, USGS PP 427-C
- McLean County**, USGS HA-29
- Meade County**, OFR USGS-07, Structural and areal map, USGS HA-33, USGS HA-95
- Melber 7.5-min. quadrangle**, USGS HA-174
- Menifee County**, GRI, USGS HA-37
- Mercer County**, Gravity and magnetic map, USGS HA-20
- Metcalfe County**, Structural and areal map, USGS HA-32
- Metropolis 7.5-min. quadrangle**, USGS B 1258-B, USGS HA-171
- Mexico**, SP 22 (X)
- Michigan Basin**, OFR OF-94-02, OFR OF-94-12
- Midcontinent**, USGS B 2111
- Middlesboro**, RI 9 (X)
- Middlesboro 30 X 60 min. quadrangle**, MCS 11 (XI), Topographic map
- Milburn 7.5-min. quadrangle**, USGS HA-179
- Mississippi**, Misc. map, USGS poster
- Mississippi Embayment**, OFR 77-228, OFR 77-229, OFR 77-230, OFR 92-260, OFR MF-914, OFR OF-82-03
- Mississippi River**, GB 1984
- Mississippi Valley**, SP 22 (X), SP 14 (XI)
- Mississippian Plateau**, OFR 78-25, USGS WSP 1603
- Missouri**, Cross section, Misc. map, OFR 77-228, OFR 77-229, OFR 77-230, OFR USGS-28, USGS HA-181, USGS poster, USGS PP 1236
- Monroe County**, SP 15 (X), USGS HA-32
- Montana**, OFR OF-84-03
- Montgomery County**, OFR OF-64-01, USGS HA-18
- Morehead**, Flood map
- Morehead 30 X 60 min. quadrangle**, Topographic map
- Morgan County**, GRI, Structural and areal map, USGS B 1020-A, USGS B 1047-A, USGS B 1047-B, USGS B 1122-F, USGS HA-37, USGS WSP 1867
- Morganfield**, OFR OF-82-02
- Mount Vernon 7.5-min. quadrangle**, Bedrock topography map
- Muhlenberg County**, B 1 (X), IC 11 (X), IC 12 (X), Structural and areal map, USGS HA-29
- Munfordville**, OFR USGS-09
- Murray 30 X 60 min. quadrangle**, Topographic map
- N**
- Nashville 30 X 60 min. quadrangle**, General Ky. map, Linear features map, Topographic map
- Nelson County**, USGS HA-21
- Nevada**, USGS PP 1126-A-J
- New Concord 15-min. quadrangle**, Topographic map
- New Concord 7.5-min. quadrangle**, USGS HA-118
- New Madrid Southeast 7.5-min. quadrangle**, USGS HA-178
- Newburgh 7.5-min. quadrangle**, Bedrock topography map
- Nicholas County**, USGS HA-16
- Noble 7.5-min. quadrangle**, OFR OF-88-05
- North Fork River**, OFR 81-1215
- Nortonville 7.5-min. quadrangle**, Structural and areal map
- O**
- Oak Level 7.5-min. quadrangle**, USGS HA-116
- Oakton 7.5-min. quadrangle**, USGS HA-182
- Ohio**, B 2 (X)
- Cincinnati**, R 29 (X), GB 1968, GB 1987, MCS 5 (XI), OFR 79-1303, OFR OF-94-03, OFR USGS-02, OFR USGS-32, USGS PP 583-B
- Ohio County**, GB 1973, IC 11 (X), USGS HA-26
- Ohio River**, OFR 2-74, OFR OF-82-02, USGS PP 1126-A-J
- Ohio Valley**, B 5 (X), GB 1974, IC 18 (X), IC 49 (XI), OGR, R 49 (X), RI 8 (XI), SP 21 (XI), USGS WSP 1411, USGS WSP 1818
- Oldham County**, USGS HA-22, USGS HA-97
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- Warsaw Formation**, USGS B 1435-D
- Warsaw Limestone**, OFR OF-94-12
- Water**, GB 1984, IC 4 (X), IC 6 (X), IC 7 (X), IC 10 (X), IC 12 (X), IC 15 (X), IC 18 (X), IC 20 (X), IC 21 (X), IC 37 (XI), IC 44 (XI), IC 52 (XI), MCS 10 (XI), Misc. map, OF 2-74, OFR 53-73, OFR 76-86, OFR 78-25, OFR 79-53, OFR 79-1329, OFR 80-685, OFR 81-1215, OFR OF-64-02, OFR 90-4191, OFR OF-93-04, OFR OF-93-06, OFR OF-93-07, OFR OF-94-01, OFR OF-94-09, OFR OF-94-12, OFR OF-95-01, OFR OF-95-03, OFR OF-96-02, OFR OF-97-04, OFR USGS-03, OFR USGS-05, OFR USGS-06, OFR USGS-08, OFR OF-97-02, OFR USGS-01, OFR USGS-11, OFR USGS-12, OFR USGS-13, OFR USGS-23, OFR USGS-24, OFR, R 30 (XI), R 31 (XI), RI 4 (X), RI 6 (XI), TS 3 (X), TS 5 (XI), TS 6 (XI), USGS HA-13, USGS HA-15, USGS HA-16, USGS HA-17, USGS HA-18, USGS HA-19, USGS HA-20, USGS HA-21, USGS HA-22, USGS HA-23, USGS HA-24, USGS HA-25, USGS HA-26, USGS HA-27, USGS HA-28, USGS HA-29, USGS HA-30, USGS HA-32, USGS HA-33, USGS HA-34, USGS HA-35, USGS HA-36, USGS HA-37, USGS HA-38, USGS HA-72, USGS HA-73, USGS HA-74, USGS HA-75, USGS HA-91, USGS HA-92, USGS HA-93, USGS HA-94, USGS HA-95, USGS HA-96, USGS HA-97, USGS HA-98, USGS HA-110, USGS HA-111, USGS HA-112, USGS HA-113, USGS HA-114, USGS HA-115, USGS HA-116, USGS HA-117, USGS HA-118, USGS HA-124, USGS HA-125, USGS HA-129, USGS HA-130, USGS HA-155, USGS HA-156, USGS HA-157, USGS HA-158, USGS HA-159, USGS HA-160, USGS HA-161, USGS HA-162, USGS HA-163, USGS HA-164, USGS HA-165, USGS HA-166, USGS HA-167, USGS HA-168, USGS HA-169, USGS HA-170, USGS HA-171, USGS HA-172, USGS HA-173, USGS HA-174, USGS HA-175, USGS HA-176, USGS HA-177, USGS HA-178, USGS HA-179, USGS HA-180, USGS HA-181, USGS HA-182, USGS HA-183, USGS HA-184, USGS HA-185, USGS HA-186, USGS WSP

1257, USGS WSP 1328, USGS WSP 1356, USGS WSP 1359, USGS WSP 1360-B, USGS WSP 1417, USGS WSP 1528, USGS WSP 1533, USGS WSP 1579, USGS WSP 1599, USGS WSP 1603, USGS WSP 1607, USGS WSP 1809-A, USGS WSP 1987, USGS WSP 2220

Ground, IC 60 (XI), IC 1 (XII), MCS 10 (XI), MCS 16 (XI), MCS 17 (XI), MCS 18 (XI), MCS 19 (XI), RI 11 (XI), RI 12 (XI), USGS MF-865-E

Quality, IC 60 (XI), IC 1 (XII), OFR

OF-93-04, OFR OF-99-03, RI 2 (X), RI 5 (X), RI 9 (X), RI 15 (X), RI 17 (X), RI 9 (XI), RI 10 (XI), SP 16 (X), SP 20 (X), USGS MF-865-E

Surface, IC 5 (XI), IC 46 (XI), OFR 80-1225, OFR 85-4052, OFR USGS-14, OFR USGS-16, OFR USGS-25, USGS hydrologic atlas, USGS MF-865-F, USGS MF-865-H, USGS PP 427-A, USGS PP 427-B, USGS PP 427-C, USGS WDR KY-78-1, USGS WDR KY-80-1,

USGS WDR KY-81-1, USGS WDR KY-82-1, USGS WDR KY-83-1, USGS WDR KY-85-1, USGS WDR KY-88-15, USGS WDR KY-89-1, USGS WDR KY-90-1, USGS WSP 1652-A, USGS WSP 1700, USGS WSP 1818, USGS WSP 1819-C, USGS WSP 1837, USGS WSP 1867, USGS WSP 1940, USGS WSP 2254

Waterflooding, OFR OF-62-04, SP 10 (X), SP 5 (XI)

Waulsortian mounds, OFR OF-94-12

Well data, OFR USGS-15

Well descriptions, OFR OF-68-01

West Falls Formation, Isopach and structure map

Williamson coal, OFR OF-83-10, OFR OF-83-13, OFR OF-83-16, OFR OF-83-19

Z

Zinc, OFR OF-75-06, OFR OF-84-07, OFR OF-94-12, USGS PP 1126-A-J