List of Publications
November 1999

Compiled by Margaret Luther Smath

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228 Mining and Mineral Resources Building
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## Contents

- **Our Mission** 1
- **Introduction** 1
- **Purchasing Instructions** 2

### Kentucky Geological Survey Reports
- **Bulletins** 3
  - **County Reports** 3
  - **Information Circulars** 3
  - **Map and Chart Series** 5
  - **Reports of Investigations** 5
- **Reprints** 6
- **Special Publications** 8
- **Thesis Series** 12
- **Miscellaneous Kentucky Geological Survey Reports** 12

### Maps
- **Index Maps** 13
- **General Kentucky Maps** 13
- **Topographic Maps** 13
  - 7.5-Minute Quadrangle Series 13
  - 15-Minute Quadrangle Series 13
  - 30 x 60 Minute Quadrangle Series 13
  - 1 x 2 Degree Quadrangle Series 14
  - 15-Minute Metric (DMA) Topographic Maps 14
  - Metric County Maps 14
  - Clinometric (Slope) County Maps 14
- **Surface Management Maps** 14
  - Bureau of Land Management Surface Management Status 14
  - Bureau of Land Management Surface-Minerals Management Status 14
- **Satellite Image Map of Kentucky** 14
- **Geologic Quadrangle Maps** 14
- **Bedrock Topography Maps** 14
- **National Wetlands Inventory** 15
- **Miscellaneous Field Studies** 15
  - Beaver Creek Wilderness Study, Daniel Boone National Forest 15
  - Troublesome Roadless Area, McCreary County, Kentucky 15
- **Gravity and Magnetic Maps** 15
- **Isopach and Structure Maps** 15
  - Morgantown Energy Technology Center–Eastern Gas Shales Project Series 16
- **Linear Features Maps** 16
- **Flood Maps** 16
- **Flood-Prone-Area Maps** 16
- **Miscellaneous Maps** 17
- **Landslides and Related Features** 17
- **Cross Sections** 17
  - Illinois Basin Consortium Cross Section Project 17
Contents (continued)

Maps Listed by Commodity 18
  Clay 18
  Coal 18
  Fluorspar 18
  Ground Water 18
    Statewide 18
    Blue Grass Region 18
    Western Kentucky Coal Field 18
    Eastern Kentucky Coal Field 18
    Mississippian Plateau Region 18
    Jackson Purchase Region 18
    Ohio River Valley 19
  Oil and Natural Gas 19
    Statewide 19
    7.5-Minute Quadrangle Oil and Gas Base Maps 20
  Structural and Areal Maps 20
  Computer-Generated Data 21
    Oil and Gas Data 21
    Coal Thickness and Quality Data 21
    Water Well and Spring Data 22
    Conversion Routines 22
    GIS Coverages 22
    Strong-Motion Records 22
  Drillers’ Logs and Other Mineral-Resource Records 23
  KGS–Earth Science Information Center 23
  Open-File Reports 24
  Guidebooks for Geology Field Trips 34
  Other Geologic Reports 36
  University of Kentucky Institute for Mining and Minerals Research Reports 37
  Illinois Basin Consortium Reports 38
  Appalachian Oil and Natural Gas Research Consortium Products 38
  U.S. Geological Survey Reports 39
    Coal 39
      Engineering Geology 39
      Paleontology 39
      Vein Minerals 40
      Water 40
      Earthquakes and Tectonics 41
      Stratigraphy 41
      General 42
      Posters 43
  Author Index 44
  Geographic Index 51
  Subject Index 58
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. Schwab 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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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 (Daviess Co.), by G.L. Carpenter, Jr., 1971, Map I-633
Panther (Daviess Co.), by A.E. Smith, 1971, Map I-598
Reed (Henderson and Daviess 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 (Daviess 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


Troublesome Roadless Area, McCreary County, Kentucky

Geologic 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 sheet, by P.E. Potter, 1978 (scale 1:250,000) $3.75

*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, 1980, 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 Grassy Creek Member 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
- 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 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. 520 (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. 512 (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
- 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
- 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. 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 Tripplet 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 Dobrovolny 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 delineated 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 line work (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 Schwabl 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 Schwabl 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 Schwabl and Ronald Norris, 1980, METC/EGSP series no. 904 **$2.50**

*Photocopy only.

*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**

*Printed in cooperation with the Kentucky River Authority.

*Photocopy only.
Maps Listed by Commodity

Clay

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. Hiett, 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 $7.50
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-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-20. Boyle, Garrard, Lincoln, and Mercer Counties, by W.N. Palmquist, Jr., and F.R. Hall $10.25

Western Kentucky Coal Field.

Eastern Kentucky Coal Field.
HA-35. Bell, Clay, Jackson, Knox, Laurel, Leslie, McCracken, Owsley, Rockcastle, and Whitley Counties, by Chabot Kilburn and others, 1962 $11.25

Mississippian Plateau Region.
HA-38. Bell, Clay, Jackson, Knox, Laurel, Leslie, McCracken, Owsley, Rockcastle, and Whitley Counties, by Chabot Kilburn and others, 1962 $11.25

Jackson Purchase Region.
HA-40. Farmington Quadrangle (Graves Co.), by J.H. Morgan, 1964 $4.50
HA-42. Lynn Grove Quadrangle (Calloway and Graves Cos.), by R.W. Devaul, 1962 $10.25
HA-44. Briensburg Quadrangle (Marshall and Livingston Cos.), by L.M. MacCary, 1964 $4.50
| HA-117. | Elva Quadrangle (Marshall, Graves, and McCracken Cos.), by J.H. Morgan, 1964 | $4.50 |
| HA-118. | New Concord Quadrangle (Calloway Co.), by T.W. Lambert, 1964 | $4.50 |
| HA-124. | Hazel Quadrangle (Calloway Co. and Tenn.), by L.M. MacCary, 1964 | $4.50 |
| HA-125. | Lynnville Quadrangle (Graves Co. and Tenn.), by T.W. Lambert, 1965 | $4.50 |
| HA-155. | Little Cypress and Calvert City Quadrangles (Marshall and McCracken Cos.), by J.H. Morgan, 1965 | $4.50 |
| HA-156. | Fairdealing Quadrangle (Marshall, Trigg, and Lyon Cos.), by T.W. Lambert, 1965 | $4.50 |
| HA-157. | Symsonia Quadrangle (Graves and McCracken Cos.), by R.W. Davis, 1965 | $4.50 |
| HA-160. | Rushing Creek Quadrangle (Calloway, Trigg, and Marshall Cos.), by T.W. Lambert, 1965 | $4.50 |
| HA-161. | Cuba Quadrangle (Graves Co. and Tenn.), by J.H. Morgan, 1965 | $4.50 |
| HA-162. | Water Valley Quadrangle (Graves, Hickman, and Fulton Cos. and Tenn.), by T.W. Lambert, 1965 | $4.50 |
| HA-163. | Hickory Quadrangle (Graves Co.), by J.H. Morgan, 1965 | $4.50 |
| HA-164. | Mayfield Quadrangle (Graves Co.), by R.W. Davis, 1965 | $4.50 |
| HA-166. | Westplains Quadrangle (Graves Co.), by L.M. MacCary and R.W. Davis, 1966 | $4.50 |
| HA-167. | Crutchfield Quadrangle (Fulton and Hickman Cos. and Tenn.), by A.J. Hansen, Jr., 1966 | $4.50 |
| HA-168. | Heath Quadrangle (McCracken and Ballard Cos.), by T.W. Lambert, 1966 | $4.50 |
| HA-169. | Fancy Farm Quadrangle (Graves, Carlisle, and Hickman Cos.), by R.W. Davis, 1966 | $4.50 |
| HA-170. | Dublin Quadrangle (Graves and Hickman Cos.), by A.J. Hansen, Jr., 1966 | $4.50 |
| HA-171. | Joppa and Metropolis Quadrangles (McCracken Co.), A.J. Hansen, Jr., 1966 | $4.50 |
| HA-172. | Lovelaceville Quadrangle (Carlisle, Graves, McCracken, and Ballard Cos.), by R.W. Davis, 1966 | $4.50 |
| HA-173. | La Center Quadrangle (Ballard and McCracken Cos.), by T.W. Lambert, 1966 | $4.50 |
| HA-174. | Melber Quadrangle (McCracken and Graves Cos.), by R.W. Davis, 1966 | $4.50 |
| HA-175. | Clinton Quadrangle (Hickman Co.), by A.J. Hansen, Jr., 1966 | $4.50 |
| HA-176. | Olmstead and Bandana Quadrangles (Ballard and McCracken Cos.), by A.J. Hansen, Jr., 1967 | $4.50 |
| HA-177. | Paducah West and Paducah East Quadrangle (McCracken Co. and III.), by T.W. Lambert, 1967 | $4.50 |
| HA-178. | New Madrid Southeast, Hubbard Lake, and Bondurant Quadrangles (Fulton Co. and Tenn.), by T.W. Lambert, 1967 | $4.50 |
| HA-179. | Milburn Quadrangle (Carlisle and Hickman Cos.), by R.W. Davis, 1967 | $4.50 |
| HA-180. | Cayce Quadrangle (Fulton and Hickman Cos. and Tenn.), by A.J. Hansen, Jr., 1967 | $4.50 |
| HA-181. | Hickman Quadrangle (Fulton Co. and Mo. and Tenn.), by T.W. Lambert, 1968 | $4.50 |
| HA-182. | Oakton and Wolfe Island Quadrangles (Hickman and Fulton Cos.), by A.J. Hansen, Jr., 1968 | $4.50 |
| HA-183. | Arlington and Wickliffe Southwest Quadrangles (Carlisle and Hickman Cos.), by R.W. Davis, 1968 | $4.50 |
| HA-184. | Blandville Quadrangle (Ballard and Carlisle Cos.), by A.J. Hansen, Jr., 1968 | $4.50 |
| HA-185. | Wickliffe and Wickliffe Northwest Quadrangles (Carlisle and Ballard Cos.), by T.W. Lambert, 1968 | $4.50 |
| HA-186. | Cairo and Barlow Quadrangles (Ballard Co.), by A.J. Hansen, Jr., 1968 | $4.50 |

### Ohio River Valley.

- HA-72. Breckinridge and Hancock Co. alluvial deposits, by J.T. Gallaher, 1963 | $7.25 |
- HA-73. Greenup and Lewis Co. alluvial deposits, by W.E. Price, Jr., 1963 | $4.50 |
- HA-74. Hancock and Daviess Co. alluvial deposits, by J.T. Gallaher, 1963 | $4.50 |
- HA-75. Boyd and Greenup Co. alluvial deposits, by W.E. Price, Jr., 1964 | $7.25 |
- HA-91. Henderson Co. alluvial deposits, by J.T. Gallaher, 1964 | $7.25 |
- HA-94. Lewis, Mason, Bracken, Pendleton, and Campbell Co. alluvial deposits, by W.E. Price, Jr., 1964 | $7.25 |
- HA-95. Hardin and Meade Co. alluvial deposits, by J.T. Gallaher, 1964 | $4.50 |
- HA-96. Daviess and Henderson Co. alluvial deposits, by J.T. Gallaher, 1963 | $7.25 |
- HA-97. Gallatin, Carroll, Trimble, and Oldham Co. alluvial deposits, by W.E. Price, Jr., 1964 | $7.25 |
- HA-98. Campbell, Kenton, Boone, and Gallatin Co. alluvial deposits, by W.E. Price, Jr., 1964 | $7.25 |
- HA-110. Daviess Co. alluvial deposits, by J.T. Gallaher, 1964 | $7.25 |
- HA-111. Southwestern Jefferson Co. alluvial deposits, by W.E. Price, Jr., 1964 | $7.25 |

### Oil and Natural Gas

Farm ownership tract lines are not indicated on maps of the Kentucky Geological Survey. However, wells shown on county and quadrangle oil and gas maps are indexed by farm name (lessor or mineral owner).

#### Statewide.

- **$1.50** 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) **$15** Photocopy only.

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**Footnotes:**
- $1.50 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) **$15** Photocopy only.
- Accompanying well list, an additional $15; with stratigraphic tops, an additional $20.
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 Co.; 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 Co. 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 Co.; 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

Hanson Quadrangle (7.5-min., scale 1:24,000; parts of Hopkins and Webster Co.; with structure on base of Beech Creek Limestone), by W.D. Rose and A.E. Smith, 1963 $1.25

*Hopkinsville Quadrangle (7.5-min., scale 1:24,000; part of Christian Co.; areal, with structural geology on top of the Paint Creek Formation), by H.W. Settle, 1952 $1.25

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 Co.), 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

Nortonville Quadrangle (7.5-min., scale 1:24,000; parts of Hopkins and Christian Co.; with structure on base of Vienna Limestone), by W.D. Rose, 1964 $1.25

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 Co.), by J.S. Hudnall and I.B. Browning, 1924; reprinted 1949 $2.00

*Pembroke Quadrangle (planimetric base; 7.5-min., scale 1:24,000; parts of Christian and Todd Co.; areal and structural geology on top of the Paint Creek Formation), by H.W. Settle, 1952 $1.25

Seitz Quadrangle (7.5-min., scale 1:24,000; parts of Breathitt, Magoffin, Morgan, and Wolfe Co.; with structure on top of Magoffin Limestone), by M.J. Bergin, 1956, USGS Map OM-173 $3.00

Slaughterers Quadrangle (7.5-min., scale 1:24,000; parts of Hopkins and Webster Co.; with structure on base of Vienna Limestone), by W.D. Rose, 1963 $1.25

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*Includes choice of stratigraphic tops, calculated latitude and longitude, or sample catalog data.

Coal Thickness and Quality Data
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General


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Central United States earthquakes, 1974–1991: Base satellite image in color that illustrates the earthquake epicenters recorded in a region that encompasses parts of eight states (Ind., Ill., Ky., Tenn., Ala., Miss., Ark., Mo.), by St. Louis University and Memphis State University, 1993, scale 1:1,000,000 (26” X 32½”) $3.50
Author Index

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

American Geological Institute, IC 11 (XI), SP 19 (X)

American Institute of Professional Geologists, OGR

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

Baker, J.A., USGS WSP 1257
Baldridge, H.L., SP 21 (X)
Baldwin, H.L., OFR USGS-01
Ball, T.E., Bedrock topography map
Banfield, G.R., OFR 80-685
Baranoski, M.T., IC 58 (XI), SP 18 (XI)
Barfield, B.J., IC 46 (XI)
Bargh, M.H., OFR OF-94-12
Barnhill, M.L., IBS 3, OFR OF-94-12
Barr, T.C., Jr., SP 12 (XI)
Barron, L.S., IC 34 (XI), IC 53 (XI), OFR OF-86-01, R 28 (XI)
Bartow, J.A., USGS PP 1126-A
Bashe, R.W., SP 14 (X)
Bassett, J.L., Isopach and structure map
Bateman, S.J., SP 17 (XI)
Beard, J.G., IC 1 (XI), OFR 81-790, OFR 82-219, OFR 80-02, OFR 82-02
Beard, John, OFR OF-94-10
Beasley, C.A., SP 5 (XI)
Beatty, D.S., OFR OF-94-12
Becker, L.E., SP 3 (XI)
Bell, E.A., IC 10 (X), USGS WSP 1579, USGS WSP 1819-C
Benson, D.C., SP 1 (X)
Berdan, J.M., USGS PP 1066-H, USGS PP 1066-J
Berg, T.M., OGR
Birch, Michael, SP 7 (XI)

Carpenter, G.L., Bedrock topography map, R 17 (X), R 35 (X), R 44 (X), R

Blackwell, D.D., USGS PP 1236
Bland, A.E., R 5 (XI)
Blevins, R.L., IC 46 (XI)
Bolivar, S.L., IC 46 (XI)
Bond, D.C., R 26 (X), SP 15 (X)
Boyd, W.T., R 47 (X), R 6 (XI), R 9 (XI)
Boyter, R.E., OGR
Bradford, B.B., SP 15 (X)
Bragg, L.J., IC 18 (XI), IC 19 (XI), IC 20 (XI), IC 21 (XI), IC 22 (XI), IC 23 (XI), OFR OF-94-12
Braile, L.W., USGS PP 1236
Branson, E.R., CR 1 (X), CR 3 (X), OFR OF-68-01
Brant, R.A., IMMR, OFR OF-80-03, R 7 (XI), R 20 (XI)
Briggs, R.P., USGS MAP C-42
Bristol, H.M., SP 2 (XI)
Brockman, S.R., USGS PP 1236
Brown, J.A., USGS PP 1236
Brown, R.F., USGS HA-32, USGS HA-33, USGS HA-34, USGS HA-35, USGS WSP 1603, USGS WSP 1837
Browning, J.B., Structural and areal map
Bufe, C.G., USGS PP 1236
Burruss, R.C., OFR OF-94-12
Bush, A.L., USGS B 2111

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

Roman numerals in parentheses indicate KGS series.

A
Adams, D.C., MCS 7 (XI)
Adkison, W.L., Structural and areal map, USGS B 1047-A, USGS B 1047-B
Alexander, J.D., SP 8 (X)
Algermissen, S.T., General Ky. map, Misc. map, OGR, USGS MF-1712
Alvord, D.C., OFR OF-70-03
Amaral, E.J., IC 25 (XI), RI 8 (XI)
American Geological Institute, IC 11 (XI), SP 19 (X)
American Institute of Professional Geologists, OGR
Ammeman, M.L., OFR OF-76-01, OFR OF-76-02, OFR OF-76-05
Amos, D.H., USGS PP 1151-D
Andrews, R.E., IC 47 (XI)
Andrews, W.M., Jr., MCS 20 (XI), RI 14 (XI)
Antilla, P.W., USGS WSP 1798-G
Archer, A.W., R 42 (XI)
Armstrong, J.B., OFR OF-93-06
Ault, C.H., OGR
Ausburn, B.E., SP 5 (XI)
Ausch, W.I., GB 1991, MCS 12 (XI)
Austin, C.B., OFR OF-76-05, USGS PP 1236
Avila, John, OFR OF-83-01, OFR OF-83-02, OFR OF-83-05, OFR OF-83-06, SP 14 (X), SP 3 (XI)

B
Baird, Donald, R 41 (XI)
Baker, A.A., SP 8 (X)
Author Index
Memphis State University, USGS poster
Miles, P.M., SP 21 (X)
Milhous, H.C., R 19 (X), SP 1 (X)
Milici, R.C., SP 7 (X)
Minns, S.A., see also Hutcheson, S.M., OFR OF-94-09, OFR OF-95-03, OFR OF-96-02, RI 9 (XI), TS 6 (XI)
Mitchell, B.J., USGS PP 1236
Mitchell, W.M., OFR OF-94-12
Montgomery, Gll, SP 22 (X)
Moodie, F.B., GB 1986
Moodie, F.B., III, SP 22 (X)
Moody, J.R., GB 1990, GRI, IC 34 (XI), R 22 (XI)
Moore, L.D., OFR OF-94-12
Morgan, H.B., OFR OF-80-03
Morgan, H.M., SP 11 (XI)
Morgan, J.D., OFR OF-83-23
Morris, L.G., MCS 11 (XI)
Morris, R.H., Misc. map
Mosher, S.O., GB 1989
Mull, D.S., IC 20 (X), RI 9 (X), USGS WSP 1899-A
Mull, D.S., OGR
Mullins, A.T., IC 11 (X), SP 15 (X)
Murphy, J.H., SP 2 (XI)
Musser, J.J., USGS PP 427-A
Mytroje, John, SP 12 (XI)
N
Nabors, W.M., SP 1 (X)
Nahass, S., USGS PP 1126-A-J
Narr, Wayne, OFR OF-94-10
Nelson, W.J., OFR OF-94-12
Neuman, R.B., USGS PP 583-A
Newman, F.C., SP 1 (X)
Nichols, E.S., IC 6 (X), IC 7 (X)
Nichols, T.C., Jr., USGS B 1258-A
Noger, M.C., Cross section, CR 2 (XI), GB 1985, GB 1987, MCS 8 (XI), Misc. map, OFR OF-91-01, RI 18 (X), SP 16 (XI), SP 17 (XI), USGS C 801
Nolan, T.B., Jr., USGS PP 1126-A-J
Norby, R.D., OFR OF-94-12
Norris, R.L., Bedrock topography map, SP 8 (X)
Norris, Ronald, Cross section, Isopach and structure map
Norris, Sam, SP 3 (XI)
Nosow, Edmund, OFR OF-51-01, R 2 (X), R 6 (X), R 8 (X), R 10 (X), R 12 (X), R 14 (X), R 23 (X), R 46 (X), R 8 (XI), SP 1 (X), SP 4 (X)
Nuccio, V.F., OFR OF-94-12
P
Nuttall, B.C., IC 17 (XI), IC 24 (XI), IC 26 (XI), IC 27 (XI), IC 28 (XI), IC 30 (XI), IC 33 (XI), IC 35 (XI), IC 39 (XI), IC 45 (XI), IC 50 (XI), IC 55 (XI), IC 56 (XI), MCS 9 (XI), MCS 11 (XI), MCS 13 (XI), MCS 14 (XI), MCS 15 (XI), MCS 22, (XI), OFR OF-88-04, OFR OF-91-01, OFR OF-94-02, OFR OF-94-11, OFR OF-94-12, OFR OF-94-05
Nuttall, B.D., SP 8 (X)
Nuttli, O.W., USGS PP 1236
Nuttli, Otto, SP 14 (XI)
O
Obermeier, S.E., OFR 96-724
O’Cana, Dan, IC 40 (XI)
O’Connell, E.M., USGS hydrologic atlas
O’Connor, D., USGS PP 1236
Olive, W.W., GB 1972, General Ky. map, USGS B 1282
Olive, W.A., Jr., USGS B 1244-F
Olshansky, R.B., USGS PP 1538-F-G
Oltz, D.E., OFR OF-94-12
Oman, C.L., OFR OF-94-12
Overbey, W.K., Jr., SP 5 (XI)
P
Pakiser, L.C., USGS PP 1236
Palmer, A.N., SP 12 (XI)
Palmer, J.E., OFR OF-82-02, SP 3 (XI)
Parsley, R.L., USGS PP 1066-K
Pasini, Joseph, III, SP 17 (X)
Patchen, D.G., SP 17 (X)
Patterson, S.H., R 5 (X), USGS B 1122-F
Patton, J.B., SP 18 (X)
Peck, J.H., USGS B 1244-B
Peddycoart, Dick, SP 9 (XI)
Penick, J.L., Jr., OGR
Perkins, Hunt, SP 15 (X)
Perkins, J.H., SP 21 (X)
Perry, D.B., OFR OF-88-05
Phalan, J.H., SP 1 (X)
Pickard, G.W., SP 22 (X)
Pickering, R.J., Jr., SP 9 (X)
 Pike, R.J., USGS I-2206
Ping, R.G., OFR USGS-10
Pitman, J., OFR OF-94-12
Pitman, J.K., OFR OF-94-12
Plebuch, R.O., OFR 78-25
Poettmann, F.H., SP 3 (XI)
Pojeta, John, Jr., USGS PP 1066-A–G, USGS PP 1066-O, USGS PP 1151-E
Pollock, J.D., OFR 82-219
Ponsetto, L.R., R 11 (XI), R 16 (XI)
Pope, K., USGS PP 1066-L
Portig, E.R., IMMR
Potter, C.J., OFR OF-94-12
Pounder, J.A., SP 14 (X)
Powell, A.J., OFR OF-99-03
Powers, R.B., OFR 94-211
Pree, H.L., Jr., USGS WSP 1417
Price, M.L., SP 3 (XI)
Price, Peter, RI 4 (XI)
Price, R.C., Structural and areal map
Price, R.E., USGS HA-36
Prosser, L.J., Jr., R 26 (XI), R 27 (XI), R 32 (XI), R 33 (XI), R 35 (XI), R 37 (XI), R 43 (XI)
Pryor, W.A., GB 1981, GB 1984
Putnam, G.B., SP 18 (X)
R
Rast, Nicholas, GB 1984
Ray, E.O., SP 4 (X), SP 15 (X), SP 21 (X)
Ray, J.A., MCS 10 (XI), MCS 16 (XI), MCS 17 (XI), MCS 18 (XI), MCS 19 (XI)
Ray, L.L., Structural and areal map, USGS PP 488
Reagor, B.G., General Ky. map, OFR 80-1242, OFR 81-198
Rebmann, J.R., R 29 (XI)
Reed, A.H., R 1 (X), R 4 (X), R 7 (X), R 9 (X)
Rehn, E.E., SP 15 (X)
Rexroad, C.B., B 2 (X)
Reynolds, D.W., SP 14 (X), SP 6 (XI)
Reynolds, R., OFR OF-94-12
Rhea, Susan, OFR OF-94-12
Rice, C., OFR OF-94-12, USGS I-1727-A
Rice, C.L., Isopach and structure map, R 5 (XI), USGS MF-2275, USGS PP 1151-G
Rich, David, GB 1984
Rickert, D.A., OGR
Author Index

Ridgley, J.L., OFR OF-94-12
Riffel, P.A., OGR
Riley, C.S., SP 15 (X)
Riley, H.L., R 11 (X), R 13 (X), R 16 (X), R 18 (X), R 22 (X), R 24 (X), R 27 (X), R 32 (X), R 37 (X), R 40 (X), R 43 (X)
Robl, T.L., IC 34 (XI), R 22 (XI), R 28 (XI)
Rodermund, C.G., SP 4 (X)
Roew, J.B., AONGRC
Rorabaugh, M.L., USGS WSP 1360-B
Ross, W.D., B 1 (X), SP 10 (X), SP 14 (X), SP 15 (X), SP 17 (X), SP 18 (X), Structural and areal map
Ross, R.B., Jr., OFR USBM-01, USGS MF-1348-D
Ross, R.J., USGS PP 1126-A-J
Ross, R.J., Jr., USGS PP 583-B
Rowan, E., OFR OF-94-12
Rowan, E.L., OFR OF-94-12
Rupp, J.A., OFR OF-94-12
Russ, D.P., USGS PP 1236
Ruthven, C.L., IC 59 (XI)
Ryder, P.D., IC 18 (X), OFR 53-73, OFR USGS-11, OFR USGS-12, OFR USGS-13, USGS WSP 1940
S
Sable, E.G., USGS B 1224-I, USGS PP 1503
Sahba, A.M., OFR OF-95-03, RI 11 (XI)
Sahraie, Y.M., OFR OF-62-04
Sanchez, J.D., USGS PP 1126-A-J
Sanders, M.P., SP 11 (XI)
Santos, J.F., OFR 77-123
Sargent, M.L., Cross section
Sargent, Michael, OFR OF-94-12
Satoskar, V.J., SP 2 (XI)
Saunders, J.W., SP 12 (XI)
Schneider, Robert, OFR 82-509
Schreiber, Jack, SP 6 (XI)
Schwalb, H.R., GB 1973, IC 17 (X), IC 19 (X), IC 2 (XI), Isopach and structure map, Oil and natural gas map, RI 10 (X), RI 16 (X), SP 17 (X), SP 2 (XI), SP 5 (XI)
Schwalb, Howard, Cross section, Isopach and structure map, OFR OF-82-02, SP 21 (X), SP 7 (XI)
Seale, G.L., TS 3 (XI)
Sedimentation Seminar, RI 11 (X), RI 13 (X), RI 21 (X)
Seeger, C.R., R 28 (X)
Segovia Chica, A.G., OFR OF-72-01
Seifert, W.E., SP 10 (X)
Sergeant, R.E., Bedrock topography map, GB 1990, IC 47 (XI), OFR OF-88-05, OFR OF-88-11, R 34 (XI)
Settle, H.W., Structural and areal map
 Sexton, J.L., USGS PP 1236
Seyler, Beverly, OFR OF-94-12
Shay, R.A., USGS PP 1538-F-G
Shearman, J.O., OFR USGS-14
Shedlock, K.M., USGS PP 1538-A-C, USGS PP 1538-D
Sholar, C.J., OFR 85-4052
Shumaker, R.C., OFR OF-94-11
Sides, S.D., SP 12 (XI)
Siens, D.F., USGS MF-1348-B, USGS MF-1341-B
Sigleo, W.R., USGS MF-1341-C
Silverman, J.D., SP 21 (X), SP 3 (XI)
Simard, C.M., OGR
Simkin, Tom, USGS poster
Simmons, G.C., USGS B 1244-F
Skelton, Homer, SP 11 (X)
Slucher, E.R., IC 12 (XI), OFR OF-86-11
Smath, M.L., see also Luther, M.K., OFR OF-94-10, OFR OF-94-11
Smith, A.D., OFR OF-84-08
Smith, A.E., OFR OF-82-02, OFR OF-97-05, OFR USGS-15, SP 3 (XI), Structural and areal map
Smith, G.E., GB 1969, IC 23 (X), IMMIR, RI 6 (X)
Smith, J.G., IC 19 (X)
Smith, J.H., R 41 (XI)
Smith, L.M., GB 1984
Smith, M.O., GB 1967, TS 1 (X)
Smith, W.W., SP 15 (X)
Snell, Jeffrey, OFR OF-94-01
Snyder, P.B., OGR
Soderberg, R.K., OFR OF-76-02, OFR OF-76-03
Sparks, T.N., OFR OF-97-03
Spirakis, C.S., OFR OF-94-12
Spurgeon, P.A., RI 3 (XI)
St. Louis University, USGS poster
Stack, Wayne, SP 10 (X)
Stanonis, F.L., SP 15 (X)
Stark, T.J., GB 1994
Statter, A.T., R 41 (X), R 48 (X)
Stauder, W., USGS MF-914
Stauder, William, USGS PP 1236
Stearns, R.G., OFR 77-228, OFR 77-230, OFR TVA-01
Steele, S.R., USGS PP 1236
Stevenson, D.L., SP 5 (XI)
Stickney, J.F., OFR OF-88-05, OFR OF-88-11
Stith, D.A., OGR
Stone, B.D., OFR OF-73-02
Stone, C.A., OFR OF-84-03
Stower, C.W., General Ky. map, OFR 81-198
Street, R., OFR OF-91-02, SP 14 (XI)
Street, R.L., R 39 (XI), R 1 (XII)
Sublett, R.B., SP 14 (X)
Sullivan, J.N., OFR 80-1225
Sullivan, D.M., SP 7 (XI)
Sukalo, Harry, SP 6 (XI)
Sutton, A.H., USGS MF-2
Sutton, D.G., CR 6 (X), OFR OF-82-02, Oil and natural gas map
Sutton, E.M., SP 3 (XI)
Swansberg, C.A., USGS PP 1236
Sweet, W.C., OFR 84-270, R 29 (X)
Swisselm, R.V., Jr., OFR USGS-14, OFR USGS-16
T
Taylor, A.R., USGS B 1435-D
Taylor, P.B., RI 6 (XI), RI 10 (XI)
Teaford, N.K., USGS MF-1348-A
Teoh, K.W., IC 29 (XI)
Tewalt, S.J., OFR OF-94-12
Thacker, E.E., MCS 20 (XI)
Thelin, G.P., USGS 12206
Thies, J.L., MCS 12 (XI)
Thomas, G.R., SP 8 (X)
Thomas, R.N., GB 1973
Thompson, M.F., IC 51 (XI)
Thorman, C.T., USGS PP 1126-A-J
Thrallkill, John, GB 1984, SP 12 (XI)
Thurston, W.R., USGS B 1012-E-F
Tibbs, J.S., GB 1973, SP 22 (X)
Tierney, John, SP 12 (XI)
Tilling, R.I., USGS report
Townsend, P.S., SP 10 (X)
Trace, R.D., GB 1986, IC 14 (XI), Misc. KGS repts., OFR OF-84-07, SP 22 (X), USGS B 1012-C-D, USGS B 1042-S, USGS B 1122-E, USGS PP 1151-D
Trask, N.J., OFR 82-509
Treworgy, C.G., OFR OF-94-12
Treworgy, J.D., Cross sections, OFR OF-94-12
Tschudy, R.H., USGS PP 643-F, USGS PP 743-B, USGS PP 743-C, USGS PP 865
Tschudy, R.H., OFR USGS-17, OFR USGS-18, OFR USGS-19, OFR
U
Udegbunam, Emmanuel, OFR OF-94-12
Ullom, B.P., OFR OF-89-02
University of Cincinnati, RI 13 (X), RI 11 (XI)
Unrug, K.F., OFR OF-83-07
U.S. Army Corps of Engineers, OGR

V
Van Couvering, J.A., IC 8 (X), IC 12 (X)
Van Den Berg, Jacob, R 25 (X), R 30 (X), R 33 (X), R 42 (X), R 14 (XI), R 16 (XI), R 18 (XI), R 21 (XI)
VanArsdale, R.B., R 34 (XI), USGS PP 1538-A–C
Varnes, K.L., OFR 93-596
Vincent, J.K., SP 14 (X)
Vincent, J.W., TS 4 (X)
Vine, J.D., OFR USGS-30

W
Walker, B.J., AONGRC
Walker, Dan, IC 33 (XI), MCS 6 (XI), SP 18 (XI)
Walker, E.H., USGS WSP 1328, USGS WSP 1411
Walker, E.H., OFR OF-50-01, Oil and natural gas map, R 18 (XI), R 21 (XI), SP 4 (X), SP 10 (X), SP 15 (X)
Walker, L.G., USGS PP 1066-M
Wang, Z., R 39 (XI), R 1 (XII)
Warshauer, S.M., USGS 1066-H
Washington University, OFR OF-67-02
Watkins, J.S., Gravity and magnetic map, OFR OF-63-01, OFR USGS-31
Watson, A.E., IC 57 (XI), MCS 11 (XI)
Watson, P.J., SP 12 (XI)
Watson, W.A., Jr., SP 7 (XI)
Webb, E.J., SP 18 (X), SP 21 (X), SP 2 (XI)
Webb, J.S., IC 60 (XI), IC 1 (XII)
Webber, F.R., USGS PP 1126-A–C
Weber, Licia, OFR OF-94-12
Weisenfluh, G.A., IC 40 (XI), IC 42 (XI), IC 43 (XI), IC 47 (XI), IC 59 (XI), MCS 20 (XI)
Welch, S.W., Structural and areal map, USGS B 1042-P
Weld, B.A., OFR C-428
Weller, Stuart, Structural and areal map, USGS MF-2
Wellman, Paul, SP 3 (XI)
Wesnovsky, S.G., USGS PP 1538-H
Whaley, P.W., GB 1979
Wheeler, R.C., USGS PP 1538-M
Wheeler, R.L., OFR OF-94-12
Whieldon, C.E., SP 1 (X)
Whitaker, S.T., Cross section
Whitehead, N.H., III, OFR OF-76-04
Whitesides, D.V., IC 6 (X), IC 7 (X), IC 18 (X), IC 21 (X)
Whitlow, S.I., USGS PP 1298
Wickstrom, L.H., SP 18 (XI)
Wieland, D.R., SP 21 (X), SP 2 (XI)
Williams, J.S., USGS B 1012-A–B
Williams, R.M., OFR OF-99-03
Williamson, A.D., B 2 (XI), IC 1 (XI), OFR 81-790, OFR OF-82-02, R 20 (XI)
Willingers, G.R., OFR 80-685
Wilson, C.W., Jr., OFR TVA-01
Wilson, E.N., IC 12 (X), OFR OF-66-03, OFR OF-73-04, OFR OF-74-03, OFR OF-75-06, OFR OF-79-10, OFR OF-79-11, Oil and natural gas map, RI 2 (XI), SP 10 (X), SP 14 (X), SP 15 (X)
Wilson, J.L., SP 21 (X)
Wilson, R.C., SP 12 (XI)
Wilson, R.T., GB 1991
Wong, A.S., R 36 (XI)
Wood, E.B., OFR OF-48-01
Woolery, E.W., R 39 (XI), R 1 (XII)
Worl, R.G., SP 22 (X)
Wright, E.M., GB 1991
Wunsch, D.R., OFR OF-95-01, R 31 (XI), RI 6 (XI), RI 10 (XI), TS 5 (XI)

Y
Yost, A.B., II, SP 6 (XI)
Young, D.M., OFR OF-31-01
Young, R.N., SP 21 (X)

Z
Zafar, J.S., OFR OF-79-11, RI 2 (XI)
Zartman, R., OFR OF-94-12
Zehner, H.H., OFR 79-1329
Zelt, F.B., OFR OF-94-10
Zhou, Huitang, IBS 3, OFR OF-94-12
Zoback, M.D., USGS PP 1236
Zogorski, J.S., OFR 76-86
## Geographic Index

**A**
- Adair County, SP 21 (X), SP 3 (XI), Structural and areal map, USGS HA-35
- Adams 7.5-min. quadrangle, USGS B 1526
- Adolphus 15-min. quadrangle, Topographic map
- Alabama, SP 2 (XI), USGS poster
- Alaska, USGS PP 1126-A–J
- Alexandria 15-min. quadrangle, Topographic map
- Alexandria-Ashland Highway, GB 1991
- Allen County, CR 1 (X), USGS HA-32, USGS WSP 1528
- Alton 15-min. quadrangle, Topographic map
- Anderson County, Gravity and magnetic map, USGS HA-24
- Appalachia, AONGRC, SP 4 (X), SP 8 (X), USGS B 1252-F, USGS PP 1126-A–J
- Appalachian Basin, B 3 (XI), IC 55 (XI), OFR OF-83-03, OFR OF-83-09, OFR OF-88-14, OFR OF-92-02, R 38 (XI), R 40 (XI), SP 18 (X), SP 9 (XI), USGS PP 1298, USGS PP 1451
- Appalachian Plateau, R 30 (XI), SP 2 (XI)
- Arizona, USGS PP 1126-A–J
- Arkansas, Misc. map, OFR 77-228, OFR 77-229, OFR 77-230, OFR USGS-28, USGS poster, USGS PP 1236, USGS PP 1538-A–C, USGS PP 1538-J
- Arlington 7.5-min. quadrangle, USGS HA-183

**B**
- Bandana 7.5-min. quadrangle, USGS HA-176
- Barkley Lake, IC 14 (X)
- Barlow 7.5-min. quadrangle, USGS HA-186
- Barren County, USGS HA-32, USGS WSP 1528
- Bartheil 15-min. quadrangle, Topographic map
- Bath County, OFR OF-64-01, USGS HA-18
- Bayouville 15-min. quadrangle, Topographic map
- Beattyville 15-min. quadrangle, Topographic map
- Beaver Creek Basin, USGS PP 427-A, USGS PP 427-B, USGS PP 427-C
- Beaver Creek Wilderness Area, OFR USBM-01, USGS MF-1348-A, USGS MF-1348-B, USGS MF-1348-D
- Beaver Dam 30 X 60 min. quadrangle, MCS 19 (XI), Topographic map
- Beckley 30 X 60 min. quadrangle, Topographic map
- Beech Grove 7.5-min. quadrangle, Bedrock topography map
- Bell County, Cross section, GRI, IC 5 (XI), USGS HA-38
- Benton 15-min. quadrangle, Topographic map
- Berea, Structural and areal map
- Bernheim Forest, SP 13 (X)
- Big Bone Lick, OGR
- Big Pitman Creek, OFR USGS-25
- Big Pitman Creek Basin, RI 4 (X)
- Big Sandy District, IMMR, IX 20 (XI), OFR OF-86-04
- Birmingham Point 7.5-min. quadrangle, USGS HA-159
- Blaine 7.5-min. quadrangle, USGS B 1526
- Blandville 7.5-min. quadrangle, USGS HA-184
- Blue Grass Region, OFR OF-86-00, Structural and areal map, USGS HA-34
- Calhoun 7.5-min. quadrangle, Bedrock topography map
- California, USGS PP 1126-A–J
- 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
Caudleburg, 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
Corinthville 15-min. quadrangle, USGS MAP C-22
Covington, OFR USGS-13
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
Elkton, USGS B 1142-B
Elkton 7.5-min. quadrangle, Structural and areal map
Elliott County, GRI, Structural and areal map, TS 2 (XI), USGS B 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
Farmington 7.5-min. quadrangle, USGS HA-92
Fayette County, Gravity and magnetic map, IC 4 (XI), OFR USGS-06, GOR, 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
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
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 S (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-86-05, 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, 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


**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-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 (XI), 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**

**Loveland 7.5-min. quadrangle, USGS HA-172**

**Lynn Grove 7.5-min. quadrangle, USGS HA-112**

**Lynnville 7.5-min. quadrangle, USGS HA-125**

**Lyons 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**
Russell County, Rushing Creek 7.5-min. quadrangle, Rocky Branch, Rockcastle County, Robinson Forest, Salyersville North 7.5-min. quadrangle, Rowan County, Schwenk, Salyersville South 7.5-min. quadrangle, Salyersville, Sacramento 7.5-min. quadrangle, Robertson County, Reed 7.5-min. quadrangle, Pine Mountain, IC 1 (XI), IC 34 (XI), IC 41 (XI), RI 14 (X), SP 24 (X), SP 12 (XI), Pleasant Grove Spring Basin, OFR OF-93-07, Plum Creek, USGS WSP 1798-G, Powell County, OFR OF-62-04, OFR OF-64-01, USGS HA-19, Prestonsburg, MCS 2 (XI), Prestonsburg 7.5-min. quadrangle, USGS WSP 1359, Princess District, IC 18 (XI), IMMR, OFR OF-86-08, USGS PP 839, Pulaski County, RI 20 (X), TS 2 (X), USGS HA-35, R
Reed 7.5-min. quadrangle, Bedrock topography map, Robertson County, USGS HA-16, Robinson Forest, OFR OF-95-01, Rockcastle County, Structural and areal map, USGS HA-38, Rocky Branch, RI 3 (XI) Rowan County, CR 2 (XI), GRL, OFR 85-145, USGS B 1122-F, USGS HA-17, Rushing Creek 7.5-min. quadrangle, USGS HA-160, Russell County, GB 1978, USGS HA-35, S
Sacramento 7.5-min. quadrangle, Bedrock topography map, Salineville, Flood map, Salineville North 7.5-min. quadrangle, USGS B 1047-B, Salineville South 7.5-min. quadrangle, IC 47 (XI) Schwenk, USGS B 1012-E-F, Scott County, USGS HA-25, USGS hydrologic atlas, Scottsville, USGS WSP 1528, Seitz 7.5-min. quadrangle, Structural and areal map, Senator, USGS B 1012-E-F, Sharpsburg, OFR 80-1242, Shawneetown 7.5-min. quadrangle, Bedrock topography map, Shelby County, Gravity and magnetic map, OFR OF-51-01, USGS HA-24, USGS PP 1151-B, USGS WSP 1798-G, Shelbyville, OFR OF-51-01, Shepherdsville 15-min. quadrangle, Topographic map, Sikeston 30 X 60 min. quadrangle, Topographic map, Simpson County, CR 3 (X), OFR OF-68-01, USGS HA-32, Sinking Creek, OFR OF-99-03, RI 7 (XI), Sitka 7.5-min. quadrangle, USGS B 1526, Slade, OFR OF-93-02, Slaughters 7.5-min. quadrangle, Structural and areal map, Sloans Valley, RI 20 (X), Smith Mills 7.5-min. quadrangle, Bedrock topography map, Somerset, RI 8 (X), Somerset 30 x 60 min. quadrangle, MCS 18 (XI), Southwestern District, IC 21 (XI), IMMR, OFR OF-86-09, Spencer County, USGS HA-24, Spottsville 7.5-min. quadrangle, Bedrock topography map, Stevens Hill, GB 1986, Misc. KGS rept. Sulphur Lick, SP 15 (X), Sulphur Well 7.5-min. quadrangle, Structural and areal map, Sutherland 7.5-min. quadrangle, Bedrock topography map, USGS OFR USGS-15, Symsonia 7.5-min. quadrangle, USGS HA-157, T
Taylor County, USGS HA-35, Tell City 30 X 60 min. quadrangle, Topographic map, Tennessee, Cross section, GB 1984, MCS 3 (XI), Misc. map, OFR 77-228, OFR 77-229, OFR 77-230, OFR 79-1303, OFR OF-74-03, OFR TVA-01, OFR USGS-28, RI 2 (XI), SP 1 (X), SP 21 (X), SP 7 (XI), USGS B 1252-F, USGS B 1282, USGS HA-124, USGS HA-125, USGS HA-161, USGS HA-162, USGS HA-167, USGS HA-178, USGS HA-180, USGS HA-181, USGS poster, USGS PP 1236, Tennessee Valley, B 5 (X), Tifffloon 7.5-min. quadrangle, USGS MAP C-22, Tiptop 7.5-min. quadrangle, Structural and areal map, USGS 1042-P, Todd County, Structural and areal map, USGS HA-34, Tompkinsville, SP 15 (X), Tompkinsville 30 x 60 minute quadrangle, MCS 13 (XI), Topographic map, Tradewater River Basin, USGS WSP 1940, Trigg County, OFR 78-25, USGS HA-34, USGS HA-156, USGS HA-160, Trimble County, USGS HA-23, USGS HA-97, Tripllet Creek, Flood map, Troublesome Roadless Area, USGS MF-1341-B, USGS MF-1341-C, U
U.S. Highway 27, MCS 1 (XI), Union County, SP 10 (X), USGS HA-28, USGS HA-129, Uniontown 7.5-min. quadrangle, Bedrock topography map, United Kingdom, SP 22 (X), United States, Atlantic coast, OFR 94-211, central, OFR OF-90-03, USGS PP 1538-F-G, USGS PP 1538-M, east-central, USGS MF-1712, southeastern, OFR 84-122, western, SP 22 (X), Upper Cumberland District, IC 22 (XI), IMMR, OFR OF-86-10, Upper Mississippi Valley, OFR OF-94-12, Utah, USGS PP 1126-A-J, V
Valley and Ridge Province, SP 7 (XI), Varney, USGS PP 507, Vicco 7.5-min. quadrangle, USGS MAP C-22, Vincennes 30 X 60 min. quadrangle, Topographic map, Vine Grove 15-min. quadrangle, Topographic map, Virginia, OFR 77-123, OFR 79-1303, OFR OF-79-02, RI 2 (XI), SP 14 (X), SP 7 (XI), USGS B 1142-B, W
Wabash Island 7.5-min. quadrangle, Bedrock topography map, Wabash Valley, OFR OF-94-12, Warren County, CR 6 (X), IC 11 (X), IC 7 (XI), RI 17 (X), USGS HA-32, Washington County, Gravity and magnetic map, USGS HA-21, Water Valley 7.5-min. quadrangle, USGS HA-162, Wayne County, GB 1978, USGS HA-35, Webster County, GB 1969, IC 1 (XI), Structural and areal map, USGS HA-30, West Frankfort 30 X 60 min. quadrangle, Topographic map, West Franklin 7.5-min. quadrangle, Bedrock topography map, West Virginia, SP 15 (X), SP 17 (X), USGS B 1526, Western Kentucky Coal Field, B 2 (XI),
GB 1966, IC 8 (XI), OFR OF-86-03, OFR OF-94-12, OFR USGS-26, RI 15 (X), USGS B 1394-B, USGS WSP 1599

Western Kentucky Fluorspar District, GB 1973, GB 1986, USGS MF-2, USGS PP 1151-D

Westplains 7.5-min. quadrangle, USGS HA-166

White Oak 7.5-min. quadrangle, Structural and areal map, USGS B 1047-A

Whitesburg, USGS WSP 1809-A

Whitley County, GRI, USGS HA-38

Wickliffe 7.5-min. quadrangle, USGS HA-185

Wickliffe Northwest 7.5-min. quadrangle, USGS HA-185

Wickliffe Southwest 7.5-min. quadrangle, USGS HA-183

Williamson 30 X 60 min. quadrangle, Topographic map

Wilson 7.5-min. quadrangle, Bedrock topography map

Winchester 30 X 60 min. quadrangle, General Ky. map, Linear features map, Topographic map

Wolfe County, GRI, Structural and areal map, USGS B 1020-A, USGS MAP C-42, USGS HA-37

Wolfe Island 7.5-min. quadrangle, USGS HA-182

Woodbury, OFR 53-73

Woodford County, Gravity and magnetic map, OFR OF-93-04, RI 7 (XI), RI 13 (XI), USGS HA-24

Wrigley 7.5-min. quadrangle, USGS B 1122-F

Y

Yanketown 7.5-min. quadrangle, Bedrock topography map
Subject Index

A
Abandoned mine lands, OFR OF-80-05
Acadian Orogeny, R 38 (XI)
Acid mine drainage, OFR OF-88-10
Acidizing, SP 21 (X)
Aerial photography, SP 1 (X)
Aeromagnetic intensity, Gravity and magnetic map, OFR 77-229, OFR USGS-28, OFR USGS-29
Agricultural practices, OFR OF-93-06, OFR OF-93-07, OFR OF-94-01
Alluvium, OFR USGS-11, OFR USGS-12, OFR USGS-13, USGS WSP 1411, USGS WSP 1818
Amburgy coal, OFR OF-83-10, OFR OF-83-13, OFR OF-83-16, OFR OF-83-19
American Association of Petroleum Geologists, GB 1977
Amos coal, RI 5 (XI)
Anticlines, USGS PP 1126-A–J
Archeology, SP 12 (XI)
Ash, OFR OF-81-03, OFR OF-83-03, OFR OF-83-13, OFR OF-83-14, OFR OF-83-15, OFR OF-84-02, OFR OF-95-03, RI 5 (XI)
Ashlock Formation, USGS B 1224-D
B
Babb Fault System, USGS B 1012-A–B
Barite, OFR OF-84-07
Barium, R 31 (XI)
Barlow Limestone, OFR OF-94-12
Basin-floor fans, OFR OF-83-02, SP 21 (XI)
Bedrock conditions, Misc. map
Beech Creek Limestone, OFR OF-94-12, OF-97-05, Structural and areal map
Belle Scott Quarry, OFR USGS-07
Berea Sandstone, OFR OF-83-01, OFR OF-83-02, SP 8 (X)
Berry School Field, OFR OF-94-10
Bethel Channel, SP 14 (X)
Bethel Sandstone, RI 11 (X), SP 18 (X)
Bibliographies, IC 2 (XI), IC 11 (XI), OFR C-428, OFR OF-68-03, OFR OF-80-03, OFR OF-87-06, OFR OF-88-01, OFR USGS-23, SP 19 (X), SP 23 (X), SP 1 (XI)
Big Clifty Sandstone, IC 7 (XI)
Big Four Fault System, USGS B 1042-S
Big Lime formation, OFR OF-83-05, SP 2 (XI), SP 7 (XI), SP 9 (XI)
Big Sinking Field, SP 10 (X)
Big Sinking Pool, OFR OF-62-04, OFR OF-63-03
Big Six formation, OFR OF-83-06, OFR OF-94-10
Biostратigraphy, OFR 84-270, USGS PP 1451
Black River Group, MCS 5 (XI)
Black shale, General Ky. map, GRI, Isopach and structure map, OFR 79-1303, OFR OF-80-02, OFR OF-94-11, OFR USGS-30, RI 2 (XI), SP 8 (X), SP 3 (XI), SP 5 (XI), SP 6 (XI), SP 9 (XI), SP 11 (XI)
Black Warrior Basin, SP 2 (XI)
Blackhawk Formation, USGS PP 1126-A–J
Blocher Member, Isopach and structure map
Bon Harbor Pool, SP 8 (X)
Bouguer gravity, Gravity and magnetic map, OFR OF-63-01, OFR OF-76-05
Boyle Limestone, OFR OF-50-01
Brachiopods, USGS PP 1066-L, USGS PP 1066-M, USGS PP 583-A
Breathitt Formation, OFR OF-86-06, RI 3 (XI), USGS PP 1151-G
Brine, OFR USGS-08, RI 2 (X), RI 4 (X)
Brown shale, SP 21 (X)
Brownsville Paleovalley, RI 21 (X)
Bryozoans, USGS 1066-I
Bu, OFR OF-81-04, OFR OF-83-16, OFR OF-83-17, OFR OF-83-18, OFR OF-84-04
C
Calcium, B 5 (X), General Ky. map, IC 14 (X), IC 34 (XI), IC 41 (XI), IC 53 (X), R 39 (X)
Calloway Creek Limestone, USGS B 1224-D
Cambrian Period, IC 54 (XI), OFR OF-94-12, Oil and natural gas map, R 44 (XI), RI 4 (XI), RI 12 (XI), SP 14 (X), SP 15 (X), SP 17 (X), SP 18 (X), SP 21 (X), SP 3 (XI), TS 4 (XI)
Camp Nelson Limestone, IC 51 (XI)
Cane Valley Limestone, RI 13 (X)
Carbonates, IC 22 (X), IC 4 (XI), IC 53 (XI), IC 55 (XI), OFR 81-509, OFR OF-68-03, OFR OF-94-12, R 28 (XI), RI 18 (X), SP 21 (X)
Carbondale Formation, OFR USGS-26, RI 6 (X)
Carboniferous Period, B 3 (XI), GB 1990, OFR 75-316, OFR OF-88-14, OFR OF-93-02, R 5 (XI)
Carter coordinate map, General Ky. map
Carter coordinate system, General Ky. Map, OF-88-04
Cartography, SP 17 (X)
Caseville Formation, OFR OF-88-06
Caves, SP 12 (XI)
Cement slurries, SP 15 (X)
Cenozoic Era, GB 1974
Ceramic clays, USGS B 1282
Chaeetella, IC 14 (XI)
Chattanooga Shale, Isopach and structure map, Structural and areal map
Chesterian Series, B 5 (XI), Misc. KGS Rept., OFR OF-67-01, OFR OF-94-12, SP 2 (XI)
Chromatography, SP 6 (XI)
Cincinnati Arch, OFR OF-33-01, OFR OF 89-02, USGS PP 1151-C, USGS PP 1151-F
Clastics, OFR OF-94-12
Clay, IC 5 (X), OFR OF-82-05, R 3 (X), R 5 (X), RI 3 (X), RI 12 (X), USGS B 1122-F, USGS B 1282, USGS MF-261, USGS PP 1298
Clays Ferry Formation, USGS B 1066-H, USGS B 1224-B, USGS PP 1066-I
Clean Air Act Amendments of 1990, IC 38 (XI), SP 21 (XI)
Cleveland Shale Member, Isopach and structure map
Clinometric map, Topographic map
Clinton Field, SP 7 (XI)
Clinton formation, OFR OF-83-06
Coal, IC 59 (XI)
Availability, OFR OF-88-05, OFR OF-90-02
Balls, OFR OF-81-12
Compliance, OFR OF-84-03, GB 1981, IC 11 (XI), IC 23 (XI), IC 8 (XI), IC 9 (XI), IC 12 (XI), IC 13 (XI), IC 18 (XI), IC 19 (XI), IC 20 (XI), IC 21 (XI), IC 22 (XI), IC 23 (XI), IC 29 (XI), IC 38 (XI), IC 40 (XI), IC 42 (XI), IC 43 (XI), IC 47 (XI), IC 48 (XI), IMMR
Liquefaction, SP 3 (XI), SP 9 (XI), OFR 81-1215, OFR OF-79-02, OFR OF-81-02, OFR OF-81-03, OFR OF-81-04, OFR OF-81-05, OFR OF-83-10, OFR OF-83-11, OFR OF-83-12, OFR OF-83-13,
Geologic hazards, OGR, USGS PP 1538–F–G, USGS PP 1538–M
Geologic map, General Ky. map, Index map, Misc. KGS Rept., SP 14 (X), USGS C 801, USGS PP 1151–H
Geological surveys, R 3 (X)
Geomorphology, R 3 (XI), USGS PP 488
Geophysical logs, IC 12 (X), OFR OF–94–12
Geophysics, OFR OF–94–12, SP 15 (X), SP 2 (XI), SP 3 (XI), SP 5 (XI), SP 7 (XII), USGS PP 1538–E
GIS, OFR OF–94–12
Golconda Formation, IC 7 (XI)
Gradyville East Field, SP 21 (X)
Grassy Creek Member, Isopach and structure map
Gravel, RI 1 (XI), RI 8 (X)
Greensburg Oil Field, RI 2 (X)
H
Handyville Pool, SP 4 (X)
Haney Limestone, TS 4 (X)
Hanson Creek Formation, USGS PP 1126–A–J
Hanson Pool, SP 8 (X)
Harrodsburg Limestone, USGS B 1224–1
Hazard coal, OFR OF–86–06
Hazel Patch Sandstone, R 42 (XI)
Heat flow, USGS PP 1236
Habeltella dalmanella, USGS PP 1066–M
Heterothina, USGS PP 1066–M
High Bridge Group, IC 22 (X), IC 4 (XI), IC 53 (XI), MCS 5 (XI), RI 18 (X)
Highway map, General Ky. map, Misc. map
Holocene Epoch, OFR 96–724
Huron Shale Member of the Ohio Shale, Isopach and structure map
Hyden West Pool, SP 7 (XI)
Hydrogeology, GB 1984, RI 11 (XI)
Hydrology, RI 15 (X), USGS WSP 2220

I
Ichnology, OFR OF–94–12
Illinois Basin Coal Planning, Assistance Project, OGR
Illinois Basin Consortium, Cross section, GB 1989
Indiana–Kentucky Geological Society, GB 1973
Industrial minerals, General Ky. map, IC 25 (XI), IC 6 (XI), R 1 (X), R 4 (X), R 7 (X), R 9 (X), R 11 (X), R 13 (X), R 16 (X), R 18 (X), R 21 (X), R 22 (X), R 24 (X), R 27 (X), R 32 (X), R 34 (X), R 37 (X), R 40 (X), R 43 (X), R 45 (X), R 47 (X), R 6 (XI), R 9 (XI), R 10 (XI) R 12 (XI), R 13 (XI), R 15 (XI), R 17 (XI), R 19 (XI), R 23 (XI), R 24 (XI), R 26 (XI), R 27 (XI), R 32 (XI), R 33 (XI), R 35 (XI), R 37 (XI), R 43 (XI), SP 23 (X)

J
Java Formation, Isopach and structure map
Jetha Knob, R 28 (X), USGS PP 1151–B, USGS PP 1151–C

K
Kentucky Coal Resources Information System, OFR OF–89–01
Kentucky Geological Survey, Misc. KGS Rept.
Kentucky Oil and Gas Association, OFR OF–94–10, OFR OF–94–11, SP 1 (X), SP 4 (X), SP 8 (X), SP 10 (X), SP 14 (X), SP 15 (X), SP 17 (X), SP 18 (X), SP 21 (X), SP 3 (XI), SP 5 (XI), SP 6 (XI), SP 7 (XI), SP 9 (XI), SP 11 (XI)
Kentucky Oil and Gas Association technical sessions proceedings, OFR OF–94–10, OFR OF–94–11, SP 1 (X), SP 4 (X), SP 8 (X), SP 10 (X), SP 14 (X), SP 15 (X), SP 17 (X), SP 18 (X), SP 21 (X), SP 3 (XI), SP 5 (XI), SP 6 (XI), SP 7 (XI), SP 9 (XI), SP 11 (XI)
Kentucky Oil and Gas Conservation Act of 1960, SP 4 (X)
Kentucky River Fault System, GB 1975, MCS 1 (XI), R 34 (XI)
Kenwood Siltsand Member, USGS PP 1007
Kettlebottoms, OFR OF–88–03
Kimberlites, TS 2 (XI)
Kinkaid Limestone, IC 14 (XI)
Knifley Sandstone, RI 13 (X)
Knox Dolomite, SP 21 (X), SP 5 (XI)
Knox Group, RI 4 (XI), RI 12 (XI), SP 10 (X), SP 5 (XI), TS 4 (XI)
Kyrock Sandstone, RI 21 (X)

L
Lacustrine deposits, OFR OF–94–01
Landfills, Misc. map, OGR, USGS–77–01
Landslides, OFR USGS–04, USGS B 2059–B, USGS PP 1538–D
Lapies-type features, R 3 (XI)
LaSalle Anticlinorium, OFR OF–94–12
Latitude, OF–88–04
Laws, R 29 (XI), SP 10 (X), SP 7 (XI), SP 11 (XI)
Lee Formation, R 40 (XI), R 41 (XI), SP 21 (X), USGS PP 1151–G
Lexington and Fayette County Planning Commission, OGR
Lignite, OFR OF–82–03
Lime, IC 31 (XI), IC 49 (XI)
Limestone, B 4 (X), B 5 (X), General Ky. map, IC 14 (XI), IC 31 (XI), IC 49 (XI), OGR, USGS PP 1151–A–J
Lithology, OFR 82–219, OGR, OFR–83–24, OFR OF–84–08, OGR USGS–07
Lithostratigraphy, OFR OF–94–12
Livengood Dome Chert, USGS PP 1126–A–J
Logging, OGR, OFR OF–81–01, SP 4 (X), SP 8 (X), SP 10 (X)
Longitude, OF–88–04
Lost River Chert, R 31 (X)
Lower Huron Shale, Isopach and structure map
Mammoth Cave, SP 12 (XI)

Stray Weir sand, OFR OF-74-04, OFR OF-74-05

Strodes Creek Member, USGS B 1372-C

Strong motion records, OFR OF-91-02

Structural geology, B 3 (XI), B 5 (XI), GB 1967, GB 1975, GB 1986, GB 1988, GB 1994, Gravity and magnetic map, Isopach and structure map, MCS 1 (XI), MCS 5 (XI), MCS 8 (XI), OFR OF-82-02, OFR OF-83-09, OFR OF-89-02, OFR OF-94-11, OFR OF-94-12, OFR OF-95-02, OFR OF-97-01, OF-97-05, OFR USGS-02, R 28 (X), R 34 (XI), R 44 (XI), R 12 (XI), R 1 (XII), SP 15 (X), SP 21 (X), SP 22 (X), SP 2 (XI), SP 7 (XI), SP 18 (XI)


Sturgis Formation, USGS B 1394-B

Sulfate, USGS MF-865-F

Sulfur, IC 29 (XI), IC 31 (XI), IC 38 (X), OFR OF-81-05, OFR OF-83-19, OFR OF-83-20, OFR OF-83-21, OFR OF-94-12, R 28 (XI), R 1 5 (XI)

Surface management map, Topographic map

Sweetland Creek Member, Isopach and structure map

Synthetic fuels, OGR

T

Tabb Fault System, OFR OF-84-07

Tar sands, IC 7 (XI), OFR OF-94-12, R 11 (XI), RI 19 (X)

Taxes, SP 1 (X), SP 4 (X), SP 10 (X)


Tertiary Period, OFR USGS-17, OFR USGS-18, OFR USGS-19, OFR USGS-20, OFR USGS-21, OFR USGS-22

Thermal maturation, OFR OF-94-12

Three Lick Bed, Isopach and structure map

Tintina Fault, USGS PP 1126-A-J

Topographic map, General Ky. map, Index map, Topographic map

Topography, RI 13 (XI), SP 25 (X)

Total dissolved solids, OFR OF-94-12

Trace elements, IC 48 (XI), OFR OF-94-12, USGS B 1252-F

Trace fossils, R 41 (XI)

Tradewater Formation, OFR OF-94-12, OFR USGS-26

Trempealeauan Stage, SP 14 (X)

Triticites, USGS B 583-B

Turfgrass, OFR OF-99-03

U

U.S. Environmental Protection Agency, IC 29 (XI)

U.S. Geological Survey-Kentucky Geological Survey Geologic Mapping Program, SP 4 (X), SP 14 (X), SP 17 (X), USGS C 801

Ullin Limestone, OFR OF-94-12

Unconventional gas, OFR OF-85-01

Underground storage, SP 10 (X)

University of Kentucky Institute for Mining and Minerals Research, IMMR, SP 9 (XI)

Upper Elkhorn No. 3 coal, OFR OF-81-02, OFR OF-81-03, OFR OF-81-04, OFR OF-81-05

Upper Huron Shale Member, Isopach and structure map

Upper Mississippi Valley Zinc District, OFR OF-94-12

Upper Olentangy Shale, Isopach and structure map

V

Vienna Limestone, Structural and areal map

Volcanoes, USGS poster

W

Wabash Valley Fault System, SP 7 (XI)

Wabash Valley Rift, OFR OF-94-12

Warsaw Formation, USGS B 1435-D

Warsaw Limestone, OFR OF-94-12


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


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