

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Bibliographies and location maps of publications on  
aeromagnetic and aeroradiometric surveys for the states east of  
the Mississippi River and south of the Ohio and Potomac Rivers

by

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Open-File Report 91-370-D

1991

This report is preliminary and has not been reviewed for conformity with  
U.S. Geological Survey editorial standards.

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GENERAL INFORMATION FOR THE  
AEROMAGNETIC AND AERORADIOMETRIC INDEXES

Bibliographies and location maps of selected publications containing aeromagnetic and/or aeroradiometric data have been compiled for each state. These state indexes have been grouped together to form six open-file reports: four for the conterminous United States (see index map below), one for Alaska and Hawaii, and one for Puerto Rico and large areas of the United States (U.S. Regional). The Department of Energy (DOE) National Uranium Resource Evaluation (NURE) Program publications are included in the Area reports.



The open-file report numbers in this series are:

|        |             |                      |             |
|--------|-------------|----------------------|-------------|
| Area 1 | OF 91-370-A | Area 4               | OF 91-370-D |
| Area 2 | OF 91-370-B | Hawaii and Alaska    | OF 91-370-E |
| Area 3 | OF 91-370-C | Puerto Rico and U.S. | OF 91-370-F |

In addition to U.S. Geological Survey (USGS) publications, the indexes include maps and interpretation reports published by various states, universities, other government agencies, professional societies, and a few by private industry which are available only from those sources. These sources are given in each index if their availability is known.

General information on USGS airborne coverage can be obtained from: U.S. GEOLOGICAL SURVEY, BRANCH OF GEOPHYSICS, FEDERAL CENTER, BOX 25046, MS 964, DENVER, CO 80225 (303-236-1343, FTS 776-1343; messages 303-236-1212, FTS 776-1212).

## GENERAL INFORMATION (cont'd)

### PUBLICATIONS

Unless otherwise noted, professional papers, bulletins, open-file reports, etc., are USGS publications. Many of the publications listed are Geophysical Investigations Maps (GP) and other USGS maps (MF, I, etc.). These may be purchased from: U.S. GEOLOGICAL SURVEY, MAP DISTRIBUTION, FEDERAL CENTER, BLDG. 810, BOX 25286, DENVER, CO 80225 (303-236-7477, FTS 776-7477). Requests originating in Alaska for maps of Alaska may be sent to: U.S. GEOLOGICAL SURVEY, ALASKA DISTRIBUTION SECTION, NEW FEDERAL BLDG., BOX 12, 101 TWELFTH AVENUE, FAIRBANKS, AK 99701.

Professional papers and bulletins that are not out of print can be purchased over the counter from the USGS Public Inquiries Offices located in Anchorage, Dallas, Denver, Los Angeles, Menlo Park, Reston, Salt Lake City, San Francisco, Spokane, and Washington, D.C. They may also be purchased by mail from: U.S. GEOLOGICAL SURVEY, BOOKS AND OPEN-FILE REPORTS, FEDERAL CENTER, BLDG. 41, BOX 25425, DENVER, CO 80225 (303-236-7476, FTS 776-7476). Do not mix map and book orders!

Most all USGS open-file reports are available in microfiche or paper copies from the address above. They are available only by mail. Open-file reports may be examined at libraries and certain offices of the USGS, State Surveys and universities. These locations are noted in each state index.

Dept. of Energy - NURE Program reports are now being handled by the USGS. They are available, by mail only, in microfiche or paper copies from the USGS BOOKS AND OPEN-FILE REPORTS address above. These reports may be examined at the USGS libraries and certain State Survey offices.

Prices for USGS publications are published in the monthly listing "New Publications of the Geological Survey". Current price and availability information for older publications and the NURE Program reports can be obtained by contacting the appropriate location listed above. Prepayment is required when ordering.

Some of the publications listed are in professional journals, technical books and out-of-print government books/reports. These may be viewed at USGS libraries and many university and public libraries.

### DIGITAL DATA

Most of the post-1972 USGS airborne data and certain other data sets are available in digital form. Information on which areas are available and duplication costs can be obtained from: NATIONAL GEOPHYSICAL DATA CENTER, NOAA, CODE E/GC12, 325 BROADWAY, BOULDER, CO 80303 (303-497-6128, FTS 320-6128).

The digital data from the NURE Program and certain whole state and large area merged data sets are available from: U.S. GEOLOGICAL SURVEY, EROS DATA CENTER, USER SERVICES, SIOUX FALLS, SD 57198 (605-594-6511, FTS 784-7511).

# ALABAMA AIRBORNE INDEX

(see U.S. Regional Index for additional publications)

(Repository and some source locations are listed below)

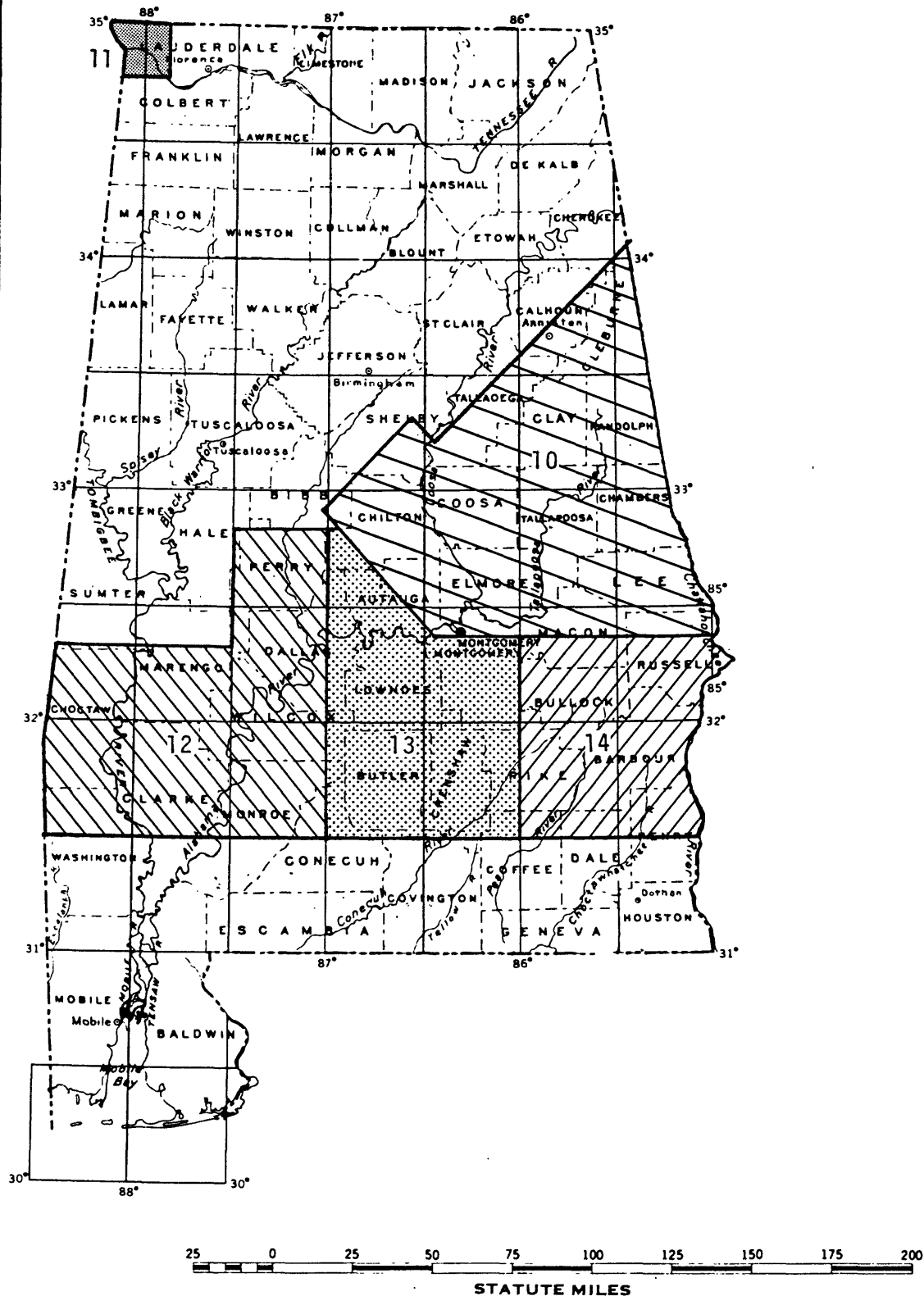
Map ref.

|  |                |
|--|----------------|
| Preliminary interpretation of aeromagnetic and aeroradioactivity maps of the Alabama Piedmont, by T. N. Neathery, R. D. Bentley, M. W. Higgins, and Isidore Zietz, Geology, v. 4, no. 6, p. 375-381, 1976.....   | 10             |
| General geology, geophysics, and seismicity of northwest Alabama, by J. T. Kidd, 79 p., U.S. Nuclear Reg. Comm. Rept. NUREG/CR-1519, 1980.....<br>(Copies available from 5)  | 11             |
| Aeromagnetic map of southwestern Alabama, 11 sheets, scale 1:62,500, OF Rept. 83-603, 1983.....  | 12             |
| Aeromagnetic map of southeastern Alabama, 6 sheets, scale 1:62,500, OF Rept. 83-610, 1983.....   | 13             |
| Aeromagnetic map of south-central Alabama, 9 sheets, scale 1:62,500, OF Rept. 83-611, 1983.....  | 14             |
| Truncation of the Appalachian Piedmont beneath the coastal plain of Alabama; evidence from new magnetic data, by J. W. Horton, Jr., Isidore Zietz, and T. L. Neathery, Geology, v. 12, no. 1, p. 51-55, 1984.....<br>(Coverage is less than shown; extends only to 87°30' to the west) | 12, 13<br>& 14 |

U.S.G.S. open-file reports are available for viewing at 1, 2, 3, 4.

1. U.S.G.S. Library, Rm. 4-A-100, 12201 Sunrise Valley Dr., Reston, VA 22092
2. U.S.G.S. Library, Rm. C2002, Bldg. 20, Federal Center, Box 25046, Stop 914, Denver, CO 80225
3. U.S.G.S. Library, 345 Middlefield Rd., Menlo Park, CA 94025
4. Geological Survey of Alabama, P.O. Drawer O, University, AL 35486
5. N.T.I.S., 5285 Port Royal Rd., Springfield, VA 22161

# ALABAMA



# FLORIDA AIRBORNE INDEX

(see U.S. Regional Index for additional publications)

(Repository and some source locations are listed on page 7 except where noted.)

Map ref.

|  |                |
|--|----------------|
| Airborne radioactivity surveys for phosphate in Florida, by R. M. Moxham,<br>4 p., Circular 230, 1954.....   | 10             |
| Airborne radioactivity survey in the Folkston area, Charlton County,<br>Georgia, and Nassau County, Florida, by R. M. Moxham, scale 1:62,500,<br>GP-119, 1954.....                               | 11             |
| Airborne radioactivity survey of the Fort Myers area, Charlotte and Lee<br>Counties, Florida, by J. L. Meuschke, scale 1:62,500, GP-121, 1954(1955)..  | 12             |
| Airborne radioactivity survey of the Gardner area, De Soto, Hardee,<br>Manatee, and Sarasota Counties, Florida, by J. L. Meuschke, scale<br>1:62,500, GP-122, 1955.....                          | 13             |
| Geologic features of areas of abnormal radioactivity, south Ocala, Marion<br>County, Florida, by G. H. Espenshade, Bulletin 1046-J, p. 205-219, 1958...  | 14             |
| Airborne radioactivity surveys in geologic exploration, by R. M. Moxham,<br>Geophysics, v. 25, no. 2, p. 408-432, 1960.....  | 14             |
| Regional magnetic map of Florida, by E. R. King, Am. Assoc. of Pet. Geol.<br>Bull., v. 43, no. 12, p. 2844-2854, 1959.....<br>(Coverage is a combination of ground and airborne magnetics)       | whole<br>state |
| Magnetic anomalies off eastern North America, by C. L. Drake, J. Heirtzler,<br>and J. Hirshman, Jour. Geophys. Res., v. 68, no. 18, p. 5259-5275, 1963...<br>(Coverage extends into the Bahamas) | whole<br>state |
| Aeromagnetic map of Melbourne and vicinity, Brevard County, Florida, by<br>W. J. Dempsey and F. P. Gilbert, scale 1:62,500, GP-425, 1963.....  | 15             |
| (Aeroradioactivity survey) Orlando area (ARMS-II), by R. B. Guillou, 19 p.,<br>3 sheets, scale 1:250,000, U.S. Atomic Energy Comm. Rept. CEX 63.6.1, 1966.<br>(Copies available from 4)          | 16             |
| Aeromagnetic map of part of the Apalachicola 1° by 2° quadrangle,<br>Florida, scale 1:250,000, OF Rept. 78-714, 1978.....  | 17             |
| Aeroradioactivity map of part of the Apalachicola 1° by 2° quadrangle,<br>Florida, scale 1:250,000, OF Rept. 78-715, 1978.....   | 17             |
| Aeromagnetic map of part of the Pensacola 1° by 2° quadrangle, Florida,<br>scale 1:250,000, OF Rept. 78-716, 1978.....   | 18             |
| Aeroradioactivity map of part of the Pensacola 1° by 2° quadrangle,<br>Florida, scale 1:250,000, OF Rept. 78-717, 1978.....  | 18             |

# FLORIDA AIRBORNE (cont'd)

Map ref.

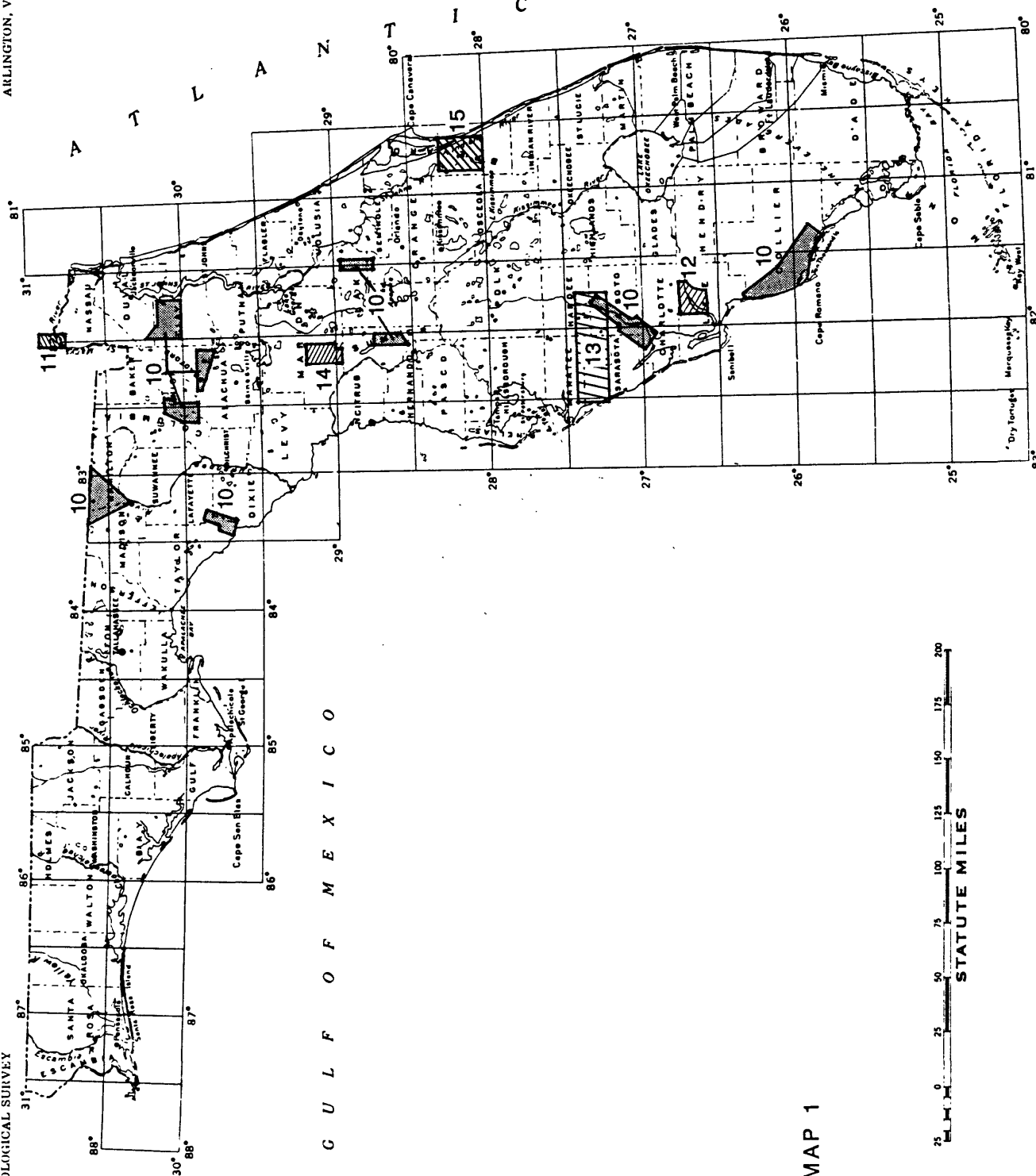
|   |                    |
|---|--------------------|
| Aeroradioactivity map of northern Florida, 2 sheets, scale 1:250,000,<br>OF Rept. 78-760, 1978.....   | 19                 |
| Aeromagnetic map of northern Florida, 2 sheets, scale 1:250,000,<br>OF Rept. 78-891, 1978.....  | 19                 |
| Aeromagnetic map of north-central Florida, scale 1:250,000,<br>OF Rept. 78-761, 1978.....   | 20                 |
| Aeroradioactivity map of north-central Florida, scale 1:250,000,<br>OF Rept. 78-763, 1978.....  | 20                 |
| Geologic interpretation of the gamma-ray aeroradiometric maps of<br>central and northern Florida, by A. E. Grosz and others, 48 p.,<br>5 plates, scale 1:500,000, Prof. Paper 1461, 1989..... | 17, 18,<br>19 & 20 |

U.S.G.S. open-file reports for Florida are available for viewing at 1, 2, 3.  
Additional locations for viewing reports which overlap into adjacent  
states are listed in that state's index.

1. U.S.G.S. Library, Rm. 4-A-100, 12201 Sunrise Valley Dr., Reston, VA 22092
2. U.S.G.S. Library, Rm. C2002, Bldg. 20, Federal Center, Box 25046,  
Stop 914, Denver, CO 80225
3. U.S.G.S. Library, 345 Middlefield Rd., Menlo Park, CA 94025
4. N.T.I.S., 5285 Port Royal Rd., Springfield, VA 22161



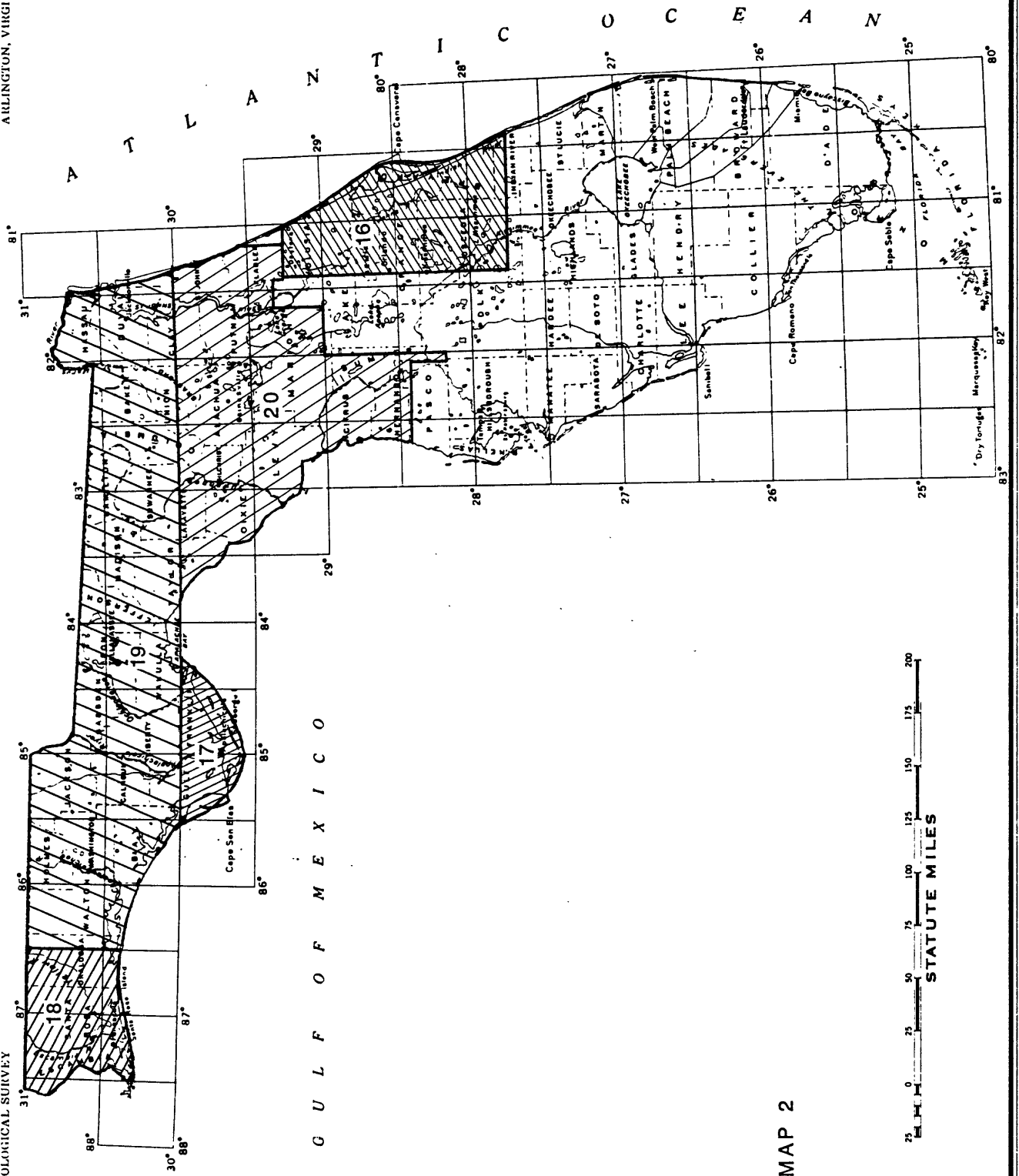
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



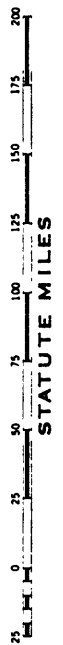
TOPOGRAPHIC DIVISION  
ATLANTIC REGION  
ARLINGTON, VIRGINIA

# FLORIDA

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



MAP 2



# GEORGIA AIRBORNE INDEX

(see U.S. Regional Index for additional publications)

(Repository and some source locations are listed on page 12 except where noted.)

Map ref.

|   |         |
|---|---------|
| Airborne radioactivity survey in the Folkston area, Charlton County, Georgia, and Nassau County, Florida, by R. M. Moxham, scale 1:62,500, GP-119, 1954.....  | 10      |
| Natural gamma aeroradioactivity of the Savannah River Plant area, South Carolina and Georgia, by R. G. Schmidt, scale 1:250,000, GP-306, 1961.....  | 11      |
| Aeroradioactivity survey and areal geology of the Savannah River Plant area, South Carolina and Georgia (ARMS-I), by R. G. Schmidt, 42 p., scale 1:250,000, U.S. Atomic Energy Comm. Rept. CEX-58.4.2, 1962.....<br>(Copies available from 7) | 11      |
| Aeromagnetic map of the Savannah River Plant area, South Carolina and Georgia, by A. J. Petty and others, scale 1:250,000, GP-489, 1965.....  | 11      |
| Buried Triassic Basin in the central Savannah River area, South Carolina and Georgia, by I. W. Marine and G. E. Siple, Geol. Soc. Am. Bull., v. 85, no. 2, p. 311-320, 1974.....  | 11      |
| Geologic interpretation of geophysical maps, central Savannah River area, South Carolina and Georgia, by D. L. Daniels, 3 sheets, scales 1:250,000 and 1:500,000, GP-893, 1974.....   | 11      |
| Natural gamma aeroradioactivity of the Georgia Nuclear Laboratory area, Georgia, by J. A. MacKallor, scale 1:250,000, GP-351, 1963.....   | 12      |
| Aeroradioactivity survey and areal geology of the Georgia Nuclear Laboratory area, northern Georgia (ARMS-I), by J. A. MacKallor, 36 p., scale 1:250,000, U.S. Atomic Energy Comm. Rept. CEX-58.4.8, 1963.....<br>(Copies available from 7)   | 12      |
| Aeromagnetic map of the Georgia Nuclear Laboratory area, Georgia, by P. W. Philbin and others, scale 1:250,000, GP-488, 1964.....   | 12      |
| Geologic interpretation of aeromagnetic and aeroradioactivity maps of northern Georgia, by M. W. Higgins and Isidore Zietz, 3 sheets, scale 1:500,000, I-783, 1975.....   | 12      |
| Airborne measurements of terrestrial radioactivity as an aid to geologic mapping, by J. A. Pitkin, 29 p., Prof. Paper 516-F, 1968.....<br>(Figs. 8, 9, and 12 show aeroradioactivity and geology in three areas)                              | 13      |
| Composite aeromagnetic map--north-central Georgia, scale 1:250,000, OF Rept. 73-324, 1973.....<br>(1:62,500 maps for this area may be ordered from 6)   | 14      |
| Aeroradioactivity maps of parts of Georgia, South Carolina, and North Carolina, by The Coastal Plains Regional Comm. and U.S. Geol. Survey, 15 sheets, scale 1:250,000, OF Rept. 75-400, 1975.....<br>(Copies on file at 1, 6)                | 15 & 16 |

# GEORGIA AIRBORNE (cont'd)

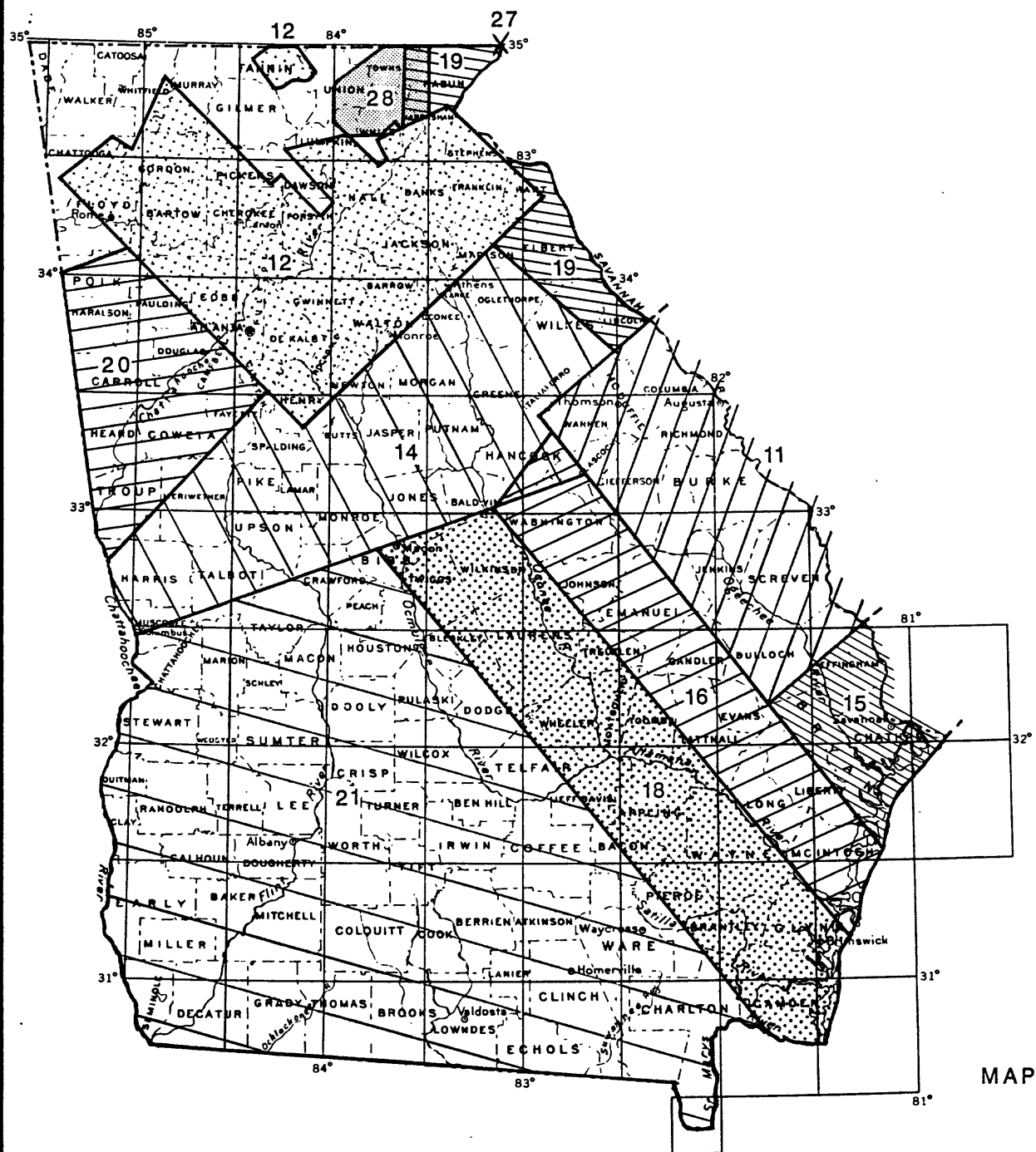
Map ref.

|   |              |
|---|--------------|
| Aeromagnetic map of parts of the Brunswick and Savannah 1° x 2° quadrangles, Georgia and South Carolina, scale 1:250,000, OF Rept. 76-155, 1976.....  | 15           |
| Aeromagnetic maps of parts of Georgia, South Carolina, and North Carolina, by The Coastal Plains Regional Comm. and U.S. Geol. Survey, 13 sheets, scale 1:250,000, OF Rept. 76-181, 1976.....   | 16           |
| The nature of the geophysical basement beneath the Coastal Plain of South Carolina and northeast Georgia, by Peter Popenoe and Isidore Zietz, <u>in</u> Studies related to the Charleston, South Carolina Earthquake of 1886, Prof. Paper 1028, p. 119-137, 1977(1978)..... | 11, 15, & 16 |
| Geophysical investigation of a diabase dike swarm in west-central Georgia, by G. H. Rothe and L. T. Long, Southeast. Geology, v. 17, no. 2, p. 67-79, 1975.....   | 17           |
| Aeromagnetic map of part of southeastern Georgia, by The Coastal Plains Regional Comm. and U.S. Geol. Survey, scale 1:250,000, OF Rept. 77-096, 1977.....   | 18           |
| Aeroradioactivity map of part of southeastern Georgia, by The Coastal Plains Regional Comm. and U.S. Geol. Survey, scale 1:250,000, OF Rept. 77-097, 1977.....  | 18           |
| Aeromagnetic map of part of northern Georgia, scale 1:250,000, OF Rept. 77-190, 1977.....   | 19           |
| Aeroradioactivity map of part of northern Georgia, scale 1:250,000, OF Rept. 77-191, 1977.....  | 19           |
| Aeroradioactivity map of parts of Rome, Atlanta, and Phenix City 1° by 2° quadrangles, Georgia, scale 1:250,000, OF Rept. 77-344, 1977.....   | 20           |
| Aeromagnetic map of parts of Rome, Atlanta, and Phenix City 1° by 2° quadrangles, Georgia, scale 1:250,000, OF Rept. 77-345, 1977.....  | 20           |
| Aeromagnetic map of southwest Georgia, scale 1:250,000, OF Rept. 79-756, 1979.....  | 21           |
| Aeroradioactivity map of southwest Georgia, scale 1:250,000, OF Rept. 79-757, 1979.....   | 21           |
| Aeromagnetic map of northwest Georgia, scale 1:250,000, OF Rept. 79-1369, 1979.....   | 22           |
| Aeroradioactivity map of part of the Chattahoochee National Forest, Georgia, scale 1:250,000, OF Rept. 79-1370, 1979.....   | 23           |
| Aeromagnetic map of part of the Chattahoochee National Forest, Georgia, scale 1:250,000, OF Rept. 79-1371, 1979.....  | 23           |

# GEORGIA AIRBORNE (cont'd)

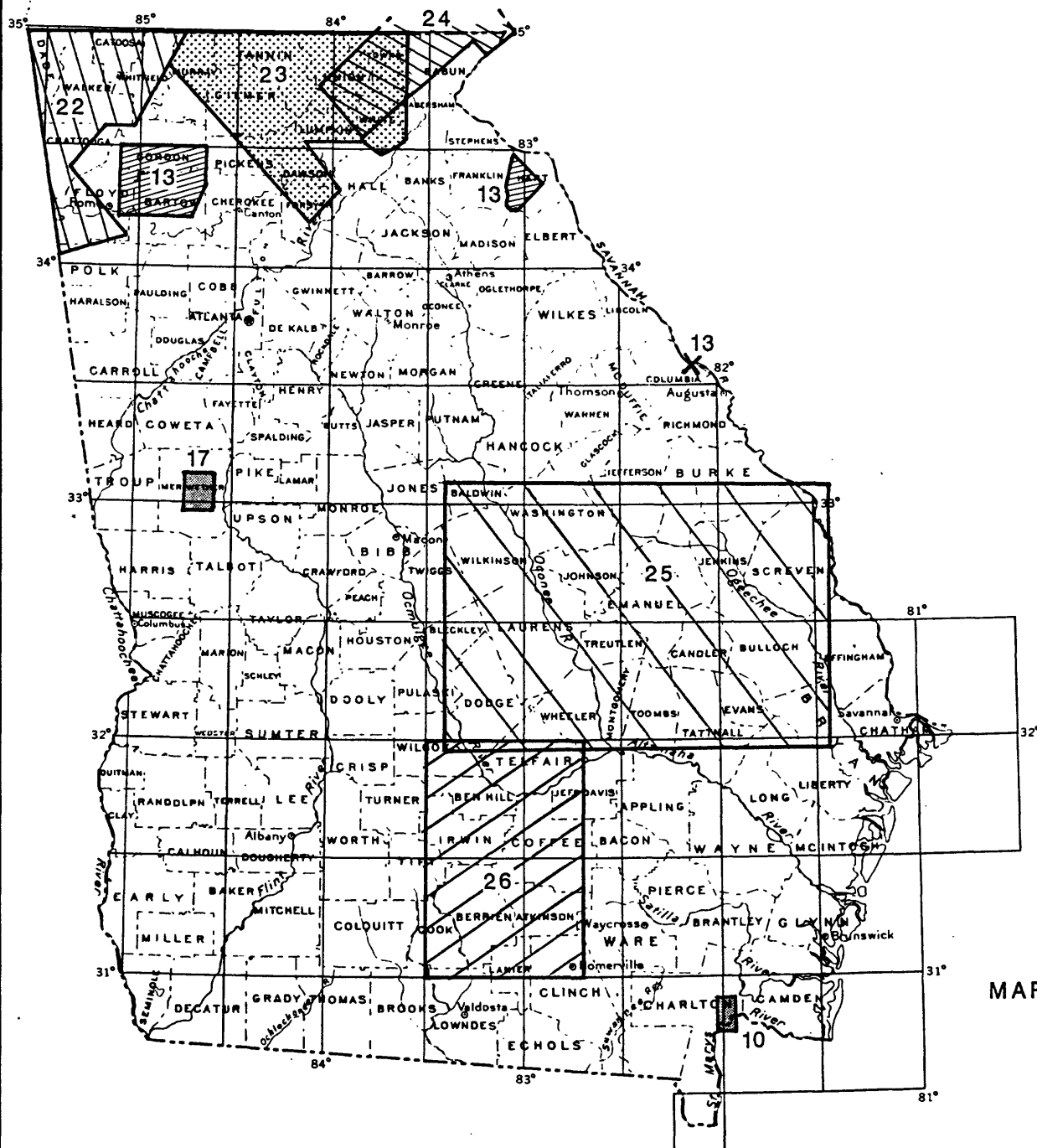
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|  |              |
|--|--------------|
| Aeromagnetic map of Georgia, by Isidore Zietz, F. E. Riggle, and F. P. Gilbert, scale 1:500,000, GP-940, 1980(1981).....   | whole state  |
| Aeromagnetic map of Georgia: In color, by Isidore Zietz, F. E. Riggle, and F. P. Gilbert, scale 1:1,000,000, GP-941, 1980.....   | whole state  |
| Aeromagnetic map of the Blood Mountain - Chattahoochee area, Georgia and North Carolina, 2 sheets, scale 1:62,500, OF Rept. 81-935, 1981.....  | 24           |
| Aeroradioactivity map of the Blood Mountain - Chattahoochee area, Georgia and North Carolina, 2 sheets, scale 1:62,500, OF Rept. 81-936, 1981.....   | 24           |
| Studies of gravity anomalies in Georgia and adjacent area of the southeastern United States, by L. T. Long and A. M. Dainty, <u>in</u> The utility of regional gravity and magnetic anomaly maps, W. J. Hinze, ed., Soc. Explor. Geophys., p. 308-319, 1985..... | 17, 25, & 26 |
| Aeromagnetic map and selected aeroradiometric data for the Ellicott Rock Wilderness and additions, South Carolina, North Carolina, and Georgia, by R. W. Luce and D. L. Daniels, scale 1:48,000, MF-1287-C, 1985.....  | 27           |
| Aeromagnetic map and analysis of aeromagnetic and aeroradioactivity data in the Blood Mountain, Chattahoochee, and Tray Mountain Roadless areas, northern Georgia, by D. L. Daniels, scale 1:62,500, MF-1347-E, 1985.....  | 28           |
| Composite magnetic anomaly map of the Greenville 1° by 2° Quadrangle, Georgia and South Carolina, by K. R. Bond, scale 1:250,000, OF Rept. 87-525, 1987.....<br>(Copies on file at 1, 6)   | 29           |
| Basement beneath the Blue Ridge and inner Piedmont in northeastern Georgia and the Carolinas; a preserved late Proterozoic, rifted continental margin, by P. D. Favret and R. T. Williams, Geol. Soc. Am. Bull., v. 100, no. 12, p. 1999-2007, 1988....          | 30           |
| Buried structures at the northern end of the early Mesozoic south Georgia Basin, South Carolina, and interpreted from aeromagnetic data, by J. D. Phillips, Bulletin 1776, p. 248-252, 1988. ....  | 31           |
| U.S.G.S. open-file reports for Georgia are available for viewing at 1, 2, 3, 6, and sometimes 4 and 5. Additional locations for viewing reports which overlap into adjacent states are listed in that state's index.   |              |
| 1. U.S.G.S. Library, Rm. 4-A-100, 12201 Sunrise Valley Dr., Reston, VA 22092   |              |
| 2. U.S.G.S. Library, Rm. C2002, Bldg. 20, Federal Center, Box 25046, Stop 914, Denver, CO 80225  |              |
| 3. U.S.G.S. Library, 345 Middlefield Rd., Menlo Park, CA 94025   |              |
| 4. P.I.O., Rm. 1028, GSA Bldg., 19th and F Sts., NW, Washington, DC 20244  |              |
| 5. U.S.G.S., Rm. LL-3, 301 W. Cumberland Ave., Knoxville, TN 37902   |              |
| 6. Georgia Dept. Nat. Resources, 19 Martin Luther King Dr., SW, Atlanta, GA 30334  |              |
| 7. N.T.I.S., 5285 Port Royal Rd., Springfield, VA 22161  |              |



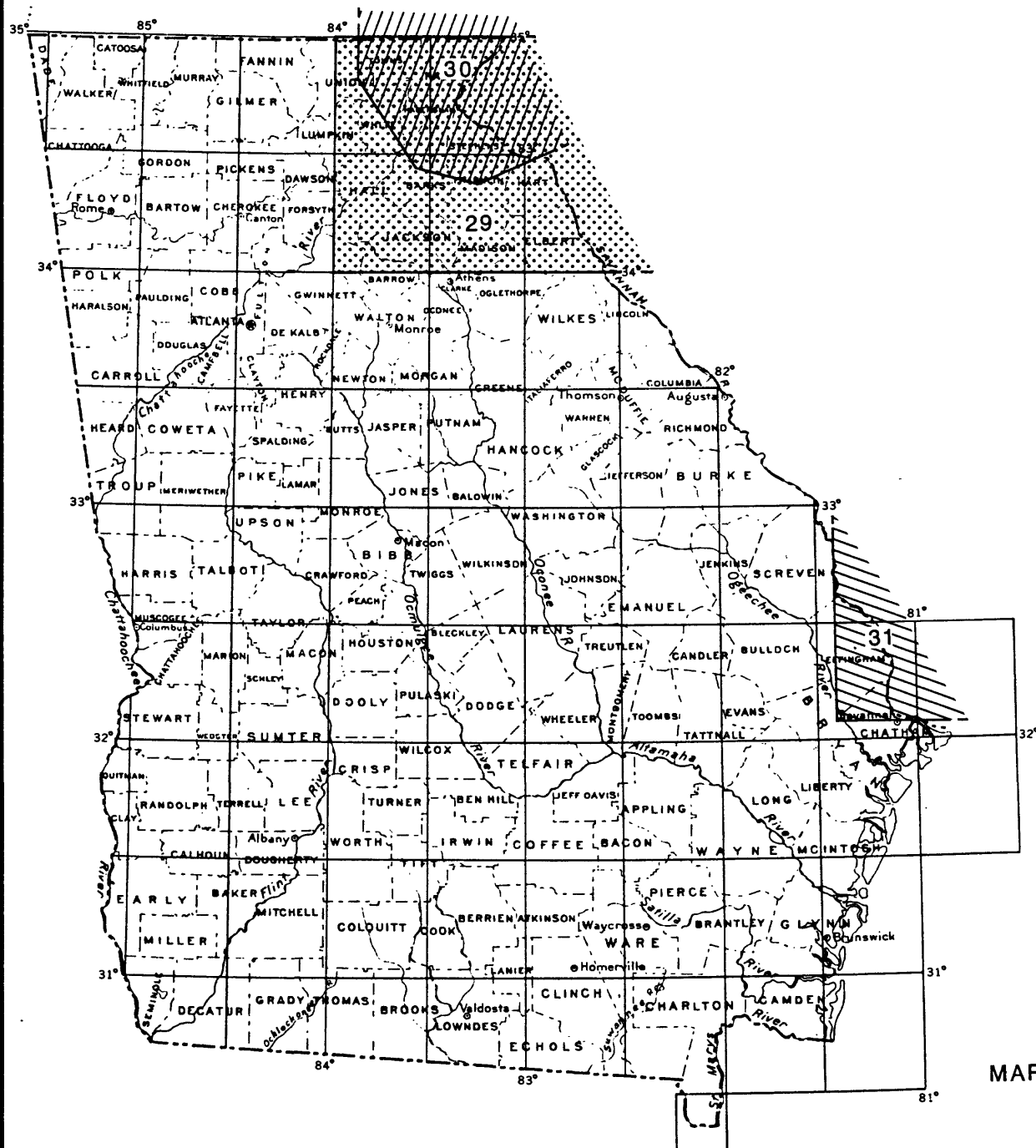
MAP 1

25 0 25 50 75 100 125 150 175 200  
STATUTE MILES



MAP 2

25 0 25 50 75 100 125 150 175 200  
STATUTE MILES



MAP 3



# KENTUCKY AIRBORNE INDEX

(see U.S. Regional Index for additional publications)

(Repository and some source locations are listed on page 18 except where noted.)

Map ref.

|   |                    |
|---|--------------------|
| Natural gamma aeroradioactivity of the Oak Ridge National Laboratory area, Tennessee and Kentucky, by R. G. Bates, scale 1:250,000, GP-308, 1962.....   | 10                 |
| Aeroradioactivity survey and areal geology of the Oak Ridge National Laboratory area, Tennessee and Kentucky, by R. G. Bates, 42 p., scale 1:250,000, U.S. Atomic Energy Comm. Rept. CEX-59.4.15, 1962.....<br>(Copies available from 6)                      | 10                 |
| Regional geologic implications of the gravity and magnetic fields of a part of eastern Tennessee and southern Kentucky, by J. S. Watkins, 17 p., scale 1:250,000, Prof. Paper 516-A, 1964.....  | 10                 |
| Aeromagnetic map of the New Madrid region, Missouri-Kentucky-Arkansas-Tennessee, scale 1:125,000, OF Rept. 74-360, 1974.....  | 11                 |
| Aeromagnetic map of the northern Mississippi Embayment, parts of Missouri, Arkansas, Tennessee, and Kentucky, by T. G. Hildenbrand and R. W. Johnson, scale 1:500,000, OF Rept. 77-229, 1977.....   | 11                 |
| Magnetic and gravity anomalies in the northern Mississippi Embayment and their spacial relation to seismicity, by T. G. Hildenbrand, M. F. Kane, and W. Stauder, S. J., scale 1:1,000,000, MF-914, 1977.....  | 11                 |
| Model for the tectonic evolution of the Mississippi embayment and its contemporary seismicity, by M. F. Kane, T. G. Hildenbrand, and J. D. Hendricks, Geology, v. 9, no. 12, p. 563-568, 1981.....  | 11                 |
| Maps showing geologic structure, Bouguer gravity, and aeromagnetic intensity for part of central Kentucky, by D. F. B. Black, G. R. Keller, and R. W. Johnson, Jr., 12 p., 4 pls., scale 1:125,000, OF Rept. 76-307, 1976.....<br>(Copies on file at 1, 4, 5) | 12, 13,<br>14 & 15 |
| Same title and authors as above, 4 pls., scale 1:48,000, (printed in color), Kentucky Geol. Survey Maps, 1977. Available as separate sheets from 5:   |                    |
| Northeast Sheet.....  | 12                 |
| Northwest Sheet.....  | 13                 |
| Southwest Sheet.....  | 14                 |
| Southeast Sheet.....  | 15                 |
| Basement control of exposed geological features in central Kentucky as inferred from tectonic, aeromagnetic and gravity data, by D. F. B. Black, G. R. Keller, and R. W. Johnson, Jr., Internat. Conf. Basement Tectonics, no. 2, p. 1-9, 1979.....           | 12, 13,<br>14 & 15 |

# KENTUCKY AIRBORNE (Cont'd)

Map ref.

- The relation of dolomite associated with faults to the stratigraphy and structure of central Kentucky, by D. F. B. Black, W. C. MacQuown, Jr., and R. J. DeHaas, 19 p., Prof. Paper 1151-A, 1981..... 12, 13, 14 & 15
- Residual total intensity aeromagnetic map of Kentucky, (in color), by R. W. Johnson, Jr., C. Haygood, and P. M. Kunselman, 3 pls., scale 1:250,000, Kentucky Geol. Survey Maps. Available as separate plates from 5:
- Western Sheet, 1978..... ..16
- Central Sheet, 1980..... ..17
- Eastern Sheet, 1980..... ..18
- Magnetic and gravity features of western Kentucky: Their geologic significance, by T. G. Hildenbrand and G. R. Keller, 13 p., 4 sheets, scale 1:500,000, OF Rept. 83-164, 1983..... ..19
- Aeromagnetic map of Tennessee and Kentucky (in color), by Isidore Zietz and Kevin Bond, scale 1:1,000,000, GP-959, 1984..... whole state
- Basement faulting in Kentucky, by D. F. Black, Internat. Conf. Base. Tectonics, no. 6, p. 125-139, 1986..... most of state
- Oil in dolomitized limestone reservoirs in Kentucky, by D. F. Black, Internat. Conf. Base. Tectonics, no. 6, p. 140-152, 1986..... ..20
- Regional aerial gamma-ray maps for Illinois and parts of Wisconsin, Iowa, Michigan, Indiana, Missouri, and Kentucky, by J. S. Duval and W. J. Jones, Missouri Dept. Nat. Resources Spec. Pub. 4, p. 157-165, 1988..... ..21
- Tectonic evolution in central and eastern Kentucky; a multidisciplinary study of surface and subsurface structure, by D. F. Black, 151 p., 12 sheets, scale 1:250,000, OF Rept. 89-106, 1989..... most of state
- Aeromagnetic anomaly map of the Paducah 1° x 2° Quadrangle, Missouri, Illinois, and Kentucky, by R. P. Kucks, scale 1:250,000, MF-2131, 1990.... ..22  
(A gridded digital data tape is available from 7)
- Other publications of interest; not shown on index maps:
- Determination of structure in the Appalachian basin by geophysical methods, by E. R. King and Isidore Zietz, in Prof. Paper 400-B, p. 199-202, 1960.  
(Fig. 88.1 shows nine aeromagnetic profiles across the Appalachian basin)
- Development of Cumberland overthrust block in vicinity of Chestnut Ridge fenster in southwest Virginia, by L. D. Harris and Isidore Zietz, Am. Assoc. Pet. Geol. Bull., v. 46, no 12, p. 2148-2160, 1962.  
(Contains aeromagnetic profiles)

KENTUCKY AIRBORNE (cont'd)

Other publications--cont'd.:

Airborne radioactivity surveys--A geologic exploration tool, by R. G. Bates, Southeast. Geol., v. 3, no. 4, p. 221-230, 1962.  
(Parts of ref. 10 are shown)

Geophysical evidence for deep basin in western Kentucky, by R. K. Soderberg and G. R. Keller, Am. Assoc. Pet. Geol., Bull. v. 65, no. 2, p. 226-234, 1981.  
(Contains two aeromagnetic profiles)

Satellite and surface geophysical expression of anomalous crustal structure in Kentucky and Tennessee, by M. A. Mayhew, H. H. Thomas, and P. J. Wasilewski, Earth Planet. Sci. Let., v. 58, no. 3, p. 395-405, 1982.  
(Originally published as Nat. Aeron. & Space Admin. Rept. NASA-TM-82163, 1981)

Magnetization models for the source of the "Kentucky anomaly" observed by Magsat, by M. A. Mayhew, R. H. Estes, and D. M. Myers, Earth Planet. Sci. Let., v. 74, no. 1, p. 117-129, 1985.  
(Shows general aeromagnetic contours in the area of ref. 17)

The Adams, Tennessee magnetic anomaly, by P. R. Kemmerly, Tennessee Academy of Science Jour., v. 60, no. 1, p. 4-8, 1985.

Possible margin of the Reelfoot Rift in Stewart County, Tennessee, by G. A. Nixon and P. R. Kemmerly, Tennessee Academy of Science Jour. v. 61, no. 2, p. 51-53, 1986.

The utility of geopotential field data in seismotectonic studies in the eastern United States, by W. J. Hinze and T. G. Hildenbrand, Seis. Res. Let., v. 59, no. 4, p. 289-297, 1988.

The Nashville Dome, an isostatically induced erosional structure; and the Cumberland Plateau Dome, an isostatically suppressed late Paleozoic extension of the Jessamine Dome, by A. L. Reesman and R. G. Stearns, Southeast. Geol., v. 30, no. 3, p. 147-174, 1989.

U.S.G.S. open-file reports for Kentucky are available for viewing at 1, 2, 3, and usually 5. Additional locations for viewing reports which overlap into adjacent states are listed in that state's index.

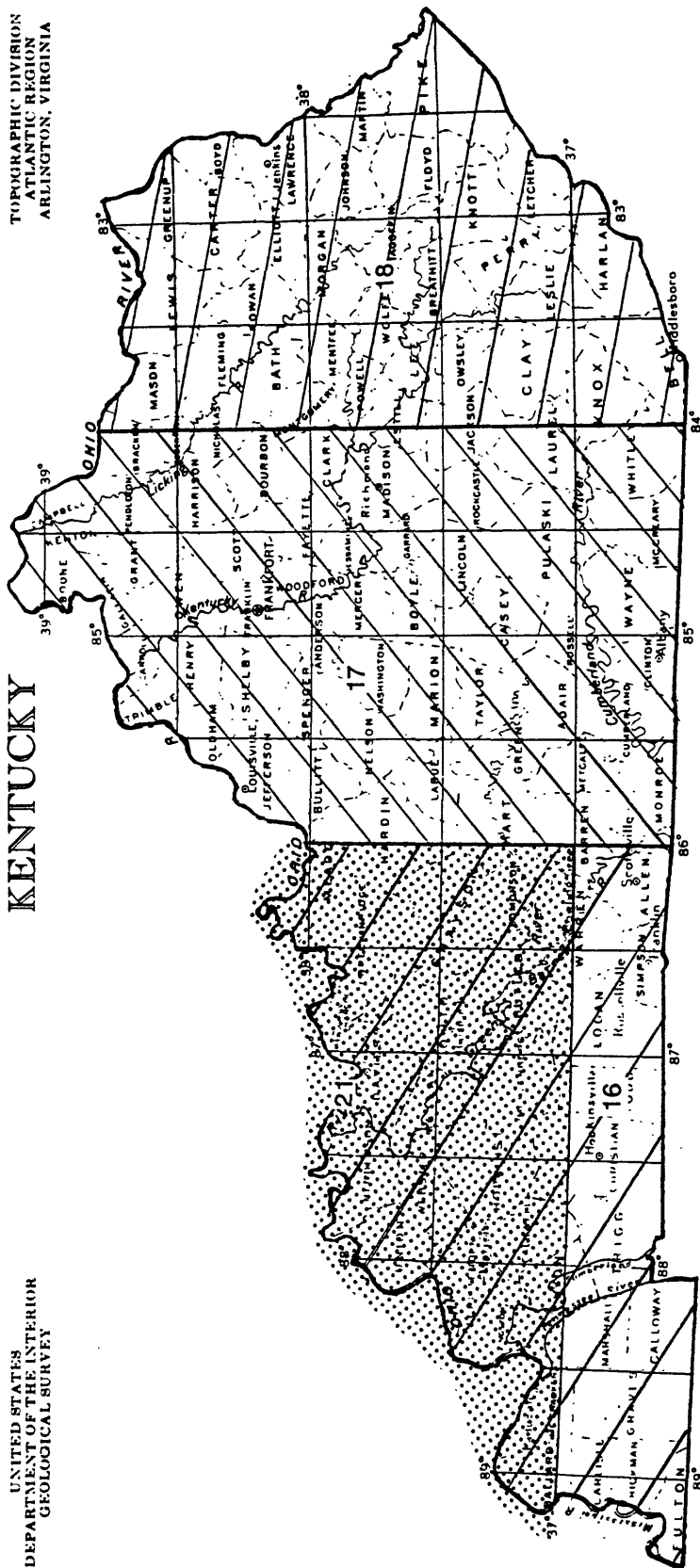
1. U.S.G.S. Library, Rm. 4-A-100, 12201 Sunrise Valley Dr., Reston, VA 22092
2. U.S.G.S. Library, Rm. C2002, Bldg. 20, Federal Center, Box 25046, Stop 914, Denver, CO 80225
3. U.S.G.S. Library, 345 Middlefield Rd., Menlo Park, CA 94025
4. U.S.G.S., Rm. LL3, 301 W. Cumberland Ave., Knoxville, TN 37902
5. Kentucky Geol. Survey, 311 Breckinridge Hall, Lexington, KY 40506
6. N.T.I.S., 5285 Port Royal Rd., Springfield, VA 22161
7. N.G.D.C., NOAA, Code E/GC12, 325 Broadway, Boulder, CO 80303



25 0 25 50 75 100 125 150 175 200  
STATUTE MILES

# KENTUCKY

**TOPOGRAPHIC DIVISION  
ATLANTIC REGION  
ARLINGTON, VIRGINIA**



## MAP 2



# MISSISSIPPI AIRBORNE INDEX

(See U.S. Regional Index for additional publications)

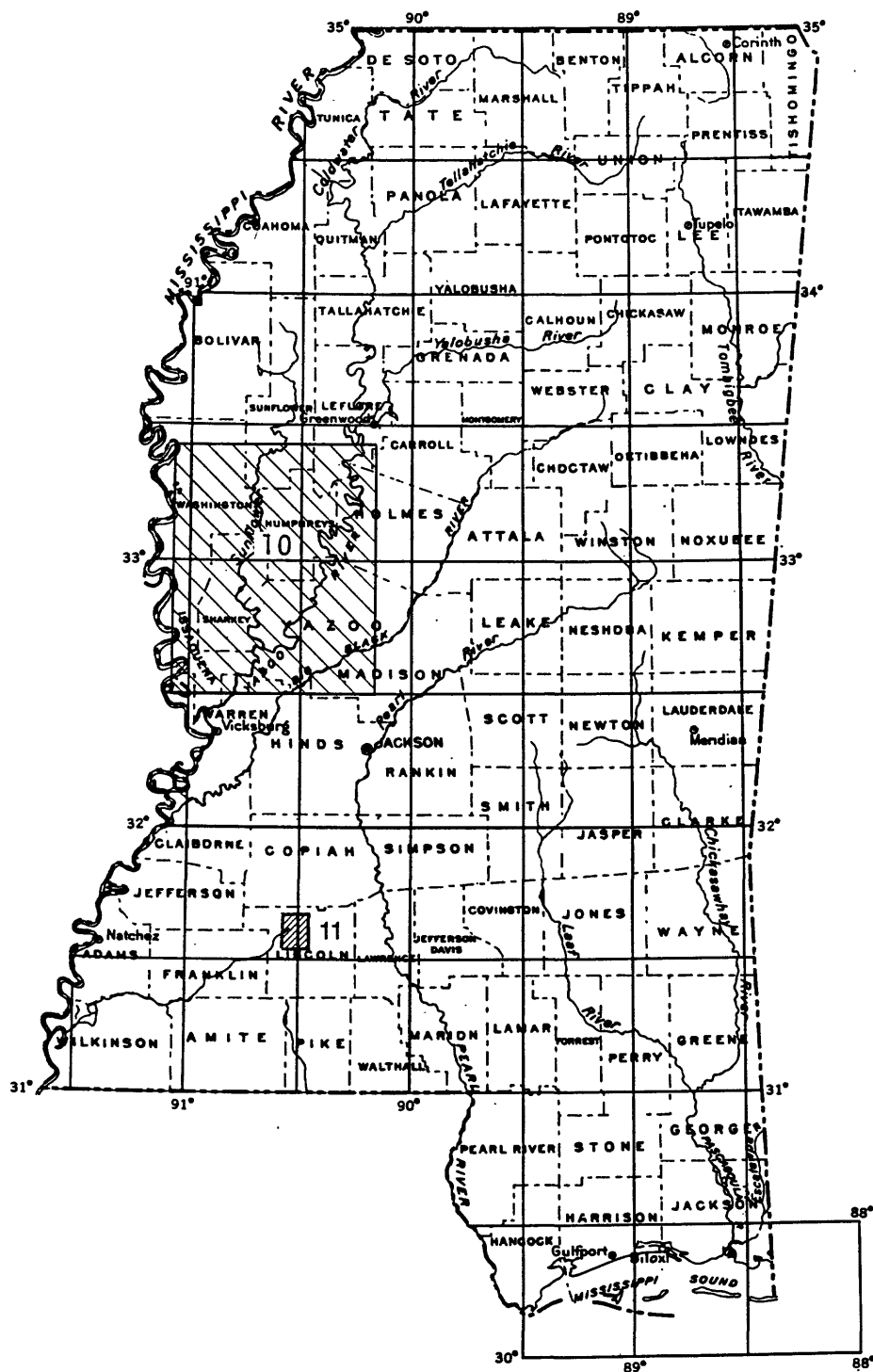
(Repository and some source locations are listed below.)

Map ref.

|   |                |
|---|----------------|
| Preliminary aeromagnetic map of west-central Mississippi, scale 1:125,000,<br>OF Rept. 75-111, 1975.....  | 10             |
| (Copies on file at 1, 2, 3, 4)  |                |
| Magnetic contour map of Mississippi, scale 1:500,000, U.S. Dept.<br>Energy Rept. GJM-1002, 1984.....  | whole<br>state |
| (Copies available from U.S.G.S., Open-File Services Section)  |                |
| Description of digital data from a helicopter geophysical survey to map<br>brine contamination; Brookhaven oil field, Lincoln County, Mississippi,<br>by W. D. Heran and B. D. Smith, 56 p., OF Rept. 90-079, 1990..... | 11             |
| (Copies on file at 1, 2, 3)   |                |

1. U.S.G.S. Library, Rm. 4-A-100, 12201 Sunrise Valley Dr., Reston, VA 22092
2. U.S.G.S. Library, Rm. C2002, Bldg. 20, Federal Center, Box 25046,  
Stop 914, Denver, CO 80225
3. U.S.G.S. Library, 345 Middlefield Rd., Menlo Park, CA 94025
4. Mississippi Geol. Survey, P.O. Box 4915, Jackson, MS 39216

# MISSISSIPPI



# NORTH CAROLINA AIRBORNE INDEX

(see U.S. Regional Index for additional publications)

(Repository and some source locations are listed on page 27 except where noted.)

Map ref.

|  |    |
|--|----|
| Aeromagnetic and aeroradioactivity survey of the Concord quadrangle, North Carolina, by R. W. Johnson, Jr., and R. G. Bates, <u>in</u> Prof. Paper 400-B, p. 192-195, 1960.....  | 10 |
| Airborne radioactivity surveys, an aid to geologic mapping, by R. G. Bates, <u>in</u> Mining Geophysics, v. 1, Case Histories, Soc. Explor. Geophys., p. 67-76, 1966.....  | 10 |
| Geophysical investigations in the Concord quadrangle, Cabarrus and Mecklenburg Counties, North Carolina, by R. G. Bates and Henry Bell III, scale 1:48,000, GP-522, 1965.....  | 10 |
| Natural gamma aeroradioactivity of Oak Ridge National Laboratory area, Tennessee and Kentucky, scale 1:250,000, GP-308, 1962.....  | 11 |
| Aeroradioactivity survey and areal geology of the Oak Ridge National Laboratory area, Tennessee and Kentucky, by R. G. Bates, 42 p., scale 1:250,000, U.S. Atomic Energy Comm. Rept. CEX-59.4.15, 1962.....<br>(Copies available from 7) | 11 |
| Airborne radioactivity survey of the northern part of the Shelby Quadrangle, Cleveland and Rutherford Counties, North Carolina, by W. C. Overstreet, J. L. Meuschke, and R. M. Moxham, scale 1:62,500, GP-408, 1962.....                 | 12 |
| (Aeroradioactivity survey) Norfolk-Peninsula area (ARMS-II), by R. B. Guillou, 20 p., 4 sheets, scale 1:250,000, U.S. Atomic Energy Comm. Rept. CEX-61.6.4, 1963.....<br>(Copies available from 7)                                       | 13 |
| Aeromagnetic map of the southern part of the Knoxville quadrangle, North Carolina, South Carolina, and Tennessee, 2 sheets, scale 1:125,000, OF Rept. 66-140, 1966.....  | 14 |
| Aeromagnetic map of the Mount Pleasant, Albemarle, Denton, and Salisbury quadrangles, west-central North Carolina, by J. R. Henderson and F. P. Gilbert, scale 1:62,500, GP-581, 1966.....   | 15 |
| Aeroradioactivity map of Salisbury and vicinity, North Carolina, scale 1:250,000, OF Rept. 78-762, 1978.....   | 15 |
| Geological and geophysical maps of south-central North Carolina, by A. A. Stromquist and J. R. Henderson, 3 sheets, scale 1:62,500, I-1400, 1985.....  | 15 |
| (Aeroradioactivity survey) Parr area (ARMS-II), by R. B. Guillou, 20 p., 4 sheets, scale 1:250,000, U.S. Atomic Energy Comm. Rept. CEX-63.6.2, 1966.<br>(Copies available from 7)  | 16 |



# NORTH CAROLINA AIRBORNE (cont'd)

Map ref.

Aeromagnetic maps of the following quadrangles or areas are at scale 1:62,500:

|  |    |
|--|----|
| Danville, Va. and N.C., GP-745, 1971.....  | 17 |
| Milton, VA. and N.C., GP-746, 1971.....  | 18 |
| South Boston, VA. and N.C., GP-747, 1971.....  | 19 |
| Winstead, GP-748, 1971.....  | 20 |
| Roxboro, GP-749, 1971.....   | 21 |
| Oxford and part of the Clarksville, GP-882, 1973.....  | 22 |
| Durham North and Creedmore, GP-883, 1973.....  | 23 |
| Henderson and parts of the Louisburg and Boydton, GP-884, 1973.....  | 24 |
| Norlina and parts of the Castalia and South Hill, GP-885, 1973.....  | 25 |
| Essex-Roanoke area, GP-886, 1973.....  | 26 |
| Aeromagnetic map of parts of the Greensboro and Raleigh 1° by 2° quadrangles, North Carolina, scale 1:250,000, OF Rept. 74-029, 1974.....  | 27 |
| Interpretive geologic map of the bedrock showing radioactivity and aeromagnetic map of the Salisbury, Southmont, Rockwell, and Gold Hill quadrangles, Rowan and Davidson counties, North Carolina, by A. A. Stromquist and H. W. Sundelius, 2 sheets, scale 1:48,000, I-888, 1975..... | 28 |
| Aeroradioactivity maps of parts of Georgia, South Carolina, and North Carolina, by The Coastal Plains Regional Comm. and U.S. Geol. Survey, scale 1:250,000, 15 sheets, OF Rept. 75-400, 1975.....<br>(Copies on file at 1, 6)   | 29 |
| Aeromagnetic maps of parts of Georgia, South Carolina, and North Carolina, by The Coastal Plains Regional Comm. and the U.S. Geol. Survey, scale 1:250,000, 13 sheets, OF Rept. 76-181, 1976.....  | 29 |
| Aeromagnetic map of part of the Winston-Salem 1° by 2° Quadrangle, North Carolina, Virginia, and Tennessee, scale 1:125,000, OF Rept. 76-534, 1976.  | 30 |
| Aeromagnetic map of part of the Rocky Mount and Beaufort 1° by 2° quadrangles, North Carolina, scale 1:250,000, OF Rept. 76-815, 1976.....   | 31 |
| Aeroradioactivity map of part of the Rocky Mount and Beaufort 1° by 2° quadrangles, North Carolina, scale 1:250,000, OF Rept. 76-816, 1976.....  | 31 |
| Mineral resources of the Joyce Kilmer-Slickrock Wilderness, North Carolina-Tennessee, by F. G. Lesure and others, 89 p., Bulletin 1416, 1977.....  | 32 |
| Aeromagnetic map of north-central North Carolina, scale 1:250,000, OF Rept. 77-192, 1977.....  | 33 |
| Aeroradioactivity map of north-central North Carolina, scale 1:250,000, OF Rept. 77-193, 1977.....   | 33 |

# NORTH CAROLINA AIRBORNE (cont'd)

Map ref.

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| Aeromagnetic map of south-central North Carolina, scale 1:250,000,<br>OF Rept. 77-205, 1977.....   | 34 |
| Aeroradioactivity map of south-central North Carolina, scale 1:250,000,<br>OF Rept. 77-206, 1977.....  | 34 |
| Aeroradioactivity map of Charlotte and vicinity, North Carolina,<br>scale 1:250,000, OF Rept. 77-722, 1977.....  | 35 |
| Aeromagnetic map of Charlotte and vicinity, North Carolina,<br>scale 1:250,000, OF Rept. 77-723, 1977.....   | 35 |
| Aeromagnetic map of part of the northern North Carolina coast,<br>scale 1:250,000, OF Rept. 77-804, 1977.....  | 36 |
| Gamma aeroradioactivity map of parts of Norfolk and Eastville quadrangles,<br>outer Coastal Plain, North Carolina and Virginia, by E. R. Force and<br>S. K. Bose, scale 1:250,000, MF-863, 1977.....                                       | 36 |
| Aeromagnetic map of Elizabethtown and vicinity, North Carolina,<br>scale 1:250,000, OF Rept. 78-758, 1978.....   | 37 |
| Aeroradioactivity map of Elizabethtown and vicinity, North Carolina,<br>scale 1:250,000, OF Rept. 78-759, 1978.....  | 37 |
| Aeromagnetic map of southeastern North Carolina, scale 1:250,000,<br>OF Rept. 78-764, 1978.....  | 38 |
| Aeroradioactivity map of southeastern North Carolina, scale 1:250,000,<br>OF Rept. 78-765, 1978.....   | 38 |
| Aeroradioactivity map of West Charlotte, North Carolina, scale 1:250,000,<br>OF Rept. 78-1087, 1978.....   | 39 |
| Aeromagnetic map of West Charlotte, North Carolina, scale 1:250,000,<br>OF Rept. 78-1088, 1978.....  | 39 |
| Geology and mineral resources of Wake County, by John M. Parker, III,<br>122 p., North Carolina Geol. Survey, Bull. 86, 1979.....<br>(Pl. 2 is an aeromagnetic map)  | 40 |
| Geophysical exploration of coal and gas resources associated with a buried<br>basin in the N.C. coastal plain, by I. J. Won and C. J. Leith, 14 p.,<br>North Carolina Energy Inst. Rept. NCEI-0001, 1979.....<br>(Copies available from 7) | 41 |
| Aeromagnetic map of the Blood Mountain - Chattahoochee area, Georgia and<br>North Carolina, 2 sheets, scale 1:62,500, OF Rept. 81-935, 1981.....   | 42 |
| Aeroradioactivity map of the Blood Mountain - Chattahoochee area, Georgia<br>and North Carolina, 2 sheets, scale 1:62,500, OF Rept. 81-936, 1981.....  | 42 |

# NORTH CAROLINA AIRBORNE (cont'd)

Map ref.

|   |             |
|---|-------------|
| Aeromagnetic map of the Charlotte 1° x 2° Quadrangle, North Carolina and South Carolina, by D. L. Daniels and Isidore Zietz, scale 1:250,000, I-1251-B, 1981.....   | 43          |
| Aeromagnetic map of the Charlotte 1° x 2° Quadrangle, North Carolina and South Carolina: In color, by D. L. Daniels and Isidore Zietz, scale 1:250,000, I-1251-C, 1981(1982).....   | 43          |
| Aeroradioactivity map of the Charlotte 1° x 2° Quadrangle, North Carolina and South Carolina: In color, by D. L. Daniels and Isidore Zietz, scale 1:250,000, I-1251-D, 1982.....  | 43          |
| Mineral resources of the Charlotte 1° x 2° Quadrangle, North Carolina and South Carolina, J. E. Gair, ed., <u>with a section on</u> Geophysical surveys by D. L. Daniels, Prof. Paper 1462, p. 17-28, 1989.....   | 43          |
| Evaluation of uranium geochemical anomalies in the Greensboro 1° x 2° NTMS area near Louisburg, N.C., by R. H. Carpenter, 33 p., U.S. Dept. Energy Rept. GJBX-417(81), 1981.....  | 44          |
| An evaluation of uranium geochemical anomalies in the Charlotte 1° x 2° NTMS quadrangle, by R. H. Carpenter, 33 p., U.S. Dept. Energy Rept. GJBX-025(82), 1982.....   | 45          |
| Evaluation of the Durham Triassic basin of North Carolina and techniques used to characterize its waste-storage potential, by G. L. Bain and C. E. Brown, 138 p., OF Rept. 80-1295, 1980(1982).....<br>(Copies on file at 1)  | 46          |
| Geophysical and geologic studies in southern Mecklenburg County and vicinity, North Carolina and South Carolina, by F. A. Wilson, 199 p., 3 sheets, OF Rept. 83-093, 1983.....<br>(Copies on file at 1, 6)  | 47          |
| Aeromagnetic map of North Carolina, by Isidore Zietz, F. E. Riggle, and F. P. Gilbert, scale 1:500,000, GP-957, 1984.....   | whole state |
| Aeromagnetic map of North Carolina: In color, by Isidore Zietz, F. E. Riggle, and F. P. Gilbert, scale 1:1,000,000, GP-958, 1984.....   | whole state |
| Some effects of regional metamorphism and geologic structure on magnetic anomalies over the Carolina Slate Belt near Roxboro, North Carolina, by E. S. Robinson and others, <u>in</u> The utility of regional gravity and magnetic anomaly maps, W. J. Hinze, ed., Soc. Explor. Geophys., p. 320-324, 1985... | 48          |
| Basement beneath the Blue Ridge and inner Piedmont in northeastern Georgia and the Carolinas; a preserved, late Proterozoic, rifted continental margin, by P. D. Favret and R. T. Williams, Geol. Soc. Am. Bull., v. 100, no. 12, p. 1999-2007, 1988.....   | 49          |

# NORTH CAROLINA AIRBORNE (cont'd)

Map ref.

- Aeromagnetic imagery with geologic correlations for some early Mesozoic basins of the eastern United States, by K. R. Bond and J. D. Phillips, in Studies of the early Mesozoic basins of the eastern United States, Bulletin 1776, p. 253-264, 1988..... 50, 51, & 52
- Magnetic, gravity, and radiometric maps of the Chattanooga 1° x 2° Quadrangle, Tennessee and North Carolina, by E. R. King, scale 1:500,000, MF-2139, 1990..... 53  
(Also shows magnetics in the area of ref. 11 at scale 1:250,000.)

Other publications of interest; not shown on index maps:

Determination of structure in the Appalachian basin by geophysical methods, by E. R. King and Isidore Zietz, in Prof. Paper 400-B, p. 199-202, 1960.  
(Fig. 88.1 shows nine aeromagnetic profiles across the Appalachian basin)

Geologic interpretation of geophysical data from the "Mecklenburg-Weddington" gabbro complex, southern Mecklenburg County, North Carolina, by F. A. Wilson, in Geological investigations of the Kings Mountain Belt and adjacent areas in the Carolinas, J. W. Horton, ed., Carolina Geol. Soc. Guidebook, p. 28-38, 1981. (Covers part of ref. 46)

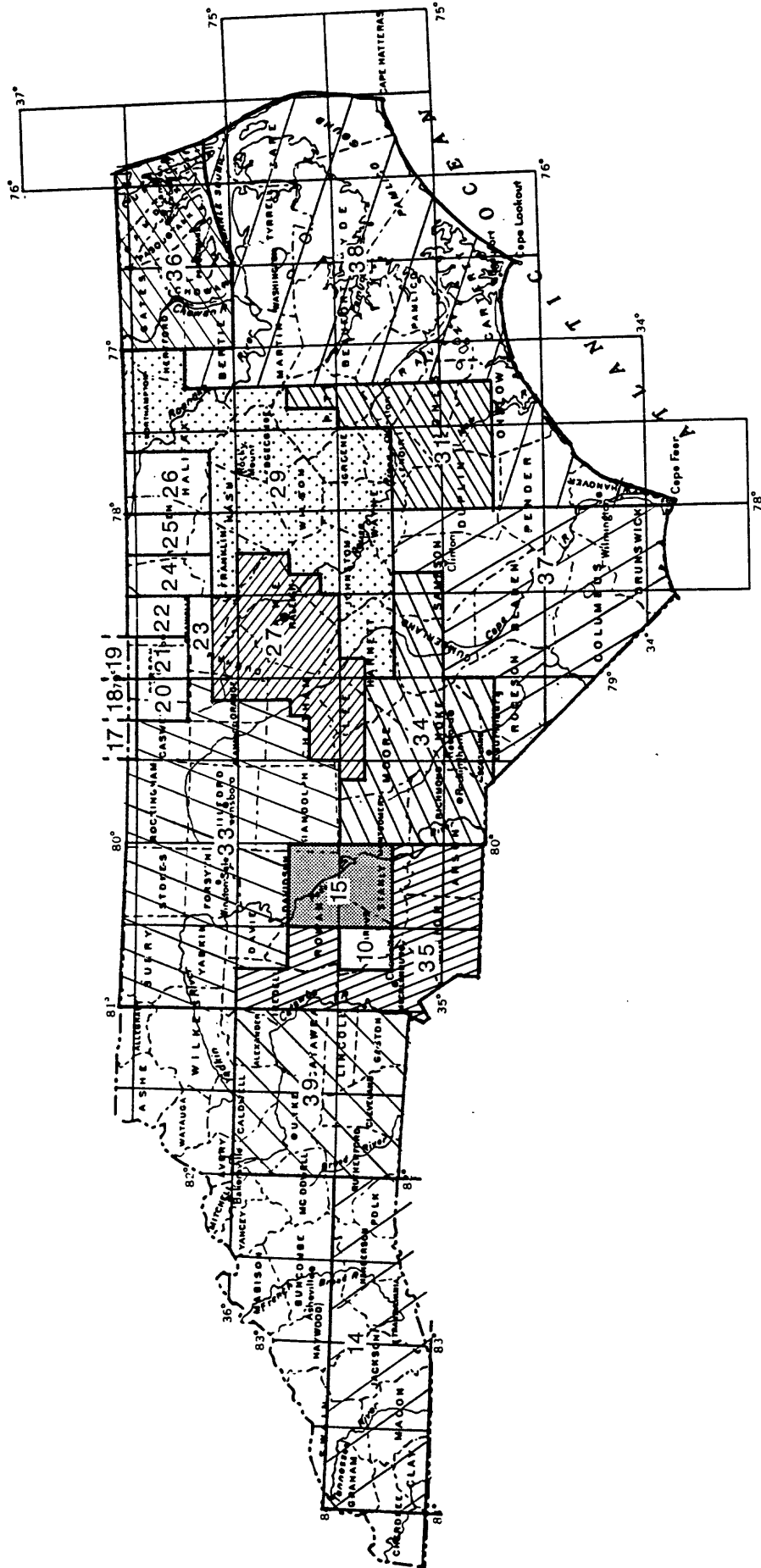
Aeromagnetic map and selected aeroradiometric data for the Ellicott Rock Wilderness and additions, South Carolina, North Carolina, and Georgia, by R. W. Luce and D. L. Daniels, scale 1:48,000, MF-1287-C, 1985.

Magnetic and gravity fields of early Mesozoic diabase sheets in the northern Durham Basin, North Carolina, by D. L. Daniels, in Studies of the early Mesozoic Basins of the eastern United States, Bulletin 1776, p. 200-210, 1988.  
(Shows aeromagnetics in three areas in northern Durham County.)

U.S.G.S. open-file reports for North Carolina are available for viewing at 1, 2, 3, and sometimes 4, 5, 6. Additional locations for viewing reports which overlap into adjacent states are listed in that state's index.

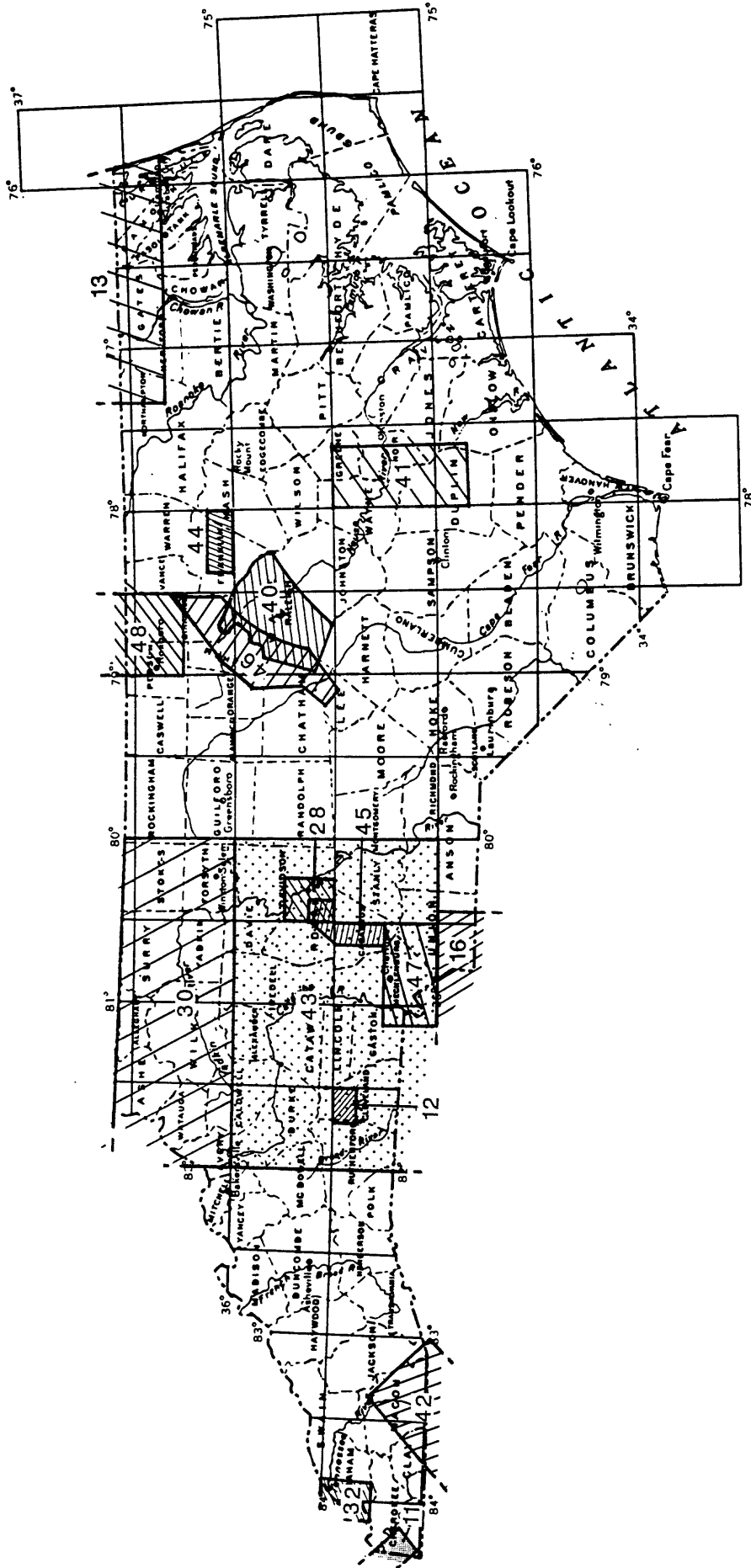
1. U.S.G.S. Library, Rm. 4-A-100, 12201 Sunrise Valley Dr., Reston, VA 22092
2. U.S.G.S. Library, Rm. C2002, Bldg. 20, Federal Center, Box 25046, Stop 914, Denver, CO 80225
3. U.S.G.S. Library, 345 Middlefield Rd., Menlo Park, CA 94025
4. P.I.O., Rm. 1028, GSA Bldg., 19th and F. Sts., NW, Washington, DC 20244
5. U.S.G.S., Rm. LL-3, 301 W. Cumberland Ave., Knoxville, TN 37902
6. North Carolina Div. Land Resources, P.O. Box 27687, Raleigh, NC 27611
7. N.T.I.S., 5285 Port Royal Rd., Springfield, VA 22161

# NORTH CAROLINA



MAP 1

# NORTH CAROLINA

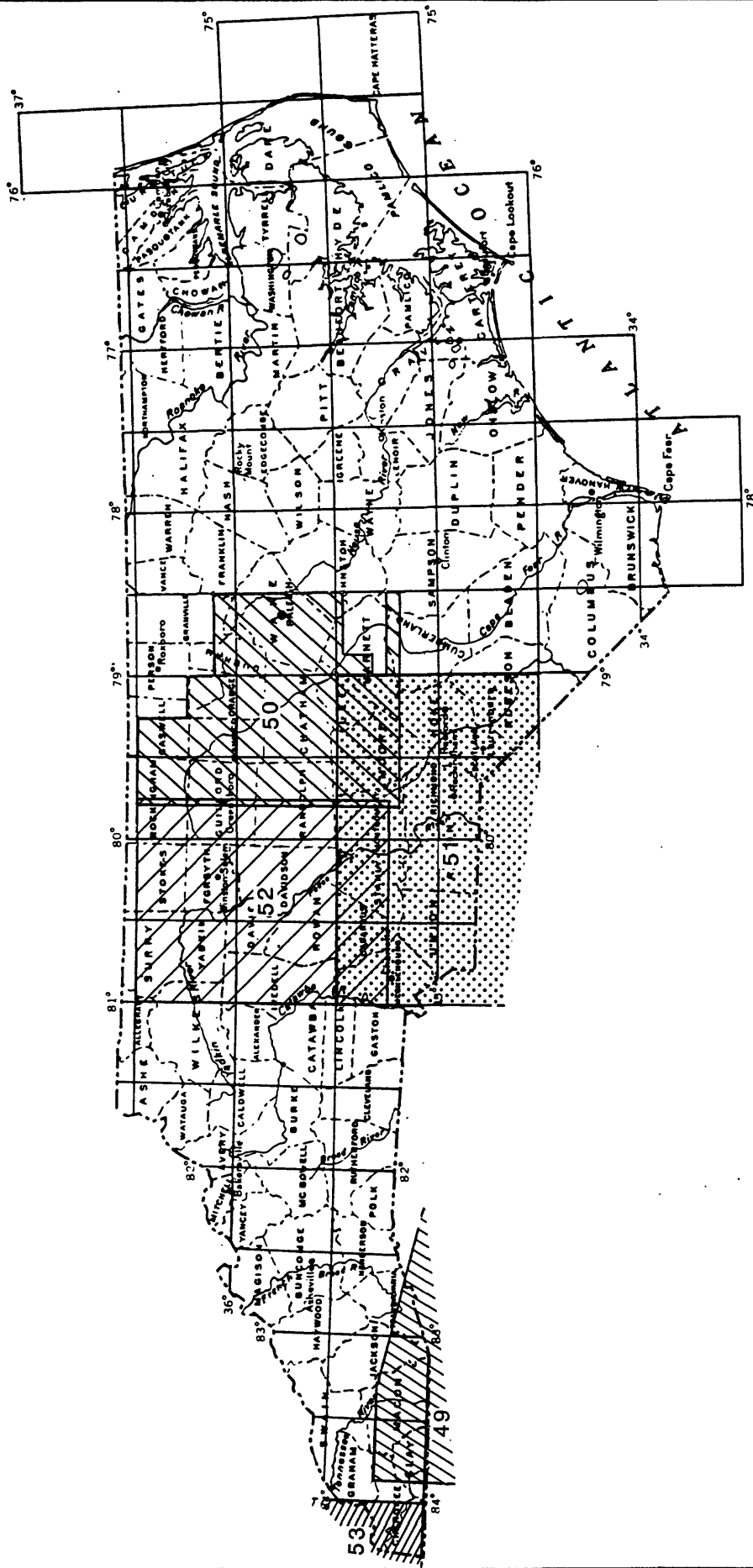


MAP 2



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

# NORTH CAROLINA



MAP 3



# SOUTH CAROLINA AIRBORNE INDEX

(see U.S. Regional Index for additional publications)

(Repository and some source locations are listed on page 34 except where noted.)

Map ref.

|  |    |
|--|----|
| Airborne radioactivity survey of the Edisto Island area, Berkeley, Charleston, Colleton, and Dorchester Counties, South Carolina, by J. L. Meuschke, scale 1:62,500, GP-123, 1955.....   | 10 |
| Airborne magnetometer survey of Carolina Embayments of Mullins Quadrangle, S. C., by W. B. Agocs and K. N. Isaacs, Internat. Geol. Cong., 20th, Mexico, 1956, sec. 9, p. 231-241, 1958.....  | 11 |
| Correlation of aeroradioactivity data and areal geology, by R. B. Guillou and R. G. Schmidt, <u>in</u> Prof. Paper 400-B, p. 119-121, 1960.....  | 12 |
| Natural gamma aeroradioactivity of the Savannah River Plant area, South Carolina and Georgia, by R. G. Schmidt, scale 1:250,000, GP-306, 1961.....   | 13 |
| Aeroradioactivity survey and areal geology of the Savannah River Plant area, South Carolina and Georgia (ARMS-I), by R. G. Schmidt, 42 p., scale 1:250,000, U.S. Atomic Energy Comm. Rept. CEX-58.4.2, 1962.....<br>(Copies available from 7)  | 13 |
| Aeromagnetic map of the Savannah River Plant area, South Carolina and Georgia, by A. J. Petty, F. A. Petrafeso, and F. C. Moore, Jr., scale 1:250,000, GP-489, 1965.....   | 13 |
| Geologic interpretation of geophysical maps, central Savannah River area, South Carolina and Georgia, by D. L. Daniels, scales 1:250,000 and 1:500,000, GP-893, 1974.....  | 13 |
| Buried Triassic Basin in the central Savannah River area, South Carolina and Georgia, by I. W. Marine and G. E. Siple, Geol. Soc. Am. Bull., v. 85, no. 2, p. 311-320, 1974.....   | 13 |
| Aeromagnetic map of the southern part of the Knoxville quadrangle, North Carolina, South Carolina, and Tennessee, 2 sheets, scale 1:125,000, OF Rept. 66-140, 1966.....  | 14 |
| (Aeroradioactivity survey) Parr area, (ARMS-II), by R. B. Guillou, 20 p., 4 sheets, scale 1:250,000, U.S. Atomic Energy Comm. Rept. CEX-63.6.2, 1966.<br>(Copies available from 7)   | 15 |
| Airborne measurements of terrestrial radioactivity, by J. A. Pitkin, 29 p., Prof. Paper 516-F, 1968.....<br>(Figs. 7 and 8 show aeroradioactivity and geology for two areas)   | 16 |
| Aeromagnetic map of the Camden-Kershaw area, north-central South Carolina, 4 sheets, scale 1:24,000, OF Rept. 70-334, 1970.....  | 17 |
| Comparison of anomalies detected by airborne and truck-mounted magnetometers in the Haile-Brewer area, South Carolina, by H. Bell and others, <u>in</u> Geological Investigations of the eastern Piedmont, Southern Appalachians, A. W. Snoke, ed., South Carolina Geol. Survey, p. 21-27, 1978..... | 17 |



# SOUTH CAROLINA AIRBORNE (cont'd)

Map ref.

|  |                      |
|--|----------------------|
| Diabase dikes in the Haile-Brewer area, South Carolina, and their magnetic properties, by Henry Bell III, and others, 11 p., Prof. Paper 1123-C, 1980.   | 17                   |
| Aeromagnetic map of the Enoree Quadrangle, South Carolina, scale 1:62,500, OF Rept. 75-051, 1975.....  | 18                   |
| Aeroradioactivity maps of parts of Georgia, South Carolina, and North Carolina, by The Coastal Plains Regional Comm. and U.S. Geol. Survey, 15 sheets, scale 1:250,000, OF Rept. 75-400, 1975.....   | 19 & 20              |
| Aeromagnetic map of parts of the Brunswick and Savannah 1° x 2° quadrangles, Georgia and South Carolina, scale 1:250,000, OF Rept. 76-155, 1976.....   | 19                   |
| Aeromagnetic maps of parts of Georgia, South Carolina, and North Carolina, by The Coastal Plains Regional Comm. and U.S. Geol. Survey, 13 sheets, scale 1:250,000, OF Rept. 76-181, 1976.....  | 20                   |
| Aeromagnetic map of northeast South Carolina, by N. S. Tyson and others, scale 1:250,000, OF Rept. 80-2020, 1980.....  | 20                   |
| Aeromagnetic map of Charleston and vicinity, South Carolina, scale 1:250,000, OF Rept. 75-590, 1975.....<br>(Copies of the 1:62,500 maps from which the 1:250,000 map was made are available from 6)   | 21                   |
| Aeroradioactivity map of Charleston and vicinity, South Carolina, scale 1:250,000, OF Rept. 76-30, 1976.....   | 21                   |
| Aeroradioactivity maps in heavy-mineral exploration; Charleston, South Carolina, by E. R. Force and others, 19 p., 2 sheets, Prof. Paper 1218, 1982.....   | 21                   |
| The nature of the geophysical basement beneath the Coastal Plain of South Carolina and northeast Georgia, by Peter Popenoe and Isidore Zietz, <u>in</u> Studies related to the Charleston, South Carolina, Earthquake of 1886, Prof. Paper 1028, p. 119-137, 1977..... | 13, 17, 19, 20, & 21 |
| Aeromagnetic map of Spartanburg and vicinity, South Carolina, scale 1:250,000, OF Rept. 77-252, 1977.....  | 22                   |
| Aeroradioactivity map of Spartanburg and vicinity, South Carolina, scale 1:250,000, OF Rept. 77-253, 1977.....   | 22                   |
| Magnetic basement near Charleston, South Carolina, a preliminary report, by J. D. Phillips, <u>in</u> Studies related to the Charleston, South Carolina, Earthquake of 1886, Prof. Paper 1028, p. 139-149, 1977.....   | 23                   |
| Aeroradioactivity map of northwestern South Carolina, 2 sheets, scale 1:250,000, OF Rept. 78-846, 1978.....<br>(Copies on file at 1, 2, 3)   | 24                   |

# SOUTH CAROLINA AIRBORNE (cont'd)

|   | Map ref.    |
|---|-------------|
| Aeromagnetic map of northwestern South Carolina, 2 sheets, scale 1:250,000, OF Rept. 78-847, 1978.....<br>(Copies on file at 1, 2, 3)   | 24          |
| Aeromagnetic map of northwest South Carolina, by F. E. Riggle, Isidore Zietz, and D. L. Daniels, 2 sheets, scale 1:250,000, OF Rept. 80-1240, 1980.....   | 24          |
| Geophysical studies of the Charleston, South Carolina, area - onshore aeromagnetic map, by J. D. Phillips and others, scale 1:250,000, MF-1022-A, 1978.....   | 25          |
| Aeromagnetic map of the Charlotte 1° x 2° Quadrangle, North Carolina and South Carolina, by D. L. Daniels and Isidore Zietz, scale 1:250,000, I-1251-B, 1981.....   | 26          |
| Aeromagnetic map of the Charlotte 1° x 2° Quadrangle, North Carolina and South Carolina: In color, by D. L. Daniels and Isidore Zietz, scale 1:250,000, I-1251-C, 1981(1982).....                                     | 26          |
| Aeroradioactivity map of the Charlotte 1° x 2° Quadrangle, North Carolina and South Carolina: In color, by D. L. Daniels and Isidore Zietz, scale 1:250,000, I-1251-D, 1982.....                                      | 26          |
| Mineral resources of the Charlotte 1° x 2° Quadrangle, North Carolina and South Carolina, J. E. Gair, ed., <u>with a section on</u> Geophysical surveys, by D. L. Daniels, Prof. Paper 1462, p. 17-28, 1989.....      | 26          |
| Aeromagnetic map of South Carolina: In color, by Isidore Zietz, F. E. Riggle, and D. L. Daniels, scale 1:1,000,000, GP-951, 1982.....   | whole state |
| Aeromagnetic map of South Carolina, by Isidore Zietz, F. E. Riggle, and D. L. Daniels, 2 sheets, scale 1:250,000, GP-950, 1982(1983).....   | whole state |
| Geophysical and geologic studies in southern Mecklenburg County and vicinity, North Carolina and South Carolina, by F. A. Wilson, 199 p., 3 sheets, OF Rept. 83-093, 1983.....<br>(Copies on file at 1, 6)            | 27          |
| Seismic-refraction study in the area of the Charleston, South Carolina, 1886 Earthquake, by H. D. Ackermann, <u>in</u> Prof. Paper 1313, p. F1-F20, 1983.....   | 28          |
| Land multichannel seismic-reflection evidence for tectonic features near Charleston, South Carolina, by R. M. Hamilton, J. C. Behrendt, and H. D. Ackerman, <u>in</u> Prof. Paper 1313, p. 11-118, 1983.....          | 28          |
| Aeromagnetic map and selected aeroradiometric data for the Ellicott Rock Wilderness and additions, South Carolina, North Carolina, and Georgia, by R. W. Luce and D. L. Daniels, scale 1:48,000, MF-1287-C, 1985..... | 29          |

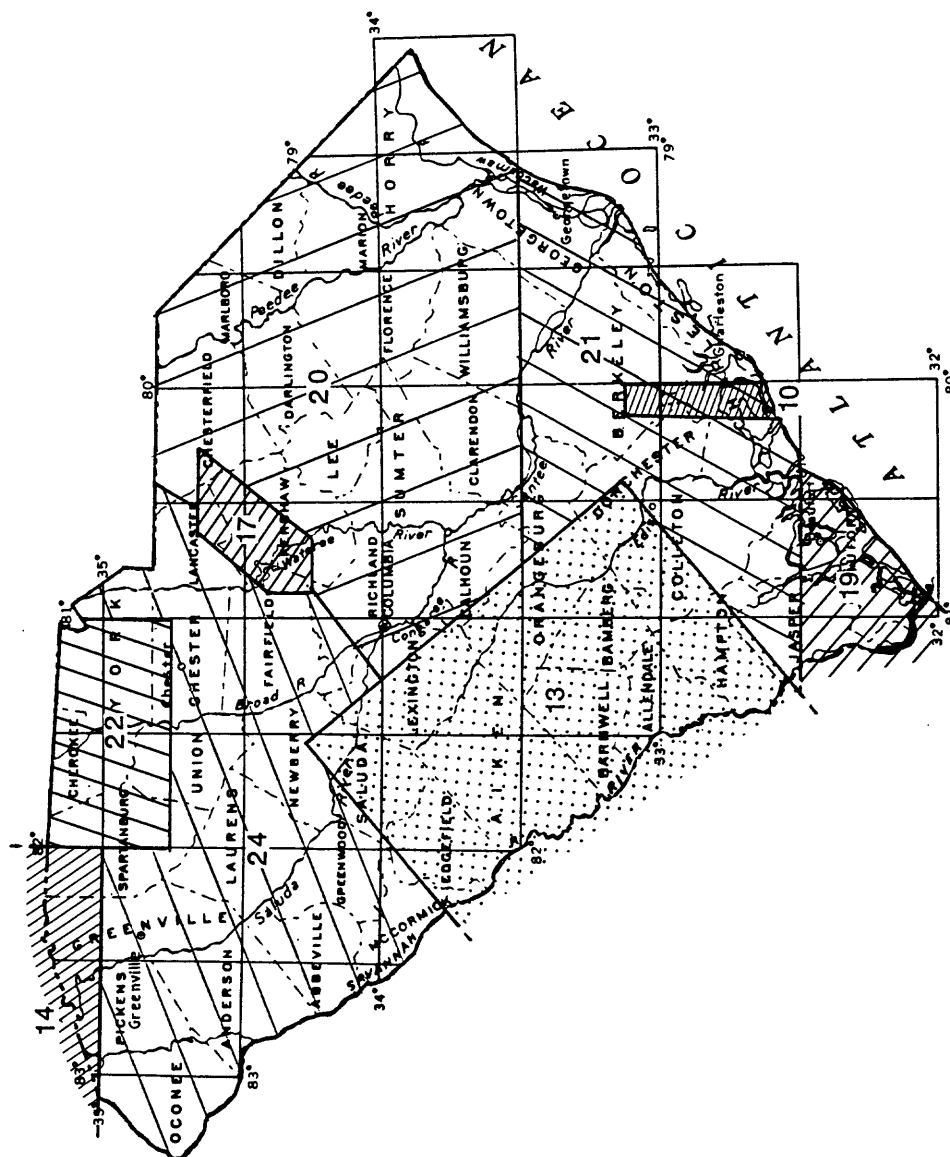
# SOUTH CAROLINA AIRBORNE (cont'd)

Map ref.

|  |    |
|--|----|
| Composite magnetic anomaly map of the Greenville 1° by 2° Quadrangle, Georgia and South Carolina, by K. R. Bond, scale 1:250,000, OF Rept. 87-525, 1987.....   | 30 |
| (Copies on file at 1, 6)   |    |
| Basement beneath the Blue Ridge and inner Piedmont in northeastern Georgia and the Carolinas; a preserved, late Proterozoic, rifted continental margin, by P. D. Favret and R. T. Williams, Geol. Soc. Am. Bull., v. 100, no. 12, p. 1999-2007, 1988.....                                      | 31 |
| Buried structures at the northern end of the early Mesozoic South Georgia Basin, South Carolina as interpreted from aeromagnetic data, by J. D. Phillips, <u>in</u> Studies of the early Mesozoic basins of the eastern United States, scale 1:1,500,000, Bulletin 1776, p. 248-252, 1988..... | 32 |
| Aeromagnetic imagery with geologic correlations for some early Mesozoic basins of the eastern United States, by K. R. Bond and J. D. Phillips, <u>in</u> Studies of the early Mesozoic basins of the eastern United States, scale 1:1,000,000, Bulletin 1776, p. 253-264, 1988.....            | 33 |
| Aeroradiometric and geologic interpretation of part of the Florence and Georgetown 1° x 2° quadrangles, South Carolina, by J. P. Owens, A. E. Grosz, and J. C. Fisher, scale 1:250,000, I-1948-B, 1989.....  | 34 |
| Other publications of interest; not shown on the index maps:   |    |
| Airborne electromagnetic and total intensity magnetic profiles in the vicinity of the Haile, Brewer, and Blackmon Mines, Lancaster, Chesterfield, and Kershaw counties, South Carolina, 2 sheets, scale 1:125,000, OF Rept. 68-296, 1968.  |    |
| Geothermal exploration methods and results; Atlantic Coastal Plain, by J. K. Costain, Geothermal Resource Council, Spec. Paper no. 5, p. 13-19, 1979.  |    |
| Marine multichannel seismic-reflection evidence for Cenozoic faulting and deep crustal structure near Charleston, South Carolina, by J. C. Behrendt and others, <u>in</u> Prof. Paper 1313, p. J1-J29, 1983. (Shows aeromagnetics offshore)  |    |
| U.S.G.S. open-file reports for South Carolina are available for viewing at 1, 2, 3, and 6, and sometimes 4 and 5. Additional locations for viewing reports which overlap into adjacent states are listed in that state's index.  |    |
| 1. U.S.G.S. Library, Rm. 4-A-100, 12201 Sunrise Valley Dr., Reston, VA 22092   |    |
| 2. U.S.G.S. Library, Rm. C2002, Bldg. 20, Federal Center, Box 25046, Stop 914, Denver, CO 80225  |    |
| 3. U.S.G.S. Library, 345 Middlefield Rd., Menlo Park, CA 94025   |    |
| 4. P.I.O., Rm. 1028, GSA Bldg., 19th and F. Sts., NW, Washington, DC 20244   |    |
| 5. U.S.G.S., Rm. LL-3, 301 W. Cumberland Ave., Knoxville, TN 37902   |    |
| 6. South Carolina Geol. Survey, Harbison Forest Rd., Columbia, SC 29210  |    |
| 7. N.T.I.S., 5285 Port Royal Rd., Springfield, VA 22161  |    |

# SOUTH CAROLINA

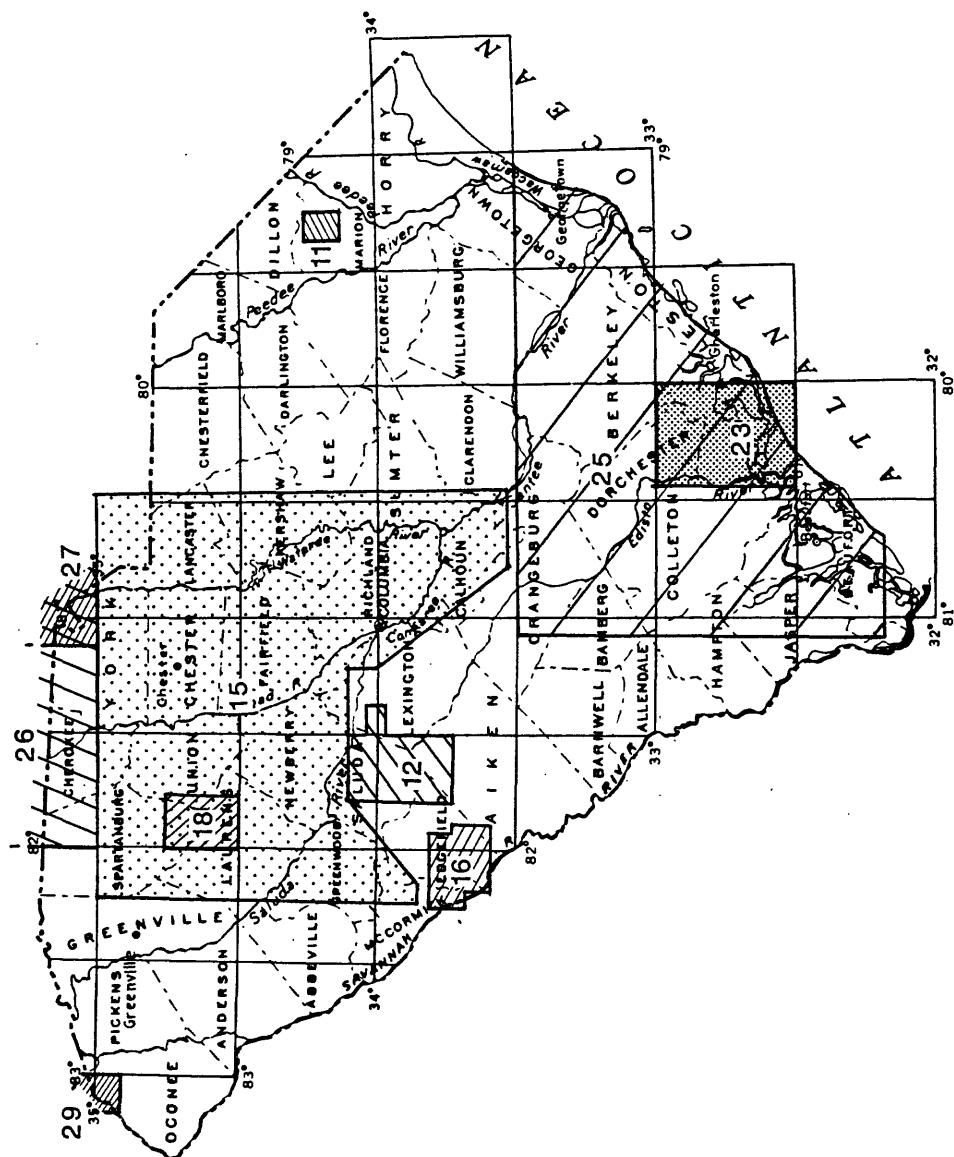
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



MAP 1

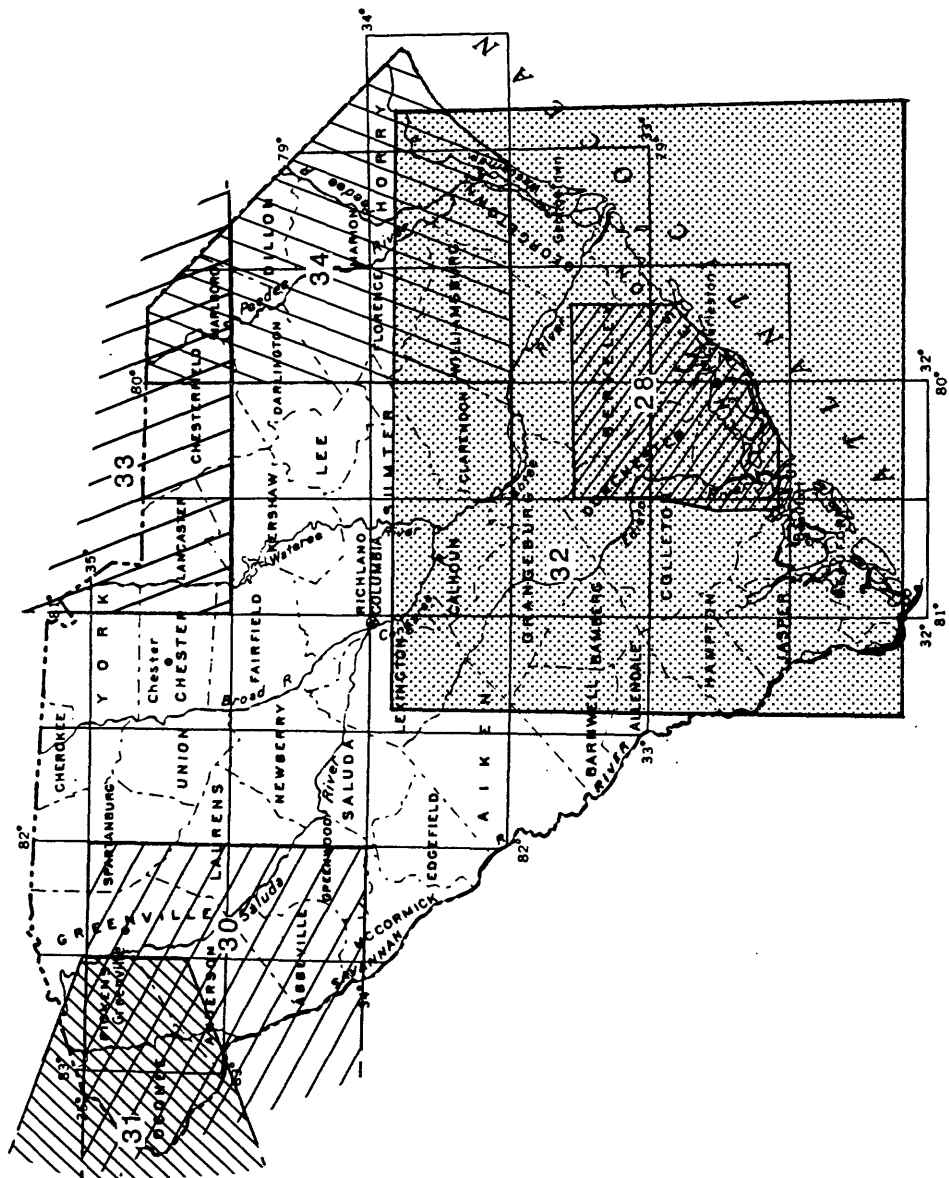
# SOUTH CAROLINA

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

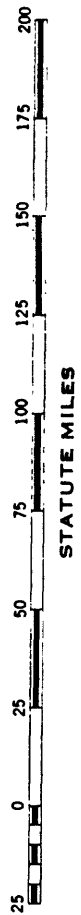


MAP 2

# SOUTH CAROLINA



MAP 3



# TENNESSEE AIRBORNE INDEX

(see U.S. Regional Index for additional publications)

(Repository and some source locations are listed on page 40 except where noted.)

Map ref.

|   |    |
|---|----|
| Dimensions and attitude of the Clark Hollow Peridotite, Union County, Tennessee: An aeromagnetic study, by R. W. Johnson, Jr., Southeast. Geol., v. 2, no. 3, p. 137-155, 1961.....   | 10 |
| Precambrian basement structure and lithology inferred from aeromagnetic and gravity data in eastern Tennessee and southern Kentucky, by J. S. Watkins, <u>in</u> Prof. Paper 450-C, p. 25-28, 1962.....                                   | 11 |
| Natural gamma aeroradioactivity of the Oak Ridge National Laboratory area, Tennessee and Kentucky, by R. G. Bates, scale 1:250,000, GP-308, 1962.....   | 12 |
| Aeroradioactivity survey and areal geology of the Oak Ridge National Laboratory area, Tennessee and Kentucky, by R. G. Bates, 42 p., scale 1:250,000, U.S. Atomic Energy Comm. Rept., CEX-59.4.15, 1962.....<br>(Copies available from 7) | 12 |
| Regional geologic implications of the gravity and magnetic fields of a part of eastern Tennessee and southern Kentucky, by J. S. Watkins, 17 p., scale 1:250,000, Prof. Paper 516-A, 1964.....  | 12 |
| Aeromagnetic map of the southern part of the Knoxville Quadrangle, North Carolina, South Carolina, and Tennessee, 2 sheets, scale 1:125,000, OF Rept. 66-140, 1966.....<br>(Copies on file at 1, 2, 3)                                    | 13 |
| Aeromagnetic map of the New Madrid region, Missouri-Kentucky-Arkansas-Tennessee, scale 1:125,000, OF Rept. 74-360, 1974.....  | 14 |
| Aeromagnetic map of the Jonesboro region, Arkansas, Missouri, Tennessee, scale 1:125,000, OF Rept. 76-318, 1976.....  | 15 |
| Aeromagnetic map of part of the Winston-Salem 1° by 2° Quadrangle, North Carolina, Virginia, and Tennessee, scale 1:125,000, OF Rept. 76-534, 1976.<br>(Copies on file at 1, 2, 3, 5)   | 16 |
| Aeromagnetic map of the northern Mississippi Embayment, parts of Missouri, Arkansas, Tennessee, and Kentucky, by T. G. Hildenbrand and R. W. Johnson, scale 1:500,000, OF Rept. 77-229, 1977.....   | 17 |
| Magnetic and gravity anomalies in the northern Mississippi Embayment and their spacial relation to seismicity, by T. G. Hildenbrand, M. F. Kane, and W. Stauders, S.J., scale 1:1,000,000, MF-914, 1977.....                              | 17 |
| Model for the tectonic evolution of the Mississippi embayment and its contemporary seismicity, by M. F. Kane, T. G. Hildenbrand, and J. D. Hendricks, Geology, v. 9, no. 12, p. 563-568, 1981.....  | 17 |
| Mineral resources of the Joyce Kilmer-Slickrock Wilderness, North Carolina-Tennessee, by F. G. Lesure and others, 89 p., Bulletin 1416, 1977.....   | 18 |

# TENNESSEE AIRBORNE (cont'd)

Map ref.

|  |             |
|--|-------------|
| Geologic map of Hamilton County, Tennessee, including mineral resource data and contours showing magnetic intensity, by R. C. Milici and others, Tennessee Div. Geol., Bull. 79, Part II, Plate I, scale 1:48,000, 1978....                          | 19          |
| Residual total intensity aeromagnetic map of Tennessee, by R. W. Johnson, Jr., C. Haygood, and P. M. Kunselman, 4 sheets, scale 1:250,000, Tennessee Div. Geology Maps, 1979. Available as separate sheets from 6:                                   |             |
| East Central Tennessee.....  | 20          |
| East Tennessee.....  | 21          |
| West Central Tennessee.....  | 22          |
| West Tennessee.....  | 23          |
| Magnetic and gravity features of western Kentucky: Their geologic significance, by T. G. Hildenbrand and G. R. Keller, 13 p., 4 sheets, scale 1:500,000, OF Rept. 83-164, 1983.....  | 24          |
| Aeromagnetic map of Tennessee and Kentucky, by Isidore Zietz and Kevin Bond, scale 1:1,000,000, GP-959, 1984.....  | whole state |
| Reelfoot Rift; Illinois Basin--Ouachita geosyncline connection, by L. F. Berry, <u>in</u> Sedimentary and Igneous Rocks of the Ouachita Mountains of Arkansas, by C. G. Stone and others, Arkansas Geol. Comm. Guidebook 86-2, p. 131-140, 1986..... | 25          |
| Evaluation of the Beech Grove Lineament and factors controlling stream alignments in central Tennessee, by A. L. Reesman and R. G. Stearns, Southeast. Geol., v. 26, no. 1, p. 1-19, 1986.....   | 26          |
| Magnetic, gravity, and radiometric maps of the Chattanooga 1° x 2° Quadrangle, Tennessee and North Carolina, by E. R. King, scale 1:500,000, MF-2139, 1990.....<br>(Also contains a map of part of ref. 12 at scale 1:250,000.)                      | 27          |
| Other publications of interest; not shown on index maps:   |             |
| Determination of structure in the Appalachian basin by geophysical methods, by E. R. King and Isidore Zietz, in Prof. Paper 400-B, p. 199-202, 1960.<br>(Fig. 88.1 shows nine aeromagnetic profiles)   |             |
| Development of Cumberland overthrust block in vicinity of Chestnut Ridge fenster in southwest Virginia, by L. D. Harris and Isidore Zietz, Am. Assoc. Pet. Geol., Bull., v. 46, no. 12, p. 2148-2160, 1962.<br>(Fig. 5 shows aeromagnetic profiles)  |             |
| Airborne radioactivity surveys--A geologic exploration tool, by R. G. Bates, Southeast. Geol., v. 3, no. 4, p. 221-230, 1962.<br>(Parts of ref. 12 are shown)  |             |



## TENNESSEE AIRBORNE (cont'd)

### Other publications--cont'd:

Model of the southeastern margin of the Mississippi Valley graben near Memphis, Tennessee, from interpretation of truck-magnetometer data, by T. G. Hildenbrand, *Geology*, v. 10, no. 9, p. 476-480, 1982.

Satellite and surface geophysical expression of anomalous crustal structure in Kentucky and Tennessee, by M. A. Mayhew, H. H. Thomas, and P. J. Wasilewski, *Earth Planet. Sci. Letters*, v. 58, no. 3, p. 395-405, 1982.  
(Originally published as *Nat. Aeron. & Space Admin. Rept. NASA-TM-82163*, 1981)

Magnetization models for the source of the "Kentucky anomaly" observed by Magsat, by M. A. Mayhew, R. H. Estes, and D. M. Myers, *Earth Planet. Sci. Let.*, v. 74, no. 1, p. 117-129, 1985.  
(Shows general aeromagnetic contours in the area of ref. 21)

The Adams, Tennessee magnetic anomaly, by P. R. Kemmerly, *Jour. Tennessee Acad. Science*, v. 60, no. 1, p. 4-8, 1985.  
(Anomaly is located along the Tennessee-Kentucky border in ref. 22.)

Possible margin of the Reelfoot Rift in Stewart County, Tennessee, by G. A. Nixon and P. R. Kemmerly, *Tennessee Acad. Sci. Jour.*, v. 61, no. 2, p. 51-53, 1986.

Possible active fault zones in West Tennessee interpreted from surface lineaments and magnetic and gravity anomalies, by D. E. Wyatt, Jr., *Southeast. Geol.*, v. 26, no. 1, p. 1-19, 1986.

The Nashville Dome, an isostatically induced erosional structure; and the Cumberland Plateau Dome, an isostatically suppressed late Paleozoic extension of the Jessamine Dome, by A. L. Reesman and R. G. Stearns, *Southeast. Geol.*, v. 30, no. 3, p. 147-174, 1989.

U.S.G.S. open-file reports for Tennessee are available for viewing at 1, 2, 3, 4, 5, and 6. Additional locations for viewing reports which overlap into adjacent states are listed in that state's index.

Tennessee Div. of Geology maps are available only from 6. See page 4 for additional Tennessee maps. These are not available from the USGS.

1. U.S.G.S. Library, Rm. 4-A-100, 12201 Sunrise Valley Dr., Reston, VA 22092
2. U.S.G.S. Library, Rm. C2002, Bldg. 20, Federal Center, Box 25046, Stop 914, Denver, CO 80225
3. U.S.G.S. Library, 345 Middlefield Rd., Menlo Park, CA 94025
4. P.I.O., Rm. 1C45, Federal Bldg., 1100 Commerce St., Dallas, TX 75242
5. U.S.G.S., Rm. LL3, 301 W. Cumberland Ave., Knoxville, TN 37902
6. Tennessee Dept. Conserv., Div. of Geol., 701 Broadway, Nashville, TN 37203
7. N.T.I.S., 5285 Port Royal Road, Springfield, VA 22161

TENNESSEE AIRBORNE (cont'd)

Aeromagnetic maps available only from  
Tennessee Division of Geology  
(see index map no. 1)

Map ref.

Note: Other Tennessee Division of Geology publications are listed in the previous pages.

The Tennessee Division of Geology has open-filed the following aeromagnetic maps at scale 1:48,000:

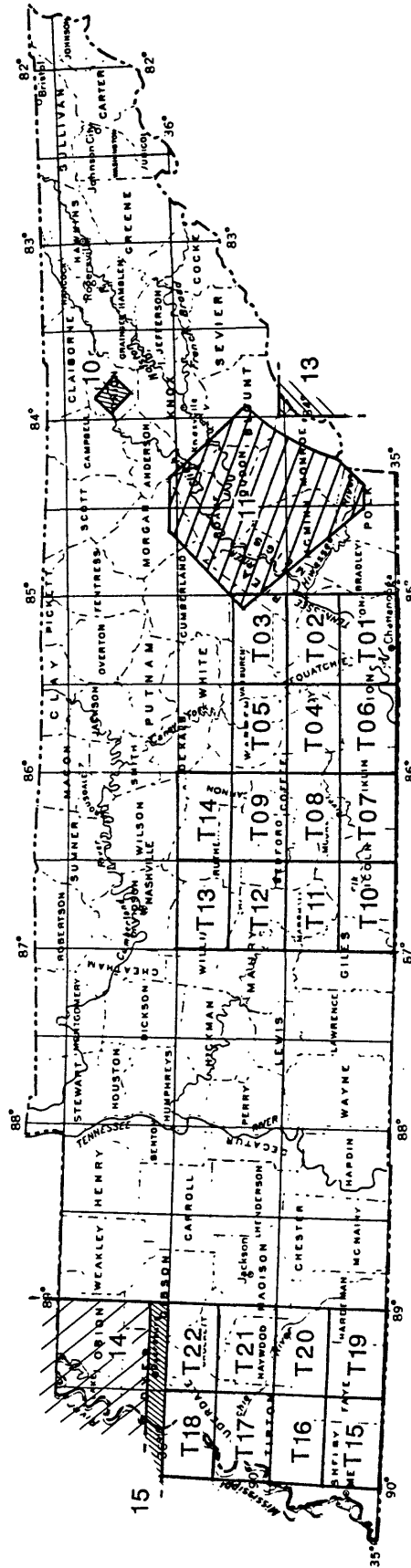
|                                  |     |
|----------------------------------|-----|
| Chattanooga area, No. 75-1.....  | T01 |
| Soddy area, No. 75-2.....        | T02 |
| Pikeville area, No. 75-3.....    | T03 |
| Altamont area, No. 75-4.....     | T04 |
| McMinnville area, No. 75-5.....  | T05 |
| Monteagle, area, No. 75-6.....   | T06 |
| Winchester area, No. 76-1.....   | T07 |
| Tullahoma area, No. 76-2.....    | T08 |
| Wartrace area, No. 76-3.....     | T09 |
| Fayetteville area, No. 76-4..... | T10 |
| Lewisburg area, No. 76-5.....    | T11 |
| Chapel Hill area, No. 76-6.....  | T12 |
| Franklin area, No. 76-7.....     | T13 |
| Murfreesboro area, No. 76-8..... | T14 |
| Germantown area, No. 76-9.....   | T15 |
| Millington area, No. 76-10.....  | T16 |
| Covington area, No. 76-11.....   | T17 |
| Hales Point area, No. 76-12..... | T18 |
| Sommerville area, No. 76-13..... | T19 |
| Stanton area, No. 76-14.....     | T20 |
| Brownsville area, No. 76-15..... | T21 |
| Alamo area, No. 76-16.....       | T22 |

Reproductions of the above maps should be ordered from:

Tennessee Division of Geology  
Attn: Publication Sales  
701 Broadway  
Nashville, TN 37203

# TENNESSEE

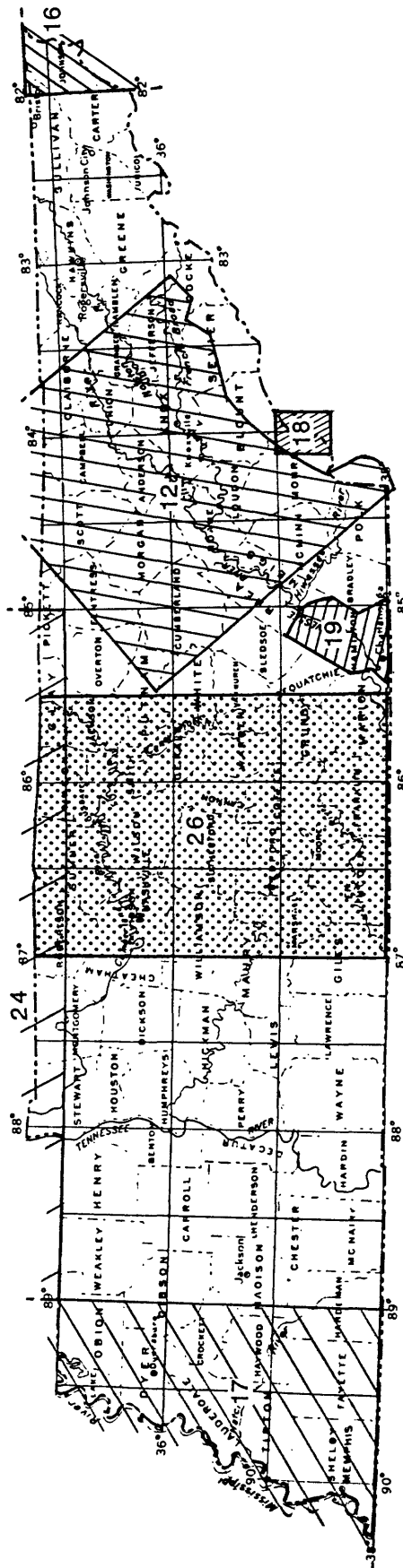
TOPOGRAPHIC DIVISION  
ATLANTIC REGION  
ARLINGTON, VIRGINIA



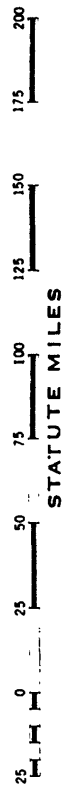
MAP 1

TENNESSEE

**TOPOGRAPHIC DIVISION  
ATLANTIC REGION  
ARLINGTON, VIRGINIA**

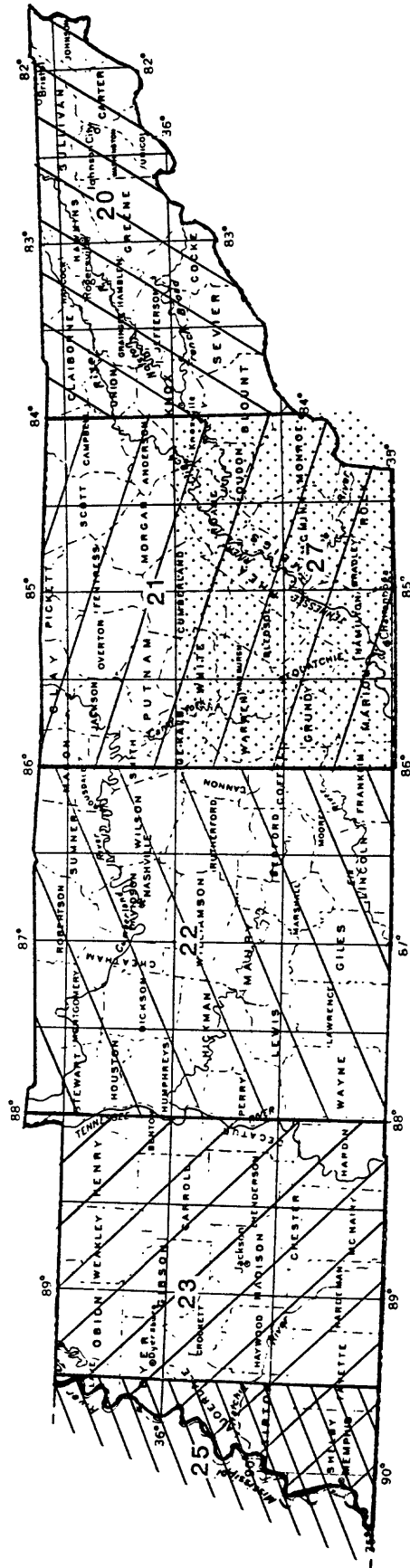


## MAP 2



# TENNESSEE

TOPOGRAPHIC DIVISION  
ATLANTIC REGION  
ARLINGTON, VIRGINIA



MAP 3



# VIRGINIA AIRBORNE INDEX

(see U.S. Regional Index for additional publications)

(Repository and some source locations are listed on page 49 except where noted.)

Map ref.

|  |    |
|--|----|
| Aeromagnetic surveying, by J. R. Balsley, <u>in</u> Advances in Geophysics, v. 1,<br>p. 313-349, New York Academic Press, 1952.....  | 10 |
| Interpretation of airborne magnetometer survey in southwest Virginia, 36 p.,<br>12 sheets, scales 1:100,000 and 1:250,000, Virginia Div. Min. Resources<br>Report, 1962.....   | 11 |
| Aeromagnetic maps of the following quadrangles are by R. W. Bromery and<br>others; scale 1:24,000:   |    |
| Lahore, GP-386, 1963.....  | 12 |
| Belmont, GP-387, 1963.....   | 13 |
| Mineral, GP-388, 1963.....   | 14 |
| Contrary Creek, GP-389, 1963.....  | 15 |
| Joplin, GP-390, 1963.....  | 16 |
| Quantico, GP-391, 1963.....  | 17 |
| Aeromagnetic maps and natural gamma aeroradioactivity maps of the following<br>quadrangles are by J. Blanchett and others; scale 1:24,000:   |    |
| Seneca and part of Sterling, Va. and Md. (mag.), GP-396, 1963.....   | 18 |
| Seneca and part of Sterling, Va. and Md. (rad.), GP-564, 1966.....   | 18 |
| Rockville, Va. and Md. (mag.), GP-397, 1963.....   | 19 |
| Rockville, Va. and Md. (rad.), GP-565, 1966.....   | 19 |
| Aeromagnetic map of Staunton and vicinity, Virginia, by R. W. Johnson, Jr.,<br>and J. S. Watkins, scale 1:62,500, GP-414, 1963.....  | 20 |
| A magnetic survey of the Coastal Plain in Virginia, by D. C. Le Van and<br>R. F. Pharr, 17 p., 3 sheets, Virginia Div. Min. Resources Rept.<br>Invest. 4, 1963.....  | 21 |
| (Aeroradioactivity survey) Norfolk-Peninsula area (ARMS-II), by<br>R. B. Guillou, 20 p., scale 1:250,000, U.S. Atomic Energy Comm.<br>Rept. CEX-61.6.4, 1963.....<br>(Copies available from 7)   | 22 |
| Natural gamma aeroradioactivity of the District of Columbia and parts<br>of Maryland, Virginia, and West Virginia, by S. K. Neuschel, scale<br>1:250,000, GP-475, 1965.....  | 23 |
| Aeroradioactivity survey and areal geology of the District of Columbia and<br>parts of Maryland, Virginia, and West Virginia (ARMS-I), by S. K. Neuschel,<br>40 p., scale 1:250,000, U.S. Atomic Energy Comm. Rept. CEX-59.4.17, 1966..<br>(Copies available from 7) | 23 |

# VIRGINIA AIRBORNE (cont'd)

Map ref.

|  |                |
|--|----------------|
| Magnetic and radiometric data, southwest Piedmont of Virginia, 4 sheets,<br>scale 1:62,500, Virginia Div. Min. Resources Info. Circ. 12, 1966.....   | 24             |
| Aeromagnetic map of parts of the Piney River and Shipman quadrangles, Amherst<br>and Nelson Counties, Virginia, scale 1:24,000, OF Rept. 69-293, 1969.....   | 25             |
| Correlation of aeromagnetic and aeroradioactivity with lithology in the<br>Spotsylvania area, Virginia, by S. K. Neuschel, Geol. Soc. Am. Bull.,<br>v. 81, no. 12, p. 3575-3582, 1970.....   | 26             |
| Aeromagnetic maps of the following quadrangles are at scale 1:62,500:  |                |
| Danville, Va. and N.C., GP-745, 1971.....  | 27             |
| Milton, Va. and N.C., GP-746, 1971.....  | 28             |
| South Boston, Va. and N.C., GP-747, 1971.....  | 29             |
| Some effects of regional metamorphism and geologic structure on magnetic<br>anomalies over the Carolina Slate belt near Roxboro, North Carolina, by<br>E. S. Robinson and others, <u>in</u> The utility of regional gravity and magnetic<br>anomaly maps, W. J. Hinze, ed., Soc. Explor. Geophys., p. 320-324, 1985... | 29             |
| Aeromagnetic map of southeastern Virginia, scale 1:250,000,<br>OF Rept. 72-389, 1972.....  | 30             |
| Geology of the Snow Creek, Martinsville East, Price, and Spray quadrangles,<br>Virginia, by J. F. Conley and W. S. Henika, 71 p., 5 sheets, Virginia<br>Div. Min. Resources Rept. Invest. 33, 1973.....  | 31             |
| Correlation between geophysical data and rock types in the Piedmont and<br>Coastal Plain of northeast Virginia and related areas, by Louis Pavlides<br>and others, U.S.G.S. Jour. Research, v. 2, no. 5, p. 569-580, 1974.....   | 32             |
| Aeromagnetic map of part of northern Virginia, scale 1:250,000,<br>OF Rept. 77-709, 1977.....  | 33             |
| Gamma aeroradioactivity map of parts of Norfolk and Eastville quadrangles,<br>outer Coastal Plain, North Carolina and Virginia, by E. R. Force and<br>S. K. Bose, scale 1:250,000, MF-863, 1977.....   | 34             |
| Aeromagnetic map of Virginia, by Isidore Zietz and others, scale 1:500,000,<br>GP-915, 1977(1978).....   | whole<br>state |
| Aeromagnetic map of Virginia (In color), by Isidore Zietz and others,<br>scale 1:1,000,000, GP-916, 1977.....  | whole<br>state |
| Aeroradioactivity map of parts of Prince Edward, Lunenburg, and Mecklenburg<br>Counties, Virginia, scale 1:250,000, OF Rept. 78-598, 1978.....   | 35             |
| Aeromagnetic map of parts of Prince Edward, Lunenburg, and Mecklenburg<br>Counties, Virginia, scale 1:250,000, OF Rept. 78-599, 1978.....  | 35             |

# VIRGINIA AIRBORNE (cont'd)

Map ref.

|  |    |
|--|----|
| Aeromagnetic map of parts of southeastern Virginia, scale 1:250,000,<br>OF Rept. 78-600, 1978.....   | 36 |
| Aeroradioactivity map of parts of southeastern Virginia, scale 1:250,000,<br>OF Rept. 78-601, 1978.....  | 36 |
| Geophysical characteristics of the Blue Ridge anticlinorium in central and<br>northern Virginia, by S. S. Johnson and T. M. Gaithright, II, <u>in</u><br>Contributions to Virginia geology--III, Virginia Div. Min. Resources<br>Pub. no. 7, p. 23-26, 1978..... | 37 |
| Geology and geophysics of Warren County, Virginia, by E. K. Rader and<br>S. S. Johnson, <u>in</u> Contributions to Virginia geology--III, Virginia<br>Div. Min. Resources Pub. no. 7, p. 91-97, 1978.....  | 38 |
| Gamma-ray spectrometry and geologic mapping, by S. S. Johnson, T. M.<br>Gaithright, II, and W. S. Henika, Virginia Minerals, v. 25, no. 3,<br>p. 17-23, 1979.....  | 39 |
| Aeroradioactivity map of Fairfax County, Virginia, scale 1:48,000,<br>OF Rept. 80-812, 1980.....<br>(Copies on file at 1)  | 40 |
| Aeromagnetic map of Fairfax County, Virginia, scale 1:48,000,<br>OF Rept. 80-813, 1980.....<br>(Copies on file at 1)   | 40 |
| Geophysical-geological analysis of Fairfax County Virginia, by<br>D. L. Daniels, 66 p., OF Rept. 80-1165, 1980.....  | 40 |
| The interaction of geology, weather, and home construction on indoor<br>radon in northern Virginia and southern Maryland, by D. G. Mose,<br>G. W. Mushrush, and S. W. Kline, Northeast. Environ. Sci. v. 7,<br>no. 1, p. 15-29, 1988.....                        | 40 |
| The Eastern Hot Dry Rock Target Prospect; a case history, by C. E. Schubert,<br>J. C. Maxwell and W. J. Johnson, Trans., Geothermal Resources Council,<br>v. 4, p. 241-244, 1980.....  | 41 |
| Aeromagnetic map of the Culpeper Basin and vicinity, Virginia, and<br>Maryland, scale 1:125,000, OF Rept. 81-472, 1981.....<br>(Copies on file at 1, 5) (Area covered is slightly larger than shown)   | 42 |
| Total-count aeroradiometric contour map of the Culpeper Basin and vicinity,<br>Virginia, B. D. Leavy, A. E. Grosz, and S. S. Johnson, scale 1:125,000,<br>Virginia Div. Min. Resources, Pub. no. 40, 1982.....   | 42 |
| Aeromagnetic contour map of the Culpeper Basin and vicinity, Virginia, by<br>S. S. Johnson and A. J. Froelich, scale 1:125,000, Virginia Div. Min.<br>Resources Pub. no. 41, 1982.....<br>(Actual area covered is slightly larger than shown)                    | 42 |



# VIRGINIA AIRBORNE (cont'd)

Map ref.

- Post-Paleozoic activity, by Warren Manspeizer and others, in The Appalachian-Ouachita Orogen in the United States, R. D. Hatcher, ed., in The Geology of North America, Geol. Soc. Am., V. F-2, p. 319-374, 1989. 42  
(Also shows a regional aeromagnetic map of south-central Virginia)
- Piedmont geology of the Ladysmith and Lake Anna East quadrangles and vicinity, Virginia, by A. R. Bobyarchick, Louis Pavlides, and Karen Wier, aeromagnetic map scale 1:24,000, I-1282, 1981..... 43
- Regional geophysics, by S. S. Johnson, in Geologic investigations in the Willis Mountain and Andersonville quadrangles, Virginia, Virginia Div. Min. Resources Pub. no. 29, p. 9-16, 1981..... 44  
(Pl. 1 contains aeroradiometric and aeromagnetic maps, scale 1:62,500)
- Application of total-count aeroradiometric maps to the exploration for heavy-mineral deposits in the coastal plain of Virginia, by A. E. Grosz, 20 p., 5 plates, scale 1:250,000, Prof. Paper 1263, 1983..... 45
- Piedmont geology of the Spotsylvania quadrangle, Spotsylvania County, Virginia, by Karen Wier and Louis Pavlides, scale 1:24,000, I-1568, 1985.. 46
- Aeromagnetic imagery with geologic correlations for some early Mesozoic basins of the eastern United States, by K. R. Bond and J. D. Phillips, in Studies of the early Mesozoic basins of the eastern United States, Bulletin 1776, p. 253-264, 1988..... 47
- A gravity and magnetic study of the Triassic Richmond Basin, Virginia, by K. L. Mickus and others, Dev. in Geotectonics, v. 22, p. 401-421, 1988.... 48
- Interpretation of gravity and magnetic anomalies of the Richmond Triassic Basin, by A. A. Nowroozi and Arnold Wong, in Contributions to Virginia Geology - VI, Virginia Div. Min. Res. Pub. 88, p. 41-60, 1989..... 49
- Exposed and inferred early Mesozoic basins onshore and offshore, Virginia, by G. P. Wilkes, S. S. Johnson, and R. C. Milici, 2 sheets, scale 1:500,000, Virginia Div. Min. Res. Pub. 94, 1989..... 50
- Other publications of interest; not shown on index maps:
- Regional aeromagnetic profiles in central-western Virginia, by R. W. Johnson, OF Rept. 57-057, 1957.
- Correlation of aeroradioactivity data and areal geology, by R. B. Guillou and R. G. Schmidt, in Prof. Paper 400-B, P. 119-121, 1960.  
(Shows aeroradioactivity profiles)
- Determination of structure in the Appalachian basin by geophysical methods, by E. R. King and Isidore Zietz, in Prof. Paper 400-B, p. 199-202, 1960.  
(Shows nine aeromagnetic profiles)

## VIRGINIA AIRBORNE (cont'd)

### Other publications--cont'd.:

Development of Cumberland overthrust block in vicinity of Chestnut Ridge fenster in southwest Virginia, by L. D. Harris and Isidore Zietz, Am. Assoc. Pet. Geol. Bull., v. 46, no. 12, p. 2148-2160, 1962.  
(Fig. 5 shows aeromagnetic profiles)

Gravity survey of Northampton and Accomack Counties, Virginia, by S. S. Johnson and P. C. Sweet, Virginia Minerals, v. 16, no. 3, p. 21-26, 1970.  
(Contains a combined ground and aeromagnetic map of the Eastern Shore area)

Correlation of uranium, thorium, and potassium with aeroradioactivity in the Berea area, Virginia, by S. K. Neuschel, C. M. Bunker, and C. A. Bush, Econ. Geol., v. 66, no. 2, p. 302-308, 1971.

Gravity and magnetic investigation, Eastern Shore area, Virginia, by M. A. Sabet, Geol. Soc. Am. Bull., v. 84, no. 6, p. 2119-2126, 1973.  
(Contains an aeromagnetic profile and a ground magnetic map)

Rare-earth and thorium mineralization in southeastern Rappahannock County, Virginia, by C. R. Halladay, in Contributions to Virginia geology--III: Virginia Div. Min. Resources Pub. no. 7, p. 87-89, 1978.  
(Fig. 1 is an aeroradiometric map)

U.S.G.S. open-file reports for Virginia are available for viewing at 1, 2, 3, and sometimes 4 and 5. Additional locations for viewing reports which overlap into adjacent states are listed in that state's index.

Virginia Div. Mineral Resources publications, reports, circulars and maps are available from 6. See page 6 for additional maps from Virginia. They are not available from the USGS.

1. U.S.G.S. Library, Rm. 4-A-100, 12201 Sunrise Valley Dr., Reston, VA 22092
2. U.S.G.S. Library, Rm. C2002, Bldg. 20, Federal Center, Box 25046, Stop 914, Denver, CO 80225
3. U.S.G.S. Library, 345 Middlefield Rd., Menlo Park, CA 94025
4. U.S.G.S., Rm. LL-3, 301 W. Cumberland Ave., Knoxville, TN 37902
5. Library, Virginia Div. of Mineral Resources, McCormick Rd., Charlottesville, VA 22903
6. Virginia Div. Mineral Resources, Box 3667, Charlottesville, VA 22903
7. N.T.I.S., 5285 Port Royal Rd., Springfield, VA 22161

VIRGINIA AIRBORNE (cont'd)

Aeromagnetic and Aeroradiometric Maps  
available only from  
Virginia Division of Mineral Resources  
(see Index Maps 2 & 3)

Map ref.

Note: Other Virginia Division of Mineral Resources publications are listed  
in the preceeding pages.

Composite aeromagnetic maps, scale 1:250,000, mylar and paper copies available:

|                            |    |
|----------------------------|----|
| Virginia area A, 1972..... | VA |
| Virginia area B, 1971..... | VB |
| Virginia area C, 1972..... | VC |
| Virginia area D, 1972..... | VD |
| Virginia area E, 1970..... | VE |
| Virginia area F, 1969..... | VF |
| Virginia area G, 1965..... | VG |
| Virginia area H, 1962..... | VH |

Composite aeroradiometric maps, scale 1:250,000, mylar and paper copies  
available:

|                             |     |
|-----------------------------|-----|
| Virginia area R1, 1977..... | VR1 |
| Virginia area R2, 1976..... | VR2 |
| Virginia area R3, 1975..... | VR3 |
| Virginia area R4, 1978..... | VR4 |
| Virginia area R5, 1980..... | VR5 |
| Virginia area R6, 1979..... | VR6 |
| Virginia area R7, 1981..... | VR7 |
| Virginia area R8, 1981..... | VR8 |

Individual 15-minute quadrangles, scale 1:62,500, from which the above  
composite aeromagnetic and aeroradiometric 1:250,000 maps were made,  
are also available.

Reproductions of the above maps should ordered from:

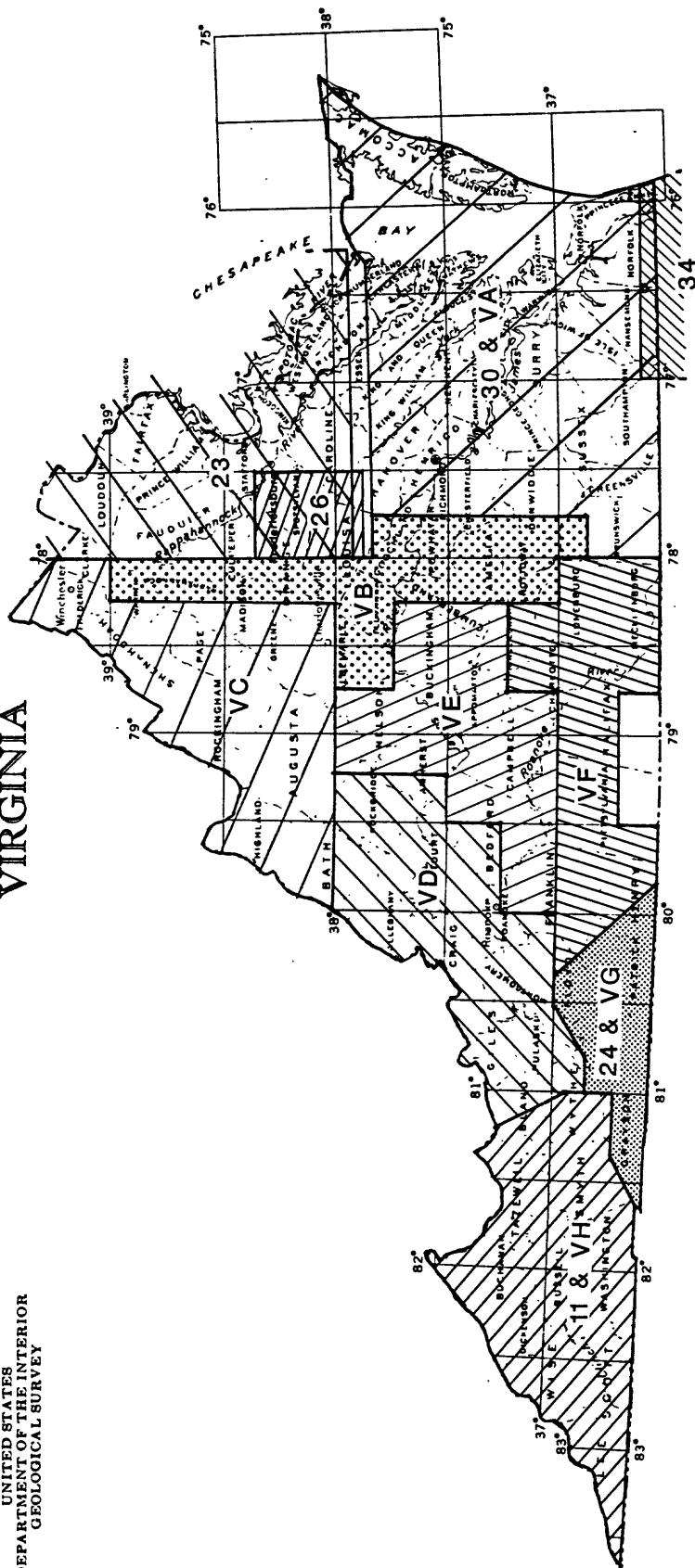
Virginia Division of Mineral Resources  
Box 2667  
Charlottesville, VA 22903  
Phone: (804) 293-5121

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**MAP 1**

# VIRGINIA

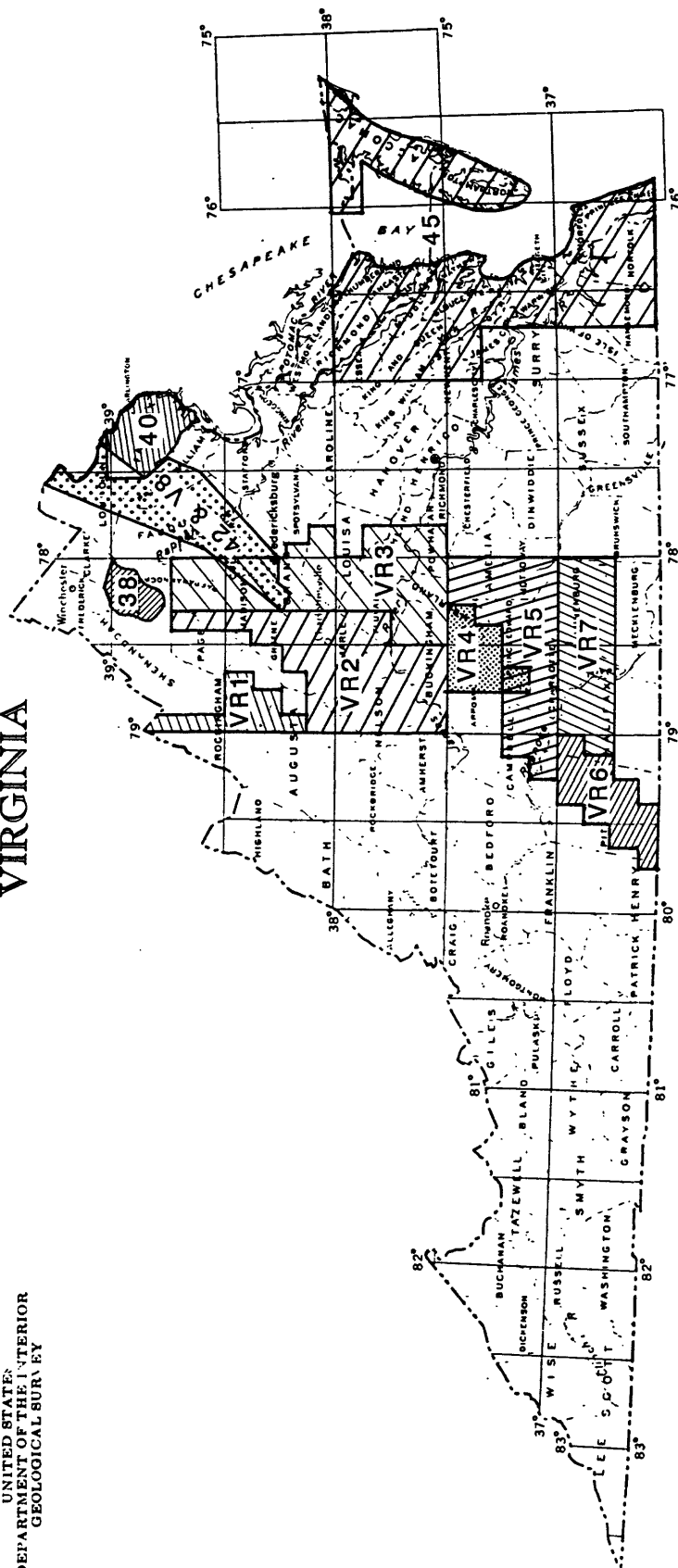


MAP 2



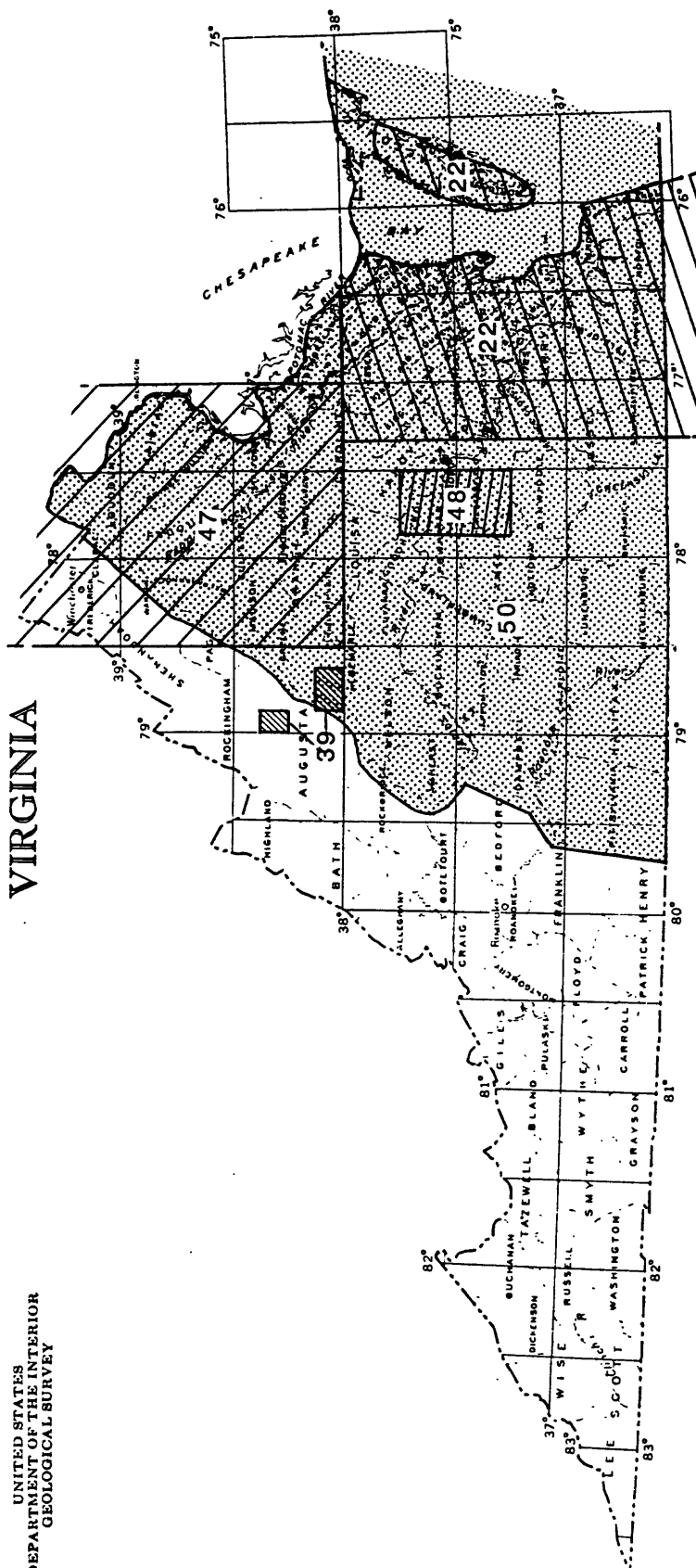
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

# VIRGINIA



MAP 3

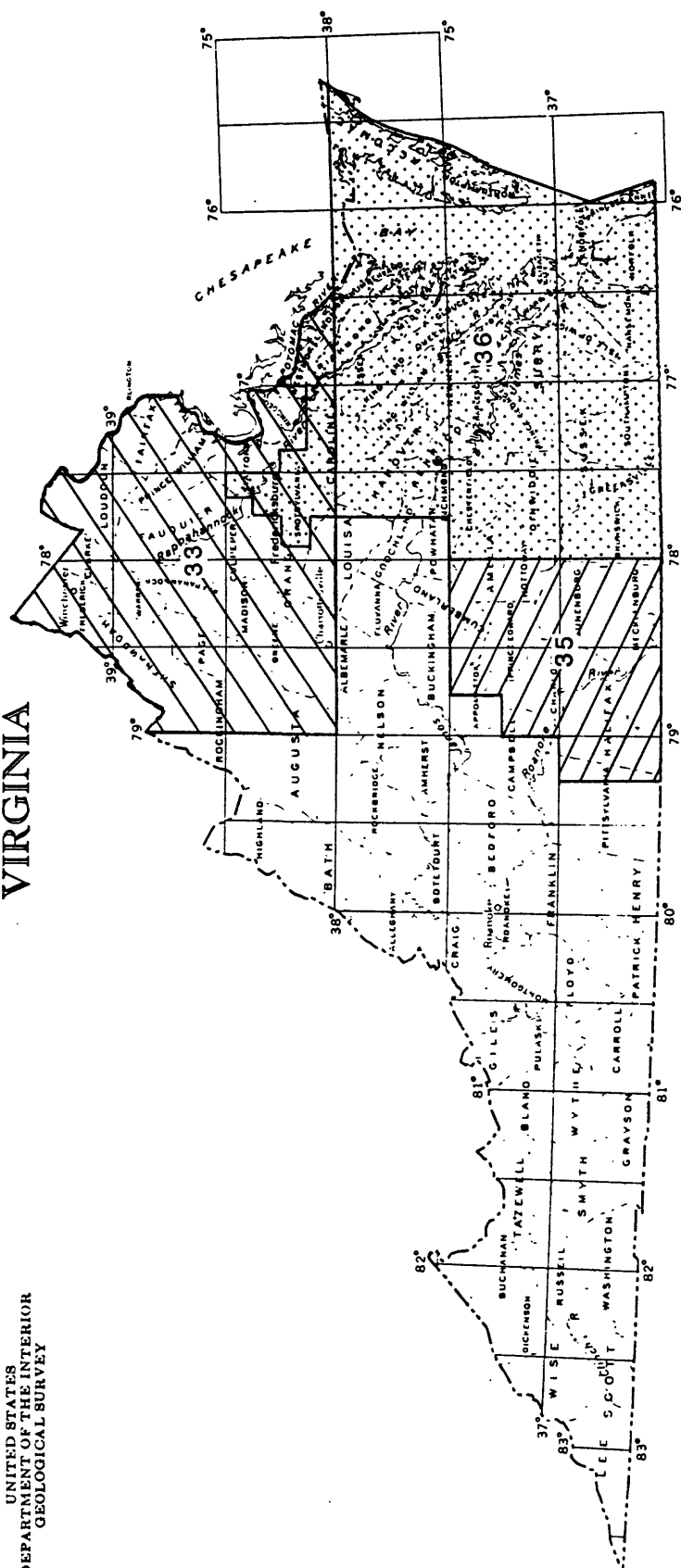
# VIRGINIA



MAP 4

# VIRGINIA

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MAP 5





# WEST VIRGINIA AIRBORNE INDEX

(See U.S. Regional Index for additional publications)

(Repository and some source locations are listed on page 57 except where noted.)

Map ref.

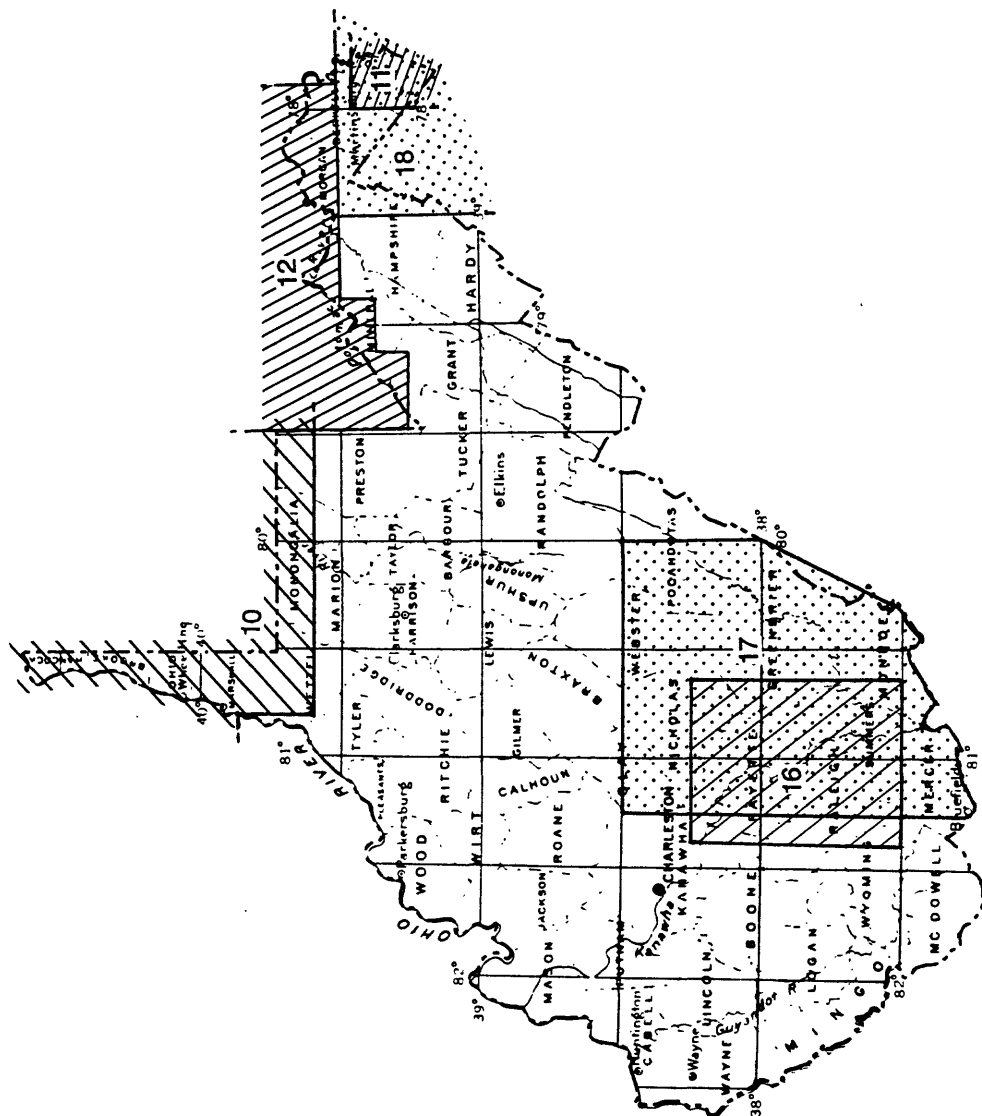
|  |    |
|--|----|
| Aeromagnetic map of western Pennsylvania, and parts of eastern Ohio, northern West Virginia, and western Maryland, by Peter Popenoe, A. J. Petty, and N. S. Tyson, scale 1:250,000, GP-445, 1964.....  | 10 |
| Interpretation of an aeromagnetic survey in western Pennsylvania and parts of eastern Ohio, northern West Virginia, and western Maryland, by M. E. Beck, Jr., and R. E. Mattick, 10 p., Pennsylvania Topo. and Geol. Survey Rept. Info. Circ. 52, 1964.....<br>(This report interprets GP-445) | 10 |
| Natural gamma aeroradioactivity map of the Pittsburgh area, Pennsylvania, Ohio, West Virginia, and Maryland, by R. G. Bates, scale 1:250,000, GP-555, 1966.....  | 10 |
| Aeroradioactivity survey and areal geology of the Pittsburgh area, Pennsylvania, Ohio, West Virginia, and Maryland (ARMS-I), by R. G. Bates, 20 p., scale 1:250,000, U.S. Atomic Energy Comm. Rept. CEX-59.4.12, 1966..<br>(Copies available from 6)   | 10 |
| Map showing major fold axis, satellite-imagery lineaments, elongate aeroradioactivity anomalies, and lines of structural discontinuity, southwestern Pennsylvania and vicinity, by R. P. Briggs and W. R. Kohl, scale 1:250,000, MF-815, 1976.....<br>(Does not extend as far south as shown)  | 10 |
| Natural gamma aeroradioactivity of the District of Columbia and parts of Maryland, Virginia, and West Virginia, by S. K. Neuschel, scale 1:250,000, GP-475, 1965.....  | 11 |
| Aeroradioactivity survey and areal geology of the District of Columbia and parts of Maryland, Virginia, and West Virginia (ARMS-I), by S. K. Neuschel, 40 p., scale 1:250,000, U.S. Atomic Energy Comm. Rept. CEX-59.4.17, 1966..<br>(Copies available from 6)                                 | 11 |
| Aeromagnetic map of Cumberland and vicinity, Maryland and adjacent states, scale 1:250,000, GP-842, 1972.....  | 12 |
| Aeromagnetic map of the southern part of West Virginia, scale 1:250,000, OF Rept. 74-047, 1974.....  | 13 |
| Aeromagnetic map of the central part of West Virginia, scale 1:250,000, OF Rept. 74-337, 1974.....   | 14 |
| Aeromagnetic map of the northern part of West Virginia, scale 1:250,000, OF Rept. 76-780, 1976.....  | 15 |
| Aeromagnetic and gravity maps, New River Gorge and vicinity, West Virginia, by E. R. King, scale 1:250,000, OF Rept. 77-076-D, 1977.....<br>(Copies on file at 1, 4, 5)  | 16 |

# WEST VIRGINIA AIRBORNE (cont'd)

Map ref.

- Mineral resource appraisal of the New River Gorge, Fayette, Raleigh, and Summers Counties, West Virginia, by Kenneth J. Englund and others, OF Rept. 77-207, 1977..... 16  
(This is the text to OF Rept. 77-076, maps A through L)  
(Copies on file at 1, 4, 5)
- Aeromagnetic map of West Virginia, scale 1:250,000, GP-921, 1978..... whole state
- Regional tectonics, systematic fractures and photolinears in southeastern West Virginia, by S. L. Dean, B. R. Kulander, and R. E. Williams, Proc., Internat. Conf. Basement Tectonics, no. 2, p. 10-53, 1979..... 17
- Aeromagnetic map of Delaware, Maryland, Pennsylvania, West Virginia, and parts of New Jersey and New York (in color), by Isidore Zietz, F. P. Gilbert, and J. R. Kirby, Jr., scale 1:1,000,000, GP-927, 1980..... whole state
- Aeromagnetic imagery with geologic correlations for some early Mesozoic basins of the Eastern United States, by K. R. Bond and J. D. Phillips, in Studies of the early Mesozoic basins of the Eastern United States, Bulletin 1776, p. 253-264, 1988..... 18
- Other publications of interest; not shown on index maps:
- Regional aeromagnetic profiles in central-western Virginia, by R. W. Johnson, Jr., 3 sheets, scale 1:250,000, OF Rept. 57-057, 1957.  
(Profiles are located in West Virginia)
- Gravity, magnetics, and structure: Allegheny Plateau/Western Valley and Ridge in West Virginia and adjacent states, by B. R. Kulander and S. L. Dean, 91 p., 3 sheets, scale 1:250,000, West Virginia Geol. and Econ. Survey Rept. Invest. 27, 1978. (Pl. 3 is a combination of ground and aeromagnetics and covers most of refs. 12 and 13 and eastern half of 14.)  
(Copies available from 5)
- U.S.G.S. open-file reports for West Virginia are available for viewing at 1, 2, 3, 5, and sometimes 4. Additional locations for viewing reports which overlap into adjacent states are listed in that state's index.
1. U.S.G.S. Library, Rm. 4-A-100, 12201 Sunrise Valley Dr., Reston, VA 22092
  2. U.S.G.S. Library, Rm. C2002, Bldg. 20, Federal Center, Box 25046, Stop 914, Denver, CO 80225
  3. U.S.G.S. Library, 345 Middlefield Rd., Menlo Park, CA 94025
  4. P.I.O., Rm. 1028, GSA Bldg., 19th and F Sts., NW, Washington, DC 20244
  5. West Virginia Geol. and Econ. Survey, P.O. Box 879, Morgantown, WV 26507
  6. N.T.I.S., 5285 Port Royal Rd., Springfield, VA 22161

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25 0 25 50 75 100 125 150 175 200

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## SOUTHEASTERN AREA DOE-NURE AIRBORNE INDEX

Note: All reports and maps listed here are available from the U.S. Geological Survey Books and Open File Reports Section. Reports covering detail areas and other special studies are listed in the individual state indexes or the U.S. Regional Index.

The following map is a master index for the Department of Energy's National Uranium Resource Evaluation (NURE) reports. It lists all the publication numbers for each 2° sheet. Included are geochemical, geological, and airborne geophysical reports:

Index of open file reports - United States, by Bendix Field Engineering Corp., U.S. Department of Energy, Grand Junction Office Preliminary Map 35, 1983.

### 1° BY 2° QUADRANGLE REPORTS

GJO- and GJBX- reports are the original contractor reports containing aeroradiometric and aeromagnetic profiles. A bibliography of these reports follows the Quadrangle list. Many of these reports consist of two or more volumes. Map (profile) scales are usually 1:500,000 unless otherwise noted. Item number refers to the location in the bibliography where the publication is cited.

PGJ/F- and GJQ- reports are uranium evaluation summaries. They are listed here only if airborne data are presented. They are also included in the bibliography. Map scales are usually 1:500,000 unless otherwise noted.

GJM- reports contain 4 sheets of aeromagnetics only. Sheets 1-3 show profiles and sheet 4 is a contoured aeromagnetic map at scale 1:250,000. They are not listed in the bibliography. They were published as follows: GJM-001 through 018 in 1981, GJM-019 through 292 in 1982, and the rest in 1983. A commonly used citation for GJM's is:

\_\_\_\_ Quadrangle, residual intensity magnetic anomaly profile and contour maps, by Bendix Field Engineering Corp., 4 sheets, scale 1:250,000, U.S. Department of Energy, Grand Junction Office Open-file Report GJM-\_\_\_\_, 1982 (or 1983).

| Quadrangle   | item             | item              |         |
|--------------|------------------|-------------------|---------|
| Andalusia    | 45. GJBX-123(81) |                   | GJM-077 |
| Apalachicola | 42. GJBX-120(81) |                   | GJM-104 |
| Athens       | 1. GJO-1663-1    | 48. GJQ-002(80)   | GJM-386 |
| Atlanta      | 10. GJBX-047(80) |                   | GJM-085 |
| Augusta      | 1. GJO-1663-1    | 50. PGJ/F-031(82) | GJM-383 |
| Baltimore    | 2. GJBX-133(78)  |                   | GJM-167 |
| Beaufort     | 7. GJBX-036(80)  |                   | GJM-153 |
| Birmingham   | 12. GJBX-070(80) |                   | GJM-166 |
| Bluefield    | 17. GJBX-092(80) |                   | GJM-185 |
| Blytheville  | 30. GJBX-205(80) |                   | GJM-138 |
| Brunswick    | 38. GJBX-103(81) |                   | GJM-111 |
| Canton       | 17. GJBX-092(80) |                   | GJM-176 |
| Charleston   | 17. GJBX-092(80) |                   | GJM-182 |

## SOUTHEASTERN AREA AIRBORNE (cont'd)

| Quadrangle      | item             | item              |         |
|-----------------|------------------|-------------------|---------|
| Charlotte       | 4. GJBX-057(79)  |                   | GJM-164 |
| Charlottesville | 17. GJBX-092(80) | 52. PGJ/F-114(82) | GJM-183 |
| Chattanooga     | 17. GJBX-092(80) |                   | GJM-087 |
| Cincinnati      | 34. GJBX-096(81) |                   | GJM-148 |
| Clarksburg      | 17. GJBX-092(80) |                   | GJM-179 |
| Columbia        | 26. GJBX-199(80) |                   | GJM-079 |
| Corbin          | 17. GJBX-092(80) |                   | GJM-123 |
| Cumberland      | 17. GJBX-092(80) |                   | GJM-180 |
| Daytona Beach   | 36. GJBX-101(81) |                   | GJM-112 |
| Dothan          | 43. GJBX-121(81) |                   | GJM-102 |
| Dyersburg       | 8. GJBX-040(80)  |                   | GJM-081 |
| Eastville       | 16. GJBX-089(80) |                   |         |
| Evansville      | 6. GJBX-030(80)  |                   | GJM-119 |
| Florence        | 1. GJO-1663-1    |                   | GJM-380 |
| Fort Pierce     | 40. GJBX-118(81) |                   | GJM-082 |
| Gadsden         | 12. GJBX-070(80) |                   | GJM-075 |
| Gainesville     | 36. GJBX-101(81) |                   | GJM-108 |
| Georgetown      | 1. GJO-1663-1    |                   | GJM-381 |
| Greensboro      | 3. GJBX-016(79)  | 51. PGJ/F-063(82) | GJM-162 |
| Greenville      | 1. GJO-1663-1    |                   | GJM-385 |
| Greenwood       | 25. GJBX-183(80) |                   | GJM-126 |
| Hattiesburg     | 21. GJBX-155(80) |                   | GJM-131 |
| Helena          | 27. GJBX-201(80) |                   | GJM-319 |
| Huntington      | 47. GJBX-134(81) |                   | GJM-181 |
| Jackson         | 19. GJBX-153(80) |                   | GJM-129 |
| Jacksonville    | 35. GJBX-100(81) |                   | GJM-154 |
| Jenkins         | 17. GJBX-092(80) |                   | GJM-149 |
| Johnson City    | 3. GJBX-016(79)  |                   | GJM-160 |
| Key West        | 41. GJBX-119(81) |                   | GJM-083 |
| Knoxville       | 4. GJBX-057(79)  |                   | GJM-163 |
| Louisville      | 32. GJBX-094(81) |                   | GJM-117 |
| Macon           | 13. GJBX-084(80) |                   | GJM-105 |
| Manteo          | 11. GJBX-057(80) |                   | GJM-128 |
| Memphis         | 22. GJBX-179(80) |                   | GJM-318 |
| Meridian        | 20. GJBX-154(80) |                   | GJM-057 |
| Miami           | 41. GJBX-119(81) |                   | GJM-086 |
| Mobile          | 31. GJBX-222(80) |                   | GJM-071 |
| Montgomery      | 15. GJBX-088(80) |                   | GJM-078 |
| Nashville       | 28. GJBX-202(80) |                   | GJM-076 |
| Natchez         | 23. GJBX-180(80) |                   | GJM-146 |
| Norfolk         | 16. GJBX-089(80) |                   | GJM-151 |
| Orlando         | 39. GJBX-104(81) |                   | GJM-113 |
| Paducah         | 9. GJBX-041(80)  |                   | GJM-118 |
| Pensacola       | 44. GJBX-122(81) |                   | GJM-101 |
| Phenix City     | 18. GJBX-101(80) |                   | GJM-084 |
| Raleigh         | 14. GJBX-085(80) |                   | GJM-165 |
| Richmond        | 2. GJBX-133(78)  |                   | GJM-121 |
| Roanoke         | 17. GJBX-092(80) |                   | GJM-186 |
| Rocky Mount     | 11. GJBX-057(80) |                   | GJM-152 |
| Rome            | 17. GJBX-092(80) |                   | GJM-114 |
| Savannah        | 1. GJO-1663-1    |                   | GJM-384 |
| Spartanburg     | 1. GJO-1663-1    | 49. GJQ-004(80)   | GJM-382 |

# SOUTHEASTERN AREA AIRBORNE (cont'd)

| Quadrangle      | item             | item    |
|-----------------|------------------|---------|
| Tallahassee     | 42. GJBX-120(81) | GJM-103 |
| Tampa           | 46. GJBX-124(81) | GJM-110 |
| Tarpon Springs  | 39. GJBX-104(81) | GJM-109 |
| Tupelo          | 29. GJBX-203(80) | GJM-132 |
| Valdosta        | 35. GJBX-100(81) | GJM-107 |
| Vincennes       | 33. GJBX-095(81) | GJM-116 |
| Washington      | 2. GJBX-133(78)  | GJM-184 |
| Waycross        | 38. GJBX-103(81) | GJM-106 |
| West Palm Beach | 37. GJBX-102(81) | GJM-115 |
| West Point      | 24. GJBX-181(80) | GJM-056 |
| Winchester      | 5. GJBX-023(80)  | GJM-120 |
| Winston-Salem   | 3. GJBX-016(79)  | GJM-161 |

## BIBLIOGRAPHY

1. Aerial radiometric and magnetic survey, Athens, Augusta, Florence, Georgetown, Greenville, Savannah, and Spartanburg national topographic maps, Georgia and South Carolina areas, by Geodata International, Inc., 14 vols., scales 1:250,000 and 1:500,000, U.S. Energy Research and Development Administration, Grand Junction Office Report GJO-1663-1, 1976.
2. Aerial radiometric and magnetic reconnaissance survey of Baltimore, Washington, and Richmond quadrangles, by Texas Instruments, Inc., 4 vols., U.S. Department of Energy, Grand Junction Office Report GJBX-133(78), 1978.
3. NURE aerial gamma-ray and magnetic reconnaissance survey, Blue Ridge area, Greensboro NJ 17-12, Winston-Salem NJ 17-11, Johnson City NJ 17-10 quadrangles, by LK&B Resources, Inc., 4 vols., U.S. Department of Energy, Grand Junction Office Report GJBX-016(79), 1979.
4. NURE aerial gamma-ray and magnetic reconnaissance survey, Blue Ridge area, Knoxville NI 17-1, Charlotte NI 17-2 quadrangles, by LK&B Resources, Inc., 3 vols., U.S. Department of Energy, Grand Junction Office Report GJBX-057(79), 1979.
5. Aerial radiometric and magnetic survey, Winchester National Topographic Map, Kentucky, by GeoData International, Inc., 1 vol., U.S. Department of Energy, Grand Junction Office Report GJBX-023(80), 1980.
6. Aerial radiometric and magnetic survey, Evansville National Topographic Map, Indiana and Kentucky, by GeoData International, Inc., 1 vol., U.S. Department of Energy Grand Junction Office Report GJBX-030(80), 1980.
7. Aerial radiometric and magnetic survey, Beaufort National Topographic Map, North Carolina, by GeoData International, Inc., 1 vol., U.S. Department of Energy, Grand Junction Office Report GJBX-036(80), 1980.
8. Aerial radiometric and magnetic reconnaissance survey of portions of Arkansas, Illinois, Indiana, Kentucky, Missouri and Tennessee, Dyersburg Quadrangle, by Texas Instruments, Inc., 2 vols., U.S. Department of Energy, Grand Junction Office Report GJBX-040(80), 1980.

SOUTHEASTERN AREA AIRBORNE (cont'd)

9. Aerial radiometric and magnetic reconnaissance survey of portions of Arkansas, Illinois, Indiana, Kentucky, Missouri and Tennessee, Paducah Quadrangle, by Texas Instruments, Inc., 2 vols., U.S. Department of Energy, Grand Junction Office Report GJBX-041(80), 1980.
10. Aerial radiometric and magnetic reconnaissance survey of portions of Alabama and Georgia, Atlanta Quadrangle, by Texas Instruments, Inc., 2 vols., U.S. Department of Energy Grand Junction Office Report GJBX-047(80), 1980.
11. Aerial radiometric and magnetic survey, Rocky Mount/Manteo national topographic maps, North Carolina, by GeoData International, Inc., 1 vol., U.S. Department of Energy, Grand Junction Office Report GJBX-057(80), 1980.
12. Airborne gamma-ray spectrometer and magnetometer survey, Birmingham Quadrangle (Alabama), Gadsden Quadrangle (Alabama and Tennessee), by High Life Helicopters, Inc., and QEB, Inc., 2 vols., U.S. Department of Energy, Grand Junction Office Report GJBX-070(80), 1980.
13. Aerial radiometric and magnetic survey, Macon National Topographic Map, Georgia, by GeoData International, Inc., 1 vol., U.S. Department of Energy, Grand Junction Office Report GJBX-084(80), 1980.
14. Aerial radiometric and magnetic survey, Raleigh National Topographic Map, North Carolina, by GeoData International, Inc., 1 vol., U.S. Department of Energy, Grand Junction Office Report GJBX-085(80), 1980.
15. Aerial radiometric and magnetic survey, Montgomery National Topographic Map, Alabama, by GeoData International, Inc., 1 vol., U.S. Department of Energy, Grand Junction Office Report GJBX-088(80), 1980.
16. Aerial radiometric and magnetic survey, Norfolk/Eastville national topographic maps, North Carolina, by GeoData International, Inc., 1 vol., U.S. Department of Energy, Grand Junction Office Report GJBX-089(80), 1980.
17. Aerial radiometric and magnetic reconnaissance survey of portions of Alabama, Georgia, Kentucky, Maryland, North Carolina, Ohio, Pennsylvania, Virginia and West Virginia, by Carson Helicopters, Inc., 12 vols., U.S. Department of Energy Grand Junction Office Report GJBX-092(80), 1980.
18. Aerial radiometric and magnetic survey, Phenix City National Topographic Map, Alabama and Georgia, by GeoData International, Inc., 1 vol., U.S. Department of Energy, Grand Junction Office Report GJBX-101(80), 1980.
19. Aerial gamma ray and magnetic survey, Jackson Quadrangle, Mississippi and Louisiana, 1 vol., by EG&G GeoMetrics, Inc., U.S. Department of Energy, Grand Junction Office Report GJBX-153(80), 1980.
20. Aerial gamma ray and magnetic survey, Meridian Quadrangle, Mississippi and Alabama, 1 vol., by EG&G GeoMetrics, Inc., U.S. Department of Energy, Grand Junction Office Report GJBX-154(80), 1980.



SOUTHEASTERN AREA AIRBORNE (cont'd)

21. Aerial gamma ray and magnetic survey, Hattisburg Quadrangle, Mississippi, Alabama, and Louisiana, by EG&G GeoMetrics, Inc., 1 vol., U.S. Department of Energy, Grand Junction Office Report GJBX-155(80), 1980.
22. Aerial gamma ray and magnetic survey, Memphis Quadrangle, Arkansas, Missouri, and Tennessee, by EG&G GeoMetrics, Inc., 1 vol., U.S. Department of Energy Grand Junction Office Report GJBX-179(80), 1980.
23. Aerial gamma ray and magnetic survey, Natchez Quadrangle, Mississippi and Louisiana, by EG&G GeoMetrics, Inc., 1 vol., U.S. Department of Energy Grand Junction Office Report GJBX-180(80), 1980.
24. Aerial gamma ray and magnetic survey, West Point Quadrangle, Mississippi and Alabama, by EG&G GeoMetrics, Inc., 1 vol., U.S. Department of Energy Grand Junction Office Report GJBX-181(80), 1980.
25. Aerial gamma ray and magnetic survey, Greenwood Quadrangle, Mississippi, Arkansas, and Louisiana, by EG&G GeoMetrics, Inc., 1 vol., U.S. Department of Energy, Grand Junction Office Report GJBX-183(80), 1980.
26. Aerial gamma ray and magnetic survey, Columbia Quadrangle, Tennessee and Alabama, by EG&G GeoMetrics, Inc., 1 vol., U.S. Department of Energy, Grand Junction Office Report GJBX-199(80), 1980.
27. Aerial gamma ray and magnetic survey, Helena Quadrangle, Arkansas, Mississippi, and Tennessee, by EG&G GeoMetrics, Inc., 1 vol., U.S. Department of Energy Grand Junction Office Report GJBX-201(80), 1980.
28. Aerial gamma ray and magnetic survey, Nashville Quadrangle, Tennessee and Kentucky, by EG&G GeoMetrics, Inc., 1 vol., U.S. Department of Energy, Grand Junction Office Report GJBX-202(80), 1980.
29. Aerial gamma ray and magnetic survey, Tupelo Quadrangle, Mississippi, Alabama, and Tennessee, by EG&G GeoMetrics, Inc., 1 vol., U.S. Department of Energy, Grand Junction Office Report GJBX-203(80), 1980.
30. Aerial gamma ray and magnetic survey, Blytheville Quadrangle, Tennessee, Arkansas, and Missouri, by EG&G GeoMetrics, Inc., 1 vol., U.S. Department of Energy, Grand Junction Office Report GJBX-205(80), 1980.
31. Aerial gamma ray and magnetic survey, Mobile Quadrangle, Louisiana, Mississippi, and Alabama, by EG&G GeoMetrics, Inc., 1 vol., U.S. Department of Energy, Grand Junction Office Report GJBX-222(80), 1980.
32. Aerial gamma ray and magnetic survey, Louisville Quadrangle, Indiana, Ohio, and Kentucky, by EG&G GeoMetrics, Inc., 1 vol., U.S. Department of Energy Grand Junction Office Report GJBX-094(81), 1981.
33. Aerial gamma ray and magnetic survey, Vincennes Quadrangle, Indiana, Illinois, and Kentucky, by EG&G GeoMetrics, Inc., 1 vol., U.S. Department of Energy, Grand Junction Office Report GJBX-095(81), 1981.

SOUTHEASTERN AREA AIRBORNE (cont'd)

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# SOUTHEASTERN AREA QUADRANGLE LOCATION MAP

