

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Bibliographies and location maps of publications on
aeromagnetic and aeroradiometric surveys for the states west of
the Mississippi River and east of approximately 104° longitude

by

Patricia L. Hill

Open-File Report 91-370-B

1991

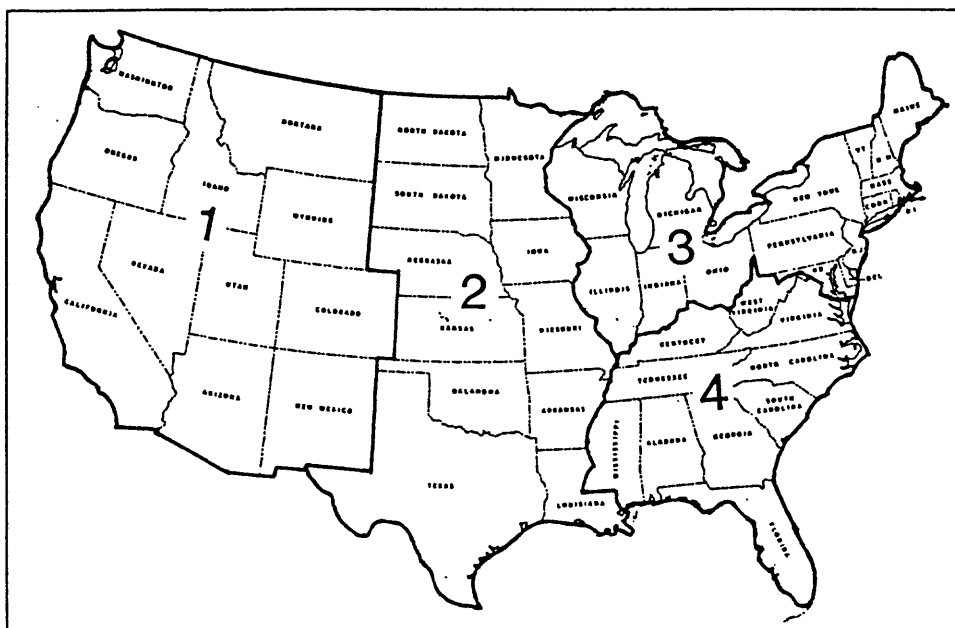
This report is preliminary and has not been reviewed for conformity with
U.S. Geological Survey editorial standards.

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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).

ARKANSAS AIRBORNE INDEX

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

(Repository and some source locations are listed on page 5 except where noted.)

Map ref.

Geochemistry and petrology of the alkalic igneous complex at Magnet Cove, Arkansas, by R. L. Erickson, and L. V. Blade, 95 p., aeromagnetic map scale 1:48,000, Prof. Paper 425, 1963.....	10
Aeromagnetic prospecting for bauxite in the Mississippi Embayment, Arkansas and Missouri, by Anna Jespersion, scale 1:125,000, GP-370, 1964... (Includes profiles extending to the southwest and northeast of area shown)	11
Aeromagnetic survey of southwestern Arkansas, surveyed and compiled by Aero Service Corp., 2 sheets, scale 1:100,000, 1967..... (Copies available from 5)	12 & 13
Aeromagnetic survey of southwestern Arkansas, surveyed and compiled by Aero Service Corp., 23 sheets, scale 1:24,000, 1967..... (Copies available from 5)	12 & 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 the northern Mississippian 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, 14, & 15
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, scale 1:1,000,000, MF-914, 1977.....	11, 14, & 15
Total field aeromagnetic map of northeast Arkansas, by J. D. Hendricks and T. G. Hildenbrand, scale 1:250,000, OF Rept. 79-1208, 1979.....	16
Report on aeromagnetic surveys of parts of northeast Arkansas, by J. D. Hendricks, N. F. Williams and D. F. Holbrook, <u>in</u> New Madrid seismotectonic study, T. C. Buschbach, ed., U.S. Nuclear Reg. Comm. Rept. NUREG/CR-0977, p. 137-147, 1980..... (Copies available from 6)	16
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..... (Extends only to 35° to the south)	16
Aeromagnetic map of central and northeastern Arkansas, by T. G. Hildenbrand, J. D. Hendricks, and R. P. Kucks, scale 1:500,000, OF Rept. 81-758, 1981..	16 & 17

ARKANSAS AIRBORNE (cont'd)

Map ref.

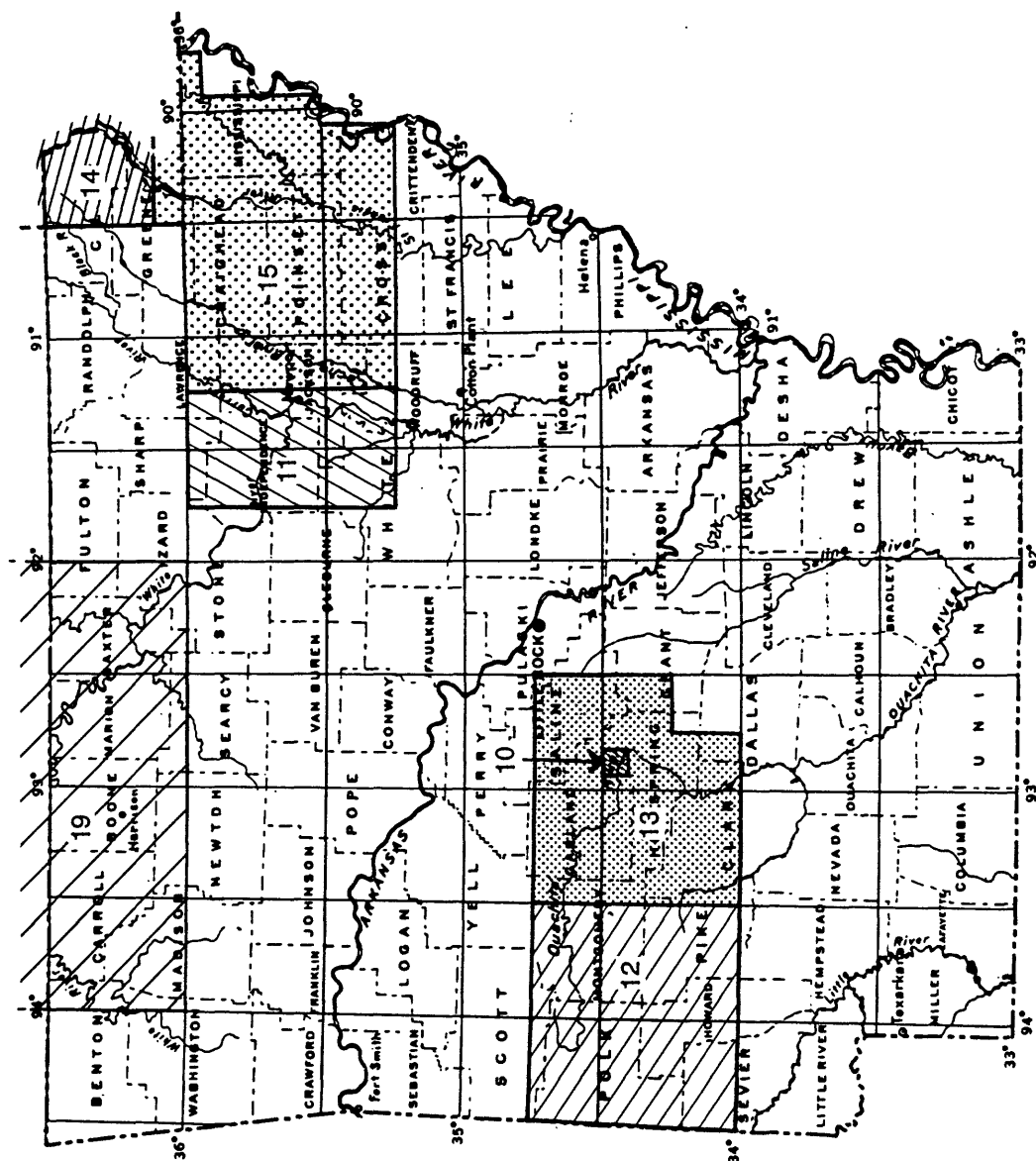
- Reelfoot Rift; Illinois Basin--Ouachita geosyncline connection, by L. F. Berry, in Sedimentary and igneous rocks of the Ouachita Mountains of Arkansas, by C. G. Stone and others, Arkansas Geol. Comm. Guidebook 86-2, p. 131-140, 1986..... 16 & 17
- Model of the southeastern margin of the Mississippi Valley graben near Memphis, Tennessee, from interpretation of truck-magnetometer data, by T. G. Hildenbrand, Geology, v. 10, no. 9, p. 476-480, 1982..... 18
- Aeromagnetic survey of central Arkansas, by Arkansas Geol. Comm., in New Madrid seismotectonic study, T. C. Buschbach, ed., U.S. Nuclear Reg. Comm. Rept. NUREG/CR-3173, p. 34-41, 1983. not shown
(Covers same area as refs. 16 & 17 east of 91°45')
- Geophysical maps and interpretation of basement terrane in the Harrison 1° x 2° Quadrangle, Missouri and Arkansas, by A. E. McCafferty, L. Cordell, and R. E. Bracken, 2 sheets, scales 1:250,000, and 1:500,000, MF-1994-B, 1989..... 19

U.S.G.S. open-file reports for Arkansas are available for viewing at 1, 2, 3, 4, and sometimes 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. 1C45, Federal Bldg., 1100 Commerce St., Dallas, TX 75242
5. Arkansas Geol. Comm., 3815 W. Roosevelt Rd., Little Rock, AR 72204
6. N.T.I.S., 5285 Port Royal Rd., Springfield, VA 22161

ARKANSAS

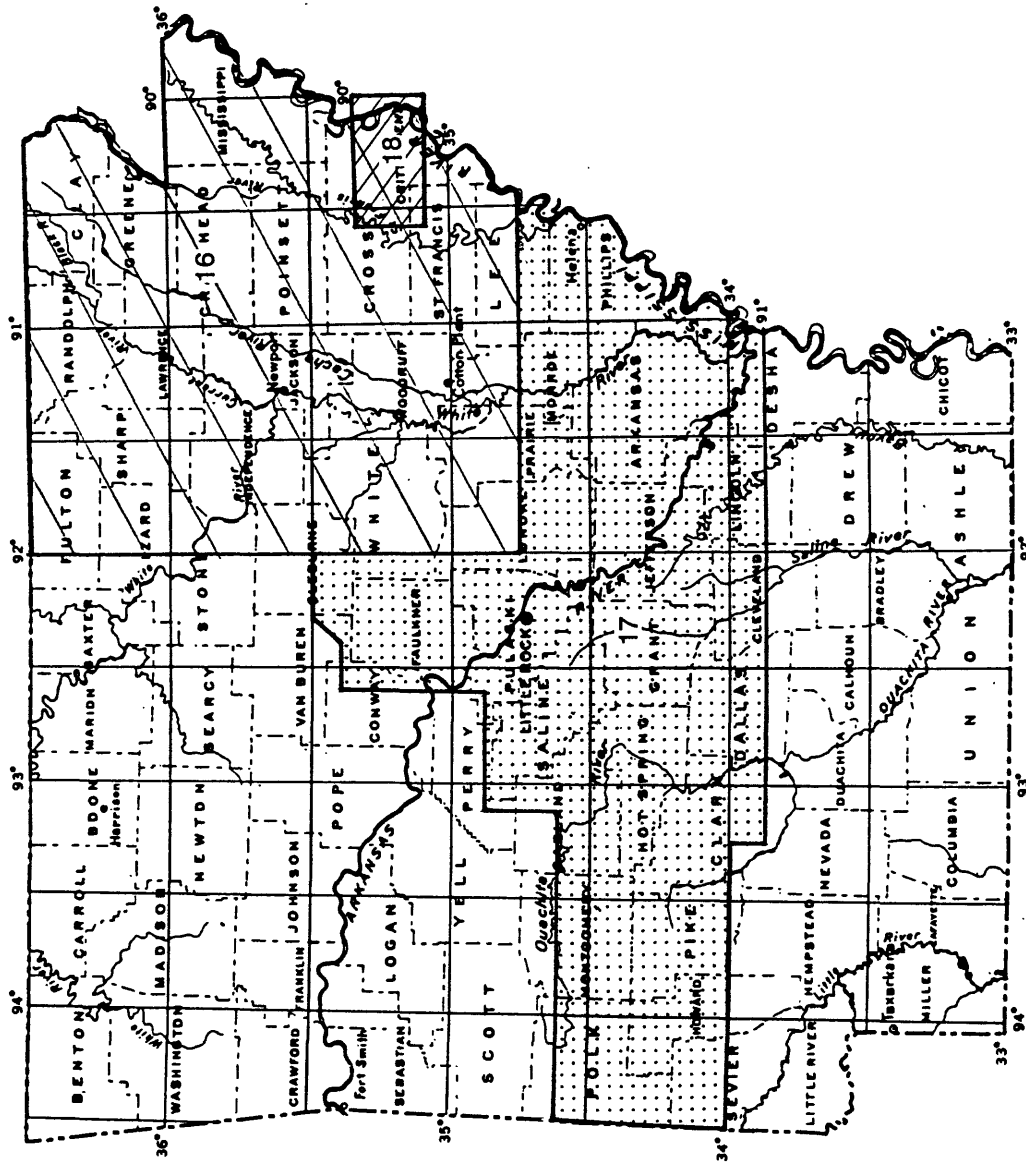
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



MAP 1



ARKANSAS



MAP 2

IOWA AIRBORNE INDEX

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

(Repository and some source locations are listed on page 9 except where noted.)

Map ref.

Aeromagnetic map of central Iowa, by J. R. Henderson and J. L. Vargo,
scale 1:316,800, GP-476, 1965..... 10

The following are interpretation reports of the aeromagnetic surveys used
to compile GP-910 and GP-911; copies are available from 4:

North central Iowa, by J. R. Henderson and others, 27 p., Iowa Geol. Survey Rept. AS-1, 1963.....	N. part of 10
Central and southwestern Iowa, by J. R. Henderson and others, 29 p., Iowa Geol. Survey Rept. AS-2, 1963.....	S. part of 10
Northwestern Iowa, by Aero Service Corp., 20 p., Iowa Geol. Survey Rept. AS-3, 1965.....	11
East central Iowa, by Aero Service Corp., 18 p., Iowa Geol. Survey Rept. AS-4, 1969.....	12
Northeastern Iowa, by Aero Service Corp., 26 p., Iowa Geol. Survey Rept. AS-5, 1968.....	13
Southeastern Iowa, by Aero Service Corp., 19 p., Iowa Geol. Survey Rept. AS-6, 1970.....	14
Southern Iowa, by LKB, Inc., 17 p., Iowa Geol. Survey, Rept. AS-7, 1973...	15

Aeromagnetic map of southeastern Nebraska and parts of adjacent states,
scale 1:250,000, OF Rept. 73-297, 1973..... 16

Aeromagnetic map of Iowa, by U.S. Geol. Survey and Iowa Geol. Survey,
scale 1:500,000, GP-910, 1976..... whole
state

Aeromagnetic map of Iowa: Color coded intensities, by I. Zietz,
F. P. Gilbert, and J. R. Kirby, scale 1:1,000,000, GP-911, 1976..... whole
state

Gravity survey of the Randalia magnetic anomaly, Fayette County, Iowa, by
J. L. Gilmore, 29 p., 5 sheets, Iowa Geol. Survey Rept. Invest. 11, 1976.. 17

Regional tectonics and seismicity of southwestern Iowa, by O. J. Van Eck
and others, 24 p., U.S. Nuclear Reg. Comm. Rept. NUREG/CR-0955, 1979..... 18
(Copies available from 5)

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..... 19

IOWA AIRBORNE (cont'd)

Map ref.

Interpretation of geophysical data over the Midcontinent Rift System
in the areas of the M.G. Eischeid #1 petroleum test, Carroll County,
Iowa, by R. R. Anderson, in Iowa Geological Survey Special Rept. 2, whole
p. 27-38, 1990..... state

Other publications of interest; not shown on index maps:

Structural significance and analysis of Mid-Continent gravity high, by
R. L. Coons, G. P. Woollard, and Garland Hershey, Am. Assoc. Pet. Geol.
Bull., v. 51, no. 12, p. 2381-2399, 1967.
(Shows aeromagnetic contours in three areas taken from ref. 10)

New model of the Midcontinent Rift in eastern Minnesota and western Wisconsin,
by P. L. McSwiggen, G. B. Morey, and V. W. Chandler, Tectonics, v. 6,
p. 677-685, 1987.

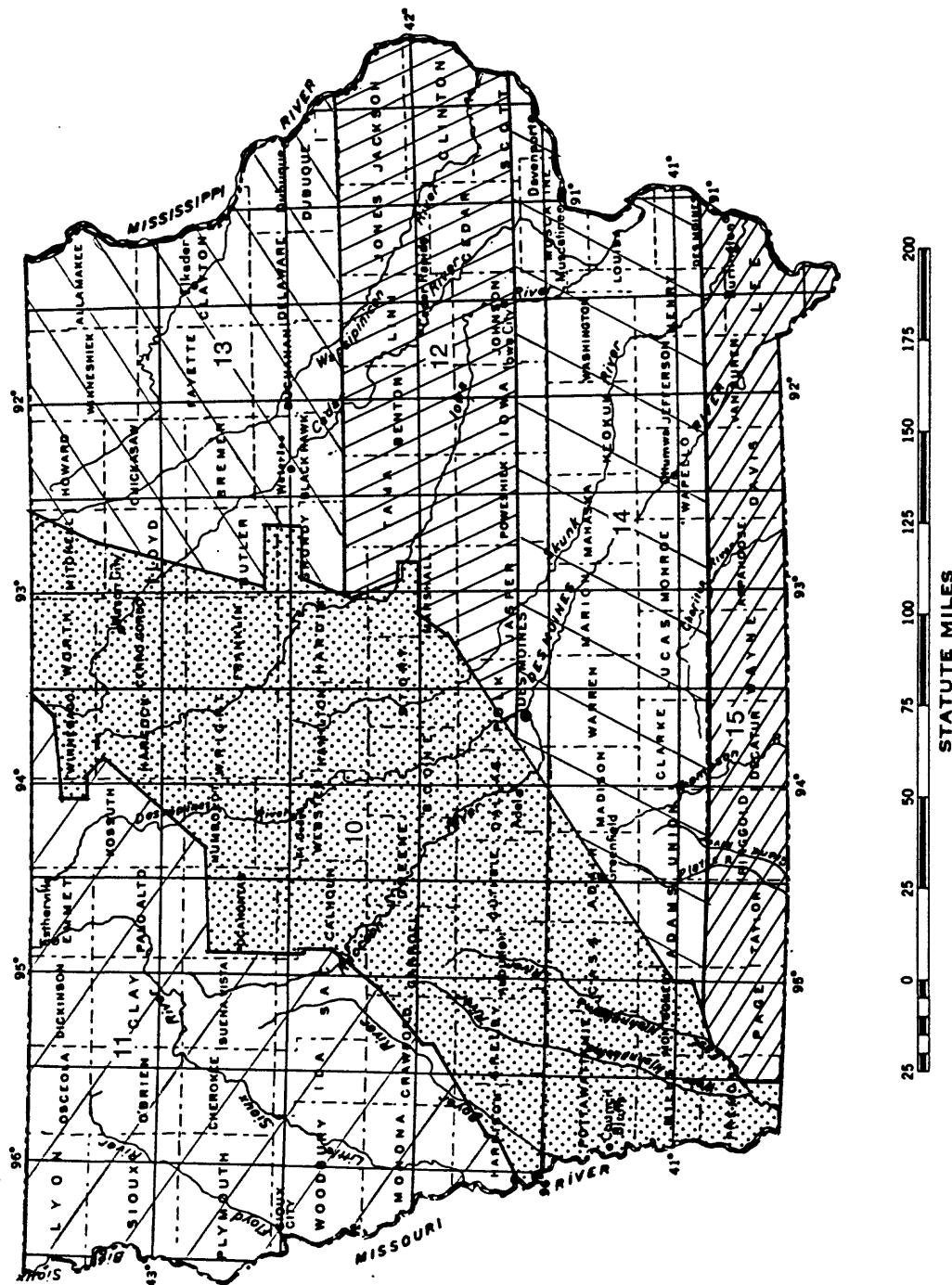
Gravity and magnetics; tools for exploring Earth's interior, by J. D.
Giglielano, Iowa Geology, v. 13, p. 8-10, 1988.
(contains a small aeromagnetic map of the whole state)

U.S.G.S. open-file reports for Iowa are available for viewing at 1, 2, and 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. Iowa Geol. Survey, 123 N, Capital St., Iowa City, IA 52242
5. N.T.I.S., 5285 Port Royal Rd., Springfield, VA 22161

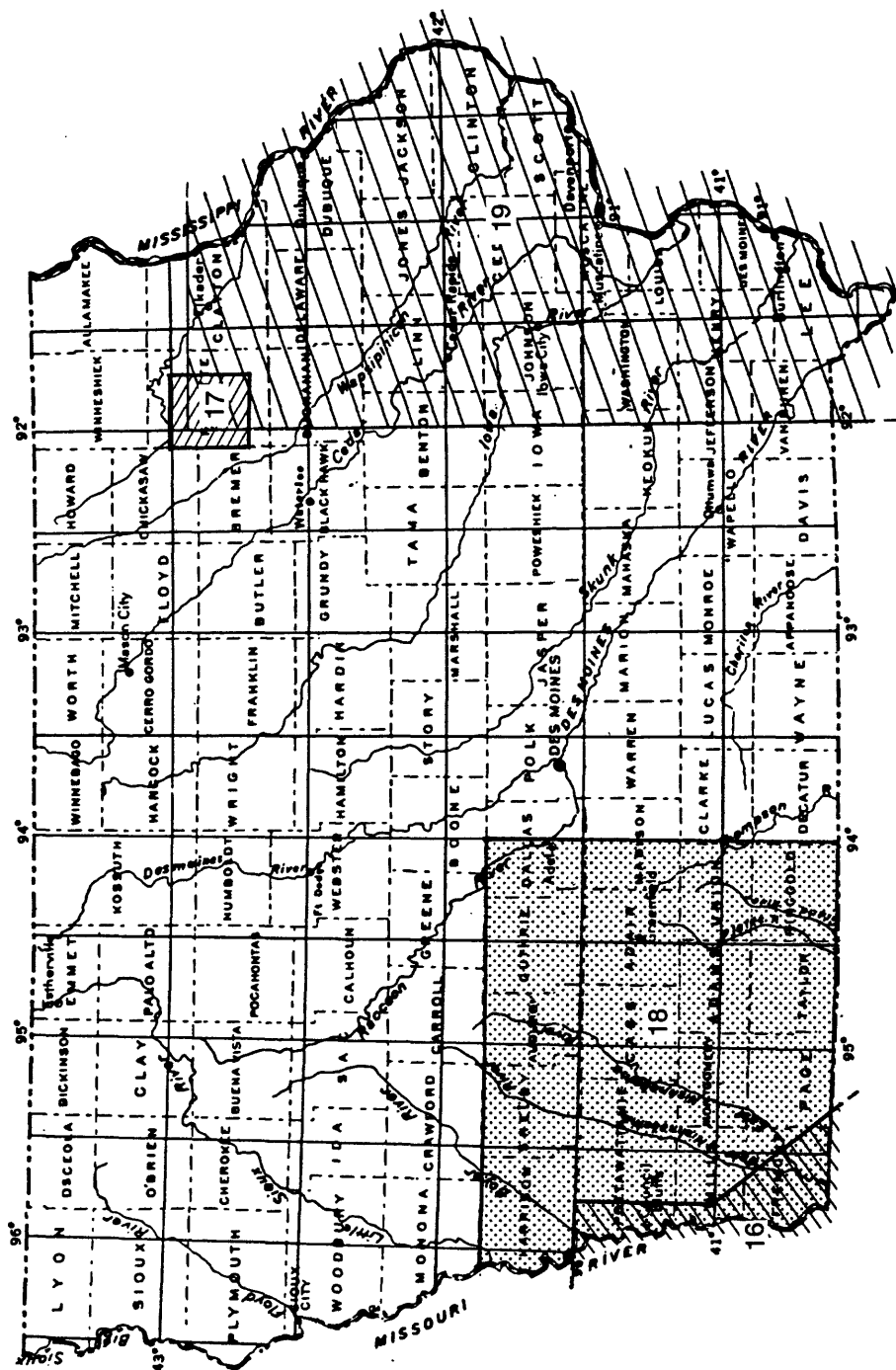
IOWA

MAP 1



IOWA

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



MAP 2

KANSAS AIRBORNE INDEX

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

(Repository and some source locations are listed on page 14 except where noted.)

Map ref.

Aeromagnetic map of the Tri-State Mining District, Kansas, Missouri, and Oklahoma, by Fred Keller, Jr., and John R. Henderson, scale 1:125,000, GP-427, 1963.....	10
Aeromagnetic map of southeastern Nebraska and parts of adjacent states, scale 1:250,000, OF Rept. 73-297, 1973.....	11
Aeromagnetic map of Kansas, by H. Yarger and others, Kansas Geol. Survey Map M-16, scale 1:500,000, 1980..... (Copies available from 4)	whole state
Geothermal evaluation of Kansas; preliminary results, by D. W. Steeples, <u>in</u> Geothermal Direct Heat Program; Glenwood Springs Tech. Conf. Proc., v. 1; C. A. Ruscetta, ed., U.S. Dept. Energy Rept. DOE/ID/12079-39, ESL-59, p. 148-164, 1981..... (Copies available from 5)	whole state
Structure of the Salina-Forest City interbasin boundary from seismic studies, by D. W. Steeples, Univ. Missouri-Rolla Journal No. 3, p. 55-81, 1982.....	whole state
Regional interpretation of Kansas aeromagnetic data, by H. L. Yarger, 104 p., Dept. Energy Rept. DOE/ET/27204-T1-V.1-sec. 3, 1982..... (Copies available from 6)	whole state
same title and author as above, 120 p., Kansas Geol. Survey, Geophysical Series no. 1, 1983..... (Copies available from 4)	whole state
Kansas basement study using spectrally filtered aeromagnetic data, by H. L. Yarger, in The utility of regional gravity and magnetic anomaly maps, W. J. Hinze, ed.; Soc. Explor. Geophys., p. 213-232, 1985.....	whole state
Relative timing of tectonic events in newly recognized Precambrian terranes in south-central Kansas, U.S.A., as determined by residual aeromagnetic data, by S. P. Gay, Jr., Internat. Conf. Base. Tectonics, no. 6, p. 153-167, 1986.....	12
Residual total intensity aeromagnetic map of the Joplin 1° x 2° Quadrangle, Kansas and Missouri, scale 1:250,000, OF Rept. 89-147, 1989.....	13
A terracing operator for physical property mapping with potential field data, by Lindrieth Cordell and A. E. McCafferty, Geophysics, v. 54, no. 5, p. 621-634, 1989.....	13
Structure of the Salina--Forest City interbasin boundary from seismic studies, by D. W. Steeples, <u>in</u> Geophysics in Kansas, Kansas Geol. Survey Bull. 226, p. 31-52, 1989.....	whole state

KANSAS AIRBORNE (cont'd)

Map ref.

- Major magnetic features in Kansas and their possible geologic significance, by H. L. Yarger, in Geophysics in Kansas, Kansas Geol. Survey Bull. 226, p. 197-213, 1989..... whole state
- Geophysical model of the Midcontinent Geophysical Anomaly in northeastern Kansas, by Chaturong Somanas and others, in Geophysics in Kansas, Kansas Geol. Survey Bull. 226, p. 215-228, 1989..... 14
- "Graniteville-type" Proterozoic igneous intrusions mapped in southeast Kansas, by S. Parker Gay, Jr., in Geophysics in Kansas, Kansas Geol. Survey Bull. 226, p. 229-243, 1989..... 15 & 16
- Geology and exploration of the Rose lamproite, southeast Kansas, U.S.A., by H. G. Coppersmith and R. H. Mitchell, Geological Society of Australia, Special Publication 14, p. 1179-1191, 1989..... 17
- Other publications of interest; not shown on index map:
- Relation of an airborne magnetic profile to the geology along the Kansas-Nebraska border, by D. F. Merriam and W. W. Hambleton, Kansas Geol. Survey Bull. 119, pt. 7, p. 251-266, 1956.
- Aeromagnetic profiles in NE Kansas (Nemaha Ridge), by Jack Meuschke and others, scale 1:125,000, OF Rept. 57-070, 1957.
- Relation of magnetic and aeromagnetic profiles to geology in Kansas, by D. F. Merriam and W. W. Hambleton, Kansas Geol. Survey Bull. 137, p. 153-173, 1959. (Figs. 4, 5, and 6 are geological interpretations of OF Rept. 57-070)
- Comparison of basement depth from aeromagnetics and wells along the northern border of Kansas by W. B. Agocs, Kansas Geol. Survey Bull. 137, p. 143-152, 1959.
- Two aeromagnetic profiles across western Kansas, by E. R. King, Kansas Geol. Survey Bull. 137, p. 135-141, 1959.
- Airborne magnetometer profiles, Morris and Wabaunsee Counties, Kansas, by W. B. Agocs, Kansas Geol. Survey Bull. 137, p. 175-180, 1959.
- Basement depths from widely spaced aeromagnetic profiles in Kansas and Nebraska, by J. S. Watkins, Geophysics, v. 29, no. 1, p. 80-86, 1964. (Fig. 1 shows 6 aeromagnetic profiles in northwestern Kansas)
- Seismicity, faulting, and geophysical anomalies in Nemaha County, Kansas; relationship to regional structures, by D. W. Steeples, S. M. DuBois, and F. W. Wilson, Geology, v. 7, no. 3, p. 134-138, 1979.
- New data on major basement fractures in the tectonic development of eastern Kansas, by P. Berendson and others, Internat. Conf. Base. Tectonics no. 3, p. 227-240, 1981. (Contains an aeromagnetic map of eastern Kansas)

KANSAS AIRBORNE (cont'd)

Other publications--cont'd:

A note on newly discovered kimberlites in Riley County, Kansas, by W. L. Mansker, B. D. Richards, and G. P. Cole, in Mantle Metasomatism and alkaline magmatism, E. M. Morris, ed., Geol. Soc. Am. Spec. Paper 215, p. 197-204, 1987.

Integrating airborne and subsurface magnetic data, by R. S. Foote, Proc., Fifth Thematic conf., remote sensing for exploration geology, J. J. Cook, chair., v. 1, p. 233-247, 1987.

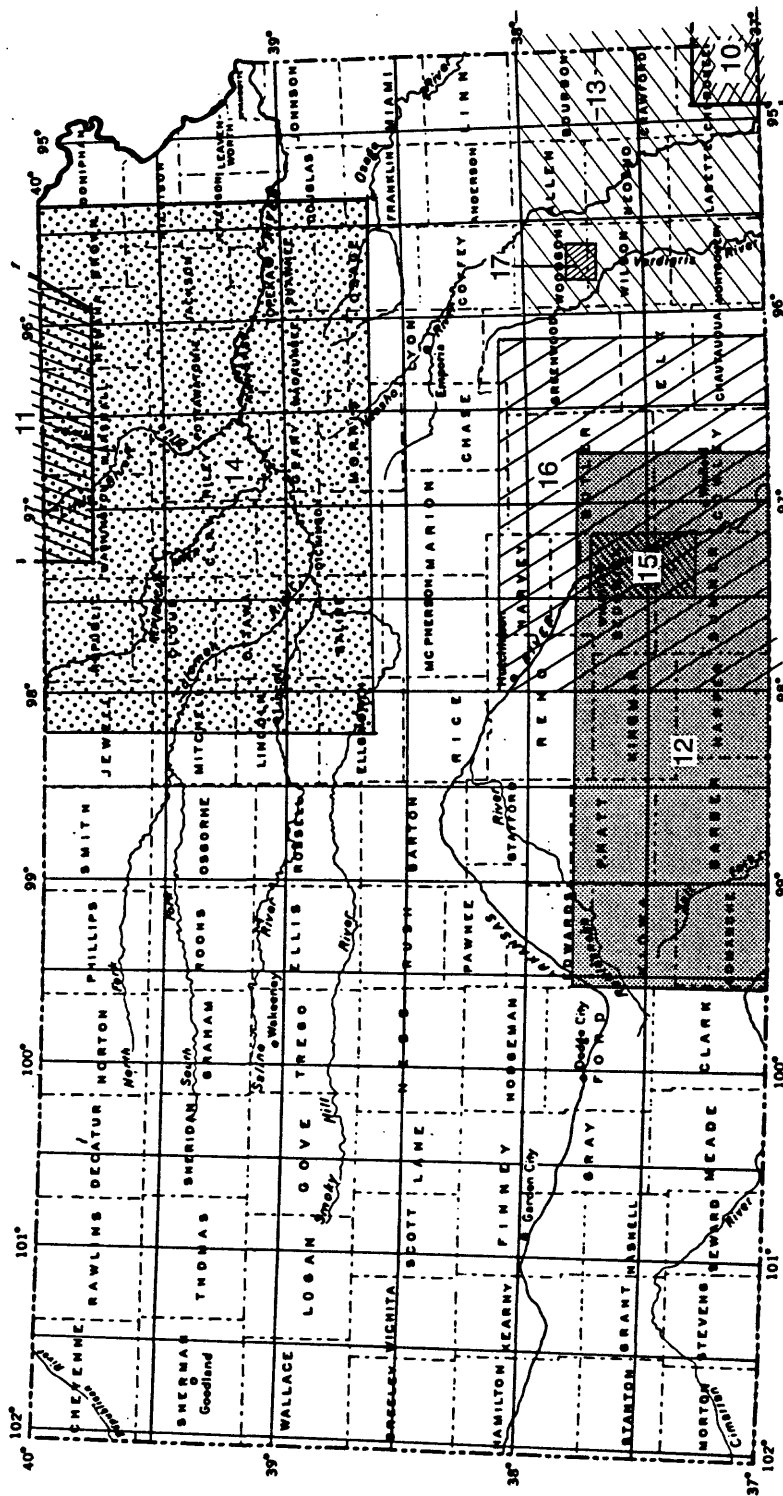
Structural nature of the Humboldt fault zone, northeastern Nemah County, Kansas, by T. W. Stander, in Geophysics in Kansas, Kansas Geol. Survey Bull. 226, p. 117-128, 1989.

The North American transcontinental transform fault--a case where mega-regional geophysical investigations influence Kansas exploration strategies, by G. L. Kinsland, in Geophysics in Kansas, Kansas Geol. Survey Bull. 226, p. 297-301, 1989.

U.S.G.S. open-file reports for Kansas are available for viewing at 1, 2, 3, and 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. Publication and Sales, Kansas Geol. Survey, 1930 Avenue "A", Campus west, Lawrence, KS 66044
5. Earth Science Lab., Univ. Utah, Salt Lake City, UT 84112
6. N.T.I.S., 5285 Port Royal Rd., Springfield, VA 22161

KANSAS



LOUISIANA AIRBORNE INDEX

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

(Repository and some source locations are listed below except where noted.)

Map ref.

Aeromagnetic maps of part of the Gulf of Mexico, by R. R. Balsley, scale 1:500,000, OF Rept. 49-012, 1949..... (Copies on file at 1, 5)	10
Geophysical prospecting over continental shelves, by H. C. Cortes and R. N. Gsell, World Petroleum Congress, 4th, Rome, Proc., sec. 1, p. 575-603, 1955.....	10
Aeromagnetic map of part of the Gulf of Mexico across the Continental Shelf, by J. R. Balsley and H. R. Joesting, scale 1:500,000, OF Rept. 63-005, 1963.....	11

Other publication; not shown on index map:

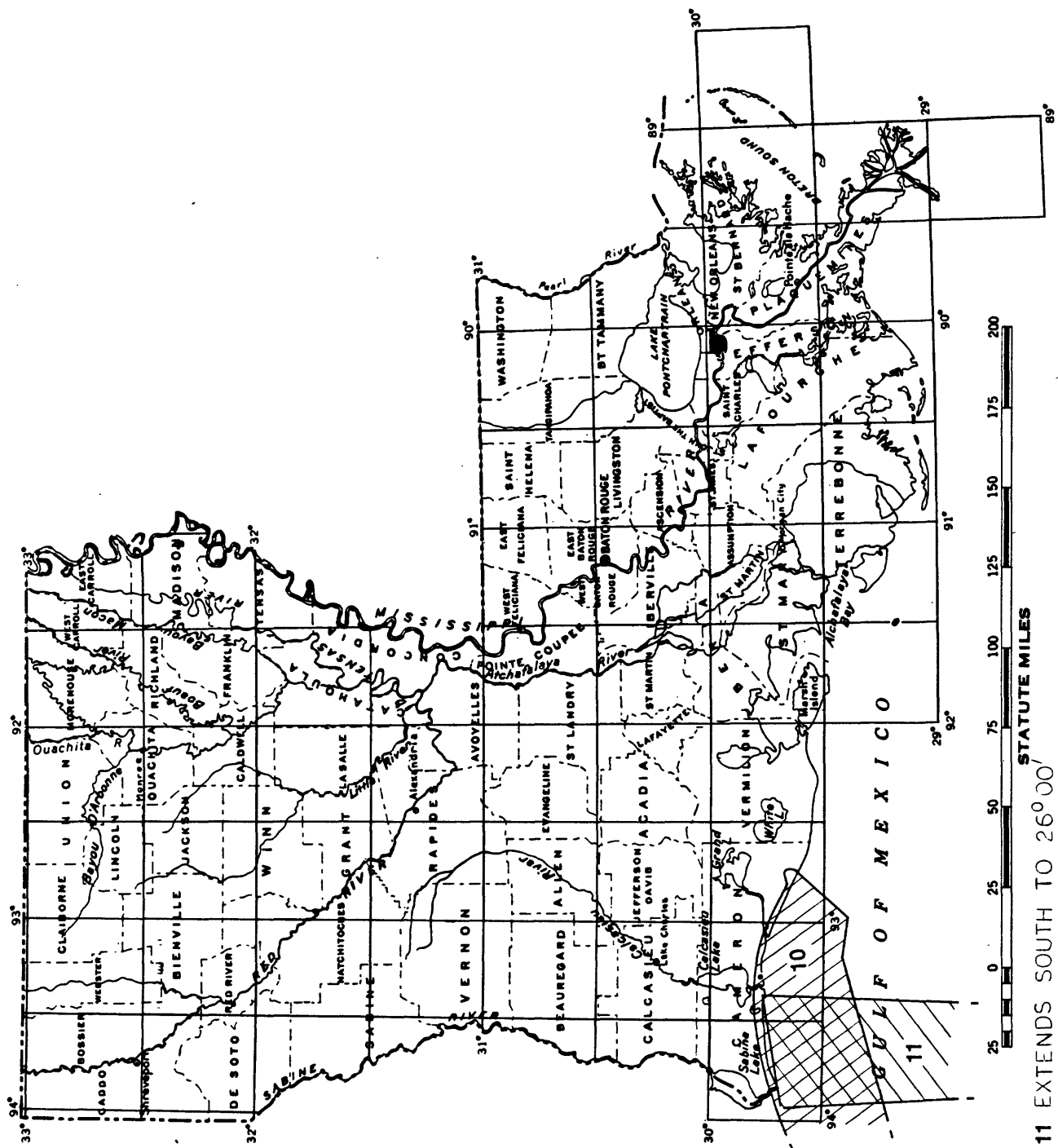
Direct indication of hydrocarbons from airborne magnetics, by R. Henderson,
Y. Miyazaki, and R. Wold, in Oil and gas; the exploration story, Ian
Browne, ed., Australian Soc. Explor. Geophys., p. 391-412, 1984.

U.S.G.S. open-file reports for Louisiana are available for viewing at 1, 2, 3,
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. 1C45, Federal Bldg., 1100 Commerce St., Dallas, TX 75242
5. Louisiana Geol. Survey, Box G, University Station, Baton Rouge, LA 70893

LOUISIANA

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



11 EXTENDS SOUTH TO 26°00'

MINNESOTA AIRBORNE INDEX

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

(Repository and some source locations are listed on page 24 except where noted.)

Map ref.

Aeromagnetic maps and accompanying profiles of the following counties are early unnumbered Geophysical Investigations Maps (GP) and are by J. R. Henderson, M. E. Hill, and J. L. Meuschke unless otherwise noted; scales approx. 1:62,500 for the maps and 1:125,000 for the profiles:

Southern part of Beltrami, 1949.....	10
Northern part of Cass, 1949.....	11
Central part of Cass, 1949.....	12
Southern part of Cass, 1949.....	13
Northern part of Crow Wing and part of Cass, 1949.....	14
Southern part of Crow Wing, 1949.....	15
Part of Hubbard, 1949.....	16
Western part of Itasca, 1949.....	17
Eastern part of Morrison, 1949.....	18
Western part of Morrison, 1949.....	19
Todd, by J. R. Balsley and others, 1949.....	20
Wadena and part of Hubbard, by J. R. Balsley and others, 1949.....	21

Aeromagnetic maps and accompanying profiles of the following counties are by J. R. Balsley, M. E. Hill, and J. L. Meuschke, scales approx. 1:62,500 for the maps and 1:125,000 for the profiles:

Parts of Clearwater, Polk, and Red Lake, GP-46, 1951.....	22
Parts of Clearwater and Mahnommen, GP-47, 1951.....	23
Part of Becker, GP-48, 1951.....	24
Northern part of Otter Tail, GP-49, 1951.....	25
Southern part of Otter Tail, GP-50, 1951.....	26
Douglas and part of Grant, GP-51, 1951.....	27

Geologic-aeromagnetic maps and accompanying profiles of the following counties are by J. R. Henderson and J. L. Meuschke, scales 1:62,500 for the maps and 1:125,000 for the profiles:

Part of southeastern St. Louis, GP-91, 1952.....	28
Part of east-central St. Louis, GP-92, 1952.....	29
Part of northeastern St. Louis, GP-93, 1952.....	30
Part of southwestern St. Louis, GP-94, 1952.....	31
Part of west-central St. Louis, GP-95, 1952.....	32

MINNESOTA AIRBORNE (cont'd)

Map ref.

Aeromagnetic maps--(cont'd):

Part of northwestern St. Louis, GP-96, 1952.....	33
Northeastern Itasca and southeastern Koochiching, GP-97, 1953.....	34
East-central Itasca, GP-98, 1953.....	35
Southeastern Itasca, GP-99, 1953.....	36
Northern Aitkin, GP-100, 1953.....	37
Southern Aitkin and northern Mille Lacs, GP-101, 1953.....	38
Parts of Kanabec, Mille Lacs, and Pine, GP-102, 1953.....	39

Geologic-aeromagnetic maps and accompanying profiles of the following counties are by J. L. Meuschke and others, scales 1:62,500 for the maps and 1:125,000 for the profiles:

Northern Lake of the Woods and northeastern Roseau, GP-128, 1957.....	40
Northern Beltrami and southern Lake of the Woods, GP-129, 1957.....	41
North-central Beltrami and northeastern Clearwater, GP-130, 1957.....	42
Northwestern Koochiching, GP-131, 1957.....	43
Southwestern Koochiching, GP-132, 1957.....	44
Northeastern Koochiching, GP-133, 1957.....	45
Southeastern Koochiching, GP-134, 1957.....	46

Geologic-aeromagnetic maps and accompanying profiles of the following counties are by K. G. Books and others, scales 1:62,500 for the maps and 1:125,000 for the profiles:

Eastern Roseau, GP-140, 1958.....	47
Western Roseau, GP-141, 1958.....	48
Kittson, GP-142, 1958.....	49
Eastern Marshall and northwestern Beltrami, GP-143, 1958.....	50
Central Marshall and western Pennington, GP-144, 1958.....	51
Western Marshall and northwestern Polk, GP-145, 1958.....	52
Parts of Pennington, Red Lake, Beltrami, Clearwater, and Polk, GP-146, 1958.....	53
Western Red Lake and central Polk, GP-147, 1958.....	54
Western Polk, GP-148, 1958.....	55

Magnetic anomalies and magnetizations of the Biwabik iron-formation, Mesabi area, Minnesota, by G. D. Bath, Geophysics, v. 27, no. 5, p. 627-650, 1962. (Figs. 6 and 11 are geologic-aeromagnetic maps) 56

MINNESOTA AIRBORNE (cont'd)

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Aeromagnetic maps of the following counties are by L. A. Anderson and others unless otherwise noted, scale 1:63,360:

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Parts of Clay, Wilkin, and Otter Tail, GP-327, 1962.....	59
Parts of Wilkin, Otter Tail, Grant, and Traverse, GP-328, 1963.....	60
Northern part of Lake, by J. L. Meuschke and others, GP-360, 1963.....	61
The northwestern part of Cook, GP-361, 1963.....	62

Circular 489 A magnetic anomaly of possible economic significance in southeastern Minnesota, by Isidore Zietz, 5 p., 1964..... (Fig. 2 is an aeromagnetic map)	63
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Aeromagnetic and geologic maps of the following areas are by G. D. Bath, G.M. Schwartz, and F. P. Gilbert, scale 1:250,000:

Northwestern Minnesota, GP-471, 1964.....	64
Northeastern Minnesota, GP-472, 1965.....	65
West-central Minnesota, GP-473, 1965.....	66
East-central Minnesota, GP-474, 1964.....	67

Aeromagnetic map of southeastern Minnesota, by P. W. Philbin and F. P. Gilbert, scale 1:250,000, GP-559, 1966.....	68
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Aeromagnetic map of southwestern Minnesota, by P. W. Philbin and F. P. Gilbert, scale 1:250,000, GP-560, 1966.....	69
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Aeromagnetic and inferred Precambrian paleogeologic map of east-central Minnesota and part of Wisconsin, by P. K. Sims and Isidore Zietz, scale 1:250,000, GP-563, 1967.....	70
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Natural gamma aeroradioactivity map of the Minneapolis-St. Paul area, Minnesota-Wisconsin, by S. L. Neuschel, scale 1:250,000, GP-658, 1969.....	70
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Aeroradioactivity survey and areal geology of the Minneapolis-Saint Paul area, Minnesota-Wisconsin (ARMS-I), by S. K. Neuschel, 24 p., scale 1:250,000, U.S. Atomic Energy Comm. Rept. CEX-61.7.1, 1970..... (Copies available from 5)	70
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Aeromagnetic map of the Kabetogama Lake-Grassy Lake area, St. Louis County, Minnesota, scale 1:250,000, GP-616, 1968.....	71
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Aeromagnetic map of central Pine County, Minnesota, and adjacent parts of Wisconsin, scale 1:62,500, GP-636, 1968.....	72
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Aeromagnetic map of the McNair-Grand Portage area, northeastern Minnesota, scale 1:125,000, GP-639, 1969.....	73
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MINNESOTA AIRBORNE (cont'd)

Map ref.

Aeromagnetic map of a part of western Minnesota, scale 1:250,000, GP-692, 1970.....	74
Aeromagnetic map of Minnesota, by Isidore Zietz and J. R. Kirby, scale 1:1,000,000, GP-725, 1970.....	whole state
Correlation of magnetic anomalies in east-central Minnesota and northern Wisconsin; constraints on magnitude and direction of Keweenawan rifting, by V. W. Chandler, Geology, v. 11, no. 3, p. 174-176, 1983.....	75
Aeromagnetic map of Minnesota: Total magnetic intensity anomaly, Cook and Lake Counties, by V. W. Chandler, 2 sheets, scale 1:250,000, Minnesota Geol. Survey Map A-1, 1983.....	76
Aeromagnetic map of Minnesota: Total magnetic intensity anomaly, St. Louis County, by V. W. Chandler, 2 sheets, scale 1:250,000, Minnesota Geol. Survey Map A-2, 1983.....	77
Aeromagnetic map of Minnesota: Total magnetic intensity anomaly, Carlton and Pine Counties, by V. W. Chandler, 2 sheets, scale 1:250,000, Minnesota Geol. Survey Map A-3, 1983.....	78
Aeromagnetic map of Minnesota: Total magnetic intensity anomaly, east- central region, by V. W. Chandler, 2 sheets, scale 1:250,000, Minnesota Geol. Survey Map A-4, 1983.....	79
Shaded relief aeromagnetic anomaly map of northeastern and east-central Minnesota, scale 1:1,000,000, Minnesota Geol. Survey Map M-53, 1984.....	76, 77, 78 & 79
Interpretation of Precambrian geology in Minnesota using low-altitude, high-resolution aeromagnetic data, by V. W. Chandler, <u>in</u> The utility of regional gravity and magnetic anomaly maps, W. J. Hinze, ed., Soc. Explor. Geophys., p. 375-391, 1985.....	76, 77, 78 & 79
Aeromagnetic map of Minnesota: Total magnetic intensity anomaly, central region, by V. W. Chandler, 2 sheets, scale 1:250,000, Minnesota Geol. Survey Map A-5, 1985.....	80
Aeromagnetic map of the International Falls 1° by 2° Quadrangle, Minnesota and Ontario, by R. E. Bracken and R. H. Godson, scale 1:250,000, OF Rept. 87-620, 1987.....	81
Aeromagnetic map of Minnesota: Total magnetic intensity anomaly, west- central region, by V. W. Chandler, 2 sheets, scale 1:250,000, Minnesota Geol. Survey Map A-6, 1987.....	82
Aeromagnetic map of the northwestern part of the Hibbing 1° by 2° Quadrangle, Minnesota, by R. E. Bracken and R. H. Godson, scale 1:62,500, OF Rept. 88-008, 1988.....	83

MINNESOTA AIRBORNE (cont'd)

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- Aeromagnetic map of the Roseau 1° x 2° Quadrangle, Minnesota and Ontario, by R. E. Bracken and others, scale 1:250,000, OF Rept. 89-452, 1989..... 84
- Aeromagnetic map of the northeast portion of the Bemidji 1° x 2° Quadrangle, Minnesota, by R. E. Bracken and others, scale 1:250,000, OF Rept. 89-492, 1989..... 85
- Aeromagnetic map of Minnesota: Total magnetic intensity anomaly, northwestern region, by V. W. Chandler, 2 sheets, scale 1:250,000, Minnesota Geol. Survey Map A-7, 1989..... 86
- Aeromagnetic map of Minnesota: Total magnetic intensity anomaly, southwestern region, by V. W. Chandler, 2 sheets, scale 1:250,000, Minnesota Geol. Survey Map A-8, 1989..... 87
- Geologic interpretation of gravity and magnetic data over the central part of the Duluth Complex, northeastern Minnesota, by V. W. Chandler, Econ. Geol., V. 85, no. 4, p. 816-829, 1990..... 88
- Lake Superior publications; not shown on index maps (most include contours over land portions of the adjacent states):
- Regional aeromagnetic map of Western Lake Superior and adjacent parts of Minnesota, Michigan, and Wisconsin, by J. R. Kirby and A. J. Petty, scale 1:250,000, GP-556, 1966.
- Tectonics of the Keweenaw Basin, western Lake Superior Region, by W. S. White, 23 p., Prof. Paper 524-E, 1966. (Fig. 4 is an aeromagnetic map)
- Aeromagnetic, gravity, and sub-bottom profiling studies in western Lake Superior, by R. J. Wold and N. A. Ostenso, Am. Geophys. Union Mon. 10, p. 66-93, 1966.
- Total magnetic intensity map of Lake Superior, by W. J. Hinze and others, Am. Geophys. Union Mon. 10, Plate 1, p. 94, 1966.
- Great Lakes region gravity and magnetic map sequence: Lake Superior area, by N. W. O'Hara, 12 p., 2 sheets, scale 1:750,000, Geol. Soc. Am. Map and Chart Series MC-37, 1981. (See U.S. Regional Index for location.)
- Other publications of interest; not shown on index maps:
- Geological interpretation of aeromagnetic profiles, by N. A. Ostenso, Science, v. 147, no. 3661, p. 1052-1055, 1965.
- Refraction seismic investigations of the northern midcontinent gravity high, by H. M. Mooney, C. Craddock, and P. R. Farnham, Jour. Geophys. Res., v 75, no. 26, p. 5056-5086, 1970.
(Contains an aeromagnetic map of part of northeastern Minnesota)

MINNESOTA AIRBORNE (cont'd)

Other publications--cont'd:

- Crater or Kettle? A geophysical study, by S. Hammer and C. P. Ervin, *Geology*, v. 3, no. 3, p. 145-146, 1975.
(Fig. 4 shows aeromagnetic profiles over the Roseau Lake area, northern Minn.)
- Extension of a northern Minnesota lamprophyre province by geophysical studies, by C. P. Ervin and M. G. Mudrey, Jr., *Jour. Geophys. Res.*, v. 81, no. 26, p. 4917-4922, 1976.
- Aeromagnetic anomaly map of Minnesota, by V. W. Chandler, scale 1:3,168,000, (page size), Univ. Minnesota State Map Series S-11, 1981.
- Applications of gravity and magnetic surveys; the state-of-the-art in 1985, by N. R. Paterson, *Geophysics*, v. 50, no. 12, p. 2558-2594, 1985.
- Geology and geophysics of the Denham-Mahtowa area, east-central Minnesota, by P. L. McSwiggen, scale 1:48,000, Minnesota Geol. Survey Misc. Map Series M-63, 1987. (Shows only aeromagnetic lineaments)
- New model of the Midcontinent rift in eastern Minnesota and western Wisconsin, by P. L. McSwiggen, G. B. Morey, and V. W. Chandler, *Tectonics*, v. 6, no. 6, p. 677-685, 1987.
- Tourmaline in early Proterozoic metasedimentary rocks near Philbrook, north-eastern Todd County, central Minnesota, by T. J. Boerboom, 25 p., Minnesota Geol. Survey Rept. Invest. 38, 1989.
- Geophysical lineaments in Minnesota from high-resolution aeromagnetic data, by V. W. Chandler, in Regional geophysical lineaments: Their tectonic and economic significance, *Geol. Society of India Mem.* 12, p. 145-154, 1989.
- Copper-nickel mineralization of the Duluth Complex, Minnesota; a gravity and magnetic perspective, by V. W. Chandler and R. J. Ferderer, *Bull., Soc. Econ. Geol.*, v. 84, no. 6, p. 1690-1696, 1989.
- Moving-window Poisson analysis of gravity and magnetic data from the Penokean orogen, east-central Minnesota, by V. W. Chandler and K. C. Malek, *Geophysics*, v. 56, no. 1, p. 123-132, 1991.

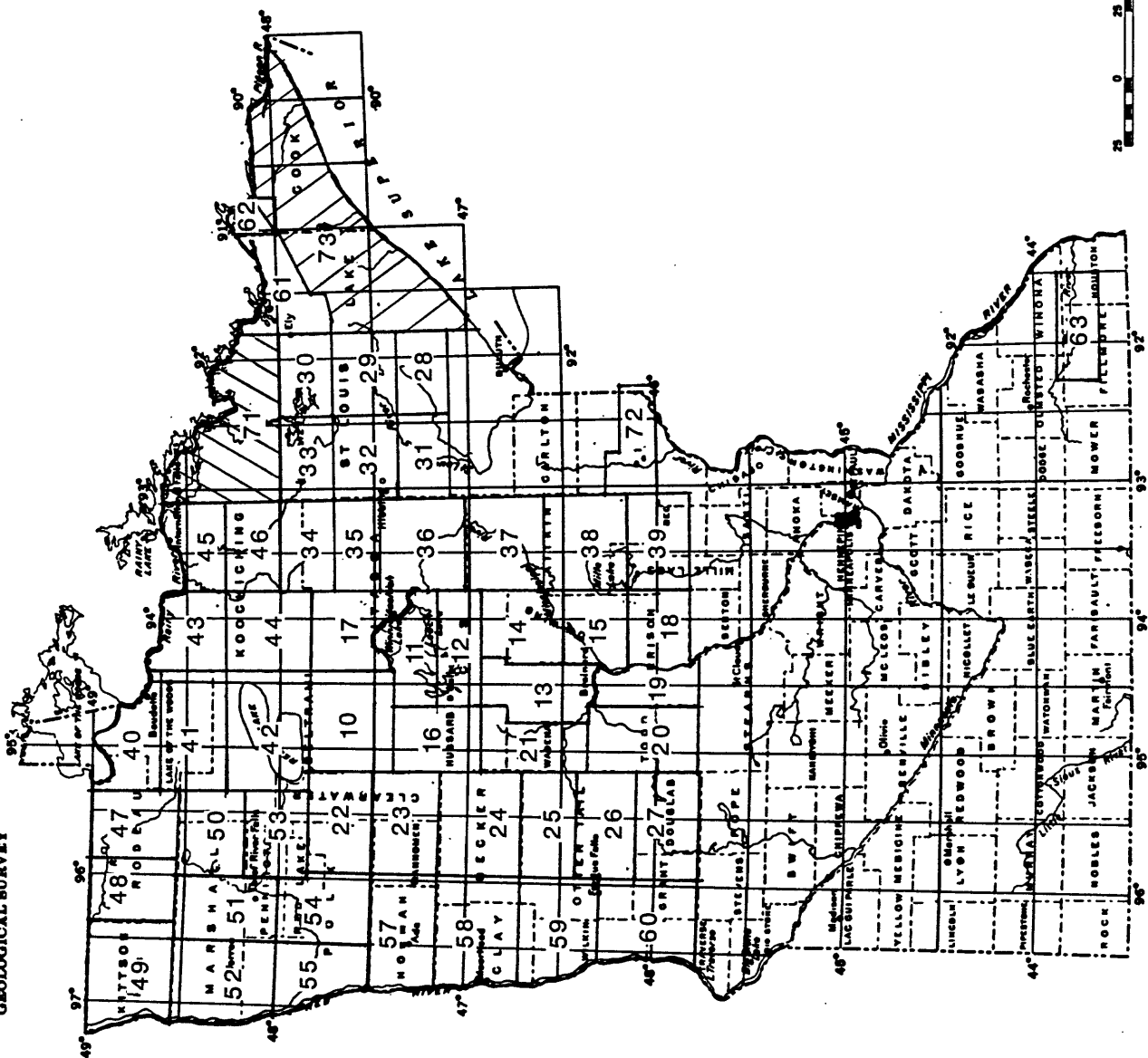
MINNESOTA AIRBORNE (cont'd)

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

Minnesota Geol. Survey Maps A-1 through A-8 are available from 4. 1:24,000-scale maps of Maps A-1 through A-8 are also available from 4. 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. Minnesota Geol. Survey, 2642 University Ave., St. Paul, MN 55114-1057
5. N.T.I.S., 5285 Port Royal Rd., Springfield, VA 22161

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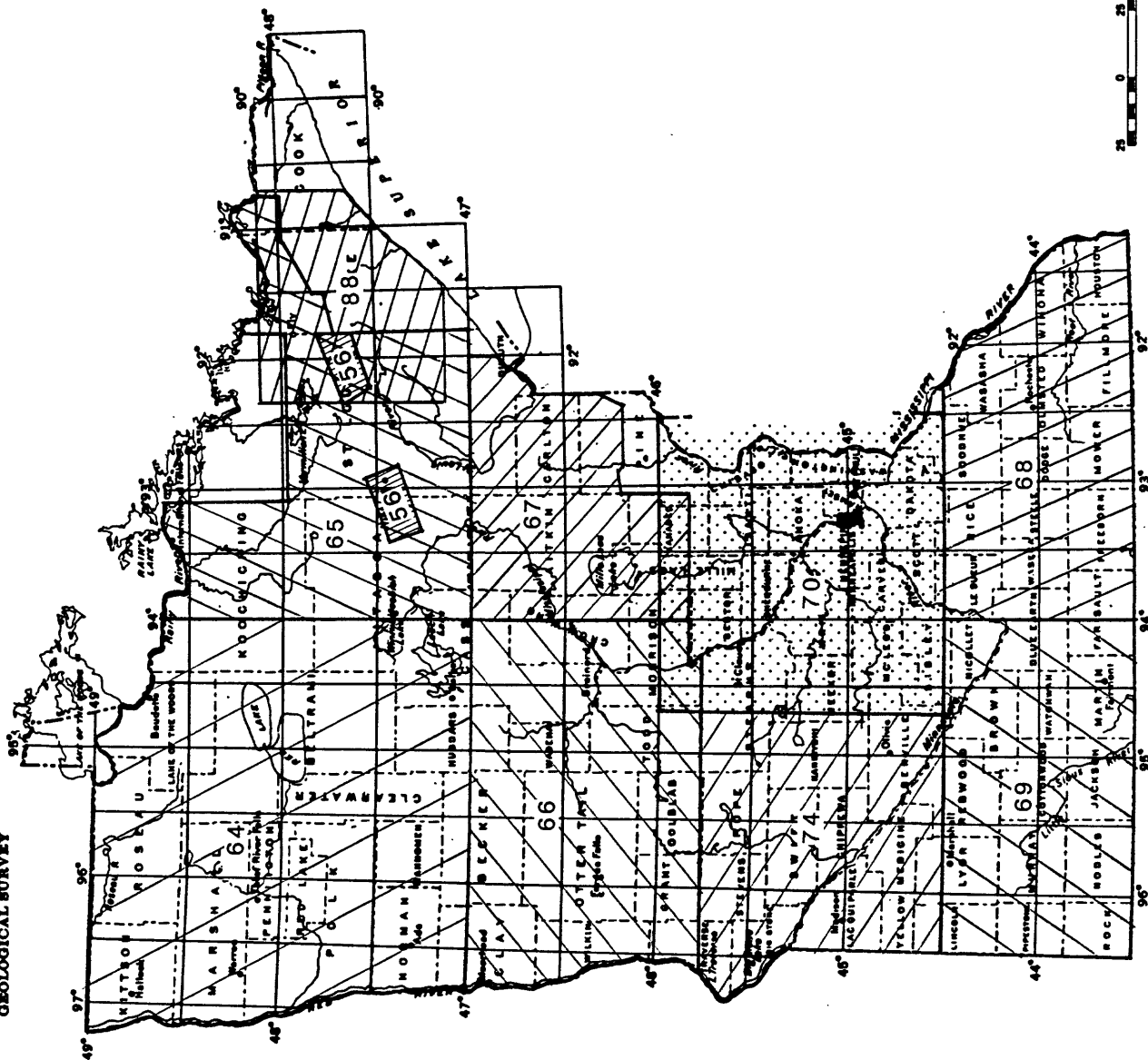
MAP 1

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STATUTE MILES

MINNESOTA

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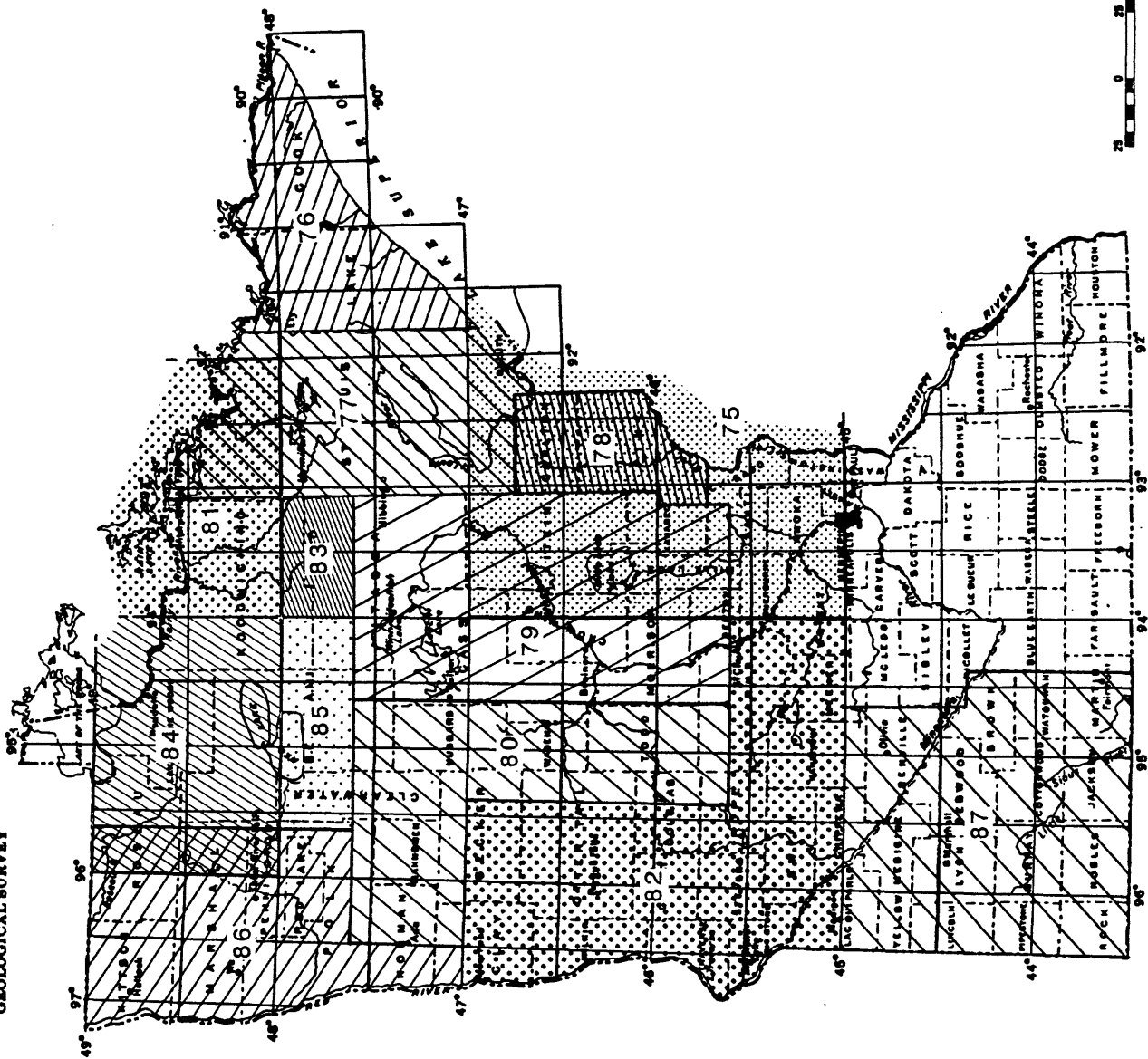


MAP 2



UNITED STATES
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GEOLOGICAL SURVEY

MINNESOTA



MAP 3



MISSOURI AIRBORNE INDEX

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

(Repository and some source locations are listed on page 33 except where noted.)

Map ref.

Total intensity aeromagnetic map of the Coldwater quadrangle, Missouri, by W. J. Dempsey and R. T. Duffner, scale 1:31,680, unnumbered GP map, 1949..	10
Geologic, geochemical, and geophysical maps of the Rock Pile Mountain Wilderness Study area, Madison County, Missouri, by W. P. Pratt and R. L. Erickson, aeromagnetic map scale 1:125,000, MF-1339-A, 1982.....	10
Aeromagnetic maps of the following quadrangles are early, unnumbered Geophysical Investigations Maps (GP), are by W. J. Dempsey and R. T. Duffner, and are at scale 1:31,680:	
Des Arc, 1949.....	11
De Soto, 1949.....	12
Farmington and part of Crystal City, 1949.....	13
Fredericktown, 1949.....	14
Ironton, 1949.....	15
Richwoods, 1949.....	16
Part of St. Clair, 1949.....	17
Low-amplitude aeromagnetic anomalies in southeastern Missouri, by J. W. Allingham, Geophysics, v. 29, no. 4, p. 537-552, 1964.....	14 & 15
(Extends further south than shown)	
Aeromagnetic maps of the following quadrangles are by W. J. Dempsey and others, scale 1:31,680:	
Postosi, GP-13, 1950.....	18
Bonne Terre, GP-14, 1950.....	19
Berryman, GP-77, 1951.....	20
Sullivan and part of Union, GP-78, 1951.....	21
The structure and magnetic surveys of the Sullivan-Bourbon area, Missouri, by T. K. Searight, J. H. Williams, and J. S. Hendrix, 14 p., 3 sheets, scale 1:62,500, Missouri Div. Geol. and Land Survey Rept. Invest. 16, 1954.....	21
Aeromagnetic maps of the following quadrangles are by W. J. Dempsey and others, scale 1:31,680:	
Part of Marquand, GP-79, 1951.....	22
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Part of Weingarten, GP-81, 1951.....	24
Aeromagnetic map of part of the Tri-State Mining District, Kansas, Missouri, and Oklahoma, by Fred Keller, Jr., and J. R. Henderson, scale 1:125,000, GP-427, 1963.....	25

MISSOURI AIRBORNE (cont'd)

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Mafic intrusive rocks of Precambrian age in southeast Missouri, by D. H. Amos and G. A. Desborough, 22 p., 3 sheets, scale 1:31,680, Missouri Div. Geol. and Land Survey Rept. Invest. 47, 1970.....	26
Aeromagnetic map of southeastern Nebraska and parts of adjacent states, scale 1:250,000, OF Rept. 73-297, 1973..... (Copies on file at 1, 2, 3)	27
Aeromagnetic map of the New Madrid region, Missouri-Kentucky-Arkansas- Tennessee, scale 1:125,000, OF Rept. 74-360, 1974.....	28
Aeromagnetic map of the Jonesboro region, Arkansas-Missouri-Tennessee, scale 1:125,000, OF Rept. 76-318, 1976.....	29
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 77-229, 1977.....	28 & 29
Magnetic and gravity anomalies in the northern Mississippi Embayment and their spacial relation to seismicity, by T. G. Hildenbrand, M. F. Kane, W. Stauder, S. J., scale 1:1,000,000, MF-914, 1977.....	28 & 29
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.....	28 & 29
Interpretation of aeromagnetic anomalies in southeastern Missouri, by J. W. Allingham, scale 1:250,000, OF Rept. 76-868, 1976..... (Covers area shown north of 37°30')	30
Aeromagnetic form-line contour map of the east part of the Rolla, Missouri, 1° by 2° Quadrangle, scale 1:250,000, OF Rept. 78-330, 1978..... (Covers area shown south of 38°)	30
Aeromagnetic map of the Rolla, Missouri, area, scale 1:250,000, OF Rept. 79-966, 1979.....	31
Gravity and magnetic anomalies over basement structure in the Rolla Quadrangle and the southeast Missouri lead district, by Lindrith Cordell, Econ. Geol., v. 74, no. 6, p. 1383-1394, 1979..... (Figs. 10, 11, and 12 are aeromagnetic maps)	32
Geology of the Decaturville impact structure, Missouri, by T. W. Offield and H. A. Pohn, 48 p., Prof. Paper 1042, 1979..... (Fig. 10 is an aeromagnetic map)	33
Aeromagnetic map of central and northeastern Arkansas, by T. G. Hildenbrand, J. D. Hendricks, and R. P. Kucks, scale 1:500,000, OF Rept. 81-758, 1981.. (Copies on file at 1, 2, 3)	34

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Map ref.

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 G. C. Stone and others, Arkansas Geol. Comm. Guidebook 86-2, p. 131-140, 1986.....	34
Aeromagnetic map compilation of part of the Springfield 1° x 2° Quadrangle, Missouri, scale 1:250,000, Missouri Div. Geol. and Land Survey Open-File Rept. OFM-81-40-GI, 1981.....	35
(Same title as above), scale 1:125,000, MGS OFM-81-41-GI, 1981.....	35
Interpretation of an aeromagnetic survey of parts of Shannon, Carter, Oregon, and Ripley counties in southeastern Missouri, by Allan Spector, with an introduction by Gerda Adams, 20 p., magnetic basement map scale 1:62,500, OF Rept. 82-832, 1982.....	36
Aeromagnetic survey of parts of Shannon, Carter, Oregon, and Ripley counties in southeast Missouri, by P. V. Raab and others, 40 p., scale 1:62,500, OF Rept. 83-087, 1983(1985).....	36
Tape of aeromagnetic data from southeastern Missouri, Irish Wilderness area, parts of Shannon, Carter, Oregon, and Ripley Counties, Missouri, by P. Rabb and others, 4 p., 1 tape, PB-83 220 814, 1983..... (Available from 5)	36
Geophysical map of the Irish Wilderness Roadless Area, Oregon and Ripley Counties, Missouri, by C. K. Moss, scale 1:100,000, MF-1511-B, 1984.....	36
Aeromagnetic map of the Hercules Glades area, Missouri, scale 1:62,500, OF Rept. 82-943, 1982.....	37
Geologic, geochemical, and geophysical maps of the Bell Mountain Wilderness study area, Iron County, Missouri, by W. P. Pratt and R. L. Erickson, scale 1:24,000, MF-1178-A, 1982.....	38
The following aeromagnetic maps have been open-filed by Missouri Div. Geol. and Land Survey at scale 1:62,500. They are titled: Contour map for aeromagnetic survey, Rolla 1° x 2° Quadrangle - _____, Missouri, 1983.	
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Phelps and west Dent Counties, OFM-83-148-MR.....	40
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Aeromagnetic map of part of the Springfield 1° by 2° Quadrangle, Missouri, scale 1:250,000, OF Rept. 84-648, 1984.....	44

MISSOURI AIRBORNE (cont'd)

Map ref.

The following aeromagnetic maps have been open-filed by Missouri Div. Geol. and Land Survey at scale 1:62,500. The are titled: Total intensity aeromagnetic contours, Springfield 1° x 2° Quadrangle - _____ Counties, Missouri, 1984.:

Parts of Lawrence, Greene, and Christian, OFM-84-208-MR.....	45
Parts of Greene, Christian, and Webster, OFM-84-209-MR.....	46
Parts of Webster, Wright, Christian, and Douglas, OFM-84-210-MR.....	47
Parts of Wright, Texas, Douglas, and Howell, OFM-84-211-MR.....	48
Parts of Dallas and Laclede, OFM-84-212-MR.....	49
Parts of Laclede, Pulaski, Phelps, and Texas, OFM-84-213-MR.....	50
Magnetic anomaly map of Missouri, by Isidore Zietz, K. R. Bond, and F. E. Riggle, scale 1:1,000,000, Missouri Div. Geol. and Land Survey, Contribution to Precambrian Geology 14, part A, 1984.....	whole state
(Data is a combination of ground and airborne)	
Magnetic anomaly map of Missouri, by Isidore Zietz, K. R. Bond, and F. E. Riggle, scale 1:500,000, GP-965, 1985.....	whole state
(Data is a combination of ground and airborne)	
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.....	not shown
(Covers state east of 92° and north of 37°)	
Residual total intensity aeromagnetic map of the Joplin 1° x 2° Quadrangle, Kansas and Missouri, scale 1:250,000, OF Rept. 89-147, 1989.....	51
Geophysical maps and interpretation of basement terrane in the Harrison 1° x 2° Quadrangle, Missouri and Arkansas, by A. E. McCafferty, L. Cordell, and R. E. Bracken, 2 sheets, scales 1:250,000, and 1:500,000, MF-1994-B, 1989.....	52
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....	53
(A gridded digital data tape is available from 6)	

See map 3 for index to additional 1:62,500 scale aeromagnetic maps available only from Missouri Div. Geol. and Land Survey. Some of these maps are photo reductions of U.S.G.S. 1:31,680 scale maps.

MISSOURI AIRBORNE (cont'd)

Other publications of interest, not shown on index maps:

Interpretation of aeromagnetic anomalies in southeast Missouri, by J. W. Allingham, in Prof. Paper 400-B, p. 216-219, 1960.
(Covers refs. 12, 16 and part of 21)

Aeromagnetic prospecting for bauxite deposits in the Mississippi Embayment, Arkansas and Missouri, by Anna Jespersen, scale 1:125,000, GP-370, 1964.
(Aeromagnetic map in Arkansas, profiles extend from Arkansas into Missouri)

Aeromagnetic anomalies in the Bonne Terre area of the Southeast Missouri mining district, by J. W. Allingham, in Soc. Explor. Geophys., Mining Geophysics, v. 1 (Case Histories), p. 36-53, 1966.
(Covers refs. 13, 19 and parts of 14 and 15)

Field studies in iron ore geophysics, by G. W. Leney, Mining Geophysics, v. 1, (Case Histories), p. 391-417, 1966.
(shows aeromagnetism over part of the Sullivan Quadrangle)

Remanent magnetism and the anomaly at Cottoner Mountain, Madison County, Missouri, by F. B. Park, Geophysics, v. 33, no. 4, p. 613-620, 1968.
(Interprets a magnetic feature on GP-79, ref. 22)

Geophysical exploration of Mississippi Valley-Appalachian type strata-bound zinc-lead deposits, by W. H. Callahan and H. V. McMurtry, Canada Geol. Survey Econ. Geol. Rept. 26, p. 350-360, 1970.

Identification of a Precambrian rift through Missouri by digital image processing of geophysical and geological data, by E. A. Guinness and others, Jour. Geophys. Res., v. 87, no. B10, p. 8529-8545, 1982.

Digital image processing applied to analysis of geophysical and geochemical data for southern Missouri, by E. A. Guinness and others, Econ. Geol. Bull., v. 78, no. 4, p. 654-663, 1983.

Applications of the aeromagnetic method to lead exploration in SE Missouri, by Alan Spector and R. J. Pichette, in Internat. Conf. Mississippi Valley type lead-zinc deposits, Proc., Geza Kisvarsanyi, ed., Univ. Missouri-Rolla, p. 596-602, 1983.

A simple method for the analysis of magnetic anomalies over dike-like bodies, by H. V. Ram Babu, Geophysics, v. 51, no. 5, p. 1119-1126, 1986.
(Shows aeromagnetism over part of the Sullivan Quadrangle)

Earthquakes and plutons in the Midcontinent; evidence from the Bloomfield Pluton, New Madrid rift complex, by D. M. Ravat, L. W. Braile, and W. J. Hinze, Seismol. Res. Letters, v. 58, no. 2, p. 41-52, 1987.

"Graniteville-type" Proterozoic igneous intrusions mapped in southeast Kansas, by S. Parker Gay, Jr., in Geophysical in Kansas, Kansas Geol. Survey Bulletin 226, p. 229-243, 1989.

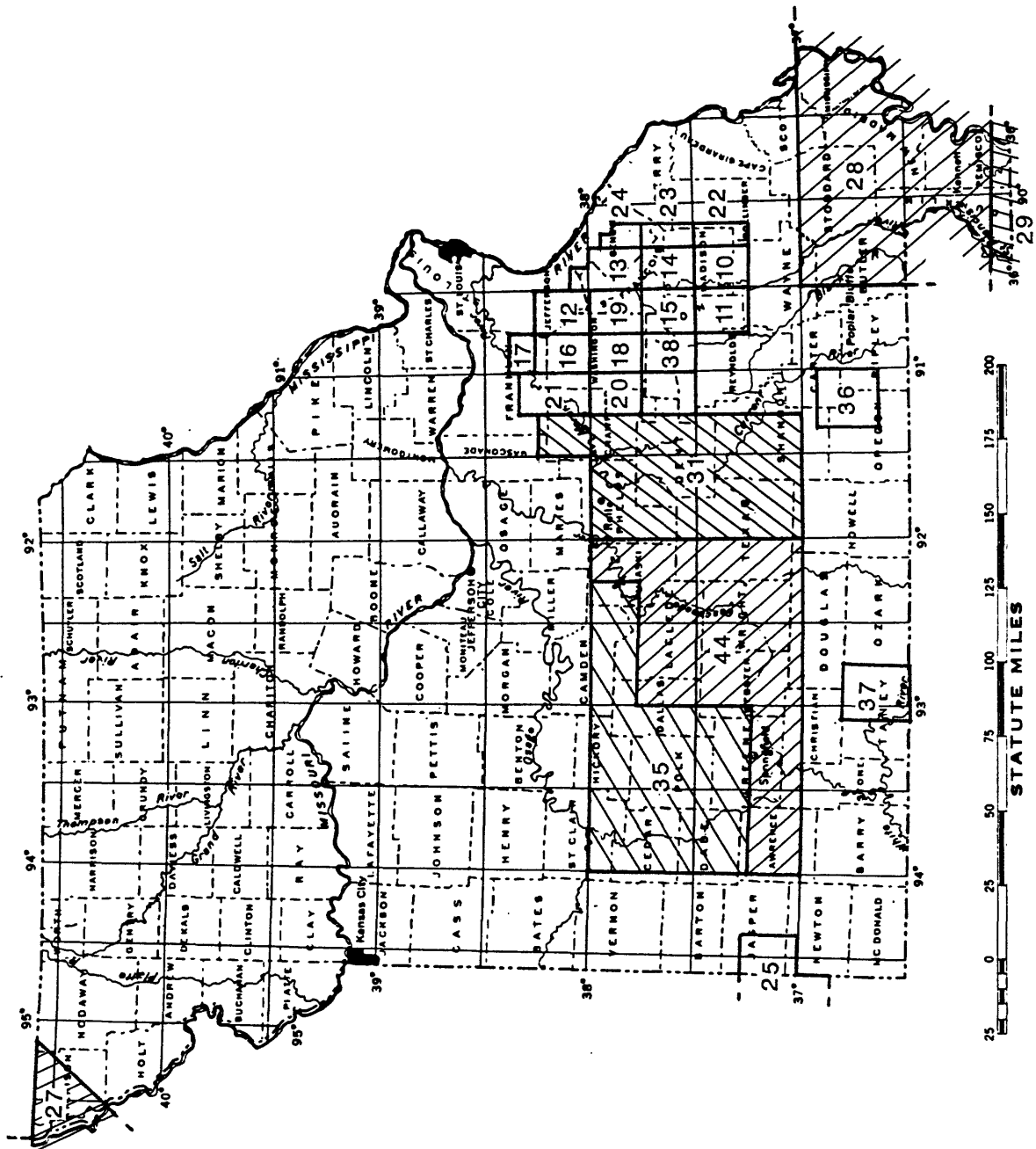
MISSOURI AIRBORNE (cont'd)

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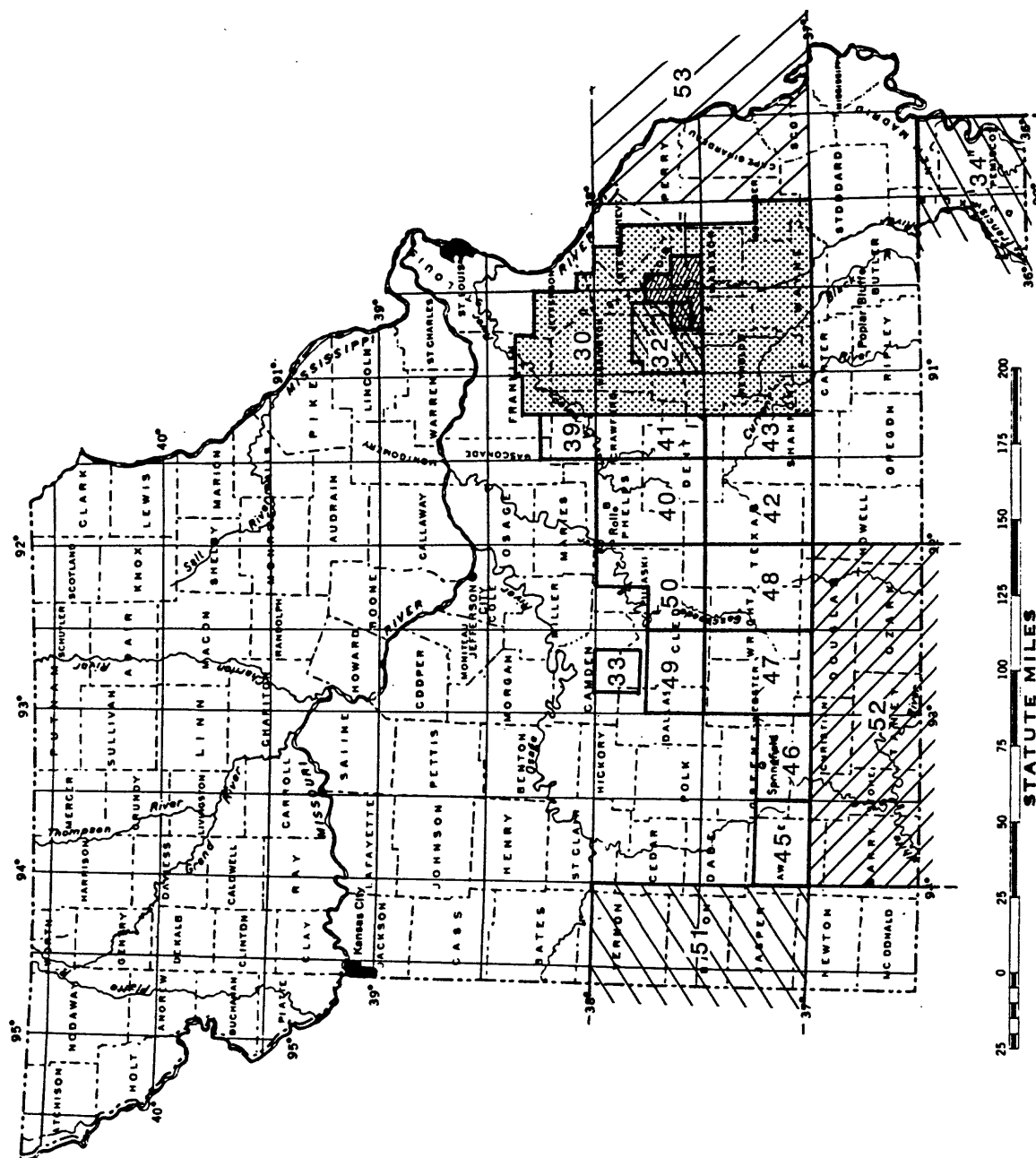
Missouri Dept. Nat. Resources, Div. Geol. and Land Survey open-file reports and other publications are available from 4. They are not available from the U.S.G.S.

1. U.S.G.S. Library, Rm. 4-A-100, 12201 Sunrise Valley Dr., Reston, VA 22092
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3. U.S.G.S. Library, 345 Middlefield Rd., Menlo Park, CA 94025
4. Missouri Div. Geol. and Land Survey, P.O. Box 250, Rolla, MO 65401
5. N.T.I.S., 5285 Port Royal Road, Springfield, VA 22161
6. N.G.D.C., NOAA, Code E/GC12, 325 Broadway, Boulder, CO 80303

MISSOURI



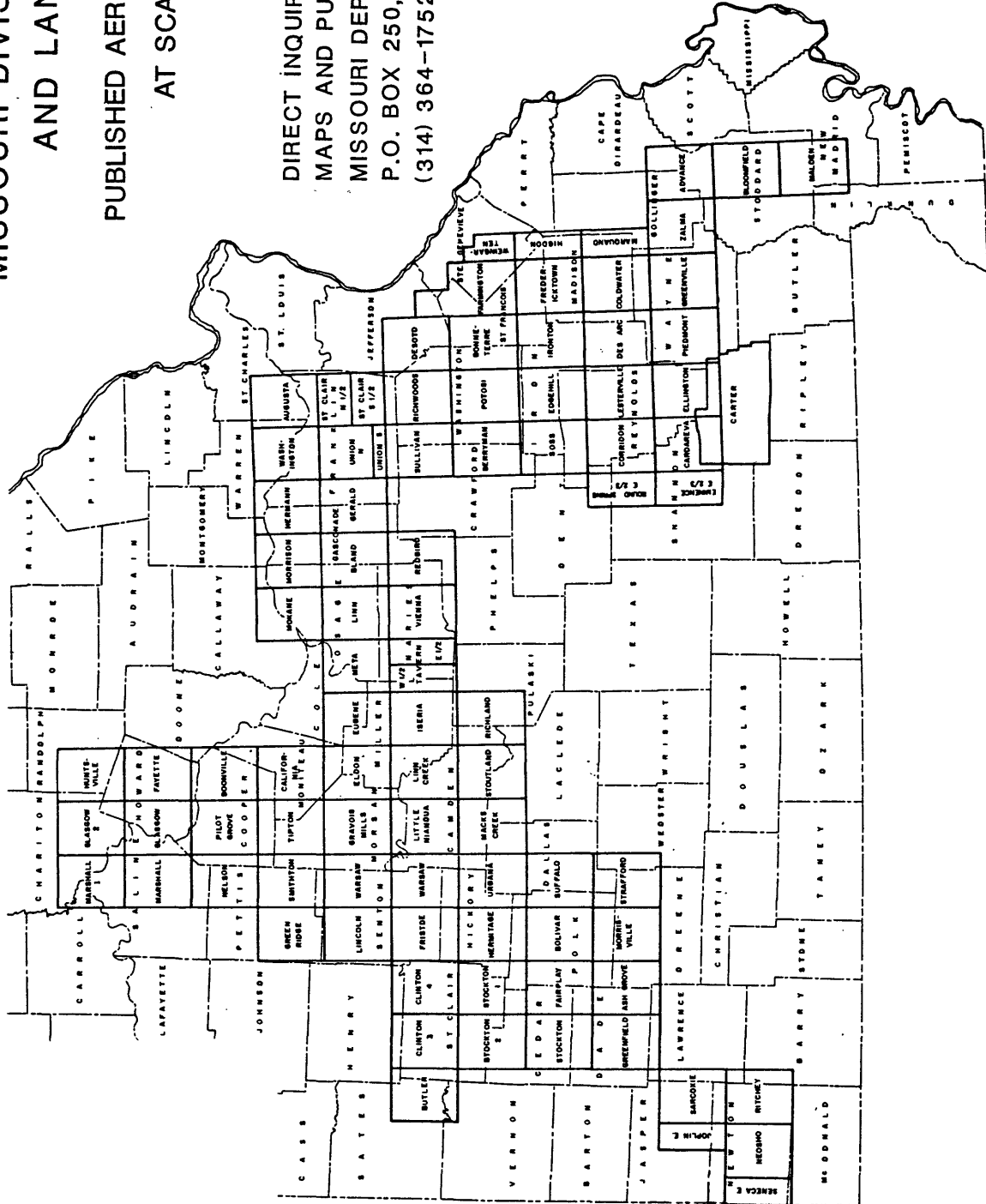
UNITED STATES
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MAP 2

MISSOURI DIVISION OF GEOLOGY
AND LAND SURVEY
PUBLISHED AEROMAGNETIC MAPS
AT SCALE 1:62,500

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MAPS AND PUBLICATIONS
MISSOURI DEPT. NATURAL RESOURCES
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MAP 3

NEBRASKA AIRBORNE INDEX

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

(Repository and some source locations are listed below.)

Map ref.

Basement depths from widely spaced aeromagnetic profiles in Kansas and Nebraska, by J. S. Watkins, Geophysics, v. 29, no. 1, p. 80-86, 1964..... not shown
(Fig. 1 shows 6 widely spaced aeromagnetic profiles in south-central Nebraska)

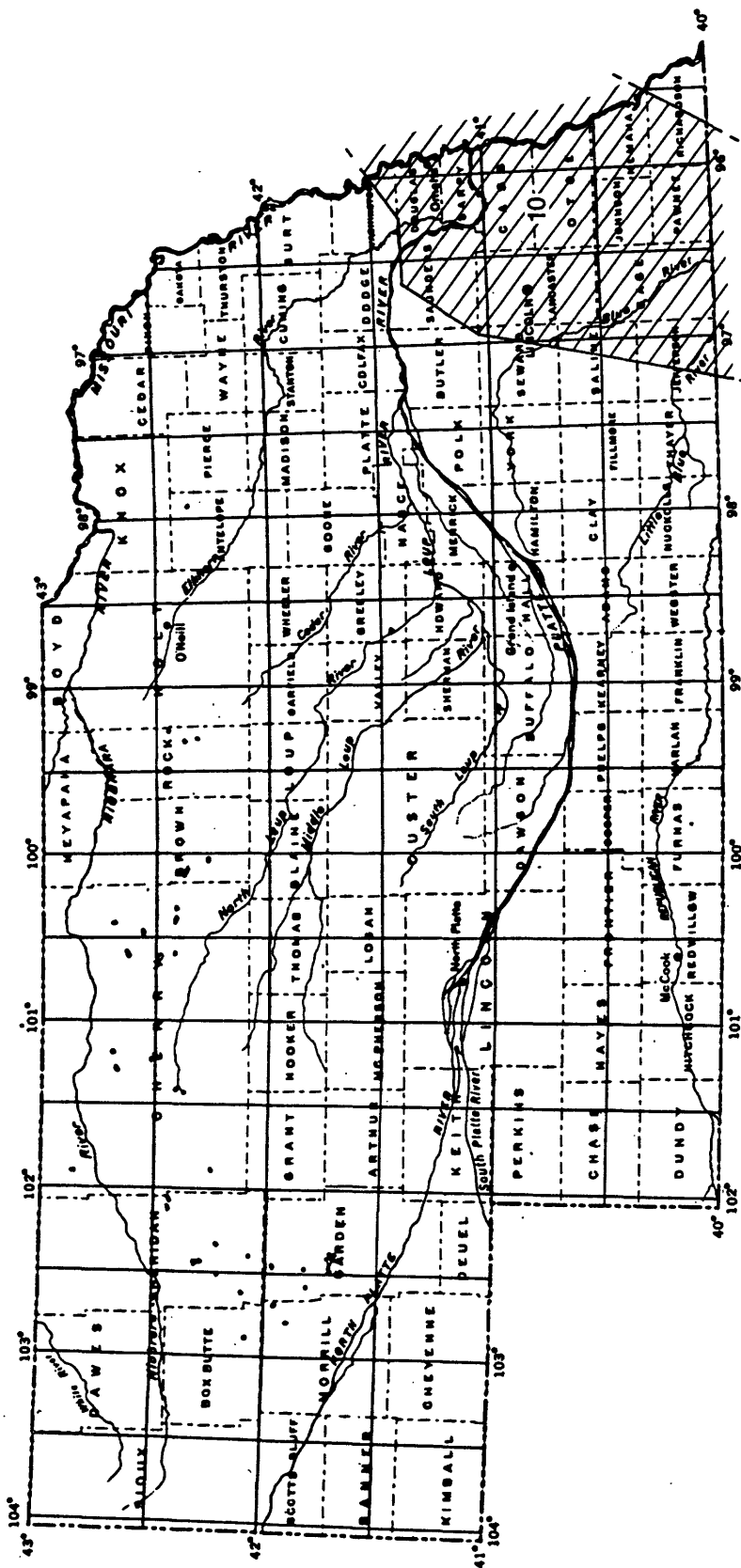
Aeromagnetic map of southeastern Nebraska and parts of adjacent states, scale 1:250,000, OF Rept. 73-297, 1973..... 10

Aeromagnetic map of Nebraska, by R. R. Burchett, scale 1:1,000,000, whole Nebraska Geol. Survey, 1985..... state
(Copies available from 4)

U.S.G.S. open-file reports for Nebraska are available for viewing at 1, 2, 3, and 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 94125
4. Nebraska Conserv. and Survey Div., 113 Nebraska Hall, Univ. of Nebraska, Lincoln, NE 68508

NEBRASKA



NORTH DAKOTA AIRBORNE INDEX

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

(Repository and some source locations are listed below except where noted.)

	Map ref.
Preliminary interpretation of aeromagnetic and gravity data near the Large Aperature Seismic Array, Montana, by Isidore Zietz, Carter Hearne, and Donald Plouff, scale 1:500,000, OF Rept. 68-340, 1968.....	10
(Copies on file at 1, 2, 3)	
Aeromagnetic map of part of the Bismark 1° by 2° Quadrangle, North Dakota, scale 1:250,000, OF Rept. 81-433, 1981.....	11
Aeromagnetic map of northeastern Montana and western North Dakota, 2 sheets, scale 1:250,000, OF Rept. 81-434, 1981.....	12
Magnetic contour map of North Dakota, scale 1:500,000, U.S. Dept. Energy Rept. GJM-1001, 1983.....	whole state
(Copies are available from U.S.G.S. Open-File Services Section)	
Precambrian basement geology of North and South Dakota, by J. S. Klasner and E. R. King, Canadian Jour. Earth Sci., v. 23, no. 8, p. 1083-1102, 1986.....	whole state
(Data is a combination of ground and airborne. Also contains a regional map covering states to the east and south.)	

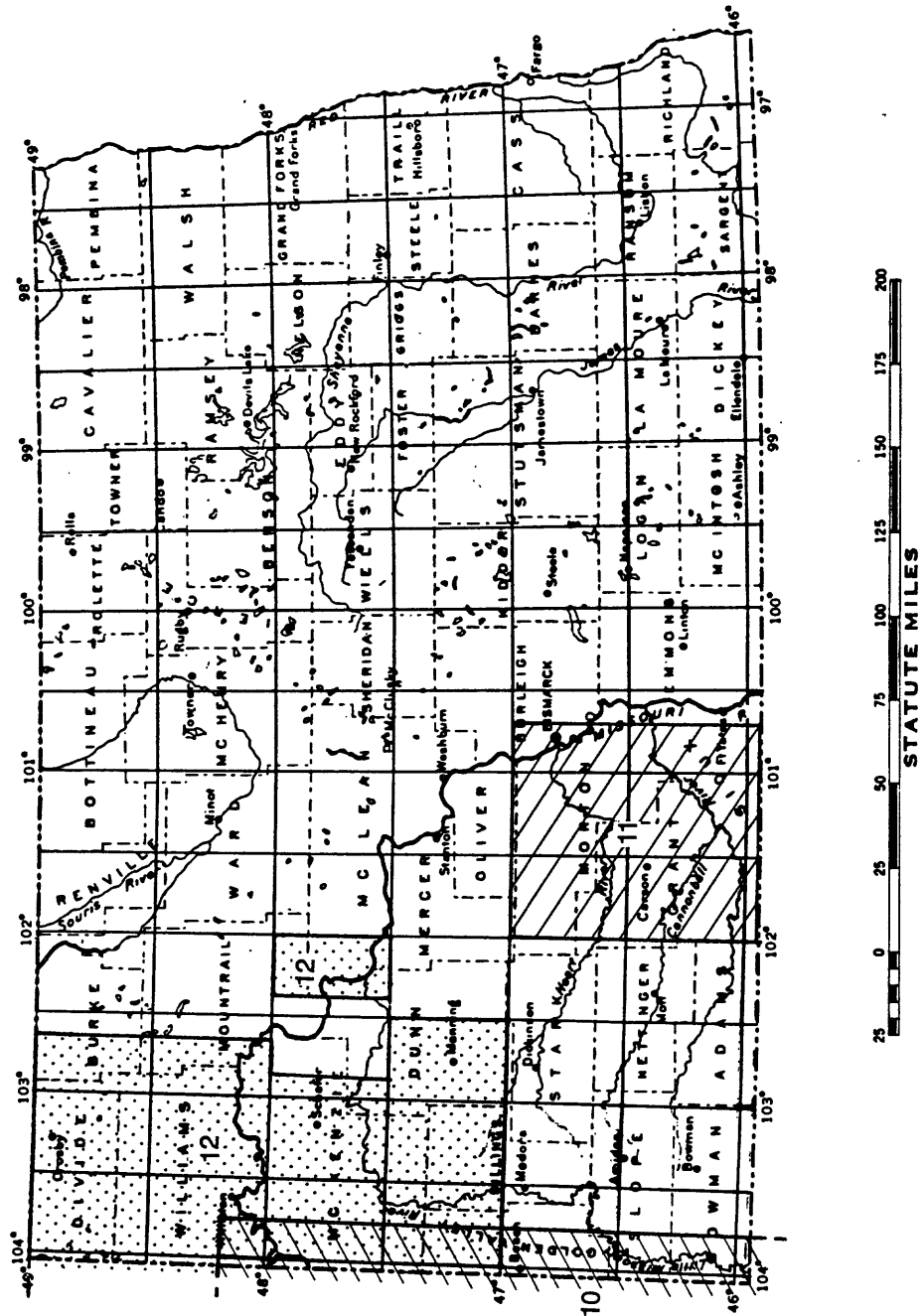
Other publication of interest; not shown on index map:

Oil fields and aeromagnetic anomalies, by N. C. Steenland, Geophysics,
v. 30, no. 5, p. 706-739, 1965.

U.S.G.S. open-file reports for North Dakota are available for viewing at 1,
2, 3, 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. 169, Federal Bldg., 1961 Stout St., Denver, CO 80294
5. U.S.G.S., 821 E. Interstate Ave., Bismark, ND 58501

NORTH DAKOTA



OKLAHOMA AIRBORNE INDEX

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

(Repository and some source locations are listed on page 43 except where noted.)

Map ref.

- The upward continuation of anomalies in total magnetic intensity fields,
by R. G. Henderson and Isidore Zietz, Geophysics, v. 14, no. 4,
p. 517-535, 1949..... 10 & 11
(Figs. 2-6 are aeromagnetic maps of the Elk City area and figs. 9-13
are aeromagnetic maps of the Mangum area)
- Igneous geology of the Lake Altus area, Oklahoma, by C. A. Merritt,
70 p., 1 sheet, Oklahoma Geol. Survey Bull. 76, 1958..... 11
(contains an aeromagnetic map of the Mangum area)
- Aeromagnetic map of part of the Tri-State mining district, Kansas,
Missouri, and Oklahoma, by Fred Keller, Jr., and John R. Henderson,
scale 1:125,000, GP-427, 1963..... 12
- Aeromagnetic map of the Glencoe-Ripley area, Payne County, Oklahoma, by
G. E. Andreasen, R. W. Bromery, and F. P. Gilbert, scale 1:62,500,
GP-469, 1964..... 13
- Aeromagnetic map of the Hominy area, Osage County, Oklahoma, by G. E.
Andreasen, R. W. Bromery, and F. P. Gilbert, scale 1:62,500, GP-470, 1964. 14
- Vertical-intensity magnetic map of Oklahoma, by V. L. Jones and P. L. Lyons, whole
scale 1:750,000, Oklahoma Geol. Survey Map GM-6, 1964..... state
(This map is a combination of ground and airborne magnetics)
(Copies are available from 5)
- Vertical-intensity map of Oklahoma, by V. L. Jones, Geophysical Soc. Tulsa, whole
Proc. 1961-64, v. 8, p. 43-51, (1966)..... state
(This paper discusses GM-6)
- Aeromagnetic map of the Wichita Mountains area, southwestern Oklahoma,
scale 1:62,500, OF Rept. 75-016, 1975..... 15
(Copies on file at 1, 4, 5)
- Interpretation of an aeromagnetic survey along the Wichita frontal
fault zone, by Michael Purucker, Oklahoma Geol. Survey Guidebook 23,
p. 129-136, 1986..... 15
- Constraints on the Anadarko Basin-Wichita Uplift boundary interpreted
from aeromagnetic data, by Meridee Jones-Cecil and A. J. Crone,
Oklahoma Geol. Survey Circular 90, p. 228-232, 1989..... 15
(Coverage is less than shown)
- Aeromagnetic signature of the Glen Mountains layered complex and
associated rocks near Roosevelt, Oklahoma, by R. W. Cooper and
Terry Crebs, Oklahoma Geol. Survey Guidebook 23, p. 126-128, 1986..... 16

OKLAHOMA AIRBORNE (cont'd)

Other publications of interest; not shown on index map:

A magnetic study of the Spavinaw granite area, Oklahoma, by Julian Hawes, Geophysics, v. 17, no. 1, p. 27-55, 1952.
(Located in Northeast Oklahoma)

Total intensity aeromagnetic profiles over northeastern Oklahoma, by G. E. Andreasen and R. W. Bromery, 2 sheets, OF Rept. 63-3, 1963.
(Contains 8 profiles) (Copies on file at 1, 4, 5)

Analysis of an aeromagnetic profile across the Mill Creek syncline, Anadarko Basin, southern Oklahoma, by C. T. Austin, Shale Shaker, v. 20, no. 8, p. 144-160, 1970.

Recent developments in aeromagnetic methods, by N. C. Steenland, Geoexploration, v. 8, no. 3-4, p. 185-204, 1970.

Aeromagnetic detection of diagenetic magnetite over oil fields, by T. J. Donovan, R. L. Forgey, and A. A. Roberts, Am. Assoc. Pet. Geol., Bull., v. 63, no. 2, p. 245-248, 1979.
(Shows aeromagnetic data over the Cement Oil Field)

Integration of geologic, geochemical, and geophysical data of the Cement Oil Field, Oklahoma, using spatial array processing, by P. T. Eliason, T. J. Donovan, and P. S. Chavez, Jr., Geophysics, v. 48, no. 10, p. 1305-1317, 1983.

Location of abandoned wells by magnetic surveys: Acquisition and interpretation of aeromagnetic data for five test areas, by F. C. Frischknecht and others, 65 p., OF Rept. 85-614A, 1985.

Location of abandoned wells by magnetic surveys: Location maps and aeromagnetic contour maps, by F. C. Frischknecht and others, 2 p., 18 sheets, scale 1:6,000, OF Rept. 85-614B, 1985. (Four areas are located near Oklahoma City)

Relative timing of tectonic events in newly recognized Precambrian terrains in south-central Kansas, U.S.A., as determined by residual aeromagnetic data, by S. P. Gay, Jr., Internat. Conf. Base. Tectonics, no. 3, p. 153-167, 1985.
(Shows aeromagnetism in parts of Kay County.)

Summary and comparisons of three technologies for locating abandoned wells in central Oklahoma, by J. J. van Ee and others, in Innovative means of dealing with potential sources of ground water contamination, J. W. Keley, ed., Nat'l. Water Well Assoc., p. 306-329, 1984.

Near surface magnetic indicators of buried hydrocarbons; aeromagnetic detection and separation of spurious signals, by T. J. Donovan and others, Proc., 5th Thematic conf. on remote sensing for exploration geology, J. J. Cook, chair., vol. 1, p. 219-232, 1987.

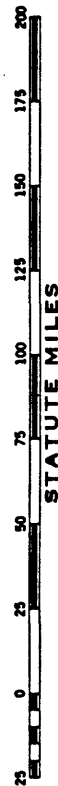
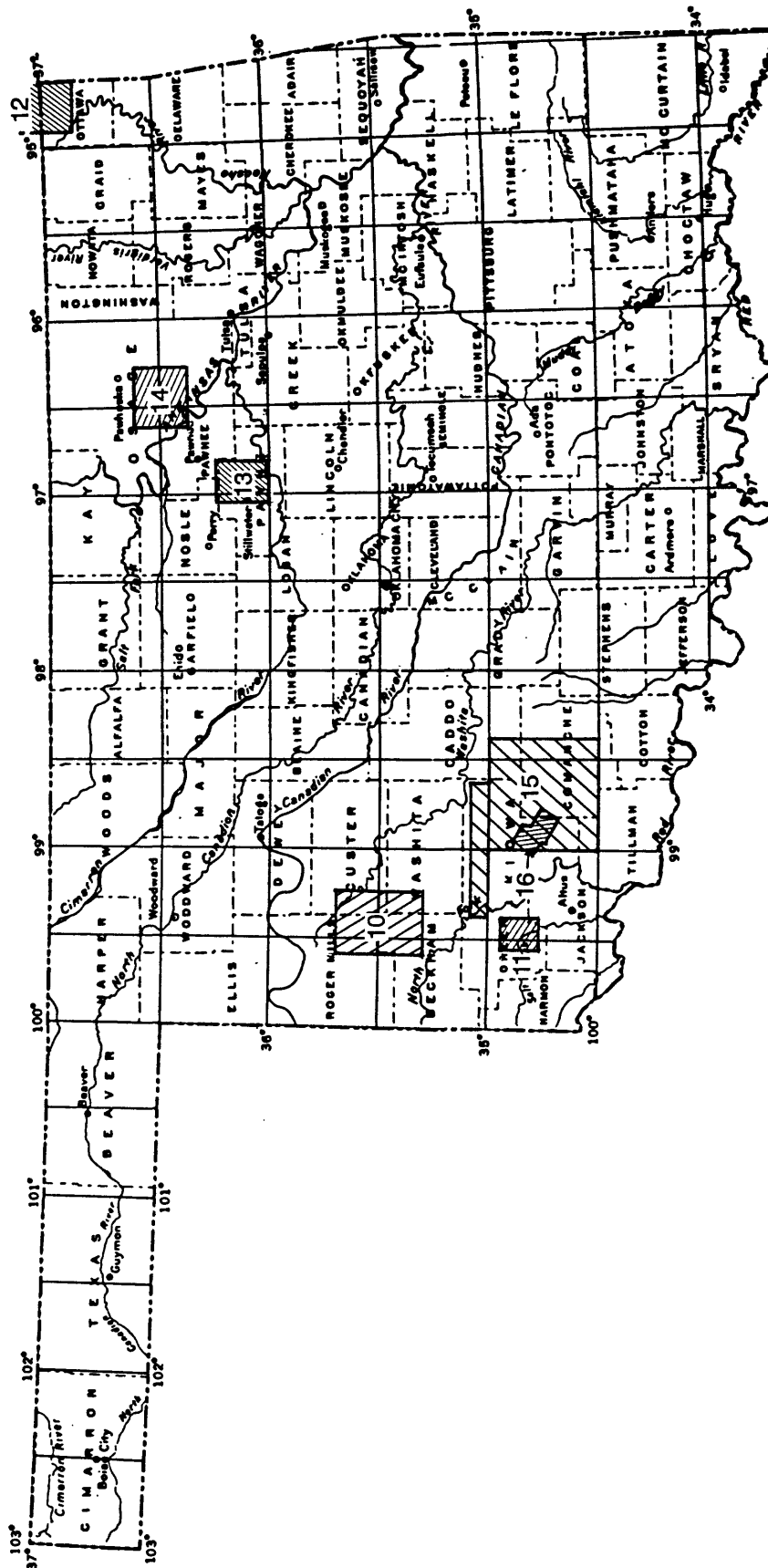
OKLAHOMA AIRBORNE (cont'd)

U.S.G.S. open-file reports for Oklahoma are available for viewing at 1, 2, and 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. P.I.O., Rm. 1C45, Federal Bldg., 1100 Commerce St., Dallas, TX 75242
5. Oklahoma Geol. Survey, Univ. of Oklahoma, 830 Van Vleet Oval, Rm. 163, Norman, OK 73019

OKLAHOMA

TOPOGRAPHIC DIVISION
CENTRAL REGION
ROLLA, MISSOURI



SOUTH DAKOTA AIRBORNE INDEX

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

(Repository and some source locations are listed on page 46 except where noted.)

Map ref.

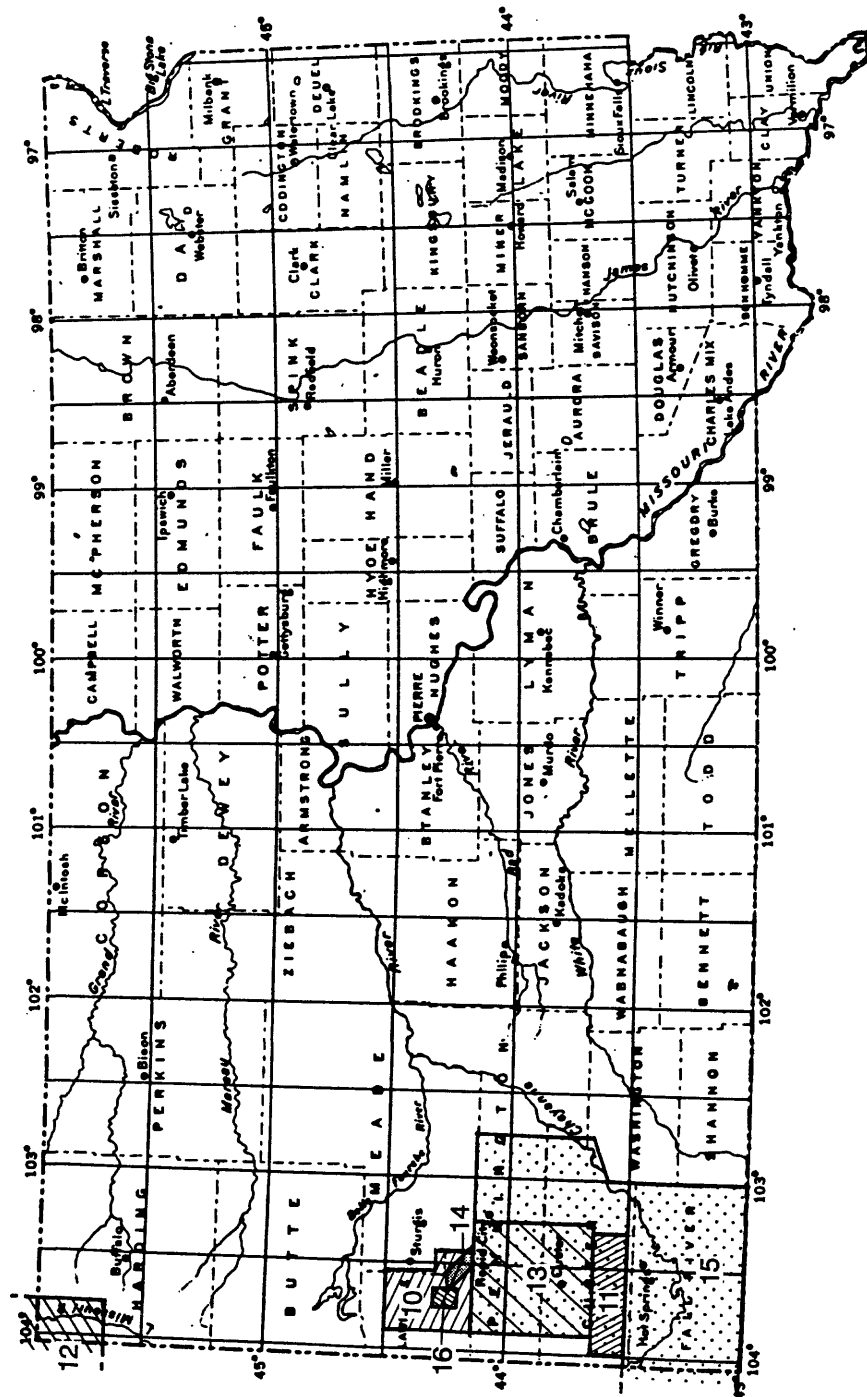
Aeromagnetic map of the Deadwood area, Black Hills, South Dakota, by J. L. Meuschke, P. W. Philbin, and F. A. Petrafeso, scale 1:48,000, GP-304, 1962.....	10
Aeromagnetic map of the southwestern part of Custer County, South Dakota, by J. L. Meuschke, R. W. Johnson, and J. R. Kirby, scale 1:62,500, GP-362, 1963.....	11
Preliminary interpretation of aeromagnetic and gravity data near the Large Aperature Seismic Array, Montana, by I. Zietz, C. Hearne, and D. Plouff, 23 p., aeromagnetic map scale 1:500,000, OF Rept. 68-340, 1968..... (Copies on file at 1, 2, 3)	12
Aeromagnetic map of the Custer-Rapid City area, southwestern South Dakota, scale 1:62,500, GP-670, 1969.....	13
Bouguer gravity, aeromagnetic, and generalized geologic maps of part of the Black Hills of South Dakota and Wyoming, by M. D. Kleinkopf and J. A. Redden, scale 1:250,000, GP-903, 1975.....	10, 11, & 13
Aerial gamma ray and magnetic survey, Nemo detail area, South Dakota, by EG & G GeoMetrics, 2 volumes, scale 1:62,500, U.S. Dept. Energy, Grand Junction Office Rept. GJBX-096(80), 1980.....	14
Aeromagnetic map of the southern Black Hills: Parts of southwestern South Dakota and eastern Wyoming, by T. G. Hildenbrand and R. P. Kucks, scale 1:250,000, OF Rept. 81-759, 1981.....	15
Gravity and magnetic features and their relationship to the geothermal system in southwestern South Dakota, by T. G. Hildenbrand and R. P. Kucks, 48 p., OF Rept. 81-1345, 1981.....	15
Model of the geothermal system in southwestern South Dakota from gravity and aeromagnetic studies, by T. G. Hildenbrand and R. P. Kucks, <u>in</u> The utility of regional gravity and magnetic anomaly maps, Soc. Explor. Geophys., p. 233-247, 1985.....	15
Precambrian basement geology of North and South Dakota, by J. S. Klasner and E. R. King, Canadian Jour. Earth Sci., v. 23, no. 8, p. 1083-1102, 1986.....	whole state
Gravity and magnetic models of the Tomahawk diatreame, northern Black Hills, South Dakota, by D. D. Everson and W. M. Roggenthen, Wyoming Geol. Assoc. Guidebook 39, p. 77-84, 1988.....	16

SOUTH DAKOTA AIRBORNE (cont'd)

U.S.G.S. open-file reports for South Dakota 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.

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. 169, Federal Bldg., 1961 Stout St., Denver, CO 80294
5. P.I.O., Rm. 8105, Federal Bldg., 125 S. State St., Salt Lake City, UT 84138
6. South Dakota Geol. Survey, Science Center., Univ. South Dakota,
Vermillion, SD 57069

SOUTH DAKOTA



TEXAS AIRBORNE INDEX

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

(Repository and some source locations are listed on page 52 except where noted.)

Map ref.

Total intensity aeromagnetic maps of part of the Gulf of Mexico, by J. R. Balsley, scale 1:500,000, OF Rept. 49-012, 1949..... (Copies on file at 1, 5)	10
Geophysical prospecting over continental shelves, by H. C. Cortes and R. N. Gsell, World Pet. Cong., 4th Rome, 1955, Proc., sec. 1, p. 575-603, 1955..	10
Airborne radioactivity and geologic map of the Coastal Plain area, southeast Texas, by R. M. Moxham and D. H. Eargle, scale 1:250,000, GP-198, 1961....	11
Aeroradioactivity data, Texas Coastal Plain: A supplement to Geophysical Investigations Map GP-198, by R. M. Moxham, 2 p., 112 sheets of profiles, OF Rept. 72-264, 1972..... (Copies on file at 1)	11
Preliminary aeroradioactivity and geologic maps of the following quadrangles are at scale 1:31,680:	
Floresville SE, by J. V. A. Trumbull and others, GP-246, 1961.....	12
Stockdale SW, by J. V. A. Trumbull and others, GP-247, 1961.....	13
Stockdale SE, by D. H. Eargle and others, GP-248, 1961.....	14
Falls City NW, by R. D. Brown and others, GP-249, 1961.....	15
Falls City NE, by R. D. Brown and others, GP-250, 1961.....	16
Karnes City NW, by D. H. Eargle and others, GP-251, 1961.....	17
Falls City SW, by D. H. Eargle and others, GP-252, 1961.....	18
Falls City SE, by D. H. Eargle and others, GP-253, 1961.....	19
Aeromagnetic map of part of the Gulf of Mexico across the continental shelf, by J. R. Balsley and H. R. Joesting, scale 1:500,000, OF Rept. 63-005, 1963.....	20
Aeromagnetic map of Georgetown and vicinity, east-central Texas, by G. E. Andreasen and Frank Petrafeso, scale 1:125,000, GP-416, 1963.....	21
Aeromagnetic map of the Llano Uplift, Mason-Burnet area, central Texas, by G. E. Andreasen and Frank Petrafeso, scale 1:125,000, GP-417, 1963.....	22
(Aeroradioactivity survey) Galveston Area (ARMS-II), by R. B. Guillou, 21 p., 3 sheets, scale 1:250,000, U.S. Atomic Energy Comm. Rept. CEX-62.6.1, 1963..... (Copies available from 6)	23
Radioelement dispersion in a sedimentary environment and its effect on uranium exploration, by R. M. Moxham, Econ. Geol., v. 59, p 309-321, 1964.	24

TEXAS AIRBORNE (cont'd)

	Map ref.
Natural gamma aeroradioactivity of the Gnome (Carlsbad) area, New Mexico and Texas, by J. A. MacKallor, scale 1:250,000, GP-462, 1964.....	25
Aeroradioactivity survey and geology of the Gnome (Carlsbad) area, New Mexico and Texas (ARMS-I), by J. A. MacKallor, 30 p., scale 1:250,000, U.S. Atomic Energy Comm. Rept. CEX-59.4.24, 1965..... (Copies available from 6)	25
Aeromagnetic map of the Carlsbad area, New Mexico and Texas, scale 1:250,000, GP-861, 1973.....	25
Aeromagnetic study of Coyanosa (Texas), by N. C. Steenland, Geophysics, v. 32, no. 2, p. 282-290, 1967.....	26
Magnetic investigations in the Delaware Basin, by N. C. Steenland, West Texas Geol. Soc. Pub. 68-55, p. 118-125, 1968.....	26
Aeromagnetic evidence for Hueco Mountain wrench fault, Texas, by N. C. Steenland, Geophysics, v. 32, no. 2, p. 291-296, 1967.....	27
Airborne measurements of terrestrial radioactivity, by J. A. Pitkin, 29 p., Prof. Paper 516-F, 1968.....	28
Natural gamma aeroradioactivity map of the Fort Worth-Dallas area, Texas, by J. A. Pitkin, scale 1:250,000, GP-696, 1970.....	29
Aeromagnetic map of part of the Texas coastal plain, scale 1:250,000, OF Rept. 74-100, 1974.....	30
Airborne gamma-ray spectrometry and aeromagnetic survey of the Freer area in Duval, Live Oak, McMullen, and Webb Counties, Texas, by Karen Schulz, 3 p., 4 sheets, scale 1:50,000, OF Rept. 75-294, 1975.....	31
Preliminary contour maps of a gamma-ray spectrometric and aeromagnetic survey of the Freer area in Duval, Live Oak, McMullen, and Webb Counties, Texas, by K. A. Schulz, 3 p., 9 sheets, scale 1:125,000, OF Rept. 76-525, 1976.....	31
Interpretation of an aeromagnetic anomaly in McMullen and Live Oak Counties, Texas, by J. S. Duval and R. A. Martin, 8 p., OF Rept. 77-768, 1977.....	31
Aerial gamma-ray survey in Duval, McMullen, Live Oak, and Webb Counties, Texas, by Joseph S. Duval and Karen A. Schulz, Cha. D <u>in</u> Prof. Paper 1123-A-D, p. D1-D11, 1980.....	31
Composite color images of aerial gamma-ray spectrometric data, by J. S. Duval, Geophysics, v. 48, no. 6, p. 722-735, 1983.....	31
Gamma radiation spectral survey of the Jackson/Goliad formations in Texas, by Geodata International, Inc., 106 p., 253 sheets, scales 1:24,000 and 1:250,000, U.S. Atomic Energy Comm., Grand Junction Office Rept. GJO-1632, 1975.....	32

TEXAS AIRBORNE (cont'd)

Map ref.

Aeromagnetic map of the Salt Basin area, Texas, scale 1:125,000, OF Rept. 77-231, 1977.....	33
Aeroradioactivity profiles in the Corpus Christi area, southeast Texas, by J. Blanchett, scale 1:250,000, OF Rept. 79-1647, 1979.....	34
Integration of NURE and other data sets with emphasis on their utilization in generating exploration models in the Lubbock, Texas 1° x 2° Quadrangle, by M. M. Lankston, R. W. Lankston, and G-Cubed, 169 p., U.S. Dept. Energy, Grand Junction Office Rept. GJBX-135(79), 1979.....	35
A regional geological and geophysical study of the Delaware Basin, New Mexico and West Texas, by G. R. Keller, J. M. Hills, and R. Djeddi, New Mexico Geol. Soc. Guidebook no. 31, p. 105-111, 1980.....	36
An integrated geological and geophysical study of the Salt Basin graben, West Texas, by J. H. Veldhuis and G. R. Keller, New Mexico Geol. Soc. Guidebook no. 31, p. 141-150, 1980.....	37
A seismicity and seismotectonic study of the Kermit seismic zone, Texas, by G. R. Keller, A. M. Rogers, and R. J. Lund, 388 p., OF Rept. 81-037, 1981.	38
Structural evolution of the Permian Basin of West Texas and New Mexico, by J. M. Hills, West Texas Geol. Soc. Pub. 85-81, p. 89-99, 1985.....	38
Evaluation and combined geophysical interpretations of NURE and related geoscience data in the Van Horn, Pecos, Marfa, Fort Stockton, Presidio, and Emory Peak quadrangles, Texas; final report, by G. R. Keller and others, 2 vols., geophysical maps scale 1:500,000, U.S. Dept. Energy, Grand Junction Office Rept. GJBX-365(81), 1981.....	39
Gravity and magnetic study of West Texas, by G. R. Keller and others, <u>in</u> The utility of regional gravity and magnetic anomaly maps, W. J. Hinze, ed., Soc. Explor. Geophys., p. 198-212, 1985.....	39
Regional gravity and aeromagnetic anomalies in West Texas, by G. R. Keller and W. J. Peeples, West Texas Geol. Soc. Pub. 85-81, p. 101-105, 1985..... (Covers slightly larger area than shown)	39
A regional geophysical study of southern Trans-Pecos Texas, by G. R. Keller and others, <u>in</u> Marathon-Marfa region of West Texas, B. T. Pearson, ed., Soc. Econ. Paleontol. Mineral., Permian Basin Sec. Pub. v. 81-20, p. 102-109, 1981.....	40
Evidence for basement control of structural zones transected by the Southern Rio Grande Rift, by P. W. Dickerson, Proc., Internat. Conf. Basement Tectonics no. 4, p. 103-114, 1983.....	40
Airborne gamma-ray spectrometer and magnetometer survey, Buckshot, Texas, detail area, by High Life Helicopters and QEB, 5 vols., scale 1:62,500, U.S. Dept. Energy, Grand Junction Office Rept. GJBX-196(82), 1982.....	41

TEXAS AIRBORNE (cont'd)

Map ref.

Airborne gamma-ray spectrometer and magnetometer survey, Christmas Mountains, Solitario, Green Valley/02 Ranch, Texas, detail areas, by High Life Helicopters, Inc, 7 vols., scale 1:62,500, U.S. Dept. Energy, Grand Junction Office Rept. GJBX-195(82), 1982.....	42
Airborne gamma-ray spectrometer and magnetometer survey, Dryden and Indian Wells, Texas, detail areas, by High Life Helicopters, Inc., 7 vols., scale 1:62,500, U.S. Dept. Energy, Grand Junction Office Rept. GJBX-024(83), 1983.....	43
Aeromagnetic map of the Lockhart area, Texas, scale 1:250,000, OF Rept. 84-207, 1984.....	44
Aeromagnetic map of east-central Texas, scale 1:250,000, OF Rept. 84-208, 1984.....	45
Geophysical anomalies in southwestern New Mexico, by M. V. DeAngelo and G. R. Keller, New Mexico Geol. Soc. Guidebook 39, p. 71-75, 1988.....	46
Radiometric maps of the Permian Basin: Surface uranium and potassium activity derived from NURE Program, by N. E. Pingitore, Jr., G. R. Keller, and J. S. Schmidt, West Texas Geol. Soc. Bull., v. 29, no. 6, p. 5-11, 1990.....	47
Other publications of interest; not shown on index maps:	
Reconnaissance aeromagnetic profiles, northeast Texas, by R. J. Brod, R. H. Hammons, Jr., and F. W. Hinrichs, Geophysics, v. 28, no. 2, p. 306-308, 1963.	
Radioactivity and geologic map of the Tordilla Hill-Deweesville area, Karnes County, Texas, by J. A. MacKallor and others, scale 1:6,000, GP-199, 1962(1963). (Shows part of ref. 16)	
Oil fields and aeromagnetic anomalies, by N. C. Steenland, Geophysics, v. 30, no. 5, p. 706-739, 1965.	
Geology of the oxidized uranium ore deposits of the Tordilla Hill-Deweesville Karnes County Texas; a study of a district before mining, by C. M. Bunker and J. A. MacKallor, 37 p., Prof. Paper 765, 1973. (Location same as GP-199)	
Recent developments in aeromagnetic methods, by N. C. Steenland, Geoexploration, v. 8, no. 3-4, p. 185-204, 1970.	
Ouachita orogenic complex, central Texas; geophysical measurements and basement offset, by H. C. Clark, Gulf Coast Assoc. Geol. Soc., Trans., v. 32, p. 157-163, 1982.	

TEXAS AIRBORNE (cont'd)

Other publications--cont'd:

Integrating airborne and subsurface magnetic data, by R. S. Foote, Proc., 5th Thematic conf. on remote sensing for exploration geology, J. J. Cook, chair., vol. 1, p. 233-247, 1987.

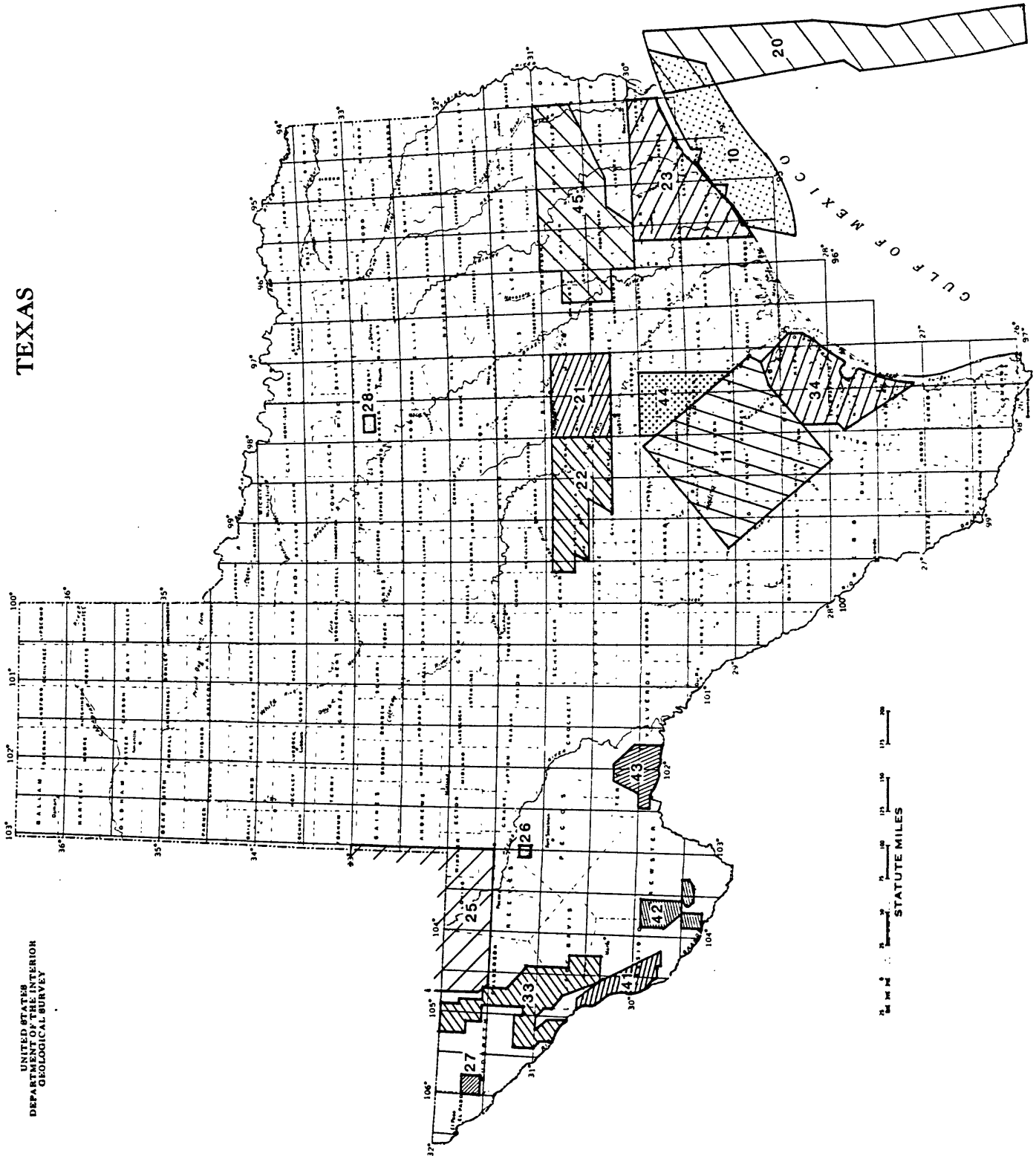
Radiometric, magnetic and hydrocarbon anomalies; Alabama Ferry Field, Leon and Houston counties, Texas, by D. F. Saunders and others, West Texas Geol. Soc. Pub. 89-85, p. 139-147, 1989.

U.S.G.S. open-file reports for Texas are available for viewing at 1, 2, 3, 4, and sometimes 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
Stop 914, Denver, CO 80225
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. Texas Bur. of Econ. Geol., University of Texas, Austin, TX 78712
6. N.T.I.S., 5285 Port Royal Rd., Springfield, VA 22161

TEXAS

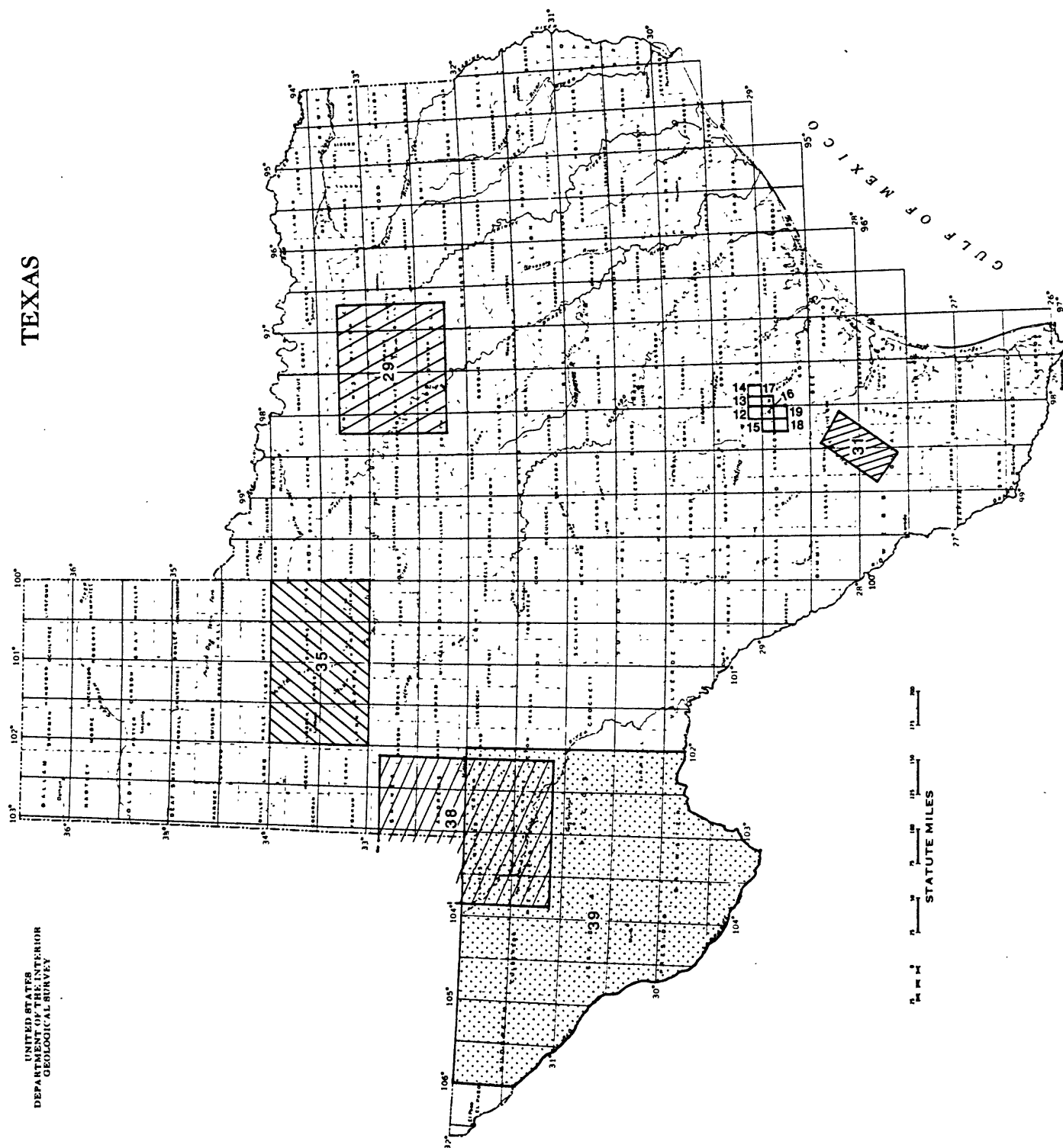
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



MAP 1

TEXAS

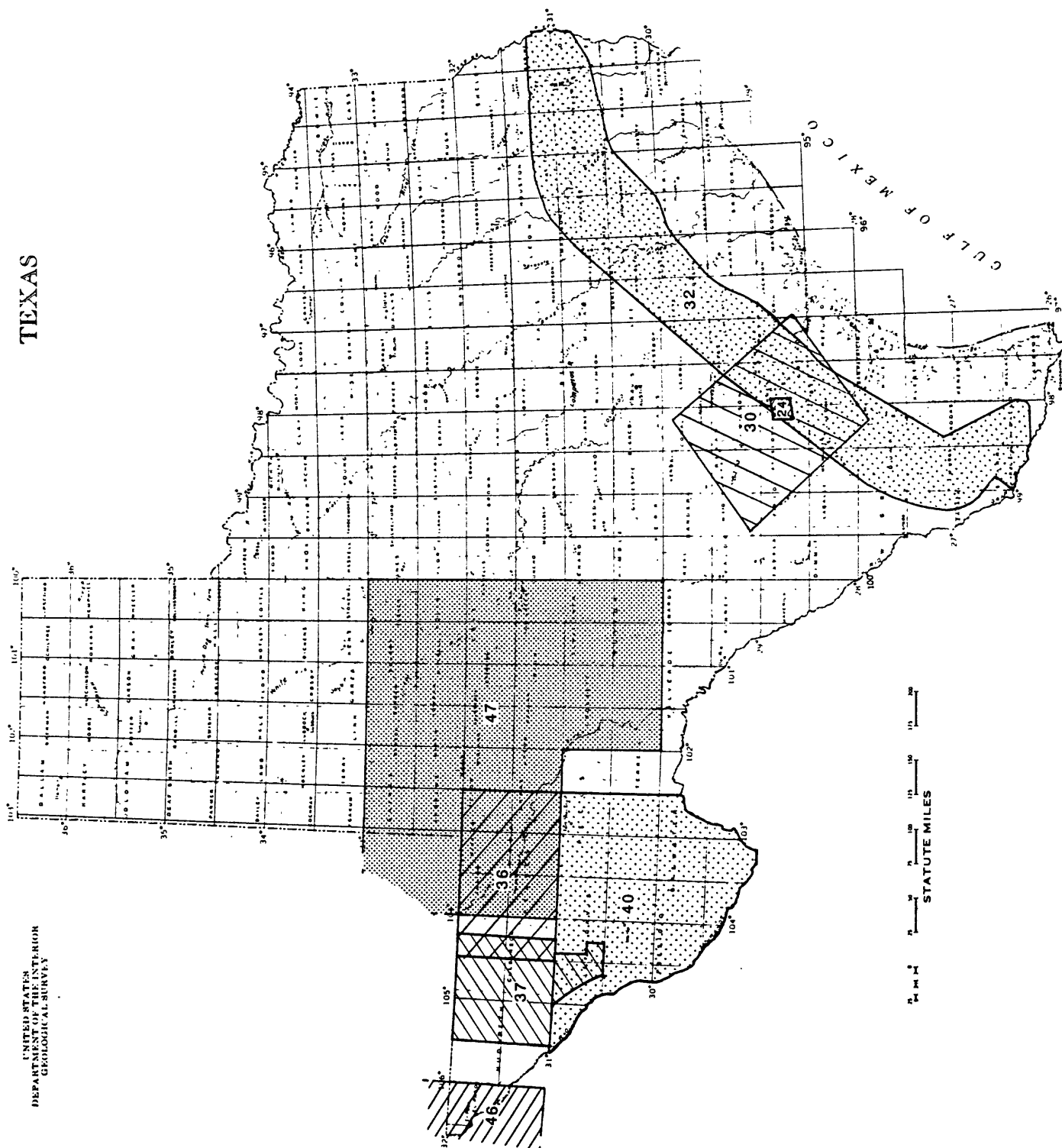
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



TEXAS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MAP 3



CENTRAL 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 is 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	
Aberdeen	102. GJBX-357(81)		GJM-311
Abilene	4. GJBX-017(77)		GJM-346
Alexandria	38. GJBX-152(80)		GJM-145
Alliance	25. GJBX-025(80)		GJM-090
Amarillo	2. GJBX-033(76)	113. GJQ-013(81)	GJM-357
Ardmore	4. GJBX-017(77)		GJM-330
Austin	21. GJBX-148(79)		GJM-334
Baton Rouge	53. GJBX-221(80)		GJM-147
Bay City	13. GJBX-069(79)		GJM-327
Beaumont	30. GJBX-044(80)	118. PGJ/F-062(82)	GJM-325
Beeville	13. GJBX-069(79)	119. PGJ/F-066(82)	GJM-336
Beloit	8. GJBX-100(78)		GJM-047
Bemidji	92. GJBX-331(81)		GJM-268

CENTRAL AREA AIRBORNE (cont'd)

Quadrangle	item	item	
Big Spring	48. GJBX-196(80)		GJM-360
Bismark	86. GJBX-085(81)		GJM-295
Blytheville	52. GJBX-205(80)		GJM-138
Brainerd	93. GJBX-332(81)		GJM-269
Breton Sound	55. GJBX-223(80)		GJM-066
Broken Bow	8. GJBX-100(78)		GJM-340
Brownfield	2. GJBX-033(76)		GJM-371
Brownsville	10. GJBX-118(78)	137. PGJ/F-134(82)	
Brownwood	12. GJBX-068(79)		GJM-347
Burlington	110. GJBX-028(82)		GJM-202
Centerville	65. GJBX-028(81)		GJM-173
Clinton	3. GJBX-034(76)	127. PJG/F-096(82)	GJM-343
Clovis	2. GJBX-033(76)		GJM-370
Corpus Christi	16. GJBX-099(79)	133. PGJ/F-117(82)	GJM-337
Crystal City	15. GJBX-098(79)		GJM-350
Dalhart	32. GJBX-046(80)		GJM-368
Dallas	4. GJBX-017(77)		GJM-332
Davenport	76. GJBX-059(81)		GJM-257
Del Rio	40. GJBX-156(80)		GJM-363
Des Moines	79. GJBX-062(81)		GJM-265
Devils Lake	99. GJBX-354(81)		GJM-290
Dickinson	20. GJBX-139(79)	116. PGJ/F-036(82)	GJM-298
Dodge City	8. GJBX-100(78)		GJM-355
Dubuque	81. GJBX-064(81)		GJM-256
Duluth	91. GJBX-330(81)		GJM-260
Dyersburg	26. GJBX-040(80)		GJM-081
Eagle Pass	41. GJBX-157(80)		GJM-506
Eau Claire	7. GJBX-026(78)	121. PGJ/F-071(82)	GJM-254
El Dorado	46. GJBX-182(80)		GJM-321
El Paso	107. GJBX-412(81)		GJM-405
Emory Peak	14. GJBX-088(79)	132. PGJ/F-110(82)	GJM-037
Enid	8. GJBX-100(78)	127. PGJ/F-095(82)	GJM-049
Fairmont	80. GJBX-063(81)		GJM-272
Fargo	23. GJBX-013(80)		GJM-278
Fort Dodge	72. GJBX-047(81)		GJM-273
Fort Smith	49. GJBX-200(80)		GJM-323
Fort Stockton	14. GJBX-088(79)		GJM-039
Fremont	6. GJBX-020(78)		GJM-013
Goodland	70. GJBX-044(81)		GJM-353
Grand Forks	23. GJBX-013(80)		GJM-277
Grand Island	8. GJBX-100(80)		GJM-012
Great Bend	8. GJBX-100(78)		GJM-048
Greenwood	47. GJBX-183(80)		GJM-126
Harrison	36. GJBX-150(80)		GJM-159
Helena	50. GJBX-201(80)		GJM-319
Hibbing	100. GJBX-355(81)		GJM-259
Hobbs	57. GJBX-228(80)		GJM-372
Hot Springs	18. GJBX-126(79)	115. PGJ/F-029(82)	GJM-089
Houston	9. GJBX-102(78)		GJM-326
Huron	106. GJBX-405(81)		GJM-312
Hutchinson	6. GJBX-020(78)	122. PGJ/F-088(82)	GJM-015
International Falls	101. GJBX-356(81)		GJM-258

CENTRAL AREA AIRBORNE (cont'd)

Quadrangle	item	item	
Jackson	39. GJBX-153(80)		GJM-129
Jamestown	98. GJBX-353(81)		GJM-292
Jefferson City	63. GJBX-260(80)		GJM-156
Joplin	8. GJBX-100(78)	124. PGJ/F-092(82)	GJM-014
Kansas City	62. GJBX-259(80)		GJM-142
Kenora	89. GJBX-328(81)		GJM-266
La Crosse	77. GJBX-060(81)		GJM-255
Lake Charles	56. GJBX-224(80)		GJM-322
Larado	16. GJBX-099(79)	120. PGJ/F-069(82)	
Lawrence	59. GJBX-239(80)		GJM-158
Lawton	3. GJBX-034(76)	114. GJQ-017(82)	GJM-344
Lemmon	19. GJBX-138(79)	118. PGJ/F-039(82)	GJM-097
Lincoln	6. GJBX-020(78)		GJM-018
Little Rock	17. GJBX-115(79)		GJM-320
Llano	24. GJBX-024(80)	134. PGJ/F-122(82)	GJM-348
Lubbock	1. GJO-1654	112. GJQ-012(81)	GJM-359
Manhattan	6. GJBX-020(78)	128. PGJ/F-097(82)	GJM-046
Marfa	14. GJBX-088(79)		GJM-038
Martin	68. GJBX-042(81)		GJM-316
Mason City	82. GJBX-065(81)		GJM-263
McAlester	22. GJBX-174(79)		GJM-139
McAllen	10. GJBX-118(78)	137. PGJ/F-134(82)	
McClusky	85. GJBX-084(81)		GJM-294
McCook	75. GJBX-055(81)		GJM-352
McIntosh	87. GJBX-086(81)		GJM-314
Memphis	44. GJBX-179(80)		GJM-318
Milbank	23. GJBX-013(80)		GJM-279
Minot	83. GJBX-067(81)		GJM-293
Mitchell	103. GJBX-385(81)		GJM-313
Moberly	66. GJBX-029(81)		GJM-157
Mobile	54. GJBX-222(80)		GJM-071
Natchez	45. GJBX-180(80)		GJM-146
Nebraska City	64. GJBX-261(80)		GJM-275
New Orleans	55. GJBX-223(80)		GJM-070
New Rockford	104. GJBX-387(81)		GJM-291
New Ulm	23. GJBX-013(80)		GJM-271
North Platte	73. GJBX-053(81)		GJM-091
Oklahoma City	3. GJBX-034(76)		GJM-329
Omaha	71. GJBX-046(81)		GJM-274
O'Neill	8. GJBX-100(78)		GJM-053
Paducah	27. GJBX-041(80)		GJM-118
Palestine	31. GJBX-045(80)		GJM-324
Pecos	5. GJBX-002(78)		GJM-016
Perryton	58. GJBX-229(80)		GJM-356
Pierre	74. GJBX-054(81)		GJM-315
Plainview	1. GJO-1654	111. GJQ-001(79)	GJM-358
Poplar Bluff	28. GJBX-042(80)		GJM-137
Port Arthur	56. GJBX-224(80)		GJM-141
Pratt	8. GJBX-100(78)	130. PGJ/F-099(82)	GJM-341
Presidio	14. GJBX-088(79)	131. PGJ/F-109(82)	GJM-036
Quetico	96. GJBX-335(81)		GJM-250
Quincy	109. GJBX-027(82)		GJM-168

CENTRAL AREA AIRBORNE (cont'd)

Quadrangle	item	item	
Rapid City	34. GJBX-083(80)	135. PGJ/F-125(82)	GJM-088
Rolla	29. GJBX-043(80)		GJM-135
Roseau	90. GJBX-329(81)		GJM-267
Russellville	51. GJBX-204(80)		GJM-155
Saint Cloud	23. GJBX-013(80)		GJM-270
Saint Louis	108. GJBX-026(82)		GJM-169
Saint Paul	94. GJBX-333(81)		GJM-262
San Angelo	43. GJBX-168(80)		GJM-361
San Antonio	42. GJBX-160(80)	136. PGJ/F-126(82)	GJM-349
Scott City	69. GJBX-043(81)		GJM-354
Scottsbluff	25. GJBX-025(80)		GJM-091
Seguin	11. GJBX-037(79)		GJM-335
Sherman	4. GJBX-017(77)	123. PGJ/F-089(82)	GJM-331
Shreveport	37. GJBX-151(80)		GJM-130
Sioux City	8. GJBX-100(78)		GJM-282
Sioux Falls	105. GJBX-389(81)		GJM-281
Sonora	60. GJBX-245(80)		GJM-362
Springfield	35. GJBX-149(80)		GJM-136
Stillwater	95. GJBX-334(81)		GJM-261
Texarkana	33. GJBX-069(80)		GJM-144
Thief River Falls	23. GJBX-013(80)		GJM-276
Tucumcari	2. GJBX-033(76)		GJM-369
Tulsa	8. GJBX-100(78)		GJM-143
Two Harbors	97. GJBX-336(81)		GJM-251
Tyler	33. GJBX-069(80)		GJM-140
Valentine	67. GJBX-041(81)		GJM-317
Van Horn	5. GJBX-002(78)		GJM-017
Waco	33. GJBX-069(80)		GJM-333
Waterloo	78. GJBX-061(81)		GJM-264
Watertown	23. GJBX-013(80)		GJM-280
Watford City	88. GJBX-180(81)		GJM-297
Wichita	8. GJBX-100(78)	129. PGJ/F-098(82)	GJM-328
Wichita Falls	3. GJBX-034(76)	125. PGJ/F-094(82)	GJM-345
Williston	84. GJBX-083(81)		GJM-296
Woodward	61. GJBX-251(80)		GJM-342

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CENTRAL AREA QUADRANGLE LOCATION MAP

