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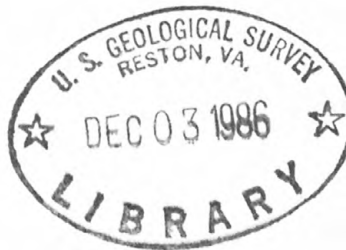


UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Bibliographies and location maps of aeromagnetic and
aeroradiometric publications for Puerto Rico and large
areas of the conterminous United States

by

Patricia L. Hill



Open-File Report 86-525-F

Open-File Report
(Geological Survey
(U.S.))

ward

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

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Open-file report
(Geological Survey
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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 seven open-file reports: four for the conterminous United States (see index map below), one for Alaska and Hawaii, one for Puerto Rico and large areas of the United States (U.S. Regional), and one for the Department of Energy (DOE) National Uranium Resource Evaluation (NURE) Program reports.



The open-file report numbers in this series are:

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|--------|-------------|----------------------|-------------|
| Area 1 | OF 86-525-A | Alaska and Hawaii | OF 86-525-E |
| Area 2 | OF 86-525-B | Puerto Rico and U.S. | OF 86-525-F |
| Area 3 | OF 86-525-C | DOE - NURE | OF 86-525-G |
| Area 4 | OF 86-525-D | | |

In addition to U.S. Geological Survey (U.S.G.S.) 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.

Unless otherwise noted, professional papers, bulletins, open-file reports, etc., are U.S.G.S. publications. Many of the publications listed are Geophysical Investigations Maps (GP) and other U.S.G.S. maps (MF, I, etc.). These may be purchased from: U.S. GEOLOGICAL SURVEY, MAP DISTRIBUTION, FEDERAL CENTER, BLDG. 41, 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.

GENERAL INFORMATION (cont'd)

Professional papers and bulletins that are not out of print can be purchased over the counter from the U.S.G.S. 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 U.S.G.S. 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 U.S.G.S., State Surveys and universities. These locations are noted in each state index.

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

Prices for U.S.G.S. 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 U.S.G.S. libraries and many university and public libraries.

Most of the post-1972 U.S.G.S. airborne data 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 (303-497-6478, FTS 320-6478).

The digital data from the NURE program are available from: U.S. GEOLOGICAL SURVEY, EROS DATA CENTER, USER SERVICES, SIOUX FALLS, SD 57198 (605-594-6151, FTS 784-7151).

General information on U.S.G.S. 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).

PUERTO RICO AIRBORNE INDEX

Map ref.

Note: Some of the "whole map" publications cover a much larger area than the index map covers. Offshore data in most of these publications is a combination of shipborne and airborne surveys.

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| Preliminary report on a special aeromagnetic survey of the Puerto Rico Trench, by W. H. Geddes and L. S. Dennis, <u>in</u> a study of serpentinite, Natl. Acad. Sci., Natl. Research Council Pub. 1188, p. 25-29, 1964..... | whole map |
| Natural gamma aeroradioactivity map of Puerto Rico, by J. A. MacKallor, scale 1:240,000, GP-525, 1965..... | whole island |
| Aeroradioactivity survey and geology of Puerto Rico (ARMS-I), by J. A. MacKallor, 24 p., scale 1:240,000, U.S. Atomic Energy Comm. Rept. CEX 61.7.2, 1966..... (Copies available from 7) | whole island |
| Total intensity aeromagnetic profiles over northwestern Puerto Rico, by J. A. Pitkin and B. L. White, scale 1:50,000, OF Rept. 66-105, 1966..... Copies on file at 1, 2, 3, 6) | 10 |
| Island-arc structure interpreted from aeromagnetic data near Puerto Rico and the Virgin Islands, by Andrew Griscom and W. H. Geddes, Geol. Soc. Am. Bull., v. 77, no. 2, p. 153-162, 1966..... | whole map |
| Atlantic shelf magnetic anomaly, by W. H. Geddes and J. S. Watkins, <u>in</u> Continental margins and island arcs, Canada Geol. Survey Paper 66-15, p. 48-56, 1966..... | whole map |
| Structural implications of magnetic anomalies north of the Bahama-Antilles Islands, by D. R. Brace, Geophysics, v. 33, no. 6, p. 950-961, 1968..... | whole map |
| A gravity and aeromagnetic survey of the mid-Tertiary sedimentary basin on the south coast of Puerto Rico, by Andrew Griscom and W. L. Rambo, OF Rept. 70-144, 1970..... (Copies on file at 1, 2, 3, 4, 5, 6) | 11 |
| Western Atlantic Ocean; topography, rocks, structure, water, life, and sediments, by K. O. Emery and E. Uchupi, 532 p., Am. Assoc. Pet. Geol. Mem. 17, 1972..... | whole map |
| Geophysical studies in the Caribbean Sea, by J. E. Case, <u>in</u> The ocean basins and margins; The Gulf of Mexico and the Caribbean, (A. E. M. Nairn, ed.), Plenum Press, p. 107-180, 1975..... | whole map |
| Caribbean gravity field and plate tectonics, by C. Bowin, 79 p., Geol. Soc. Am., Spec. Paper 169, 1976..... | whole map |
| Map showing total intensity geomagnetic field of the Caribbean region, by J. E. Matthews, scale 1:2,500,000, MF-742, 1976..... | whole map |

Crustal setting of mafic and ultramafic rocks and associated ore deposits of the Caribbean region, by J. E. Case, 99 p., 6 sheets, OF Rept. 80-304, 1980..... whole map
 (Copies on file at 1, 2, 3)

Other publications of interest; not shown on index map:

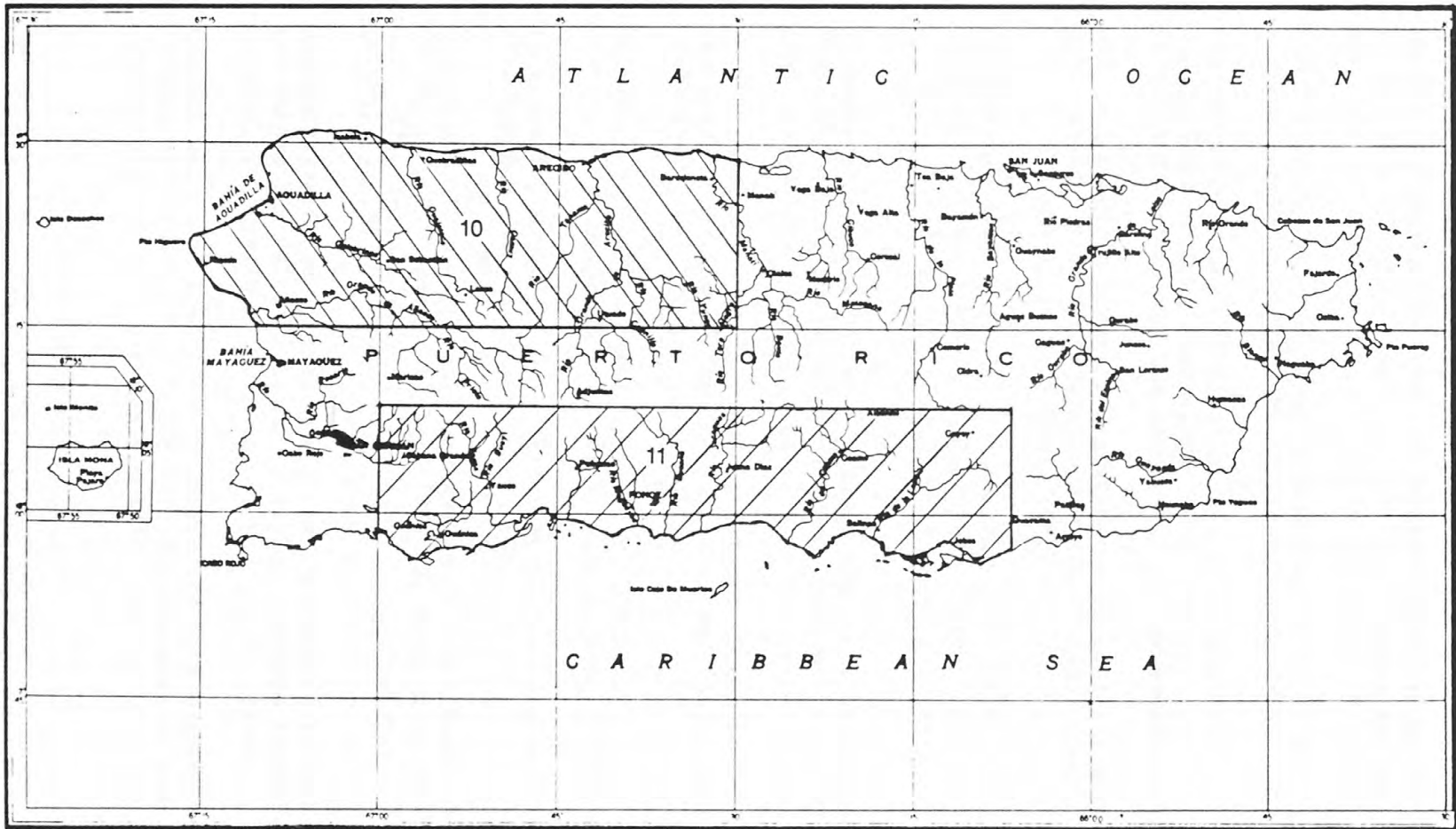
Aeromagnetic survey of the Mayaguez area, Puerto Rico, by L. S. Dennis and C. L. Gunn, Jr., in A study of serpentinite, Natl. Acad. Sci., Natl. Research Council Pub. 1188, p. 30-38, 1964.
 (Contains 6 profiles in southwest Puerto Rico)

Magnetic properties and aeromagnetic interpretation of serpentinite from southwest Puerto Rico, by Andrew Griscom, in A study of serpentinite, Natl. Acad. Sci., Natl. Research Council Pub. 1188, p. 39-48, 1964.
 (Contains 3 profiles)

Low altitude gamma-spectrometric surveys from helicopters in Puerto Rico as an example of the remote sensing of thorium, uranium, and potassium in soils and rocks, by T. F. Schwarzer, B. G. Cook, and J. A. S. Adams, Remote Sensing Environ., v. 2, no. 2, p. 83-94, 1972.

Geophysical study of Antilles outer ridge, Puerto Rico Trench and northeast margin of Caribbean Sea, by E. T. Bunce, J. D. Phillips, and R. L. Chase, Am. Assoc. Pet. Geol. Bull., v. 58, no. 1, p. 106-123, 1974.

1. U.S.G.S. Library, Rm. 4-A-100, 12201 Sunrise Valley Dr., Reston, VA 22092
2. U.S.G.S. Library, 1526 Cole Blvd. at W. Colfax Ave., Golden, CO
 (mail address: Stop 914, Box 25046, Federal Center, Denver, CO 80225)
3. U.S.G.S. Library, 345 Middlefield Rd., Menlo Park, CA 94025
4. P.I.O., Rm. 504, Custom House, 555 Battery St., San Francisco, CA 94111
5. U.S.G.S., Lamar St. and Franklin Roosevelt Ave., San Juan, PR 00963
6. Puerto Rico Econ. Dev. Admin., Dept. of Industrial Research,
 Lamar St. and Franklin Roosevelt Ave., San Juan, PR 00963
7. N.T.I.S., 5285 Port Royal Rd., Springfield, VA 22161



UNITED STATES REGIONAL AIRBORNE INDEX

(See DOE-NURE and individual state Indexes for additional publications)

Map ref.

Notes: See Puerto Rico Index for Caribbean region publications. Some of the publications covering offshore areas illustrate a combination of shipborne and airborne data.

| | |
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| Interpretation of an aeromagnetic survey of Indiana, by J. R. Henderson and Isidore Zietz, scale 1:500,000, Prof. Paper 316-B, 1958..... | 10 |
| Vertical-intensity magnetic map of Oklahoma, by V. L. Jones and P. L. Lyons, scale 1:750,000, Oklahoma Geol. Survey Map GM-6, 1964..... (Data is a combination of ground and airborne. Copies available from 9) | 11 |
| Magnetic anomaly and possible orogenic significance of geologic structure of the Atlantic Shelf, by J. S. Watkins and Wilburt Geddes, Jour. Geophys. Res., v. 70, no. 6, p. 1357-1361, 1965..... | 12 |
| A study of aeromagnetic data, New England Seamount area, by A. L. Kontis and G. A. Young, 25 p., U.S. Naval Oceanographic Office Rept. TR-166, NTIS Rept. AD-614 117, 1965..... (Copies available from 4) | 13 |
| Atlantic shelf magnetic anomaly, by W. H. Geddes and J. S. Watkins, <u>in</u> Continental margins and island arcs, Canada Geol. Survey Paper 66-15, p. 48-56, 1966..... | 12 & 14 |
| Crustal study of a continental strip from the Atlantic Ocean to the Rocky Mountains, by Isidore Zietz and others, Geol. Soc. Am. Bull., v. 77, no. 12, p. 1427-1448, 1966..... | 15 |
| Magnetic anomalies in the Gulf of Mexico, by J. R. Heirtzler, L. H. Burckle, and George Peter, Jour. Geophys. Res., v. 71, no. 2, p. 519-526, 1966..... | 16 |
| Total magnetic intensity map of Lake Superior, by W. J. Hinze and others, Am. Geophys. Union Mon. 10, Plate 1, p. 94, 1966..... | 17 |
| 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..... (Copies available from 5) | 17 |
| Geological implications of aeromagnetic data for the eastern continental margin of the United States, by Patrick T. Taylor, Isidore Zietz, and Leonard S. Dennis, Geophysics, v. 33, no. 5, p. 755-780, 1968..... | 18 |
| Eastern continental margin of the United States--Part 1, A magnetic study, by Isidore Zietz, <u>in</u> The Sea, v. 4, part II: New concepts of sea floor evolution, Wiley-Interscience, p. 293-310, 1970..... | 18 |

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| | Map ref. |
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| Origin of the northwestern Bahama Platform; review and reinterpretation, by H. T. Mullins and G. W. Lynts, Geol. Soc. Am. Bull., v. 88, no. 10, p. 1447-1461, 1977..... | 18 |
| Aeromagnetic anomaly map of the United States Atlantic continental margin, by K. D. Klitgord and J. C. Behrendt, scale 1:1,000,000, MF-913, 1977..... (Offshore data set is different from above; area covered is slightly less than shown) | 18 |
| Basin structure of the U.S. Atlantic Margin, by K. D. Klitgord and J. C. Behrendt, Am. Assoc. Pet. Geol., Mem. 29, p. 85-112, 1979..... (Same as MF-913 above) | 18 |
| Early Mesozoic tectonics of northern Gulf of Mexico coastal plain, by C. D. Van Siclen, Trans., Gulf Coast Assoc. Geol. Socs., v. 33, p. 231-240, 1983..... | 18 |
| Magnetic map from 112° W longitude to the coast of California, by Isidore Zietz and J. R. Kirby, scale 1:1,000,000, I-532-A, 1968..... | 19 |
| Magnetic map from 100° to 112° W longitude, by Isidore Zietz and J. R. Kirby, scale 1:1,000,000, I-533-A, 1968..... | 20 |
| Magnetic map from 87° to 100° W longitude, by Isidore Zietz and J. R. Kirby, scale 1:1,000,000, I-534-A, 1968..... | 21 |
| Magnetic and bathymetric map from 74° to 87° W longitude, by Isidore Zietz, H. P. Stockard, and J. R. Kirby, scale 1:1,000,000, I-535-A, 1968..... | 22 |
| Aeromagnetic investigation of crustal structure for a strip across the western United States, by Isidore Zietz and others, Geol. Soc. Am. Bull., v. 80, no. 9, p. 1703-1714, 1969..... | 23 |
| Aeromagnetic investigations of the Earth's crust in the United States, by Isidore Zietz, Am. Geophys. Union Mon. 13, p. 404-415, 1969..... | 15, 23, & 24 |
| Aeromagnetic study of the midcontinent gravity high of central United States, by E. R. King and Isidore Zietz, scale 1:1,500,000, Geol. Soc. Am. Bull., v. 82, no. 8, p. 2187-2808, 1971..... | 24 |
| Aeromagnetic map of Minnesota, by Isidore Zietz and J. R. Kirby, scale 1:1,000,000, GP-725, 1970..... | 25 |
| Total intensity aeromagnetic map of Arizona and residual aeromagnetic map of Arizona, both by W. A. Sauck and John S. Sumner, scale 1:1,000,000, 1970.. (Copies available from the Laboratory of Geophysics, Dept. of Geosciences, Univ. of Arizona, Tucson, AZ 85721) | 26 |
| Lithologic, geophysical, and mineral commodity maps of Precambrian rocks in Wisconsin, by C. E. Dutton and R. E. Bradley, 15 p., 6 sheets, aeromagnetic map scale 1:500,000, I-631, 1970..... | 27 |

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| Interpretation of an aeromagnetic strip across the northwestern United States, by Isidore Zietz and others, scale 1:2,500,000, Geol. Soc. Am. Bull., v. 82, no. 12, p. 3347-3372, 1971..... | 28 |
| Northeastern United States regional aeromagnetic maps, by Isidore Zietz, Francis Gilbert, and J. R. Kirby, 13 sheets, scale 1:250,000, OF Rept. 72-459, 1972..... (Copies on file at 1) | 29 |
| Aeromagnetic map of Colorado, by Isidore Zietz and J. R. Kirby, scale 1:500,000, GP-836, 1972..... | 30 |
| Aeromagnetic map of Colorado, (in color), by Isidore Zietz and J. R. Kirby, scale 1:1,000,000, GP-880, 1972..... | 30 |
| Western north Atlantic Ocean; topography, rocks, structure, water, life, and sediments, by K. O. Emery and E. Uchupi, 523 p., Am. Assoc. Pet. Geol. Mem. 17, 1972..... | 18 & 31 |
| Gravity and magnetic evidence of lithology and structure in the Gulf of Maine region, by M. F. Kane and others, 22 p., 2 sheets, scale 1:1,000,000, Prof. Paper 726-B, 1972..... | 32 |
| Offshore extension of the Clinton-Newbury and Bloody Bluff fault systems of northeastern Massachusetts, by R. W. Simpson, A. F. Shride, and W. A. Bothner, Virginia Polytech. Inst., Dept. Geol. Sciences, Mem. 2, p. 229-233, 1980..... | 32 |
| A new geophysical criterion to correlate the Acadian and Hercynian orogenies of western Europe and eastern America, by Jean-Pierre Lefort, Geol. Soc. Am., Mem. 158, p. 3-18, 1983..... (Area covered is less to the south and greater to the northeast than shown) | 32 |
| Basement geology of the Lake Michigan area from aeromagnetic studies, by N. W. O'Hara and W. J. Hinze, Geol. Soc. Am. Bull., v. 83, no. 6, p. 1771-1786, 1972..... | 33 |
| Great Lakes region gravity and magnetic map sequence: Lake Michigan area, by N. W. O'Hara, 12 p., 2 sheets, scale 1:750,000, Geol. Soc. Am. Map and Chart Series MC-38, 1981..... (Copies available from 5) | 33 |
| Aeromagnetic map of Michigan and the adjacent Great Lakes, (in color), by Isidore Zietz and others, scale 1:1,000,000, GP-894, 1974..... | 34 |
| Aeromagnetic map of Connecticut, by Isidore Zietz and others, scale 1:125,000, GP-897, 1974..... | 35 |
| Geophysical studies in the Gulf of Mexico, by R. G. Martin and J. E. Case, <u>in</u> The ocean basins and margins; The Gulf of Mexico and the Caribbean, A. E. M. Nairn, ed., Plenum Press, p. 65-106, 1975..... | 36 |

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| Geologic framework of northern and eastern continental margins, Gulf of Mexico, by R. G. Martin, <u>in</u> Beyond the Shelf Break, A. H. Bouma, ed., Am. Assoc. Pet. Geol. Short Course v. 2, p. A1-A28, 1976..... | 36 |
| (Covers slightly smaller area than shown) | |
| The opening of the Gulf of Mexico; implications for the tectonic evolution of the northern Gulf Coast, by R. H. Pilger, Jr., Trans., Gulf Coast Assoc. Geol. Soc., v. 31, p. 377-381, 1981..... | 36 |
| Interpretation of aeromagnetic anomalies between latitudes 37°N and 38°N in the eastern and central United States, by Edward G. Lidiak and Isidore Zietz, 37 p., scale 1:2,500,000, Geol. Soc. Am. Spec. Paper 167, 1976..... | 37 |
| Aeromagnetic maps of Atlantic continental margin, scale 1:250,000, MF-752-A through H, 1976..... | 38a-h |
| (Areas A through H are available individually and are labelled on index map as 38a, 38b, etc.) | |
| Aeromagnetic map of Utah, (in color), by Isidore Zietz, Ralph Shuey, and J. R. Kirby, scale 1:1,000,000, GP-907, 1976..... | 39 |
| Aeromagnetic map of Iowa, by U.S. Geol. Survey and Iowa Geol. Survey, scale 1:500,000, GP-910, 1976..... | 40 |
| Aeromagnetic map of Iowa: Color coded intensities, by Isidore Zietz, F. P. Gilbert, and J. R. Kirby, scale 1:1,000,000, GP-911, 1976..... | 40 |
| Geologic interpretations of an aeromagnetic map of southern New England, by D. S. Harwood and Isidore Zietz, scale 1:250,000, GP-906, 1976(1977)... | 41 |
| Aeromagnetic lineament map of southern New England showing relation of lineaments to bedrock geology, by P. J. Barosh and others, scale 1:250,000, MF-885, 1977..... | 41 |
| Aeromagnetic map of Nevada, by Isidore Zietz and others, 2 sheets, scale 1:500,000, MF-902, 1977..... | 42 |
| Aeromagnetic map of Nevada: Color coded intensities, by Isidore Zietz, F. P. Gilbert, and J. R. Kirby, scale 1:1,000,000, GP-922, 1978..... | 42 |
| Composite aeromagnetic map of Nevada, by R. Sweeney and others, 2 sheets, scale 1:500,000, OF Rept. 78-695, 1978..... | 42 |
| (Copies on file at 1, 2, 3 and other locations) | |
| East-west patterns of Cenozoic igneous rocks, aeromagnetic anomalies, and mineral deposits, Nevada and Utah, by John Stewart, William J. Moore, and Isidore Zietz, Geol. Soc. Am. Bull., v. 88, no. 1, p. 67-77, 1977..... | 39 & 42 |
| Aeromagnetic map of Virginia, by Isidore Zietz and others, scale 1:500,000, GP-915, 1977(1978)..... | 43 |

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| Aeromagnetic map of Virginia, (in color), by Isidore Zietz and others, scale 1:1,000,000, GP-916, 1977..... | 43 |
| The New York-Alabama lineament: Geophysical evidence for a major crustal break in the basement beneath the Appalachian basin, by Elizabeth R. King and Isidore Zietz, <i>Geology</i> , v. 6, no. 5, p. 312-318, 1978..... | 44 |
| Geologic interpretation of aeromagnetic maps of the Coastal Plain region of South Carolina and parts of North Carolina and Georgia, by D. L. Daniels and Isidore Zietz, 4 sheets, scale 1:500,000, OF Rept. 78-261, 1978..... (Copies on file at 1, 2, 3) | 45 |
| Regional geophysical setting of the Rio Grande Rift, by L. Cordell, <i>Geol. Soc. Am. Bull.</i> , v. 89, no. 7, p. 1073-1090, 1978..... | 46 |
| Regional magnetic patterns in part of the Cordillera in the Western United States, by Don R. Mabey and others, scale 1:2,500,000, <i>Geol. Soc. Am.</i> <i>Mem.</i> 152, p. 93-106, 1978..... | 47 |
| Aeromagnetic and generalized geologic map of parts of central California, by M. C. Blake, Jr., Isidore Zietz, and D. L. Daniels, scale 1:1,000,000, GP-918, 1978..... | 48 |
| Aeromagnetic map of Idaho, scale 1:500,000, GP-919, 1978..... | 49 |
| Aeromagnetic map of Idaho: Color coded intensities, by Isidore Zietz, F. P. Gilbert, and J. R. Kirby, scale 1:1,000,000, GP-920, 1978..... | 49 |
| Aeromagnetic map of West Virginia, scale 1:250,000, GP-921, 1978..... | 50 |
| Aeromagnetic map of Maryland, by Isidore Zietz, F. P. Gilbert, and J. R. Kirby, scale 1:250,000, GP-923, 1978..... | 51 |
| Aeromagnetic map of Pennsylvania, 2 sheets, scale 1:250,000, GP-924, 1978... | 52 |
| Summary report of the sediments, structural framework, petroleum potential, and environmental conditions of the United States northeastern Atlantic continental margin, by J. S. Schlee and others, 52 p., OF Rept. 79-674, 1979..... (Copies on file at 1, 2, 3) | 53 |
| Basement structure, sedimentation, and tectonic history of the Georges Bank basin, by K. D. Klitgord, J. S. Schlee, and Karl Hinz, <i>U.S.G.S. Circ.</i> 861, p. 160-186, 1982..... | 53 |
| Aeromagnetic map of the central part of the Gulf of Maine, scale 1:250,000, OF Rept. 79-1198, 1979..... (Copies on file at 1, 2, 3) | 54 |
| Aeromagnetic map and associated depth map of the Upper Mississippi Embayment region, by T. G. Hildenbrand and others, scale 1:1,000,000, MF-1158, 1979. | 55 |

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| Structural significance of lineament and aeromagnetic patterns in the Mississippi Embayment, by D. W. O'Leary and T. G. Hildenbrand, Proc. Internat. Conf. Basement Tectonics, no. 3, p. 305-313, 1981..... | 55 |
| Magnetic basement in the upper Mississippi Embayment region--A preliminary report, by T. G. Hildenbrand, M. F. Kane, and J. D. Hendricks, <u>in</u> Prof. Paper 1236: Investigations of the New Madrid, Missouri, earthquake region, p. 37-53, 1982..... | 55 |
| Rift structure of the northern Mississippi Embayment from the analysis of gravity and magnetic data, by T. G. Hildenbrand, <u>in</u> Proceedings of the symposium on the New Madrid seismic zone, OF Rept. 84-770, p.168-203, 1984 (Copies on file at 1, 2, 3) | 55 |
| The following open-files are titled: Aeromagnetic survey of the east coast of the United States, Georges Bank area _____, by J. C. Behrendt and K. D. Klitgord, are at scale 1:250,000, and copies are on file at 1, 2, 3: | |
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| area 40-66, OF Rept. 79-1361, 1979..... | 60 |
| area 40-70, OF Rept. 79-1362, 1979..... | 61 |
| High resolution aeromagnetic anomaly map of the U.S. Atlantic continental margin, by J. C. Behrendt and K. D. Klitgord, 2 sheets, scale 1:1,000,000, GP-931, 1979..... | 62 |
| High-sensitivity aeromagnetic survey of the U.S. Atlantic continental margin, by John C. Behrendt and Kim D. Klitgord, Geophysics, v. 45, no. 12, p. 1813-1846, 1980..... | 62 |
| Description of digital aeromagnetic data, U.S. Atlantic continental margin, survey of 1074-1976, by M. S. Grim, J. C. Behrendt, and K. D. Klitgord, 11 p. 1, sheet, OF Rept. 82-189, 1982..... (Copies on file at 1, 2, 3) | 62 |
| Structural elements of the U.S. Atlantic margin delineated by second vertical derivative of aeromagnetic data, by J. C. Behrendt and M. S. Grim, scale 1:2,500,000, GP-956, 1983..... | 62 |
| Structure of the U.S. Atlantic continental margin from derivative and filtered maps of the magnetic field, by J. C. Behrendt and M. S. Grim, <u>in</u> The utility of regional gravity and magnetic anomaly maps, W. J. Hinze, ed., Soc. Explor. Geophys., p. 339-346, 1985..... | 62 |

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| An integrated geophysical and geological study of the tectonic framework of the 38th Parallel Lineament in the vicinity of its intersection with the extension of the New Madrid Fault Zone, by L. W. Braile and others, U.S. Nuclear Reg. Comm. Rept. NUREG/CR-1014, 1979..... | 63 |
| (Two papers discuss aeromagnetism in the area shown) | |
| An integrated geophysical and geological study of the tectonic framework of the 38th Parallel Lineament in the vicinity of its intersection with the extension of the New Madrid Fault Zone, by L. W. Braile and others, U.S. Nuclear Reg. Comm. Rept. NUREG/CR-0977, 1980..... | 63 |
| Model for assessing earthquake potential and fault activity in the New Madrid seismic zone, by D. P. Russ, <u>in</u> Proc., Earthquakes and earthquake engineering; the eastern United States, V. I, J. E. Beavers, ed., Ann Arbor Sci. Pub., p. 309-335, 1981..... | 63 |
| The northeastern extension of the New Madrid seismic zone, by L. W. Braile and others, <u>in</u> Prof. Paper 1236: Investigations of the New Madrid, Missouri, earthquake region, p. 173-184, 1982..... | 63 |
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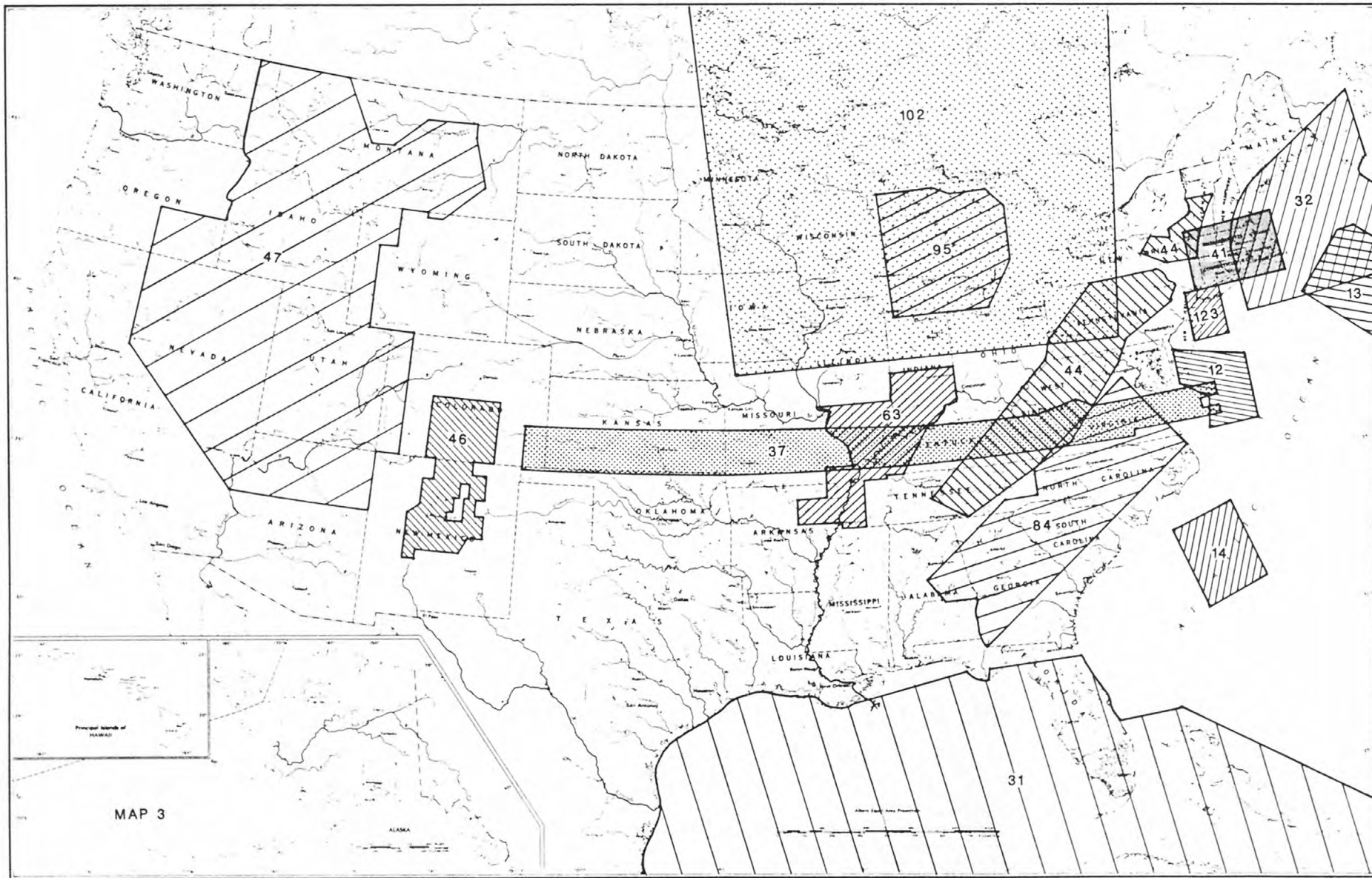
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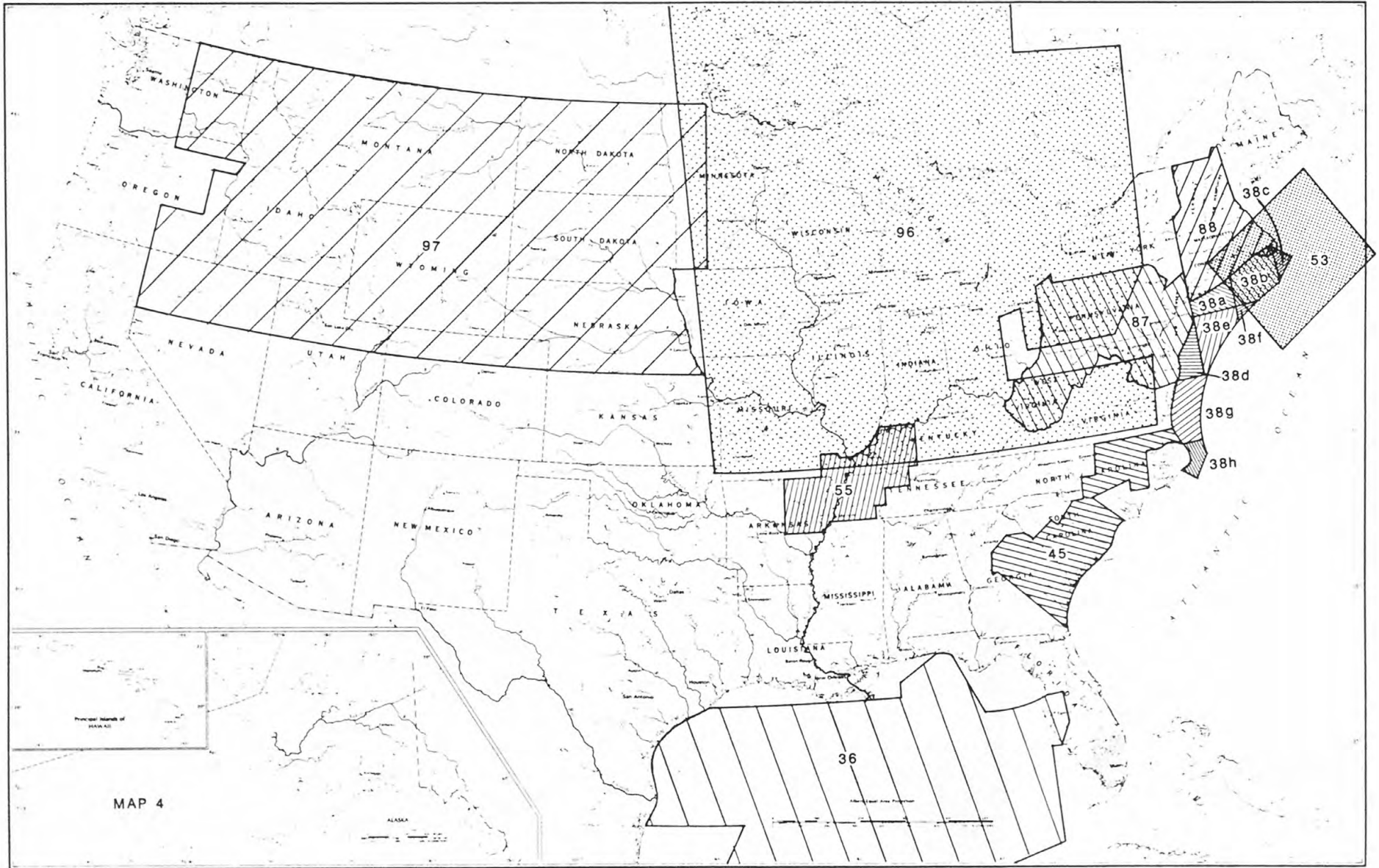
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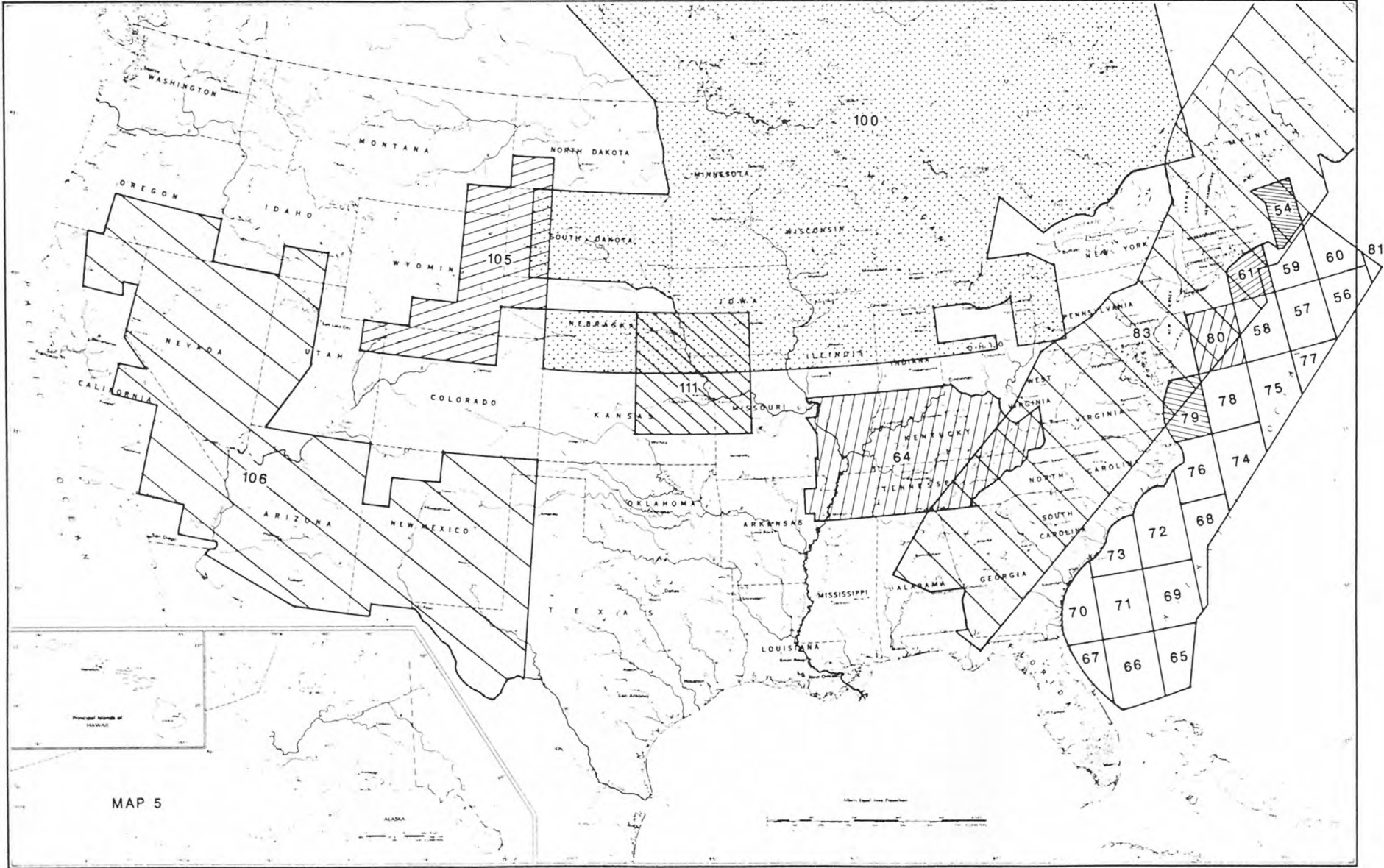
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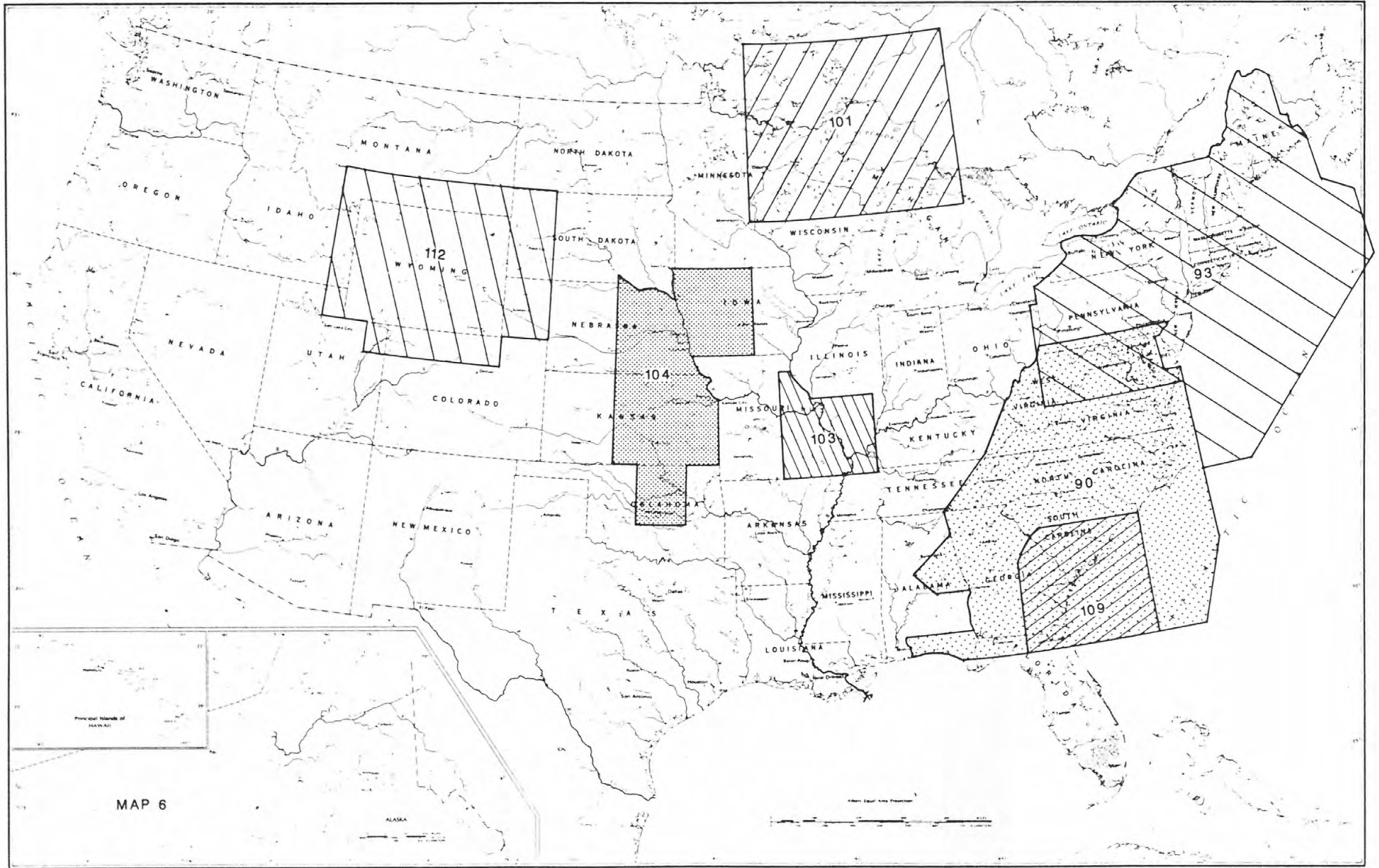
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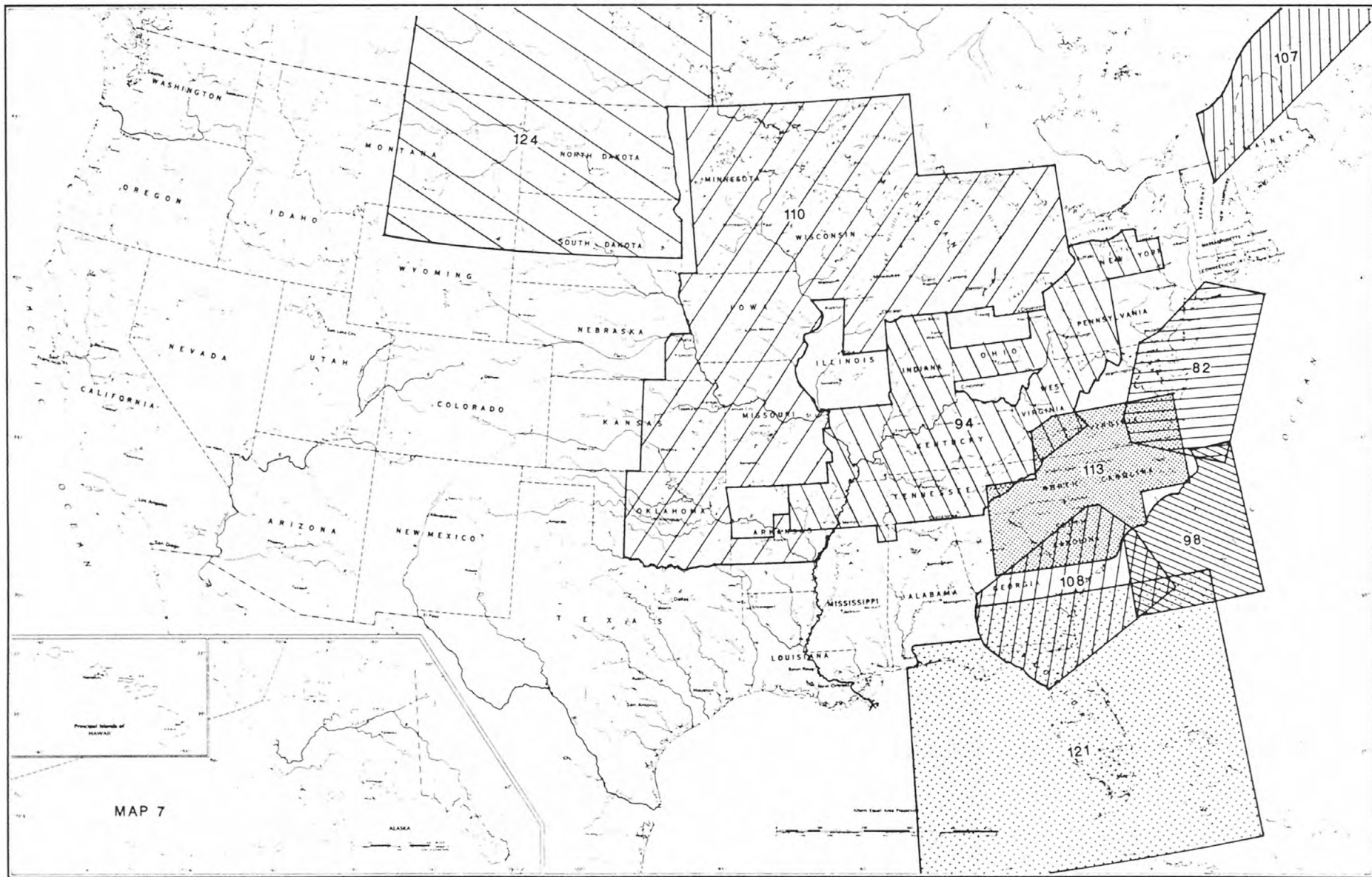


MAP 4





MAP 6



MAP 7

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