

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Bibliographies and location maps of publications on
aeromagnetic and aeroradiometric surveys for the states west
of approximately 104° longitude (exclusive of Hawaii and Alaska)

by

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Open-File Report 91-370-A

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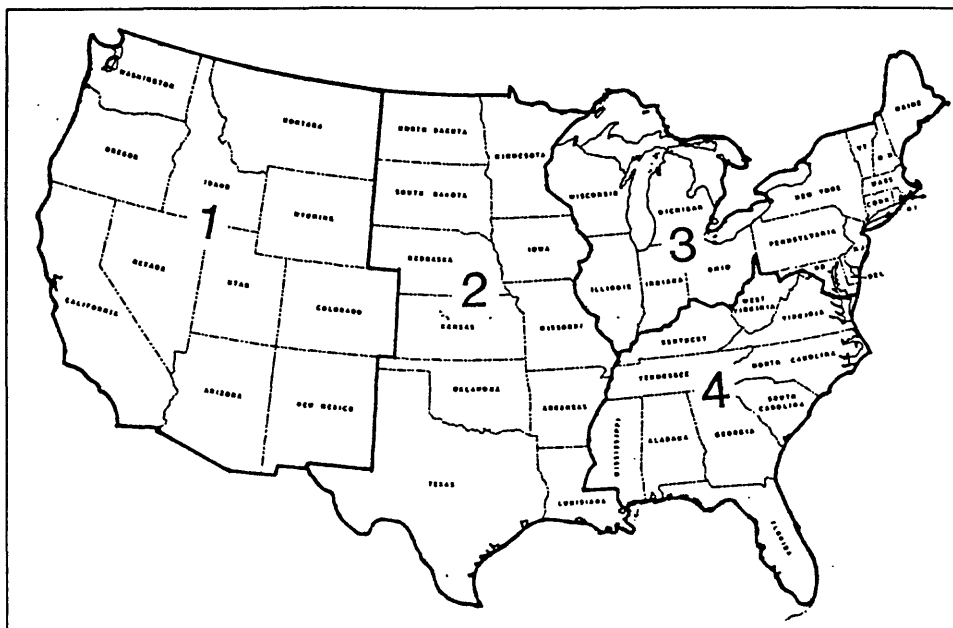
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GENERAL INFORMATION FOR THE
AEROMAGNETIC AND AERORADIOMETRIC INDEXES

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
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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).

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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).

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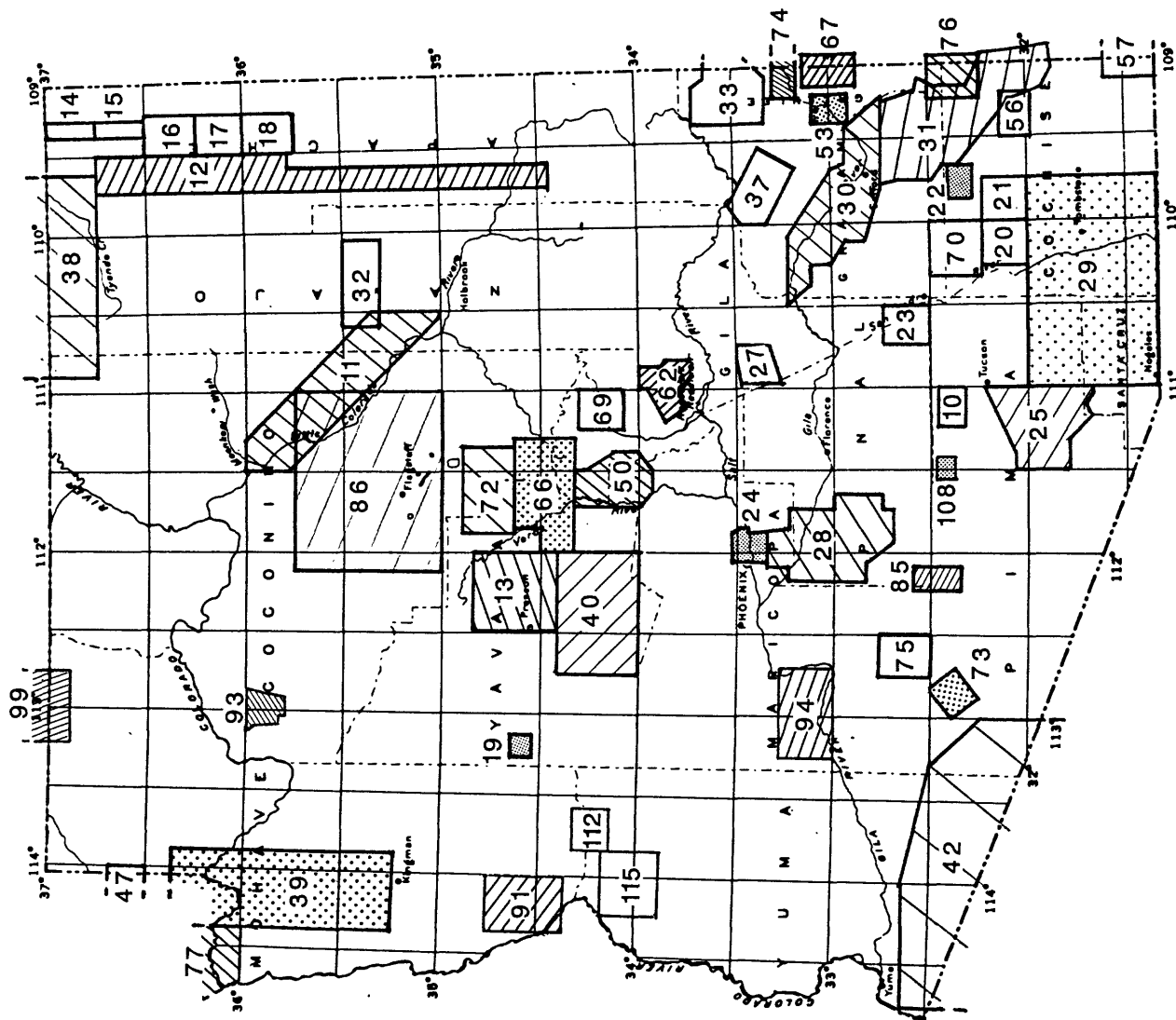
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1. U.S.G.S. Library, Rm. 4-A-100, 12201 Sunrise Valley Dr., Reston, VA 22092
2. U.S.G.S. Library, Rm. C2002, Bldg. 20, Federal Center, Box 25046, Stop 914, Denver, CO 80225
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4. P.I.O., Rm. 169, Federal Bldg., 1961 Stout St., Denver, CO 80294
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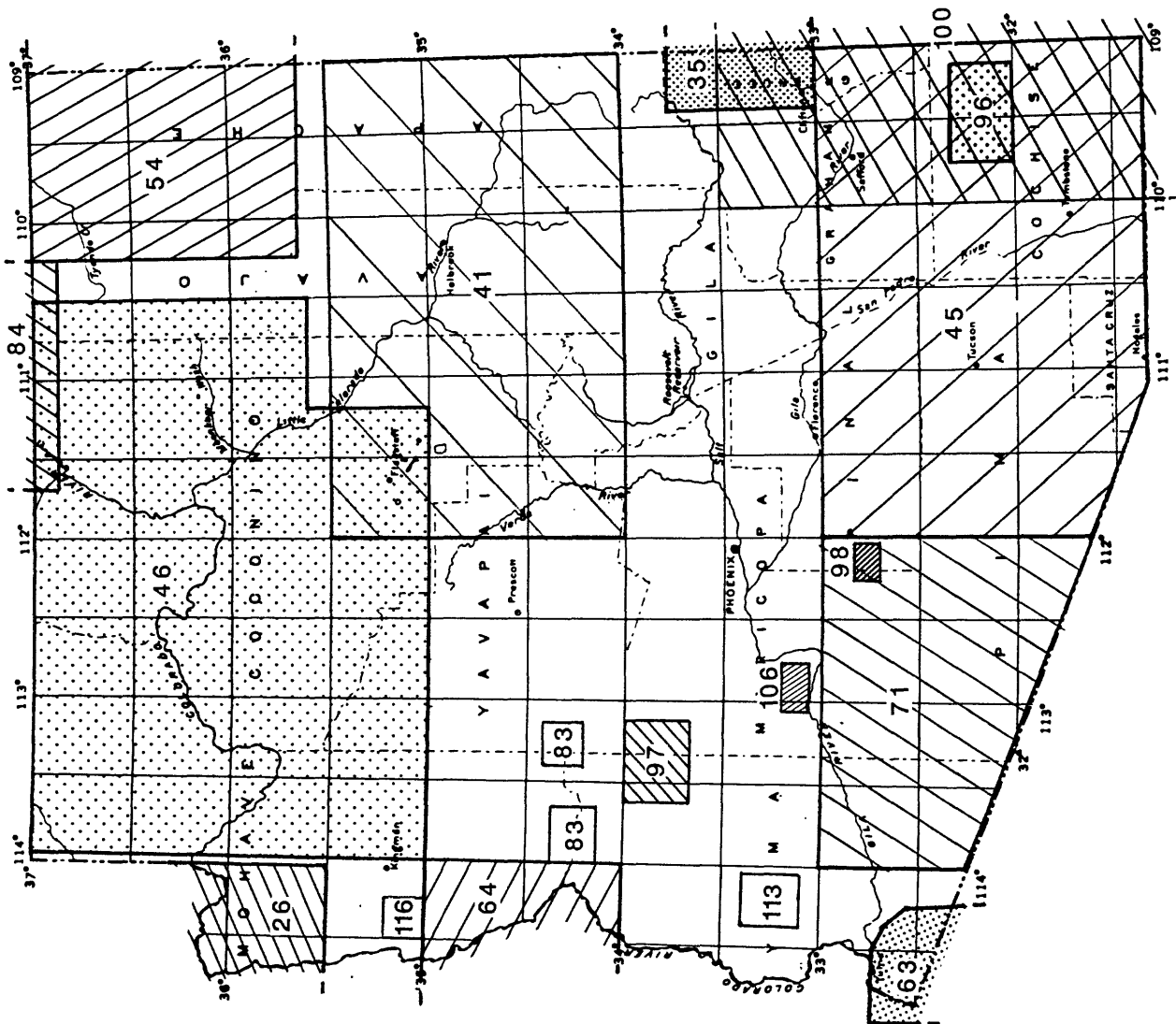
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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

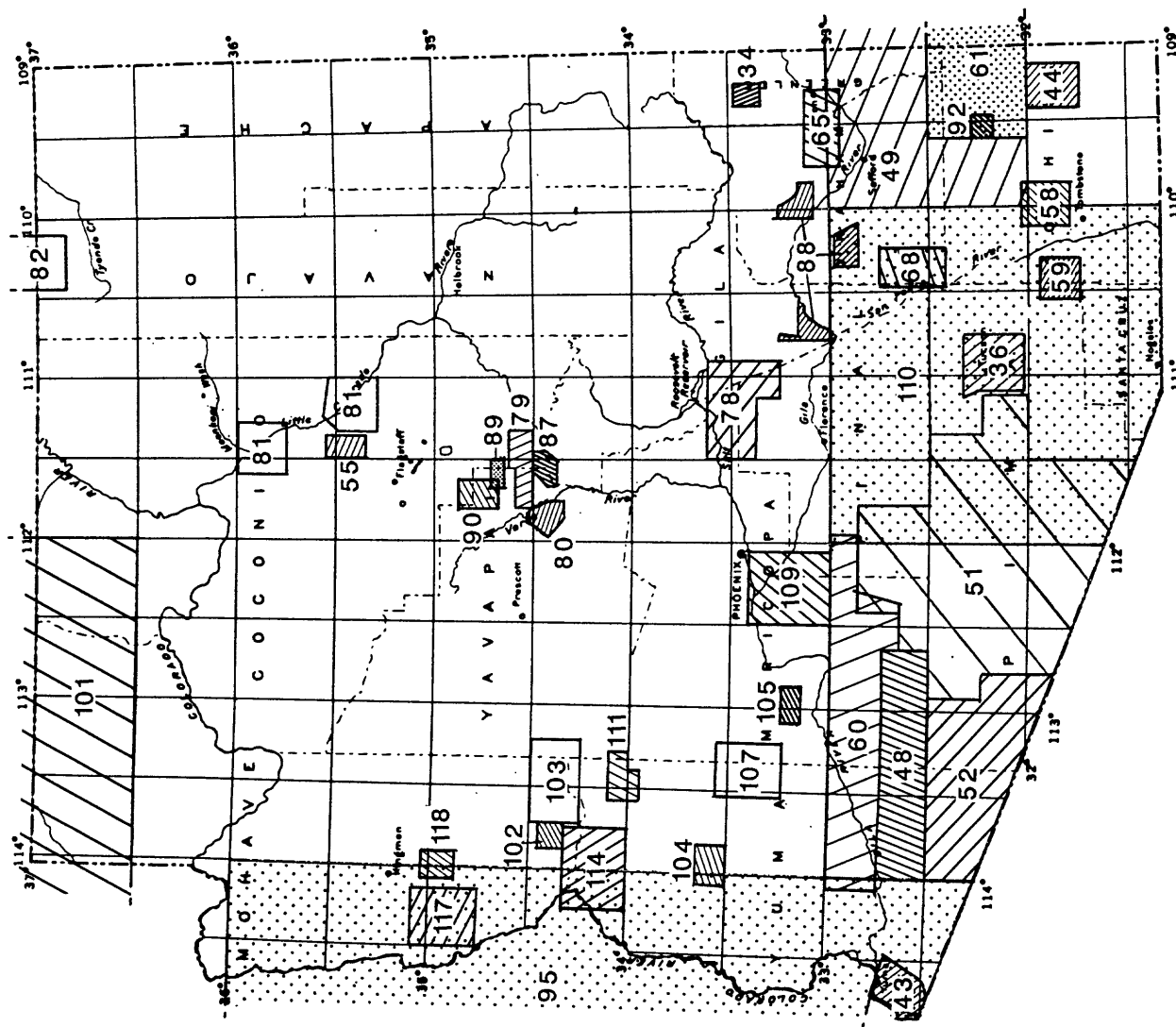


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Aeromagnetic map of the Bighorn area, California, 2 sheets, scale 1:62,500, OF Rept. 82-664, 1982.....	108
Aeromagnetic measurements in the Cascade Range and Modoc Plateau of northern California, report on work done from June 1, 1980, to November 30, 1980, by Richard Couch and Michael Gemperle, 26 p., OF Rept. 82-932, 1982.....	105,109, & 110
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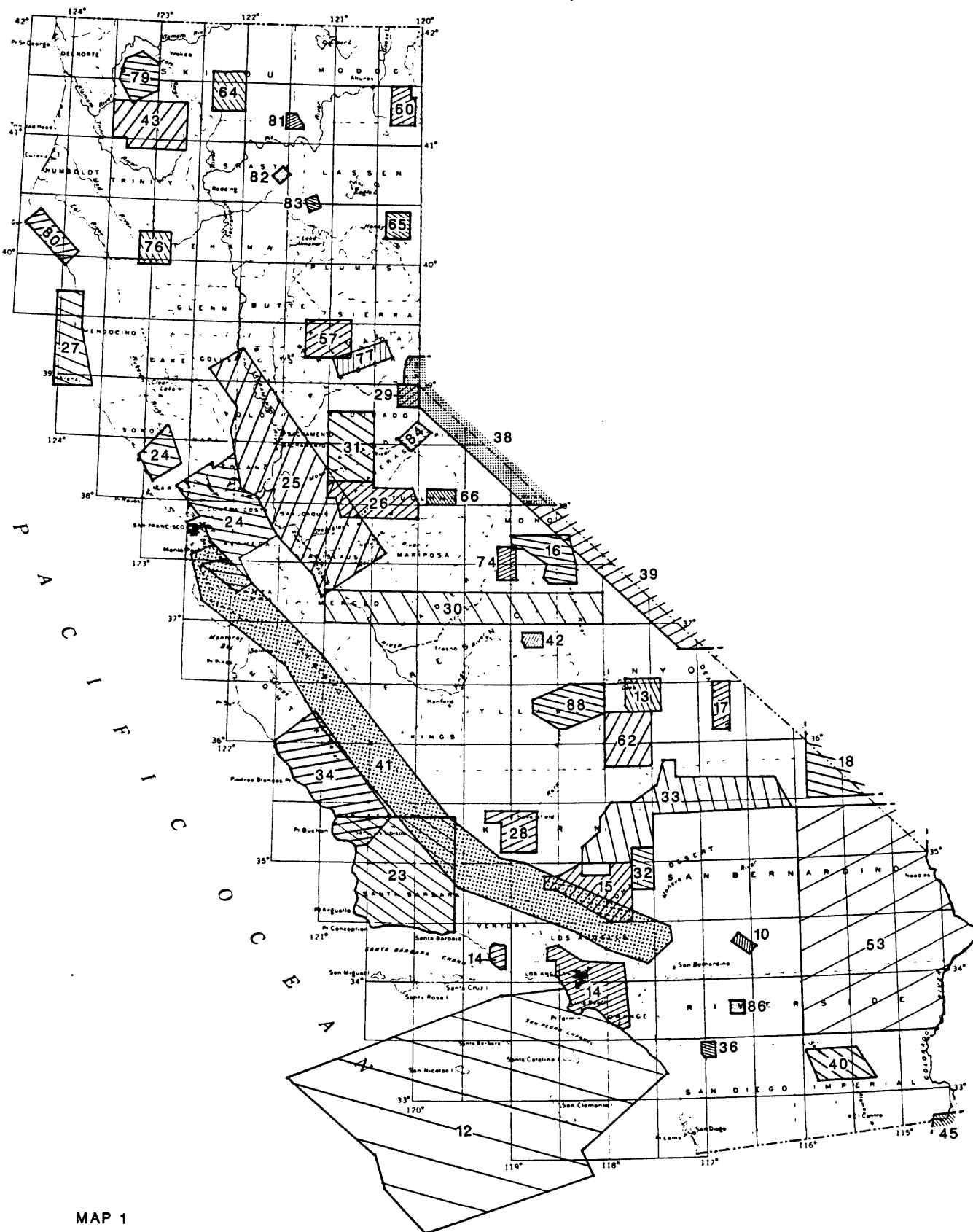
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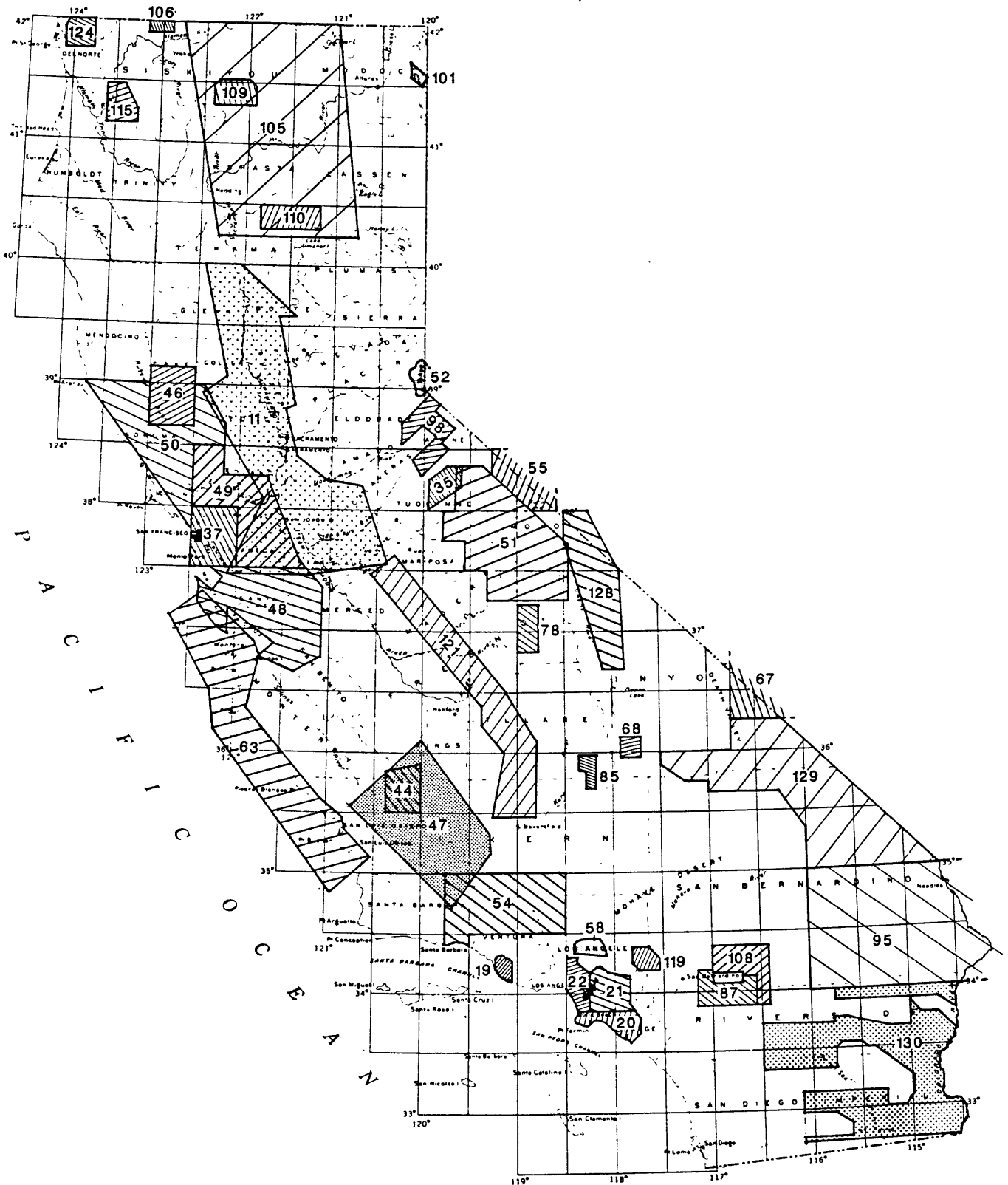
U.S.G.S. open-file reports for California are available for viewing at 1, 2, 3, 4, 5, and usually 6, 7, and 8. Additional locations for viewing reports which overlap into adjacent states are listed in that state's index.

California open-file reports, maps, special reports, etc. are available from 9. They are not available from the U.S.G.S.

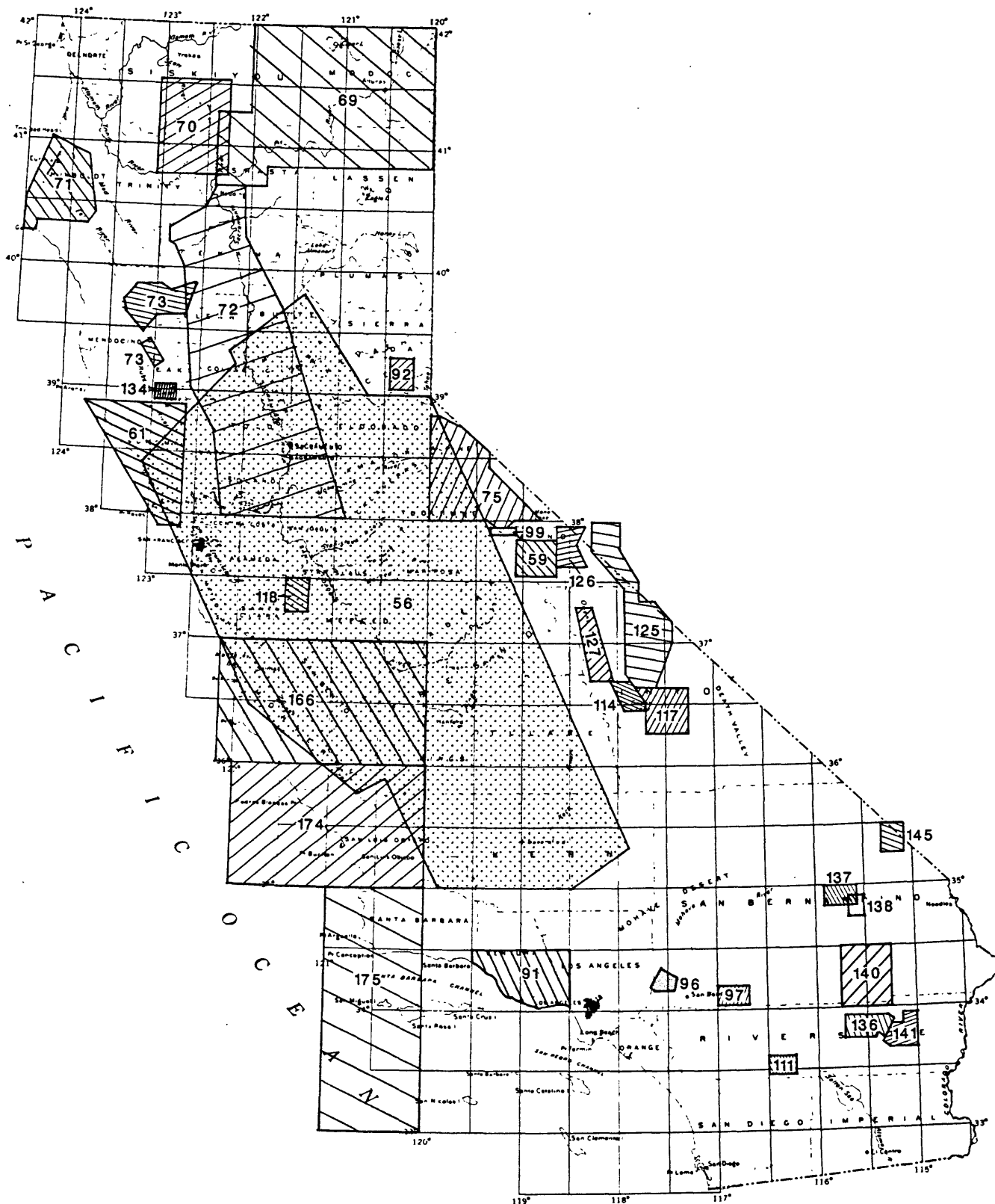
1. U.S.G.S. Library, Rm. 4-A-100, 12201 Sunrise Valley Dr., Reston, VA 22092
2. U.S.G.S. Library, Rm. C2002, Bldg. 20, Federal Center, Box 25046, Stop 914, Denver, CO 80225
3. U.S.G.S. Library, 345 Middlefield Rd., Menlo Park, CA 94025
4. P.I.O., Rm. 7638, Federal Bldg., 300 N. Los Angeles St., Los Angeles, CA 90012
5. P.I.O., Rm. 504, Custom House, 555 Battery St., San Francisco, CA 94111
6. California Div. of Mines and Geol., 367 Civic Dr., Pleasant Hill, CA 94523
7. California Div. of Mines and Geol., 107 S. Broadway, Los Angeles, CA 90012
8. California Div. of Mines and Geol., 2815 O St., Sacramento, CA 95816
9. California Div. Mines and Geol., P.O. Box 2980, Sacramento, CA 95812
10. N.T.I.S., 5285 Port Royal Rd., Springfield, VA 22161



MAP 1

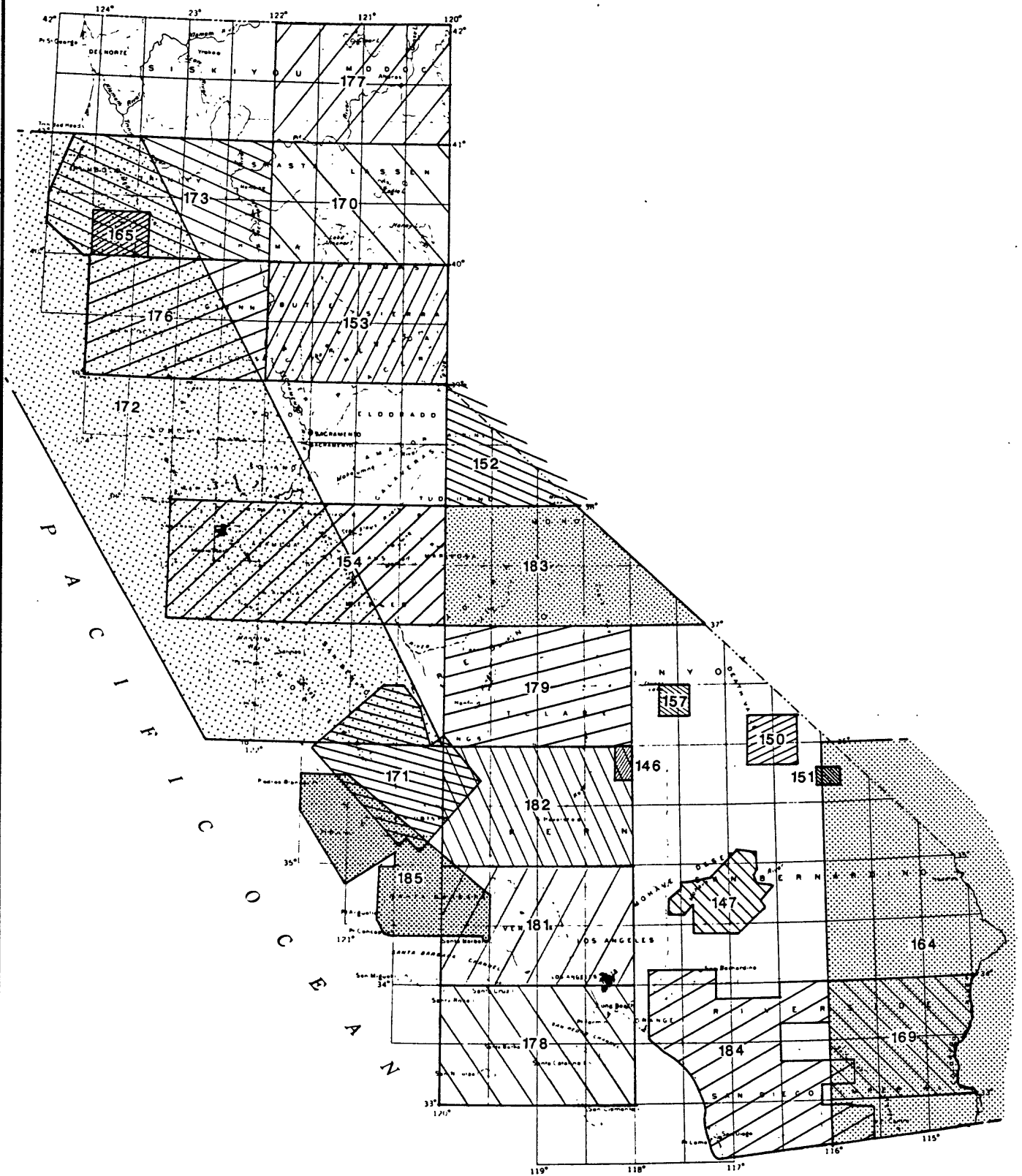


MAP 2



MAP 3

MAP 4



MAP 5

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Gravity and aeromagnetic exploration in the Paradox basin, by N. C. Steenland, Geophysics, v. 27, no. 1, p. 73-89, 1962.....	14
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Aeromagnetic map of Colorado, by Isidore Zietz and J. R. Kirby, Jr., scale 1:500,000, GP-836, 1972.....	whole state
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Airborne gamma-ray spectrometer and magnetometer survey, Platoro Caldera detail survey, Durango Quadrangle, by Aero Service Corp., 2 vols., scale 1:62,500, U.S. Dept. Energy, Grand Junction Office Rept. GJBX-058(80), 1980.....	42
Aerial gamma ray and magnetic survey, Montrose detail projects, Colorado, by EG&G Geometrics Inc., 6 vols., scale 1:62,500, U.S. Dept. Energy, Grand Junction Office Rept. GJBX-212(80), 1980.....	43, 44, 45, 46, & 47
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Contour maps of uranium, uranium-thorium ratio, and total field magnetics, Lake City area, San Juan Mountains, Colorado, by W. D. Heran, 40 p., 33 sheets, scale 1:24,000, OF Rept. 81-568, 1981.....	48
Interpretation of aerial radiometric data for the Lake City Caldera and vicinity, Hinsdale, San Juan, and Ouray counties, Colorado, by J. A. Pitkin and J. S. Duval, scale 1:100,000, MF-1449, 1982.....	48
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Slides showing aeromagnetic and gravity data for regional mineral exploration in Colorado, New Mexico, and Arizona, by D. P. Klein, 10 p., 5 35-mm slides, OF Rept. 83-443, 1983.....	56
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Geologic interpretation of gravity and magnetic data in the Salida region, Colorado, by J. E. Case and R. F. Sikora, 49 p., 3 sheets, scale 1:125,000, OF Rept. 84-372, 1984.....	62
Geochemical characterization of the Mt. Harvard 15-minute Quadrangle, Colorado, using NURE Data, by J. R. Ludlam, 26 p., U. S. Dept. Energy, Grand Junction Office Rept. GJBX-006(84), 1984..... (Contains an aeromagnetic map)	63
Geophysical maps of the Vasquez Peak Wilderness Study Area and the Williams Fork and St. Louis Peak Roadless Areas, Clear Creek, Grand, and Summit counties, Colorado, by C. K. Moss and Gerda Abrams, 2 sheets, scale 1:50,000, MF-1588-D, 1985.....	64
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Mineral resources of the Browns Canyon Wilderness Study Area, Chaffee County, Colorado, by A. M. Leibold and others, 14 p., Bulletin 1716-C, 1986.....	68
Aeromagnetic map of the Holy Cross Wilderness Area, Eagle, Lake, and Pitkin counties, Colorado, by D. L. Campbell and A. R. Wallace, scale 1:100,000, MF-1841-B, 1986.....	69
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Mineral resources of the Black Ridge Canyons Wilderness Study Area, Mesa County, Colorado, and Grand County, Utah, and Westwater Canyon Wilderness Study Area, Grand County, Utah, by R. P. Dickerson and others, 24 p., Bulletin 1736-C, 1988..... (Extends into Utah and covers somewhat larger area than shown.)	70
Aeromagnetic map of the Creede mining district, southwestern Colorado, scale 1:50,000, OF Rept. 87-422, 1987.....	71
Aeromagnetic map of part of the San Juan Mountains, southwestern Colorado, scale 1:100,000, OF Rept. 87-423, 1987.....	72
Mineral resources of the Mount Zirkel Wilderness and northern Park Range vicinity, Jackson and Routt counties, Colorado, by G. L. Snyder, L. L. Patten, and J. J. Daniels, 236 p., Bulletin 1554, 1987.....	73
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Mineral resources of the Sewemup Mesa Wilderness Study Area, Mesa and Montrose counties, Colorado, by S. J. Soulliere and others, 13 p., Bulletin 1736-B, 1988.....	78

Mineral resource potential of Mount Massive Wilderness, Lake County, Colorado, by R. E. Van Loenen and others, 18 p., scale 1:100,000, Bulletin 1636, 1989.....	79
Mineral resources of the Gunnison Gorge Wilderness Study Area, Montrose and Delta counties, Colorado, by T. J. Armbrustmacher and others, 14 p., Bulletin 1715-D, 1989.....	80
Mineral resources of the Cross Mountain Wilderness Study Area, Moffat County, Colorado, by K. V. Evans and others, 17 p., Bulletin 1759-A, 1989.	81
Aeromagnetic maps of the Uinta and Piceance basins and vicinity, Utah and Colorado, by V. J. Grauch and J. L. Plesha, 2 sheets, scale 1:500,000, MF-2008-C, 1989..... (A gridded digital data tape is available from 8)	82
Mineral resources of the Tabeguache Creek Wilderness Study Area, Montrose County, Colorado, by R. P. Dickerson and others, 15 p., Bulletin 1715-E, 1990.....	83
Mineral resources of the Willow Creek and Skull Creek Wilderness Study Areas, Moffat County, Colorado, by R. E. Van Loenen and others, 20 p., Bulletin 1717-D, 1990.....	84

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Regional geophysical investigations of the Lisbon Valley area, Utah and Colorado, by P. E. Byerly and H. R. Joesting, 11 p., aeromagnetic map scale 1:125,000, Prof. Paper 316-C, 1959.

Regional geophysical studies in Salt Valley-Cisco area, Utah and Colorado, by H. R. Joesting and J. E. Case, Am. Assoc. Pet. Geol. Bull., v. 46, no. 10, p. 1879-1889, 1962.

Regional geophysical investigations in the La Sal Mountains area, Utah and Colorado, by J. E. Case, H. R. Joesting, and P. E. Byerly, 25 p., aeromagnetic map scale 1:125,000, Prof. Paper 316-F, 1963.

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Other publications of interest; not plotted on index maps:

Aeromagnetic and gravity profiles across the Uravan area, Colorado, by H. R. Joesting and P. E. Byerly, in Geology and economic deposits of east-central Utah, Intermtn. Assoc. of Pet. Geol. 7th Ann. Field Conf. Guidebook, p. 38-41, 1956.

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Gravity study of the San Juan Mountains, Colorado, by Donald Plouff and L. C. Pakiser, in Prof. Paper 800-B, p. 183-190, 1972. (Contains an aeromagnetic profile)

Geophysical evidence for a volcanic subsidence feature near Silver Cliff, Colorado, by M. Dean Kleinkopf and Donald L. Peterson, Geology, v. 5, no. 7, p. 445-447, 1977.

Geophysical methods for locating abandoned wells, by F. C. Frischknecht and others, 211 p., OF Rept. 83-702, 1983. (Parts of GP-557, ref. 15, are used) (Copies on file at 1, 2, 3)

Does draping aeromagnetic data reduce terrain-induced effects?, by V. J. S. Grauch and D. L. Campbell, Geophysics, v. 49, no. 1, p. 75-80, 1984. (A part of ref. 48 is shown)

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. Keeley, ed., Natl. Water Well Assoc., p. 306-329, 1984.

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. (Copies on file at 1, 2, 3)

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. (Copies on file at 1, 2, 3)

Airborne EM (INPUT)/magnetometer survey, State Line District, Colorado-Wyoming, by N. R. Paterson and D. A. MacFadyen, Trans., AIME v. 280, p. 1935-1942, 1986. (See Wyoming Index for location)

Mineral resources of the American Flats Wilderness Study Area, Ouray and Hinsdale counties, Colorado, by Ken Hon and others, 17 p., Bulletin 1715-A, 1987. (Shows a small portion of ref. 48)

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.

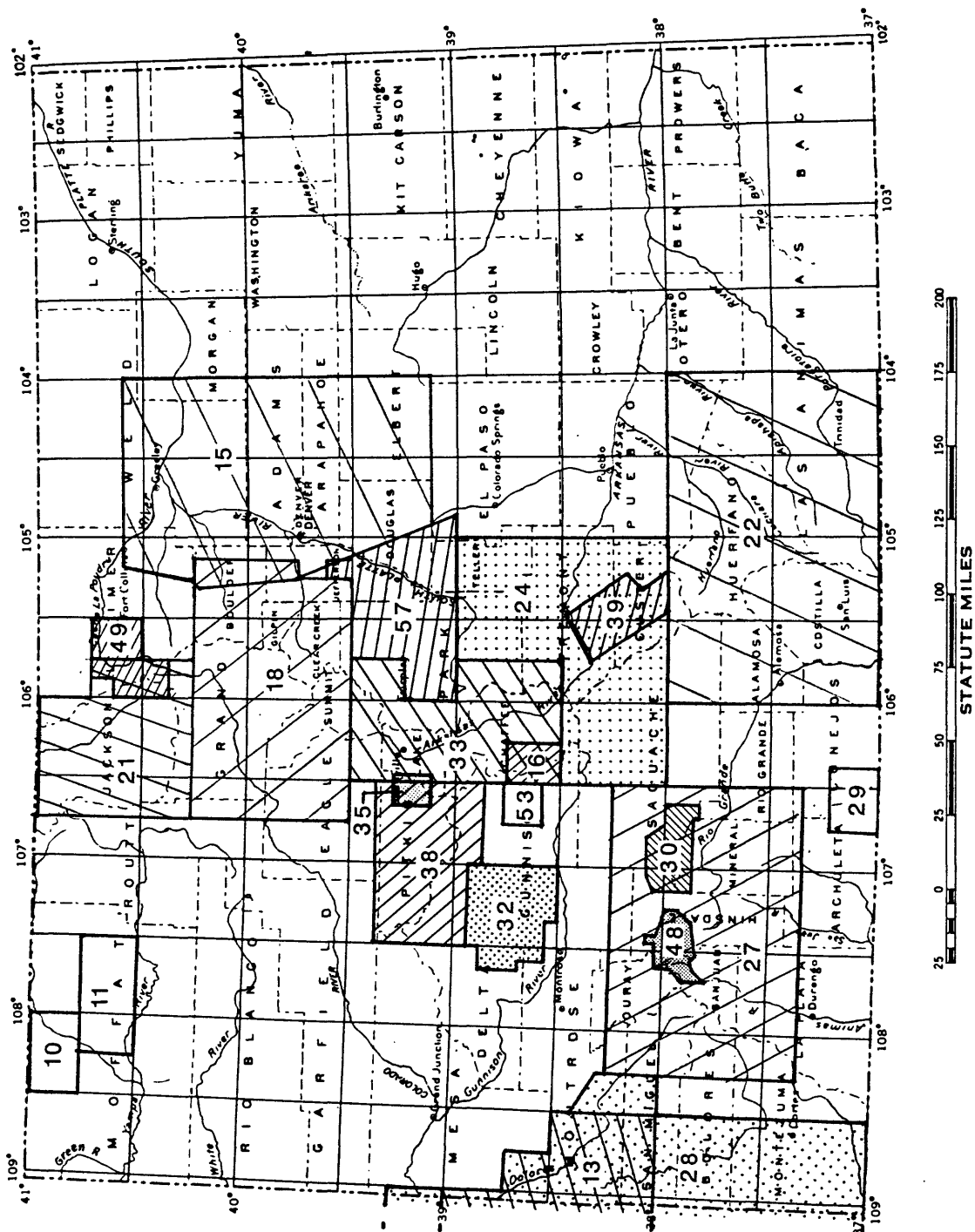
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U.S.G.S. open-file reports for Colorado are available for viewing at 1, 2, 3, 4, 5, and sometimes 6. Additional locations for viewing reports which overlap into adjacent states are listed in that state's index.

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. Colorado Geol. Survey, Rm. 715, 1313 Sherman St., Denver, CO 80203
7. N.T.I.S., 5285 Port Royal Rd., Springfield, VA 22161
8. N.G.D.C., NOAA, Code E/GC12, 325 Broadway, Boulder, CO 80303

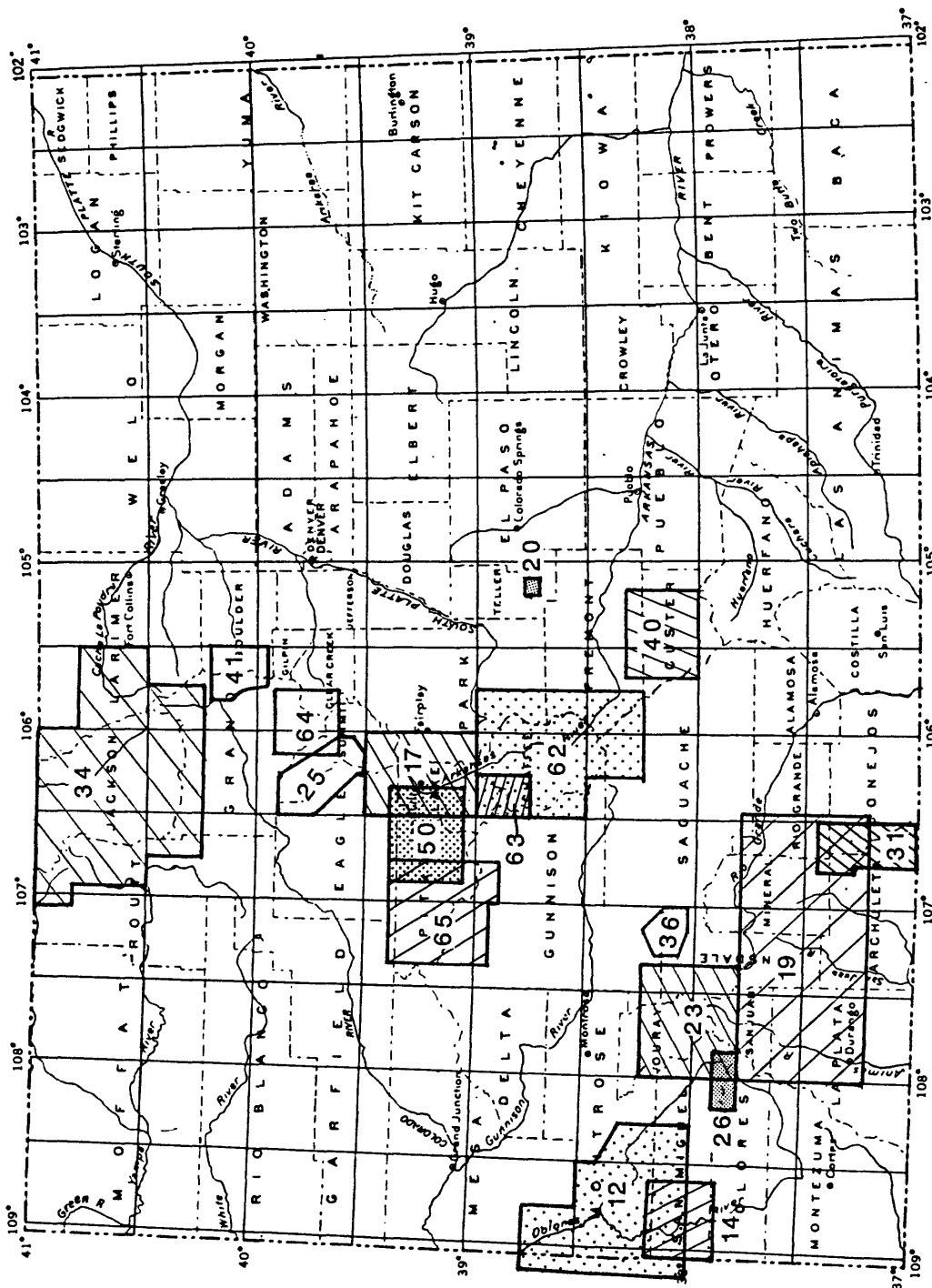
COLORADO

MAP 1



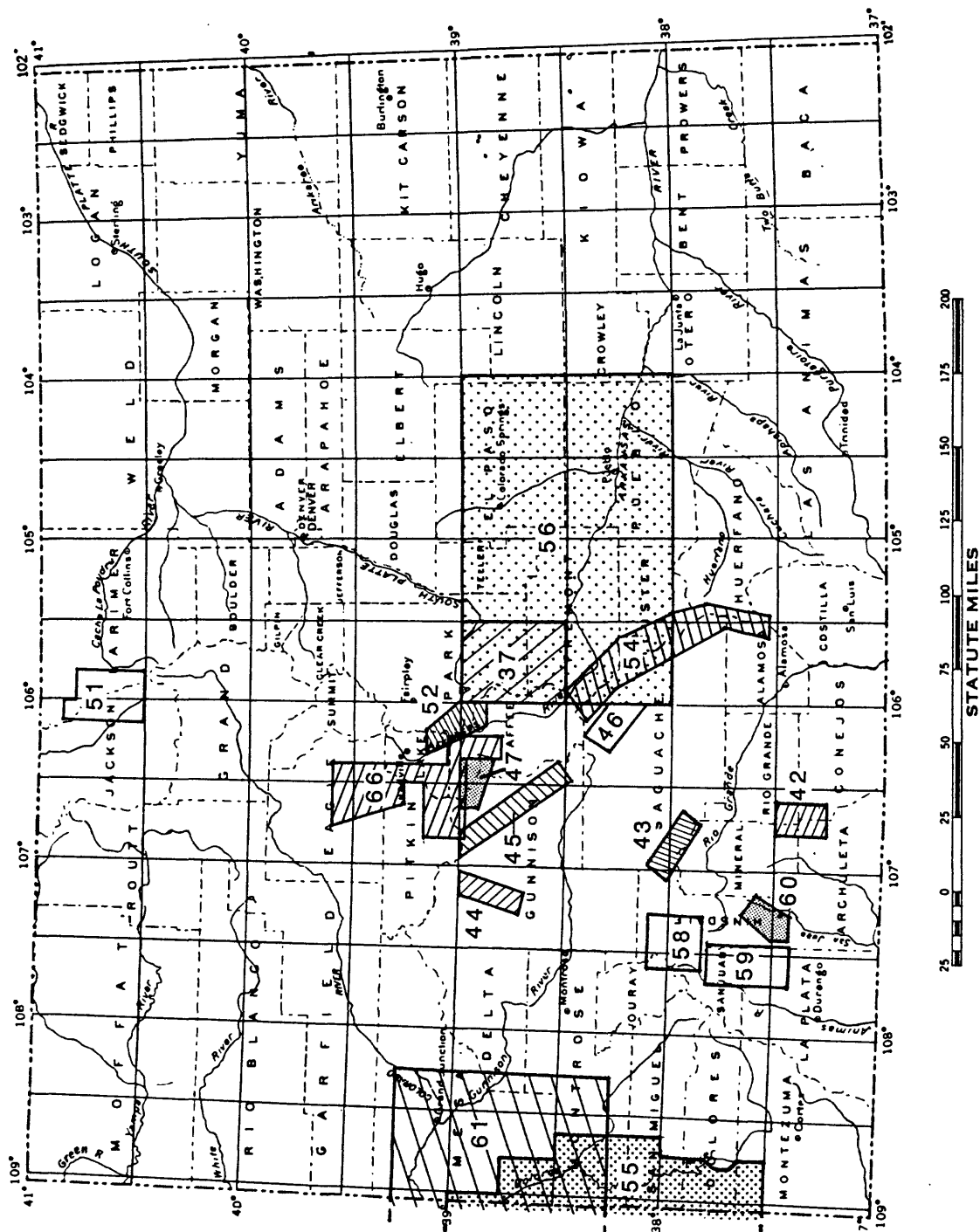
COLORADO

MAP 2



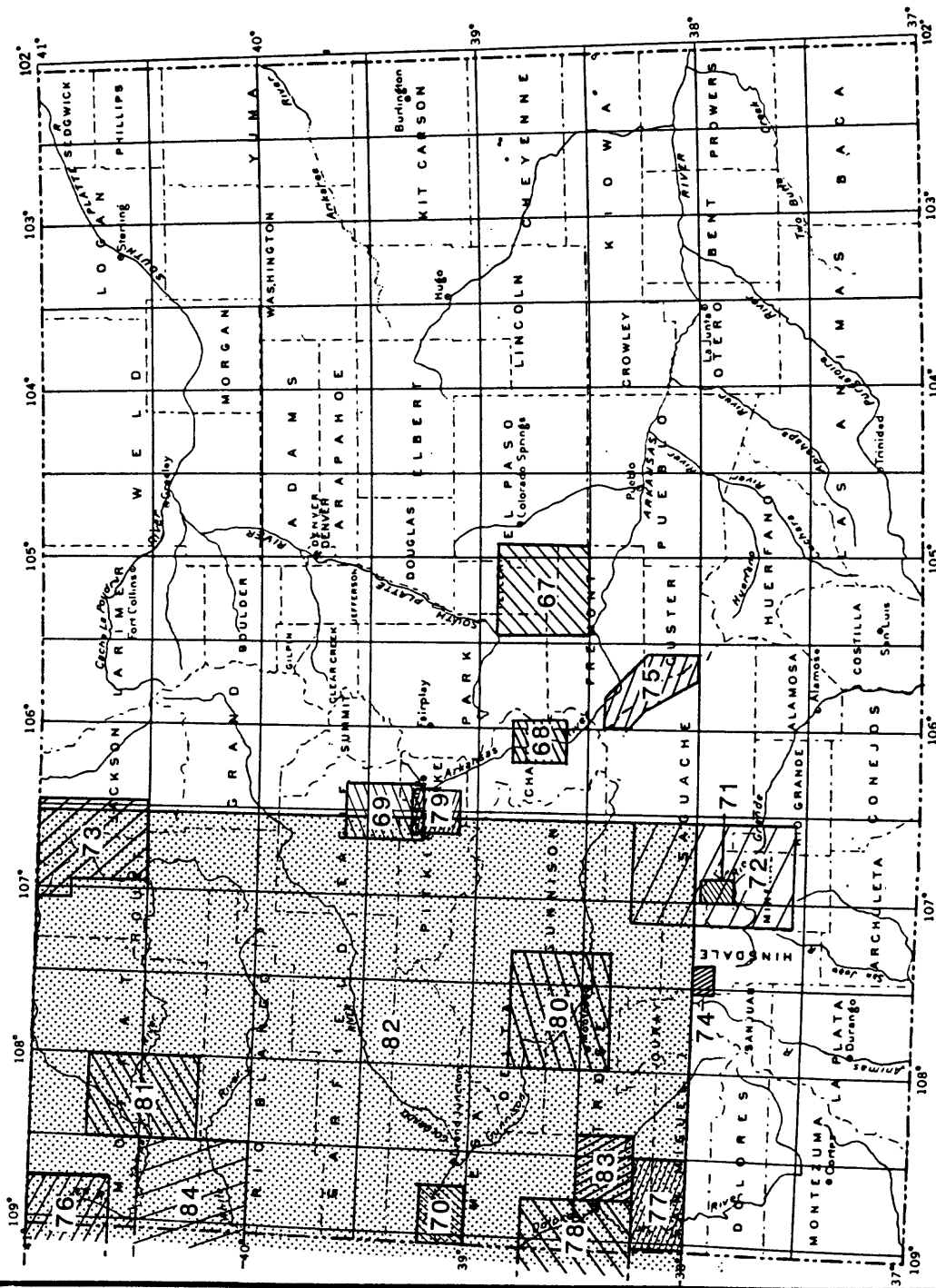
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MAP 3



COLORADO

TOPOGRAPHIC DIVISION
ROCKY MOUNTAIN REGION
DENVER, COLORADO



MAP 4



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Aeromagnetic map of the Pocatello-Soda Springs area, Bannock and Caribou counties, Idaho, by C. M. Mitchell, F. F. Knowles, and F. A. Petrafeso, scale 1:125,000, GP-521, 1965.....	13
Geology of the Coeur d'Alene district, Shoshone County, Idaho, by S. W. Hobbs and others, 139 p., Prof. Paper 478, 1965..... (Pl. 8 is total intensity aeromagnetic map)	14
Geology and mineral resources of Bonner County, by C. N. Savage, 131 p., Idaho Bur. Mines and Geol., County Rept. 6, 1967..... (Contains an aeromagnetic map)	15
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Geologic implications of aeromagnetic data in the Pend Oreille area, Idaho and Montana, by E. R. King, J. E. Harrison, and A. B. Griggs, 17 p., scale 1:125,000, Prof. Paper 646-D, 1970.....	10 & 21
Gravity and magnetic anomalies in the Soda Springs region, southeastern Idaho, by D. R. Mabey and S. S. Oriel, 15 p., scale 1:125,000, Prof. Paper 646-E, 1970.....	22
Mineral resources of the Sawtooth Primitive Area, Idaho, by T. H. Kiilsgaard, V. L. Freeman, and J. S. Coffman, 174 p., aeromagnetic map scale 1:63,360, Bulletin 1319-D, 1970.....	23

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Aeromagnetic map of the Custer, Elevenmile Creek, Sunbeam, Thompson Creek and Clayton quadrangles, east-central Idaho, scale 1:62,500, OF Rept. 71-292, 1971.....	26
Aeromagnetic map of the Patterson and Leadore quadrangles, east-central Idaho, scale 1:62,500, OF Rept. 71-293, 1971.....	27
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Aeromagnetic map of southeastern Idaho and part of southwestern Montana, scale 1:500,000, OF Rept. 72-388, 1972.....	29
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Geophysics and tectonics of the Snake River Plain, Idaho, by D. R. Mabey, Idaho Bur. Mines and Geol. Bull. 26, p. 139-153, 1982.....	24 & 29
Mineral resources of the Salmon River Breaks Primitive Area, Idaho, by P. L. Weis and others, <u>with a section on</u> Aeromagnetic survey, by W. E. Davis, 91 p., scale 1:125,000, Bulletin 1353-C, 1972.....	30
Tectonic events at the intersection between the Hope fault and Purcell Trench, northern Idaho, by J. E. Harrison, M. D. Kleinkopf, and J. D. Obradovich, 24 p., aeromagnetic map scale 1:125,000, Prof. Paper 719, 1972.	31
Aeromagnetic and geologic map of part of northwestern Montana and northern Idaho, by M. D. Kleinkopf, J. E. Harrison, and R. E. Zartman, scale 1:250,000, GP-830, 1972.....	32
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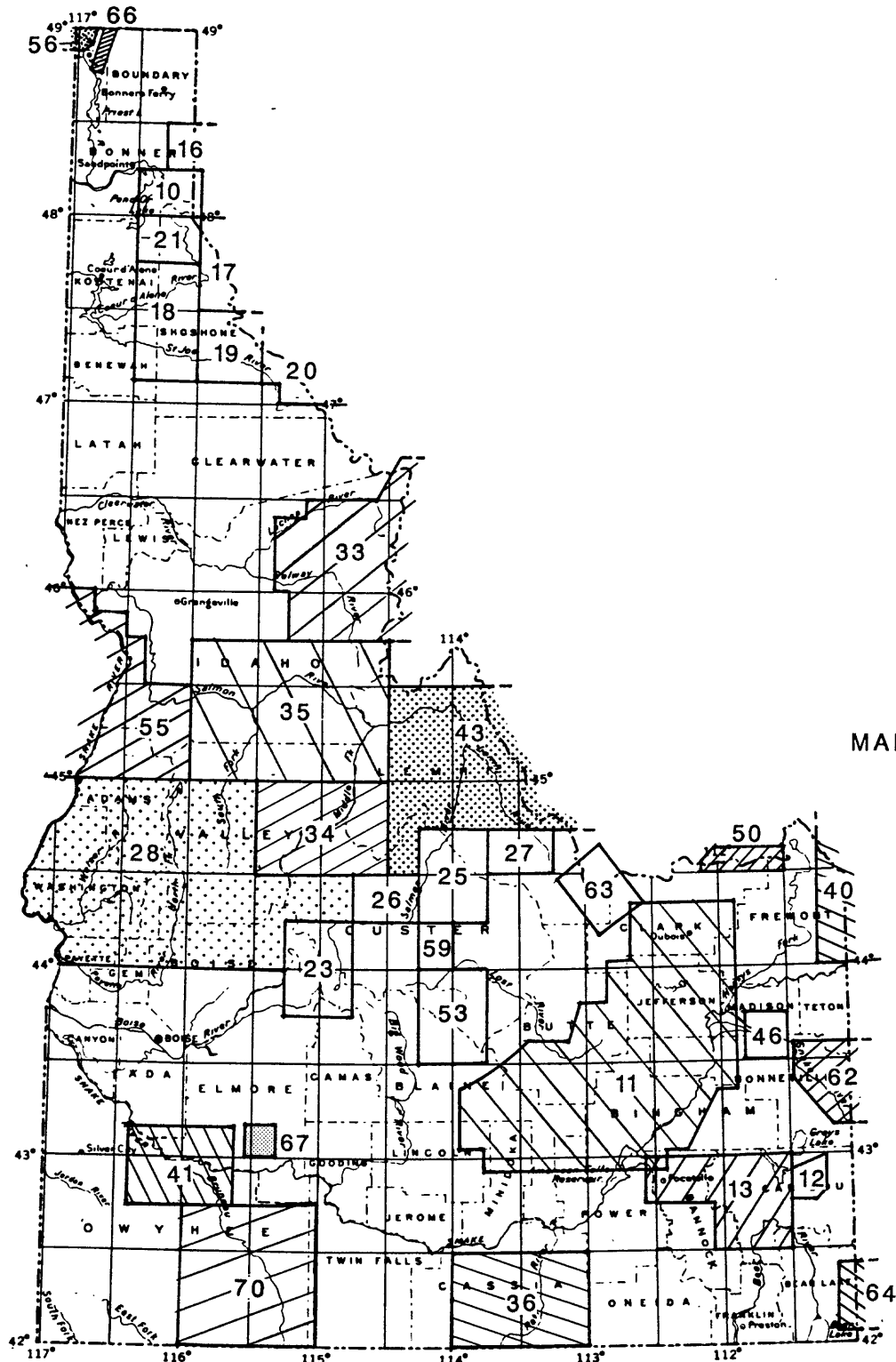
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(Digital data tape is available from 9)
(Contour maps will be available in the near future in the GP series.)
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- Geophysical data relating to a possible Pleistocene overflow of Lake Bonneville at Gem Valley, southeastern Idaho, by D. R. Mabey, in Prof. Paper 750-B, p. 122-127, 1971. (Contains an aeromagnetic profile)
- Interpretation of a gravity profile across the western Snake River Plain, Idaho, by D. R. Mabey, Geology, v. 4, no. 1, p. 53-55, 1976.
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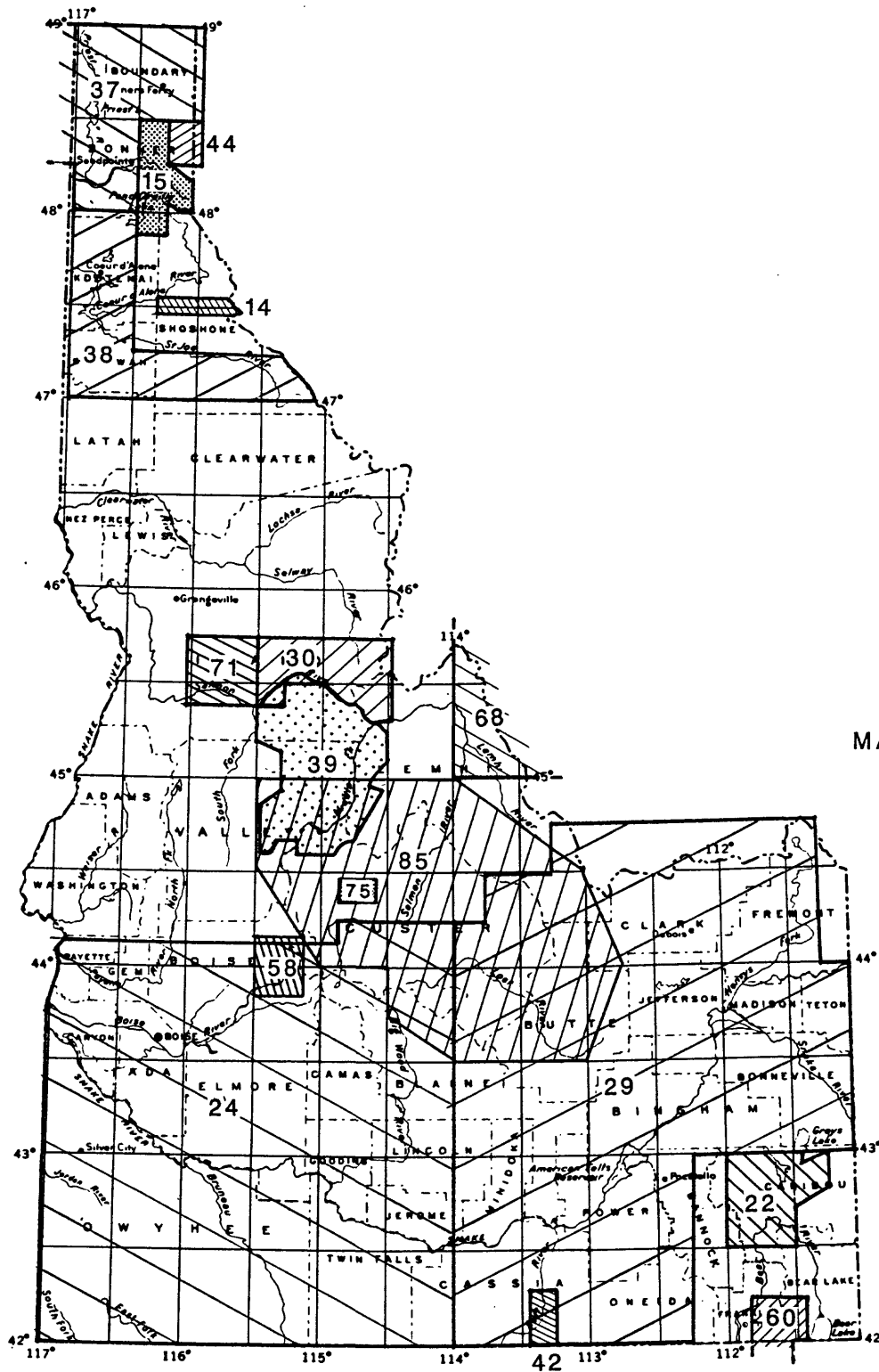
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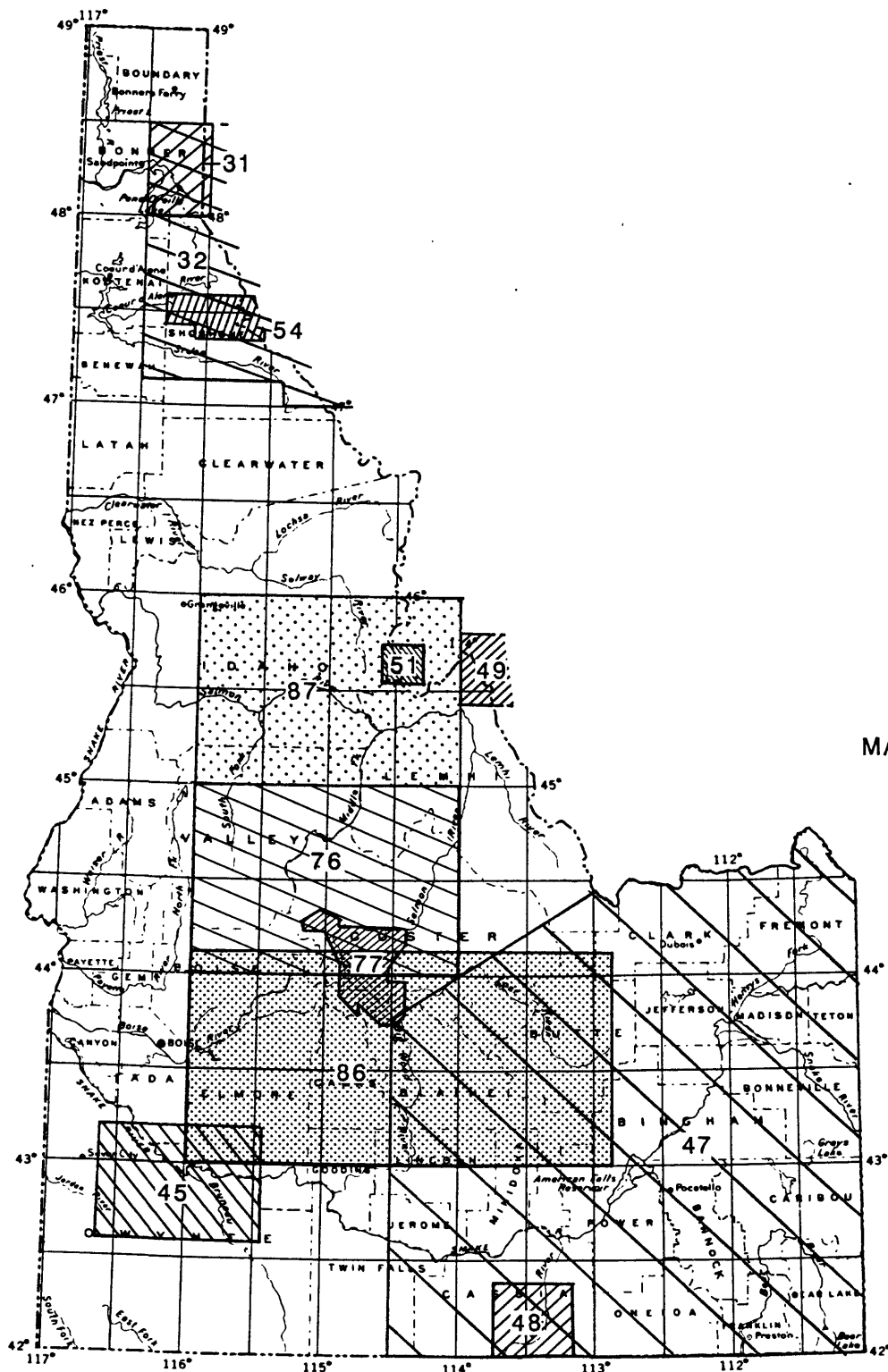
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6. P.I.O., Rm. 8105, Federal Bldg., 125 S. State St., Salt Lake City, UT 84138
7. Idaho Bureau Mines and Geol., College of Mines Bldg., Univ. of Idaho,
Moscow, ID 83843
8. N.T.I.S., 5285 Port Royal Rd., Springfield, VA 22161
9. EROS Data Center, User Services, Sioux Falls, SD 57198



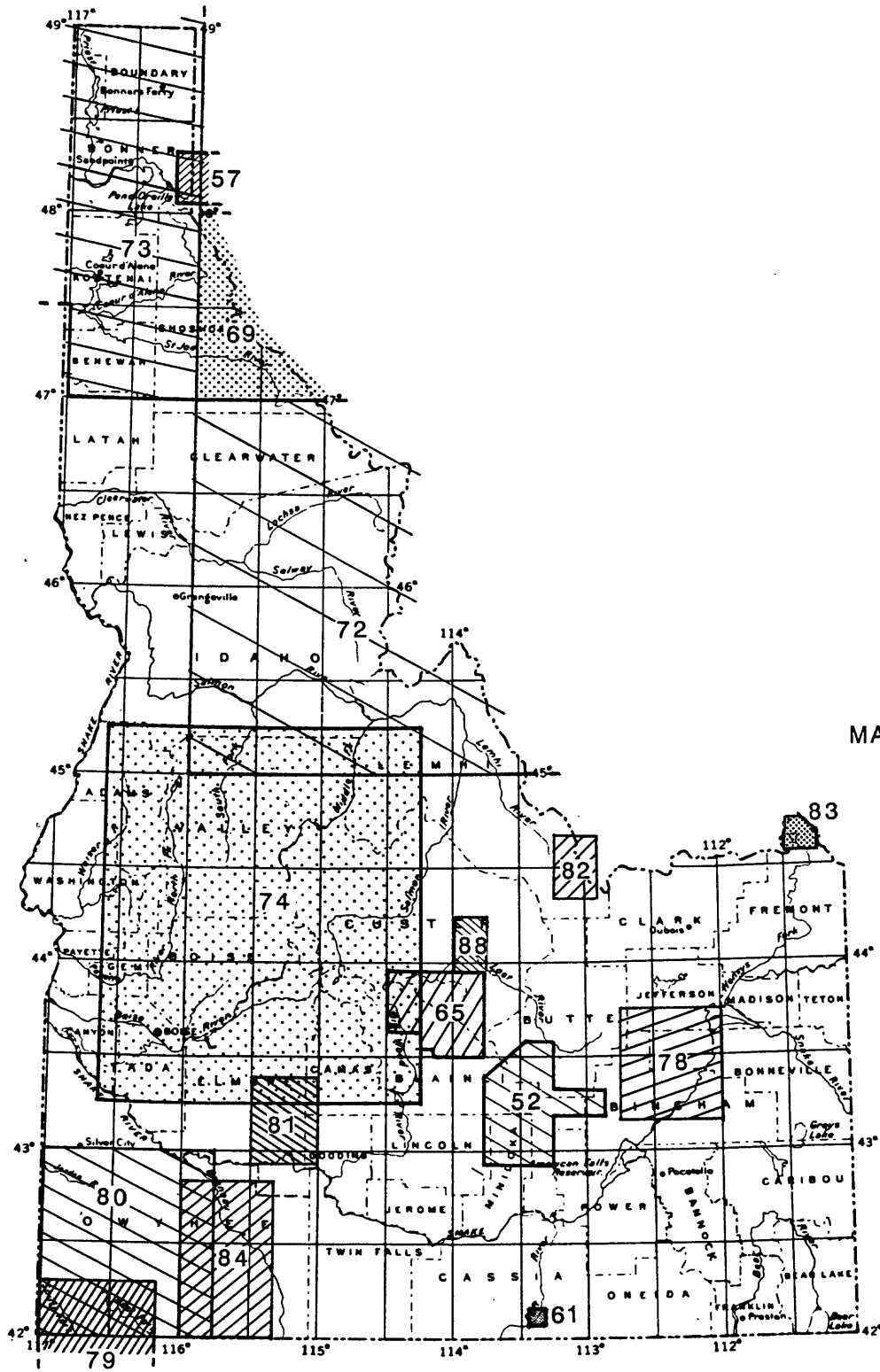
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Aeromagnetic map of Montana, by Isidore Zietz, F. P. Gilbert, and S. L. Snyder, 2 sheets, scale 1:500,000, GP-935, 1980..... (See U.S. Regional Index for actual area covered)	most of state
Mineral resources of the Scotchman Peak Wilderness Study Area, Lincoln and Sanders counties, Montana, and Bonner County, Idaho, by U.S. Geol. Survey and U.S. Bur. Mines, <u>with a section on</u> Aeromagnetic and gravity studies, by M. D. Kleinkopf and D. M. Wilson, 69 p., scale 1:62,500, Bulletin 1467, 1981.....	72
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Aeromagnetic map of northeastern Montana and western North Dakota, 2 sheets, scale 1:250,000, OF Rept. 81-434, 1981..... (Copies on file at 1, 2, 3, 4)	74
Aeromagnetic and general geologic map of the Choteau 1° x 2° Quadrangle, Montana, by M. Dean Kleinkopf, scale 1:250,000, MF-858-G, 1981.....	75
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Slides showing preliminary mosaic magnetic and complete Bouguer gravity anomaly maps of the Butte 1° by 2° Quadrangle, Montana, by J. H. Hassemmer and W. F. Hanna, 4 p., 2 35-mm color slides, OF Rept. 82-603, 1982.....	80
Aeromagnetic map of the Butte 1° by 2° Quadrangle, Montana, 7 sheets, scales 1:62,500 and 1:250,000, OF Rept. 84-278, 1984..... (Data set used for these maps is different than the one used for OF 82-603)	80
Slides showing preliminary mosaic aeromagnetic and complete Bouguer gravity anomaly maps of the Dillon 1° by 2° Quadrangle, Montana and Idaho, by H. E. Kaufmann and W. F. Hanna, 4 p., 2 35-mm color slides, OF Rept. 82-604, 1982.....	81
Slides showing aeromagnetic and gravity anomaly maps and a metallic mineral resource favorability map of the Wallace 1° by 2° Quadrangle, Montana and Idaho, by M. D. Kleinkopf, J. E. Harrison, and Viki Bankey, 4 p., 3 35-mm color slides, OF Rept. 82-709, 1982.....	82
Use of NURE and other data sets to characterize mineralized environments in the Wallace and Choteau NTMS quadrangles, Montana and Idaho, by M. E. Madson and J. A. Burger, 42 p., U.S. Dept. Energy, Grand Junction Office Rept. GJBX-020(83), 1983.....	75 & 82
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Integration of NURE and other data sets, southwest Montana and northeast Idaho; an orientation study to characterize mineralized environments, by M. E. Madson and others, 44 p., U.S. Dept. Energy, Grand Junction Office Rept. GJBX-010(83), 1983.....	80, 81, & 85
Mineral resources of the eastern Pioneer Mountains, Beaverhead County, Montana, by R. C. Pearson and others, 56 p., OF Rept. 83-507, 1983.....	86

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Mineral resource potential map of the Welcome Creek Wilderness, Granite County, Montana, by D. J. Lidke and others, MF-1620-A, 1983.....	88
Map showing aeromagnetic data over the Stillwater Complex and vicinity, Montana, by R. J. Blakely, 3 sheets, scale 1:24,000, OF Rept. 84-799, 1984.....	89
Magnetic anomalies over a mafic intrusion: The Stillwater Complex, by R. J. Blakely and M. L. Zientek, Montana Bur. Mines and Geol. Spec. Pub. 92, p. 39-45, 1985.....	89
Approximating edges of source bodies from magnetic or gravity anomalies, by R. J. Blakely and R. W. Simpson, Geophysics, v. 51, no. 7, p. 1494-1498, 1986.....	89
Mineral resource potential map of the Sapphire Wilderness Study Area and contiguous roadless areas, Granite and Ravalli counties, Montana, by C. A. Wallace and others, scale 1:50,000, MF-1469-B, 1984(1985).....	90
Regional gravity and magnetic anomalies of the Stillwater Complex area, by M. D. Kleinkopf, Montana Bur. Mines and Geol. Spec. Pub. 92, p. 33-38, 1985.....	91
Complete Bouguer gravity and aeromagnetic maps of the Rattlesnake Roadless Area, Missoula County, Montana, by D. M. Kulik, scale 1:50,000, MF-1235-B, 1986.....	92
Mineral resources of the Burnt Lodge Wilderness Study Area, Phillips and Valley counties, Montana, by R. D. Hettinger, Viki Bankey, and J. D. Causey, 16 p., Bulletin 1722-A, 1987.....	93
Mineral resources of the Seven Blackfoot Wilderness Study Area, Garfield County, Montana, by R. D. Hettinger, Viki Bankey, and M. S. Miller, 22 p., Bulletin 1722-D, 1988.....	93
Mineral resources of the Terry Badlands Wilderness Study Area, Prairie and Custer counties, Montana, by J. S. Gassaway and others, 12 p., Bulletin 1722-B, 1987.....	94
Mineral resources of the Ruby Mountains Wilderness Study Area, Madison County, Montana, by R. G. Tysdal and others, 22 p., Bulletin 1724-A, 1987.	95

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Mineral resources of the Cow Creek and Antelope Creek Wilderness Study Areas, Blaine and Phillips counties, Montana, by J. W. Mytton and others, 14 p., Bulletin 1722-C, 1988.....	98
Mineral resources of the Pryor Mountain, Burnt Timber Canyon, and Big Horn Tack-on Wilderness Study Areas, Carbon County, Montana, and Big Horn County, Wyoming, by C. G. Paterson and others, 15 p., Bulletin 1723, 1988.	99
Mineral resources of the Quigg West Wilderness Study Area, Granite County, Montana, By R. G. Tysdal, W. F. Hanna, and D. O. Capstick, 25 p., Bulletin 1724-D, 1988.....	100
The Blacktail-Snowcrest foreland uplift and its influence on structure of the Cordilleran thrust belt--Geological and geophysical evidence for the overlap province in southwestern Montana, by D. M. Kulik and W. J. Perry, Jr., Geol. Soc. Am. Mem. 171, p. 291-306, 1988.....	101
Geology and mineral deposits of the Miners Gulch area, Granite County, Montana, by U.S. Geological Survey, 57 p., Bulletin 1791, 1989.....	102
Preliminary mineral resource assessment of the Elk City 1° x 2° Quadrangle, Idaho and Montana, by Karen Lund and others, 123 p., 14 sheets, scale 1:250,000, OF Rept. 89-016, (1989)1990.....	103
Mineral resources of the Sleeping Giant Wilderness Study Area, Lewis and Clark counties, Montana, by R. G. Tysdal and others, 44 p., OF Rept. 90-410, 1990.....	104
Mineral resources of the Elkhorn Wilderness Study area, Broadwater and Jefferson counties, Montana, by W. R. Greenwood and others, 37 p., aeromagnetic map scale 1:48,000, Bulletin 1805, 1990.....	55, 57, & 105
Other publications of interest; not shown on index maps:	
Structure of the Clark Fork area, Idaho-Montana, by J. E. Harrison, D. A. Jobin, and E. R. King, <u>in</u> Prof. Paper 424-B, p. 159-163, 1961. (See Idaho Index for location)	
Remanent magnetism as a contributor to some aeromagnetic anomalies, by K. G. Books, Geophysics, v. 27, no. 3, p. 359-375, 1962. (Contains an aeromagnetic map south of Havre, MT)	

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Three aeromagnetic profiles in the Bitterroot Valley area, Montana and Idaho, scale 1:250,000, OF Rept. 66-144, 1966.

Preliminary report on regional aeromagnetic anomalies in northwestern Montana, by M. R. Mudge and others, in Prof. Paper 550-B, p. 111-114, 1966.
(Shows four aeromagnetic profiles in the Chouteau and Cut Bank 2° sheets)

Geologic implications of aeromagnetic data in the Pend Oreille area, Idaho and Montana, by E. R. King, J. E. Harrison, and A. B. Griggs, 17 p., scale 1:125,000, Prof. Paper 646-D, 1970. (See Idaho Index for location)

Morphological study of geophysical maps by viewing in three dimensions, by S. Parker Gay, Jr., Geophysics, v. 36, no. 2, p. 396-414, 1971.
(This paper uses ref. 26 as an example)

Computer graphics in geophysics, by R. B. Smith and others, Geophysics, v. 37, no. 5, p. 825-838, 1973. (This paper uses parts of ref. 41)

Magnetizations of some Late Cretaceous glassy tuffs, volcanic breccias, and altered basalts of the Elkhorn Mountains volcanic field, western Montana, by W. F. Hanna, in Jour. Research, U.S. Geol. Survey, v. 1, no. 2, p. 179-192, 1973. (Fig. 8 shows 3 areas taken from refs. 24, 26, and 41)

Airborne geophysical survey, Powder River Basin area, Wyoming-Montana, by Texas Instruments, Inc., v.p., 87 sheets, scale 1:250,000, U.S. Atomic Energy Comm., Grand Junction Office Rept. GJO-1631-2, 1975.
(Shows 6-12 mile spaced profiles in eastern Wyoming and southeastern Montana.)

Aerial gamma ray and magnetic survey; Powder River R and D Project, portions of the Forsyth and Hardin, Montana, quadrangles, Sheridan and Armito, Wyoming, quadrangles, by Geometrics, Inc., 2 vols., U.S. Dept. Energy, Grand Junction Office Rept. GJBX-113(79), 1979.
(Shows 6-12 mile spaced profiles in the quadrangles listed above)

The southern part of the southwest Montana thrust belt; a preliminary re-evaluation of structure, thermal maturation and petroleum potential, by W. J. Perry, R. T. Ryder, and E. K. Maughan, in Montana Geol. Soc., Guidebook to Southwest Montana, p. 261-273, 1983.
(Shows aeromagnetic contours in southern-most Beaverhead County)

Regional structure and facies control in the Powder River basin, Wyoming and Montana, interpreted from satellite imagery, by R. W. Marrs, R. S. Martinsen, and G. L. Raines, Proc., Third Thematic Conf., Internat. Sym. Remote Sensing Environ., p. 25-34, 1984.

Regional gravity and magnetic anomalies in the Borah Peak region of Idaho, by D. R. Mabey, in Proceedings of Workshop XXVIII on the Borah Peak, Idaho earthquake; Vol. A, R. S. Stein and R. C. Bucknam, eds., OF Rept. 85-290-A, p. 680-686, 1985. (Covers part of western Montana)

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Mineral resources of the Farlin Creek Wilderness Study Area, Beaverhead County, Montana, by R. C. Pearson and others, 13 p., Bulletin 1724-C, 1987.

Basement tectonic controls on structural style of the Laramide thrust belt interpreted from gravity and magnetic data, by R. I. Gibson, Wyoming Geol. Assoc. Guidebook 38, p. 27-35, 1987.

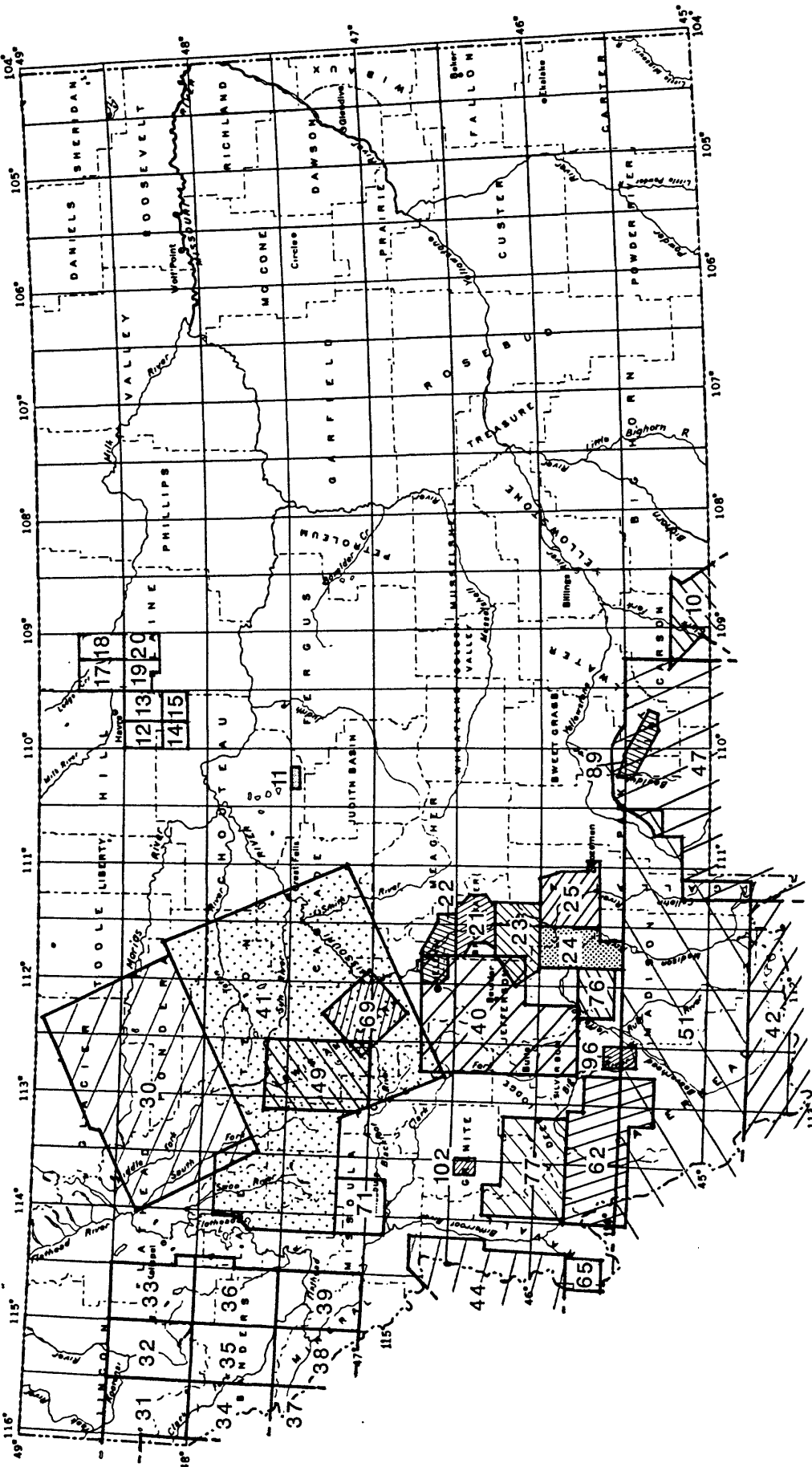
U.S.G.S. open-file reports for Montana are available for viewing at 1, 2, 3, 4, 5, 6, and 7. Additional locations for viewing reports which overlap into adjacent states are listed in that state's index.

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. 678, U.S. Courthouse, W. 920 Riverside Ave., Spokane, WA 99201
6. P.I.O., Rm. 8105, Federal Bldg., 125 S. State St., Salt Lake City, UT 84138
7. Montana Bur. of Mines and Geol., Mont. College of Mineral Sci. and Tech., Butte, MT 59701

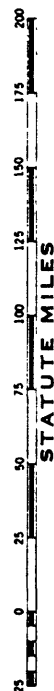
MONTANA

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

TOPOGRAPHIC DIVISION
ROCKY MOUNTAIN REGION
DENVER, COLORADO



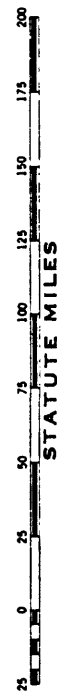
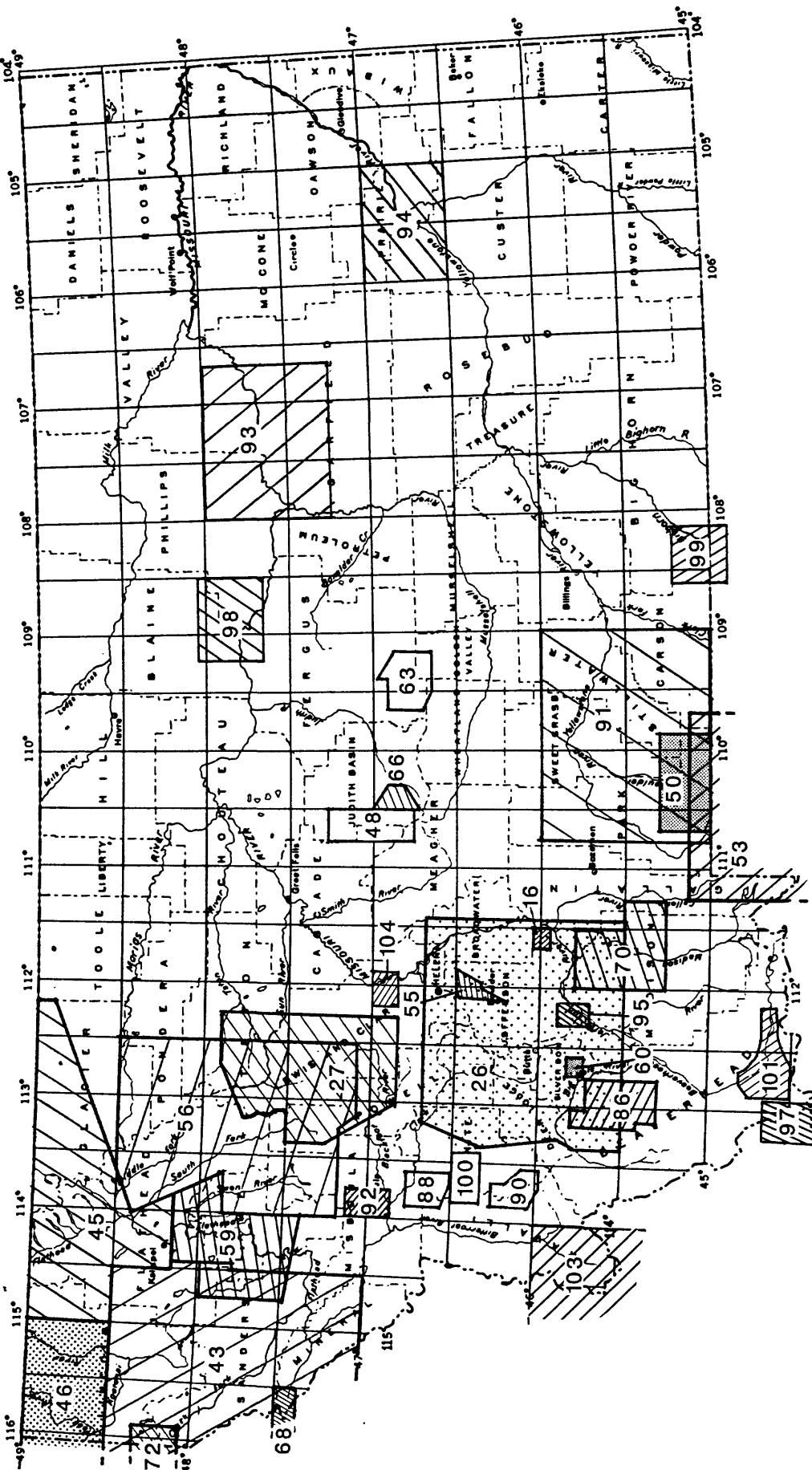
MAP 1



MONTANA

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

TOPOGRAPHIC DIVISION
ROCKY MOUNTAIN REGION
DENVER, COLORADO

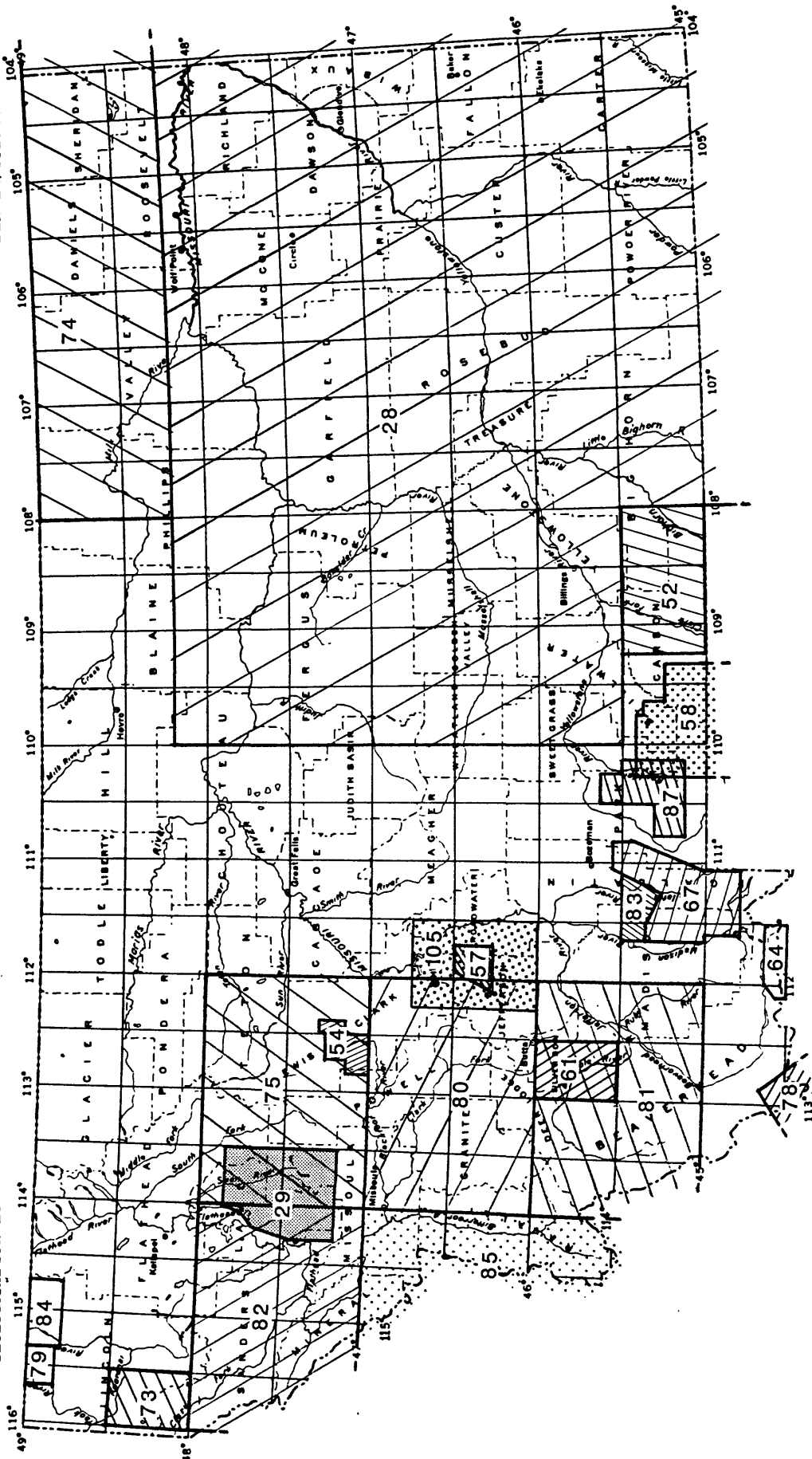


MAP 2

MONTANA

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

TOPOGRAPHIC DIVISION
ROCKY MOUNTAIN REGION
DENVER, COLORADO



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Use of fan filters in computer analysis of magnetic-anomaly trends, by Edwin S. Robinson, in Prof. Paper 575-D, p. 113-119, 1967.....	11
Relations between geological structure and aeromagnetic anomalies in central Nevada, by E. S. Robinson, Geol. Soc. Am. Bull., v. 81, no. 7, p. 2045-2060, 1970.....	11
Gravity and aeromagnetic maps of the Ely area, White Pine County, Nevada, by J. E. Carlson and D. R. Mabey, scale 1:250,000, GP-392, 1963.....	12
Automated interpretation of magnetic anomalies using the vertical prism model, by D. E. Whitehill, Geophysics, v. 38, no. 6, p. 1070-1087, 1973...	12
Aeromagnetic map of the Topopah Spring Quadrangle and part of the Bare Mountain Quadrangle, Nye County, Nevada, by G. R. Boynton and J. L. Vargo, scale 1:62,500, GP-440, 1963.....	13
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Geologic structure of Yucca Flat area, Nevada, by E. N. Hinrichs, <u>in</u> Nevada Test Site, Geol. Soc. Am. Mem. 110, p. 239-245, 1968.....	14
Aeromagnetic map of the Cane Spring Quadrangle and parts of the Frenchman Lake, Specter Range, and Mercury quadrangles, Nye County, Nevada, by G. R. Boynton, and J. L. Vargo, scale 1:62,500, GP-442, 1963.....	15
Aeromagnetic map of the Timber Mountain Quadrangle and part of the Silent Canyon Quadrangle, Nye County, Nevada, by G. R. Boynton, J. L. Meuschke, and J. L. Vargo, scale 1:62,500, GP-443, 1963.....	16
General geology of the Jackson Mountains, Humboldt County, Nevada, by Ronald Willden, 65 p., Bulletin 1141-D, 1963..... (Data from a private source)	17
Petroleum exploration possibilities in northwestern Nevada, by Ronald Willden, <u>in</u> Basin and Range Symposium and Great Basin Field Conference, G. W. Newman, ed., Rocky Mtn. Assoc. Geol. Guidebook, p. 541-548, 1979....	17

(Aeroradioactivity survey) Las Vegas area (ARMS-II), by R. B. Guillou, J. E. Hand, and H. M. Borella, 21 p., 4 sheets, scale 1:250,000, U.S. Atomic Energy Comm. Rept. CEX-61.6.1, 1963.....	18
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Stratigraphy and structure of the Antler Peak Quadrangle, Humboldt and Lander counties, Nevada, by R. J. Roberts, <u>with a section on</u> Aeromagnetic survey, by D. R. Mabey, 93 p., scale 1:62,500, Prof. Paper 459-A, 1964....	19
Geological, geophysical, chemical, and hydrological investigations of the Sand Springs Range, Fairview Valley, and Fourmile Flat, Churchill County, Nevada, by Nevada Bureau of Mines, 369 p., 8 plates, scale 1:31,680, U.S. Atomic Energy Comm. Rept. VUF-1001, 1964(1965).....	20
Geology of the Cortez Quadrangle, Nevada, by James Gilluly and Harold Masursky, <u>with a section on</u> Gravity and aeromagnetic surveys, by D. R. Mabey, 117 p., scale 1:62,500, Bulletin 1175, 1965.....	21
Aeromagnetic map of parts of the Mt. Rose and the Virginia City quadrangles, Ormsby, Storey, and Washoe counties, Nevada, by W. J. Dempsey and J. L. Vargo, scale 1:62,500, OF Rept. 65-039, 1965.....	22
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Regional gravity and magnetic anomalies in part of Eureka County, Nevada, by D. R. Mabey, in Soc. Explor. Geophys., Mining Geophysics, v. 1, Case Histories, p. 77-83, 1966.....	33
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Aeromagnetic map of the Austin region, Lander County, Nevada, scale 1:62,500, OF Rept. 68-282, 1968.....	65
Aeromagnetic map of the Austin area, Lander County, Nevada, by W. E. Davis and J. H. Stewart, scale 1:125,000, GP-694, 1970.....	65
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Aeromagnetic measurements in Dixie Valley, Nevada--Implications in basin-range structure, by T. E. Smith, Jour. Geophys. Res., v. 73, no. 4, p. 1321-1331, 1968.....	77
Aeromagnetic map, topography of magnetic basement, second vertical derivative, and magnetic total intensity data of the Dixie Valley area, west-central Nevada, by T. E. Smith, scale 1:125,000, Nevada Bur. Mines and Geol. Open-file Report, 1971.....	77
Geochemical and geophysical anomalies in the western part of the Sheep Creek Range, Lander County, Nevada, by G. B. Gott and C. J. Zablocki, 17 p., Circular 595, 1968.....	78
Aeromagnetic map of Monitor Valley and vicinity, Lander and Eureka counties, Nevada, scale 1:62,500, OF Rept. 69-292, 1969.....	79

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Geochemical, aeromagnetic, and generalized geologic maps showing distribution and abundance of mercury and arsenic, Golconda and Iron Point quadrangles, Humboldt County, Nevada, by R. L. Erickson and S. P. Marsh, 2 sheets, scale 1:24,000, MF-312, 1971.....	81
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Aeromagnetic and generalized geologic map of the San Antonio Mountains, Nevada, by W. E. Davis, F. J. Kleinhampl, and J. I. Ziony, scale 1:125,000, GP-744, 1971.....	82
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Total field aeromagnetic anomaly map, Wabuska Known Geothermal Resource Area, Nevada, scale 1:24,000, OF Rept. 81-995, 1981.

(This is a small area located east of Carson City)

Total field aeromagnetic anomaly map, Steamboat Hills Known Geothermal Resource Area, Nevada, scale 1:24,000, OF Rept. 81-996, 1981.

This is a small area located south of Reno)

Low-to-moderate temperature geothermal resource assessment for Nevada, area specific studies by G. Ghusn, Jr. and others, 223 p., U.S. Dept. Energy Rept. DOE/NV/10039-3, 1981.

(Contains an aeromagnetic map of the Hawthone area taken from GP-751)

Regional gravity and magnetic anomalies in the northern Basin and Range province, by D. R. Mabey, H. W. Oliver, and T. G. Hildenbrand, Geothermal Resources Council, Spec. Rept. 13, p. 307-315, 1983.

(Covers the northern two-thirds of the state)

Regional structural setting of Yucca Mountain, southwestern Nevada and late Cenozoic rates of tectonic activity in part of the southwestern Great Basin, Nevada and California, by W. J. Carr, 114 p., OF Rept. 84-854, 1984.

(Contains a regional aeromagnetic map of part of the southern Great Basin.)

Mineral resources of northern Nye County, Nevada, by F. J. Kleinhampl, 243 p., Nevada Bur. Mines and Geol. Bull. 99B, 1984.

(Shows aeromagnetic contours in part of the Pancake Range mining area)

Airborne magnetic susceptibility mapping, by J. B. C. Silva and G. W. Hohmann, (Australia) Explor. Geophysics, v. 15, no. 1, p. 1-13, 1984.

(shows a small area taken from ref. 12)

NEVADA AIRBORNE (cont'd)

Other publications--cont'd:

Mineral resources of the Castle Peaks Wilderness Study Area, San Bernardino County, California, by D. A. Miller and others, 17 p., Bulletin 1713-A, 1986. (Extends into Nevada; see California Index for location.)

Geophysical delineation of granitic plutons in Nevada, by V. J. S. Grauch and others, 7 p., 2 sheets, scale 1:1,000,000, OF Rept. 88-011, 1988. (Contains only interpretive maps.)

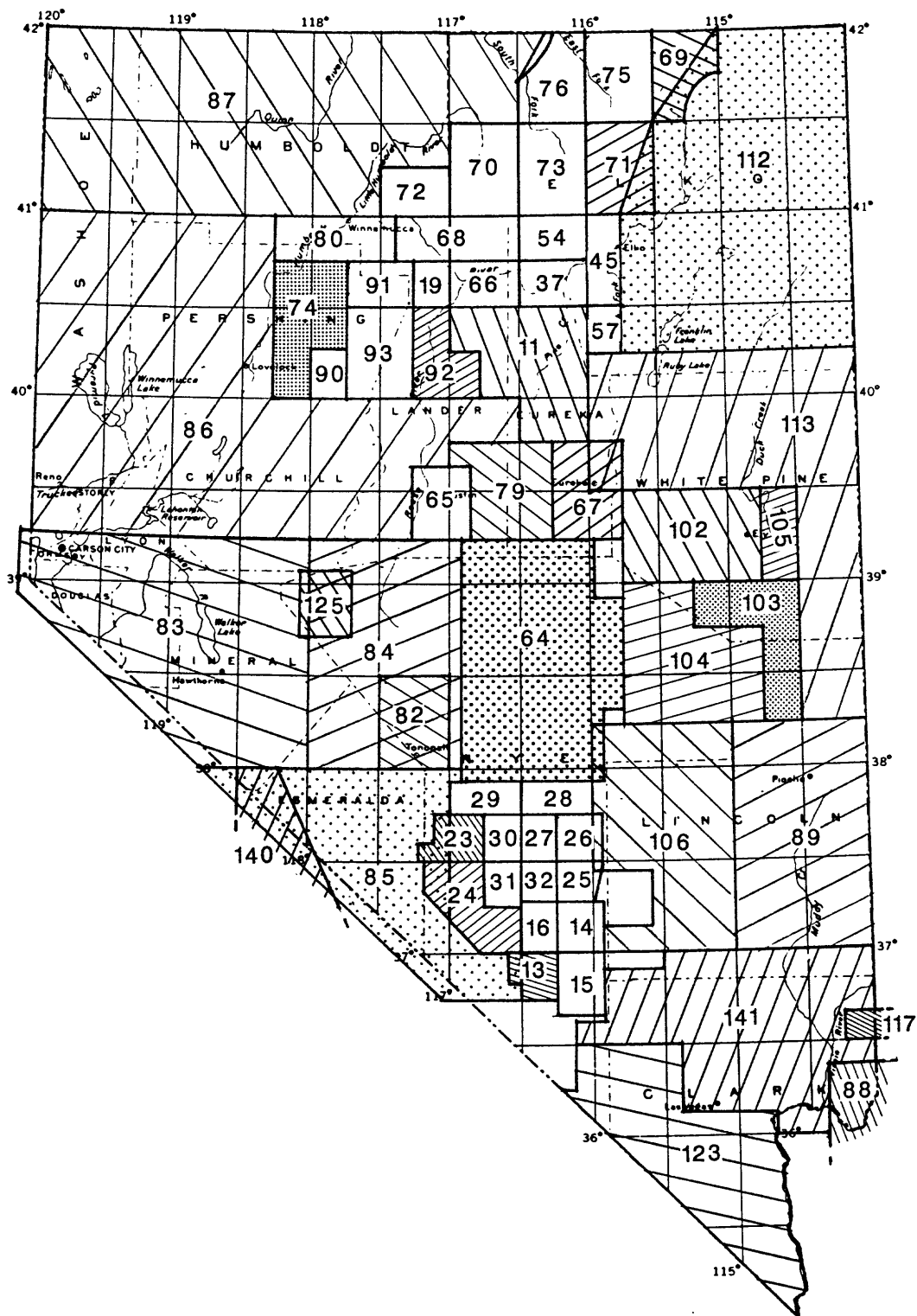
Structural geology and regional tectonics of the Mineral County area, Nevada, using Shuttle Imaging Radar-B and digital aeromagnetic data, by M. X. Borengasser and J. V. Taranik, Internat. Jour. Remote Sensing, v. 9, no. 5, p. 967-980, 1988.

U.S.G.S. open-file reports for Nevada are available for viewing at 1, 2, 3, 4, 5, 6, 7, 8. Additional locations for viewing reports which overlap into adjacent states are listed in that state's index.

Nevada Bureau of Mines and Geology maps and publications are available from 8. 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
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. 7638, Federal Bldg., 300 N. Los Angeles St., Los Angeles, CA 90012
6. P.I.O., Rm. 504, Customhouse, 555 Battery St., San Francisco, CA 94111
7. P.I.O., Rm. 8105, Federal Bldg., 125 S. State St., Salt Lake City, UT 84138
8. Nevada Bur. Mines and Geol., Univ. of Nevada, Reno, NV 89507
9. N.T.I.S., 5285 Port Royal Road, Springfield, VA 22161
10. U.S.G.S., EROS Data Center, User Services, Sioux Falls, SD 57198

NEVADA

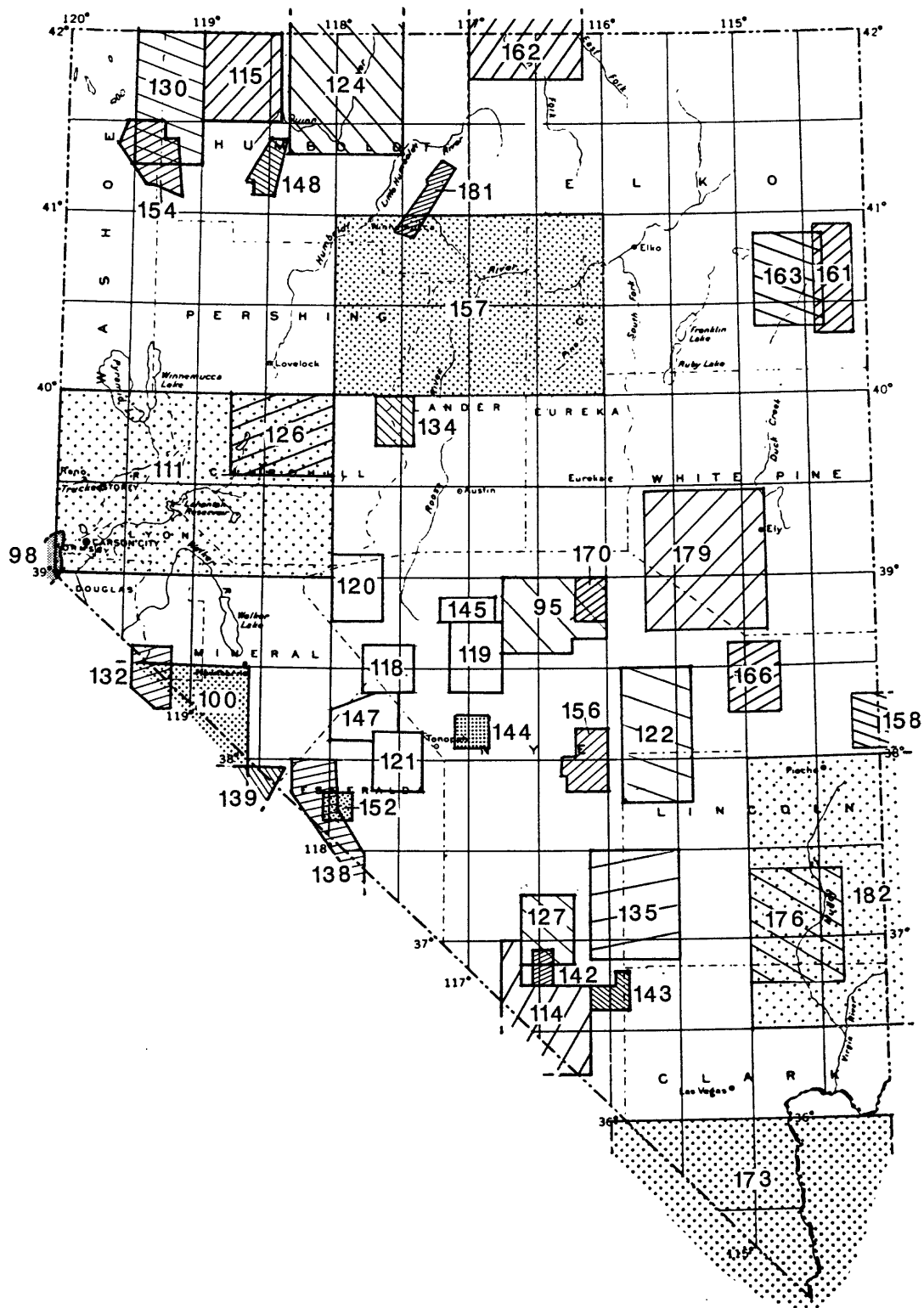


MAP 1

**TOPOGRAPHIC DIVISION
PACIFIC AREA
MENLO PARK, CALIFORNIA**

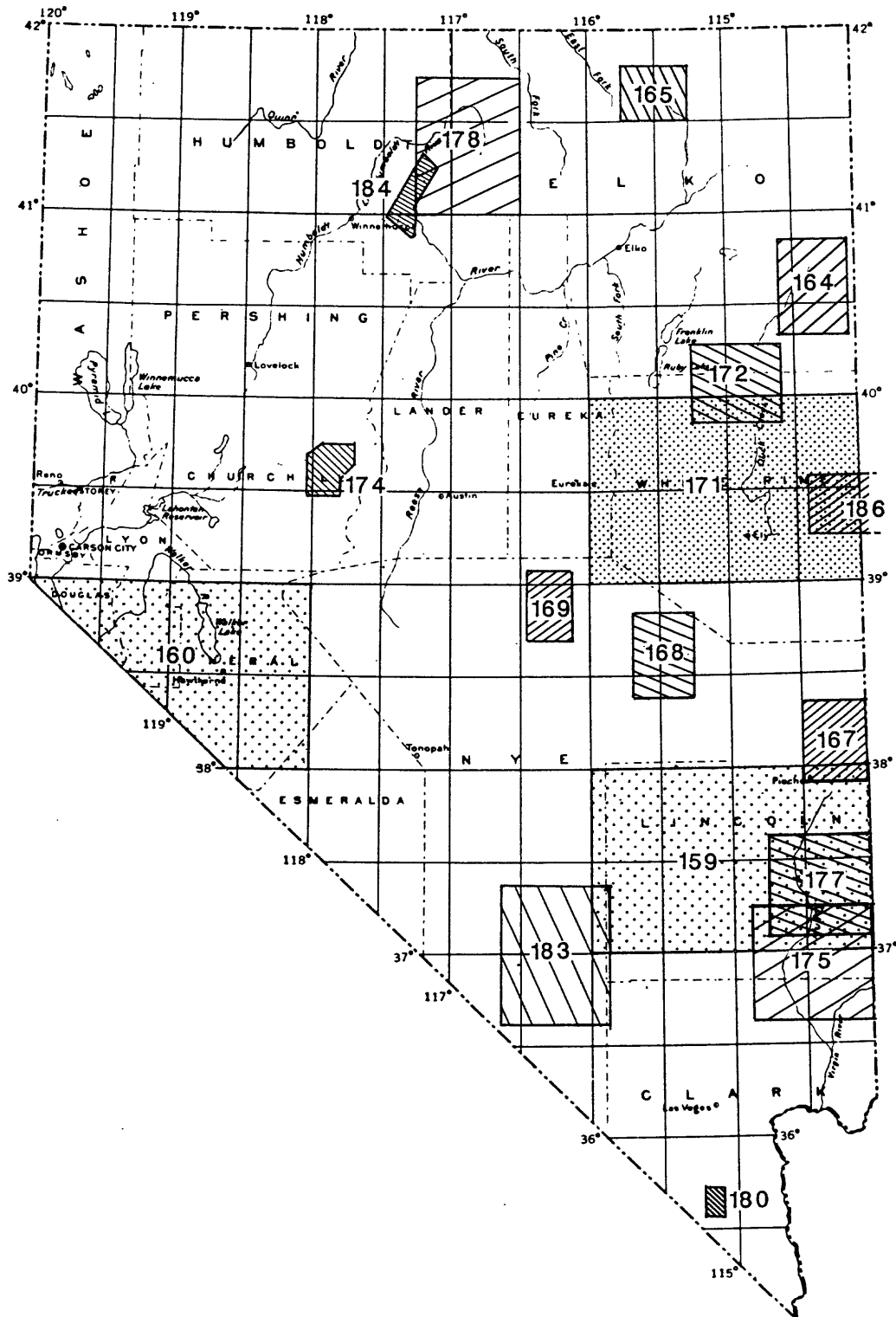


NEVADA



MAP 3

NEVADA



MAP 4

NEW MEXICO AIRBORNE INDEX

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

(Repository and some source locations are listed on page 109 except where noted.)

Map ref.

Aeromagnetic maps of the following areas are by W. J. Dempsey and others,
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Parts of Guadalupe and De Baca Counties, (R. 16 E.-R. 21 E. and T. 3 N.-T. 6 N.), GP-16, 1950.....	11
Parts of San Miguel and Guadalupe Counties, (R. 21 E.-R. 25 E. and T. 6 N.-T. 12 N.), GP-17, 1950.....	12
Parts of San Miguel and Guadalupe Counties, (R. 16 E.-R. 21 E. and T. 6 N.-T. 10 N.), GP-18, 1950.....	13

Regional geological interpretation of aeromagnetic and gravity data for Rowe-Mora area, New Mexico, by G. E. Andreasen, M. F. Kane, and Isidore Zietz, <u>in</u> Prof. Paper 400-B, p. 238-239, 1960.....	14
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Aeromagnetic and gravity studies of the Precambrian in northeastern New Mexico, by G. E. Andreasen, M. F. Kane, and Isidore Zietz, Geophysics, v. 27, no. 3, p. 343-358, 1962.....	14
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Aeromagnetic maps of the following areas are by W. J. Dempsey and others,
scale approx. 1:62,500:

Parts of southern Colfax, northern Mora, and western Harding Counties, GP-355, 1963.....	15
Parts of southern Mora, northern San Miguel, and western Harding Counties, GP-356, 1963.....	16
Central part of San Miguel County, GP-357, 1963.....	17

Aeromagnetic and geologic map of part of the Silver City mining region, Grant County, New Mexico, by W. R. Jones, J. E. Case, and W. P. Pratt, scale 1:63,360, GP-424, 1964.....	18
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Natural gamma aeroradioactivity of the Gnome (Carlsbad) area, New Mexico and Texas, by J. A. MacKallor, scale 1:250,000, GP-462, 1964.....	19
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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 9)	19
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Aeromagnetic map of the Carlsbad area, New Mexico and Texas, scale 1:250,000, GP-861, 1973.....	19
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Aeromagnetic map of the San Simon Valley area, Cochise, Graham, and Greenlee Counties, Arizona, and Hidalgo County, New Mexico, 2 sheets, scale 1:125,000, OF Rept. 66-139, 1966..... (Copies on file at 1, 2, 3, 4, 6)	20
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Map ref.

Mineral resources of the Blue Range Primitive Area, Greenlee County, Arizona, and Catron County, New Mexico, by J. C. Ratte and others, <u>with a section on</u> Aeromagnetic interpretation, by G. P. Eaton, 91 p., scale 1:62,500, Bulletin 1261-E, 1969.....	21
Mineral resources of the Black Range Primitive Area, Grant, Sierra, and Catron counties, New Mexico, by G. E. Ericksen and others, 162 p., aeromagnetic map scale 1:63,360, Bulletin 1319-E, 1970.....	22
Aeromagnetic map of the Morenci-Monticello area, southeastern Arizona and southwestern New Mexico, 4 sheets, scale 1:62,500, OF Rept. 70-337, 1970..	23
Aeromagnetic map of the Morenci-Monticello area, southeastern Arizona and southwestern New Mexico, scale 1:250,000, GP-838, 1972.....	23
Aeromagnetic map of part of south-central New Mexico, scale 1:62,500, OF Rept. 71-288, 1971.....	24
Aeromagnetic map of the Jemez area, New Mexico, scale 1:250,000, OF Rept. 72-391, 1972.....	25
Aeromagnetic map of an area northeast of Santa Fe, New Mexico, scale 1:62,500, OF Rept. 73-290, 1973.....	26
Mineral resources of the Pecos Wilderness and adjacent areas, Santa Fe, San Miguel, Mora, Rio Arriba, and Taos counties, New Mexico, by U.S. Geol. Survey, U.S. Bur. Mines, and New Mexico Bur. Mines and Min. Resources, 117 p., aeromagnetic map scale 1:62,500, OF Rept. 80-382, 1980.....	26
Magnetic field survey at White Sands Missile Range, New Mexico, by L. R. Weathers, Jr., and R. B. Loveland, 17 p., U.S. Army Electronics Command Rept. ECOM-5523, N.T.I.S. Rept. AD-770 919/9, 1973..... (Copies available from 9)	27
Aeromagnetic map of parts of the Silver City and Las Cruces 1° by 2° quadrangles, southwestern New Mexico, scale 1:250,000, OF Rept. 74-1107, 1974..... (Copies of the 1:62,500 maps from which the 1:250,000 map was prepared may be ordered from 8)	28
Aeromagnetic map of parts of the Socorro and Tularosa 1° by 2° quadrangles, southwestern New Mexico, scale 1:250,000, OF Rept. 74-1108, 1974..... (Copies of the 1:62,500 maps from which the 1:250,000 map was prepared may be ordered from 8)	29 & 30
Exploration framework of the Socorro geothermal area, New Mexico, by C. E. Chapin and others, aeromagnetic map scale 1:250,000, New Mexico Geol. Soc. Spec. Pub. no. 7, p. 115-129, 1978..... (Extends only to 34°15' to the north)	30
Aeromagnetic map of the Jicarilla-White Oaks area, Lincoln County, New Mexico, scale 1:62,500, OF Rept. 74-104, 1974.....	31

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Aeromagnetic map of an area north of Albuquerque, New Mexico, scale 1:125,000, OF Rept. 75-187, 1975.....	36
Combined geophysical studies at Kilbourne Hole maar, New Mexico, by Lindrith Cordell, New Mexico Geol. Soc. Guidebook 26, p. 269-271, 1975.....	37
Interpretation of magnetic surveys in intermontane valleys of Nevada and southern New Mexico, by G. D. Bath, OF Rept. 76-440, 1976.....	38
Aeromagnetic map of an area north of Abiquiu, New Mexico, scale 1:62,500, OF Rept. 76-503, 1976.....	39
Aeromagnetic map of Wheeler Peak and vicinity, New Mexico, scale 1:62,500, OF Rept. 76-504, 1976.....	40
Aeromagnetic map of the Wheeler-Latir-Costilla section of the Sangre de Cristo Mountains in New Mexico, by L. Cordell, New Mexico Geol. Soc. Guidebook 27, p. 281-282, 1976.....	40
Aeromagnetic map of Carson and vicinity, New Mexico, scale 1:62,500, OF Rept. 76-686, 1976.....	41
Residual magnetic intensity map of central New Mexico, scale 1:250,000, OF Rept. 76-806, 1976.....	42
Aeromagnetic and gravity studies of the Rio Grande graben in New Mexico between Belen and Pilar, by L. Cordell, New Mexico Geol. Soc. Spec. Pub. no. 6, p. 62-70, 1976.....	43
Aeromagnetic maps with geologic interpretations for the Tularosa Valley, south-central New Mexico, by G. D. Bath, scales 1:62,500 and 1:400,000, OF Rept. 77-258, 1977.....	44
Parallel-surface-continued aeromagnetic map of the San Lorenzo and Hillsboro quadrangles, Grant and Sierra counties, New Mexico, by J. C. Wynn, scale 1:48,000, MF-900-L, 1978.....	45

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Background information to accompany folio of geologic, mineral resource, geochemical, aeromagnetic, and gravity maps of the Hillsboro and San Lorenzo quadrangles, Sierra and Grant counties, New Mexico, by D. C. Hedlund, 26 p., scale 1:250,000, Circular 808, 1979.....	45
(Fig. 4 is an aeromagnetic map; scale 1:250,000)	
Mineral resources of the Gila Primitive Area and Gila Wilderness, Catron and Grant counties, New Mexico, by J. C. Ratte and others, 229 p., aeromagnetic map scale 1:200,000, Bulletin 1451, 1979.....	46
Mineral resources of the White Mountain Wilderness and adjacent areas, Lincoln County, New Mexico, by K. Segerstrom and others, <u>with a section on</u> Aeromagnetic interpretation, by Lindrith Cordell, 135 p., scale 1:62,500, Bulletin 1453, 1979.....	47
Aeromagnetic map of the north and west parts of the Silver City 1° by 2° Quadrangle, New Mexico and Arizona, 5 sheets, scale 1:62,500, OF Rept. 79-1452, 1979.....	48
Aeromagnetic map of the Malpais area, New Mexico, scale 1:250,000, OF Rept. 79-1644, 1979.....	49
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Aeromagnetic map of northeast Arizona and northwest New Mexico, 4 sheets, scale 1:250,000, OF Rept 80-614, 1980.....	50
Mapping basement magnetization zones from aeromagnetic data in the San Juan basin, New Mexico, by Lindrith Cordell and V.J.S. Grauch, <u>in</u> The utility of regional gravity and magnetic anomaly maps, W. J. Hinze, ed., Soc. Explor. Geophys., p. 181-197, 1985.....	50
Aeromagnetic map of the Pecos area, New Mexico, 4 sheets, scale 1:62,500, OF Rept. 80-671, 1980.....	51
Aeromagnetic map of the Buck Robinson Peak area, Arizona and New Mexico, scale 1:62,500, OF Rept. 80-995, 1980.....	52
Aeromagnetic map of the Little Dog-Pup Canyon area, New Mexico, scale 1:62,500, OF Rept. 80-997, 1980.....	53
Aeromagnetic map of the southern part of the Silver City 1° by 2° Quadrangle, Arizona and New Mexico, 4 sheets, scale 1:62,500, OF Rept. 80-1128, 1980.....	54
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. (Contains an aeromagnetic map of the Permian Basin area)	55
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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.....	55

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Aeromagnetic map of an area south of Chama, New Mexico, scale 1:62,500, OF Rept. 81-88, 1981.....	56
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Aeromagnetic map of the El Malpais Instant Study Area and adjacent areas, Valencia County, New Mexico, by C. H. Maxwell, scale 1:62,500, MF-1375-B, 1981(1982).....	58
Aeromagnetic map of the west face of the Sacramento Mountains, New Mexico, scale 1:62,500, OF Rept. 82-944, 1982.....	59
Aeromagnetic map of parts of Taos and Colfax counties, New Mexico, 3 p., 1 sheet, scale 1:50,000, OF Rept. 82-952, 1982.....	60
Aeromagnetic maps of the Latir Peak and Wheeler Peak Wildernesses and the Columbine-Hondo Wilderness Study Area, Taos County, New Mexico, by C. K. Moss and G. A. Abrams, 2 sheets, scale 1:50,000, MF-1570-C, 1985.... (Also contains a regional map at scale 1:100,000 of part of ref. 40)	60
Geophysical surveys of the lower San Francisco Wilderness Study Area and contiguous roadless area, Greenlee County, Arizona, and Catron and Grants counties, New Mexico, by R. A. Martin, scale 1:62,500, MF-1463-A, 1982....	61
Geochemical and geophysical maps of the Manzano Wilderness, Valencia and Torrance counties, New Mexico, by C. H. Maxwell and R. A. Wobus, scale 1:50,000, MF-1464-B, 1982.....	62
Slides showing aeromagnetic and gravity data for regional mineral exploration in Colorado, New Mexico, and Arizona, by D. P. Klein, 10 p., 5 35-mm slides, OF Rept. 83-443, 1983.....	63
Description of slides showing aeromagnetic and gravity data for regional mineral exploration in Colorado, New Mexico, and Arizona, by D. P. Klein, 18 p., 1 sheet, OF Rept. 83-703, 1983.....	63
Aeromagnetic map of the Silver City 1° by 2° Quadrangle, New Mexico and Arizona, by D. P. Klein, scale 1:250,000, I-1310-D, 1987.....	63
Multidisciplinary studies of an uranium deposit in the San Juan Basin, New Mexico, by V. C. Johnson, and others, U.S. Dept. Energy Grand Junction Office Rept. GJBX-002(83), 1983.....	64
Composite residual total intensity aeromagnetic map of the Socorro region, New Mexico, by Lindrith Cordell, New Mexico Geol. Soc. Guidebook 34, p. 97, 1983.....	65

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Aeromagnetic and Bouguer gravity maps of New Mexico; Part 1, composite residual total intensity aeromagnetic map, by L. Cordell, L. Icerman, and A. Starkey, 14 p., U.S. Dept. Energy Rept. DOE/ID/01717-4, 1983..... (Discusses preparation of the whole state map listed below)	whole state
Composite residual total intensity aeromagnetic map of New Mexico, by Lindrith Cordell, Overlay 2 in Geothermal resources of New Mexico: Scientific Map Series, scale 1:500,000, Natl. Geophys. Data Center, Announcement 84-TGB-05, 1984..... (Map and gridded digital data are available from 10.)	whole state
Regional structural trends inferred from gravity and aeromagnetic data in the New Mexico-Colorado border region, by Lindrith Cordell and G. R. Keller, New Mexico Geol. Soc. Guidebook 35, p. 21-23, 1984.....	66
Remotely sensed limonite anomaly on Lordsburg Mesa, New Mexico; possible implications for uranium deposits, by G. L. Raines and others, Econ. Geol. Bull., v. 80, no. 3, p. 575-590, 1985.....	67
Aeromagnetic map of the Sandia Mountain Wilderness, Bernalillo and Sandoval counties, New Mexico, by D. C. Hedlund and L. E. Cordell, scale 1:50,000, MF-1631-D, 1985.....	68
A geophysical study of basement structure in northeastern New Mexico, by A. S. Suleiman and G. R. Keller, New Mexico Geol. Soc. Guidebook 36, p. 153-159, 1985.....	69
Aeromagnetic map of the Sabinoso area, northeastern New Mexico, scale 1:50,000, OF Rept. 87-334, 1987.....	70
Mineral resources of the Sabinoso Wilderness Study Area, San Miguel County, New Mexico, by A. M. Leibold and others, 12 p., Bulletin 1733-A, 1987.....	70
Aeromagnetic map of the Big Hatchet Mountains and vicinity, southwestern New Mexico, scale 1:50,000, OF Rept. 87-335, 1987.....	71
Mineral resources of the Big Hatchet Mountains Wilderness Study Area, Hidalgo County, New Mexico, by Harald Drewes and others, 22 p., Bulletin 1735-C, 1988.....	71
Aeromagnetic map of the Horse Springs area, western New Mexico, scale 1:50,000, OF Rept. 87-338, 1987.....	72
Mineral resources of the Horse Mountain and Continental Divide Wilderness Study Areas, Catron County, New Mexico, by J. C. Ratte and others, 16 p., Bulletin 1734-C, 1988.....	72
Mineral resources of the Ojito and Cabezon Wilderness Study Areas, Sandoval County, New Mexico, by J. S. Soulliere, C. L. Long and S. E. Tuftin, 14 p., Bulletin 1733-B, 1987.....	73

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Mineral resources of the Antelope Wilderness Study Area, Socorro County, New Mexico, by D. H. Richter, R. W. Saltus, and S. L. Korzeb, 11 p., Bulletin 1734-B, 1987.....	74
Mineral resources of the Rio Chama Wilderness Study Area, Rio Arriba County, New Mexico, by J. L. Ridgley, C. L. Long, and R. A. Schreiner, 12 p., Bulletin 1733-C, 1988.....	75
Mineral resources of the Ignacio Chavez Wilderness Study Area, McKinley and Sandoval counties, New Mexico, by S. J. Soulliere, C. L. Long, and R. A. Schreiner, 13 p., Bulletin 1733-D, 1988.....	76
Mineral resources of the Sierra de la Canas Wilderness Study Area, Socorro County, New Mexico, by S. L. Moore and others, 11 p., Bulletin 1734-D, 1988.....	77
Mineral resources of the Gila Lower Box Wilderness Study Area, Grant and Hidalgo counties, New Mexico, by D. H. Richter and others, 13 p., Bulletin 1735-A, 1988.....	78
Mineral resources of the West Potrillo Mountains-Mount Riley and the Aden Lava Flow Wilderness Study Areas, Dona Ana and Luna counties, New Mexico, by J. E. Kilburn and others, 14 p. Bulletin 1735-B, 1988.....	79
Mineral resources of the Organ Mountains Wilderness Study Area, Dona Ana County, New Mexico, by Steve Ludington and others, 17 p., Bulletin 1735-D, 1988.....	80
Geologic and aeromagnetic map of a part of the Mescalero Apache Indian Reservation, Otero County, New Mexico, by S. L. Moore, E. E. Foord, and G. A. Meyer, scale 1:50,000, I-1775, 1988.....	81
Geophysical anomalies in southwestern New Mexico, by M. V. DeAngelo and G. R. Keller, New Mexico Geol. Soc. Guidebook 39, p. 71-75, 1988.....	82
Aerial gamma-ray contour maps of regional surface concentrations of uranium, potassium, and thorium in New Mexico, by J. S. Duval, 3 sheets, scale 1:750,000, GP-979, 1988.....	whole state
Aerial gamma-ray color contour maps of regional surface concentrations of potassium, uranium, thorium, and composite-color maps of uranium, potassium, thorium and their ratios in New Mexico, by J. S. Duval, 4 sheets, scale 1:1,000,000, GP-980, 1989.....	whole state
Mineral resources of the Little Black Peak and Carizozo Lava Flow Wilderness Study Areas, Lincoln County, New Mexico, by D. B. Stoesser, M. K. Senterfit, and J. E. Zelten, 17 p., Bulletin 1734-E, 1989.....	83

Mineral resources of the Sierra Ladrones Wilderness Study Area, Socorro County, New Mexico, by S. L. Moore and others, 17 p., Bulletin 1734-F, 1989.....	84
Mineral resources of the Rimrock, Sand Canyon, Little Rimrock, and Pinyon Wilderness Study Areas, Cibola County, New Mexico, by C. H. Maxwell, and others, 12 p., Bulletin 1734-G, 1989.....	85
Mineral resources of the Petaca Pinta Wilderness Study Area, Cibola County, New Mexico, by C. H. Maxwell and others, 11 p., Bulletin 1734-H, 1989.....	86
Mineral resources of the Brokeoff Mountains Wilderness Study Area, Otero County, New Mexico, by S. L. Moore and others, 10 p., Bulletin 1735-E, 1989.....	87
Mineral resources of the Cowboy Spring Wilderness Study Area, Hidalgo County, New Mexico, by W. E. Brooks and others, 11 p., Bulletin 1735-F, 1989.....	88
High resolution helicopter EM-MAG survey of the Ortiz Mountains, Santa Fe County, New Mexico, by D. A. Smith and C. J. Nelsen, <u>in</u> Gold Forum on technology and practices; World gold '89; R. B. Bhappu and R. J. Harden, eds., Society for Mining, Metallurgy, and Exploration, Inc., Littleton, Colorado, p. 61-68, 1989.....	89
Mineral resources of the Chamisa, Empedrado, and La Lena Wilderness Study Areas, Sandoval and McKinley counties, New Mexico, by P. J. Modreski and others, 22 p., Bulletin 1733-E, 1990.....	90
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.....	91

Other publications of interest; not shown on index maps:

The Rio Grande trough near Albuquerque, New Mexico, by H. R. Joesting, J. E. Case, and L. E. Cordell, in Prof. Paper 424-D, p. 282-286, 1961. (Reprinted in New Mexico Geol. Soc. Guidebook 12, 1961)

Tertiary extrusive sheets and related intrusions in the Black Range, New Mexico, by G. E. Ericksen and Helmuth Wedow, Jr., New Mexico Geol. Soc. Spec. Pub. no. 5, p. 63-67, 1976.
(Fig. 2 is an aeromagnetic map covering the southeast portion of ref. 22)

An example of the merging of Landsat, topographic, and aeromagnetic data in a geologic and hydrologic study of a karst region; Claunch, New Mexico, by W. A. Fischer, D. G. Orr, and D. D. Greenlee, Int. Sym. Remote Sensing Environ., Proc., no. 12, p. 805-823, 1978.

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Other publications--cont'd:

Importance of the magnetic method in uranium exploration in the Copper Mountain and Grants districts, USA, by J. A. Pigott, W. G. Farley, and D. A. Emilia, in *Compte rendu: methodes de prospection de l'uranium; symposium sur les methodes de prospection de l'uranium -- examen du programme AEN-AIEA de R & D*, Organ. Econ. Coop. and Develop., Paris, France, p. 591-603, 1982.

(Note: paper is in English)

Aeromagnetic map and magnetic source analysis map of the San Simon 15-minute quadrangle, Arizona and New Mexico, by J. C. Wynn and others, 2 sheets, scale 1:62,500, OF Rept. 83-631, 1983.

(Covers New Mexico west of 109°; see Arizona Index for location)

Gravity and magnetic anomalies in the Taos-Eagle Nest-Mora Area, by G. R. Keller and J. M. Gridley, *New Mexico Geol. Soc. Guidebook 41*, p. 88-89, 1990.

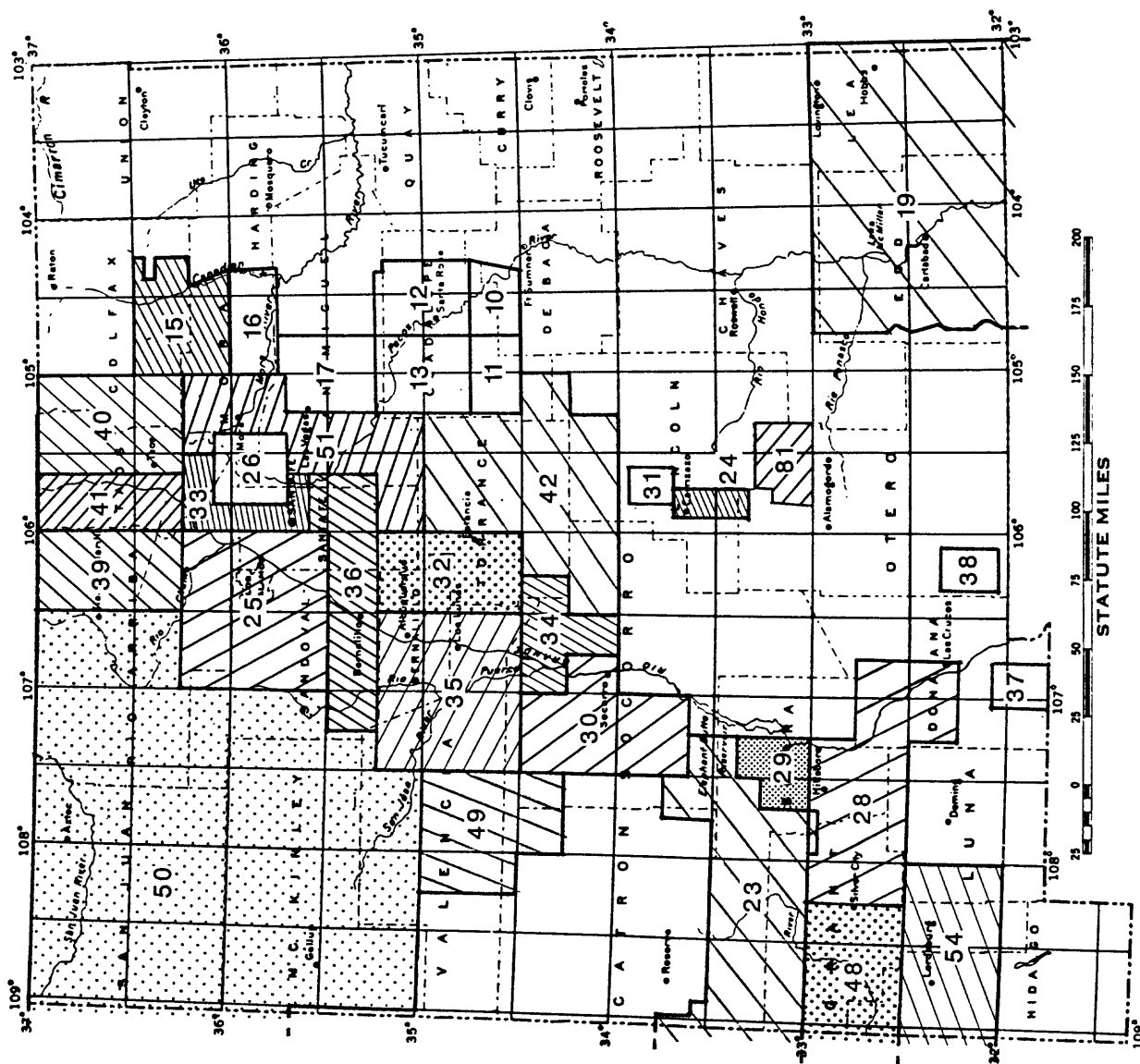
(Shows a small map in northeastern New Mexico)

U.S.G.S. open-file reports for New Mexico are available for viewing at 1, 2, 3, 4, 5, 6, 7, and usually 8. 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. 1C45, Federal Bldg., 1100 Commerce St., Dallas, TX 75242
6. P.I.O., Rm. 8105, Federal Bldg., 125 S. State St., Salt Lake City, UT 84138
7. U.S.G.S., 505 Marquette, NW, Albuquerque, NM 87125
8. New Mexico Bur. of Mines and Min. Resources, Campus Station, Socorro, NM 87801
9. N.T.I.S., 5285 Port Royal Rd., Springfield, VA 22161
10. Nat'l. Geophys. Data Center, NOAA, Code E/GC1, 325 Broadway, Boulder, CO 80303

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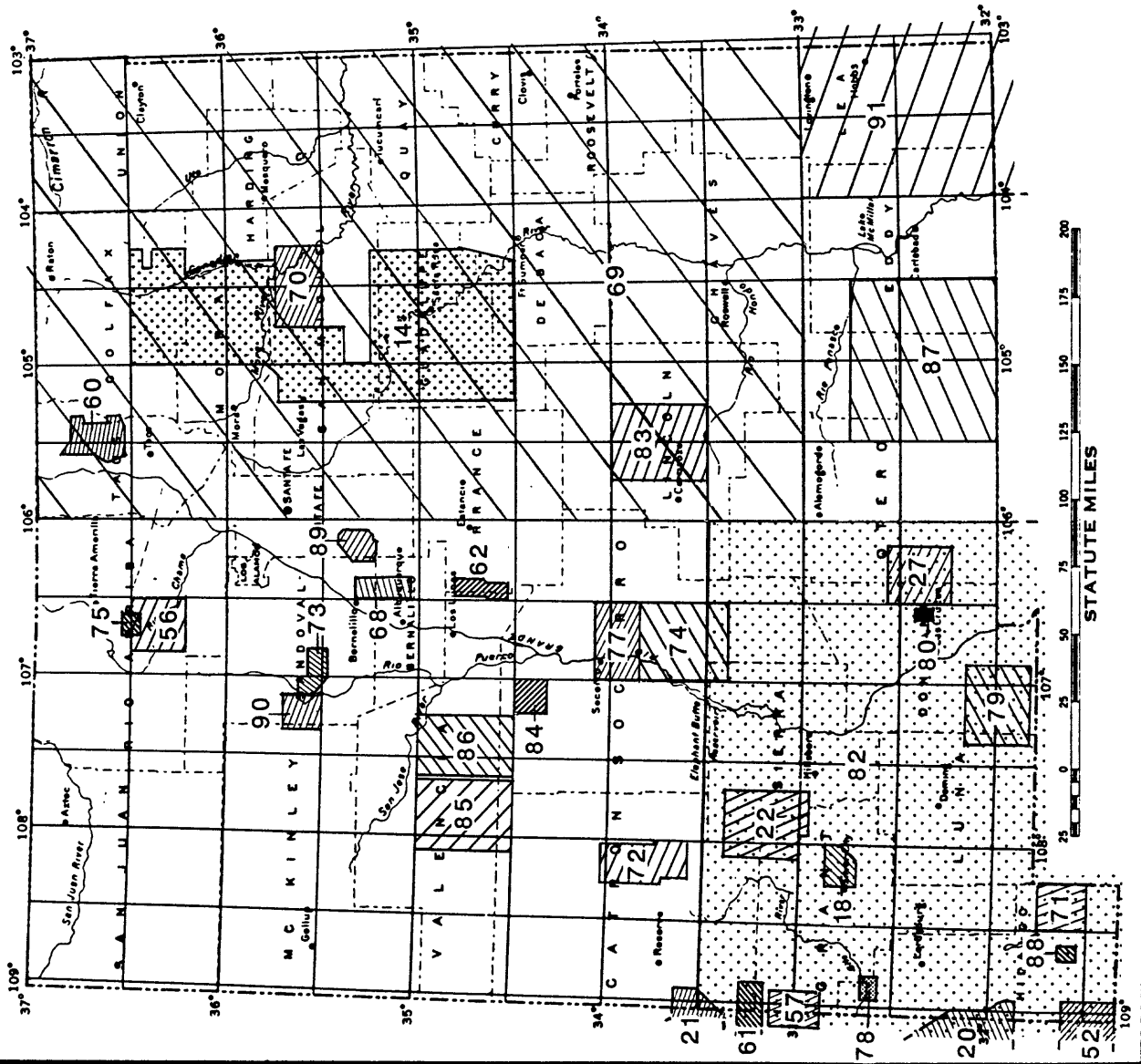
TOPOGRAPHIC DIVISION
ROCKY MOUNTAIN REGION
DENVER, COLORADO



MAP 1

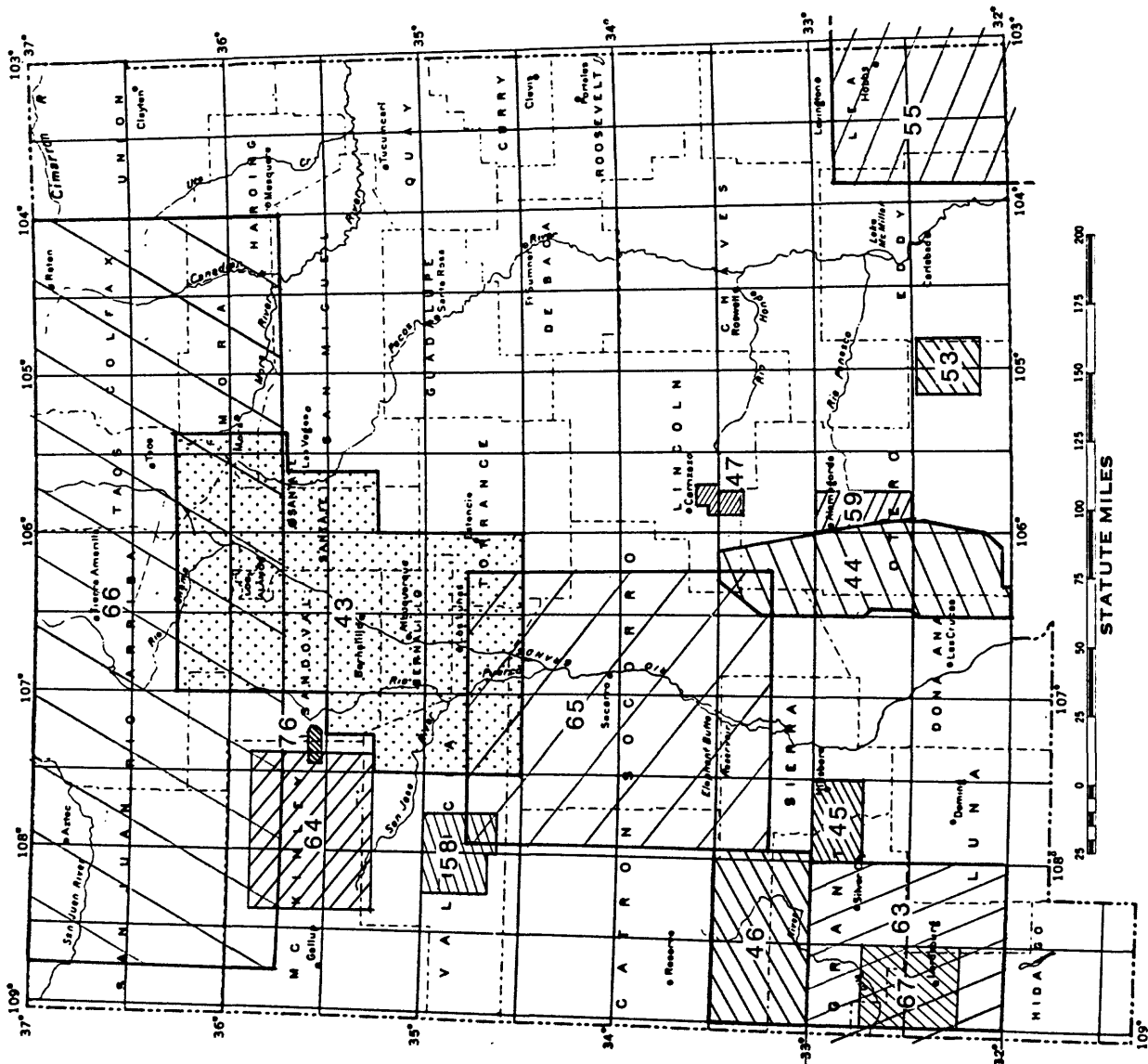
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Aeromagnetic map and geologic interpretation of the west-central Columbia Plateau, Washington, and adjacent Oregon, by D. A. Swanson, T. L. Wright, and Isidore Zietz, scale 1:250,000, GP-917, 1979.....	11
Geologic interpretation of the aeromagnetic map of the Lebanon Quadrangle, Linn and Marion counties, Oregon, by R. W. Bromery, scale 1:62,500, GP-212, 1962.....	12
Aeromagnetic map of the Albany-Newport area, Oregon, and its geologic interpretation, by R. W. Bromery, scale 1:62,500, GP-481, 1965.....	13
Aeromagnetic and gravity surveys of Crater Lake region, Oregon, by M. R. Blank, Jr., <u>in</u> Andesite Conference Guidebook, Oregon Dept. Geol. and Min. Ind. Bull. 62, p. 42-52, 1968.....	14
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Mineral resources of the Eagle Cap Wilderness and adjacent areas, Oregon, by P. L. Weis and others, <u>with a section on</u> Aeromagnetic survey, by W. E. Davis, 100 p., scale 1:62,500, Bulletin 1385-E, 1976.....	20

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Mineral resources of the Lost Forest Instant Wilderness Study Area, Oregon, by G. W. Walker and E. L. McHough, 22 p., aeromagnetic map scale 1:62,500, OF Rept. 80-846, 1980..... (Copies on file 1, 2, 3, 7)	33
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Total field aeromagnetic anomaly map, Cascade Mountain Range, southern Oregon, by R. W. Couch and others, scale 1:250,000, Oregon Dept. Geol. and Min. Ind. Map GMS-17, 1981.....	39
Tectonic setting of the southern Cascade Range as interpreted from its magnetic and gravity fields, by R. J. Blakely and others, Geol. Soc. Am. Bull., v. 96, no. 1, p. 43-48, 1985.....	25 & 39

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Mineral resources of the Badlands Wilderness Study Area and the Badlands Wilderness Study Area additions, Crook and Deschutes counties, Oregon, by J. R. Bergquist and others, 14 p., Bulletin 1744-B, 1990.....	61
Mineral resources of the Soda Mountain Wilderness Area, Jackson County, Oregon, by W. J. Pickthorn and others, 19 p., OF Rept. 90-519, 1990.....	62
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Peralkaline ash flow tuffs and calderas of the McDermitt volcanic field, southeast Oregon and north central Nevada, by J. J. Rytuba and E. H. McKee, *Jour Geophys. Res.*, v. 89, no. B10, p. 8616-8628, 1984.

Oregon and Washington relationship of gravity, magnetics to oil and gas indicators, by A. G. Randall, *Oil and Gas Jour.*, v. 82, no. 43, p. 153-154, 1984.

Compilation of selected geophysical references for the Snake River Plain, Idaho and eastern Oregon, by R. L. Whitehead, scale 1:1,000,000, GP-969, 1986.

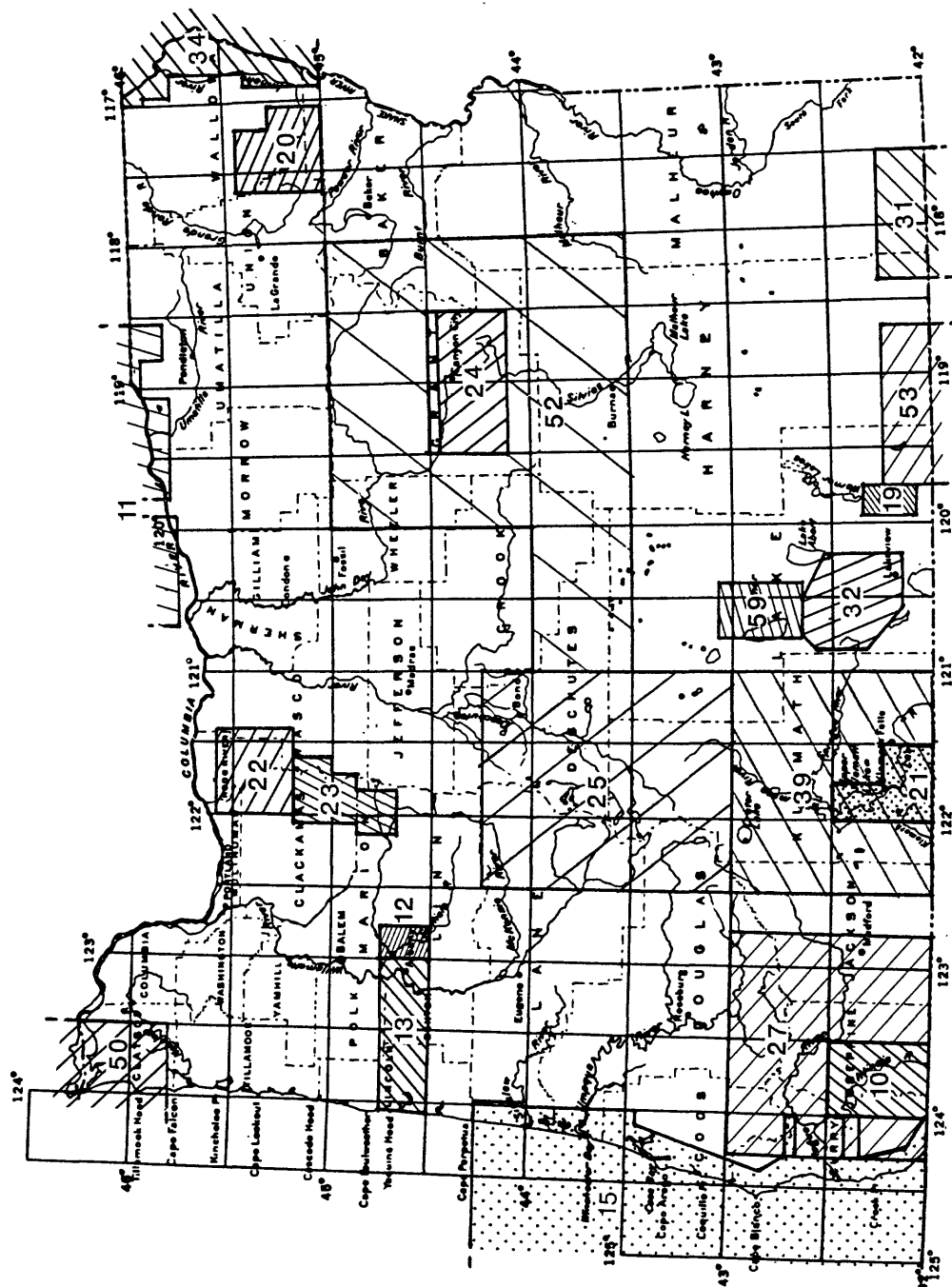
Tectonics and conductivity structures in the southern Washington Cascades, by W. D. Stanley, Carol Finn and J. L. Plesha, *Jour. Geophys. Res.*, v. 92, no. B10, p. 10,179-10,193, 1987.

U.S.G.S. open-file reports for Oregon are available for viewing at 1, 2, 3, 4, 5, 6, and 7. Additional locations for viewing reports which overlap into adjacent states are listed in that state's index.

Oregon Department of Geology and Mineral Industries Open-file reports and GMS maps are available from 7. 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
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. 7638, Federal Bldg., 300 N. Los Angeles St., Los Angeles, CA 90012
5. P.I.O., Rm. 678, U.S. Courthouse, W. 920 Riverside Ave., Spokane, WA 99201
6. P.I.O., Rm. 504, Custom House, 555 Battery St., San Francisco, CA 94111
7. Oregon Dept. of Geol. and Mineral Ind., 1069 State Office Bldg., 1400 SW Fifth Ave., Portland OR 97201
8. N.T.I.S., 5285 Port Royal Rd., Springfield, VA 22161

OREGON



MAP 1

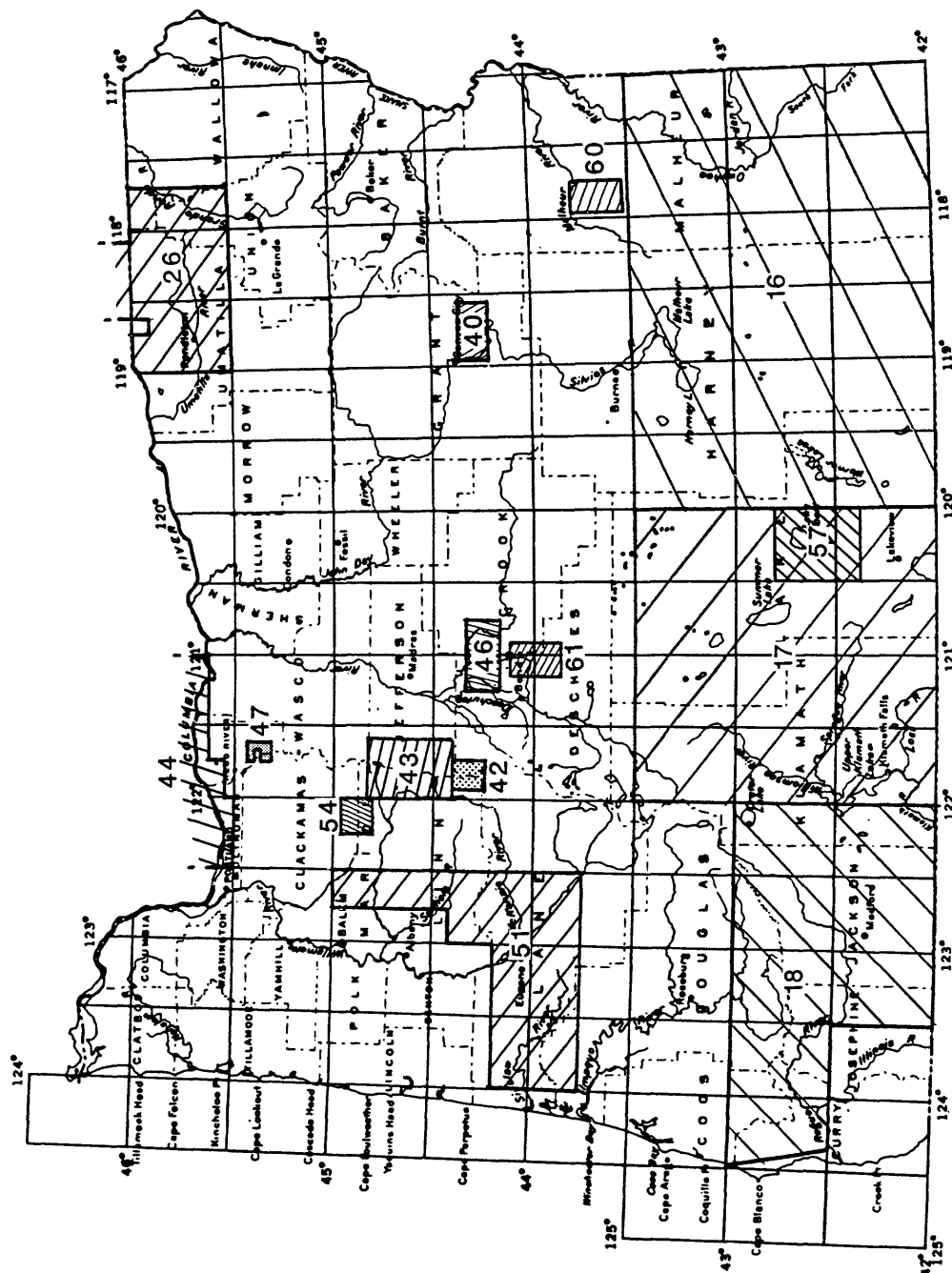
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MAP 2

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Regional geophysical investigations of the Moab-Needles area, Utah, by H. R. Joesting, J. E. Case, and Donald Plouff, 21 p., scale 1:125,000, Prof. Paper 516-C, 1966.....	23
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Seismic reflection and aeromagnetic surveys of the Great Salt Lake, Utah, by M. J. Mikulich and R. B. Smith, Geol. Soc. Am. Bull., v. 85, no. 6, p. 991-1002, 1974.....	34

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A summary of the geology, geochemistry, and geophysics of the Roosevelt Hot Springs thermal area, Utah, by S. H. Ward, W. T. Parry, and W. P. Nash, Geophysics, v. 43, no. 7, p. 1515-1542, 1978..... (Area covered is less than shown)	37
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Simultaneous inversion modeling of gravity and aeromagnetic data applied to a geothermal study in Utah, by L. F. Serpa and K. L. Cook, Geophysics, v. 49, no. 8, p. 1327-1337, 1984.....	45
Gravity survey of the Escalante Desert and vicinity, in Iron and Washington counties, Utah, by W. Pe and K. L. Cook, 169 p., U.S. Dept. Energy Rept. DOE/ID/12079-14, 1980..... (Fig. 2 is an aeromagnetic map)	46
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Aeromagnetic map of the Burch Creek area, Utah, scale 1:62,500, OF Rept. 81-931, 1981.....	47
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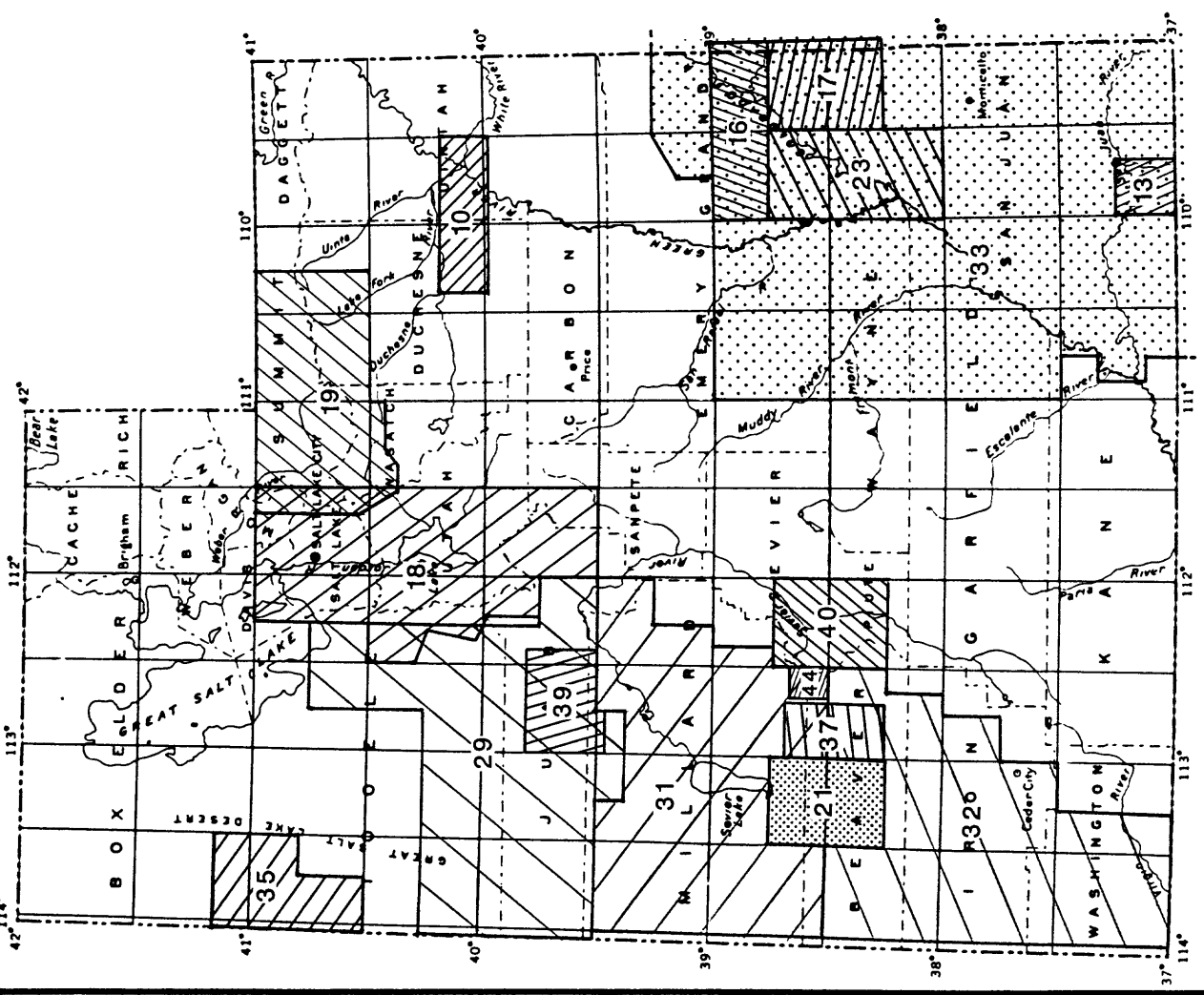
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1. U.S.G.S. Library, Rm. 4-A-100, 12201 Sunrise Valley Dr., Reston, VA 22092
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3. U.S.G.S. Library, 345 Middlefield Rd., Menlo Park, CA 94025
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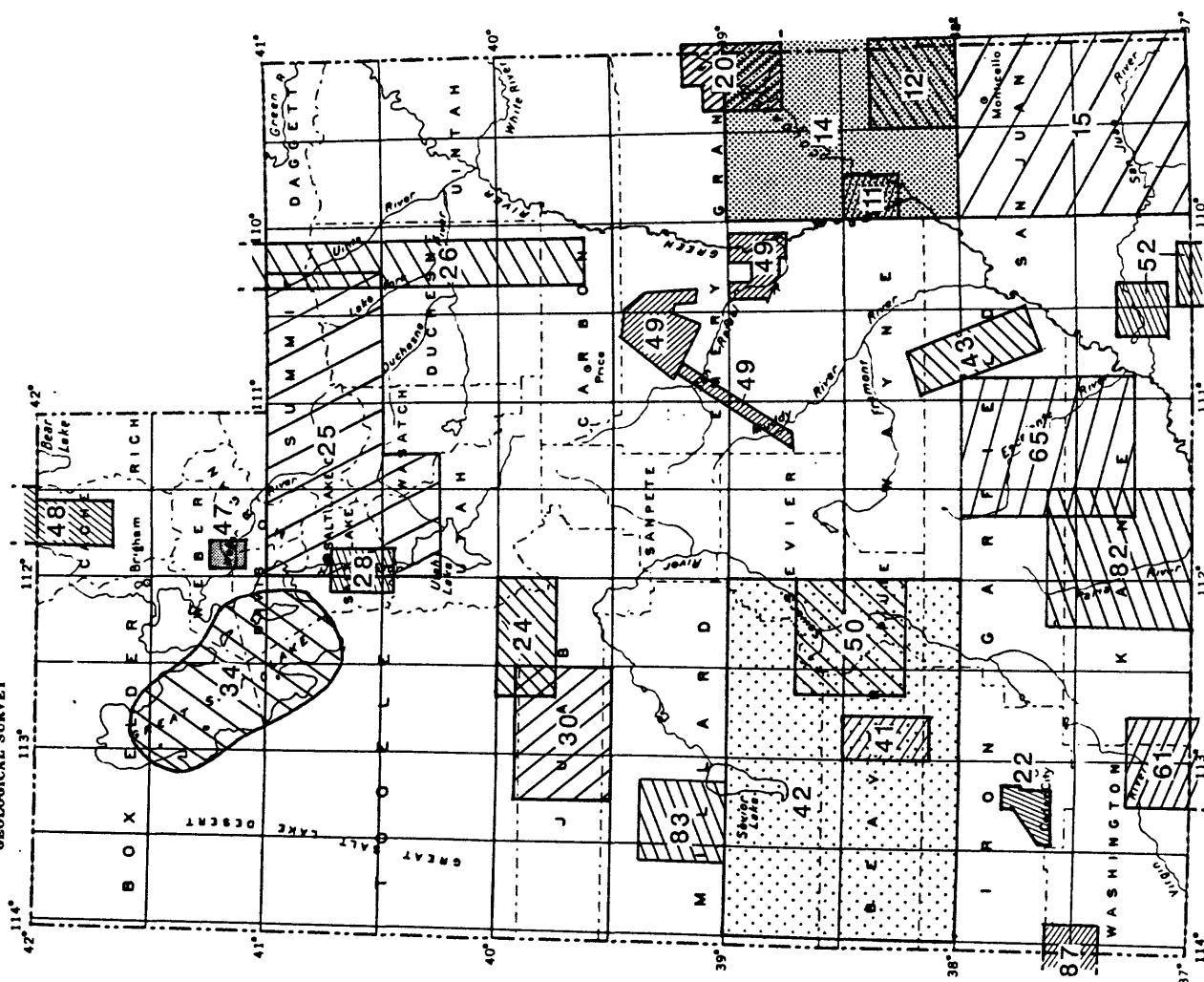
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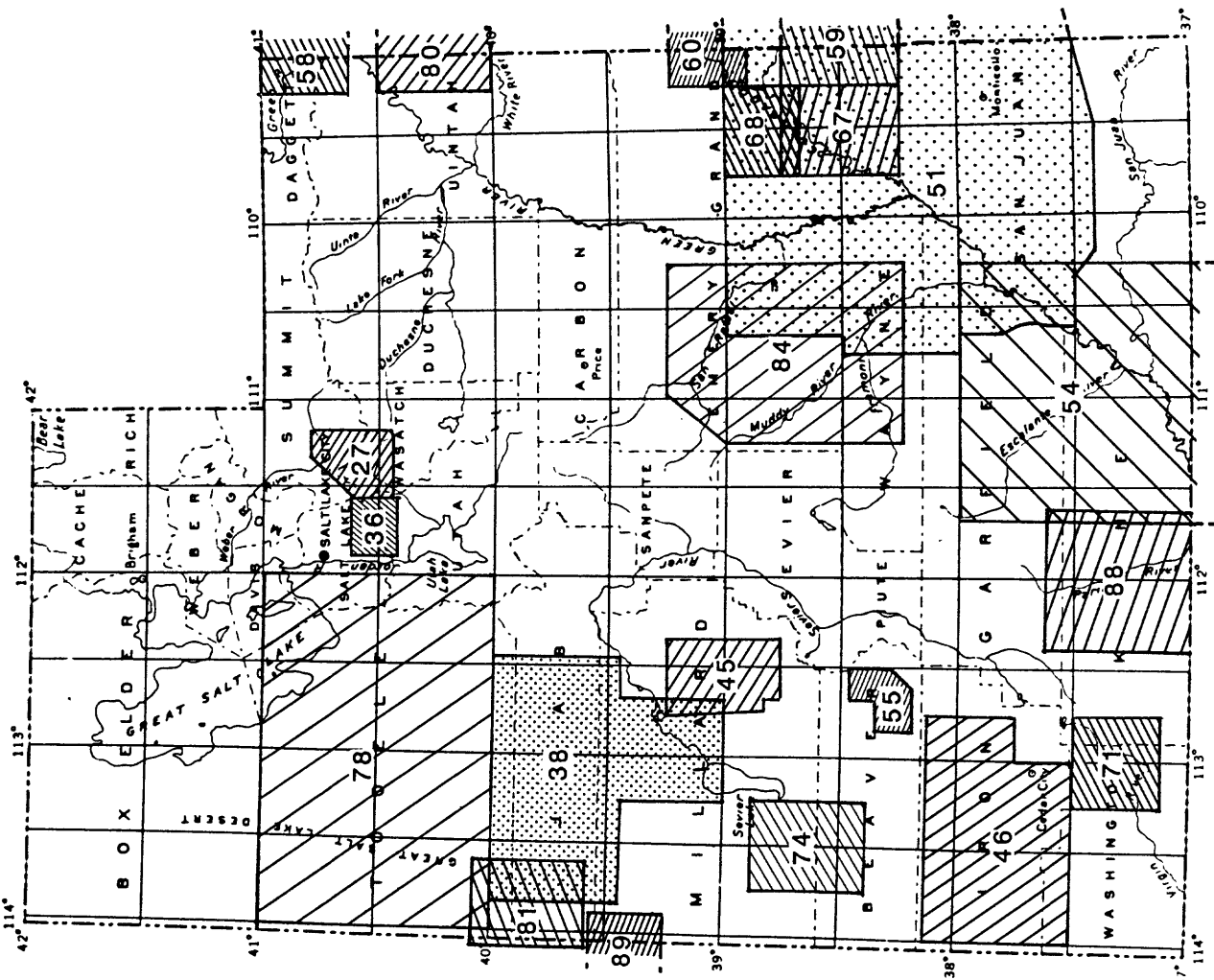
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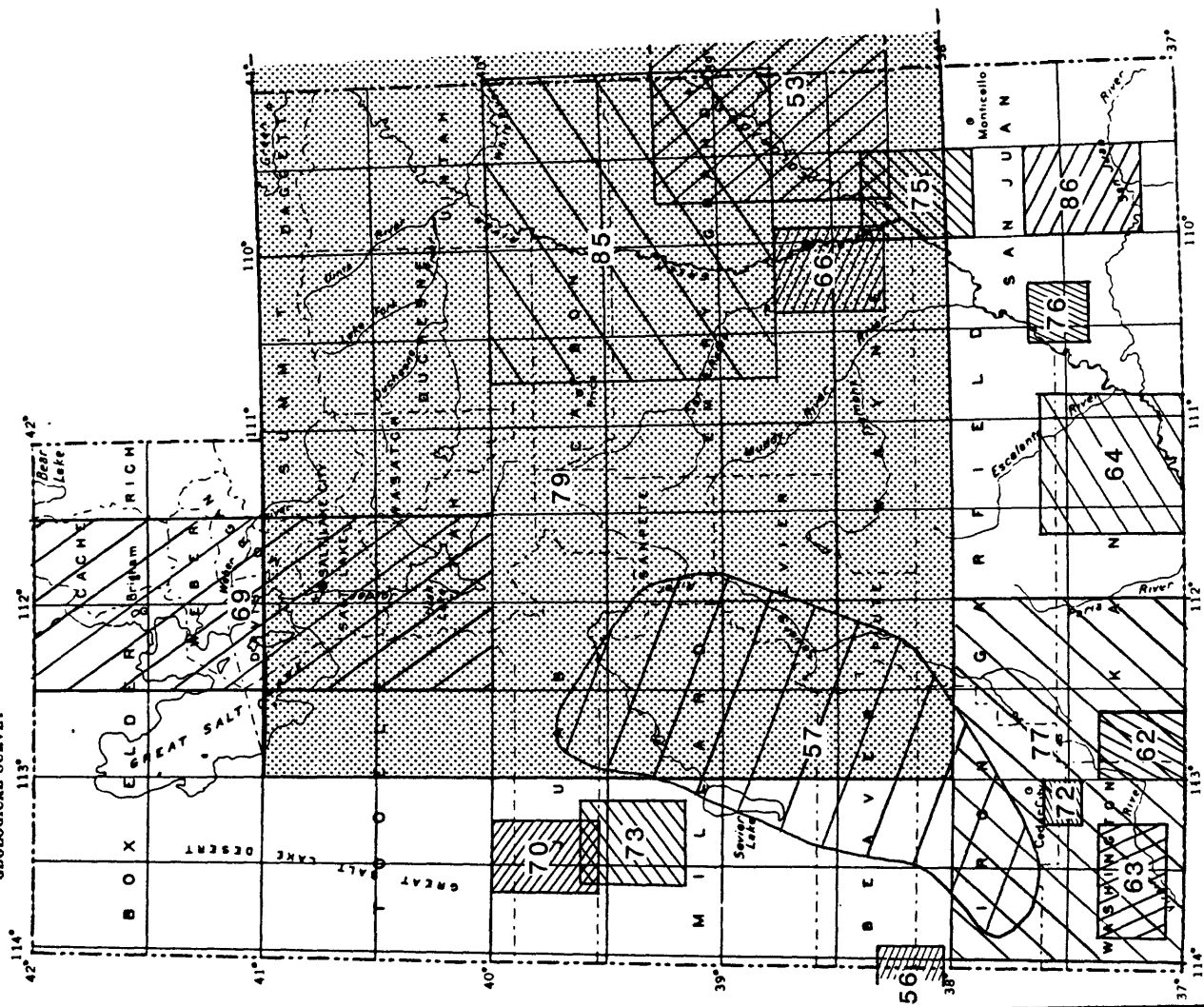
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(Shows five aeromagnetic profiles)

Geophysical survey in south central Washington, by D. L. Konicek, Northwest Sci., v. 49, no. 2, p. 106-117, 1975.

Airborne electromagnetic surveys of the Cascade Range, western United States, by D. C. Fraser and D. B. Hoover, 64 p., 30 sheets, scale 1:24,000, OF Rept. 83-092, 1983.
(Shows aeromagnetic contours on the north flank of Mt. St. Helens)
(Copies on file at 1, 2, 3)

Oregon and Washington relationship of gravity, magnetics to oil and gas indicators, by A. G. Randall, Oil and Gas Jour., v. 82, no. 43, p. 153-155, 1984.

Lineament analysis and structural mapping of the Trans-Idaho discontinuity and their implications for regional tectonic models, by C. F. Pitz and R. L. Thiessen, Internat. Conf. Basement Tectonics, no. 6, p. 16-24, 1986.

Tectonics and conductivity structures in the southern Washington Cascades, by W. D. Stanley, Carol Finn and J. L. Plesha, Jour. Geoph. Res., v. 92, no. B10, p. 10,179-10,193, 1987.
(Covers state south of 48° and west of 120°)

Structure of the convergent Washington margin, by Carol Finn, in OF Rept. 89-178, p. 291-317, 1989. (Covers west half of the state)

Deep crustal structure of the Cascade Range and surrounding regions from seismic refraction and magnetotelluric data, by W. D. Stanley, W. D. Mooney, and G. S. Fuis, Jour. Geophys. Res., v. 95, no. B12, p. 19,419-19,438, 1990.

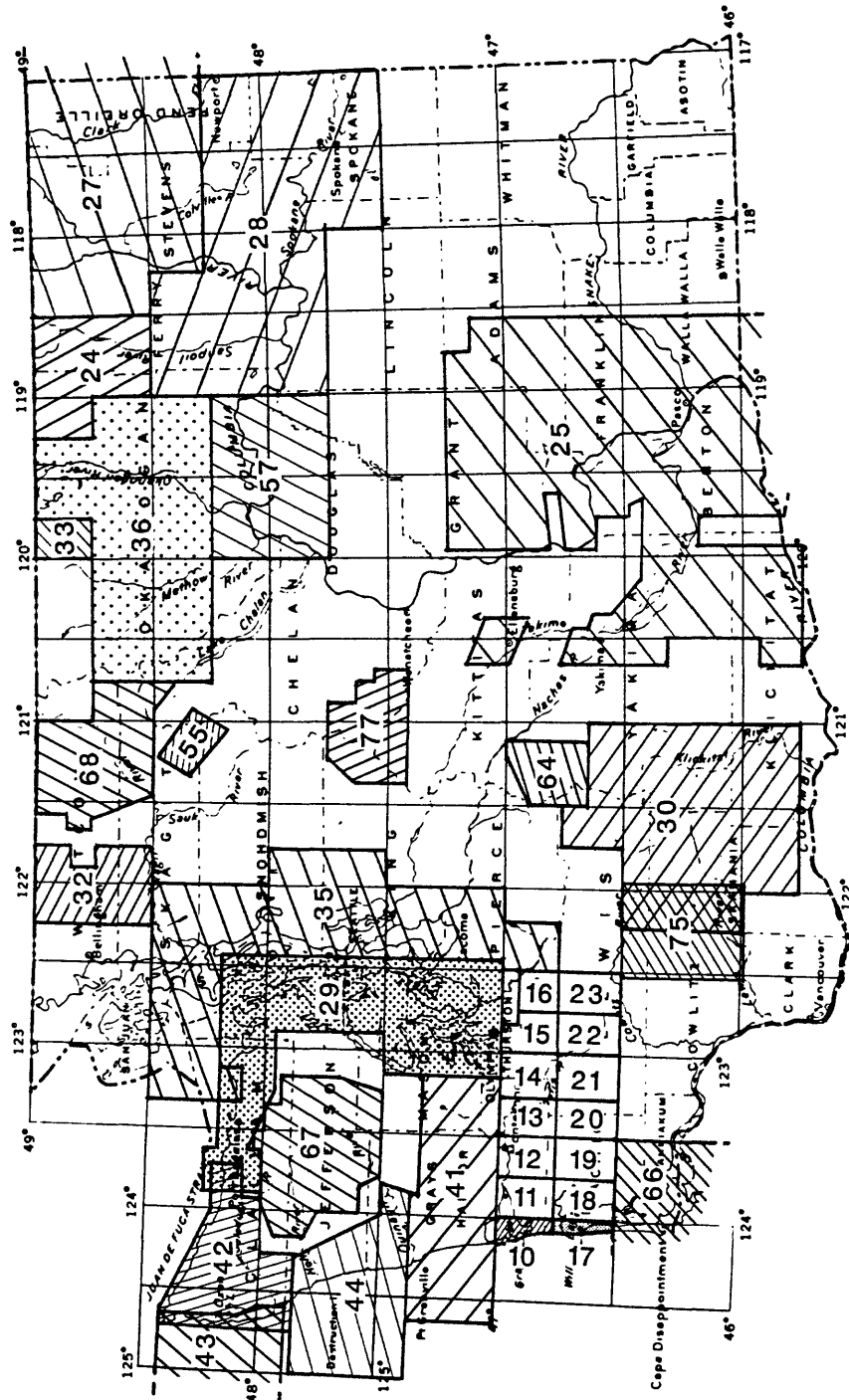
Geophysical constraints on Washington convergent margin structure, by Carol Finn, Jour. Geophys. Res., v. 95, no. B12, p. 19,533-19,546, 1990.
(Covers west half of the state)

WASHINGTON AIRBORNE (cont'd)

U.S.G.S. open-file reports for Washington are available for viewing at 1, 2, 3, 4, 5, 6, and sometimes 7. Additional locations for viewing reports which overlap into adjacent states are listed in that state's index.

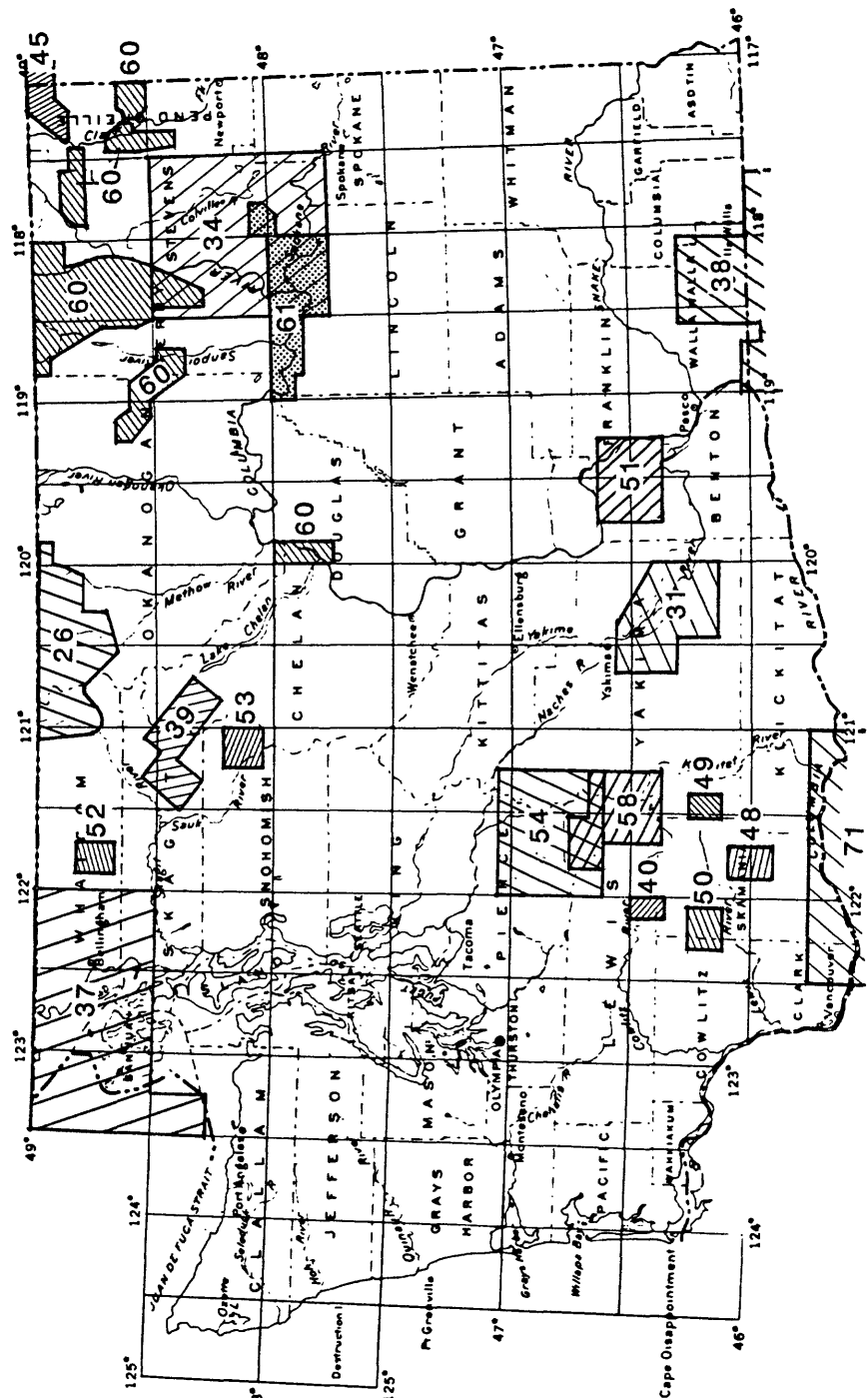
1. U.S.G.S. Library, Rm. 4-A-100, 12201 Sunrise Valley Dr., Reston, VA 22092
2. U.S.G.S. Library, Rm. C2002, Bldg. 20, Federal Center, Box 25046,
Stop 914, Denver, CO 80225
3. U.S.G.S. Library, 345 Middlefield Rd., Menlo Park, CA 94025
4. P.I.O., Rm. 7638, Federal Bldg., 300 N. Los Angeles St., Los Angeles, CA 90012
5. P.I.O., Rm. 678, U.S. Courthouse, W. 920 Riverside Ave., Spokane, WA 99201
6. P.I.O., Rm. 504, Customhouse, 555 Battery St., San Francisco, CA 94111
7. Washington Div. of Geol. and Earth Resources, Dept of Nat. Resources,
Olympia, WA 98504
8. N.T.I.S., 5285 Port Royal Rd., Springfield, VA 22161

WASHINGTON



MAP 1

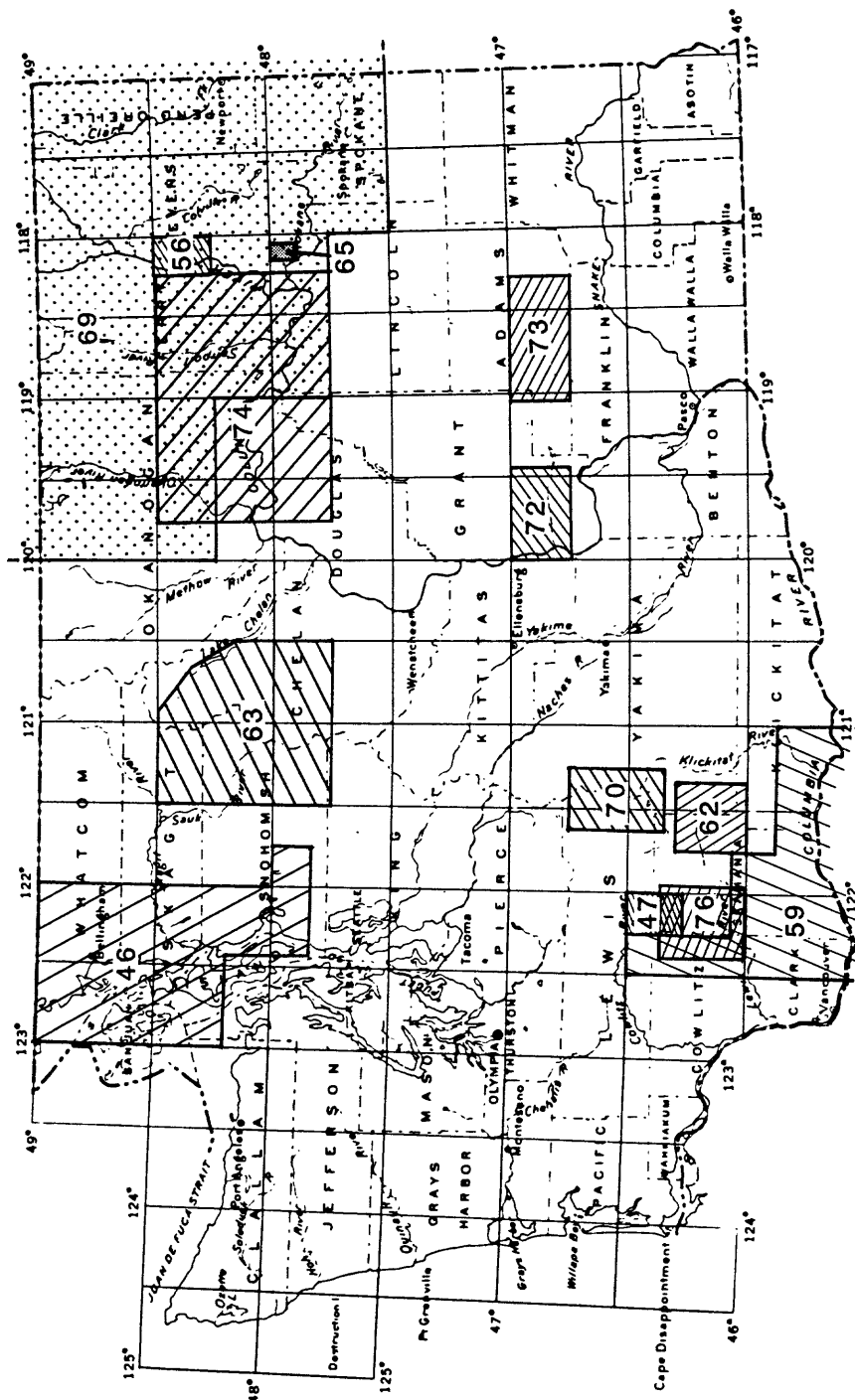
WASHINGTON



MAP 2

WASHINGTON

TOPOGRAPHIC DIVISION
PACIFIC AREA
MENLO PARK, CALIFORNIA



MAP 3

WYOMING AIRBORNE INDEX

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

(Repository and some source locations are listed on page 150 except where noted.)

	Map ref.
Aeromagnetic profiles of the Big Horn Basin area, by J. R. Balsley, H. E. Hawkes, and R. D. Thurmond, scale 1:500,000, OF 48-004, 1948.....	10
(Copies on file at 1, 6)	
Aeromagnetic map of south-central Fremont County, Wyoming, by W. J. Dempsey and others, scale 1:125,000, GP-393, 1962.....	11
Aeromagnetic map of the northeastern part of the Wind River Indian Reservation, Wyoming, by W. J. Dempsey and others, scale 1:62,500, GP-400, 1963.....	12
Aeromagnetic map of the Seminoe Mountains and vicinity, Carbon County, Wyoming, by P. W. Philbin and W. E. McCaslin, scale 1:48,000, GP-558, 1966.	13
A geophysical study in Grand Teton National Park and vicinity, Teton County, Wyoming, by J. C. Behrendt and others, 22 p. scale 1:250,000, Prof. Paper 516-E, 1968.....	14
Preliminary interpretation of aeromagnetic and gravity data near the Large Aperature Seismic Array, Montana, by Isidore Zietz, Carter Hearne, and Donald Plouff, aeromagnetic map scale 1:500,000, OF Rept. 68-340, 1968....	15
(Copies on file at 1, 2, 3)	
An aeromagnetic survey of the Uinta Mountains, by N. C. Steenland, Intermtn. Assoc. Geol., 16th Field Conf. Guidebook, p. 47-51, 1969.....	16
Aeromagnetic map of part of the Ragged Top Mountain Quadrangle, Albany and Laramie counties, Wyoming, scale 1:62,500, GP-410, 1971.....	17
Mineral resources of the Glacier Primitive Area, by H. C. Granger and others, 13 p., aeromagnetic map scale 1:62,500, Bulletin 1319-F, 1971.....	18
Mineral resources of the Popo Agie Primitive Area, Fremont and Sublette counties, Wyoming, by R. C. Pearson, T. H. Killsgaard, and L. L. Patten, <u>with a section on</u> Interpretation of aeromagnetic data, by R. E. Mattick, 55 p., scale 1:62,500, Bulletin 1353-B, 1971.....	19
Mineral resources of the Cloud Peak Primitive Area, Wyoming, by T. H. Killsgaard and others, 60 p., aeromagnetic map scale 1:63,360, Bulletin 1371-C, 1972.....	20
Aeromagnetic map of Yellowstone National Park and vicinity, Wyoming-Montana-Idaho, 4 sheets, scale 1:125,000, OF Rept. 73-304, 1973.....	21
Magma beneath Yellowstone National Park, by G. P. Eaton and others, Science, v. 188, p. 787-796, 1975.....	21

WYOMING AIRBORNE (cont'd)

Map ref.

Analysis of magnetic anomalies over Yellowstone National Park: Mapping of Curie point isothermal surface for geothermal reconnaissance, by B. K. Bhattacharyya and Lei-Kuang Leu, Jour. Gephys. Res., v. 80, no. 12, p. 4461-4465, 1975.....	21
Airborne gamma-ray spectrometry and aeromagnetic survey of part of the southern Powder River Basin in Converse County, Wyoming, by K. A. Schulz, 5 p., OF Rept. 75-661, 1975.....	22
Aeromagnetic map of part of the southern Powder River Basin, Wyoming, by J. S. Duval, J. A. Pitkin, and D. L. Macke, scale 1:125,000, OF Rept. 77-621, 1977.....	22
Aerial gamma-ray maps of part of the southern Powder River Basin in Converse County, Wyoming, by D. L. Macke, J. S. Duval, and J. A. Pitkin, scale 1:125,000, MF-956, 1978.....	22
Airborne geophysical survey, Wind River Basin area, Wyoming, by Texas Instruments, Inc., v.p., 118 sheets, scale 1:250,000, U.S. Atomic Energy Comm., Grand Junction Office Rept. GJO-1631-1, 1975.....	23
Study of airborne gamma-ray spectrometer data procedures, Wind River Basin, Wyoming, by Texas Instruments, Inc. 5 vols., scale 1:500,000, U.S. Dept. Energy, Grand Junction Office Rept. GJBX-040(79), 1979.....	23
Mineral resources of areas adjacent to the Cloud Peak Primitive Area, Wyoming, by Kenneth Segerstrom and R. C. Weisner, <u>with a section on</u> Aeromagnetic interpretation, by D. G. Jackson, 37 p., scale 1:63,360, Bulletin 1391-D, 1976.....	24
Aeromagnetic map of Keystone and vicinity, Wyoming, scale 1:62,500, OF Rept. 76-687, 1976.....	25
Modeling of aeromagnetic data from the Precambrian Lake Owens mafic complex, Wyoming, by P. N. Shive, R. S. Houston, and R. J. Blakely, Geol. Soc. Am. Bull., v. 102, no. 9, p. 1317-1322, 1990.....	25
Aeromagnetic map of the Gros Ventre area, Wyoming, scale 1:62,500, OF Rept. 77-373, 1977.....	26
Comparisons of ground magnetic values of vertical, horizontal, and total-field intensity with airborne total-field measurements in the Medicine Bow, Wyoming, area, by J. D. Wood and H. E. Kaufman, OF Rept. 77-827, 1977.....	27
Mineral resources of the Laramie Peak Study Area, Albany and Converse counties, Wyoming, by K. Segerstrom and R. C. Weisner, <u>with a section on</u> Aeromagnetic interpretation, by M. D. Kleinkopf, 35 p., scale 1:48,000, Bulletin 1397-B, 1977.....	28

WYOMING AIRBORNE (cont'd)

Map ref.

Yellowstone hot spot: Contemporary tectonics and crustal properties from earthquake and aeromagnetic data, by R. B. Smith and others, Jour. Geophys. Res., v. 82, no. 26, p. 3665-3676, 1977.....	29
Mineral resources of the Beartooth Primitive Area and vicinity, Carbon, Park, Stillwater, and Sweet Grass counties, Montana, and Park County, Wyoming, by F. S. Simons and others, <u>with a section on</u> Interpretation of aeromagnetic data, by L. A. Anderson, 125 p., scale 1:125,000, Bulletin 1391-F, 1979.....	30
Mineral resources of the Du Noir Addition, Washakie Wilderness, Fremont County, Wyoming, by H. J. Prostka and others, <u>with a section on</u> Aeromagnetic survey, by M. D. Kleinkopf, 35 p., Bulletin 1472, 1979.....	31
Aerial gamma ray and magnetic survey; Gillette detail project, Wyoming, by Geometrics, Inc., 2 vols., scale 1:62,500, U.S. Dept. Energy, Grand Junction Office Rept. GJBX-112(79), 1979.....	32
Integration of LANDSAT with geology and airborne geophysics into an operational mineral exploration system; final report, by R. J. P. Lyon and M. F. Crawford, Stanford University, NTIS Rept. N82-16446, 1981..... (Uses Gillette detail area as an example) (Copies available from 7)	32
Aerial gamma ray and magnetic survey; Powder River R and D project, portions of the Forsyth and Hardin, Montana, quadrangles, Sheridan and Arminto, Wyoming quadrangles, by Geometrics, Inc., 2 vols., Arminto detail scale 1:62,500, U.S. Dept. Energy, Grand Junction Office Rept. GJBX-113(79), 1979. (Only the Arminto detail is shown; remainder of survey consists of 6-12 mile spaced profiles in parts of the quadrangles listed above.)	33
Geology and mineral resources of the North Absaroka Wilderness and vicinity, Park County, Wyoming, by W. H. Nelson, H. J. Prostka, and F. E. Williams, <u>with a section on</u> Aeromagnetic survey, by D. L. Peterson, 101 p., scale 1:125,000, Bulletin 1447, 1980.....	34
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..... (Copies on file at 1, 2, 3)	35
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, W. J. Hinze, ed., Soc. Explor. Geophys., p. 233-247, 1985.....	35
Aeromagnetic map of the Palisades area, Idaho and Wyoming, scale 1:62,500, OF Rept. 81-1161, 1981.....	36
Aeromagnetic map of the Sublette Range area, Idaho and Wyoming, scale 1:62,500, OF Rept. 81-1163, 1981.....	37

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Mineral resources of the Raymond Mountain Wilderness Study Area, Lincoln County, Wyoming, by Karen Lund and others, 13 p., Bulletin 1757-I, 1990...	37	
Aerial radiometric and magnetic surveys, Snowy Range Wilderness Study Area, and contiguous area, southeastern Wyoming, by J. S. Duval and J. A. Pitkin, scale 1:50,000, MF-1366-A, 1981.....	38	
Two-dimensional coherence analysis of magnetic and gravity data from Casper Quadrangle, Wyoming; final report, by QEB, 46 p., scale 1:500,000, U.S. Dept. Energy, Grand Junction Office Rept. GJBX-352(81), 1981.....	39	
Geophysical studies, by J. A. Pigott and R. P. Trujillo, <u>in</u> An exploration systems approach to the Copper Mountain area uranium deposits, central Wyoming, D. Sayala, ed., scale 1:62,500, U.S. Dept. Energy, Grand Junction Office Rept. GJBX-201(82), p. 431-471, 1982.....	40	
Statistical techniques applied to aerial radiometric surveys (STAARS); cluster analysis, by F. L. Pirkle and others, 38 p., U.S. Dept. Energy, Grand Junction Office Rept. GJBX-202(82), 1982.....	40	
Copper Mountain, Wyoming, Intermediate-Grade Uranium Resource Assessment Project; final report, by M. E. Madson, J. R. Ludlam and L. M. Fukui, 44 p., U.S. Dept. Energy, Grand Junction Office Rept. GJBX-223(82), 1982..	40	
Importance of the magnetic method in uranium exploration in the Copper Mountain and Grants districts, USA, by J. A. Pigott, W. G. Farley, and D. A. Emilia, <u>in</u> Compte rendu: Methodes de prospection de l'uranium; Symposium sur les methodes de prospection de l'uranium -- examen du programme AEN-AIEA de R & D, Organization of Economic Cooperation and Development, Paris, p. 591-603, 1982.....	40	
The application of NURE data to the study of crystalline rocks in the Wyoming uranium province, by S. M. Rush, J. R. Anderson, and J. E. Bennett, 71 p., aeromagnetic map scale 1:1,000,000, U.S. Dept. Energy, Grand Junction Office Rept. GJBX-014(83), 1983.....		whole state
Uranium anomalies in Wyoming and parts of adjacent states, by C. S. Good-knight and others, 119 p., 23 pls., scale 1:500,000, U.S. Dept. Energy, Grand Junction Office Rept. GJBX-003(83), 1983.....		whole state
(Ground and airborne radiometrics were used to evaluate the anomalies)		
Airborne gamma-ray spectrometer and magnetometer survey; Sierra Madre, Wyoming, detail area, by High Life Helicopters, 8 vols., scale 1:62,500, U.S. Dept. Energy, Grand Junction Office Rept. GJBX-034(83), 1983.....	41	
Airborne EM (INPUT)/magnetometer survey, State Line District, Colorado-Wyoming, by N. R. Paterson and D. A. MacFadyen, Trans. AIME, v. 280, p. 1935-1942, 1986.....	42	
Basement tectonic controls on structural style of the Laramide thrust belt interpreted from gravity and magnetic data, by R. I. Gibson, Wyoming Geol. Assoc. Guidebook 38, p. 27-35, 1987.....	43	

WYOMING AIRBORNE (cont'd)

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Mineral resources of the Gros Ventre Wilderness Study Area, Teton and Sublette counties, Wyoming, by F. S. Simons and others, 65 p., scale 1:48,000, Bulletin 1591, 1988.....	44
Mineral resources of the Pryor Mountain, Burnt Timber Canyon, and Big Horn Tack-on Wilderness Study Areas, Carbon County, Montana, and Big Horn County, Wyoming, by C. G. Patterson and others, 15 p., Bulletin 1723, 1988.	45
Mineral resources of the Honeycombs Wilderness Study Area, Washakie County, Wyoming, by J. D. Peper and others, 17 p., Bulletin 1756-C, 1988..	46
Mineral resources of the Sweetwater Canyon Wilderness Study Area, Fremont County, Wyoming, by W. C. Day and others, 22 p., Bulletin 1757-D, 1988....	47
Mineral resources of the Medicine Lodge, Alkali Cree, and Trapper Creek Wilderness Study Areas, Big Horn County, Wyoming, by J. W. Hosterman and others, 18 p., Bulletin 1756-A, 1989.....	48
Mineral resources of the Owl Creek Wilderness Study Area, Hot Springs County, Wyoming, by D. J. Bove and others, 13 p., Bulletin 1756-D, 1989...	49
Mineral resources of the Bobcat Draw Badlands Wilderness Study Area, Big Horn and Washakie counties, Wyoming, by A. B. Gibbons and others, 15 p., Bulletin 1756-E, 1989.....	50
Mineral resources of the Prospect Mountain Wilderness Study Area, Carbon County, Wyoming, by E. A. du Bray and others, 8 p., Bulletin 1757-E, 1989.	51
Mineral resources of the Encampment River Canyon Wilderness Study Area, Carbon County, Wyoming, by E. A. du Bray and others, 9 p., Bulletin 1757-F, 1989.....	52
Mineral resources of the Teton Wilderness and adjacent areas, Teton, Fremont, and Park counties, Wyoming, by J. C. Antweiler and others, 105 p., 7 plates, scale 1:125,000, Bulletin 1781, 1989.....	53
Mineral resources of the McCullough Peaks Wilderness Study Area, Park County, Wyoming, by D. G. Hadley and others, 28 p., Bulletin 1756-F, 1990.	54
Mineral resources of the Adobe Town Wilderness Study Area, Sweetwater County, Wyoming, by R. E. Van Loenen and others, 15 p., Bulletin 1757-H, 1990.....	55

Other publications of interest; not shown on index maps:

Airborne radioactivity surveys in geologic exploration, by R. M. Moxham, Geophysics, v. 25, no. 2, p. 408-432, 1960.

Oil fields and aeromagnetic anomalies, by N. C. Steenland, Geophysics, v. 30, no. 5, p. 706-739, 1965. (Contains an aeromagnetic map of Grieve Field)

WYOMING AIRBORNE (cont'd)

Other publications--cont'd:

Airborne geophysical survey, Powder River Basin area, Wyoming-Montana, by Texas Instruments, Inc., v.p., 87 sheets, scale 1:250,000, U.S. Atomic Energy Comm., Grand Junction Office Rept. GJO-1631-2, 1975.

Regional geomorphic lineaments on satellite imagery--Their origin and applications, by D. F. Saunders and D. E. Hicks, Internat. Conf. Basement Tectonics, no. 2, p. 326-352, 1979. (Area covered is same as ref. 31)

Multidisciplinary studies of uranium deposits in the Red Desert, Wyoming, by T. Wayland and others, 402 p., U.S. Dept. Energy, Grand Junction Office Rept. GJBX-001(83), 1983.

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.

Regional structure and facies control in the Powder River Basin, Wyoming and Montana, interpreted from satellite imagery, by R. W. Marrs, R. S. Martinsen, and G. L. Rains, Proc., Internat. Sym. Remote Sensing Environ., 3rd Thematic Conf., p. 25-34, 1984.

Remote sensing-aided mineral resource assessment: Bighorn Basin, Wyoming, Wilderness Study Areas, by S. S. Barrell and others, Proc. Internat. Sym. Remote Sensing Environ., 3rd Thematic conf., p. 513-521, 1984.

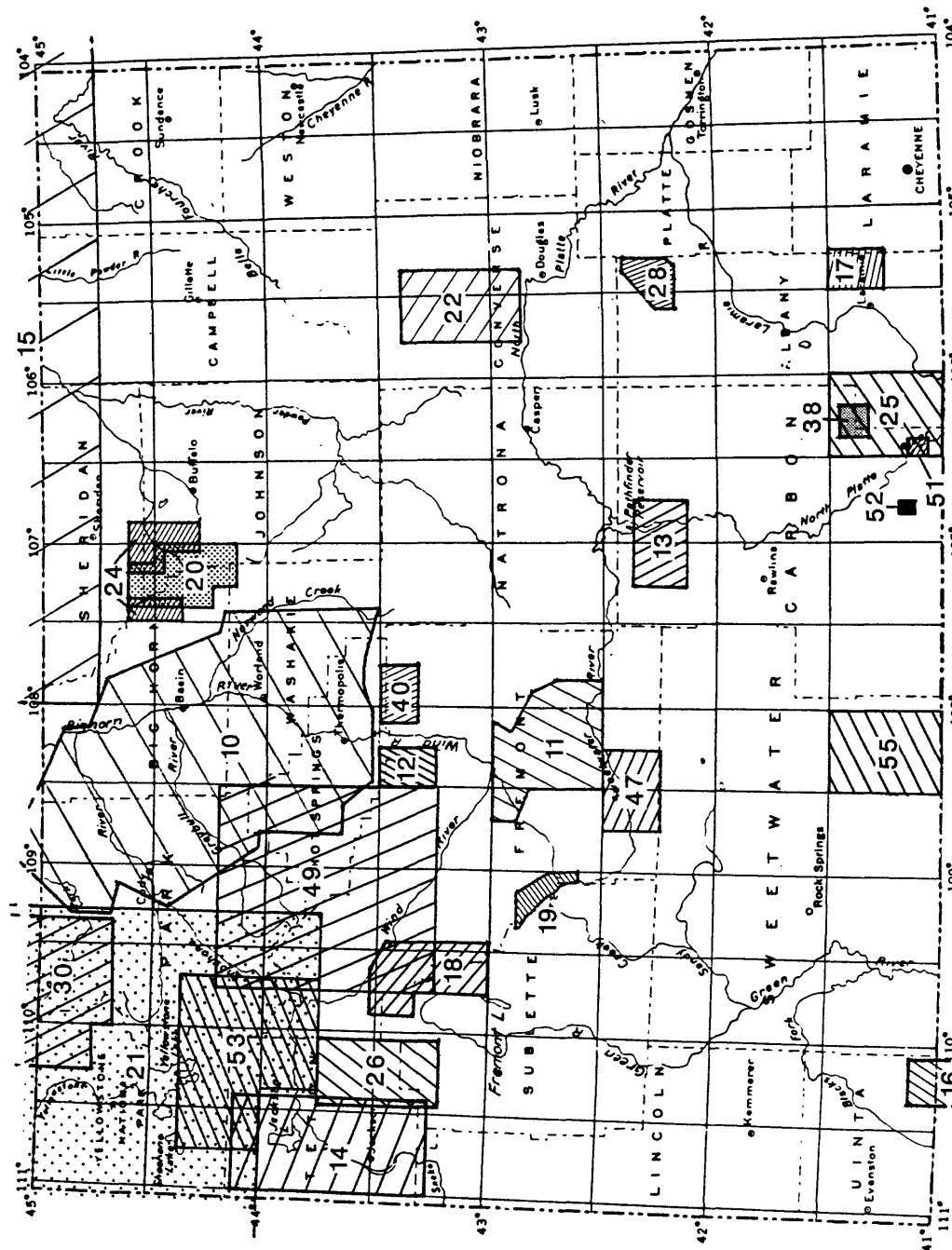
Geophysical survey map of the Washakie Wilderness and adjacent roadless areas, Park County, Wyoming, by C. L. Long, scale 1:125,000, MF-1597-B, 1989. (Anomalous areas are noted.)

Source of anomalous magnetization in area of hydrocarbon potential; petrologic evidence from Jurassic Preuss Sandstone, Wyoming-Idaho thrust belt, by N. S. Fishman and others, Am. Assoc. Pet. Geol. Bull., v. 73, no. 2, p. 182-194, 1989.

U.S.G.S. open-file reports for Wyoming 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. Geol. Survey of Wyoming, P.O. Box 3008, University Station, Laramie, WY 82071
7. N.T.I.S., 5285 Port Royal Rd., Springfield, VA 22161

WYOMING

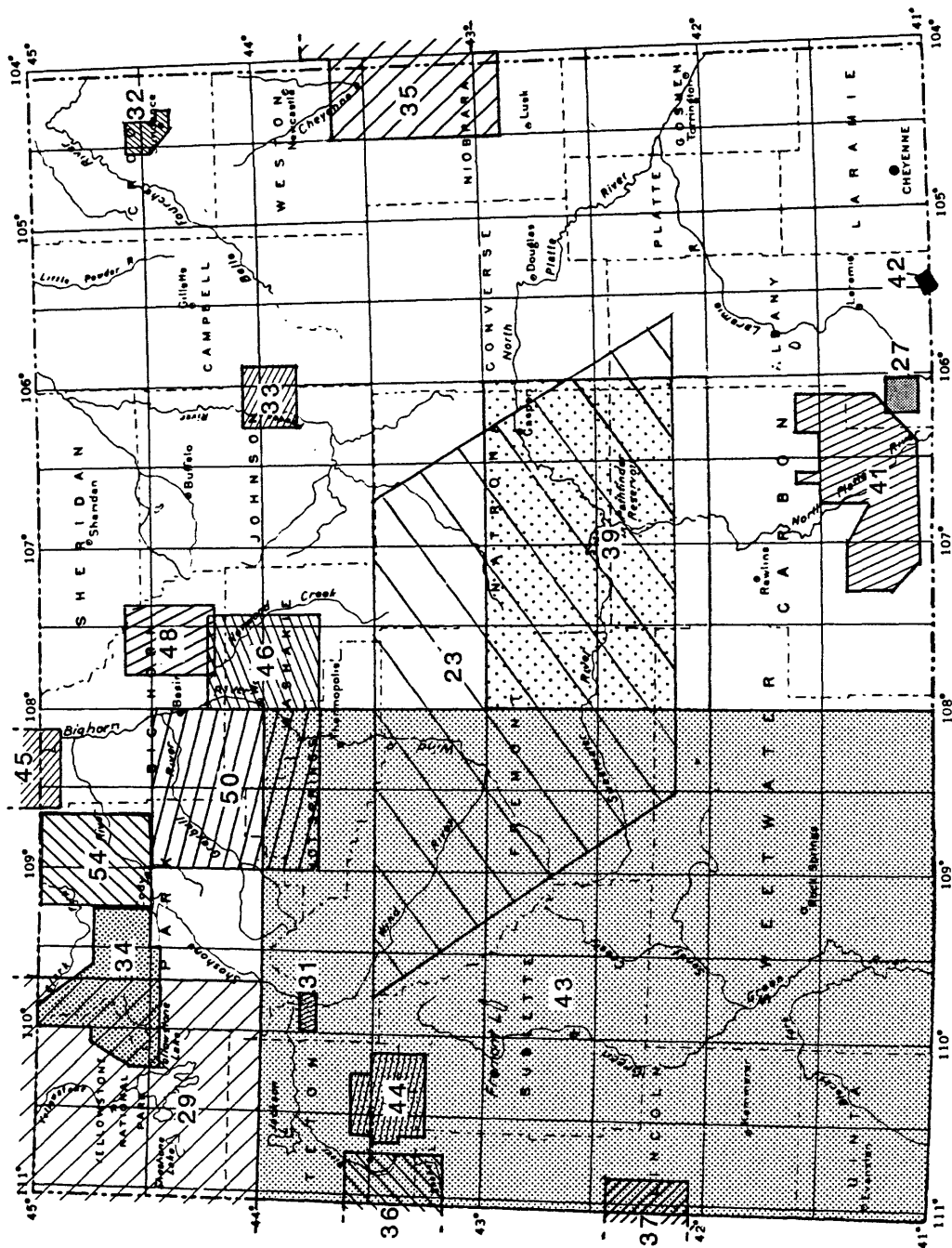


MAP 1



WYOMING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



MAP 2



WESTERN AREA DOE-NURE AIRBORNE INDEX

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

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

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

1° BY 2° QUADRANGLE REPORTS

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

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

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

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

Note: Some early GJM reports were authored by Oak Ridge National Laboratory.

Quadrangle	item	item	
Adel	67. GJBX-104(80)		GJM-466
Ajo	52. GJBX-012(80)		GJM-432
Albuquerque	27. GJBX-116(79)	122. PGJ/F-016(82)	GJM-401
Alturas	96. GJBX-406(81)		GJM-482
Arminto	61. GJBX-063(80)	124. PGJ/F-018(82)	GJM-074
Ashton	24. GJBX-106(79)	152. PGJ/F-074(82)	GJM-098
Aztec	63. GJBX-065(80)	118. PGJ/F-012(82)	GJM-400
Baker	3. GJBX-101(78)	162. PGJ/F-112(82)	GJM-447
Bakersfield	70. GJBX-231(80)		GJM-473
Bend	90. GJBX-240(81)		GJM-479
Billings	19. GJBX-087(79)	121. PGJ/F-015(82)	GJM-096

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Burns	90. GJBX-240(81)		GJM-465
Butte	32. GJBX-126(79)	148. PGJ/F-064(820)	GJM-287
Caliente	58. GJBX-052(80)		GJM-438
Canyon City	90. GJBX-240(81)		GJM-464
Cape Flattery	86. GJBX-135(81)		GJM-502
Carlsbad	102. GJBX-412(81)		GJM-394
Casper	43. GJBX-158(79)	133. PGJ/F-033(82)	GJM-395
Cedar City	65. GJBX-093(80)		GJM-427
Challis	41. GJBX-156(79)	137. PGJ/F-042(82)	GJM-064
Cheyenne	8. GJBX-017(79)	163. PGJ/F-115(82)	GJM-051
Chico	97. GJBX-407(81)		GJM-484
Choteau	32. GJBX-126(79)		GJM-286
Clifton	10. GJBX-023(79)	164. PGJ/F-116(82)	GJM-411
Clovis	1. GJBX-033(76)		GJM-370
Cody	23. GJBX-105(79)	138. PGJ/F-043(82)	GJM-099
Concrete	87. GJBX-136(81)		GJM-475
Coos Bay	98. GJBX-408(81)		GJM-504
Copalis Beach	86. GJBX-135(81)		GJM-503
Cortez	37. GJBX-144(79)	142. PGJ/F-051(82)	GJM-407
Craig	38. GJBX-153(79)	123. PGJ/F-017(82)	GJM-092
Crescent	90. GJBX-240(81)		GJM-480
Crescent City	99. GJBX-409(81)		GJM-505
Cut Bank	32. GJBX-126(79)		GJM-285
Dalhart	57. GJBX-046(80)		GJM-368
Death Valley	46. GJBX-164(79)		GJM-455
Delta	11. GJBX-024(79)	111. PGJ/F-002(82)	GJM-425
Denver	12. GJBX-049(79)	156. PGJ/F-078(82)	GJM-387
Dillon	25. GJBX-107(79)	104. GJQ-007(81)	GJM-309
Douglas	10. GJBX-023(79)	165. PGJ/F-118(82)	GJM-413
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Durango	36. GJBX-143(79)		GJM-399
Ekalaka	18. GJBX-082(79)	114. PGJ/F-007(82)	GJM-059
El Centro	52. GJBX-012(80)		GJM-442
Elk City	51. GJBX-010(80)		GJM-065
Elko	44. GJBX-159(79)		GJM-435
El Paso	102. GJBX-412(81)		GJM-405
Ely	71. GJBX-244(80)		GJM-436
Escalante	53. GJBX-015(80)	140. PGJ/F-049(82)	GJM-416
Eureka	99. GJBX-409(81)		GJM-505
Flagstaff	42. GJBX-157(79)	120. PGJ/F-014(82)	GJM-418
Forsyth	88. GJBX-179(81)		GJM-067
Fort Sumner	102. GJBX-412(81)		GJM-392
Fresno	70. GJBX-231(80)		GJM-472
Gallup	27. GJBX-116(79)	119. PGJ/F-013(82)	GJM-409
Gillette	18. GJBX-082(79)	146. PGJ/F-060(82)	GJM-068
Glasgow	79. GJBX-082(81)		GJM-302
Glendive	89. GJBX-180(81)		GJM-300

WESTERN AREA AIRBORNE (cont'd)

Quadrangle	item	item	
Goldfield	15. GJBX-066(79)		GJM-454
Grand Canyon	56. GJBX-035(80)	126. PGJ/F-020(82)	GJM-428
Grand Junction	84. GJBX-112(81)		GJM-100
Grangeville	82. GJBX-098(81)		GJM-446
Great Falls	32. GJBX-126(79)		GJM-307
Greeley	8. GJBX-017(79)	157. PGJ/F-079(82)	GJM-080
Hailey	51. GJBX-010(80)		GJM-338
Hamilton	30. GJBX-119(79)	159. PGJ/F-087(82)	GJM-308
Hardin	88. GJBX-179(81)		GJM-188
Havre	32. GJBX-126(79)	166. PGJ/F-119(82)	GJM-069
Hobbs	69. GJBX-228(80)		GJM-372
Holbrook	102. GJBX-412(81)		GJM-419
Hoquiam	91. GJBX-291(81)		GJM-492
Idaho Falls	51. GJBX-010(80)		GJM-310
Jordan	89. GJBX-180(81)		GJM-303
Jordan Valley	66. GJBX-095(80)	174. PGJ/F-132(82)	GJM-449
Kalispell	78. GJBX-076(81)		GJM-283
Kingman	13. GJBX-059(79)	177. PGJ/F-137(82)	GJM-439
Klamath Falls	55. GJBX-020(80)	147. PGJ/F-061(82)	GJM-481
La Junta	2. GJBX-100(78)		GJM-367
Lamar	2. GJBX-100(78)	110. GJQ-016(82)	GJM-366
Lander	60. GJBX-062(80)	141. PGJ/F-050(82)	GJM-093
Las Cruces	102. GJBX-412(81)		GJM-404
Las Vegas	13. GJBX-059(79)	167. PGJ/F-121(82)	GJM-072
Leadville	20. GJBX-095(79)	130. PGJ/F-027(82)	GJM-397
Lewistown	32. GJBX-126(79)	161. PGJ/F-111(82)	GJM-304
Limon	75. GJBX-056(81)		GJM-365
Los Angeles	68. GJBX-214(80)		GJM-474
Lovelock	6. GJBX-125(78)	160. PGJ/F-090(82)	GJM-468
Lukeville	52. GJBX-012(80)		GJM-433
Lund	71. GJBX-244(80)		GJM-437
Marble Canyon	54. GJBX-016(80)	127. PGJ/F-022(82)	GJM-417
Mariposa	70. GJBX-231(80)		GJM-471
McDermitt	47. GJBX-168(79)		GJM-450
Medford	92. GJBX-384(81)		GJM-496
Mesa	10. GJBX-023(79)	132. PGJ/F-032(82)	GJM-420
Miles City	89. GJBX-180(81)		GJM-301
Millett	39. GJBX-154(79)		GJM-452
Moab	20. GJBX-095(79)	145. PGJ/F-056(82)	GJM-406
Montrose	20. GJBX-095(79)	107. GJQ-010(81)	GJM-398
Needles	26. GJBX-114(79)		GJM-440
Newcastle	18. GJBX-082(79)	115. PGJ/F-008(82)	GJM-094
Nogales	10. GJBX-023(79)	172. PGJ/F-130(82)	GJM-422
Ogden	64. GJBX-071(80)	168. PGJ/F-124(82)	GJM-055
Okanogan	35. GJBX-142(79)	112. PGJ/F-003(82)	GJM-460
Pendelton	91. GJBX-291(81)		GJM-463
Phoenix	52. GJBX-012(80)		GJM-431
Pocatello	32. GJBX-126(79)	154. PGJ/F-076(82)	GJM-134
Prescott	13. GJBX-059(79)	109. GJQ-015(82)	GJM-430
Preston	77. GJBX-074(81)		GJM-052
Price	28. GJBX-117(79)	144. PGJ/F-055(82)	GJM-414
Pueblo	12. GJBX-049(79)	153. PGJ/F-075(82)	GJM-388

WESTERN AREA AIRBORNE (cont'd)

Quadrangle	item	item	
Pullman	85. GJBX-117(81)		GJM-445
Raton	50. GJBX-009(80)	103. GJQ-005(80)	GJM-390
Rawlins	8. GJBX-017(79)	125. PGJ/F-019(82)	GJM-396
Redding	101. GJBX-411(81)		GJM-498
Reno	4. GJBX-117(78)	134. PGJ/F-037(82)	GJM-469
Richfield	49. GJBX-172(79)	139. PGJ/F-044(82)	GJM-426
Ritzville	32. GJBX-126(79)	136. PGJ/F-041(82)	GJM-461
Rock Springs	8. GJBX-017(79)	158. PGJ/F-080(82)	GJM-073
Roseburg	93. GJBX-388(81)		GJM-495
Rosewell	102. GJBX-412(81)		GJM-393
Roundup	88. GJBX-179(81)		GJM-305
Sacramento	74. GJBX-051(81)		GJM-485
Saint Johns	32. GJBX-126(79)	117. PGJ/F-011(82)	GJM-410
Salem	90. GJBX-240(81)		GJM-494
Salina	20. GJBX-095(79)	143. PGJ/F-053(82)	GJM-415
Salt Lake City	64. GJBX-071(80)		GJM-054
Salton Sea	52. GJBX-012(80)		GJM-441
San Bernardino	68. GJBX-214(80)		GJM-457
San Diego	68. GJBX-214(80)		GJM-459
Sandpoint	35. GJBX-142(79)	113. PGJ/F-005(82)	GJM-443
San Francisco	73. GJBX-050(81)		GJM-501
San Jose	73. GJBX-050(81)		GJM-486
San Luis Obispo	72. GJBX-020(81)		GJM-488
Santa Ana	68. GJBX-214(80)		GJM-458
Santa Cruz(Monterey)	73. GJBX-050(81)		GJM-487
Santa Fe	50. GJBX-009(80)		GJM-391
Santa Maria	72. GJBX-020(81)		GJM-489
Santa Rosa	74. GJBX-051(81)		GJM-500
Seattle	86. GJBX-135(81)		GJM-491
Shelby	32. GJBX-126(79)		GJM-306
Sheridan	88. GJBX-179(81)	169. PGJ/F-127(82)	GJM-187
Shiprock	27. GJBX-116(79)	128. PGJ/F-024(82)	GJM-408
Silver City	10. GJBX-023(79)	173. PGJ/F-131(82)	GJM-412
Socorro	45. GJBX-163(79)	150. PGJ/F-068(82)	GJM-402
Spokane	5. GJBX-121(78)		GJM-444
Sterling	80. GJBX-087(81)		GJM-364
Susanville	100. GJBX-410(81)		GJM-483
The Dalles	91. GJBX-291(81)		GJM-478
Thermopolis	62. GJBX-064(80)	131. PGJ/F-030(82)	GJM-095
Tonopah	22. GJBX-104(79)	170. PGJ/F-128(82)	GJM-453
Tooele	29. GJBX-118(79)		GJM-424
Torrington	43. GJBX-158(79)	149. PGJ/F-067(82)	GJM-050
Trinidad	59. GJBX-059(80)		GJM-389
Trona	14. GJBX-065(79)	135. PGJ/F-038(82)	GJM-456
Tucson	10. GJBX-023(79)		GJM-421
Tucumcari	1. GJBX-033(76)		GJM-369
Tularosa	16. GJBX-067(79)	108. GJQ-014(82)	GJM-403
Twin Falls	32. GJBX-126(79)		GJM-339
Ukiah	94. GJBX-390(81)		GJM-499
Vancouver	91. GJBX-291(81)		GJM-493
Vernal	48. GJBX-167(79)	129. PGJ/F-026(82)	GJM-289
Victoria	86. GJBX-135(81)		GJM-490

WESTERN AREA AIRBORNE (cont'd)

Quadrangle	item	item	
Vya	33. GJBX-136(79)	175. PGJ/F-135(82)	GJM-467
Walker Lake	7. GJBX-126(78)	116. PGJ/F-010(82)	GJM-470
Wallace	83. GJBX-111(81)		GJM-284
Walla Walla	91. GJBX-291(81)		GJM-462
Weed	95. GJBX-391(81)		GJM-497
Wells	34. GJBX-137(79)	151. PGJ/F-070(82)	GJM-434
Wenatchee	87. GJBX-136(81)		GJM-476
White Sulphur Spring	21. GJBX-096(79)	176. PGJ/F-136(82)	GJM-288
Williams	13. GJBX-059(79)	106. GJQ-009(81)	GJM-429
Winnemucca	9. GJBX-021(79)	171. PGJ/F-129(82)	GJM-451
Wolf Point	76. GJBX-068(81)		GJM-299
Yakima	91. GJBX-291(81)		GJM-477

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WESTERN AREA QUADRANGLE LOCATION MAP

