

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

Bibliographies and location maps of publications on
aeromagnetic and aeroradiometric surveys for Hawaii and Alaska

by

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Open-File Report 91-370-E

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

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GENERAL INFORMATION FOR THE
AEROMAGNETIC AND AERORADIOMETRIC INDEXES

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



The open-file report numbers in this series are:

Area 1	OF 91-370-A	Area 4	OF 91-370-D
Area 2	OF 91-370-B	Hawaii and Alaska	OF 91-370-E
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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).

GENERAL INFORMATION (cont'd)

PUBLICATIONS

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

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

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

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

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

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

DIGITAL DATA

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

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

HAWAII AIRBORNE INDEX

	Map ref.
Geologic implications of magnetic surveys over the Hawaiian Islands, by Alexander Malahoff and G. P. Woollard, Pacific Science, v. 20, no. 3, p. 265-311, 1966.....	10
(Fig. 1 is an aeromagnetic map of all the islands and surrounding ocean; other figures show more detailed contours of each of the islands and an ocean area north of Maui)	
Magnetic measurements over the Hawaiian Ridge and their vulcanological implications, by A. Malahoff and G. P. Woollard, Bull. Volcanologique, v. 29, p. 735-759, 1966.....	10
Magnetic studies over volcanoes, by Alexander Malahoff, <u>in</u> The Earth's crust and upper mantle, Am. Geophys. Union Mon. 13, p. 436-446, 1969.....	10
Magnetic surveys over the Hawaiian Ridge, by Alexander Malahoff and G. P. Woollard, 64 p., Univ. Hawaii Inst. Geophysics Rept. HIG-65-11, rev. 1969.	10
The geologic structure of the Puna submarine ridge, Hawaii, by Alexander Malahoff and Floyd McCoy, Jour. Geophys. Res., v. 72, no. 2, p. 541-548, 1967.....	11
A hydrogeophysical survey from Kawaihae to Kailua-Kona, Hawaii, by W. M. Adams and others, 156 p., Univ. Hawaii Water Resources Res. Center Tech. Rept. 32, 1969.....	12 & 14
Aeromagnetic, gravity, and electrical resistivity exploration between Pahala and Punaluu, Hawaii, by W. M. Adams, S. P. Mathur, and R. D. Huber, 60 p., Univ. Hawaii Water Resources Res. Center Tech. Rept. 28, 1970.....	13 & 14
Aeromagnetic map of the island of Hawaii, by R. H. Godson and others, scale 1:250,000, GP-946, 1981.....	14
Composite magnetic anomaly map of the United States: Part B, Alaska and Hawaii (in color), compiled by R. H. Godson, 8 p., 2 sheets, scale 1:2,500,000, GP-954-B, 1984.....	whole map
Aeromagnetic map of the Rift systems of Kilauea and Mauna Loa volcanoes, Island of Hawaii, Hawaii, by V. J. Flanigan and others, scale 1:100,000, MF-1845-A, 1986.....	15
Aeromagnetic and near-surface electrical expression of the Kilauea and Mauna Loa volcanic rift systems, by V. J. Flanigan and C. L. Long, <u>in</u> Volcanism in Hawaii, Prof. Paper 1350, p. 935-946, 1987.....	15

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Other publications of interest; not shown on index map:

Magnetic and tectonic trends over the Hawaiian Ridge, by Alexander Malahoff and G. P. Woollard, in The Crust and upper mantle of the Pacific area, Am. Geophys. Union Mon. no. 12, p. 241-276, 1968.
(Covers most of the map area)

Geophysical studies of the Hawaiian Ridge and Murray fracture zone, by Alexander Malahoff and G. P. Woollard, in The Sea, v. 4, pt. II, New Concepts of seafloor evolution, Wiley-Interscience, p. 73-131, 1970.
(Fig. 10 is a combination of aeromagnetic and shipborne magnetic data)
(Covers most of the map area)

A hydrogeophysical survey using remote-sensing methods from Kawaihae to Kailua-Kona, Hawaii, by W. M. Adams, Ground Water, v. 9, no. 1, p. 42-50, 1971.

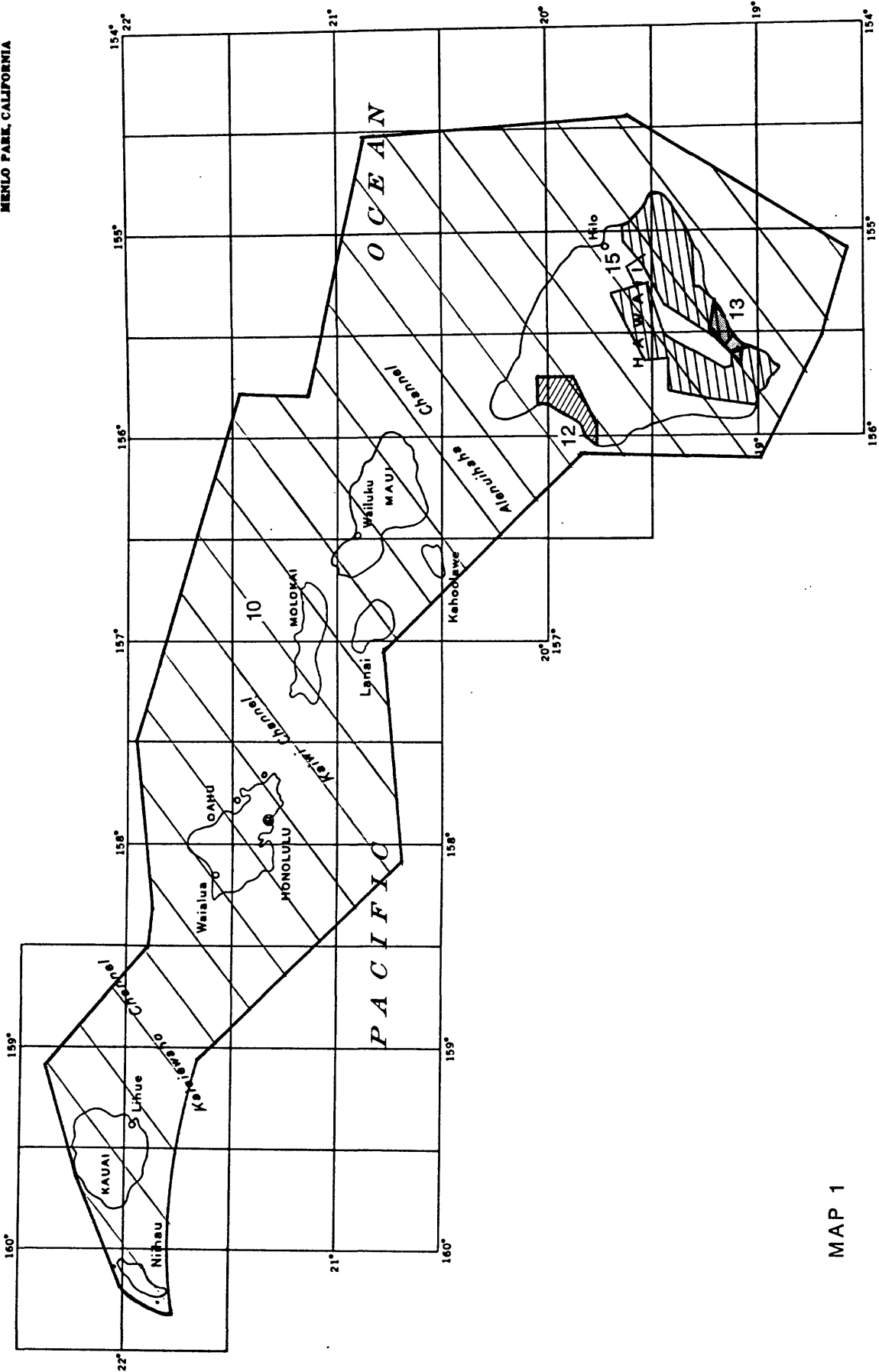
Geophysical exploration on the structure of volcanoes; two case histories, by A. S. Furumoto, Univ. Hawaii Inst. Geophysics Contributions, v. 1974, p. 643-660, 1975.

Investigation of geothermal potential in the Waianae Caldera area, western Oahu, Hawaii, by M. E. Cox and others, 76 p., Univ. Hawaii Inst. Geophysics Rept. HIG-79-8, 1979.

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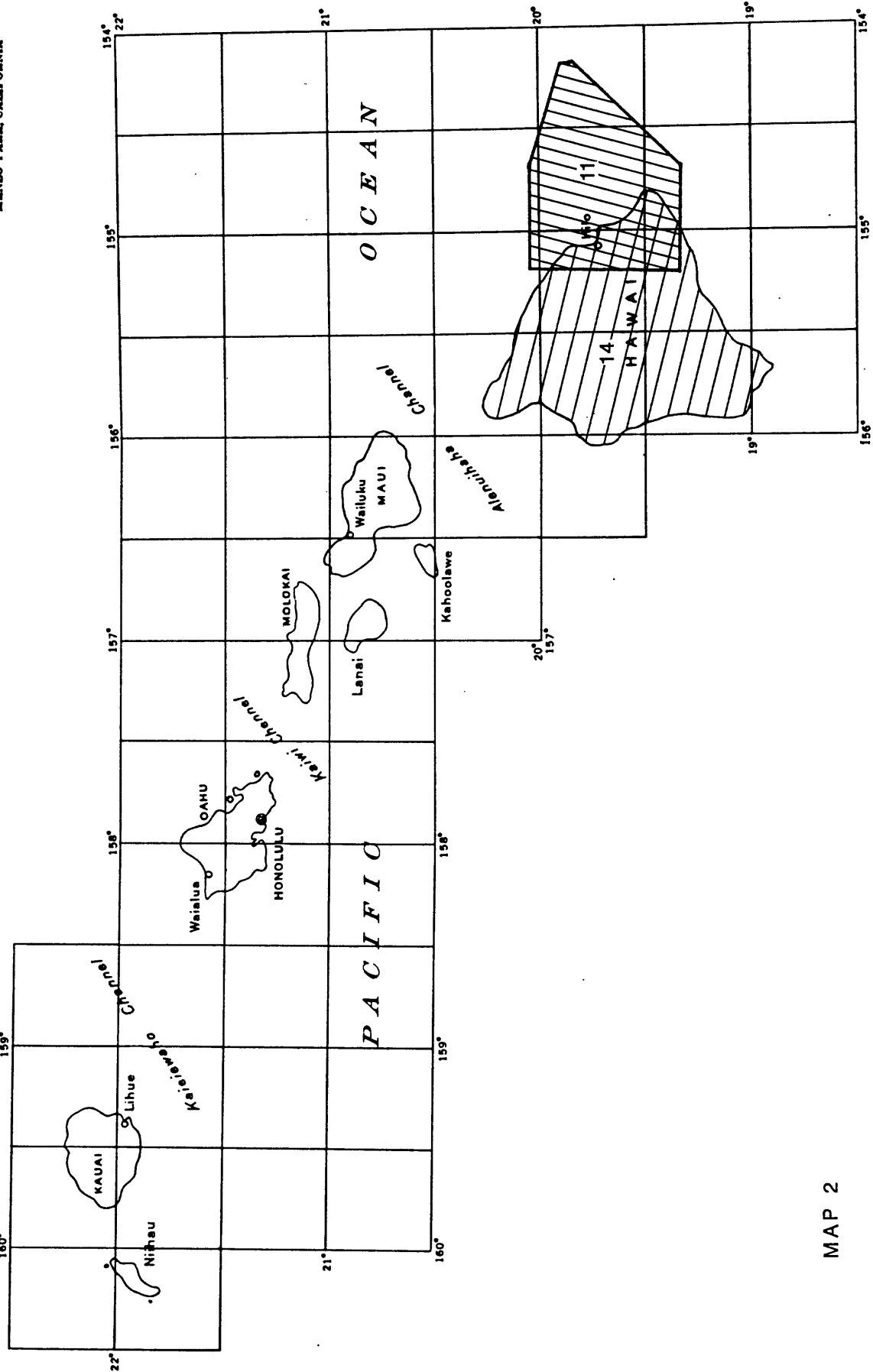


MAP 1

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MAP 2

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(Repository and some source locations are listed on page 22 except where noted.)

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Aeromagnetic map of Naval Petroleum Reserve No. 4 (Alaska), <u>in</u> Geology of the Arctic slope of Alaska, by T. G. Payne and others, 3 sheets, scale 1:1,000,000, OM-126, 1952.....	10
Aeromagnetic survey of Naval Petroleum Reserve No. 4 and adjacent areas, 1947, by Fred Keller, Jr., and J. R. Henderson, 15 p., (Rept. RR10), 1954. (Copies available <u>only</u> from 9)	10
Seismic and gravity surveys of Naval Petroleum Reserve No. 4 and adjoining areas, Alaska, by J. R. Woolson and others, 125 p., aeromagnetic map scale 1:1,000,000, Prof. Paper 304-A, 1962.....	10
Magnetic survey of Naval Petroleum Reserve No. 4 by airborne magnetometer, by M. S. Walton, Jr., and others, 26 p., (Rept. RR2), 1954..... (Copies available <u>only</u> from 9)	11
Aeromagnetic surveys in the Aleutian, Marshall, and Bermuda Islands, by Fred Keller, Jr., J. L. Meuschke, and L. R. Alldredge, Am. Geophys. Union Trans., v. 35, no. 4, p. 558-572, 1954..... (Shown are 3 areas in the Aleutian Islands; not shown are 8 profiles over the Aleutian Trench)	12
Reconnaissance total-intensity aeromagnetic map of the southern part of Prince of Wales Island, Alaska, by D. L. Rossman, J. R. Henderson, and M. S. Walton, Jr., scale 1:125,000, GP-135, 1956.....	13
The following reports show aeromagnetic profiles at approximately 2 mile spacing, are by W. J. Dempsey and others, and are at scale 1:250,000:	
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Aeromagnetic map of the Copper River Basin, Alaska, by G. E. Andreasen and others, scale 1:125,000, GP-156, 1958.....	17
Geologic interpretation of magnetic and gravity data in the Copper River Basin, Alaska, by G. E. Andreasen and others, 18 p., scale 1:250,000, Prof. Paper 316-H, 1964.....	17
Total intensity aeromagnetic profiles of the Cape Espenberg area, Alaska, by G. E. Andreasen, 2 sheets, scale 1: 63,360, OF Rept. 60-005, 1960..... (Contains 8 profiles at 1-3 mile spacing)	18
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Aeroradioactivity survey of the Lisburne Peninsula and adjacent areas, by R. G. Bates, <u>in</u> Environment of the Cape Thompson region, Alaska, U.S. Atomic Energy Comm. Rept. PNE-481, p. 1115-119, 1966.....	19
An aeromagnetic reconnaissance of the Cook Inlet area, Alaska, by Arthur Grantz, Isidore Zietz, and G. E. Andreasen, 17 p., 5 plates, scale 1:500,000, Prof. Paper 316-G, 1963..... (Shows aeromagnetic profiles at 1-10 mile spacing)	20
Aeromagnetic map of part of the Dillingham Quadrangle, Alaska, by J. R. Henderson and others, scale 1:125,000, GP-352, 1963.....	21
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Aeromagnetic map of parts of the Ugashik and Karluk quadrangles, Alaska, by G. E. Andreasen and others, scale 1:125,000, GP-354, 1963.....	23
Aeromagnetic reconnaissance of the east-central Tanana Lowland, Alaska, by G. E. Andreasen, Clyde Wahrhaftig, and Isidore Zietz, scale 1:125,000, GP-447, 1964.....	24
Preliminary geologic interpretation of aeromagnetic data in Yakutat district, Alaska, by G. H. Johnson and George Plafker, 13 p., 5 sheets, scale 1:63,360, OF Rept. 69-134, 1969.....	25
Airborne radioactivity and total intensity magnetic survey of the southern Kobuk-Selawik Lowland, western Alaska, by T. P. Miller and L. A. Anderson, 6 p., 10 sheets, scale 1:63,360, OF Rept. 69-170, 1969..... (Report includes 4 profiles to the northwest of area shown)	26
Aeromagnetic maps of part of the southern Alaska Range, by B. L. Reed and L. A. Anderson, 6 p., scale 1:63,360, OF Rept. 69-215, 1969.....	27
Reconnaissance geologic map, analyses of bedrock and stream sediment samples, and an aeromagnetic map of parts of the southern Alaska Range, by B. L. Reed and R. L. Elliott, 145 p., 4 sheets, OF Rept. 70-271, 1970..	27
Airborne geophysical surveys in Seward Peninsula area, Alaska, 11 sheets, scale 1:63,360, OF Rept. 69-294, 1969..... (Not shown are 6 profiles extending to the north of these areas)	28, 29 & 30
Aeromagnetic and generalized geologic map of the west-central part of the Seward Peninsula, Alaska, by G. R. Johnson and C. L. Sainsbury, scale 1:125,000, GP-881, 1974.....	29
Geology, mineral deposits, and geochemical and radiometric anomalies, Serpentine Hot Springs area, Seward Peninsula, Alaska, by C. L. Sainsbury and others, 19 p., scale 1:63,360, Bulletin 1312-H, 1970.....	30

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Geologic interpretation of reconnaissance aeromagnetic survey of north-eastern Alaska, by W. P. Brosge, E. E. Brabb, and E. R. King, 14 p., scale 1:1,000,000, Bulletin 1271-F, 1970.....	31
Preliminary interpretation of geophysical data from the lower Noatak River basin, Alaska, by D. F. Barnes and I. L. Tailleir, 24 p., aeromagnetic map scale 1:250,000, OF Rept. 70-018, 1970.....	32
Gravity and other regional geophysical data from northern Alaska, by D. F. Barnes, <u>in</u> , Geological seminar on the North Slope of Alaska, Am. Assoc. Pet. Geol., Pacific Section, p. 11-120, 1970..... (Also shows 10 aeromagnetic profiles taken from ref. 31)	32
Earth-science studies of a nuclear test area in the western Aleutian Islands: An interim summary of results, by W. J. Carr and others, Geol. Soc. Am. Bull., v. 82, no. 3, p. 699-706, 1971..... (Fig. 3 is an aeromagnetic map, scale 1:500,000)	33
Interpretation of an aeromagnetic survey of the Amchitka Island area, Alaska, by G. D. Bath and others, 25 p., scale 1:100,000, Prof. Paper 707, 1972...	33
Aeromagnetic data from S.W. Naval Petroleum Reserve, Alaska, 4 sheets, OF Rept. 72-383, 1972..... (Contains three sheets of profiles and locations, scale 1:250,000, and one contoured map of the Nuka Ridge area, scale 1:63,360)	34
Map showing relation between aeromagnetic data and geology, southern National Petroleum Reserve in Alaska, by H. A. Gibson and I. L. Tailleir, 3 sheets, scale 1:250,000 and 1:63,360, OF Rept. 80-516, 1980..... (Copies on file at 1, 2, 3, 8)	34
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Aeromagnetic map of eastern half of the Livengood Quadrangle, northeastern Alaska, scale 1:250,000, OF Rept. 74-1104, 1974.....	45
Results of an aeromagnetic survey in the Gulf of Alaska, by P. T. Taylor and N. J. O'Neill, Jour. Geophys. Res., v. 79, no. 5, p. 719-723, 1974....	46
Petrology of the Duke Island ultramafic complex, southeastern Alaska, by T. N. Irvine, 240 p., Geol. Soc. Am. Mem. no. 138, 1974..... (Pl. 6 is an aeromagnetic map, scale 1:63,360)	47
Aeromagnetic map of the Nabesna Quadrangle, Alaska, by Andrew Griscom, 2 sheets, scale 1:250,000, MF-655-H, 1975.....	48
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Mineral resources of the Granite Fiords Wilderness Study Area, Alaska, by H. C. Berg and others, <u>with a section on</u> Aeromagnetic data, by A. Griscom, 151 p., scale 1:125,000, Bulletin 1403, 1977.....	51
Aeromagnetic map of the Tanacross Quadrangle, Alaska, by A. Griscom, 2 sheets, scale 1:250,000, MF-767-A, 1976.....	52

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Helicopter-assisted radiometric survey of the Dixon Entrance Quadrangle, Alaska, by W. A. Burgett, K. J. Krause, and Bendix Field Engineering Corp., 6 p., U.S. Dept. Energy, Grand Junction Office Rept. GJBX-019(79), 1979.....	81
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Airborne gamma-ray spectrometer and magnetometer survey; Four Corners detail area, portions of Kantishna River, Mt. McKinley, Medfra and Ruby quadrangles, by Aero Service Co., scale 1:125,000, U.S. Dept. Energy, Grand Junction Office Rept., GJBX-116(80), 1980.....	85
Evolution of radioactivity anomalies in the Sischu Creek area, central Alaska, by W. A. Girdley and others, <u>in</u> Reports on investigations of uranium anomalies, C. S. Goodknight, ed., scale 1:125,000, U. S. Dept. Energy, Grand Junction Office Rept. GJBX-222(82), p. 17-28, 1982.....	85
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Aeromagnetic map of the Juneau area, Alaska, scale 1:250,000, OF Rept. 84-296, 1984.....	91
Aeromagnetic map of parts of the Ugashik and Karluk 1° by 2° quadrangles, Alaska, 2 sheets, scale 1:250,000, OF Rept. 84-351, 1984.....	92
Aeromagnetic map of part of the Anchorage 1° by 3° Quadrangle, Alaska, scale 1:250,000, OF Rept. 84-352, 1984.....	93
Aeromagnetic map of the Craig area, Alaska, 3 sheets, scale 1:250,000, OF Rept. 84-666, 1984.....	94
Mineral resources of the Tracy Arm-Fords Terror Wilderness Study Area and vicinity, Alaska, by U.S. Geological Survey and U.S. Bureau of Mines, <u>with a chapter on</u> Interpretation of the aeromagnetic data, by R. C. Jachens, 308 p., scale 1:125,000, Bulletin 1525, 1984.....	95
Low-altitude aeromagnetic reconnaissance for petroleum in the Arctic National Wildlife Refuge, Alaska, by T. J. Donovan and others, Geophysics, v. 49, no. 8, p. 1338-1353, 1984.....	96
Composite magnetic anomaly map of the United States; Part B, Alaska and Hawaii, (in color), compiled by R. H. Godson, 8 p., 2 sheets, scale 1:2,500,000, GP-0954-B, 1984.....	whole state
Preparation of magnetic anomaly maps of Alaska and Hawaii, by R. H. Godson, <u>in</u> The utility of regional gravity and magnetic anomaly maps, W. J. Hinze, ed., Soc. Explor. Geophys., p. 25-32, 1985.....	whole state
Aeromagnetic map of part of the Wrangell Mountains, Alaska, scale 1:250,000, OF Rept. 85-605, 1985.....	97
Geothermal energy resource investigations in the eastern Copper River Basin, Alaska, by E. M. Wescott and D. L. Turner, 158 p., 8 plates, scale 1:63,360. Univ. Alaska Geophys. Institute Rept. UAG R-302, 1985.....	98

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Map ref.

- Geothermal energy resource exploration of the eastern Copper River Basin, Alaska, by E. M. Wescott and D. L. Turner, Geothermal Resources Council Trans., v. 7, p. 211-213, 1983..... 98
(Covers smaller area than shown)
- Reconnaissance magnetic anomaly map of the Chukchi Sea and adjacent north-west Alaska, by C. H. Cramer and others, scale 1:1,000,000, I-1182-F, 1986. 99
(map is a combination of ship and airborne magnetics)
- Maps showing aeromagnetic survey and geologic interpretation of the Valdez Quadrangle, Alaska, by J. E. Case, L. E. Burns, and G. R. Winkler, 2 sheets, scale 1:250,000, MF-1714, 1986..... 100
- Horizontal-gradient magnetic and helium surveys, by K. I. Cunningham, A. A. Roberts, and T. J. Donovan, in Bulletin 1778, p. 209-218, 1987..... 101
(aeromagnetic map scale 1:500,000)
- Profiles showing models of magnetic structures in accreted terranes of south-central Alaska, by D. L. Campbell, 2 sheets, scale 1:500,000, MF-1912, 1987..... 102
- Geology and mineral resources of the White Mountains National Recreation Area, east-central Alaska, by F. R. Weber and others, 234 p., 29 sheets, aeromagnetic map scale 1:63,360, OF Rept. 88-284, 1988..... 103
- Aeromagnetic map of part of the Middleton Island Quadrangle, and vicinity, Alaska, scale 1:250,000, OF Rept. 88-505, 1988..... 104
- Interpretation of magnetic maps of the northern Gulf of Alaska, with emphasis on the source of the Slope anomaly, by Andrew Griscom and P. E. Sauer, 18 p., OF Rept. 90-348, 1990..... 84 & 104
- Results of a gravity survey of McCarthy's Marsh, Seward Peninsula, Alaska, by D. F. Barnes and R. L. Morin, 12 p., 2 sheets, aeromagnetic map scale 1:63,360, OF Rept. 88-546, 1988..... 105
- Maps showing aeromagnetic survey and geologic interpretation of the Ugashik and part of the Karluk quadrangles, Alaska, by J. E. Case and others, 2 sheets, scale 1:250,000, MF-1539-D, 1988..... 106
- Pre-field study and mineral resource assessment of the Sleetmute Quadrangle, southwestern Alaska, by M. L. Miller and others, 115 p., 3 sheets, scale 1:250,000, OF Rept. 89-363, 1989..... 107
- Geologic implications of topographic, gravity, and aeromagnetic data in the northern Yukon-Kotukuk Province and its borderlands, Alaska, by J. W. Cady, Jour. Geophys. Res., v. 94, no. B11, p. 15,821-15,841, 1989... 108

See page 23 and Map 4 for additional publications from the State of Alaska.

ALASKA AIRBORNE (cont'd)

- Arctic Ocean publications that contain aeromagnetic contours and/or profiles;
not located on index maps:
- Geophysical investigations of the Arctic Ocean Basin, by N. A. Ostenso, 124 p.,
University of Wisconsin Geophys. and Polar Res. Center Rept. 62-4, 1962.
- Magnetic data on the structure of the central Arctic region, by E. R. King,
Isidore Zietz, and L. R. Alldredge, Geol. Soc. Am., Bull. V. 77, no. 6,
p. 619-646, 1966.
- Magnetic and gravity profiles across the Alpha cordillera and their relation
to Arctic sea-floor spreading, by P. R. Vogt and N. A. Ostenso, Jour. Geophys.
Res., v. 75, no. 26, p. 4925-4937, 1970.
- Aeromagnetic survey of the Arctic Ocean; techniques and interpretations, by
N. A. Ostenso and R. J. Wold, Marine Geophys. Research, v. 1, no. 2,
p. 178-219, 1971.
- Magnetic anomalies and the evolution of the Arctic, by R. L. Coles, W. Hannaford,
and G. V. Haines, in, Arctic geophysical review, Canada Earth Physics Branch
Pub., v. 45, no. 4, p. 51-66, 1978. (Contours extend onshore)
- Detailed aeromagnetic investigation of the Arctic Basin, by P. R. Vogt,
P. T. Taylor, and L. C. Kovacs, Jour. Geophys. Res., v. 84, no. B3,
p. 1071-1089, 1979.
- Detailed aeromagnetic investigation of the Arctic Basin, 2, by P. T. Taylor
and others, Jour. Geophys. Res., v. 86, no. 7, p. 6323-6333, 1981.
- Structure and plate tectonic evolution of the marine Arctic as revealed by
aeromagnetism, by P. Vogt and others, 26th Internat. Geol. Cong., Oceanologica
Acta, 4, supplement, p. 25-40, 1981.
- Depth-to magnetic source analysis of the Arctic Ocean region, by L. C. Kovacs
and P. R. Vogt, Tectonophysics, v. 89, no. 1-3, p. 255-294, 1982.
- The Canada Basin; aeromagnetic constraints on structure and evolution, by
P. R. Vogt and others, Tectonophysics, v. 89, no. 1-3, p. 295-336, 1982.
- Nature of the Canada Basin--Implications from satellite-derived magnetic anomaly
data, by P. T. Taylor, Jour. Alaska Geol. Soc., v. 2, p. 1-8, 1983.
(Includes aeromagnetic data from JGR v. 86, above.)
- Magnetic data over the Arctic from aircraft and satellites, by P. T. Taylor,
in Arctic energy resources, Louis Rey, ed.; in the collection Energy
Research, Elsevier Sci. Publ., no. 2, p. 35-40, 1983.
- Amerasian Basin, Arctic Ocean; magnetic anomalies and their decipherment,
by P. R. Vogt and others, 27th Internat. Geol. Cong., Arctic Geology,
Colloquium 04, p. 152-161, 1984.
- Residual magnetic anomaly chart of the Arctic Ocean region, by L. C. Kovacs
and others, scale 1:6,000,000, Geol. Soc. Am. Map and Chart Series MC-53, 1985.

ALASKA AIRBORNE (cont'd)

Arctic Ocean publications--cont'd:

Results from an aeromagnetic investigation of the Nares Strait region, by L. C. Kovacs, S. P. Srivastava, and H. R. Jackson, Jour. Geodynamics, v. 6, no. 1-4, p. 91-110, 1986.

Alpha Ridge and Iceland; products of the same plume?, by D. A. Forsyth and others, Jour. Geodynamics, v. 6, no. 1-4, p. 197-214, 1986.

Summary of Arctic geophysics, by H. R. Jackson and G. L. Johnson, Jour. Geodynamics, v. 6, no. 1-4, p. 245-262, 1986.

Magnetic Anomalies, by R. L. Coles and P. T. Taylor; in The Arctic Ocean Region, The Geology of North America, Geol. Soc. Am., vol. L, p. 119-132, 1989. (Pl. 4 is a profile map of the Arctic Ocean, scale 1:6,000,000)

The structures of the Alpha Ridge, Arctic Ocean and Iceland-Faeroe Ridge, North Atlantic: Comparisons and implications for the evolution of the Canada Basin, by J. R. Weber, Marine Geol., v. 93, no. 1-4, p. 43-68, 1990.

Features of the Canadian polar margin, by D. A. Forsyth and others, Marine Geol., v. 93, no. 1-4, p. 147-177, 1990. (Covers the western half of the Arctic and has a color-contoured map.)

Other publications of interest; not located on index maps:

Preliminary report on magnetic anomalies between Adak, Alaska, and Kwajalein, Marshall Islands, by L. R. Alldredge and Fred Keller, Jr., Am. Geophys. Union Trans., v. 30, no. 4, p. 494-500, 1949.

Total intensity aeromagnetic profiles of Hogatza Uplift, Alaska, by W. J. Dempsey, J. L. Meuschke, and G. E. Andreasen, scale 1:250,000, OF Rept. 57-034, 1957. (Contains 3 profiles in parts of the Hughes, Shungnak, and Kateel River quadrangles)

Preliminary interpretation of total-intensity aeromagnetic profiles of the Koyukuk area, Alaska, by Isidore Zietz, W. W. Patton, Jr., and W. J. Dempsey, 6 p., 8 sheets, scale 1:250,000, OF Rept. 59-132, 1959. (Contains 13 profiles in the Candle, Kateel River and adjacent quadrangles)

Total intensity aeromagnetic profiles of the Kobuk area, Alaska, by G. E. Andreasen, 5 sheets, scale 1:250,000, OF Rept. 60-007, 1960. (Contains 11 profiles in the Selawik, Shungnak, and adjacent quadrangles)

Total intensity aeromagnetic profiles of the Minchumina area, Alaska, by G. E. Andreasen, 3 sheets, scale 1:250,000, OF Rept. 60-008, 1960. (Contains 5 profiles in the Mt. McKinley and parts of the Kantishna River and Fairbanks quadrangles)

An aeromagnetic profile from Anchorage to Nome, Alaska, by E. R. King, Geophysics, v. 26, no. 6, p. 716-726, 1961.

ALASKA AIRBORNE (cont'd)

Other publications--cont'd:

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

The Kaltag fault, west-central Alaska, by W. W. Patton, Jr., and J. M. Hoare, in Prof. Paper 600-D, p. 147-153, 1968.
(Contains two aeromagnetic profiles from ref. 15)

Geologic interpretation of a residual aeromagnetic map of the Nixon Fork District, Alaska, by L. A. Anderson, B. L. Reed, and G. R. Johnson, in Prof. Paper 700-D, p. 129-133, 1970.

Preliminary residual magnetic map of the eastern Bering Shelf and parts of western Alaska, by K. A. Bailey and others, 3 sheets, scale 1:1,000,000, MF-716, 1976. (Shows aeromagnetic profiles from ref. 14, contours from refs. 21, 22, 23, & 61)

Significance of space image linears in Alaska, by E. H. Lathram and N. R. Albert, *Utah Geol. Assoc. Pub.* 5, p. 11-26, 1976. (Shows aeromagnetics in two areas in northern Alaska.)

Preliminary aeromagnetic profiles of central Alaska, by John Decker and Susan Karl, scale 1:1,000,000, OF Rept. 77-168F, 1977. (Profiles from DOE-NURE, OF 60-8, and OF 78-471)

Geologic interpretation of a radioactivity anomaly near the West Fork of the Buckland River, Western Alaska, by T. P. Miller, OF Rept. 77-372, 1977.
(Data from DOE-NURE; located center of Candle quadrangle.)

The origin of low-level airborne radiometric anomalies in the Copper River basin region, Alaska, by R. B. Forbes, J. R. Carden, and J. M. Zdepski, 57 p., U.S. Dept. Energy, Grand Junction Office Rept. GJBX-62(77), 1977.

Aeromagnetic profiles of Seward Peninsula, Alaska, by John Decker and Susan Karl, scale 1:1,000,000, OF Rept. 77-796F, 1977. (Profiles from DOE-NURE)

Gravity survey of Beluga Basin and adjacent area, Cook Inlet region, south-central Alaska, by S. W. Hackett, 29 p., 3 sheets, Alaska Div. Geol. Geophys. Surveys Geol. Rept. 49, 1977. (Shows parts of two aeromagnetic profiles taken from ref. 20)

Aeromagnetic profiles of Holitna, Minchumina, Innoko, and Tanana Lowlands, Alaska, 7 sheets, scale 1:250,000, OF Rept. 78-471, 1978.

Megalineament in southeastern Alaska marks southwest edge of Coast Range batholithic complex, by D. A. Brew and A. B. Ford, *Canada Jour. Earth Sci.*, v. 15, no. 11, p. 1763-1772, 1978. (Shows aeromagnetic contours taken from refs. 51 and 95)

Aeromagnetic profiles of Bering Glacier, Mt. St. Elias, and Yakutat 1° x 3° quadrangles, Alaska, 2 sheets, scale 1:250,000, OF Rept. 79-224, 1979.
(10 profiles)

ALASKA (cont'd)

Other publications--cont'd.:

- Aeromagnetic profile map of southeastern Alaska, by John Decker, M. W. Mullen, and C. E. Schwab, scale 1:1,000,000, OF Rept. 81-505, 1981.
(Profiles from DOE-NURE)
- Interpretation of NURE aerial radiometric and hydrogeochemical and stream sediment reconnaissance data, by D. F. Saunders, D. K. Jordt, and J. H. Galbraith, U.S. Dept. Energy, Grand Junction Office Rept. GJBX-032(81), 1981.
(Shows a small contoured radiometric map of south and central Alaska)
- Summary of radiometric anomalies in Alaska, by K. A. Dickinson, J. E. Morrone, and M. E. Roberts, 1 sheet, scale 1:2,500,000, OF Rept. 83-169, 1983.
- An iron-rich lava flow from the Nenana Coal Field, central Alaska, by S. P. Reidell, in Alaska Div. Geol. and Geophys. Surveys Prof. Rept. 86, p. 5-8, 1984. (Shows aeromagnetic contours from southern Fairbanks and northern Healy quadrangles)
- Geophysical investigation of a suture zone; the Border Ranges fault of southern Alaska, by M. A. Fisher and Roland von Huene, Jour. Geophys. Res., v. 89, no. 13B, p. 11,333-11,351, 1984.
- Magnetic profile across accreted terranes, Mount Hayes Quadrangle, eastern Alaska Range, Alaska, by D. L. Campbell and W. J. Nokleberg, Circular 939, p. 44-47, 1985.
- Strong magnetic and gravity contrasts across the Talkeetna, Totschunda, and Eureka Creek faults versus the lesser geophysical expression of the Denali Fault and its strands: A geological puzzle for TACT program, by D. F. Barnes and Bela Csejtey, Jr., Circular 945, p. 65-68, 1985.
- Magnetic profile across Denali Fault, Mount Hayes Quadrangle, Eastern Alaska Range, by D. L. Campbell and W. J. Nokleberg, Circular 945, p. 68-72, 1985.
- A-2 Kodiak to Kushokwim, Alaska, by Roland von Huene, 14 p., scale approx. 1:475,000, Centennial Continent/Ocean Transect 6, A29, 1985.
- Audio-magnetotelluric resistivity traverses in the Baird Mountains Quadrangle, by C. L. Long and Bill Thompson, Circular 978, p. 13-16, 1986. (Contains a magnetic profile.)
- Geophysics of the Yukon-Koyukuk Province, by J. W. Cady, Circular 978, p. 21-25, 1986.
- Magnetic model of a profile across northern Copper River Basin, northeastern Gulkana Quadrangle, by D. L. Campbell and W. J. Nokleberg, Circular 978, p. 35-38, 1986.
- Accretion and subduction tectonics in the Chugach Mountains and Copper River Basin, Alaska; initial results of the Trans-Alaska Crustal Transect, by R. A. Page and others, Geology, v. 14, no. 6, p. 501-505, 1986.

ALASKA AIRBORNE (cont'd)

Other publications--cont'd:

Sources of placer gold in the southern part of the White Mountains Recreation Area, east-central Alaska, by T. D. Light and others, Circular 998, p.67-69, 1987. (Shows aeromagnetics in the southern part of ref. 103)

Preliminary geophysical interpretation of the oceanic terranes of interior and western Alaska; evidence for thick crust of intermediate density, by J. W. Gady, in, Terrane accretion and orogenic belts, E. C. Leitch, ed., Geodynamic Series, no. 19, p. 301-305, 1987.

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

Bouguer gravity data and a north-south gravity and magnetic profile from the Wiseman area, Brooks Range, Alaska, by D. T. Smith, D. B. Stone, and J. T. Dillon, Soc. Econ. Paleont. and Mineral., Pacific Section Guidebook 50, p. 725-734, 1987.

Geology and exploration of the National Petroleum Reserve in Alaska, 1974 to 1982, edited by G. Gryce; with a chapter on Low-level aeromagnetic surveying for petroleum in Arctic Alaska, by T. J. Donovan and others, Prof. Paper 1399, p. 623-632, 1988. (Shows aeromagnetics in the Barrow area)

Geophysics at Katmai; geophysical expedition to Novarupta Volcano, Katmai National Park, Alaska, by J. C. Eichelberger and others, Eos, v. 71, no. 22, p. 733-735, 1990.

ALASKA AIRBORNE (cont'd)

U.S.G.S. Open-File Reports for Alaska are available for viewing at 1, 2, 3, 5, 6, 7, 8, 12, 13. Pre-1978 reports can also be viewed at 4, 9, and 11. Pre-1984 reports can be viewed at 10. The U.S. Dept. of Interior has recently established a Resource Library at 15 which may now have the holdings of some of the older locations.

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. 678, U.S. Court House, W. 920 Riverside Ave., Spokane, WA 99201
7. P.I.O., Rm. 504, Customhouse, 555 Battery St., San Francisco, CA 94111
8. P.I.O., Rm. 101, 4230 University Dr., Anchorage, AK 99508
9. U.S.G.S., Alaskan Geology Branch, Tech. Data Unit, 4200 University Dr., Anchorage, AK 99508
10. U.S.G.S., Rm. 207, O'Neill Bldg., Univ. of Alaska, Fairbanks, AK 99708
11. Alaska Div. Geol. Geophys. Surveys, 400 Willoughby Center, Juneau, AK 99801
12. Alaska Div. Geol. Geophys. Surveys, 3601 C St., Anchorage, AK 99510
13. Alaska Div. Geol. Geophys. Surveys, 794 University Ave., Fairbanks, AK 99701
14. Alaska Div. Geol. Geophys. Surveys, State Office Bldg., Box 7438, Ketchikan, AK 99901
15. Dept. Interior, Alaska Resource Library, 701 "C" St., Box 36, Anchorage, AK 99513

ALASKA AIRBORNE (cont'd)

Aeromagnetic data available only from State of Alaska
 Division of Geological and Geophysical Surveys (DGGs)
 (see index map no. 4)

Map ref.

Note: Other DGGs publications are listed in the preceding pages.

The following are Alaska DGGs open-file reports. All are at scale 1:250,000
 unless otherwise noted:

Aeromagnetic map, Southwest Selawik Quadrangle, AOF-1, 1973.....	A01
Aeromagnetic map, Southeast Teller Quadrangle, AOF-2, 1973.....	A02
Aeromagnetic map, Bendeleben Quadrangle, AOF-3, 1973.....	A03
Aeromagnetic map, Western Candle Quadrangle, AOF-4, 1973.....	A04
Aeromagnetic map, Northeast Nome Quadrangle, AOF-5, 1973.....	A05
Aeromagnetic map, Northern Solomon Quadrangle, AOF-6, 1973.....	A06
Aeromagnetic map, Northwest Norton Bay Quadrangle, AOF-7, 1973.....	A07
Aeromagnetic map, Fairbanks Quadrangle, AOF-8, 1973.....	A08
Aeromagnetic map, Eastern Healy Quadrangle, AOF-9, 1973.....	A09
Aeromagnetic map, Mt. Hayes Quadrangle, AOF-10, 1973.....	A10
Aeromagnetic map, Tanacross Quadrangle, AOF-11, 1973.....	A11
Aeromagnetic map, Northeast Gulkana Quadrangle, AOF-12, 1973.....	A12
Aeromagnetic map, Nabesna Quadrangle, AOF-13, 1973.....	A13
Aeromagnetic map, Southeast Bethel Quadrangle, AOF-14, 1973.....	A14
Aeromagnetic map, Goodnews Quadrangle, AOF-15, 1973.....	A15
Aeromagnetic map, Northeast Hagemeister Island Quadrangle, AOF-16, 1973.....	A16
Aeromagnetic map, Northwest Nushagak Bay Quadrangle, AOF-17, 1973.....	A17
Aeromagnetic map, Eagle Quadrangle, AOF-18, 1973.....	A18
Aeromagnetic map, Talkeetna Quadrangle, AOF-19, 1973.....	A19
Aeromagnetic map, Talkeetna Mountains Quadrangle, AOF-20, 1973.....	A20
Aeromagnetic map, Northern Anchorage Quadrangle, AOF-21, 1973.....	A21
Aeromagnetic map, Big Delta Quadrangle, AOF-73, 1975.....	A22
Aeromagnetic map, Western Ambler River Quadrangle, AOF-76, 1975.....	A23
Aeromagnetic map, Eastern Baird Mountains Quadrangle, AOF-77, 1975.....	A24
Aeromagnetic map, Northeast Selawik Quadrangle, AOF-78, 1975.....	A25
Aeromagnetic map of Talkeetna-Kashwitna River Area, by S. W. Hackett, scale 1:63,360, AOF-107H, 1978.....	A26

ALASKA AIRBORNE (cont'd)

Map ref.

Alaska DGGs open-files, cont'd.:

Preliminary geological interpretation (basement complex) of aeromagnetic map, Talkeetna-Kashwitna River area, by S. W. Hackett, scale 1:63,360, AOF-107J, 1979.....	A26
(This map does not contain aeromagnetic profiles or contours)	
Aeromagnetic map, Survey Pass Quadrangle, AOF-175, 1982.....	A27
Aeromagnetic map, Wiseman Quadrangle, AOF-176, 1982.....	A28
(This map is a composite of DGGs and USGS data)	
Aeromagnetic map, Northern Shungnak Quadrangle, AOF-177, 1982.....	A29
Aeromagnetic map, Northern Hughes Quadrangle, AOF-178, 1982.....	A30
Aeromagnetic map, Bettles Quadrangle, AOF-179, 1982.....	A31
(This map is a composite of DGGs and USGS data)	

These aeromagnetic maps may be inspected at the Fairbanks, Anchorage, Juneau, and Ketchikan offices of the State of Alaska Division of Geological and Geophysical Surveys (see page 22). Maps at scale 1:63,360 for most of the above areas are available.

Address inquiries for ordering and price information to:

Alaska Division of Geol. and Geophys. Surveys
P.O. Box 80007
College, AK 99708

Attn. Publications

ALASKA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BIOLOGICAL SERVICE

MAP 1

STATUTE MILES



ALASKA

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MAP 2

STATUTE MILES





ALASKA

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MAP 3

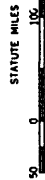
STATUTE MILES
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ALASKA

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MAP 4



ALASKA 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 previous pages.

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 3° (or 2°) sheet. Included are geochemical, geological, and airborne geophysical reports:

Index of open file reports - Alaska, by Bendix Field Engineering Corp., U.S. Department of Energy, Grand Junction Office Preliminary Map 36, 1983.

Note: The NURE Program did not fly the whole state of Alaska.

1° BY 2° or 3° 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: The GJM reports were authored by Oak Ridge National Laboratory (GJM-001 to 063), Union Carbide Corp. (GJM-170 to 210), or Bendix Field Engineering Corp. (GJM-507-518).

Quadrangle	item	item
Anchorage	4. GJBX-108(78)	GJM-025
Atlin	7. GJBX-048(79)	
Baird Inlet	2. GJBX-005(77)	GJM-023
Barrow	18. GJBX-295(81)	GJM-507
Beaver	2. GJBX-005(77)	
Beechey Point	23. GJBX-300(81)	GJM-512
Bendelben	1. GJO-1653	
Bering Glacier	6. GJBX-127(78)	GJM-031

ALASKA AREA AIRBORNE (cont'd)

Quadrangle	item	item	
Bettles	2. GJBX-005(77)		
Big Delta	5. GJBX-113(78)		
Black	2. GJBX-005(77)		
Black River	2. GJBX-005(77)	37. PGJ/F-108(82)	GJM-041
Blying Sound	4. GJBX-108(78)		
Bradfield Canal	7. GJBX-048(79)		
Candle	1. GJO-1653		GJM-060
Cape Mendenhall	2. GJBX-005(77)		
Charley River	5. GJBX-113(78)	35. PGJ/F-106(82)	GJM-043
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Coleen	2. GJBX-005(77)	30. PGJ/F-040(82)	GJM-045
Cordova	6. GJBX-127(78)		
Craig	7. GJBX-048(79)		GJM-044
Dillingham	5. GJBX-113(78)		GJM-024
Dixon Entrance	7. GJBX-048(79)		
Eagle	5. GJBX-113(78)		
Fairbanks	5. GJBX-113(78)		
Fort Yukon	2. GJBX-005(77)		GJM-040
Gulkana	1. GJO-1653		GJM-063
Hagemeister Island	2. GJBX-005(77)		
Harrison Bay	22. GJBX-299(81)		GJM-511
Healy	5. GJBX-113(78)		GJM-062
Holy Cross	2. GJBX-005(77)		GJM-006
Hooper Bay	2. GJBX-005(77)		GJM-003
Hughes	1. GJO-1653		GJM-019
Icy Bay	6. GJBX-127(78)		
Iditarod	16. GJBX-080(80)		GJM-061
Ikpikpuk River	27. GJBX-304(81)		GJM-516
Juneau	7. GJBX-048(79)		
Kantishna River	17. GJBX-094(80)		GJM-035
Kateel River	2. GJBX-005(77)		GJM-005
Kenai	4. GJBX-108(78)		
Ketchikan	7. GJBX-048(79)		
Kotzebue	1. GJO-1653		GJM-008
Kuskokwim Bay	2. GJBX-005(77)		
Kwiguk	2. GJBX-005(77)		GJM-001
Lake Clark	5. GJBX-113(78)		
Lime Hills	5. GJBX-113(78)	32. PGJ/F-057(82)	GJM-030
Lookout Ridge	26. GJBX-303(81)		GJM-515
Marshall	2. GJBX-005(77)		GJM-009
McCarthy	3. GJBX-091(78)		
McGrath	13. GJBX-077(80)		GJM-171
Meade River	20. GJBX-297(81)		GJM-509
Medfra	12. GJBX-076(80)		
Melozitna	2. GJBX-005(77)		GJM-004
Mt. Fairweather	7. GJBX-048(79)		
Mt. Hayes	5. GJBX-113(78)		
Mt. McKinley	5. GJBX-113(78)	31. PGJ/F-054(82)	GJM-002
Mt. St. Elias	6. GJBX-127(78)		
Nabesna	3. GJBX-091(78)		GJM-170
Naknek	2. GJBX-005(77)		GJM-022
Nome	1. GJO-1653		

ALASKA AREA AIRBORNE (cont'd)

Quadrangle	item	item	
Norton Bay	8. GJBX-072(80)		GJM-042
Nulato	9. GJBX-073(80)		GJM-172
Nunivak Island	2. GJBX-005(77)		GJM-011
Nushagak Bay	2. GJBX-005(77)		GJM-033
Ophir	14. GJBX-078(80)		GJM-207
Petersburg	7. GJBX-048(79)		
Point Lay	24. GJBX-301(81)		GJM-513
Port Alexander	7. GJBX-048(79)		
Prince Rupert	7. GJBX-048(79)		
Ruby	11. GJBX-075(80)		GJM-210
Russian Mission	2. GJBX-005(77)		GJM-028
Sagavanirktok	29. GJBX-306(81)		GJM-518
Saint Michael	2. GJBX-005(77)		GJM-007
Selavik	1. GJO-1653		GJM-032
Seldovia	4. GJBX-108(78)		GJM-021
Seward	4. GJBX-108(78)		
Shismaref	1. GJO-1653		
Shungnak	1. GJO-1653		GJM-027
Sitka	7. GJBX-048(79)		
Skagway	7. GJBX-048(79)		
Sleetmute	15. GJBX-079(80)		GJM-209
Solomon	1. GJO-1653		
Sumdum	7. GJBX-048(79)		GJM-020
Taku River	7. GJBX-048(79)		
Talkeetna	5. GJBX-113(78)	33. PGJ/F-058(82)	
Talkeetna Mtns.	5. GJBX-113(78)		
Tanacross	3. GJBX-091(78)		
Tanana	2. GJBX-005(77)		
Taylor Mountains	2. GJBX-005(77)		GJM-029
Teller	1. GJO-1653		GJM-010
Teshkepuk	21. GJBX-298(81)		GJM-510
Tyonek	4. GJBX-108(78)	34. PGJ/F-059(82)	GJM-034
Umiat	28. GJBX-305(81)		GJM-517
Unalakleet	10. GJBX-074(80)		GJM-208
Utukok River	25. GJBX-302(81)		GJM-514
Valdez	6. GJBX-127(78)		
Wainwright	19. GJBX-296(81)		GJM-508
Yakutak	6. GJBX-127(78)		GJM-026

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ALASKA AREA
QUADRANGLE LOCATION MAP

UNITED STATES
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GEOLOGICAL SURVEY

