

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

GEOLOGICAL SURVEY OPEN-FILE REPORTS ON ALASKA
INDEXED BY QUADRANGLE

By

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Open-file report

1974

This report is preliminary
and has not been edited or
reviewed for conformity with
Geological Survey standards

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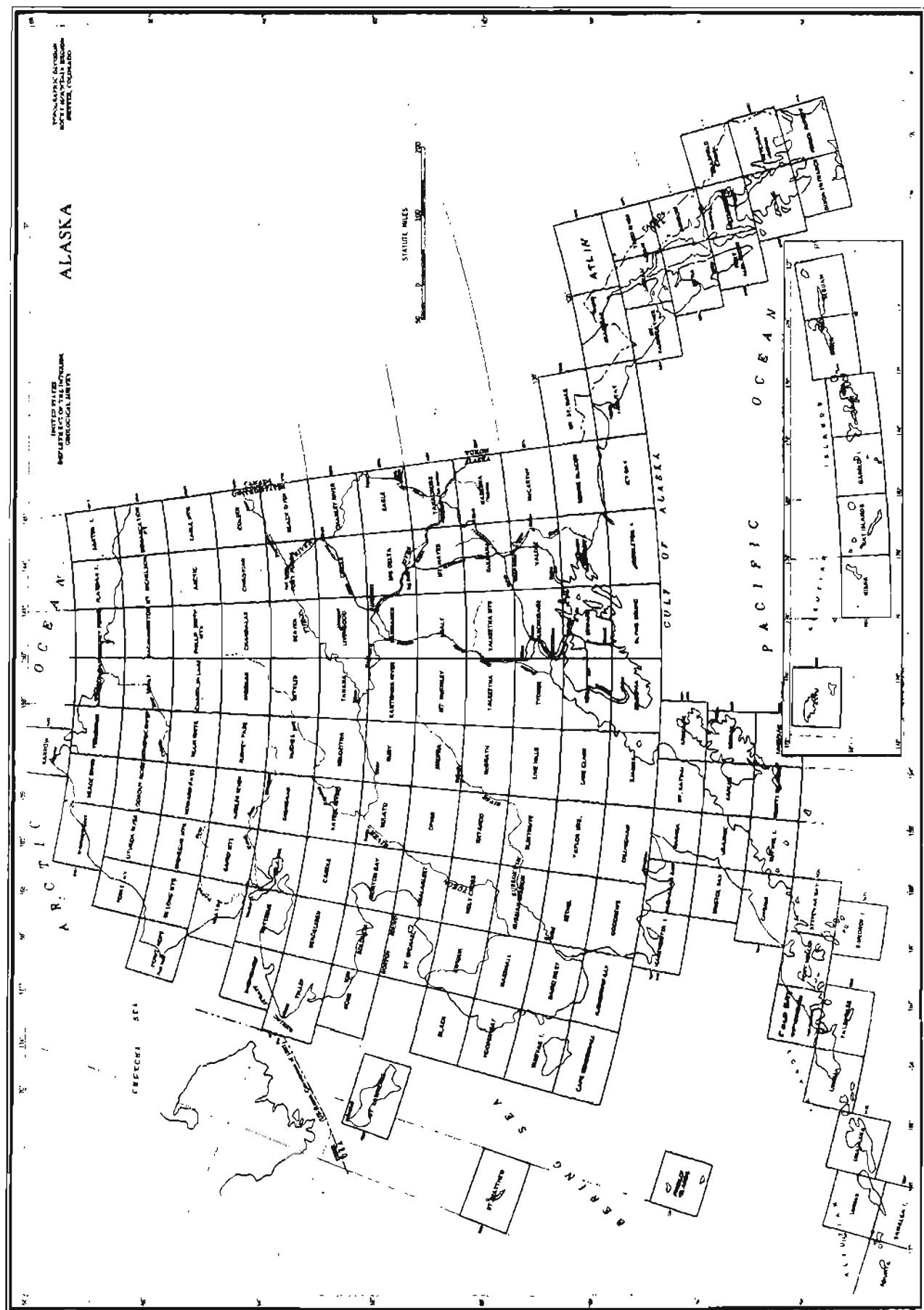
By Edward H. Cobb

The Geological Survey places in open files reports and maps that are preliminary or ephemeral in nature, are of interest to a small audience only, or consist of masses of essentially raw data. These reports and maps are available to the public and may be consulted at various Geological Survey and state offices. Essentially complete files of reports and maps on Alaska are maintained at Geological Survey Public Inquiries Offices in Anchorage, Alaska, San Francisco and Los Angeles, California, Denver, Colorado, and Spokane, Washington; at Geological Survey Libraries in Washington, D.C., Denver, Colorado, and Menlo Park, California; at Geological Survey Alaskan Geology Branch offices in College, Alaska, and Menlo Park, California; at Geological Water Resources Division office in Juneau, Alaska; and at State of Alaska Division of Geological and Geophysical Surveys offices in Anchorage, College, and Juneau, Alaska. Reproducible material from which copies of most of the reports and maps may be made at private expense are available in the Technical Data Unit, Alaskan Geology Branch, U.S. Geological Survey, 345 Middlefield Road, Menlo Park, California 94025.

As material in open files is seldom included in published lists and bibliographies, but is of value to investigators interested in the geology and mineral resources of Alaska, this index was prepared to fill this need.

Geological Survey open-file reports and maps that were released (but not superseded by formal publications) before March 15, 1974, are listed by the quadrangle (scale 1:250,000) into which Alaska has been divided for topographic mapping (p. 2). Reports and maps are listed in the order in which they were accessioned to the Technical Data Unit of the Alaskan Geology Branch; this order is not strictly chronological as there are frequent delays in receiving reports not prepared in Menlo Park, California, the headquarters of the Alaskan Geology Branch. The accession number preceding each title is the internal file number of the Technical Data Unit and has no official Geological Survey standing.

Reports that deal with Alaska as a whole and cannot be readily assigned to individual quadrangles or deal with many scattered parts of the state are listed under ALASKA - GENERAL. Reports (mainly on marine geophysical investigations) that deal with offshore areas beyond quadrangle boundaries are listed under OFFSHORE AREAS NOT IN QUADRANGLES as well as in any quadrangles that may be partially included in the limits of offshore surveys. These two general sections appear before the alphabetically arranged quadrangle listings.



Map showing quadrangles of Alaska Topographic Series (1:250,000).

ALASKA - GENERAL

100. Péwé, T. L., 1953, Brief review of Pleistocene events and climatic changes in Alaska: U.S. Geol. Survey open-file rept., 14 p.
186. Dutro, J. T., Jr., 1960, Correlation chart of Paleozoic rocks in Alaska: U.S. Geol. Survey open-file chart, 1 sheet.
241. Silberling, N. J., 1963, Field guide to halobiid and monotid pelecypods of the Alaskan Triassic: U.S. Geol. Survey open-file rept., 9 p.
267. Grantz, Arthur, 1966, Strike-slip faults in Alaska: U.S. Geol. Survey open-file rept., 82 p.
278. Barnes, D. F., 1967, Four preliminary gravity maps of parts of Alaska: U.S. Geol. Survey open-file rept., 5 p.
303. Averitt, Paul, 1968, Total estimated remaining coal resources of the United States: U.S. Geol. Survey open-file rept., 1 p.
304. Barnes, D. F., 1968, Alaskan gravity base station network: U.S. Geol. Survey open-file rept., 8 p. + tables.
443. Childers, J. M., 1970, A proposed streamflow-data program for Alaska: U.S. Geol. Survey open-file rept., 55 p.
452. Childers, J. M., 1970, Flood frequency in Alaska: U.S. Geol. Survey open-file rept., 30 p.
476. Detterman, R. L., 1971, Arctic Mesozoic correlation chart: U.S. Geol. Survey open-file chart, 1 sheet.
481. Feulner, A. J., Childers, J. M., and Norman, V. W., 1971, Water resources of Alaska: U.S. Geol. Survey open-file rept., 130 p.
502. Krinsley, D. B., Davies, W. E., Rachlin, J., and Newton, E. G., 1971, Existing environment of natural corridors from Prudhoe Bay, Alaska, to Edmonton, Canada: U.S. Geol. Survey open-file rept., 104 p.
516. Lemke, R. W., and Yehle, L. A., 1972, Regional and other factors bearing on evaluation of earthquake and other geologic hazards to coastal communities of southeastern Alaska: U.S. Geol. Survey open-file rept., 99 p.
534. Clark, A. L., Berg, H. C., Cobb, E. H., Eberlein, G. D., MacKevett, E. M., Jr., and Miller, T. P., 1972, Metal provinces of Alaska: U.S. Geol. Survey open-file rept., 3 p., 3 maps, scale 1:2,500,000.

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545. Emmett, W. W., 1972, The hydraulic geometry of some Alaskan streams south of the Yukon River: U.S. Geol. Survey open-file rept., 102 p.
546. Alaskan Geology Branch, U. S. Geological Survey, 1972, The status of mineral resource information on the major land withdrawals of the Alaska Native Claims Settlement Act of 1971: U.S. Geol. Survey open-file rept., 164 p.
550. Yehle, L. A., and Lemke, R. W., 1972, Reconnaissance engineering geology of the Skagway area, Alaska, with emphasis on evaluation of earthquake and other geologic hazards: U.S. Geol. Survey open-file rept., 108 p.
564. Cobb, E. H., 1973, Index of metallic mineral deposits of Alaska compiled from reports in open files of the U.S. Geological Survey and U.S. Bureau of Mines through 1972: U.S. Geol. Survey open-file rept., 87 p.
570. Miller, T. P., 1973, Distribution and chemical analyses of thermal springs in Alaska: U.S. Geol. Survey open-file rept., 1 sheet.

OFFSHORE AREAS NOT IN QUADRANGLES

83. Scruton, P. C., 1953, Marine geology of the Near Islands Shelf, Alaska: U.S. Geol. Survey open-file rept., 200 p.
187. Scholl, D. W., and Sainsbury, C. L., 1960, Marine geology and bathymetry of the nearshore shelf of the Chukchi Sea, Ogotoruk Creek area, northwest Alaska: U.S. Geol. Survey open-file rept., 68 p.
278. Barnes, D. F., 1967, Four preliminary gravity maps of parts of Alaska: U.S. Geol. Survey open-file rept., 5 p.
299. Scholl, D. W., and Hopkins, D. M., 1968, U.S.G.S. Bering Sea shelf seismic reflection records 1967 (R/V Thomas G. Thompson): U.S. Geol. Survey open-file rept., 33 sheets.
400. Scholl, D. W., and Marlow, M. S., 1970, Bering Sea, seismic reflection profiles, 1969: U.S. Geol. Survey open-file rept., 18 sheets.
436. Grantz, Arthur, Hanna, W. F., and Wolf, S. C., 1970, Chukchi Sea seismic reflection and magnetic profiles 1969, between northern Alaska and international date line: U.S. Geol. Survey open-file rept., 27 sheets,
447. Alpha, T. R., 1970, Physiographic diagrams of parts of the continental borderlands of California and Alaska: U.S. Geol. Survey open-file rept., 11 sheets.

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465. Venkatarathnam, Kolia, 1971, Heavy minerals on the continental shelf of the northern Bering Sea: U.S. Geol. Survey open-file rept., 93 p.
498. Grantz, Arthur, Hanna, W. F., and Wallace, S. L., 1971, Chukchi Sea seismic reflection profiles and magnetic data, 1970, between northern Alaska and Herald Island: U.S. Geol. Survey open-file rept., 35 sheets.
507. Grantz, Arthur, Hanna, W. F., and Wallace, S. L., 1972, Chukchi Sea seismic reflection and magnetic profiles, 1971, between northern Alaska and Herald Island: U.S. Geol. Survey open-file rept., 43 sheets.
533. Nelson, C. H., Pierce, D. E., Leong, K. W., and Wang, F. F. H., 1972, Mercury distribution in ancient and modern sediment of northeastern Bering Sea: U.S. Geol. Survey open-file rept., 29 p.
549. Alpha, T. R., 1972, Physiographic diagrams for Ventura-Oxnard offshore, Astoria Canyon and Fan, Newport, northern Bering Sea, the Aleutian-Kamchatka convergence, Caribbean Arc-Hispaniola to Guadalupe, Bahia de Campeche, British Honduras and Venezuelan Borderland: U.S. Geol. Survey open-file rept., 9 sheets.
551. Grantz, Arthur, Holmes, M. L., Riley, D. C., and Wallace, S. L., 1972, Seismic, magnetic and gravity profiles -- Chukchi Sea and adjacent Arctic Ocean, 1972: Part 1, Seismic reflection profiles: U.S. Geol. Survey open-file rept., 21 sheets.
561. Barnes, P. W., Reimnitz, Erk, Gustafson, C. W., and Larsen, B. R., 1973, U.S. Geological Survey marine geologic studies in the Beaufort Sea, 1970 through 1972; data type and location: U.S. Geol. Survey open-file rept., 38 p.
573. Cady, J. W., Ruppel, B. D., McHendrie, A. G., and Deas, H. S., 1973, Seismic, magnetic and gravity profiles -- Chukchi Sea and adjacent Arctic Ocean, 1972: Part 2, Magnetic and gravity profiles: U.S. Geol. Survey open-file rept., 29 sheets.
585. Grantz, Arthur, McHendrie, A. G., Nilsen, T. H., and Yorath, C. J., 1974, Seismic reflection profiles on the continental shelf and slope between Bering Strait and Barrow, Alaska, and Mackenzie Bay, Canada: U.S. Geol. Survey open-file rept., 51 sheets.

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447. Alpha, T. R., 1970, Physiographic diagrams of parts of the continental borderlands of California and Alaska: U.S. Geol. Survey open-file rept., 11 sheets.
550. Yehle, L. A., and Lemke, R. W., 1972, Reconnaissance engineering geology of the Skagway area, Alaska, with emphasis on evaluation of earthquake and other geologic hazards: U.S. Geol. Survey open-file rept., 108 p.

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259. Plafker, George, and Mayo, L. R., 1965, Tectonic deformation, sub-aqueous slides and destructive waves associated with the Alaskan March 27, 1964 earthquake: an interim geologic evaluation: U.S. Geol. Survey open-file rept., 19 p.
278. Barnes, D. F., 1967, Four preliminary gravity maps of parts of Alaska: U.S. Geol. Survey open-file rept., 5 p.
546. Alaskan Geology Branch, U. S. Geological Survey, 1972, The status of mineral resource information on the major land withdrawals of the Alaska Native Claims Settlement Act of 1971: U.S. Geol. Survey open-file rept., 164 p.
570. Miller, T. P., 1973, Distribution and chemical analyses of thermal springs in Alaska: U.S. Geol. Survey open-file rept., 1 sheet.

AMBLER RIVER QUADRANGLE

7. Coats, R. R., 1944, Asbestos deposits of the Dahl Creek area, Kobuk River district, Alaska: U.S. Geol. Survey open-file rept., 4 p.
51. Wedow, Helmuth, Jr., White, M. G., and Moxham, R. M., 1952, Interim report on an appraisal of the uranium possibilities of Alaska: U.S. Geol. Survey open-file rept., 123 p.
154. Dempsey, W. J., Meuschke, J. L., and Andreasen, G. E., 1957, Total intensity aeromagnetic profiles of West Hogatza, Alaska: U.S. Geol. Survey open-file rept., 1 sheet.
190. Andreasen, G. E., 1960, Total intensity aeromagnetic profiles of Kobuk River, Alaska: U.S. Geol. Survey open-file rept., 5 sheets.
274. Brosge, W. P., Reiser, H. N., and Mailleur, I. L., 1967, Copper analyses of selected samples, southwestern Brooks Range, Alaska: U.S. Geol. Survey open-file rept., 1 sheet.
278. Barnes, D. F., 1967, Four preliminary gravity maps of parts of Alaska: U.S. Geol. Survey open-file rept., 5 p.

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447. Alpha, T. R., 1970, Physiographic diagrams of parts of the continental borderlands of California and Alaska: U.S. Geol. Survey open-file rept., 11 sheets.

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51. Wedow, Helmuth, Jr., White, M. G., and Moxham, R. M., 1952, Interim report on an appraisal of the uranium possibilities of Alaska: U.S. Geol. Survey open-file rept., 123 p.

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54. Barnes, F. F., 1948, Preliminary report on the geology along the route of a proposed tunnel to develop hydroelectric power from Eklutna Lake, Alaska: U.S. Geol. Survey open-file rept., 9 p.
55. Johnson, Arthur, 1947, Preliminary report on water-power resources of Eklutna Creek, Alaska: U.S. Geol. Survey open-file rept., 23 p.
65. Bateman, A. F., Jr., 1948, Reconnaissance report of geology of Eklutna Lake dam site and conduit route near Anchorage, Alaska: U.S. Geol. Survey open-file rept., 82 p.
70. Lawrence, F. F., 1949, Preliminary report on water-power resources of Little Susitna River and Cottonwood Creek, Alaska: U.S. Geol. Survey open-file rept., 2^{1/4} p.
71. Colbert, J. L., 1951, Water utilization, Ship Creek near Anchorage, Alaska: U.S. Geol. Survey open-file rept., 21 p.
82. Grantz, Arthur, 1953, Preliminary report on the geology of the Nelchina area, Alaska: U.S. Geol. Survey open-file rept., 14 sheets.
255. Grantz, Arthur, 1965, Geologic map and cross-sections of the Nelchina area, southcentral Alaska: U.S. Geol. Survey open-file rept., 4 sheets, scale 1:63,360.
259. Plefker, George, and Mayo, L. R., 1965, Tectonic deformation, subaqueous slides and destructive waves associated with the Alaskan March 27, 1964 earthquake: an interim geologic evaluation: U.S. Geol. Survey open-file rept., 19 p.
264. Dobrovolny, Ernest, and Schmoll, H. R., 1966, Map of geologic materials, Anchorage and vicinity, Alaska: U.S. Geol. Survey open-file map, 1 sheet, scale 1:24,000.
265. Sommers, D. A., and Marcher, M. V., 1965, Water resources appraisal of the Anchorage area, Alaska - Water conservation through conjunctive use: U.S. Geol. Survey open-file rept., 34 p.
278. Barnes, D. F., 1967, Four preliminary gravity maps of parts of Alaska: U.S. Geol. Survey open-file rept., 5 p.
298. Barnwell, W. W., and George, R. S., 1968, Progress report 1966-67 water study, Greater Anchorage area, Alaska: U.S. Geol. Survey open-file rept., 42 p.
347. Jackson, D. B., and Zohdy, A. A. R., 1969, Principal facts on electrical soundings near Anchorage, Alaska: U.S. Geol. Survey open-file rept., 2 p.
352. Feulner, A. J., 1968, Data on wells in the Matanuska-Susitna Borough area, Alaska: U.S. Geol. Survey open-file rept., 25 p.

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374. Wolfe, J. A., 1969, Paleogene floras from the Gulf of Alaska region: U.S. Geol. Survey open-file rept., 114 p.
475. Clark, S. H. B., and Bartsch, S. R., 1971, Reconnaissance geologic map and geochemical analyses of stream sediment and rock samples of the Anchorage B-6 quadrangle, Alaska: U.S. Geol. Survey open-file rept., 63 p., scale 1:63,360.
484. Clark, S. H. B., and Bartsch, S. R., 1971, Reconnaissance geologic map and geochemical analyses of stream sediment and rock samples of the Anchorage B-7 quadrangle, Alaska: U.S. Geol. Survey open-file rept., 70 p., scale 1:63,360.
503. Schmoll, H. R., Dobrovolny, Ernest, and Zenone, Chester, 1971, Generalized geologic map of the Eagle River-Birchwood area, Greater Anchorage Area Borough, Alaska: U.S. Geol. Survey open-file map, 1 sheet, scale 1:63,360.
504. Schmoll, H. R., and Dobrovolny, Ernest, 1971, Generalized slope map of the Eagle River-Birchwood area, Greater Anchorage Area Borough, Alaska: U.S. Geol. Survey open-file map, 1 sheet, scale 1:63,360.
522. Clark, S. H. B., 1972, The Wolverine complex, a newly discovered layered ultramafic body in the western Chugach Mountains, Alaska: U.S. Geol. Survey open-file rept., 10 p.
542. Lamke, R. D., 1972, Floods in the summer of 1971 in south-central Alaska: U.S. Geol. Survey open-file rept., 88 p.
546. Alaskan Geology Branch, U. S. Geological Survey, 1972, The status of mineral resource information on the major land withdrawals of the Alaska Native Claims Settlement Act of 1971: U.S. Geol. Survey open-file rept., 164 p.
571. Schmoll, H. R., and Dobrovolny, Ernest, 1973, Foundation and excavation conditions map of Anchorage and vicinity, Alaska: U.S. Geol. Survey open-file map, 1 sheet, scale 1:24,000.
580. Dobrovolny, Ernest, and Schmoll, H. R., 1973, Slope-stability map of Anchorage and vicinity, Alaska: U.S. Geol. Survey open-file map, 1 sheet, scale 1:24,000.
590. Lahr, J. C., Page, R. A., and Thomas, J. A., 1974, Catalog of earthquakes in south central Alaska, April-June 1972: U.S. Geol. Survey open-file rept., 35 p.

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85. Morris, R. H., 1952, Heavy mineral analyses of sedimentary rocks of northern Alaska: U.S. Geol. Survey open-file rept., 68 p.
202. Andreasen, G. E., 1960, Total intensity aeromagnetic map of the Yukon Flats-Kandik area, Alaska: U.S. Geol. Survey open-file rept., 8 sheets.

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254. Lathram, E. H., 1965, Preliminary geologic map of northern Alaska: U.S. Geol. Survey open-file map, 2 sheets, scale 1:1,000,000.
256. Brosé, W. P., and Reiser, H. N., 1965, Preliminary geologic map of the Arctic quadrangle, Alaska: U.S. Geol. Survey open-file map, 1 sheet, scale 1:250,000.
278. Barnes, D. F., 1967, Four preliminary gravity maps of parts of Alaska: U.S. Geol. Survey open-file rept., 5 p.
364. Brosé, W. P., and Tailleur, I. L., 1969, Isopach maps of upper Paleozoic and Mesozoic rocks, northern Alaska: U.S. Geol. Survey open-file rept., 10 p.
390. Gryc, George, Tailleur, I. L., and Brosé, W. P., 1969, Geologic framework of the "North Slope" petroleum province: U.S. Geol. Survey open-file rept., 15 p.
393. Water Resources Division, Alaska District, 1969, Water resources of the Arctic Slope region, Alaska: U.S. Geol. Survey open-file rept., 31 p.
394. Water Resources division, Alaska district, 1969, Hydrological observations, Fairbanks to Prudhoe Bay and other Arctic Slope areas, May 1969: U.S. Geol. Survey open-file rept., 12 p.
546. Alaskan Geology Branch, U. S. Geological Survey, 1972, The status of mineral resource information on the major land withdrawals of the Alaska Native Claims Settlement Act of 1971: U.S. Geol. Survey open-file rept., 164 p.
502. Krinsley, D. B., Davies, W. E., Rachlin, J., and Newton, E. G., 1971, Existing environment of natural corridors from Prudhoe Bay, Alaska, to Edmonton, Canada: U.S. Geol. Survey open-file rept., 104 p.
579. Childers, J. M., Sloan, C. E., and Meckel, J. P., 1973, Hydrologic reconnaissance of streams and springs in eastern Brooks Range, Alaska - July 1972: U.S. Geol. Survey open-file rept., 25 p.

ATKA QUADRANGLE

447. Alpha, T. R., 1970, Physiographic diagrams of parts of the continental borderlands of California and Alaska: U.S. Geol. Survey open-file rept., 11 sheets.
570. Miller, T. P., 1973, Distribution and chemical analyses of thermal springs in Alaska: U.S. Geol. Survey open-file rept., 1 sheet.

ATLIN QUADRANGLE

524. Barnes, D. F., 1972, Summary operational report of a preliminary gravity survey of southeastern Alaska: U.S. Geol. Survey open-file rept., 12 p.
525. Barnes, D. F., 1972, Sixteen 1:250,000 simple Bouguer gravity anomaly maps of southeastern Alaska showing station locations, anomaly values, and generalized 10-milligal contours: U.S. Geol. Survey open-file maps, 16 sheets.
527. Barnes, D. F., Olson, R. C., Holden, K. D., Morin, R. L., and Erwin, M. J., 1972, Tabulated gravity data from southeastern Alaska obtained during the 1968 field season: U.S. Geol. Survey open-file rept., 76 p.
528. Barnes, D. F., Popenoe, Peter, Olson, R. C., MacKenzie, M. V., and Morin, R. L., 1972, Tabulated gravity data from southeastern Alaska obtained during the 1969 field season: U.S. Geol. Survey open-file rept., 75 p.

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83. Scruton, P. C., 1953, Marine geology of the Near Islands Shelf, Alaska: U.S. Geol. Survey open-file rept., 200 p.
447. Alpha, T. R., 1970, Physiographic diagrams of parts of the continental borderlands of California and Alaska: U.S. Geol. Survey open-file rept., 11 sheets.
549. Alpha, T. R., 1972, Physiographic diagrams for Ventura-Oxnard offshore, Astoria Canyon and Fan, Newport, northern Bering Sea, the Aleutian-Kamchatka convergence, Caribbean Arc-Hispaniola to Guadalupe, Bahia de Campeche, British Honduras and Venezuelan Borderland: U.S. Geol. Survey open-file rept., 9 sheets.
570. Miller, T. P., 1973, Distribution and chemical analyses of thermal springs in Alaska: U.S. Geol. Survey open-file rept., 1 sheet.

BAIRD INLET QUADRANGLE

151. Dempsey, W. J., Meuschke, J. L., and Andreasen, G. E., 1957, Total intensity aeromagnetic profiles of Bethel Basin, Alaska: U.S. Geol. Survey open-file rept., 3 sheets.
546. Alaskan Geology Branch, U. S. Geological Survey, 1972, The status of mineral resource information on the major land withdrawals of the Alaska Native Claims Settlement Act of 1971: U.S. Geol. Survey open-file rept., 164 p.

BAIRD MOUNTAINS QUADRANGLE

190. Andreasen, G. E., 1960, Total intensity aeromagnetic profiles of Kobuk River, Alaska: U.S. Geol. Survey open-file rept., 5 sheets.

BAIRD MOUNTAINS QUADRANGLE

274. Brosgé, W. P., Reiser, H. N., and Tailleur, I. L., 1967, Copper analyses of selected samples, southwestern Brooks Range, Alaska: U.S. Geol. Survey open-file rept., 1 sheet.
278. Barnes, D. F., 1967, Four preliminary gravity maps of parts of Alaska: U.S. Geol. Survey open-file rept., 5 p.
546. Alaskan Geology Branch, U. S. Geological Survey, 1972, The status of mineral resource information on the major land withdrawals of the Alaska Native Claims Settlement Act of 1971: U.S. Geol. Survey open-file rept., 164 p.

BARROW QUADRANGLE

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