

GEOLOGICAL SURVEY CIRCULAR 648



Reports and Maps of the Geological Survey Released Only in the Open Files, 1971

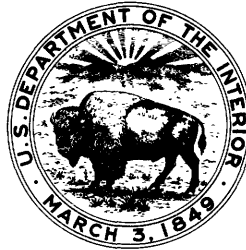
Reports and Maps of the Geological Survey Released Only in the Open Files, 1971

By Betsy A. Weld, Kathleen T. Iseri,
and George W. Brett

GEOLOGICAL SURVEY CIRCULAR 648

United States Department of the Interior

ROGERS C. B. MORTON, *Secretary*



Geological Survey

V. E. McKelvey, *Director*

Reports and Maps of the Geological Survey

Released Only in the Open Files, 1971

By Betsy A. Weld, Kathleen T. Iseri, and George W. Brett

CONTENTS

	Page
Introduction	1
Maps and reports	2
Index	23

INTRODUCTION

This circular contains a list of maps and reports released by the U.S. Geological Survey during 1971 that are available for public inspection in the open files. These maps and reports may be consulted at the indicated depositories, and copies may be made upon request (at the requestor's expense).

The reports are arranged alphabetically by author; each report is preceded by a serial number that is used to identify the report in the index (p. 23), and is followed by the depositories at which it may be consulted.

Most open-file reports are on file in at least one of the major U.S. Geological Survey depositories listed below. Many are also on file at depositories selected as appropriate for the individual reports. All depositories are U.S. Geological Survey offices unless a State Geological Survey or other organization is specifically indicated. The following symbols are used in the list to indicate the major depositories:

- A Public Inquiries Office, 108 Skyline Bldg., 508 2d Ave., Anchorage, Alaska 99501.
- Da Library, Bldg. 25, Federal Center, Denver, Colo. 80225.
- Db Public Inquiries Office, 1012 Federal Bldg., Denver, Colo. 80202.
- F Library, 801 East Cedar Ave., Flagstaff, Ariz. 86001.
- LA Public Inquiries Office, 7638 Federal Bldg., 300 North Los Angeles St., Los Angeles, Calif. 90012.

- M Library, 345 Middlefield Rd., Menlo Park, Calif. 94025.
- S Public Inquiries Office, 678 U.S. Court House Bldg., West 920 Riverside Ave., Spokane, Wash. 99201.
- SF Public Inquiries Office, 504 Custom House, 555 Battery St., San Francisco, Calif. 94111.
- T Public Inquiries Office, Rm. IC45, 1100 Commerce St., Dallas, Tex. 75202.
- U Public Inquiries Office, 8102 Federal Office Bldg., 125 South State St., Salt Lake City, Utah 84111.
- Wa Library, 1033 General Services Administration Bldg., 18th and F Sts., NW., Washington, D.C. 20242.
- Wb 132 Washington Bldg., Arlington Towers, 1011 Arlington Blvd., Arlington, Va. 22209.

Open-file reports released during past years have been listed in the following circulars (* indicates report is out of print):

Years(s)	Circulars	Year	Circular
1946-47	*56	1960	448
1948	*64	1961	463
1949-50	*149	1962	473
1951	*227	1963	488
1952	*263	1964	498
1953	*337	1965	518
1954	*364	1966	528
1955	*379	1967	548
1956	*401	1968	568
1957	*403	1969	618
1958	412	1970	638
1959	428	1971	648

MAPS AND REPORTS

1. Adolphson, D. G., and LeRoux, E. F., Head fluctuations in artesian wells in the northern Black Hills, South Dakota: 18 p., 5 figs. (Wa, Wb; Rm. 231, Federal Bldg., Huron, S. Dak. 57350.)
2. Alexander, J. M., Annual compilation and analysis of hydrologic data for Calaveras Creek, San Antonio River basin, Texas, 1969: 56 p., 2 figs. (Wa, Wb, T; Rm. 630, Federal Bldg., 300 East 8th St., Austin, Tex. 78701.)
3. Allen, H. E., and Noehre, A. W., Floods in Arlington Heights quadrangle, northeastern Illinois: Supplement to HA-67: 11 p., 1 pl., 6 figs. (Wa, Wb; 605 North Neil St., Champaign, Ill. 61820.)
4. Allen, H. E., and Noehre, A. W., Floods in Harvard Northeast quadrangle, northeastern Illinois: 9 p., 12 figs. (Wa, Wb; PO Box 1026, 605 North Neil St., Champaign, Ill. 61820.)
5. Anders, R. B., Electrical analog model study of water in the Yabucoa Valley, Puerto Rico, Phase 1—Collecting preliminary data and assembling available data: 47 p., 9 figs. (Wa, Wb; Bldg. 652, Fort Buchanan, P. R. 00934.)
6. Anderson, G. S., Ground-water exploration, Beaver Creek Valley, near Kenai, Alaska: 37 p., 13 figs. (Wa, Wb, A, LA, M, S, SF; 218 E St., Skyline Bldg., Anchorage, Alaska 99501.)
7. Anderson, G. S., and Jones, S. H., Lake-level fluctuations in the Kenai-Soldotna area, Alaska, 1967-71: 5 p., 3 figs. (Wa, Wb, M, A, SF, LA, S; Skyline Bldg., 218 E St., Anchorage, Alaska 99501.)
8. Anderson, Warren, Hydrologic considerations in draining Lake Apopka—A preliminary analysis, 1970, Florida: 29 p., 12 figs. (Wa, Wb; 903 West Tennessee St., Tallahassee, Fla. 32304; Rm. 244, Federal Bldg., 207 NW. 2d St., Ocala, Fla. 32670; Southwest Water Management Dist., PO Box 457, Brooksville, Fla. 33512; Florida Dept. Air and Water Pollution Control, 300 Tallahassee Bank Bldg., 315 South Calhoun, Tallahassee, Fla. 32301.)
9. Armstrong, A. K., Pennsylvanian carbonates, paleoecology and stratigraphy, north flank, eastern Brooks Range, Arctic Alaska: 25 p., 6 figs. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; and University Ave., College, Alaska 99701.)
10. Ashley, R. P., Preliminary geologic map of the Goldfield mining district, Esmeralda and Nye Counties, Nevada: map with explanation and cross sections (1 sheet), scale 1:24,000. (Wa, Da, M, SF, LA, U; Library, Mackay School Mines, Univ. Nevada, Reno, Nev. 89507.)
11. Ashley, R. P., and Keith, W. J., Geochemical data for the Sixteen-to-One mine, near Silver Peak, Esmeralda County, Nevada: 18 p., 2 sheets (fig. 2), 14 p. tables. (Wa, Da, LA, M, SF, U; Library, Mackay School Mines, Univ. Nevada, Reno, Nev. 89507.)
12. Averett, R. C., Wood, P. R., and Muir, K. S., Water chemistry of the Santa Clara Valley, California: 24 p., 1 fig. (Wa, Wb, M, LA, SF; 855 Oak Grove Ave., Menlo Park, Calif. 94025.)
13. Barclay, C. S. V., Preliminary geologic map of the Dengate quadrangle, Morton County, North Dakota: Geologic map (scale 1:24,000), text, 2 sheets of stratigraphic sections, and map showing distribution of ganister blocks. (Wa, Da, Db; North Dakota Geological Survey office, Leonard Hall, Univ. North Dakota, Grand Forks, N. Dak. 58201.)
14. Barnes, D. F., Preliminary Bouguer anomaly and specific gravity maps of Seward Peninsula and Yukon Flats, Alaska: 11 p., 4 maps, scale 1:1,000,000. (Wa, Da, Db, A, LA, M, S, SF; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
15. Basler, J. A., Annual water-resources review, White Sands Missile Range, 1970, a basic-data report: 33 p., 8 figs. (Wa, Wb, Db, T; Rm. 223, Geology Bldg., Univ. New Mexico, Albuquerque, N. Mex. 87106.)
16. Basler, J. A., Investigation of a water supply near Encino, New Mexico, during the STARMET test: 15 p., 2 figs. (Wa, Wb, Db, T; Rm. 223, Geology Bldg., Univ. New Mexico, Albuquerque, N. Mex. 87106.)
17. Batson, R. M., and Larson, K. B., Preliminary log of 70 mm pictures taken on the lunar surface

- during the Apollo 14 mission: Magazines II, JJ, KK, LL, MM, *with* Sample information, by R. L. Sutton: 31 p. (incl. 27 p. tables). (Wa, Da, F, M.)
18. Batson, R. M., Larson, K. B., Reed, V. S., Rennilson, J. J., Sutton, R. L., Tyner, R. L., Ulrich, G. E., and Wolfe, E. W., Preliminary catalog of pictures taken on the lunar surface during the Apollo 15 mission: 61 p., including 6 tables, 7 figs. (Wa, Da, Db, M, A, SF, LA, S, U.)
 19. Bedinger, M. S., Sniegocki, R. T., and Poole, J. L., The thermal springs of Hot Springs National Park, Arkansas—factors affecting their environment and management: 74 p., 5 figs. (Wa, Wb, T; Rm. 2301, Federal Office Bldg., 700 West Capitol Ave., Little Rock, Ark. 72201.)
 20. Behrendt, J. C., and Wotorson, C. S., Aeromagnetic map of the Bopolu quadrangle, Liberia: 2 sheets, scale 1:250,000. (Wa, Da, M.)
 21. Behrendt, J. C., and Wotorson, C. S., Aeromagnetic map of the Buchanan quadrangle, Liberia: 2 sheets, scale 1:250,000. (Wa, Da, M.)
 22. Behrendt, J. C., and Wotorson, C. S., Aeromagnetic map of the Gbanka quadrangle, Liberia: 1 sheet, 5 p., scale 1:250,000. (Wa, Da, M.)
 23. Behrendt, J. C., and Wotorson, C. S., Aeromagnetic map of the Harper quadrangle, Liberia: 3 sheets, 5 p., scale 1:250,000. (Wa, Da, M.)
 24. Behrendt, J. C., and Wotorson, C. S., Aeromagnetic map of the Monrovia quadrangle, Liberia: 2 sheets, 8 p., scale 1:250,000. (Wa, Da, M.)
 25. Behrendt, J. C., and Wotorson, C. S., Aeromagnetic map of the Sanokole quadrangle, Liberia: 1 sheet, 6 p., scale 1:250,000. (Wa, Da, M.)
 26. Behrendt, J. C., and Wotorson, C. S., Aeromagnetic map of the Voinjama quadrangle, Liberia: 2 sheets, 7 p., scale 1:250,000. (Wa, Da, M.)
 27. Behrendt, J. C., and Wotorson, C. S., Aeromagnetic map of the Zorzor quadrangle, Liberia: 1 sheet, 7 p., scale 1:250,000. (Wa, Da, M.)
 28. Behrendt, J. C., and Wotorson, C. S., Bouguer anomaly map of the Monrovia quadrangle, Liberia: 1 sheet, scale 1:250,000, 5 p. (Wa, Da, M.)
 29. Behrendt, J. C., and Wotorson, C. S., Total-count gamma radiation map of the Bopolu quadrangle, Liberia: 2 sheets, 5 p., scale 1:250,000. (Wa, Da, M.)
 30. Behrendt, J. C., and Wotorson, C. S., Total-count gamma radiation map of the Buchanan quadrangle, Liberia: 1 map (2 sheets), scale 1:250,000, 5 p. (Copy at scale of 1:125,000 included.) (Wa, Da, M.)
 31. Behrendt, J. C., and Wotorson, C. S., Total-count gamma radiation map of the Gbanka quadrangle, Liberia: 1 sheet, scale 1:250,000, 5 p. (Copy at scale of 1:125,000 included.) (Wa, Da, M.)
 32. Behrendt, J. C., and Wotorson, C. S., Total-count gamma radiation map of the Harper quadrangle, Liberia: 1 map (3 sheets), scale 1:250,000, 5 p. (Copy at scale of 1:125,000 included.) (Wa, Da, M.)
 33. Behrendt, J. C., and Wotorson, C. S., Total-count gamma radiation map of the Juazohn quadrangle, Liberia: 1 map (2 sheets), scale 1:250,000, 6 p. (Copy at scale of 1:125,000 included.) (Wa, Da, M.)
 34. Behrendt, J. C., and Wotorson, C. S., Total-count gamma radiation map of the Monrovia quadrangle, Liberia: 2 sheets, 6 p., scale 1:250,000. (Wa, Da, M.)
 35. Behrendt, J. C., and Wotorson, C. S., Total-count gamma radiation map of the Sanokole quadrangle, Liberia: 1 sheet, 5 p., scale 1:250,000. (Wa, Da, M.)
 36. Behrendt, J. C., and Wotorson, C. S., Total-count gamma radiation map of the Voinjama quadrangle, Liberia: 2 sheets, 5 p., scale 1:250,000. (Wa, Da, M.)
 37. Behrendt, J. C., and Wotorson, C. S., Total-count gamma radiation map of the Zorzor quadrangle, Liberia: 1 sheet, 6 p., scale 1:250,000. (Wa, Da, M.)
 38. Berlin, G. L., Waveform and computer analysis of geographic phenomena recorded on color and color IR multispectral imagery from aerial and orbital altitudes: 157 p., 51 figs., 8 tables. (Wa, Da, F, M.)

39. Bertoldi, G. L., Chemical quality of ground water in the Dos Palos-Kettleman City area, San Joaquin Valley, California: 45 p., 11 figs. (Wa, Db, M, LA, SF; 855 Oak Grove Ave., Menlo Park, Calif. 94025; Rm. W-2235 Federal Bldg., 2800 Cottage Way, Sacramento, Calif. 95825.)
40. Bertoldi, G. L., Determination of channel capacity of reaches of Ash and Berenda Sloughs and a reach of the Chowchilla River, Madera County, California: 61 p., 2 figs. (Wa, Wb, M, SF, LA; 855 Oak Grove Ave., Menlo Park, Calif. 94025.)
41. Bertoldi, G. L., and Blodgett, J. C., Determination of channel capacity of the Fresno River downstream from Hidden Damsite, Madera County, California: 38 p., 3 figs. (Wa, Wb, LA, M, SF; 855 Oak Grove Ave., Menlo Park, Calif. 94025.)
42. Beyer, L. A., The vertical gradient of gravity in vertical and near-vertical boreholes: 229 p., 50 figs., 14 tables. (Wa, Da, M.)
43. Black, D. F. B., Map showing structural features and dolomite occurrence in the Winchester quadrangle, Clark and Madison Counties, Kentucky: 1 sheet, scale 1:24,000. (Wa, Da, M; 710 West High St., Lexington, Ky. 40508; Kentucky Geol. Survey, Rm. 307, Mineral Industries Bldg., Univ. Kentucky, 120 Graham Ave., Lexington, Ky. 40506.)
44. Blake, M. C., Jr., Wright, R. H., and Wentworth, C. M., compilers, Preliminary geologic map of western Sonoma County and northernmost Marin County, California: map with index and explanation (5 sheets), scale 1:62,500. (Wa, Da, LA, M, SF; Library, California Div. Mines and Geology, Ferry Bldg., San Francisco, Calif. 94111; State Office Bldg., 107 South Broadway, Los Angeles, Calif. 90012.)
45. Blodgett, J. C., Water temperatures of California streams, Colorado Desert Subregion: 30 p., 4 figs. (Wa, Wb, M, SF, LA; 855 Oak Grove Ave., Menlo Park, Calif. 94025.)
46. Blodgett, J. C., Water temperatures of California streams, north coastal subregion: 92 p., 4 figs. (Wa, Wb, LA, M, SF; 855 Oak Grove Ave., Menlo Park, Calif. 94025.)
47. Blodgett, J. C., Water temperatures of California streams, Sacramento basin subregion: 161 p., 4 figs. (Wa, Wb, M, LA, SF; 855 Oak Grove Ave., Menlo Park, Calif. 94025.)
48. Blodgett, J. C., Water temperatures of California streams, San Francisco Bay subregion: 53 p., 4 figs. (Wa, Wb, M, SF, LA; 855 Oak Grove Ave., Menlo Park, Calif. 94025.)
49. Boettcher, A. J., Evaluation of the water supply at six sites in Curecanti Recreation area, southwestern Colorado: 43 p., 12 figs. (Wa, Wb, Da, Db.)
50. Borman, R. G., compiler, Preliminary map of probable well yields from bedrock in Wisconsin: 1 map. (Wa, Wb; Rm. 200, 1815 University Ave., Madison, Wis. 53706.)
51. Borman, R. G., compiler, Preliminary map of probable well yields from glacial deposits in Wisconsin: 1 map. (Wa, Wb; Rm. 200, 1815 University Ave., Madison, Wis. 53706.)
52. Borman, R. G., compiler, Preliminary map showing thickness of glacial deposits in Wisconsin: 1 map. (Wa, Wb; Rm. 200, 1815 University Ave., Madison, Wis. 53706.)
53. Brabb, E. E., Sonneman, H. S., and Switzer, J. R., Jr., compilers, Geologic map of the Mount Diablo-Bryon area, Contra Costa, Alameda, and San Joaquin Counties, California: map and explanation (2 sheets), scale 1:62,500. (Wa, Da, M, SF, LA; Library, California Div. Mines and Geology, Ferry Bldg., San Francisco, Calif. 94111; State Office Bldg., 107 South Broadway, Los Angeles, Calif. 90012.)
54. Brobst, D. A., Pinckney, D. M., and Sainsbury, C. L., Geology and geochemistry of the Sinuk River barite deposits, Seward Peninsula, Alaska: 29 p., 2 figs., 2 tables. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
55. Brosgé, W. P., and Conradi, Arthur, Jr., Magnetic susceptibilities of crystalline rock samples, Yukon River-Porcupine River area, east-central Alaska: 8 p., 1 fig. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)

56. Brosgé, W. P., and Reiser, H. N., Preliminary bedrock geologic map, Wiseman and eastern Survey Pass quadrangles, Alaska: map and explanation (2 sheets), scale 1:250,000. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; and University Ave., College, Alaska 99701.)
57. Brown, G. F., Preliminary tectonic map of the Arabian Peninsula: 7 p., 1 map, scale 1:10,000,000. (Wa, Da, M.)
58. Brown, W. M., III, A preliminary investigation of suspended-sand discharge of the Russian River, Sonoma County, California: 11 p., 5 figs. (Wa, Wb, LA, M, SF; 855 Oak Grove Ave., Menlo Park, Calif. 94025.)
59. Bryant, Bruce, Miller, R. D., and Scott, G. R., Geologic map of the Indian Hills quadrangle, Jefferson County, Colorado: 59 p., 2 pls., 1 fig., scale 1:24,000. (Wa, Da, Db, M, U; Colorado Geol. Survey, 254 Columbine Bldg., 1845 Sherman St., Denver, Colo. 80203.)
60. Buckner, H. D., Annual compilation and analysis of hydrologic data for Mountain Creek, Trinity River basin, Texas, 1969: 9 p., 1 fig. (Wa, Wb, T; Rm. 630, Federal Bldg., 300 East 8th St., Austin, Tex. 78701.)
61. Callahan, J. E., Geology and coal resources of T. 6 S., R. 51 W., unsurveyed, Umiat principal meridian, in the Cape Beaufort coal field, northwestern Alaska: 18 p., 5 sheets (scale 1:24,000, coal sections, index map, 3 tables). (Wa, Da, M; Rm. 316, Skyline Bldg., 508 2d Ave., Anchorage, Alaska 99501; U.S. Bur. Mines, Douglas Island via Causeway, Juneau, Alaska 99801.)
62. Cannon, W. F., Geologic map of the Greenwood quadrangle, Michigan: 1 sheet, scale 1:12,000. (Wa, Da, M; Michigan Dept. of Natural Resources, Geological Survey Div., Stevens T. Mason Bldg., Lansing, Mich. 48926.)
63. Cannon, W. F., Geologic map of the Republic quadrangle, Michigan: 1 sheet, scale 1:12,000. (Wa, Da, M; Michigan Dept. Nat. Resources, Geological Survey Div., Stevens T. Mason Bldg., Lansing, Mich. 48926.)
64. Carroon, L. E., Cooperative State and Federal ground-water program in Mississippi: 5 p. (Wa, Wb; 430 Bounds St., Jackson, Miss. 39206.)
65. Cathcart, J. B., Phosphate investigations in Colombia, 1969: A progress report, with a note on the aluminous laterite deposits of the Department of Cauca: 44 p., 3 figs., 5 tables. (Wa, Da, M.)
66. Chapman, R. M., Weber, F. R., and Taber, Bond, Preliminary geologic map of the Livengood quadrangle, Alaska: map and explanation (2 sheets), scale 1:250,000. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; and University Ave., College, Alaska 99701.)
67. Clark, A. L., Berg, H. C., Grybeck, Donald, and Ovenshine, A. T., Reconnaissance geology and geochemistry of Forrester Island National Wildlife Refuge, Alaska: 9 p., 1 fig., scale 1:63,360, 1 table. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
68. Clark, A. L., Condon, W. H., Hoare, J. M., and Sorg, D. H., Analyses of stream-sediment samples from the Taylor Mountains D-8 quadrangle, Alaska: 60 p. (incl. 50 p. tables), 1 pl. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
69. Clark, L. D., Geologic map of the Negaunee Southwest quadrangle, Michigan: map and explanation, scale 1:24,000 (1 sheet). (Wa, Da, M; Michigan Dept. Nat. Resources, Geological Survey Div., Stevens T. Mason Bldg., Lansing, Mich. 48926.)
70. Clark, S. H. B., and Bartsch, S. R., Reconnaissance geologic map and geochemical analyses of stream sediment and rock samples of the Anchorage B-6 quadrangle, Alaska: 63 p. (incl. 55 tables), 2 figs. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)

71. Clark, S. H. B., and Bartsch, S. R., Reconnaissance geologic map and geochemical analyses of stream sediment and rock samples of the Anchorage B-7 quadrangle, Alaska: 70 p., 2 figs. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; and University Ave., College, Alaska 99701.)
72. Cobb, E. H., compiler, Metallic mineral resources map of the Mount McKinley quadrangle, Alaska: 6 p. (incl. 5 p. tables), 1 index map, scale 1:250,000. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
73. Colton, R. B., Surficial geologic map of the H a m p d e n q u a d r a n g l e , Massachusetts-Connecticut: Map, scale 1:24,000 (3 sheets). (Wa, Da, M; 80 Broad St., Boston, Mass. 02110; Connecticut Geol. and Nat. History Survey, Wesleyan Univ., Middletown, Conn. 06547.)
74. Colton, R. B., Surficial materials data and Quaternary geologic history of the Broad Brook quadrangle, Connecticut: 10 p., 1 location map, 1 table. (Wa; 80 Broad St., Boston, Mass. 02110; Connecticut Geol. and Nat. History Survey, Wesleyan Univ., Middletown, Conn. 06457.)
75. Colton, R. B., and Mallory, M. J., Analytical data from samples of surficial deposits, Hampden quadrangle, Massachusetts-Connecticut: map and table (2 sheets). (Wa; 80 Broad St., Boston, Mass. 02110; Connecticut Geol. Nat. History Survey, Wesleyan Univ., Middletown, Conn. 06457.)
76. Conger, D. H., Estimating magnitude and frequency of floods in Wisconsin: 206 p., 21 figs. (Wa, Wb; Rm. 200, 1815 University Ave., Madison, Wis. 53706.)
77. Cook, M. F., and Forbes, M. J., Jr., A proposed streamflow-data program for Louisiana: 62 p., 3 figs. (Wa, Wb, T; 6554 Florida Blvd., Baton Rouge, La. 70806.)
78. Cox, D. P., and Briggs, R. P., Geologic and metallogenic maps of Puerto Rico: 35 p., 2 pls., 1 table (15 p.), scale 1:240,000. (Wa; Lamar St. and Franklin Roosevelt Ave., San Juan, P. R. 00963; Puerto Rico Econ. Devel. Admin., Industrial Research Dept., San Juan, P. R. 00963.)
79. Cressler, C. W., Maps of Gordon, Whitfield, and Murray Counties, Georgia, showing geology and location of wells and springs: 3 maps. (Wa, Wb; Rm 301, 900 Peachtree St., NE., Atlanta, Ga. 30309.)
80. Crippen, J. R., and Beall, R. M., A proposed streamflow-data program for California: 109 p. (incl. app.), 3 figs. (Wa, Wb, LA, M, SF; 855 Oak Grove Ave., Menlo Park, Calif. 94025.)
81. Crosby, O. A., Thermal study of the Missouri River in North Dakota using infrared imagery: 51 p., 13 figs. (Wa, Wb; Rm. 348, New Federal Bldg., 3d St. and Rosser Ave., Bismarck, N. Dak. 58501.)
82. Csejtey, Béla, Jr., Patton, W. W., Jr., and Miller, T. P., Cretaceous plutonic rocks of St. Lawrence Island, Alaska a preliminary report: 20 p., 3 maps, 1 table. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
83. Dean, W. W., Water-quality and quantity data, East Fork Kaweah River basin, California, 1969: 29 p., 5 figs. (Wa, Wb, M, SF, LA; 855 Oak Grove Ave., Menlo Park, Calif. 94025.)
84. Dempster, G. R., Jr., and Massey, B. C., Annual compilation and analysis of hydrologic data for urban studies in the Fort Worth, Texas, metropolitan area, 1969: 50 p., 3 figs. (Wa, Wb, T; Rm. 630, Federal Bldg., 300 East 8th St., Austin, Tex. 78701.)
85. Detterman, R. L., Arctic Mesozoic correlation chart: 1 chart. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
86. Diaz, J. R., Electric analog model study of water in the Guayama area, Puerto Rico, Phase 1: 68 p., 9 figs. (Wa, Wb; Bldg. 652, Fort Buchanan, P. R. 00934.)

87. Dibblee, T. W., Jr., Geologic maps of seventeen 15-minute quadrangles (1:62,500) along the San Andreas fault in vicinity of King City, Coalinga, Panoche Valley, and Paso Robles, California, with index map. (Quadrangles are Adelaida, Bradley, Bryson, Coalinga, Greenfield, Hernandez Valley, Joaquin Rocks, King City, New Idria, Panoche Valley, Parkfield, Paso Robles, Polvadero Gap, Priest Valley, "Reef Ridge," San Ardo, San Miguel.) 17 sheets, index map. (Wa, Da, LA, M, SF; Library, California Div. Mines and Geol., Ferry Bldg., San Francisco, Calif. 94111; State Office Bldg., 107 South Broadway, Los Angeles, Calif. 90012.)
88. Dibblee, T. W., Jr., Regional geologic map of San Andreas and related faults in eastern San Gabriel Mountains, San Bernardino Mountains, western San Jacinto Mountains and vicinity, Los Angeles, San Bernardino, and Riverside Counties, California: map and explanation (1 sheet), scale 1:250,000. (Wa, Da, M, LA, SF; Library, California Div. Mines and Geology, Ferry Bldg., San Francisco, Calif. 94111; State Office Bldg., 107 South Broadway, Los Angeles, Calif. 90012.)
89. Doe, B. R., A list of references on lead isotope geochemistry, 1967-69 (with an addendum to the list through 1966): 28 p. (Wa, Da, M.)
90. Dorr, J. V. N., 3d, Hoover, D. B., Offield, T. W., Shacklette, H. T., The application of geochemical, botanical, geophysical, and remote sensing mineral prospecting techniques to tropical areas—State of the art and needed research: 95 p., 2 figs., 2 tables. (Wa, Da, M.)
91. Dutro, J. T., Jr., Reiser, H. N., Detterman, R. L., and Brosge, W. P., Early Paleozoic fossils in the Neruokpuk Formation, northeast Alaska: 5 p. (Wa, Da, Db, M, A, SF, LA, S; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska, 99801; Alaska Div. of Geological Survey: Rm 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
92. Dutton, C. E., and Bradley, R. E., Bibliography of Precambrian geology of Wisconsin 1778-1968: 28 p. (Wa, Da, M; Wisconsin Geol. and Nat. History Survey, Univ. Wisconsin, 1815 University Ave., Madison, Wis. 53706.)
93. Dyer, K. L., and Young, H. W., A reconnaissance of the quality of water from irrigation wells and springs in the Snake Plain aquifer, southeastern Idaho: 29 p., 5 figs. (Wa, Wb, M, SF, S, U; Rm. 365, Federal Bldg., 550 West Fort St., Boise, Idaho 83702.)
94. Dyni, J. R., Beck, P. C., and Mountjoy, Wayne, Nahcolite analyses of three drill cores from the saline facies of the Green River Formation in northwest Colorado: 13 p. (incl. 9 p. tables), 1 fig. (Wa, Da, Db, M, U; Colorado Geol. Survey, Rm. 254, Columbine Bldg., 1845 Sherman St., Denver, Colo. 80203.)
95. Epstein, J. B., Geology of the Stroudsburg quadrangle and adjacent areas, Pennsylvania-New Jersey: 339 p., 6 pls., 109 figs., 3 tables. (Wa.)
96. Everett, D. E., Curves showing time of travel and passage time of a contaminant at downstream locations in the Mississippi River below Baton Rouge, Louisiana: 1 fig. (Wa, Wb, T; 6554 Florida Blvd., Baton Rouge, La. 70806.)
97. Ewart, C. J., An investigation of floods in Hawaii through September 30, 1970: 166 p., 5 figs. (Wa, Wb, LA, M, SF; Rm. 330, 1100 Ward Ave., Honolulu, Hawaii 96814.)
98. Eyre, L. A., An investigation by remote sensing of vacant and unutilized land in an urbanized coastal area of southeast Florida: 32 p., 16 figs. (Wa, Da, F, M.)
99. Eyton, J. R., A preliminary investigation of enhancement techniques using infrared ektachrome processed as a negative and a positive, TR 69-6 and 69-6A: 34 p., 16 figs. (Wa, Da, F, M.)
100. Faust, S. D., Stutz, Hansjakob, Aly, O. M., and Anderson, P. W., Recovery, separation, and identification of phenolic compounds from polluted waters: 49 p., 5 figs. (Wa, Wb; Rm. 420, Federal Bldg., Trenton, N. J. 08607.)
101. Ferrians, O. J. Jr., Preliminary engineering geologic maps of the proposed trans-Alaska pipeline route, Beechey Point and Sagavanirktok quadrangles: 2 sheets (2 maps, explanation, scale 1:125,000). (Wa, Da, Db, M, A, LA, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)

102. Ferrians, O. J., Jr., Preliminary engineering geologic maps of the proposed trans-Alaska pipeline route, Gulkana quadrangle: 2 sheets (2 maps, explanation, scale 1:125,000). (Wa, Da, Db, A, M, LA, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
103. Ferrians, O. J., Jr., Preliminary engineering geologic maps of the proposed trans-Alaska pipeline route, Philip Smith Mountains quadrangle: 2 sheets (2 maps, explanation, scale 1:125,000). (Wa, Da, Db, A, M, LA, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
104. Ferrians, O. J., Jr., Preliminary engineering geologic maps of the proposed trans-Alaska pipeline route, Valdez quadrangle: 2 sheets (2 maps, explanation, scale 1:250,000). (Wa, Da, Db, A, M, LA, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
105. Feulner, A. J., Childers, J. M., and Norman, V. W., Water resources of Alaska: 130 p., 18 figs. (Wa, Wb, A, LA, M, SF; Skyline Bldg., 218 E St., Anchorage, Alaska 99501.)
106. Finnell, T. L., Preliminary geologic map of the Empire Mountains quadrangle, Pima County, Arizona: 1 map (2 sheets), scale 1:48,000. (A, Da, Db, LA, M, SF, U; Arizona Bur. Mines, Univ. Arizona, Tucson, Ariz. 85721.)
107. Flint, R. F., Fluvial sediment in North Fork Broad River subwatershed No. 14 (tributary to Toms Creek), Georgia: 26 p., 5 figs. (Wa, Wb; Rm. 301, 900 Peachtree St., NE., Atlanta, Ga. 30309.)
108. Flippo, H. N., Jr., Acidity control in Bald Eagle Creek and West Branch Susquehanna River, Clinton County, Pennsylvania: 25 p., 8 figs. (Wa, Wb; 228 Walnut St., Harrisburg, Pa. 17108.)
109. Flippo, H. N., Jr., Chemical and biological conditions in Bald Eagle Creek and prognosis of trophic characteristics of Foster Joseph Sayers Reservoir, Centre County, Pennsylvania: 48 p., 2 figs. (Wa, Wb; 228 Walnut St., Harrisburg, Pa. 17108.)
110. Foster, H. L., Analyses of stream-sediment and rock samples from the eastern part of the Eagle quadrangle, east-central Alaska: 54 p. (incl. 44 p. tables, 2 figs.). (Wa, Da, Db, A, LA, M, S, SF; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
111. Foster, H. L., Analyses of stream-sediment and rock samples from the northwestern part of the Eagle quadrangle, east-central Alaska: 72 p. (incl. 65 p. tables, 2 figs.). (Wa, Da, Db, A, LA, M, S, SF; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
112. Foster, H. L., and Yount, M. E., Maps showing distribution of anomalous amounts of selected elements in stream-sediment and rock samples from the Eagle quadrangle, east-central Alaska: 6 p., 1 fig., 2 pls., scale 1:250,000. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
113. Freiburger, H. J., and Ross, T. G., Extent and frequency of floods on Crosswicks Creek from New Egypt to Bordentown, New Jersey: 32 p., 8 figs. (Wa, Wb; Rm. 420, Federal Bldg., Trenton, N. J. 08607.)
114. Friday, John, Crest-stage gaging stations in Oregon, a compilation of peak data collected from October 1952 to September 1970: 71 p., 1 fig. (Wa, Wb, LA, M, SF; 830 NE. Holladay St., Portland, Ore. 97208.)
115. Frischknecht, F. C., Results of some airborne VLF surveys in northern Wisconsin: 32 p. (incl. 7 figs.), 55 pls. (Wa, Da, M; Wisconsin Geol. and Nat. History Survey, Univ. Wisconsin, 1815 University Ave., Madison, Wis. 53706.)

116. Gann, E. E., Generalized flood-frequency estimates for urban areas in Missouri: 18 p., 3 figs. (Wa, Wb; 103 West 10th St., Rolla, Mo. 65401.)
117. Garrison, L. E., Holmes, C. W., and Trumbull, J. V. A., Geology of the insular shelf south of St. Thomas and St. John, U.S. Virgin Islands: 38 p., 9 figs., app. I-IV. (Figs. 2, 4, 7, 8, 9, and app. III and IV in pocket.) (Wa, Da, M; Univ. Corpus Christi, University Heights, Corpus Christi, Tex. 78411; Caribbean Research Inst., College Virgin Islands, St. Thomas, V. I.)
118. Gebert, W. A., Hulbert Creek hydrology, southwestern Wisconsin: 13 p., 3 figs. (Wa, Wb; Rm. 200, 1815 University Ave., Madison, Wis. 53706.)
119. Gibbs, J. F., and Eaton, J. P., A digitized map of seismic ground response of the San Francisco Bay region, California: 6 p., 1 fig., 1 table, 1 pl. (Wa, Da, La, M, SF; Library, California Div. Mines and Geology, Ferry Bldg., San Francisco, Calif. 94111; State Office Bldg., 107 South Broadway, Los Angeles, Calif. 90012.)
120. Gilbert, C. R., and Hawkinson, R. O., A proposed streamflow-data program for Texas: 52 p., 3 figs., 1 pl. (Wa, Wb, T; 630 Federal Bldg., 300 East 8th St., Austin, Tex. 78701.)
121. Glenn, J. L., Relations among radionuclide content and physical, chemical, and mineral characteristics of Columbia River sediments, *with a section by R. O. Van Atta*: 157 p., 20 figs. (Wa, Wb, M, LA, SF, S; 830 NE. Holladay St., Portland, Oreg. 97208.)
122. Goddard, G. C., Jr., Jackson, N. M., Jr., Hubbard, E. F., and Hinson, H. G., A proposed streamflow-data program for North Carolina: 113 p., 1 pl., 6 figs. (Wa, Wb; 440 Century Station, Post Office Bldg., Raleigh, N. C. 27602.)
123. Gonzales, D. D., and Ducret, G. L., Jr., Rainfall-runoff investigations in the Denver metropolitan area, Colorado: 39 p., 3 figs. (Wa, Wb, Da, Db, U.)
124. Goolsby, D. A., and McPherson, B. F., Preliminary evaluation of chemical and biological characteristics of the Upper St. Johns River basin, Florida: 46 p., 5 figs. (Wa, Wb; 903 West Tennessee St., Tallahassee, Fla. 32304; Rm. 244, Federal Bldg., 207 NW. 2d St., Ocala, Fla. 32670.)
125. Grantz, Arthur, Chukchi Sea seismic reflection profiles and magnetic data, 1970, between northern Alaska and Herald Island: 32 sheets profiles, 2 sheets magnetic data, 1 location map. (Wa, Da, Db, M, A, S, SF, LA; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
126. Green, M. W., Geologic map of the Continental Divide quadrangle, McKinley County, New Mexico: 18 p., 1 black-and-white map, scale 1:24,000. (Wa, Da, Db, M, U; Rm. 1 C 45, 1100 Commerce St., Dallas, Tex. 75202; Rm. 223, Geology Bldg., Univ. New Mexico, Albuquerque, N. Mex. 87106; New Mexico Bur. Mines and Mineral Resources, Socorro, N. Mex. 87801.)
127. Greenwood, W. R., Johnson, D. H., and Bahabri, M. S., A meteorite fall near Sakakah, Kingdom of Saudi Arabia: 15 p., 1 fig. (Wa, Da, M.)
128. Griffiths, W. R., Alminas, H. R., and Mosier, E. L., Beryllium distribution in the Monticello and Sierra Fijardo quadrangles, Socorro and Sierra Counties, New Mexico: 1 sheet, scale 1:24,000. (Wa, Da, Db, M, T, U; Rm. 223, Geology Bldg., Univ. New Mexico, Albuquerque, N. Mex. 87106; New Mexico Bur. Mines and Mineral Resources, Socorro, N. Mex. 87801.)
129. Griffiths, W. R., Alminas, H. V., and Moiser, E. L., Beryllium distribution in the Vicks Peak, Steel Hill, and Black Hill quadrangles, Socorro County, New Mexico: 4 sheets, scale 1:24,000. (Wa, Da, Db, M, T, U; Rm. 223, Geology Bldg., Univ. New Mexico, Albuquerque, N. Mex. 87106; New Mexico Bur. Mines and Mineral Resources, Socorro, N. Mex. 87801.)
130. Griffiths, W. R., Alminas, H. V., and Moiser, E. L., Lanthanum and silver distribution in the Vicks Peak, Steel Hill, and Black Hill quadrangles, Socorro County, New Mexico: 4 sheets, scale 1:24,000. (Wa, Da, Db, M, T, U; Rm. 223, Geology Bldg., Univ. New Mexico, Albuquerque, N. Mex. 87106; New Mexico Bur. Mines and Mineral Resources, Socorro, N. Mex. 87801.)
131. Griffiths, W. R., Alminas, H. V., and Mosier, E. L., Lead distribution in the Monticello and Sierra Fijardo quadrangles, Socorro and Sierra

- Counties, New Mexico: 1 sheet, scale 1:24,000. (Wa, Da, Db, M, T, U; Rm. 223, Geology Bldg., Univ. New Mexico, Albuquerque, N. Mex. 87106; New Mexico Bur. Mines and Mineral Resources, Socorro, N. Mex. 87801.)
132. Griffiths, W. R., Alminas, H. V., and Mosier, E. L., Lead distribution in the Vicks Peak, Steel Hill, and Black Hill quadrangles, Socorro County, New Mexico: 4 sheets, scale 1:24,000. (Wa, Da, Db, M, T, U; Rm. 223, Geology Bldg., Univ. New Mexico, Albuquerque, N. Mex. 87106; New Mexico Bur. Mines and Mineral Resources, Socorro, N. Mex. 87801.)
133. Griffiths, W. R., Alminas, H. V., and Mosier, E. L., Molybdenum distribution in the Vicks Peak, Steel Hill, and Black Hill quadrangles, Socorro County, New Mexico: 4 sheets, scale 1:24,000. (Wa, Da, Db, M, T, U; Rm. 223, Geology Bldg., Univ. New Mexico, Albuquerque, N. Mex. 87106; New Mexico Bur. Mines and Mineral Resources, Socorro, N. Mex. 87801.)
134. Griffiths, W. R., Alminas, H. V., and Mosier, E. L., Niobium and gold distribution in the Vicks Peak, Steel Hill, and Black Hill quadrangles, Socorro County, New Mexico: 4 sheets, scale 1:24,000. (Wa, Da, Db, M, T, U; Rm. 223, Geology Bldg., Univ. New Mexico, Albuquerque, N. Mex. 87106; New Mexico Bur. Mines and Mineral Resources, Socorro, N. Mex. 87801.)
135. Griffiths, W. R., Alminas, H. V., and Mosier, E. L., Strontium distribution in the Vicks Peak, Steel Hill, and Black Hill quadrangles, Socorro County, New Mexico: 4 sheets, scale 1:24,000. (Wa, Da, Db, M, T, U; Rm. 223, Geology Bldg., Univ. New Mexico, Albuquerque, N. Mex. 87106; New Mexico Bur. Mines and Mineral Resources, Socorro, N. Mex. 87801.)
136. Griffiths, W. R., Alminas, H. V., and Mosier, E. L., Tin distribution in the Vicks Peak, Steel Hill, and Black Hill quadrangles, Socorro County, New Mexico: 4 sheets, scale 1:24,000. (Wa, Da, Db, M, T, U; Rm. 223, Geology Bldg., Univ. New Mexico, Albuquerque, N. Mex. 87106; New Mexico Bur. Mines and Mineral Resources, Socorro, N. Mex. 87801.)
137. Griffiths, W. R., Alminas, H. V., and Mosier, E. L., Zinc and antimony distribution in the Vicks Peak, Steel Hill, and Black Hill quadrangles, Socorro County, New Mexico: 4 sheets, scale 1:24,000. (Wa, Da, Db, M, T, U; Rm. 223, Geology Bldg., Univ. New Mexico, Albuquerque, N. Mex. 87106; New Mexico Bur. Mines and Mineral Resources, Socorro, N. Mex. 87801.)
138. Grossling, B. F., and Ericksen, G. E., Computer studies of the composition of Chilean nitrate ores: data reduction, basic statistics and correlation analysis: 85 p., 8 figs., 18 tables. (Wa, Da, M.)
139. Gunard, K. T., and Guetzkow, L. C., Small-stream flood investigations in Minnesota, October 1958 to September 1969: 174 p., 16 figs. (Wa, Wb; Rm. 1033, Post Office Bldg., St. Paul, Minn. 55101.)
140. Hackman, R. J., and Williams, P. L., Geologic evaluation of 3-5 micrometer infrared imagery and color photography in southern Utah: 43 p., 9 figs., 1 table. (Wa, Da, F, M.)
141. Hail, W. J., Jr., Geologic reconnaissance map of the Bear Mountain and Oakbrush Ridge quadrangles, Hinsdale and Archuleta Counties, Colorado: 1 sheet, scale 1:48,000. (Wa, Da, Db, M, U; Colorado Geol. Survey, Rm. 254, Columbine Bldg., 1845 Sherman St., Denver, Colo. 80203.)
142. Hail, W. J., Jr., Geologic reconnaissance map of the Chris Mountain and Pagosa Springs quadrangles, Archuleta County, Colorado: 1 sheet, scale 1:48,000. (Wa, Da, Db, M, U; Colorado Geol. Survey, Rm. 254, Columbine Bldg., 1845 Sherman St., Denver, Colo. 80203.)
143. Hail, W. J., Jr., Barnes Harley, and Zapp, A. D., Geologic reconnaissance map of the Rules Hill and Ludwig Mountain quadrangles, La Plata County, Colorado: 1 sheet, scale 1:48,000. (Wa, Da, Db, M, U; Colorado Geol. Survey, Rm. 254, Columbine Bldg., 1845 Sherman St., Denver, Colo. 80203.)
144. Hampton, B. B., and Myers, D. R., Annual compilation and analysis of hydrologic data for Pin Oak Creek, Trinity River basin, Texas, 1969: 28 p., 2 figs. (Wa, Wb, T; Rm. 630, Federal Bldg., 300 East 8th St., Austin, Tex. 78701.)
145. Hardt, W. F., and Cordes, E. H., Analysis of ground-water system in Orange County, California, by use of an electrical analog

- model: 60 p., 24 figs. (Wa, Wb, M, SF, LA; 855 Oak Grove Ave., Menlo Park, Calif. 94025.)
146. Hauth, L. D., and Spencer, D. W., Floods in Coldwater Creek, Watkins Creek, and River Des Peres basins, St. Louis County, Missouri: 21 p., 25 figs. (Wa, Wb; 103 West 10th St., PO Box 340, Rolla, Mo. 65401.)
 147. Hawkins, D. B., and Forbes, R. B., Investigation of gold mineralization along a part of the Elliott Highway, Fairbanks district, Alaska: 65 p., 3 figs., 1 pl. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; and University Ave., College, Alaska 99701.)
 148. Hejl, H. R., Jr., Annual compilation and analysis of hydrologic data for Deep Creek, Colorado River basin, Texas, 1969: 73 p., 2 figs. (Wa, Wb, T; Rm. 630, Federal Bldg., 300 East 8th St., Austin, Tex. 78701.)
 149. Hejl, H. R., Jr., Annual compilation and analysis of hydrologic data for Mukewater Creek, Colorado River basin, Texas, 1969: 84 p., 2 figs. (Wa, Wb, T; Rm. 630, Federal Bldg., 300 East 8th St., Austin, Tex. 78701.)
 150. Helley, E. J., and Brabb, E. E., Geologic map of Late Cenozoic deposits, Santa Clara County, California: 1 map, index map, explanation (3 sheets) scale 1:52,500. (Wa, Da, M, SF; LA; Library, California Div. Mines and Geology, Ferry Bldg., San Francisco, Calif. 94111; State Office Bldg., 107 South Broadway, Los Angeles, Calif. 90012.)
 151. Hladio, Stephen, Poultney River near Hampton, New York: Floodflow characteristics at bridge site: 14 p. (Wa, Wb; 343 U.S. Post Office and Court House, Albany, N.Y. 12201.)
 152. Hodges, C. A., Preliminary study of Hycon photographs, Apollo 14: 5 p., 3 figs. (Wa, Da, F, M.)
 153. Hubbell, D. W., and Glenn, J. L., Distribution of radionuclides in bottom sediments of the Columbia River estuary: 152 p., 33 figs: (Wa, Wb, LA, M, S, SF; 830 NE. Holladay St., Portland, Oreg. 97208.)
 154. Huber, N. K., The Keweenawan geology of Isle Royale, Michigan: 9 p., plus 6 figs. (Wa, Da, M.)
 155. Hull, J. E., Hydrologic conditions during 1969 in Dade County, Florida: 37 p., 39 figs. (Wa, Wb; 903 West Tennessee St., Tallahassee, Fla. 32304.)
 156. Janda, R. J., Preliminary report on coastal terraces and estimated rates of erosion and soil formation, Coos and Curry Counties, Oregon: 6 p., 2 figs. (Wa, Wb, M, SF, S; 830 NE. Holladay St., Portland, Oreg. 97208.)
 157. Jenkins, E. D., Test of the Stroebe Spring, a supplementary study of the Fort Carson Expansion Project, Civil Action No. 9820, Tract No. 202, El Paso County, Colorado: 20 p., 3 figs. (Wa, Wb, Db, U; PO Box 3267, 19th and Iowa Sts., Lawrence, Kans. 66044.)
 158. Johnson, C. W., Bowden, L. W., and Pease, R. W., A system of regional agricultural land use mapping tested against small scale Apollo 9 color infrared photography of the Imperial Valley (California): 97 p., 10 figs., 8 tables. (Wa, Da, F, M.)
 159. Johnson, G. R., Preliminary results of induced polarization-resistivity surveys in the Northgate district, Colorado: 18 p., 7 figs. (Wa, Da, Db, M, U; Colorado Geol. Survey, Rm. 254, Columbine Bldg., 1845 Sherman St., Denver, Colo. 80203.)
 160. Johnson, L. E., Continuing sediment investigations in Indiana by the U.S. Geological Survey—A progress report: 28 p., 4 figs. (Wa, Wb; 1819 North Meridian St., Indianapolis, Ind. 46202.)
 161. Johnson, M. V., and Omang, R. J., Annual peak discharges from small drainage areas in Montana through September 1970: 138 p., 1 fig. (Wa, Wb, Db, S, U; Rm. 421, Federal Bldg., Helena, Mont. 59601.)
 162. Johnson, S. L., Urban hydrology of the Houston, Texas metropolitan area, compilation of basic data, 1968: 302 p., 14 figs. (Wa, Wb, T; Rm. 630, Federal Bldg., 300 East 8th St., Austin, Tex. 78701.)
 163. Jordan, D. G., Water and copper-mine tailings in karst terrane of Rio Tanama basin, Puerto Rico: 24 p., 12 figs. (Wa, Wb; Bldg. 652, Fort Buchanan, P. R. 00934.)
 164. Kachadoorian, Reuben, Preliminary engineering geologic maps of the proposed trans-Alaska pipeline route, Bettles and Beaver quadrangles: 2 sheets (2 maps, explanation, scale 1:125,000). (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm.

- 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
165. Kachadoorian, Reuben, Preliminary engineering geologic maps of the proposed trans-Alaska pipeline route, Livengood and Tanana quadrangles: 2 sheets (2 maps, explanation, scale 1:125,000). (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
166. Kachadoorian, Reuben, Preliminary engineering geologic maps of the proposed trans-Alaska pipeline route, Wiseman and Chandalar quadrangles: 2 sheets (2 maps, explanation, scale 1:125,000). (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
167. Kantrowitz, I. H., and Johnston, R. H., A summary of geologic and hydrologic data from an exploratory well drilled near Greenwood, Delaware: 19 p., 4 figs. (Wa, Wb, 8809 Satyr Hill Rd., Parkville, Md. 21234.)
168. Kantrowitz, I. H., and Webb, W. E., Geologic and hydrologic data from a test well drilled near Chestertown, Maryland: 21 p., 4 figs. (Wa, Wb; 8809 Satyr Hill Rd., Parkville, Md. 21234.)
169. Karlstrom, T. N. V., Preliminary geologic map of the Schickard quadrangle of the Moon: map and explanation (1 sheet), scale 1:1,000,000. (Wa, Da, F, M.)
170. Kidwell, C. C., Annual compilation and analysis of hydrologic data for North Creek, Trinity River basin, Texas, 1969: 32 p., 2 figs. (Wa, Wb, T; Rm. 630, Federal Bldg., 300 East 8th St., Austin, Tex. 78701.)
171. Kinney, D. M., Preliminary geologic map of southwest third of Kings Canyon quadrangle, North Park, Jackson County, Colorado: 1 sheet, scale 1:48,000. (Wa, Da, Db, M, U; Colorado Geol. Survey, Rm. 254, Columbine Bldg., 1845 Sherman St., Denver, Colo. 80203.)
172. Koehler, J. H., Ground-water conditions during 1969, Vandenberg Air Force Base area, California: 37 p., 6 figs. (Wa, Wb, LA, M, SF; 855 Oak Grove Ave., Menlo Park, Calif. 94025.)
173. Koopman, F. C., Open-channel integrating-type flow meter: 25 p., 5 figs. (Wa, Wb, Db, T; PO Box 4369, Albuquerque, N. Mex. 87106.)
174. Kosanke, R. M., Palynological investigations in the Pennsylvanian of Kentucky, VI: 20 p. (Wa, Da, M; 710 West High St., Lexington, Ky. 40508; Kentucky Geol. Survey, Rm. 307, Mineral Industries Bldg., Univ. Kentucky, Lexington, Ky. 40506.)
175. Krinsley, D. B., Davies, W. E., Rachlin, J., and Newton, E. G., Existing environment of natural corridors from Prudhoe Bay, Alaska, to Edmonton, Canada: 104 p., 1 pl. (Wa, Da, Db, M, A, SF, LA, S; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
176. Krushensky, R. D., Hornblende-plagioclase porphyry intrusives in the northeast quarter of the Ponce quadrangle, Puerto Rico: 2 p., 1 map, explanation. (Wa, Da, M; Lamar St. and Franklin Roosevelt Ave., San Juan, P. R. 00963.)
177. Lamonds, A. G., Hydrologic data for Horseshoe Lake, Arkansas, and vicinity: 36 p., 1 pl. (Wa, Wb, T; 2301 Federal Office Bldg., 700 West Capitol Ave., Little Rock, Ark. 72201.)
178. Landis, E. R., and Cone, G. C., Coal reserves of Colorado tabulated by bed: 3 p., 515 tables. (Wa, Da, Db, M; Colorado Geol. Survey, Rm. 254, Columbine Bldg., 1845 Sherman St., Denver, Colo. 80203.)
179. Laney, R. L., Weathering of the granodioritic rocks in the Rose Canyon Lake area, Santa Catalina Mountains, Arizona: 201 p., 44 figs. (Wa, Wb, Db, LA, SF, U; 2555 East 1st St., Tucson, Ariz. 85717; Rm. 5017, Federal Bldg., 230 North 1st Ave., Phoenix, Ariz. 85025.)
180. LaSala, A. M., Jr., and Doty, G. C., Preliminary evaluation of hydrologic factors related to radioactive waste storage in basaltic rocks at

- Hanford Reservation, Washington: 80 p., 10 figs. (Wa, Wb, LA, M, S, SF; Rm. 289, Federal Bldg., Richland, Wash. 99352.)
181. Laughlin, C. P., and Hughes, D. M., Hydrologic records for Volusia County, Florida, 1970-71: 14 p., 31 figs. (Wa, Wb; 903 West Tennessee St., Tallahassee, Fla. 32304.)
 182. Livingston, R. K., Evaluation of streamflow-data program in Colorado: 76 p., 3 figs. (Wa, Wb, Da, Db.)
 183. Lofgren, B. E., Estimated subsidence in the Chino-Riverside and Bunker Hill-Yucaipa areas in southern California for a postulated water-level lowering, 1965 to 2015: 20 p., 5 figs. (Wa, Wb, LA, M, SF; Rm. 2235, Federal Bldg., 2800 Cottage Way, Sacramento, Calif. 95825; 855 Oak Grove Ave., Menlo Park, Calif. 94025.)
 184. Lofgren, B. E., Estimated subsidence in the Raymond Basin, Los Angeles County, California, for a postulated water-level lowering, 1970-2020: 23 p., 6 figs. (Wa, Wb, M, SF, LA; Rm. W-2528, Federal Bldg., 2800 Cottage Way, Sacramento, Calif. 95825; 855 Oak Grove Ave., Menlo Park, Calif. 94025.)
 185. Lowham, H. W., Wilson, J. F., Jr., Preliminary results of time-of-travel measurements on Wind/Bighorn River from Boysen Dam to Greybull, Wyoming: 7 p., 1 fig. (Wa, Wb, Db, U; 1214 Big Horn Ave., Worland, Wyo. 82401; 215 East 8th Ave., Cheyenne, Wyo. 82001.)
 186. McAllister, J. F., Preliminary geologic map of the Amargosa Valley borate area, Inyo County, California: 1 sheet, scale 1:24,000. (Wa, Da, LA, M, SF; Library, California Div. Mines and Geology, Ferry Bldg., San Francisco, Calif. 94111; State Office Bldg., 107 South Broadway, Los Angeles, Calif. 90012.)
 187. McAllister, J. F., Preliminary geologic map of the Funeral Mountains in the Ryan quadrangle, Death Valley region, Inyo County, California: 1 sheet, scale 1:31,680. (Wa, Da, LA, M, SF, Library, California Div. Mines and Geol., Ferry Bldg., San Francisco, Calif. 94111; State Office Bldg., 107 South Broadway, Los Angeles, Calif. 90012.)
 188. McAvoy, R. L., U.S. Geological Survey Central Laboratory in Salt Lake City, Utah: 4 p. (Wa, Wb, U.)
 189. McCauley, J. F., and Wilhelms, D. E., Geologic provinces of the near side of the Moon: 5 p., 1 fig. (Wa, Da, F, M.)
 190. McConaghy, J. A., and Bowman, W. N., Water resources of the Juneau area, Alaska: 82 p., 23 figs. (Wa, Wb, M, A, LA, SF, S; Skyline Bldg., 218 E St., Anchorage, Alaska 99501; Rm. 441, Federal Bldg., 710 West 9th St., Juneau, Alaska 99801.)
 191. McCord, J. R., Review and analysis of Apollo 14 master positives: 6 p., 5 figs., 1 table. (Wa, Da, F, M.)
 192. McCulloch, D. S., Conomos, T. J., Peterson, D. H., and Leong, K., Distribution of mercury in surface sediments in San Francisco Bay estuary, California: map and explanation (1 sheet). (Wa, Da, LA, M, SF; Library, California Div. Mines and Geology, Ferry Bldg., San Francisco, Calif. 94111; State Office Bldg., 107 South Broadway, Los Angeles, Calif. 90012.)
 193. McGreevy, L. J., and Bjorklund, L. J., Geohydrologic sections, Cache Valley, Utah and Idaho: 6 p. (Wa, Wb, SF, U.)
 194. Mack, F. K., Progress report on the analog model study of the Magothy aquifer in the Annapolis, Maryland area: 26 p. 5 figs. (Wa, Wb; 8809 Satyr Hill Rd., Parkville, Md. 21234.)
 195. MacKevett, E. M., Jr., Analyses of samples and preliminary geologic summary of barite-silver-base metal deposits near Glacier Creek, Skagway B-4 quadrangle, southeastern Alaska: 8 p., 2 figs., 1 table. (Wa, Da, Db, M, A, SF, LA, S; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
 196. McLaughlin, R. J., Geology of the Sargent fault zone in the vicinity of Mount Madonna, Santa Clara County, California: 1 map with explanation and cross sections (3 sheets), scale 1:12,000. (Wa, Da, LA, M, SF; Library, California Div. Mines and Geology: Ferry Bldg., San Francisco, Calif. 94111; State Office Bldg., 107 South Broadway, Los Angeles, Calif. 90012.)

197. Maclay, R. W., Winter, T. C., and Bidwell, L. E., Water resources of the Red River of the North drainage basin in Minnesota: 309 p., 58 figs. (Wa, Wb; Rm. 1033, Post Office Bldg., St. Paul, Minn. 55101.)
198. McLean, J. S., The microclimate in Carlsbad Caverns, New Mexico: 67 p., 19 figs. (Wa, Wb, Db, T; Rm. 223, Geology Bldg., Univ. New Mexico, Albuquerque, N. Mex. 87106.)
199. McPherson, B. F., Hydrobiological characteristics of Shark River estuary, Everglades National Park, Florida: 113 p., 19 figs. (Wa, Wb; 903 West Tennessee St., Tallahassee, Fla. 32304; 730 Federal Bldg., 51 SW. 1st Ave., Miami, Fla. 33130.)
200. McPherson, B. F., Water quality of the Dade-Collier Training and Transition Airport, Miami International Airport, and Cottonmouth Camp-Everglades National Park, Florida, November 1969: 29 p., 2 figs. (Wa, Wb; 903 West Tennessee St., Tallahassee, Fla. 32304; Rm. 730, Federal Bldg., 51 SW. 1st Ave., Miami, Fla. 33130.)
201. Massey, B. C., Annual compilation and analysis of hydrologic data for Green Creek, Brazos River basin, Texas, 1969: 44 p., 2 figs. (Wa, Wb, Da, T; Rm. 630, Federal Bldg., 300 East 8th St., Austin, Tex. 78701.)
202. Matson, N. A., Jr., and Richter, D. H., Geochemical data from the Nabesna A-1 quadrangle, Alaska: 10 p., 1 fig. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
203. Matson, N. A., Jr., and Richter, D. H., Geochemical data from the Nabesna C-4 quadrangle, Alaska: 6 p., 1 fig. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
204. Matson, N. A., Jr., and Richter, D. H., Geochemical data from the Nabesna C-5 quadrangle, Alaska: 10 p., 1 fig. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
205. Matson, N. A., Jr., and Richter, D. H., Geochemical data from the Nabesna D-5 quadrangle, Alaska: 8 p., 1 fig. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
206. Mercer, J. W., and Lappala, E. G., Drilling and testing of well 69, Fort Wingate Army Depot, McKinley County, New Mexico: 41 p., 7 figs. (Wa, Wb, Db, T; Rm. 223, Geology Bldg., Univ. New Mexico, Albuquerque, N. Mex. 87106.)
207. Meyer, F. W., Preliminary evaluation of the hydrologic effects of implementing water and sewerage plans, Dade County, Florida: 103 p., 20 figs. (Wa, Wb; 903 West Tennessee St., Tallahassee, Fla. 32304; Rm. 730, Federal Bldg., 51 SW. 1st Ave., Miami, Fla. 33130.)
208. Miller, E. M., Virginia small streams program—preliminary flood-frequency relations: 28 p., 13 figs. (Wa, Wb; 200 West Grace St., Rm. 304, Richmond, Va. 23220.)
209. Miller, R. E., and Singer, J. A., Subsidence in the Bunker Hill-San Timoteo area, southern California: 27 p., 17 figs. (Wa, Wb, LA, M, SF; 855 Oak Grove Ave., Menlo Park, Calif. 94025.)
210. Miller, T. P., Petrology of the plutonic rocks of west-central Alaska: 136 p. (incl. 32 figs., 12 tables), 5 pls. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
211. Miller, T. P., Elliott, R. L., Grybeck, D. H., and Hudson, T. L., Results of geochemical sampling in the northern Darby Mountains, Seward Peninsula, Alaska: 12 p. (incl. 1 fig., 1 table). (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm.

- 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
212. Mudge, M. R., Earhart, R. L., Watts, K. C., Jr., Tuckek, E. T., and Rice, W. L., Mineral Resources of the Lincoln Back Country area, Powell and Lewis and Clark Counties, Montana, *with a section on Geophysical surveys*, by D. L. Peterson: 326 p., (incl. 160 p. tables, 5 pls. 19 figs., 8 photographs). (Wa, Da, Db, M, U; Montana Bur. Mines and Geology, Montana College Mineral Sci. and Technology, Butte, Mont. 59701; U.S. Bur. Mines, West 222 Mission, Spokane, Wash. 99201.)
 213. Muffler, L. J. P., Evaluation of initial investigations, Dieng geothermal area, central Java, Indonesia: 21 p., 1 fig., 1 table. (Wa, Da, M.)
 214. Mycyk, R. T., and Grant, R. S., Floods in Harvard southwest quadrangle, northeastern Illinois: 13 p., 10 figs., 1 pl. (Wa, Wb; PO Box 1026, 605 North Neil St., Champaign, Ill. 61820.)
 215. Nelson, L. M., Sediment transport by streams in the Snohomish River basin, Washington, October 1967-June 1968: 96 p., 28 figs. (Wa, Wb, LA, M, S, SF; Rm. 300, 1305 Tacoma Ave., South, Tacoma, Wash. 98402.)
 216. Nichols, D. R., and Wright, N. A., Preliminary map of historic margins of marshland, San Francisco Bay, California: 11 p., 1 map, scale 1:125,000. (Wa, Da, LA, M, SF; Library, California Div. Mines and Geology, Ferry Bldg., San Francisco, Calif. 94111; State Office Bldg., 107 South Broadway, Los Angeles, Calif. 90012.)
 217. Nilsen, T. H., and Brabb, E. E., Preliminary photointerpretation and damage maps of landslide and other surficial deposits in northeastern San Jose, California: Map, explanation (1 sheet), scale 1:24,000. (Wa, Da, M, SF, LA; Library, California Div. Mines and Geology, Ferry Bldg., San Francisco, Calif. 94111; State Office Bldg., 107 South Broadway, Los Angeles, Calif. 90012.)
 218. Nunnally, N. R., and Witmer, R. E., A land use interpretation experiment, TR 69-5: 22 p., 4 figs., 1 table. (Wa, Da, F, M.)
 219. Offield, T. W., and Karlstrom, T. N. V., Traverse map of the Fra Mauro landing site: 1 sheet, scale 1:5,000. (Wa, Da, Db, A, F, LA, M, S, SF, T, U.)
 220. Oldale, R. N., Uchupi, Elazar, and Prada, K. E., Western Gulf of Maine and the southeastern Massachusetts offshore area: sedimentary framework: 37 p. (incl. 1 fig.), 7 sheets. (Wa, Da, M; 80 Broad St., Boston, Mass. 02110; Albatross St., Woods Hole, Mass. 02543.)
 221. Overstreet, W. C., Monazite in Taiwan: 80 p., 1 fig., 7 tables. (Wa, Da, M.)
 222. Overstreet, W. C., White, A. M., Theobald, P. K., Jr., and Caldwell, D. W., Selected fluvial monazite deposits in the Southeastern United States: 108 p., 4 pls., 1 fig., 17 tables. (Wa, Da, M.)
 223. Page, R. W., Base of fresh ground-water approximately 3000 micromhos, in the San Joaquin Valley, California: 13 p., 1 pl. (Wa, Wb, M, SF, LA; 855 Oak Grove Ave., Menlo Park, Calif. 94025.)
 224. Patton, W. W., Jr., and Csejtey, Béla, Jr., Preliminary geologic investigations of eastern St. Lawrence Island, Alaska: 52 p. (incl. 41 p., tables, 4 figs.) (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
 225. Pease, R. W., Alexander, R. H., and Pease, S. R., Mapping terrestrial radiation emission with the RS-14 scanner: 27 p., 12 figs. (Wa, Da, F, M.)
 226. Pitt, A. M., Microearthquake activity in the vicinity of Wooded Island, Hanford region, Washington: 24 p., 7 figs., 2 tables. (Wa, Da, M.)
 227. Pollock, S. J., Salt contamination of the water supply at Auburn, Massachusetts: 13 p., 1 fig. (Wa, Wb; Rm. 2300, John F. Kennedy Federal Bldg., Boston, Mass. 02203.)
 228. Powell, J. E., and Jorgensen, D. G., Approximate optimum yield of the glacial outwash aquifer between Sioux Falls and Dell Rapids, South Dakota: 9 p., 1 fig. (Wa, Wb; Rm. 231, Federal Bldg., Huron, S. Dak. 75350.)

229. Powers, W. R., III, and Irwin, G. A., Water-resources inventory, spring 1969 to spring 1970, Antelope Valley-East Kern Water Agency area, California: 19 p., 10 figs. (Wa, Wb, M, SF, LA; 855 Oak Grove Ave., Menlo Park, Calif. 94025.)
230. Rabon, J. W., A proposed streamflow-data program for Florida: 64 p., 2 figs. (Wa, Wb; 903 West Tennessee St., Tallahassee, Fla. 32304.)
231. Radbruch, D. H., and Wentworth, C. M., Estimated relative abundance of landslides in the San Francisco Bay region, California: map and explanation, scale 1:500,000, text (total—1 sheet). (Wa, Da, LA, M, SF; Library, California Div. Mines and Geology, Ferry Bldg., San Francisco, Calif. 94111; State Office Bldg., 107 South Broadway, Los Angeles, Calif. 90012.)
232. Reddy, D. R., Annual compilation and analysis of hydrologic data for Escondido Creek, San Antonio River basin, Texas, 1969: 62 p., 2 figs. (Wa, Wb, Da, T; Rm. 630, Federal Bldg., 300 East 8th St., Austin, Tex. 78701.)
233. Reed, J. C., Jr., and Love, J. D., Preliminary geologic map of the Mount Bannion quadrangle, Teton County, Wyoming: 1 sheet, scale 1:24,000. (Wa, Da, Db, M, U; Geol. Survey Wyoming, Univ. Wyoming, Laramie, Wyo. 82070.)
234. Reed, L. A., Effects of roadway and pond construction on sediment yield near Harrisburg, Pennsylvania: 26 p., 7 figs. (Wa, Wb; 228 Walnut St., Harrisburg, Pa. 17108.)
235. Reeder, H. E., Sedimentation in Third Creek Subwatershed No. 7A, North Carolina: 31 p., 3 figs. (Wa, Wb; 300 Fayetteville St., Raleigh, N. C. 27602.)
236. Reiland, L. J., Depletions, losses, and gains along the Pecos River from Alamogordo Dam to Acme gage, New Mexico: 110 p., 23 figs. (Wa, Wb, Db, T; Rm. 223, Geology Bldg., Univ. New Mexico, Albuquerque, N. Mex. 87106.)
237. Reiser, H. N., Brosgé, W. P., Dutro, J. T., Jr., and Detterman, R. L., Preliminary geologic map, Mt. Michelson quadrangle, Alaska: map, explanation (2 sheets), scale 1:200,000. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504, University Ave., College, Alaska 99701.)
238. Renner, J. L., Lithologic units useful for solar evaporation pond construction at Searles Lake, San Bernardino County, California: 6 p., 1 fig., 1 pl. (map at scale 1:62,500). (Wa, Da, M, SF, LA, U.)
239. Rickher, J. G., and others, Water records of Puerto Rico, 1964-67, vol. 1: 265 p., 9 maps. (Wa, Wb; Bldg. 652, Fort Buchanan, P. R. 00934.)
240. Robbins, W. D., Annual compilation and analysis of hydrologic data for urban studies in the Austin, Texas, metropolitan area, 1969: 46 p., 3 figs. (Wa, Wb, T; Rm. 630, Federal Bldg., 300 East 8th St., Austin, Tex. 78701.)
241. Robertson, A. F., A preliminary evaluation of hydrologic conditions in the Lakeland Ridge area of Polk County, Florida: 48 p., 8 figs. (Wa, Wb; 903 West Tennessee St., Tallahassee, Fla. 32304; Rm. 437, Federal Bldg., 500 Zack St., Tampa, Fla. 33602.)
242. Rossman, D. L., Ahmad, Zaki, and Rahman, Hamidur, Geology and economic potential for chromite in the Zhob Valley ultramafic rock complex, Hindubagh, Quetta Division, West Pakistan: 63 p., 13 figs. (Wa, Da, M.)
243. Sansom, J. N., Annual compilation and analysis of hydrologic data for Cow Bayou, Brazos River basin, Texas, 1969: 76 p., 3 figs. (Wa, Wb, T; Rm. 630, Federal Bldg., 300 East 8th St., Austin, Tex. 78701.)
244. Sansom, J. N., Annual compilation and analysis of hydrologic data for Elm Fork Trinity River, Trinity River basin, Texas, 1969: 47 p., 2 figs. (Wa, Wb, T; Rm. 630, Federal Bldg., 300 East 8th St., Austin, Tex. 78701.)
245. Santos, E. S., and Moench, R. H., Measured sections of the Morrison Formation and related rocks in northwestern New Mexico: 61 p., 1 fig., 1 table. (Wa, Da, Db, M, U, T; Rm. 223, Geology Bldg., Univ. New Mexico, Albuquerque, N. Mex. 87106; New Mexico State Bur. Mines and Mineral Resources, Socorro, N. Mex. 87801.)
246. Schlocker, J., Generalized geologic materials of the San Francisco Bay region: map, explanation, text (1 sheet), scale 1:500,000. (Wa, Da, LA, M, SF; Library, California Div.

- Mines and Geology, Ferry Bldg., San Francisco, Calif. 94111; State Office Bldg., 107 South Broadway, Los Angeles, Calif. 90012.)
247. Schmoll, H. R., and Dobrovolsky, Ernest, Generalized slope map of the Eagle River—Birchwood area, greater Anchorage area, Borough, Alaska: 1 sheet, scale 1:63,360. (Wa, Da, Db, M, A, SF, LA, S; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
 248. Schmoll, H. R., Dobrovolsky, Ernest, and Zenone, Chester, Generalized geologic map of the Eagle River—Birchwood area, greater Anchorage area, Borough, Alaska: 1 sheet, scale 1:63,360. (Wa, Da, Db, M, A, SF, LA, S; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
 249. Schroeder, E. E., Flood stages and discharges for small streams in Texas: 319 p., 6 figs. (Wa, Wb, Da, T; Rm. 630, Federal Bldg., 300 East 8th St., Austin, Tex. 78701.)
 250. Schroeder, M. L., Preliminary geologic map of the Clause Peak quadrangle, Lincoln, Sublette, and Teton Counties, Wyoming: Map with cross sections and table of chemical analyses of phosphatic rock (1 sheet), scale 1:24,000. (Wa, Da, Db, M, U.)
 251. Scott, A. G., Preliminary flood-frequency relations and summary of maximum discharges in New Mexico—A progress report: 76 p., 8 figs. (Wa, Wb, Db, T; Rm. 223, Geology Bldg., Univ. New Mexico, Albuquerque, N. Mex. 87106.)
 252. Scott, G. R., Preliminary map of landslide deposits in the Green Mountain area, Jefferson County, Colorado: 3 p., 1 sheet, scale 1:24,000. (Wa, Da, Db, M, U.)
 253. Shaffer, F. B., Characteristics of streamflow at gaging stations in Shell Creek, Elkhorn River, and Salt Creek basin, Nebraska: 73 p., 10 figs. (Wa, Wb; Rm. 127, Nebraska Hall, 901 North 17th St., Lincoln, Nebr. 68508.)
 254. Sharp, R. V., Meidav, Tsvi, and Sigurdson, D. R., Seismic profiles of Salton Sea, southern California—Cruise of August 1969: 2 maps and explanation (1 sheet), 7 rolls sparker records. (M, LA.)
 255. Shattles, D. E., Quality of surface water in the Pat Harrison Waterway District, Mississippi, 1970 water year: 58 p., 1 fig. (Wa, Wb; 430 Bounds St., Jackson, Miss. 39206.)
 256. Sheridan, D. M., and Reed, J. C., Jr., Preliminary geologic map of the Bergen Park area, Jefferson and Clear Creek Counties, Colorado: map and explanation (1 sheet), scale 1:24,000. (Wa, Da, Db, M, U.)
 257. Sheth, Madhusudan, A heavy mineral study of Pleistocene and Holocene sediments near Nome, Alaska: 83 p., (incl. 25 figs.). (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
 258. Silvey, W. D., Concentration of minor elements in California streams, 1960-69: 37 p. (Wa, Wb, M, SF, LA; 855 Oak Grove Ave., Menlo Park, Calif. 94025.)
 259. Simmons, G. C., Geologic map of the Ishpeming quadrangle, Marquette County, Michigan: 1 sheet, scale 1:12,000. (Wa, Da, M; Michigan Dept. of Natural Resources, Geol. Survey Div., Stevens T. Mason Bldg., Lansing, Mich. 48926.)
 260. Simonett, D. S., and Brooner, W. G., Crop type discrimination with color infrared photography: preliminary results in Douglas County, Kansas: 7 p., 1 fig., 1 table. (Wa, Da, F, M.)
 261. Simonett, D. S., Henderson, F. M., and Egbert, D. D., On the use of space photography for identifying transportation routes: a summary of problems: 23 p., 9 figs., 9 tables. (Wa, Da, F, M.)
 262. Simons, F. S., Geologic map of the Lochiel quadrangle, Santa Cruz County, Arizona: 5 sheets, scale 1:48,000. (Wa, Da, Db, LA, M, SF, U; Arizona Bur. Mines, Univ. Arizona, Tucson, Ariz. 85721.)

263. Simons, F. S., Geologic map of the Nogales quadrangle, Santa Cruz County, Arizona: 6 sheets, scale 1:48,000. (Wa, Da, Db, LA, M, SF, U; Arizona Bur. Mines, Univ. Arizona, Tucson, Ariz. 85721.)
264. Skipp, Betty and McMannis, W. J., Geologic map of the Sedan quadrangle, Gallatin and Park Counties, Montana: map and explanation (2 sheets), scale 1:48,000. (Wa, Da, Db, M, S, U; Idaho Bur. Mines and Geology, Univ. Idaho, Moscow, Idaho 83843; Montana Bur. Mines and Geology, Montana College Min. Sci. and Technology, Butte, Mont. 59701.)
265. Slack, K. V., and others, Selected procedures for biological and microbiological investigations: 68 p. (Wa, Wb, M.)
266. Sniegocki, R. T., and Bedinger, M. S., A plan for water-resources investigations in Arkansas, with definitions of hydrologic units: 70 p., 8 figs. (Wa, Wb, T; Rm. 2301, Federal Office Bldg., 700 West Capitol Ave., Little Rock, Ark. 72201.)
267. Staatz, M. H., Geologic map of the Hall Mountain area in Copeland quadrangle, Boundary County, Idaho: map (2 sheets), scale 1:24,000. (Wa, Da, M, S, U.)
268. Steele, T. D., A study of the chemical quality of streamflow in Arkansas: 96 p., 8 figs. (Wa, Wb, T; Rm. 2301, Federal Office Bldg., 700 West Capitol St., Little Rock, Ark. 72201.)
269. Stone, B. D., Deglaciation events in part of the Manchester South 7.5' quadrangle, south-central New Hampshire: 84 p., 2 pls., 16 figs. (Wa; 80 Broad St., Boston, Mass. 02110; New Hampshire Dept. Resources and Econ. Devel., State House Annex, Concord, N. H. 03301.)
270. Sullavan, J. N., Thermal survey of Dardanelle Reservoir: 31 p., 1 fig. (Wa, Wb, T; Rm. 2301, Federal Office Bldg., 700 West Capitol St., Little Rock, Ark. 72201.)
271. Sumsion, C. T., Water-resources investigations in Dinosaur National Monument, Utah-Colorado, fiscal year 1970: 52 p., 13 figs. (Wa, Wb, Db; Rm. 8002, Federal Bldg., 125 South State St., Salt Lake City, Utah 84111.)
272. Sutton, R. L., Batson, R. M., Larson, K. B., Schafer, J. P., Eggleton, R. E., and Swann, G. A., Documentation of the Apollo 14 samples: 37 p. (incl. 31 figs.). (Wa, Da, F, M.)
273. Sutton, R. L., Hait, M. H., Wolfe, E. W., Batson, R. M., Bailey, N. G., Freeman, V. L., Larson, K. B., Muehlberger, W. R., Reed, V. S., Schaber, G. G., Swann, G. A., Tyner, R. L., Ulrich, G. E., and Wilshire, H. G., Preliminary documentation of the Apollo 15 samples: 153 p., 55 figs., 5 tables. (Wa, Da, Db, M, A, SF, LA, S, U.)
274. Swann, G. A., and others, Preliminary geologic investigations of the Apollo 14 landing site: 124 p., 60 figs., 4 tables. (Wa, Da, F, M.)
275. Swift, C. H., III, Appraisal of streamflow in Tualatin River basin, Washington County, Oregon: 68 p., 14 figs. (Wa, Wb, LA, M, SF, S; 830 NE. Holladay St., Portland, Oreg. 97208.)
276. Tailleur, I. L., Translation of 1964 Russian correlations between Wrangel Island and northern Alaska: 13 p., 2 figs. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
277. Tanner, A. B., Linear combination reading program for capture gamma rays: 9 p. (Wa.)
278. Taylor, O. J., Preliminary digital model studies of the Rio Aconcagua Valley, Chile: 37 p., 8 figs. (Wa, Wb.)
279. Terman, M. J., Environments at U.S. and U.S.S.R. nuclear explosion sites: petroleum-stimulation projects: 62 p., 25 figs., 8 tables. (Wa, Da, M.)
280. Theobald, P. K., and Thompson, C. E., Geochemical maps of Samrah and vicinity, Kingdom of Saudi Arabia: 9 p., 8 figs. (Wa, Da, M.)
281. Theobald, P. K., Jr., Al Kushaymiyah as a target for a Colorado-type molybdenite deposit: 13 p., 3 pls., 2 figs. (Wa, Da, M.)
282. Theodore, T. G., Geologic map of the Copper Canyon area, Battle Mountain mining district, Lander County, Nevada: Map and explanation (2 sheets), scale 1:4,800. (Wa, Da, M, SF, LA, U; Library, Mackay School Mines, Univ. Nevada, Reno, Nev. 89507.)
283. Thompson, Woodrow, The drainage and glacial history of the Still River Valley, southwestern

- Connecticut: 55 p., 12 figs., 1 map, scale 1:24,000. (Wa; 80 Broad St., Boston, Mass. 02110; Connecticut Geol. and Nat. History Survey, Wesleyan Univ., Middletown, Conn. 06457.)
284. Tourtelot, H. A., and Tailleur, I. L., The Shublik Formation and adjacent strata in northwestern Alaska: 62 p., 1 fig., 1 table. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
285. Truesdell, A. H., Geochemical evaluation of the Dieng Mountains, central Java, for the production of geothermal energy: 14 p., 4 figs., 7 tables. (Wa, Da, M.)
286. Tweto, Ogden, Geologic map of the Holy Cross quadrangle, Eagle, Lake, Pitkin, and Summit Counties, Colorado: map, explanation (2 sheets), scale 1:24,000. (Wa, Da, Db, M, U; Colorado Geol. Survey, Rm. 254, Columbine Bldg., 1845 Sherman St., Denver, Colo. 80203.)
287. Tyley, S. J., Analog model study of the ground-water basin of the upper Coachella Valley, California: 89 p., 38 figs. (Wa, Wb, LA, M, SF; 855 Oak Grove Ave., Menlo Park, Calif. 94025; 13245 Harbor Blvd., Garden Grove, Calif. 92643.)
288. U.S. Geological Survey, Aeromagnetic map of part of south-central New Mexico: 1 sheet, scale 1:62,500. (Wa, Da, Db, M, T, U; Rm. 223, Geology Bldg., Univ. New Mexico, Albuquerque, N. Mex. 87106; New Mexico State Bur. Mines and Mineral Resources, Campus Station, Socorro, N. Mex. 87801.)
289. U.S. Geological Survey, Aeromagnetic map of part of west-central Utah: 1 sheet, scale 1:250,000. (Wa, Da, Db, M, U; Idaho Bur. Mines and Geology, Moscow, Idaho 83843; Montana Bur. Mines and Geology, Montana College Mineral Sci. and Technology, Butte, Mont. 59701; Utah Geol. and Mineralog. Survey, Rm. 103, Utah Geol. Survey Bldg., Univ. Utah, Salt Lake City, Utah 84111.)
290. U.S. Geological Survey, Aeromagnetic map of southwestern Idaho: 1 sheet, scale 1:500,000. (Wa, Db, M, S, U; Idaho Bur. Mines and Geology, Moscow, Idaho 83843.)
291. U.S. Geological Survey, Aeromagnetic map of the Challis, May, Lone Pine Peak, and Doublespring quadrangles, east-central Idaho: scale 1:62,500. (Wa, Da, Db, M, S, U; Idaho Bur. Mines and Geology, Univ. Idaho, Moscow, Idaho 83843.)
292. U.S. Geological Survey, Aeromagnetic map of the Custer, Elevenmile Creek, Sunbeam, Thompson Creek, and Clayton quadrangles, east-central Idaho: 1 sheet, scale 1:62,500. (Wa, Da, Db, M, S, U; Idaho Bur. Mines and Geology, Univ. Idaho, Moscow, Idaho 83843.)
293. U.S. Geological Survey, Aeromagnetic map of the Patterson and Leodore quadrangles, east-central Idaho: 1 sheet, scale 1:62,500. (Wa, Da, Db, M, S, U; Idaho Bur. Mines and Geology, Univ. Idaho, Moscow, Idaho 83843.)
294. U.S. Geological Survey, Aeromagnetic map of the southern part of the San Francisco Bay region, California: 1 sheet, scale 1:125,000. (Wa, Da, M, SF, LA; Library, California Div. Mines and Geology, Ferry Bldg., San Francisco, Calif. 94111; State Office Bldg., 107 South Broadway, Los Angeles, Calif. 90012.)
295. U.S. Geological Survey, Aeromagnetic map of the Stillwater complex and vicinity, south-central Montana: 2 sheets, scale 1:62,500. (Wa, Da, Db, M, S, U; Montana Bur. Mines and Geology, Montana College of Mineral Sci. and Technology, Butte, Mont. 59701.)
296. U.S. Geological Survey, An evaluation of ground-water conditions in the vicinity of the Bel Bay development, Lummi Indian Reservation, Washington: 25 p., 2 figs. (Wa, Wb, M, SF, LA, S; Rm. 300, 1305 Tacoma Ave., South, Tacoma, Wash. 98402.)
297. U.S. Geological Survey, Apollo 14 traverse map: 1 sheet, scale 1:2,500. (Wa, Da, F, M.)
298. U.S. Geological Survey, Chemical quality of water in southeastern Wyoming: 67 p., 1 fig. (Wa, Wb, Db, U; 215 East 8th Ave., Cheyenne, Wyo. 82201.)
299. U.S. Geological Survey, Compilation of hydrologic data, Calaveras Creek, San Antonio River basin, Texas, 1968: 66 p., 2 figs. (Wa, Wb, T; Rm. 630, Federal Bldg., 300 East 8th St., Austin, Tex. 78701.)

300. U.S. Geological Survey, Compilation of hydrologic data, Deep Creek, Colorado River basin, Texas, 1968: 86 p., 2 figs. (Wa, Wb, T; Rm. 630, Federal Bldg., 300 East 8th St., Austin, Tex. 78701.)
301. U.S. Geological Survey, Compilation of hydrologic data, Green Creek, Brazos River basin, Texas, 1968: 66 p., 2 figs. (Wa, Wb, T; Rm. 630, Federal Bldg., 300 East 8th St., Austin Tex. 78701.)
302. U.S. Geological Survey, Compilation of hydrologic data, Honey Creek, Trinity River basin, Texas, 1968: 78 p., 2 figs. (Wa, Wb, T; Rm. 630, Federal Bldg., 300 East 8th St., Austin Tex. 78701.)
303. U.S. Geological Survey, Compilation of hydrologic data, Pin Oak Creek, Trinity River basin, Texas, 1968: 44 p., 2 figs. (Wa, Wb, T; Rm. 630, Federal Bldg., 300 East 8th St., Austin Tex. 78701.)
304. U.S. Geological Survey, Hadley-Apennine site shaded relief map: 1 sheet, scale 1:12,500. (Wa, Da, F, M.)
305. U.S. Geological Survey, Preliminary report on the geology and field petrology at the Apollo 15 landing site: 15 p., 6 figs., 4 tables. (Wa, Da, Db, A, F, LA, M, S, SF, T, U.)
306. U.S. Geological Survey, Side looking radar mosaic (APS-94D), Connecticut and Rhode Island, with parts of adjacent states—uncontrolled (south looking); uncontrolled (north looking): 2 sheets (mosaics), scale 1:500,000. (Wa, Da, M; 80 Broad St., Boston, Mass. 02110; Connecticut Geol. and Nat. History Survey, Wesleyan Univ., Middletown, Conn. 06457.)
307. U.S. Geological Survey, Surface operational maps of the Apennine-Hadley landing site—Apollo 15: 2 sheets, scales 1:25,000 and 1:12,500. (Wa, Da, F, M.)
308. U.S. Geological Survey, the U.S. Bureau of Land Management, and the U.S. Bureau of Mines, Base maps of areas underlain by Green River Formation in the eastern part of the Uinta Basin, Utah and Colorado, the southern part of the Green River Basin, Wyoming and Utah, and the Piceance Creek Basin, Colorado: 3 sheets, scale 1:250,000. (Wa, Db, U.)
309. Vedder, J. G., Dibblee, T. W., Jr. and Brown, R. D., Jr., Geologic map of the upper Mono Creek—Pine Mountain area, California, showing rock units and structures offset by the Big Pine Fault: 1 sheet, scale 1:48,000. (Wa, Da, M, LA, SF; Library, California Div. Mines and Geology, Ferry Bldg., San Francisco, Calif. 94111; State Office Bldg., 107 South Broadway, Los Angeles, Calif. 90012.)
310. Venkatarathnam, K., Heavy minerals on the continental shelf of the northern Bering Sea: 93 p., 57 figs. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
311. Voegeli, P. T., Sr., Hydraulic testing and sampling of water well 1, Project Wagon Wheel, Sublette County, Wyoming: 26 p., 7 Figs. (Wa, Wb, Db; Office of Coordinator, AEC Hydrology Project, Bldg. 25, Denver Federal Center, Denver, Colo. 80225.)
312. Voegeli, P. T., Sr., and Claassen, H. C., Radiochemical analyses of water from selected streams, wells, springs, and precipitation collected prior to reentry drilling, Project Rulison: 15 p., 1 fig. (Wa, Wb, Db; AEC Hydrology Projects Office, Bldg., 25, Denver Federal Center, Denver, Colo. 80225.)
313. Waananen, A. O., Floods from small drainage areas in California—A compilation of peak data, October 1958 to September 1970: 134 p., 27 figs. (Wa, Wb, M, SF, LA; 855 Oak Grove Ave., Menlo Park Calif. 94025.)
314. Wallace, J. C., An inventory of medium-sized lakes in California, 1970: 7 p., 1 fig. (Wa, Wb, LA, M, SF; 855 Oak Grove Ave., Menlo Park, Calif. 94025.)
315. Water Resources Division, Index of surface water stations in Texas, October 1971: 28 p., 1 fig. (Wa, Wb, Db, U; 215 East 8th Ave., Cheyenne, Wyo. 82001; 1214 Big Horn Ave., Worland, Wyo. 82401.)
316. Webber, E. E., and Mayo, R. I., Low-flow study for southwest Ohio streams: 20 p., 1 fig. (Wa, Wb; 975 West 3d Ave., Columbus, Ohio 43212.)
317. Weber, F. R., Preliminary engineering geologic maps of the proposed trans-Alaska pipeline route, Fairbanks and Big Delta quadrangles: 2 sheets (2 maps, explanation, scale 1:125,000). (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg.,

- College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
318. Weber, F. R., Preliminary engineering geologic maps of the proposed trans-Alaska pipeline route, Mount Hayes quadrangle: 2 sheets 2 maps, explanation, scale 1:125,000. (Wa, Da, Db, A, M, LA, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
319. Weis, Paul, and Tuckek, E. T., Mineral resources of ten areas proposed as additions to the Eagle Cap Wilderness, Oregon: 52 p., 2 pl., 10 figs., 3 tables (one table is 112 p. long). (Wa, Da, M, SF, LA, S; Oregon Dept. Geology and Mineral Industries, Rm. 1069, State Office Bldg., 1400 SW. 5th Ave., Portland, Oreg. 97201; U.S. Bur. Mines, West 222 Mission St., Spokane, Wash. 99201.)
320. Welder, F. A., Ground-water reconnaissance of selected sites in Rocky Mountain National Park and Shadow Mountain National Recreation area, Colorado: 16 p., 3 figs. (Wa, Wb, Da, Db.)
321. Welder, G. E., Map showing the altitude and configuration of the water level in the "shallow aquifer," January 1969, Roswell basin, Chaves and Eddy Counties, New Mexico: 1 map. (Wa, Wb, Db, T; PO Box 4369, Albuquerque, N. Mex. 87106.)
322. Whitaker, G. L., A proposed streamflow-data program for Utah: 46 p., 4 figs. (Wa, Wb, U.)
323. Whitlow, J. W., Areas in the southern Najd quadrangle, Saudi Arabia, recommended for mineral investigations: 11 p., 2 figs. (Wa, Da, M.)
324. Whitlow, J. W., Map showing approximate top of Jacobsville sandstone, an erosion surface, in parts of Rockland and Greenland quadrangles, Ontonagon County, Michigan: map and explanation (1 sheet), scale 1:62,500. (Wa, Da, M; Michigan Dept. Nat. Resources, Geol. Survey Div., Stevens T. Mason Bldg., Lansing, Mich. 48926.)
325. Wibben, H. C., Peak stages and discharges on small streams in Tennessee, 1965-71: 52 p., 1 fig. (Wa, Wb; Rm. 144, Federal Office Bldg., Nashville, Tenn. 37203.)
326. Wilhelms, D. E., and Davis, D. E., Two former faces of the Moon: 5 p., 3 figs. (Wa, Da, F, M.)
327. Williams, G. P., Aids in designing laboratory flumes: 194 p., 69 figs. (Wa, Wb.)
328. Winkler, G. R., Mackevett, E. M., Jr., and Smith, J. G., Geochemical reconnaissance of the McCarthy B-6 quadrangle, Alaska: 8 p. (incl. 4 tables; 1 pl.), scale 1:63,360. (Wa, Da, Db, A, LA, M, S, SF; Brooks Bldg., College, Alaska 99701; Rm. 441, Federal Bldg., Juneau, Alaska 99801; Alaska Div. Geol. Survey: Rm. 509, Goldstein Bldg., Juneau, Alaska 99801; 323 East 4th Ave., Anchorage, Alaska 99504; University Ave., College, Alaska 99701.)
329. Witmer, R. E., Tellico test site land use map: 6 p., 1 fig., 8 maps. (Wa, Da, F, M.)
330. Wotorson, C. S., and Behrendt, J. C., Aeromagnetic map of the Juarzoa quadrangle, Liberia: 2 sheets, 5 p., scale 1:250,000. (Wa, Da, M.)
331. Wotorson, C. S., and Behrendt, J. C., Aeromagnetic map of the Zwedru quadrangle, Liberia: 2 sheets, 5 p., scale 1:250,000. (Wa, Da, M.)
332. Wotorson, C. S., and Behrendt, J. C., Total-count gamma radiation map of the Zwedru quadrangle, Liberia: 1 map (2 sheets), scale 1:250,000, 5 p. (Copy at scale of 1:125,000 included.) (Wa, Da, M.)
333. Wright, J. C., and Finch, W. I., An annotated bibliography of fauna and flora described from the Dockum Group of Triassic age in eastern New Mexico and west Texas: 26 p. (Wa, Da, Db, T, U; Bur. Econ. Geology, Univ. Texas, Austin, Tex. 78712.)
334. Wrucke, C. T., and Armbrustmacher, T. J., Preliminary geologic map of the Tenabo area, Shoshone Range, Lander County, Nevada: map and explanation (1 sheet), scale 1:15,840. (Wa, Da, LA, SF, U; Library, Mackay School Mines, Univ. Nevada, Reno, Nev. 89507.)

335. Yerkes, R. F., Campbell, R. H., Blackerby, B. A., Wentworth, C. M., Birkeland, P. W., and Schoellhamer, J. E., Preliminary geologic map of the Malibu Beach quadrangle, Los Angeles County, California: map with explanation and cross sections (2 sheets), scale 1:12,000. (Wa, Da, M, SF, LA; Library, California Div. Mines and Geology, Ferry Bldg., San Francisco, Calif. 94111; State Office Bldg., 107 South Broadway, Los Angeles, Calif. 90012.)
336. Yotsukura, Nobuhiro, Cory, R. L., and Murakami, Ken, A tracer simulation of waste transport in the Muddy Creek—Rhode River estuary, Maryland: 28 p., 6 figs. (Wa, Wb.)
337. Zohdy, A. A. R., Hershey, L. A., Emery, P. A., and Stanley, W. D., Resistivity sections, upper Arkansas River basin, Colorado: 21 p., 1 fig. (Wa, Wb, Da, Db, U.)

INDEX

	Report		Report
A			
Alaska, analyses and geologic summary, barite-silver-base metal deposits, Skagway B-4 quadrangle	195	Alaska--Continued	
bedrock geologic map, Wiseman and Survey Pass quadrangles	56	Pleistocene and Holocene sediments, near Nome, heavy minerals	257
Bouguer anomaly maps, Seward Peninsula and Yukon Flats	14	Prudhoe Bay to Edmonton, Canada, environment	175
coal resources, Cape Beaufort coal field	61	seismic reflection profiles, Chukchi Sea	125
correlation of Paleozoic structure of Wrangel Island with western Brooks Range	276	Shublik Formation	284
Cretaceous plutonic rocks, St. Lawrence Island	224	slope map, Eagle River-Birchwood area	247
crystalline rock samples, Yukon River-Porcupine River area, magnetic susceptibilities	55	stream-sediment and rock analyses, Anchorage B-6 quadrangle	70
early Paleozoic fossils, Neruokpuk Formation	91	Anchorage B-7 quadrangle, geochemical	71
engineering geologic maps, Beechey Point and Sagavanirktok quadrangles, proposed pipeline route	101	Eagle quadrangle	110, 111
Bettles and Beaver quadrangles, proposed pipeline route	164	anomalous distribution of elements	112
Fairbanks and Big Delta quadrangles, proposed pipeline route	317	stream-sediment samples, Taylor Mountains D-8 quadrangle	68
Gulkana quadrangle, proposed pipeline route	102	water resources	105
Livengood and Tanana quadrangles, proposed pipeline route	165	Juneau area	190
Mount Hayes quadrangle, proposed pipeline route	318	west-central, petrology, plutonic rocks	210
Philip Smith Mountains quadrangle, proposed pipeline route	103	Antimony, New Mexico, Socorro County, distribution	137
Valdez quadrangle, proposed pipeline route	104	Apollo 9, infrared color photography, land use mapping	158
Wiseman and Chandalar quadrangles, proposed pipeline route	166	Apollo 14, Hycon photographs, preliminary study	152
geochemical data, Nabesna A-1 quadrangle	202	landing site, geologic investigations	274
Nabesna C-4 quadrangle	203	lunar-surface pictures	17
Nabesna C-5 quadrangle	204	review and analysis	191
Nabesna D-5 quadrangle	205	sample documentation	272
geochemical reconnaissance, McCarthy B-6 quadrangle	328	traverse map	297
geochemical sampling, Seward Peninsula, northern Darby Mountains	211	Apollo 15, landing site, geology and field petrology, preliminary report	305
geologic investigations, eastern St. Lawrence Island	82	landing site, relief map	304
geologic map, Anchorage B-6 quadrangle	70	samples, preliminary documentation	273
Eagle River-Birchwood area	248	surface operational maps	307
Livengood quadrangle	66	pictures, preliminary catalog	18
Mount Michelson quadrangle	237	Arabian Peninsula, tectonic map	57
geologic reconnaissance, Anchorage B-6 quadrangle	70	Arctic Mesozoic correlation chart	85
Anchorage B-7 quadrangle	71	Arizona, geologic map, Pima County, Empire Mountains area	106
geology, Cape Beaufort coal field	61	geologic map, Santa Cruz County, Lochiel quadrangle	262
Forrester Island National Wildlife Refuge	67	Santa Cruz County, Nogales quadrangle	263
geology and geochemistry, Sinuk River, Seward Peninsula	54	granodiorite rocks, Rose Canyon Lake area, weathering	179
gold mineralization, Fairbanks district, investigation	147	Arkansas, Dardanella Reservoir, thermal survey	270
gravity maps, Seward Peninsula and Yukon Flats	14	hydrologic data, Horseshoe Lake	177
ground-water exploration, Beaver Creek Valley	6	streamflow, quality	268
lake-level fluctuations, Kenai-Soldotna area	7	thermal springs, Hot Springs National Park	19
magnetic data, Chukchi Sea	125	water-resources investigations	266
metallic mineral resources map, Mount McKinley quadrangle	72		
Pennsylvanian carbonates, eastern Brooks Range, paleoecology and stratigraphy	9	B	
		Barite deposits, Alaska, Skagway B-4 quadrangle, analyses and geologic summary	195
		Base metal deposits, Alaska, Skagway B-4 quadrangle, analyses and geologic summary	195
		Bering Sea, northern, heavy minerals on continental shelf	310
		Beryllium, New Mexico, Socorro County, distribution	129
		New Mexico, Socorro and Sierra Counties, distribution	128
		Biological and microbiological investigations, selected procedures	265
		C	
		California, aeromagnetic map, San Francisco Bay region	294
		channel capacity, Fresno River downstream from Hidden Damsite, Madera County	41
		Madera County, reach of Chowchilla River	40
		Ash and Berenda Sloughs	40

California--Continued

floods from small drainage areas, peak-data compilation, 1958-70	313
fresh ground water, San Joaquin Valley	223
geologic map, Contra Costa, Alameda, and San Joaquin Counties, Mount Diablo-Byron area	53
Funeral Mountains, Inyo County, Ryan quadrangle	187
Inyo County, Amargosa Valley borate area	186
Los Angeles County, Malibu Beach quadrangle	335
Santa Clara County, Late Cenozoic deposits	150
Sonoma and Marin Counties	44
upper Mono Creek-Pine Mountain area	309
geologic maps, along San Andreas fault, vicinity of King City, Coalinga, Panoche Valley, and Paso Robles	87
geologic materials, San Francisco Bay region	246
geology, Santa Clara County, Sargent fault zone	196
ground water, Dos Palos-Kettleman City area, chemical quality	39
Orange County, electrical analog model	145
ground-water basin, upper Coachella Valley, analog model study	287
ground-water conditions, 1969, Vandenberg Air Force Base area	172
lakes, medium-sized, inventory	314
landslide and other surficial deposits, north-eastern San Jose, maps	217
landslides, San Francisco Bay region	231
marshland, San Francisco Bay, historic margins	216
mercury in surface sediments, San Francisco Bay estuary	192
San Andreas and related faults, Los Angeles, San Bernardino, and Riverside Counties	88
seismic ground response, San Francisco Bay region, digitized map	119
seismic profiles, Salton Sea	254
solar evaporation pond construction, San Bernardino County, Searles Lake	238
streamflow-data program, proposed	80
streams, Colorado Desert subregion, temperatures	45
minor elements	258
north coastal subregion, temperatures	46
Sacramento basin, temperatures	47
San Francisco Bay subregion, temperatures	48
subsidence, Bunker Hill-San Timoteo area	209
Los Angeles County, Raymond Basin	184
suspended-sand discharge, Sonoma County, Russian River	58
water, East Fork Kaweah River basin, quality and quantity	83
water chemistry, Santa Clara Valley	12
water-resources inventory, Antelope Valley-East Kern Water Agency area, 1969-70	229
water subsidence, Chino-Riverside and Bunker Hill-Yucaipa areas	183
Canada, Edmonton to Prudoe Bay, Alaska, environment	175
Capture gamma rays, linear combination reading program	277
Chile, digital model studies, Rio Aconcagua Valley	278
Chilean nitrates, composition, computer studies	138
Chromite, West Pakistan, Zhob Valley, Quetta Division, potential	242
Colorado, coal reserves, tabulation	178
geologic map, Eagle, Lake, Pitkin, and Summit Counties, Holy Cross quadrangle	286
Indian Hills quadrangle	59
Jackson County, Kings Canyon quadrangle	171
Jefferson and Clear Creek Counties, Bergen Park area	256
geologic reconnaissance, Archuleta County, Chris Mountain and Pagosa Springs quadrangles, map	142
Hinsdale and Archuleta Counties, Bear Mountain and Oakbrush Ridge quadrangles, map	141
La Plata County, Rules Hill and Ludwig Mountain quadrangles, map	143
ground-water reconnaissance, Rocky Mountain National Park	320
Shadow Mountain National Recreation area	320
induced polarization, preliminary results	159

Colorado--Continued

landslide deposits, Jefferson County, Green Mountain area	252
nahcolite, saline facies of Green River Formation	94
rainfall and runoff, Denver area	123
resistivity, Northgate district, preliminary results	159
resistivity sections, Arkansas River basin	337
streamflow-data program, evaluation	182
Stroebel Spring, El Paso County, test	157
water supply, Curecanti Recreation area	49
Colorado and Utah, base maps, Green River Formation, Uinta Basin	308
water-resources investigations, Dinosaur National Monument	271
Colombia, laterite deposits and phosphate investigations, progress report	65
Columbia River estuary, radionuclides, distribution in bottom sediments	121
Connecticut, Quaternary history, Broad Brook quadrangle, data	74
radar mosaic (APS-94D)	306
Still River Valley, glacial and drainage history	283
surficial materials, Broad Brook quadrangle, data	74
Connecticut-Massachusetts, geologic map, Hampden quadrangle	75
surficial deposits, Hampden quadrangle, analytical data	73

D

Delaware, exploratory well, near Greenwood, geologic and hydrologic data	167
--	-----

F

Florida, chemical and biological characteristics, Upper St. Johns River basin	124
draining Lake Apopka, hydrologic considerations	8
hydrologic conditions, Dade County, 1969	155
Polk County, Lakeland Ridge area, preliminary evaluation	241
hydrologic records, Volusia County, 1970-71	181
hydrobiological characteristics, Shark River estuary, Everglades National Park	199
remote sensing, investigation of vacant land	98
streamflow-data program, proposed	230
water and sewerage plans, Dade County, hydrologic effects	207
water quality, Cottonmouth Camp-Everglades National Park, November 1969	200
Dade-Collier Training and Transition Airport, November 1969	200
Miami International Airport, November 1969	200
Flow meter, open-channel integrating-type	173
Flumes, laboratory, designing aids	327

G

Georgia, fluvial sediment, North Fork Broad River, subwatershed No. 14	107
geology and water supply, Gordon, Whitfield, and Murray Counties	79
Gold, New Mexico, Socorro County, distribution	134
Gravity, vertical gradient in vertical and near-vertical boreholes	42
Gulf of Maine, western sedimentary framework	220

H

Hawaii, floods, through September 30, 1970	97
Heavy minerals, Alaska, near Nome, Pleistocene and Holocene sediments	257
continental shelf, northern Bering Sea	310

I

Idaho, aeromagnetic map, Custer Elevenmile Creek, Sunbeam, Thompson Creek, and Clayton quadrangles	292
aeromagnetic map, Doublespring quadrangles	291
Patterson and Leodore quadrangles	293

Report

Report

Idaho—Continued

geohydrologic sections, Cache Valley	193
geologic map, Boundary County, Hall Mountain area	267
aeromagnetic map, southwestern part	290
water quality, Snake Plain aquifer	93
Illinois, floods, Arlington Heights quadrangle	3
floods, Harvard Northeast quadrangle	4
Harvard Southwest quadrangle	214
Indiana, sediment investigations, progress report	160
Indonesia, central Java, geothermal energy, Dieng Mountains, geochemical evaluation	213
Dieng geochemical area, initial investigations	285
Infrared and color imagery, computer analysis of geographic phenomena	38
Infrared color photography, Apollo 9, land use mapping	158
Douglas County, crop identification	260
Infrared ektachrome, enhancement techniques, TR 69-6, 69-6A	99
Infrared imagery, thermal study of Missouri River, North Dakota	81

K

Kentucky, dolomite occurrences and structural features, Clark and Madison Counties, Winchester quadrangle	43
palynological investigations, Pennsylvanian, VI	174

L

Land use interpretation, TR 69-5	218
Lanthanum, New Mexico, Socorro County, distribution	130
Lead, New Mexico, Socorro and Sierra Counties, distribution	131
New Mexico, Socorro County, distribution	132
Lead isotope geochemistry, 1967-69, reference list	89
Liberia, aeromagnetic map, Bopolu quadrangle	20
aeromagnetic map, Buchanan quadrangle	21
Gbanka quadrangle	22
Harper quadrangle	23
Juarzoa quadrangle	330
Monrovia quadrangle	24
Sanokole quadrangle	25
Voinjama quadrangle	26
Zorzor quadrangle	27
Zwedru quadrangle	331
Bouguer anomaly map, Monrovia quadrangle	28
gamma radiation map, Bopolu quadrangle	29
Buchanan quadrangle	30
Gbanka quadrangle	31
Harper quadrangle	32
Juazohn quadrangle	33
Monrovia quadrangle	34
Sanokole quadrangle	35
Voinjama quadrangle	36
Zorzor quadrangle	37
Zwedru quadrangle	332
Louisiana, stream contaminants, Mississippi River below Baton Rouge, time measurements	96
streamflow-data program, proposed	77
Lunar-surface pictures, Apollo 14	17

M

Maryland, analog model study, Magothy aquifer test well, near Chestertown, geologic and hydrologic data	194
waste transport, Muddy Creek-Rhode River estuary, tracer simulation	168
Massachusetts, southeastern offshore area, sedimentary framework	336
water supply, Auburn, salt contamination	220
Massachusetts-Connecticut, geologic map, Hampden quadrangle	227
surficial deposits, Hampden quadrangle, analytical data	75
surficial deposits, Hampden quadrangle, analytical data	73
Michigan, geologic map, Greenwood quadrangle	73
geologic map, Marquette County, Ishpeming quadrangle	62
Negaunee Southwest quadrangle	259
Republic quadrangle	69
	63

Michigan—Continued

Jacobsville sandstone, Ontonagon County, Rockland and Greenland quadrangles, erosion surface	324
Keweenaw geology, Isle Royale	154
Mineral prospecting techniques, geochemical, botanical, geophysical, and remote sensing, tropical areas	90
Minnesota, stream-flood investigations	139
water resources, Red River	197
Mississippi, ground-water program	64
surface water, Pat Harrison Waterway District, quality	255
Missouri, flood-frequency estimates for urban areas	116
floods, St. Louis County, Coldwater Creek, Watkins Creek, and River Des Peres basins	146
Molybdenum, New Mexico, Socorro County, distribution	133
Montana, aeromagnetic map, Stillwater complex	295
discharges from small drainage areas	161
geologic map, Gallatin and Park Counties, Sedan quadrangle	264
geophysical surveys, Powell and Lewis and Clark Counties, Lincoln Back Country area	212
mineral resources, Powell and Lewis and Clark Counties, Lincoln Back Country area	212
Moon, Apollo 9, infrared color photography, land use mapping	158
Apollo 14, Hycon photographs, preliminary study	152
landing site, geologic investigations	274
lunar-surface pictures	17
review and analysis	191
sample documentation	272, 273
traverse map	297
Apollo 15, landing site, geology and field petrology, preliminary report	305
landing site, relief map	304
samples, preliminary documentation	273
surface operational maps	307
pictures, preliminary catalog	18
Fra Mauro landing site, traverse map	219
geologic map, Schickard quadrangle	169
near side, geologic provinces	189
two former faces	326

N

Nebraska, streamflow, Shell Creek, Elkhorn River, and Salt Creek basins	253
Nevada, geochemical data, Esmeralda County, Sixteen-to-One mine	11
geologic map, Esmeralda and Nye Counties, Goldfield mining district	10
Lander County, Battle Mountain mining district	282
Tenabo area	334
New Hampshire, deglaciation events, Manchester South 7.5' quadrangle	269
New Jersey, floods, Crosswicks Creek, extent and frequency	113
New Jersey-Pennsylvania, geology, Stroudsburg quadrangle	95
New Mexico, distribution of beryllium, lanthanum and silver, lead, molybdenum, niobium and gold, strontium, tin, zinc and antimony, Socorro County	129, 130, 132-137
distribution of beryllium and lead, Socorro and Sierra Counties	128, 131
drilling and testing, well 69, McKinley County	206
flood-frequency relations	251
geologic map, McKinley County, Continental Divide quadrangle	126
microclimate, Carlsbad Caverns	198
Morrison Formation, stratigraphy	245
Pecos River, depletions, losses, and gains	236
south-central, aeromagnetic map	288
Triassic fauna and flora, bibliography	333
water level in shallow aquifer, Chaves and Eddy Counties, Roswell basin, map	321
water-resources, White Sands Missile Range, annual review	15
water supply during STARMET test, investigation	16

	Report
New York, floodflow characteristics, Poultney River, near Hampton	151
Niobium, New Mexico, Socorro County, distribution	134
North Carolina, sedimentation, Third Creek Subwatershed No. 7A	235
streamflow-data program, proposed	122
North Dakota, geologic map, Morton County, Dengate quadrangle	13
thermal study of Missouri River by infrared imagery	81

O

Ohio, low-flow study, southwest streams	316
Oregon, coastal terraces, Coos and Curry Counties, erosion and soil formation	156
gaging stations, October 1952-September 1970, data compilation	114
mineral resources, near Eagle Cap Wilderness	319
streamflow, Washington County, Tualatin River basin	275

P

Pennsylvania, Bald Eagle Creek and West Branch Susquehanna River, Clinton County, acidity control	108
chemical and biological conditions, Bald Eagle Creek	109
Foster Joseph Sayers Reservoir, trophic characteristics	109
sediment yield, near Harrisbury, construction effects	234
Pennsylvania-New Jersey, geology, Stroudsburg quadrangle	95
Photography, space, identification of transportation routes	261
Precipitation, radiochemical analyses	312
Project Rulison	312
Project Wagon Wheel, Wyoming, Sublette County, water well No. 1, hydraulic tests	311
Puerto Rico, copper-mine tailings, Rio Tanama basin	163
geologic map	78
hornblende-plagioclase intrusives, Ponce quadrangle	176
metalogenic map	78
water, Guayama area, electric analog model study	86
Rio Tanama basin	163
Yabucoa Valley, electrical analog model study, phase 1	5
water records, 1964-67	239

R

Radar mosaic (APS-94D), Connecticut and Rhode Island	306
Radiation emission, terrestrial, mapping with RS-14 scanner	225
Radiochemical analyses of water	312
Radionuclide content, Columbia River sediments	153
Rhode Island, radar mosaic (APS-94D)	306

S

Saudi Arabia, geochemical maps, Samrah and vicinity	281
meteorite fall, near Sakakah	127
mineral investigations, Najd quadrangle, recommendations	323
molybdenite, Al Kushaymiyah	280
Silver, New Mexico, Socorro County, distribution	130
Silver deposits, Alaska Skagway B-4 quadrangle, analyses and geologic summary	195
South Dakota, artesian wells, northern Black Hills, head fluctuations	1
glacial outwash aquifer between Sioux Falls and Dell Rapids	228
Springs, radiochemical analyses	312
Streams, radiochemical analyses	312
Strontium, New Mexico, Socorro County, distribution	135

T

Taiwan, monazite	221
Tellico test site, land use map	329

Tennessee, streams, peak stages and discharges	325
Texas, hydrologic data, Austin, urban studies	240
hydrologic data, Brazos River basin, Green Creek	301
Calaveras Creek, San Antonio River basin	2
Colorado River basin, Deep Creek	148
Cow Bayou, annual compilation	243
Deep Creek, Colorado River basin	300
Elm Fork Trinity River, annual compilation	244
Escondido Creek, San Antonio River basin	232
Fort Worth, urban studies	84
Green Creek, Brazos River basin	201
Mountain Creek, Trinity River basin	60
Mukewater Creek, Colorado River basin	149
North Creek, Trinity River basin	170
Pin Oak Creek, Trinity River basin	303
San Antonio River basin, Calaveras Creek	299
Trinity River basin, Honey Creek	302
Pin Oak Creek	144
hydrology, urban, data compilation	162
stream floods and discharges	249
streamflow-data program, proposed	120
surface water stations, October 1971	315
Tin, New Mexico, Socorro County, distribution	136

U

United States, southeastern, fluvial monazite deposits	222
U.S. and U.S.S.R., nuclear explosion sites, environments	279
Utah, geohydrologic sections, Cache Valley	193
infrared imagery and color photography, geologic evaluation	140
streamflow-data program, proposed	322
U.S. Geological Survey Central Laboratory	188
west-central, aeromagnetic map	289
Utah and Colorado, base maps, Green River Formation, Uinta Basin	308
water-resources investigations, Dinosaur National Monument	271

V

Virginia, flood frequency, small streams	208
Virgin Islands, U.S., geology of insular shelf, south of St. Thomas and St. John	117

W

Washington, ground water, near Bel Bay development, Lummi Indian Reservation	296
microearthquake activity, Wooded Island, Hanford region	226
radioactive waste storage, Hanford Reservation, hydrologic factors	180
stream-sediment transport, Snohomish River basin	215
Water, polluted, separation and identification of phenolic compounds	100
Wells, radiochemical analyses	312
West Pakistan, geology and chromite potential, Zhob Valley, Quetta Division	242
Wisconsin, airborne VLF surveys	115
floods, magnitude and frequency	76
glacial deposits, thickness	52
hydrology, Hulbert Creek	118
Precambrian geology, 1778-1968, bibliography	92
well yields, from bedrock	50
from glacial deposits	51
Wyoming, geologic map, Lincoln, Sublette, and Teton Counties, Clause Peak quadrangle	250
geologic map, Teton County, Mount Bannan quadrangle	233
hydraulic tests, water well No. 1, Sublette County, Project Wagon Wheel	311
southeastern, water, chemical quality	298
time-of-travel measurements, Wind/Bighorn River	185

Z

Zinc, New Mexico, Socorro County, distribution	137
--	-----