

GEOLOGICAL SURVEY CIRCULAR 648



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





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

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**United States Department of the Interior**

**ROGERS C. B. MORTON, *Secretary***



**Geological Survey**

**V. E. McKelvey, *Director***

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### 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.)
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  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.)
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  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.)
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  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.)
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