

GEOLOGICAL SURVEY CIRCULAR 473



REPORTS AND MAPS OF THE
GEOLOGICAL SURVEY RELEASED
ONLY IN THE OPEN FILES, 1962

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By Betsy A. Weld, Erwin S. Asselstine, and Arthur Johnson

United States Department of the Interior
STEWART L. UDALL, SECRETARY



Geological Survey
THOMAS B. NOLAN, DIRECTOR



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INTRODUCTION

This circular contains a list of the maps and reports released by the Geological Survey in 1962 that are available in open files. They may be consulted at the offices listed beneath each report.

The following circulars list open-file reports and maps released during the years indicated: 56 (1946-47), 64 (1948), 149 (1949-50), 227 (1951), 263 (1952), 337 (1953), 364 (1954), 379 (1955), 401 (1956), 403 (1957), 412 (1958), 428 (1959), 448 (1960), and 463 (1961).

The Conservation Division has placed 2 reports in open file: 1 on glacier observations in Montana and 1 on bituminous sandstone deposits in Utah.

The reports and maps of the Geologic Division contain results of work accomplished by Survey geologists and geophysicists in the United States, Brazil, and Puerto Rico. These maps and reports are released in preliminary form in order to make information immediately available to persons concerned with exploration for and production of minerals, fuels, and construction materials.

The reports of the Water Resources Division contain information on streamflow, ground, water, quality of water, and related geology and hydrology in the United States.

The reports are arranged alphabetically by authors, and each one is preceded by a serial number. In the general index following this list of reports, the serial number is used to identify the report.

Where Open-file Reports May Be Consulted

Most open-file reports may be consulted at the Geological Survey Libraries and offices listed below, as well as at appropriate depositories selected for the individual reports. Depositories listed below are indicated for individual reports by letters, as follows:

- Wa Geological Survey Library, room 1033 General Services Administration Building, 18th and F Streets NW, Washington, D. C.
- Wb Room 1242-C General Services Administration Building.
- Da Geological Survey Library, Building 25, Federal Center, Denver, Colo.
- Db Public Inquiries Office, Room 468 New Custom House, Denver, Colo.
- M Geological Survey Library, 345 Middlefield Road, Menlo Park, Calif.
- A Public Inquiries Office, 503 Cordova Building, Anchorage, Alaska.
- LA Public Inquiries Office, 1031 Bartlett Building, 215 W. 7th Street, Los Angeles, Calif.
- S Public Inquiries Office, South 157 Howard Street, Spokane, Wash.
- SF Public Inquiries Office, 232 Appraisers Building, San Francisco, Calif.
- T Public Inquiries Office, 602 Thomas Building, 1314 Wood Street, Dallas, Tex.
- U Public Inquiries Office, 437 Federal Building, Salt Lake City, Utah.

MAPS AND BOOK REPORTS

1. Anderson, C. A., and Blacet, P. M., Preliminary geologic map of the NE 1/4 Mount Union quadrangle, Yavapai County, Arizona: 1 map. Dec. 21, 1962. (Wa, Da, M; Arizona Bureau of Mines, Univ. of Arizona, Tucson, Ariz.)
2. Andreasen, G. E., and Petrafeso, Frank, Aeromagnetic map of the Llano Uplift, Mason-Burnet area, central Texas: 1 map. May 10, 1962. (Wa, Da, M, T; Bureau of Economic Geology, Univ. of Texas, Austin, Texas.)
3. Andreasen, G. E., and Petrafeso, Frank, Aeromagnetic map of Georgetown and vicinity, east central Texas: 1 map. May 10, 1962. (Wa, Da, M, T; Bureau of Economic Geology, Univ. of Texas, Austin, Texas.)
4. Andreasen, G. E., and Pitkin, J. A., Aeromagnetic maps of the Twin Buttes area, Pima and Santa Cruz Counties, Arizona, flown at 500 feet above ground and flown at 4,000 feet barometric elevation: 2 maps. May 10, 1962. (Wa, Da, Db, M, LA, SF, U; Arizona Bureau of Mines, Univ. of Arizona, Tucson, Ariz.)
5. Baltz, E. H., Jr., Stratigraphy and geologic structure of uppermost Cretaceous and Tertiary rocks of the east-central part of the San Juan Basin, New Mexico: 278 p., 24 figs. July 6, 1962. (Wb and Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.)
6. Baltz, E. H., and West, S. W., Geology and ground-water resources of the southern part of the Jicarilla Apache Indian Reservation and adjacent region to the south and east, New Mexico: 296 p., 11 figs. July 25, 1962. (Wb and Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.)
7. Beikman, Helen M., Geology of the Powder River Basin, Wyoming and Montana, with reference to subsurface disposal of radioactive wastes: 85 p., 18 figs. Nov. 2, 1962. (Wa, Da, Db, M, U; Room 201, 1 North 7th St., West, Billings, Mont.; Geol. Survey of Wyoming, Geology Hall, Univ. of Wyoming, Laramie, Wyo.)
8. Boerngen, J. G., Table of common logarithms and their squares: 3 p., plus 22-p. table. Jan. 24, 1962. (Wa, Da, and M.)
9. Brabb, Earl, Preliminary geologic map of part of the Charley River quadrangle, east central Alaska: 1 map. June 8, 1962. (Wa, Da, Db, M, A, LA, S, SF, T; Brooks Memorial Bldg., College, Alaska; Room 311, Fifth Street School Bldg., Juneau, Alaska; State Div. of Mines and Minerals, State Capitol Bldg., Juneau, Alaska.)
10. Bradley, Edward, Relation of surface and ground water in the Souris River Valley near Minot, North Dakota: 12 p., 1 fig. Dec. 13, 1962. (Wb and Box LL, University Station, Grand Forks, North Dakota.)
11. Bromery, R. W., Preliminary interpretation of an aeromagnetic map of the Albany-Newport area, Oregon: 1 map. Feb. 28, 1962. (Wa, Da, M, LA, S, SF; State Dept. of Geology and Mineral Industries, Room 1069, State Office Bldg., Portland, Oreg.)
12. Bromfield, C. S., Geology of the Wilson Peak stock, San Miguel Mountains, Colorado: 154 p., 1 pl., 37 figs. Aug. 8, 1962. (Wa.)
13. Broom, M. E., Sources of potable water supplies for the U. S. National Park Service Recreation area, Crawford Dam and Reservoir Site, Delta County, Colorado: 15 p., 5 figs. Dec. 11, 1962. (Da and Wb.)
14. Brosgé, W. P., and Reiser, H. N., Geologic map of the Chandalar quadrangle, Alaska: 1 map and section. June 8, 1962. (Wa, Da, Db, M, A, LA, S, SF, T; Brooks Memorial Bldg., College, Alaska; Room 311, Fifth Street School Bldg., Juneau, Alaska; State Div. of Mines and Minerals, State Capitol Bldg., Juneau, Alaska.)
15. Brosgé, W. P., and Reiser, H. N., Preliminary geologic map of the Christian quadrangle, Alaska: 1 map. Apr. 17, 1962. (Wa, Da, Db, M, A, LA, S, SF, T; Brooks Memorial Bldg., College, Alaska; Room 311, Fifth Street School Bldg., Juneau, Alaska; State Div. of Mines and Minerals, State Capitol Bldg., Juneau, Alaska.)
16. Brosgé, W. P., and Whittington, C. L., Preliminary geologic map of the Umiat-Maybe Creek region, Alaska: 1 map (3 sheets). Aug. 20, 1962. (Wa, Da, Db, M, A, LA, S, SF, T; Brooks Memorial Bldg., College, Alaska; Room 311, Fifth Street School Bldg., Juneau, Alaska; State Dept. of Mines and Minerals, State Capitol Bldg., Juneau, Alaska.)
17. Bull, W. B., Land subsidence due to artesian-head decline, 1943-59, Los Banos-

- Kettleman City area, California: 1 map. Nov. 30, 1962. (Wb and Room 8024, Federal Bldg. and U. S. Court House, 650 Capitol Ave., Sacramento, Calif.)
18. Bull, W. B., Minimum elevation of the piezometric surface of the lower water-bearing zone as of 1960, Los Banos-Kettleman City area, California: 1 map. Nov. 30, 1962. (Wb and Room 8024, Federal Bldg. and U. S. Court House, 650 Capitol Ave., Sacramento, Calif.)
 19. Bunch, C. M., and Price, McGlone, Floods in Georgia, magnitude and frequency: 152 p., 16 figs. 1 map. Oct. 15, 1962. (Wa and Room 164, Peachtree-Seventh Bldg., Atlanta, Ga.)
 20. Bunker, C. M., and Bradley, W. A., Gamma radioactivity investigations related to waste disposal, Jackass Flats, Nevada Test Site: 19 p., 7 figs., 2 tables. Nov. 19, 1962. (Wa, Da, Db, M, LA, SF, U; Library, Mackay School of Mines, Univ. of Nevada, Reno, Nev.; Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.; Mercury, Nev.)
 21. Bunker, C. M., and Shutler, M. D., Gamma-radioactivity investigations at the Nevada Test Site, Nye County, Nevada (Interim report, February 1960 to July 1961): 62 p., 11 figs., 21 tables. Dec. 7, 1962. (Wa, Da, Db, M, LA, U; Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.; Mercury, Nev.; Library, Mackay School of Mines, Univ. of Nevada, Reno, Nev.)
 22. Butler, R. G., Semiannual report of water levels in selected observation wells in Utah, April 1962: 1 p., 5 figs. Mar. 30, 1962. (Wb and Room 125, Empire Bldg., 231 East 4th St., S., Salt Lake City, Utah.)
 23. Byers, F. M., Jr., Porosity, density, and water content data on tuff of the Oak Spring Formation from the U12e tunnel system, Nevada Test Site, Nye County, Nevada: 27 p., 10 figs., 12 tables. June 8, 1962. (Wa, Da, M, LA, SF, U; Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.; Mercury, Nev.; Library, Mackay School of Mines, Univ. of Nevada, Reno, Nev.)
 24. Caldwell, D. W., Description, composition, and tenor of unconsolidated sediments in monazite-bearing tributaries to the Savannah and Saluda Rivers in the western Piedmont of South Carolina: 19 p., 2 figs., 15 tables. June 15, 1962. (Wa, Da, and M.)
 25. Cannon, Helen, Biogeochemistry of vanadium: 19 p., 4 figs., 7 tables. Aug. 24, 1962. (Wa, Da, Db, M, SF, U; Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.; U.S. Atomic Energy Commission, Grand Junction, Colo.)
 26. Carpenter, Carl H., and Young, Richard A., Records of selected wells and springs, chemical analyses of ground water, water-level measurements of selected wells, selected drillers' logs of wells, and logs of test holes, Central Sevier Valley, Sanpete, Sevier, and Piute Counties, Utah: 29 p., 2 figs. Dec. 20, 1962. (Wb and Room 125, Empire Bldg., 231 East 4th South, Salt Lake City, Utah.)
 27. Carroll, Dorothy, Soils and rocks of the Oak Ridge area, Tennessee: 33 p., 3 figs., 6 tables. Oct. 19, 1962. (Wa, Da, M; Room 11, Post Office Bldg., Knoxville, Tenn.)
 28. Colton, G. W., Geologic summary of the Appalachian Basin, with reference to the subsurface disposal of radioactive waste solutions: 121 p., 29 figs. Apr. 17, 1962. (Wa, Da, Db, M, LA, S, SF, T, U; Room 11, Post Office Bldg., Knoxville, Tenn.; Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.; State Geological Survey Div., Dept. of Conservation, Lansing, Mich.)
 29. Cooper, J. B., Ground-water investigations of the Project Gnome area, Eddy and Lea Counties, New Mexico: 67 p., 15 figs. Apr. 20, 1962. (Wa, Wb, Da, M, LA, SF, U; Mackay School of Mines Library, Univ. of Nevada, Reno, Nev.; Mercury, Nev.; Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.)
 30. Cooper, J. B., Road log from Carlsbad, New Mexico, to Project Gnome site: 10 p., 3 figs. Jan. 15, 1962. (Wb and Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.)
 31. Cooper, J. B., Test holes drilled in support of ground-water investigations, Project Gnome, Eddy County, New Mexico: 116 p., 12 figs. Mar. 8, 1962. (Wa, Wb, Da, M, LA, SF, U; Mackay School of Mines Library, Univ. of Nevada, Reno, Nev.; Mercury, Nev.; Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.)
 32. Cordova, R. M., Well records, depth-to-water measurements and logs of selected wells and test holes, and chemical analyses of ground water in the Arkansas Valley region, Arkansas: 233 p., 5 figs. May 4,

1962. (Wb and Room 2301, Federal Office Bldg., 700 W. Capitol Ave., Little Rock, Ark.)
33. Crosthwaite, E. G., Ground-water reconnaissance in Round Valley, Custer County, Idaho: 25 p., 1 fig. Sept. 14, 1962. (Wb and Room 205, 914 Jefferson St., Boise, Idaho.)
 34. Crosthwaite, E. G., Ground-water reconnaissance of the Sailor Creek area, Owyhee, Elmore, and Twin Falls Counties, Idaho: 59 p., 2 figs. Oct. 18, 1962. (Wb and Room 205, 914 Jefferson St., Boise, Idaho.)
 35. Cuppels, N. P., Description, composition, and tenor of unconsolidated sediments in monazite-bearing tributaries to the Enoree, Tyger, and Pacolet Rivers in the western Piedmont of South Carolina: 17 p., 2 figs., 10 tables. Aug. 8, 1962. (Wa, Da, and M.)
 36. Davis, R. E., Williams, W. P., Johnson, R. B., and Emerick, W. L., Preliminary results of a survey for thick high-calcium limestone deposits in the United States, with a section on Possible Alaskan sites for nuclear reaction experiment in limestone, by C. D. Eberlein: 45 p., 2 figs., 3 tables. Mar. 26, 1962. (Wa, Da, M, M (Alaskan Branch), A, LA, SF, T, U; Mercury, Nev.; Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.; Library, Mackay School of Mines, Univ. of Nevada, Reno, Nev.; Brooks Memorial Bldg., College, Alaska; Room 311, Fifth Street School Bldg., Juneau, Alaska; State Div. of Mines and Minerals, State-Capitol Bldg., Juneau, Alaska.)
 37. Dickey, D. D., and Emerick, W. L., Interim geological investigations in the U12b.09 and U12b.07 tunnels, Nevada Test Site, Nye County, Nevada, with a section on Gamma-radioactivity, by C. M. Bunker: 21 p., 9 figs., 1 table. Sept. 12, 1962. (Wa, Da, Db, M, LA, SF, U; Library, Mackay School of Mines, Univ. of Nevada, Reno, Nev.; Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.; Mercury, Nev.)
 38. Donnell, J. R., Geology and coal resources of the Carbondale area, Garfield, Pitkin and Gunnison Counties, Colorado: 1 map, 1 table. July 23, 1962. (Wa, Da, Db, M, and U.)
 39. Emerick, W. L., and Bunker, C. M., Interim geological investigations in the U12e.06 tunnel, Nevada Test Site, Nye County, Nevada: 42 p., 4 figs., 4 tables. Jan. 24, 1962. (Wa, Da, M, LA, SF, U; Mercury, Nev.; Library, Mackay School of Mines, Univ. of Nevada, Reno, Nev.; Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.)
 40. Emerick, W. L., and Dickey, D. D., Interim geological investigations in the U12e.03a and U12e.03b tunnels, Nevada Test Site, Nye County, Nevada, with a section on Gamma-radioactivity by C. M. Bunker: 29 p., 6 figs., 5 tables. Mar. 26, 1962. (Wa, Da, M, LA, SF, U; Mercury, Nev.; Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.; Library, Mackay School of Mines, Univ. of Nevada, Reno, Nev.)
 41. Emerick, W. L., Dickey, D. D., and McKeown, F. A., Interim geological investigations in the U12e.04 tunnel, Nevada Test Site, Nye County, Nevada: 27 p., 4 figs., 5 tables. Aug. 24, 1962. (Wa, Da, Db, M, LA, SF, U; Library, Mackay School of Mines, Univ. of Nevada, Reno, Nev.; Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.; Mercury, Nev.)
 42. Emerick, W. L., and Houser, F. N., Interim geological investigations in the U12b.08 tunnel, Nevada Test Site, Nye County, Nevada: 23 p., 3 figs., 5 tables. July 23, 1962. (Wa, Da, M, LA, SF, U; Mercury, Nev.; Library, Mackay School of Mines, Univ. of Nevada, Reno, Nev.; Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.)
 43. Engel, A. E. J., Precambrian geology and talc deposits of the Balmat-Edwards district, northwest Adirondack Mountains, New York: 357 p., 31 pl., 22 figs., 33 tables. June 15, 1962. (Wa and Gouverneur Library, Gouverneur, N. Y.)
 44. Evenson, R. E., Ground-water conditions, U. S. Naval Missile Facility, Point Arguello, California, June 1961-June 1962: 22 p., 4 figs. Oct. 5, 1962. (Wb and Room 8024, Federal Bldg. and U. S. Court House, 650 Capitol Ave., Sacramento, Calif.; 121 W. de La Guerra St., Santa Barbara, Calif.)
 45. Evenson, R. E., Wilson, H. B., Jr., and Muir, K. S., Yield of the Carpinteria and Goleta ground-water basins, Santa Barbara County, California, 1941-58: 137 p., 19 figs. Oct. 10, 1962. (Wb and Room 8024, Federal Bldg. and U. S. Court House, 650

- Capitol Ave., Sacramento, Calif.; 121 W. de La Guerra St., Santa Barbara, Calif.)
46. Feth, J. H., Empirical studies of water from monolithologic terranes: 39 p., 9 figs. May 18, 1962. (Wb and M.)
 47. Forrest, W. E., and Speer, P. R., Floods in North Carolina, magnitude and frequency: 195 p., 1 map, 4 figs. March 7, 1962. (Wa and 4th Floor, Federal Bldg., Raleigh, N. Car.)
 48. Fritts, C. E., Bedrock geology of the Mount Carmel and Southington quadrangles, Connecticut: 161 p., plus 52 p. appendix of photos and photomicrographs, 29 pl., 2 figs., 8 tables. June 15, 1962. (Wa.)
 49. Gallagher, David, Klepper, M. R., Overstreet, W. C., and Sample, R. D., Mineral resources of Korea: 2057 p., 1 fig. June 14, 1962. (Wa and M.)
 50. Garber, M. S., and Thordarson, William, Ground water test well C, Nevada Test Site, Nye County, Nevada: 74 p., 5 figs. May 14, 1962. (Wa, Wb, Da, M, LA, SF, U; Mackay School of Mines Library, Univ. of Nevada, Reno, Nev.; Mercury, Nev.; Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.)
 51. Geologic Division, Location of geologic field projects, Geologic Division, as of March 1, 1962; Sheet 1, Conterminous United States and Puerto Rico: 1 map. Oct. 19, 1962. (Wa, Da, Db, M, A, LA, S, SF, T, U; 469 Southland Drive, Lexington, Ky.; Room 11, Post Office Bldg., Knoxville, Tenn.; Room 213, Science Hall, Univ. of Wisconsin, Madison, Wis.)
 52. Goudarzi, G. H., A geologic report on the iron deposit of the Shatti Valley area of the Fezzan Province, Libya: 77 p., 38 pl., 10 figs., 3 tables. Aug. 8, 1962. (Wa.)
 53. Goudarzi, G. H., Idri salt deposits, Fezzan Province, Libya: 36 p., 5 pl., 7 figs., 19 tables. Aug. 8, 1962. (Wa.)
 54. Goudarzi, G. H., Pisida salt deposit, Libya: 27 p., 2 pl., 6 tables. Aug. 15, 1962. (Wa.)
 55. Goudarzi, G. H., Report on Marada, Pisida, Idri and Taurga salt deposits in Libya: 31 p., 11 pl. Aug. 8, 1962. (Wa.)
 56. Griffin, M. S., and Clark, E. N., Bibliography of technical reports, articles, and memoranda published or otherwise released by the Ground Water Branch during the calendar year 1961: 39 p. March 1, 1962. (Wb.)
 57. Gualtieri, J. L., Exploration of the Jefren gypsum-anhydrite deposit, Tripolitania, Libya: 65 p., 11 pl., 3 figs. Aug. 8, 1962. (Wa.)
 58. Healy, D. L., and Miller, C. H., Gravity survey of the Nevada Test Site and vicinity, Nye, Lincoln, and Clark Counties, Nevada--interim report: 34 p., 8 figs., 1 table. Dec. 18, 1962. (Wa, Da, Db, M, LA, SF, U; Library, Mackay School of Mines, Univ. of Nevada, Reno, Nev.; Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.; Mercury, Nev.)
 59. Hendrickson, G. E., Suggestions for the development of the ground-water resources of St. Croix, Virgin Islands: 83 p., 1 fig. June 21, 1962. (Wb and 1209 Avenida Fernandez Juncos, Santurce, Puerto Rico.)
 60. Hinrichs, E. N., and Gibbons, A. B., Geology of the Whiterock Springs quadrangle, Nye County, Nevada: 1 map and explanation, 1 cross-section, Jan. 24, 1962. (Wa, Da, M, LA, SF, U; Mercury, Nev.; Library, Mackay School of Mines, Univ. of Nevada, Reno, Nev.; Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.)
 61. Hinrichs, E. N., and McKay, E. J., Geologic map of the Plutonium Valley quadrangle, Nye and Lincoln Counties, Nevada: map and explanation. Dec. 18, 1962. (Wa, Da, Db, M, LA, SF, U; Library, Mackay School of Mines, Univ. of Nevada, Reno, Nev.; Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.; Mercury, Nev.)
 62. Hoare, J. M. and Condon, W. H., Preliminary map of geology of part of the lower Yukon-Norton Sound region, Alaska: 1 map and explanation. June 8, 1962. (Wa, Da, Db, M, A, LA, S, SF, T; Brooks Memorial Bldg., College, Alaska; Room 311, Fifth Street School Bldg., Juneau, Alaska; State Div. of Mines and Minerals, State Capitol Bldg., Juneau, Alaska.)
 63. Hood, J. W., and Herrick, E. H., Water resources of the Three Rivers area, Otero and Lincoln Counties, New Mexico: 125 p., 23 figs. July 27, 1962. (Wb and Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.)
 64. Houser, F. N., Outline of geology of the U12k and U12k.01 tunnels, area 12, Nevada Test Site: 36 p., 1 fig. June 8, 1962. (Wa, Da, M, LA, SF, U; Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N.

- Mex.; Mercury, Nev.; Library, Mackay School of Mines, Univ. of Nevada, Reno, Nev.)
65. James, H. L., and Wier, K. L., Geologic map of iron deposits near Copper Mountain, Madison County, Montana, and Magnetic and geologic map of iron deposits near Copper Mountain, Madison County, Montana: 2 maps. Aug. 24, 1962. (Wa, Da, Db, M, S, U; Montana Bureau of Mines and Geology, Montana School of Mines, Butte, Mont.)
 66. Joerns, J. O., Investigation of sources of natural pollution, Wichita River basin above Lake Kemp, Texas, 1951-57: 16 p., 1 fig. Dec. 31, 1962. (Wa, Da; 807 Brazos St., Vaughn Bldg., Austin, Tex.; 2936 South Pecan St., Fort Worth, Tex.; Room 201, Federal Land Bldg., 430 Lamar, Houston, Tex.; 1602 West Beauregard St., San Angelo, Tex.; Room 318-319, Federal Bldg., Wichita, Falls, Tex.)
 67. Joesting, H. R., Case, J. E., and Plouff, Donald, Regional gravity survey of the Moab-Needles area, Grand, San Juan, Emery, Garfield, and Wayne Counties, Utah: 15 p., 1 fig. Oct. 19, 1962. (Wa, Da, Db, M, U; Office of the Director, Utah Geological and Mineralogical Survey, Room 103, Civil Engineering Bldg., Univ. of Utah, Salt Lake City, Utah.)
 68. Johnson, A. M. F., and Randolph, W. J., Floods on Chattanooga Creek, Chattanooga, Tenn.: 46 p., 12 figs. Nov. 23, 1962. (Wa and 823 Edney Bldg., Chattanooga, Tenn.)
 69. Johnson, Arthur, Glacier observations, Glacier National Park, Montana, 1961: 16 p., 3 figs., 6 tables. Apr. 16, 1962. (Wa, S, U; 244 Federal Bldg., Tacoma 2, Washington; 409 Federal Bldg., Helena, Mont. Also, National Park Service: 307 Federal Office Bldg., Omaha 2, Nebr.; and Glacier National Park, West Glacier, Mont.)
 70. Kaye, C. A., Shore-erosion study of the coasts of Georgia and northwest Florida: 74 p., 2 pl., 13 figs. Oct. 5, 1962. (Wa.)
 71. Keech, C. F., Relation of ground-water withdrawals to the water supplies in Nebraska: 14 p. Mar. 26, 1962. (Wb and Room 125, Nebraska Hall, 901 N. 17th St., Lincoln, Nebraska.)
 72. King, P. B., Geologic and topographic maps of Marble Canyon-Mine Canyon area, Sierra Diablo, Culberson County, Texas: 2 maps. May 10, 1962. (Wa, Da, M, and T.)
 73. Kinoshita, W. T., A gravity survey of the Long Valley district, Idaho: 3 figs. Jan. 24, 1962. (Wa, Da, M, S Idaho Bureau of Mines and Geology, Univ. of Idaho, Moscow, Idaho.)
 74. LaFehr, T. R., Gravity survey in the eastern Snake River Plain, Idaho--a progress report: 49 p., 8 figs. Feb. 28, 1962. (Wa, Da, M, S, and U.)
 75. Laine, L. L., Surface waters of Cottonwood Creek in the Cimarron River basin in central Oklahoma: 41 p., 5 figs. May 12, 1962. (Wa and Room 4301, Federal Bldg., 200 N.W. 4th Street, Oklahoma City, Okla.)
 76. Laraway, W. H., and Houser, F. N., Outline of geology of the U12j and U12j.01 tunnels, Nevada Test Site: 12 p., 2 figs., 5 tables. Nov. 2, 1962. (Wa, Da, Db, M, LA, SF, U; Library, Mackay School of Mines, Univ. of Nevada, Reno, Nev.; Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.; Mercury, Nev.)
 77. Lofgren, B. E., Land subsidence in the Tulare-Wasco area, California, 1959-62: 1 map. May 31, 1962. (Wb and Room 8024, Federal Bldg. and U. S. Court House, 650 Capitol Ave., Sacramento, Calif.)
 78. Lowry, M. E., Development of ground water in the vicinity of Tensleep, Wyoming: 12 p., 1 fig. Dec. 6, 1962. (Wb and Frangos Bldg., 2123 Carey Ave., Cheyenne, Wyo.)
 79. Malmberg, G. T., Two figures projecting water levels and pumpage at Las Vegas, Nevada through 1970: 2 figs. August 13, 1962. (Wb and 222 E. Washington St., Carson City, Nev.)
 80. McClelland, E. J., Aquifer-test compilation for the San Joaquin Valley, California: 40 p., 1 fig. Nov. 30, 1962. (Wb and Room 8024, Federal Bldg. and U. S. Court House, 650 Capitol Ave., Sacramento, Calif.)
 81. McKay, E. J., Geologic map of the Yucca Flat quadrangle, Nevada Test Site, Nye County, Nevada: 1 map and explanation. Dec. 18, 1962. (Wa, Da, Db, M, LA, SF, U; Library, Mackay School of Mines, Univ. of Nevada, Reno, Nev.; Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.; Mercury, Nev.)
 82. McLaughlin, Thad, Development of ground water in an interior basin, U.S.A.: 22 p., 2 figs. Jan. 26, 1962. (Wb and Da.)
 83. Meuschke, J. L., McCaslin, W. E., and others, Aeromagnetic map of part of the

- Pend Oreille area, Idaho: 1 map (2 sheets). Feb. 28, 1962. (Wa, Da, M, LA, S, U; Idaho Bureau of Mines and Geology, Moscow, Idaho.)
84. Meyer, Gerald, Notes on West Virginia's water resources: 3 p., 1 fig. July 12, 1962. (Wb and 405 Mineral Industries Bldg., West Virginia Univ., Morgantown, W. Va.)
 85. Miller, G. A., and Evenson, R. E., Geologic reconnaissance and test-well drilling at proposed Air Force Facility, near Lompoc, California: 16 p., 2 figs. August 7, 1962. (Wb; Room 8024, Federal Bldg. and U. S. Court House, 650 Capitol Ave., Sacramento, Calif.; 121 W. de La Guerra St., Santa Barbara, Calif.)
 86. Moore, H. J., Gault, D. E., and MacCormack, R. W., Fluid impact craters and hypervelocity--high velocity impact experiments in metals and rocks: 24 p., 3 figs., 1 table. Nov. 19, 1962. (Wa, Da, and M.)
 87. Moore, J. E., Selected logs and drilling records of wells and test holes drilled at the Nevada Test Site prior to 1960: 50 p., 4 figs. Feb. 5, 1962. (Wa, Wb, Da, M, LA, SF, U; Mackay School of Mines Library, Univ. of Nevada, Reno, Nev.; Mercury, Nev.; Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.)
 88. Moore, J. E., and Garber, M. S., Ground water test well B, Nevada Test Site, Nye County, Nevada: 50 p., 6 figs. Apr. 4, 1962. (Wa, Wb, Da, M, LA, SF, U; Mackay School of Mines Library, Univ. of Nevada, Reno, Nev.; Mercury, Nev.; Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.)
 89. Morris, H. T., Geologic map of the Mammoth mine area, Tintic district, Utah: 1 map. Jan. 4, 1962. (Wa, Da, Db, M, and U.)
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 95. Oldale, R. N., and Tuttle, C. R., Preliminary report on the seismic investigations in the Orleans, Wellfleet, North Truro, and Provincetown quadrangles, Massachusetts: 2 figs., 1 table. Oct. 5, 1962. (Wa, Da, M; Room 1, 270 Dartmouth St., Boston, Mass.; Room 206, 211 Congress St., Boston, Mass.; Massachusetts Dept. of Public Works, 100 Nashua St., Boston, Mass.)
 96. Oldale, R. N., Tuttle, C. R., and Currier, L. W., Preliminary report on the seismic investigations in the Harwich and Dennis quadrangles, Massachusetts: 1 fig., 2 tables. Oct. 5, 1962. (Wa, Da, M; Room 1, 270 Dartmouth St., Boston, Mass.; Room 206, 211 Congress St., Boston, Mass.; Massachusetts Dept. of Public Works, 100 Nashua St., Boston, Mass.)
 97. Overstreet, W. C., and Bell, Henry, 3d., Provisional geologic map of the crystalline rocks of South Carolina: 11 p., 1 map. Jan. 4, 1962. (Wa, Da, M; Room 11, Post Office Bldg., Knoxville, Tenn.; Office of District Geologist, Ground Water Branch, USGS, 627 Bull St., Columbia, S. C.; Office of the State Geologist, State Development Board, Columbia, S. C.)
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- Honolulu, Hawaii; Hawaii Volcano Observatory, Hawaii Natl. Park, Hawaii.)
101. Paulson, Q. F., Report on results of test drilling and pumping test in wildlife Research Project area, James River valley, Stutsman County, North Dakota: 21 p., 2 figs. Oct. 4, 1962. (Wb and Geological Survey, Univ. of North Dakota, Grand Forks, N. Dak.)
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 104. Plouff, Donald, Bouguer gravity map of the Twin Buttes area, Pima and Santa Cruz Counties, Arizona. 1 map. Aug. 8, 1962. (Wa, Da, Db, M, LA, SF, T, U; Arizona Bureau of Mines, Univ. of Arizona, Tucson, Ariz.)
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 107. Richardson, E. V., Hydraulic model studies --Stream gaging control structure for Carrizo-Corduoy Project, Ariz.: 42 p., 27 figs. Apr. 18, 1962. (Wa, Da, M; Colorado State University, Fort Collins, Colo.; Geology Bldg., University of Arizona Campus, Tucson, Ariz.; Room 130, Empire Bldg., Salt Lake City, Utah.)
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 118. Sawyer, R. M., Progress report on stream-flow investigations in Suffolk County, Long Island, N. Y., 1953-57: 159 p., 1 map, 64

- figs. Jan. 2, 1962. (Wa; Room 343, Federal Bldg., Albany, N. Y.; 1505 Kellum Place, Mineola, Long Island, N. Y.)
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 128. Smith, Winchell, and Haines, C. F., Flow duration and high- and low-flow tables for California streams: 600 p., 7 figs. Apr. 18, 1962. (Wa, Da, M; Room 8506, Federal Bldg., 650 Capitol Ave., Sacramento, Calif.; Room 1003, Bartlett Bldg., 215 West 7th Street, Los Angeles, Calif.)
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 130. Subitsky, Seymour, Records of selected wells and springs, selected drillers' logs of wells, and chemical analyses of ground and surface waters, northern Utah Valley, Utah County, Utah: 15 p., 2 figs. Apr. 20, 1962. (Wb and Room 125, Empire Bldg., 231 East 4th St., S., Salt Lake City, Utah.)
 131. Theobald, P. K., Jr., Description, composition, and tenor of unconsolidated sediments in monazite-bearing tributaries to the Broad River in the western Piedmont of South Carolina and North Carolina: 18 p., 2 figs., 10 tables. Aug. 8, 1962. (Wa, Da, and M.)
 132. Thomas, D. M., Extent and frequency of inundation of flood plain in vicinity of Bound Brook in Somerset and Middlesex Counties, N. J.: 21 p., 6 figs. Jan. 2, 1962. (Wa and Room 433, Federal Bldg., Trenton, N. J.)
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 134. Thordarson, William, Garber, M. S., and Walker, G. E., Ground water test well D, Nevada Test Site, Nye County, Nevada: 53 p., 5 figs. Mar. 5, 1962. (Wa, Wb, Da, M, LA, SF, U; Mackay School of Mines Library, Univ. of Nevada, Reno, Nev.; Mercury, Nev.; Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.)
 135. Trimble, D. E., and Carr, W. J., Preliminary report on the stratigraphy of the Paleozoic rocks southwest of Pocatello, Idaho: 16 p., 2 figs. July 23, 1962. (Wa, Da, M, S, U; Idaho Bureau of Mines and Geology, Moscow, Idaho.)
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- for selected areas in the western United States for the period 1945-59: 37 p., 17 figs. Feb. 28, 1962. (Wa, Da, Db, M, LA, SF, T, U; Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.; Mercury, Nev.; Library, Mackay School of Mines, Univ. of Nevada, Reno, Nev.)
138. Twenhofel, W. S., Moore, J. E., and Black, R. A., Preliminary evaluation of the seismicity, geology, and hydrology of the northern Sand Springs Range, Churchill County, Nevada, as a possible site for Project Shoal: 20 p., 10 figs., 1 table. Feb. 28, 1962. (Wa, Da, Db, M, LA, SF, T, U; Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.; Mercury, Nev.; Library, Mackay School of Mines, Univ. of Nevada, Reno, Nev.)
 139. United States Geological Survey, Advanced short course, Surface Water Branch: 670 p., 220 figs. Feb. 5, 1962. (Wband all Surface Water Branch district offices.)
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 141. United States Geological Survey, Basic training course, Menlo Park district, Surface Water Branch: 260 p., 20 figs. Feb. 5, 1962. (M.)
 142. United States Geological Survey, Geologic and assay logs, Drill-Holes JD-327 and JD-339, Jo Dandy area, Colorado: Nov. 23, 1962. (Wa.)
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 145. Walker, G. E., Ground water in the Climax stock, Nye County, Nevada: 56 p., 11 figs. Apr. 17, 1962. (Wa, Wb, Da, M, LA, SF, U; Mackay School of Mines Library, Univ. of Nevada, Reno, Nev.; Mercury, Nev.; Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.)
 146. Walker, P. N., Drainage areas at selected sites on streams in North Carolina: 67 p. Sept. 7, 1962. (Wa, Da, M; 4th Floor, Federal Bldg., Raleigh, N. Car.)
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 149. Watkins, J. S., Gravity observations by U. S. Geological Survey in Kentucky prior to October 1, 1961: 10 p., 1 table. May 10, 1962. (Wa, Da, M; 496 Southland Drive, Lexington, Ky.; Room 307, Mineral Industries Bldg., Lexington, Ky.)
 150. Watkins, J. S., and Yuval, Zvi, Gravity observations and Bouguer anomaly values for eastern Tennessee: 20 p., 1 table. Oct. 5, 1962. (Wa, Da, M; Room 11, Post Office Bldg., Knoxville, Tenn.; Office of the State Geologist, Div. of Geology, Dept. of Conservation, G-5 State Office Bldg., Nashville, Tenn.)
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 152. Weir, J. E., Jr., Ground-water inventory for 1961, Edwards Air Force Base, California: 54 p., 8 figs. Sept. 5, 1962. (Wb; Room 8024, Federal Bldg. and U. S. Court House, Sacramento, Calif.; 221 Redondo Ave., Long Beach, Calif.)
 153. Weir, J. E., Jr., and Dyer, H. B., Ground-water conditions during 1961 at the Marine Corps Base, Twentynine Palms, California: 50 p., 10 figs. Jan. 11, 1962. (Wb; Room 8024, Federal Bldg. and U. S. Court House, Sacramento, Calif.; 221 Redondo Ave., Long Beach, Calif.)
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 155. Westfall, A. O., Surface waters of Otter Creek basin in southwestern Oklahoma: 37 p., 3 figs. Oct. 15, 1962. (Wa, Da; Room 4301 Federal Bldg. and U. S. Court House, 200 Northwest 4th St., Oklahoma City, Okla.)

156. White, A. M., Description, composition, and tenor of unconsolidated sediments in monazite-bearing tributaries to the Catawba River in the western Piedmont of North Carolina: 17 p., 2 figs., 9 tables. Aug. 8, 1962. (Wa, Da, and M.)
157. White, W. S., and Wright, J. C., Geologic maps showing outcrops of the Nonesuch shale from Calumet to Black River, Michigan: 2 maps. July 23, 1962. (Wa, Da, M; Room 222, Science Hall, Univ. of Wisconsin, Madison, Wis.; Office of the State Geologist, Dept. of Conservation, Lansing, Mich.; Library, Michigan College of Mining and Technology, Houghton, Mich.)
158. Whittier, W. H., and Becker, R. C., Geologic map and sections of the bituminous sandstone deposits in the P. R. Springs area, Grand and Uintah Counties, Utah. Jan. 19, 1962. (Wa, Db; 504 Federal Bldg., Salt Lake City, Utah.)
159. Wilmarth, V. R., and Johnson, D. H., Preliminary reconnaissance survey for thorium, uranium, and rare-earth oxides, Bear Lodge Mountains, Crook County, Wyoming: 26 p., 2 figs., 4 tables. Jan. 4, 1962. (Wa, Da, M; Geological Survey of Wyoming, Geology Hall, Univ. of Wyoming, Laramie, Wyo.)
160. Winograd, I. J., Interbasin movement of ground water at the Nevada Test Site: 11 p., 4 figs. Mar. 2, 1962. (Wa, Wb, Da, M, LA, SF, U; Mackay School of Mines Library, Univ. of Nevada, Reno, Nev.; Mercury, Nev.; Room 279, Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex.)

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