

GEOLOGICAL SURVEY CIRCULAR 548



Reports and Maps of the Geological Survey Released Only in the Open Files, 1967

Reports and Maps of the Geological Survey Released Only in the Open Files, 1967

By Betsy A. Weld, Margaret S. Griffin
and George W. Brett

G E O L O G I C A L S U R V E Y C I R C U L A R 5 4 8



United States Department of the Interior
STEWART L. UDALL, *Secretary*



Geological Survey
William T. Pecora, *Director*



Reports and Maps of the Geological Survey

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CONTENTS

	Page
Introduction-----	1
Maps and book reports ----	2
Index-----	17

INTRODUCTION

This circular contains a list of maps and reports released by the U.S. Geological Survey during 1967 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. 17), 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:

- Wa Library, 1033 General Services Administration Building, 18th and F Streets, NW., Washington, D. C. 20242.
- Wb 132 Washington Building, Arlington Towers, 1011 Arlington Boulevard, Arlington, Va. 22209.
- Da Library, Building 25, Federal Center, Denver, Colo. 80225.
- Db Public Inquiries Office, 1012 Federal Building, Denver, Colo. 80202.
- M Library, 345 Middlefield Road, Menlo Park, Calif. 94025.
- F Library, 801 East Cedar Avenue, Flagstaff, Ariz. 86001.

- A Public Inquiries Office, 108 Skyline Building, 508 2nd Ave., Anchorage, Alaska 99501.
- LA Public Inquiries Office, 7638 Federal Building, 300 N. Los Angeles Street, Los Angeles, Calif. 90012.
- S Public Inquiries Office, 678 U.S. Court House Building, West 920 Riverside Avenue, Spokane, Wash. 99201.
- SF Public Inquiries Office, 504 Custom House, 555 Battery Street, San Francisco, Calif. 94111.
- T Public Inquiries Office, 602 Thomas Building, 1314 Wood Street, Dallas, Tex. 75202.
- U Public Inquiries Office, 8102 Federal Office Building, 125 South State Street, Salt Lake City, Utah 84111.

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

Year(s)	Circular	Year	Circular
1946-47	*56	1958	412
1948	*64	1959	428
1949-50	*149	1960	448
1951	*227	1961	463
1952	*263	1962	473
1953	*337	1963	488
1954	*364	1964	498
1955	*379	1965	518
1956	*401	1966	528
1957	*403		

MAPS AND BOOK REPORTS

1. Ackroyd, E. A., Preliminary map showing the estimated potential yields of the Little Muddy aquifer, Williams County, North Dakota: 1 map. (Wb; 348 New Federal Bldg., Third St. and Rosser Ave., Bismarck, N. Dak. 58502.)
2. Akers, J. P., The geohydrology of Pinnacles National Monument, California: 32 p., 2 figs. (Wb, LA, M, SF.)
3. Akers, J. P., and Hickey, J. J., Geohydrologic reconnaissance of the Soquel-Aptos area, Santa Cruz County, California: 58 p., 5 figs. (Wb, M, LA, SF.)
4. Anderson, C. A., Preliminary geologic map of the SW $\frac{1}{4}$ Mayer quadrangle, Yavapai County, Arizona: 1 map, scale 1:24,000. (Wa, Da, Db, M, SF, LA, U.)
5. Anderson, H. W., Jr., Ground-water resources of Island County, Washington, with a section on Quality of the ground water, by A. S. Van Denburgh: 254 p., 22 figs. (Wb; Rm. 300, 1305 Tacoma Ave. S., Tacoma, Wash. 98402.)
6. Anderson, Warren, Flow characteristics of the St. Johns River at Palatka, Florida: 19 p., 5 figs. (Wb; Gunter Bldg., Tennessee and Woodward Sts., Tallahassee, Fla. 32304.)
7. Bailey, N. G., Cinder Lake crater field location test: 17 p., 2 pls., 5 figs. (Wa, Da, M, F.)
8. Baker, R. C., Measured stratigraphic sections, Salt Croton and Croton Creek valleys, Kent and Stonewall Counties, Texas: 24 p., 2 figs. (Wb, T; Federal Bldg., 300 E. 8th Ave., Austin, Tex. 78701.)
9. Ballance, W. C., and Basler, J. A., Runoff from a paved small watershed at White Sands Missile Range, New Mexico: 18 p., 3 figs. (Wb, Db; Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex. 87106.)
10. Barnes, D. F., Four preliminary gravity maps of parts of Alaska: 4 maps and index map, scale, approximately 1:5,000,000. (Wa, Da, Db, M, A, S, SF, LA, T; Brooks Bldg., College, Alaska 99701; 441 Federal Bldg., Juneau, Alaska 99801; Alaska Div. of Mines and Minerals, 509 Goldstein Bldg., Juneau, Alaska 99801, and 3001 Porcupine Drive., Anchorage, Alaska 99504.)
11. Barosh, P. J., Preliminary geologic section from Pahute Mesa, Nevada Test Site, to Enterprise, Utah: 37 p., 2 pls., 1 fig. (Wa, Da, Db, M, LA, SF, U; Library, Mackay School of Mines, Univ. of Nevada, Reno, Nev. 89507.)
12. Barraclough, J. T., Teasdale, W. E., Robertson, J. B., and Jensen, R. G., Hydrology of the National Reactor Testing Station, Idaho, 1966: 98 p., 56 figs. (Wb, SF, U, S; P.O. Box 2230, Idaho Falls, Idaho 83401.)
13. Basler, J. A., Rehabilitation of wells 13, 15, 16, and 17, Headquarters area, White Sands Missile Range, New Mexico: 86 p., 9 figs. (Wb, Db, T, U.)
14. Bath, G. D., Aeromagnetic anomalies related to remanent magnetism in volcanic rocks, Nevada Test Site: 20 p., 7 figs. (Wa, D ϵ , Db, LA, M, SF, U; Library, Mackay School of Mines, Univ. of Nevada, Reno, Nev. 89507.)
15. Beeson, M. H., A computer program for processing electron microprobe data: 10 p., 31 p. appendix. (Wa, Da, M, SF.)
16. Bergendahl, M. H., Geologic map of the Dillon SW quadrangle, Eagle and Summit Counties, Colorado: 1 map, 1 sheet of data, scale 1:24,000. (Wa, Da, Db, U, M.)
17. Bingham, J. W., Maps of the Columbia River Irrigation Project area, Washington, showing water-level altitudes, March-April 1963: 2 maps. (Wb, LA, SF, S; Rm. 300, 1305 Tacoma Ave. S., Tacoma, Wash. 98402.)
18. Blankennagel, R. K., Hydraulic testing techniques of deep drill holes at Pahute Mesa, Nevada Test Site: 51 p., 11 figs. (Wb, LA, SF, U.)
19. Bloyd, R. M., Jr., Progress report on the ground-water investigations in San Geronio Pass area, California: 13 p., 2 figs. (Wb, LA, SF; 13245 Harbor Blvd., Garden Grove, Calif. 92640.)
20. Bloyd, R. M., Jr., Water-resources inventory for 1966, Antelope Valley-East Kern Water Agency area, California: 19 p., 7 figs. (Wb, LA, SF, M; 13245 Harbor Blvd., Garden Grove, Calif. 92640.)
21. Bloyd, R. M., Jr., Water-resources of the Antelope Valley-East Kern Water Agency area, California: 135 p., 18 figs. (Wb, M, LA, SF; 13245 Harbor Blvd., Garden Grove, Calif. 92640.)
22. Boner, F. C., and Omang, R. J., Magnitude and frequency of floods from drainage areas less than 100 square miles in Montana: 23 p., 7 figs. (Wb; 421 Federal Bldg., Helena, Mont. 59601.)
23. Bonilla, M. G., Historic surface faulting in continental United States and adjacent parts of Mexico: 36 p., 10 figs., 1 table. (Wa, Da, Db, M, A, LA, S, SF, T, U.)
24. Borcherdt, R. D., Healy, J. H., Jackson, W. H., and Warren, D. R., Seismic measurements of explosions in the Tatum Salt Dome, Mississippi: 11 p., 2 tables, 53 p. figs. (Wa, Da, M.)
25. Boudette, E. L., Hatch, N. L., Jr., and Harwood, D. S., Geology of the Upper St. John and Allagash River basins, Maine: 77 p., 2 pls., 2 figs., 2 tables, and 14 sheets appendix (13 maps, 1 explanation), scale, 2 at 1:250,000 and 13 at 1:62,500. (Wa, Da, M; 80 Broad St., Boston,

- Mass. 02110; Dept. of Econ. Devel., Div. of Geology, State House, Augusta, Me. 04330.)
26. Bowles, C. G., Present-day ground water, a possible guide to uranium exploration in the southern Black Hills of South Dakota and Wyoming: 24 p., 13 figs., 1 table. (Wa, Da, Db, M, U; South Dakota State Geol. Survey, Science Center, Univ. of South Dakota, Vermillion, S. Dak. 57069; South Dakota School of Mines, Rapid City, S. Dak. 57701; Wyoming Geol. Survey, Univ. of Wyoming, Laramie, Wyo. 82070.)
 27. Braddock, W. A., Geologic map of the Empire quadrangle, Grand, Gilpin, and Clear Creek Counties, Colorado: 1 map and explanation, scale 1:20,000. (Wa, Da, Db, M, U.)
 28. Bromfield, C. S., Baker, A. A., Crittenden, M. D., Jr., Geologic map of the Heber quadrangle, Wasatch and Summit Counties, Utah: 1 map, scale 1:24,000. (Wa, Da, Db, M, U.)
 29. Brosgé, W. P., Reiser, H. N., and Tailleur, I. L., Copper analyses of selected samples, southwestern Brooks Range, Alaska: 1 sheet. (Wa, Da, Db, M, SF, LA, A, S, T; Brooks Bldg., College, Alaska 99701; 441 Federal Bldg., Juneau, Alaska 99801; Alaska Div. of Mines and Minerals, 509 Goldstein Bldg., Juneau, Alaska 99801, and 3001 Porcupine Dr., Anchorage, Alaska 99504.)
 30. Brown, R. D., Jr., Most conspicuous strands of the San Andreas and related faults, southwestern Marin County, California: 1 map, scale 1:24,000. (Wa, Da, M, SF, LA.)
 31. Bryan, Kirk, Smith, E. P. G., and Waring, G. A., Ground-water supplies and irrigation in San Pedro Valley, Arizona: 170 p., 16 pls., 5 figs. (Wb.)
 32. Buturla, Frank, Jr., Preliminary ground-water availability map of Wells County, North Dakota: 5 p., 1 fig. (Wb; 348 New Federal Bldg., Third St. and Rosser Ave., Bismarck, N. Dak. 58502.)
 33. Cadigan, R. A., Tabulated petrologic data from a study of the Morrison Formation in the Colorado Plateau region: 16 tables (64 p.). [Supplemental data in connection with USGS Prof. Paper 556, Petrology of the Morrison Formation in the Colorado Plateau region.] (Wa, Da, M.)
 34. Calkins, J. A., The geology of the western limb of the Hazara-Kashmir syntaxis, West Pakistan and Kashmir: 150 p., 6 pls. (incl. 2 quadrangles, scale 1:50,000), 33 figs., 4 tables. (Wa, Da.)
 35. Callahan, J. E., and Wanek, A. A., Geologic reconnaissance of possible power sites at Spur Mountain, Tyee, and Eagle Lakes, southeastern Alaska: 80 p., 11 figs., 1 table. (Wa, A, S; 244 Federal Bldg., Tacoma, Wash. 98401; Alaska Power Adm., Juneau, Alaska 99801.)
 36. Carpenter, P. J., Floods in Rock River basin, Iowa: 32 p., 5 figs. (Wb; 508 Hydraulic Lab., Iowa City, Iowa 52240.)
 37. Carpenter, P. J., and Appel, D. H., Water-surface profiles of Raccoon River at Des Moines, Iowa: 5 p., 9 figs. (Wb; 508 Hydraulic Lab., Iowa City, Iowa 52240.)
 38. Carroll, R. D., Coffin, D. L., Ege, J. F., and Welder, F. A., Preliminary report on Bureau of Mines Yellow Creek core hole No. 1, Rio Blanco County, Colorado: 36 p., 5 figs., 5 tables. (Wa, Da, Db, M, U, LA, SF.)
 39. Case, J. E., Geophysical ore guides along the Colorado mineral belt: 13 p., 8 figs. (Wa, Da, Db, M, U.)
 40. Cathcart, J. B., Florida type phosphorite deposits—origin and techniques for prospecting: 27 p., 1 fig., 2 tables. (Wa, Da, M.)
 41. Cathcart, J. B., Marine phosphorite deposits—economic considerations: 21 p., 1 table. (Wa, Da, M.)
 42. Cathcart, J. B., Phosphate exploration in Columbia—a case history: 19 p., 1 fig., 1 table. (Wa, Da, M.)
 43. Cathcart, J. B., and Zambrano O., Francisco, Phosphate rock in Columbia: A preliminary report, with a section on The phosphate occurrence at Turmeque, by Pedro E. Mojica G.: 123 p., 11 figs., 3 tables. (Wa.)
 44. Chapman, R. M., and Foster, R. L., Locations and descriptions of lode mines and prospects in the Fairbanks district, Alaska: 28 p., 1 fig., 2 tables. (Wa, Da, Db, M, S, A, SF, LA, T; Brooks Bldg., College, Alaska 99701; 441 Federal Bldg., Juneau, Alaska 99801; Alaska Div. of Mines and Minerals, 509 Goldstein Bldg., Juneau, Alaska 99801, and 3001 Porcupine Dr., Anchorage, Alaska 99504.)
 45. Clarke, F. E., and Barnes, Ivan, Evaluation and control of corrosion and encrustation in tube wells of the Indus Plain, West Pakistan: 69 p., 28 figs. (Wb, M.)
 46. Clement, R. W., Flood of May 30-31, 1965 in the Carlsbad, New Mexico, area: 46 p., 4 figs. (Wb, Db, T, U; Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex. 87106.)
 47. Click, D. E., and Aldridge, B. N., Floods from small drainage areas in Arizona: 27 p., 4 figs. (Wb, LA, SF, Db, U; Geology Bldg., Univ. of Arizona, Tucson, Ariz. 85717.)
 48. Clifton, H. E., Sample size preconcentration requirements for meaningful analysis of gold: 1 chart. (Wa, Da, Db, U, M, S, A, SF, LA, T.)

49. Cobb, E. H., compiler, Metallic mineral resources map of the Bendeleben quadrangle, Alaska: 9 p., 1 map, scale 1:250,000. (Wa, Da, Db, M, A, LA, S, SF; Brooks Bldg., College, Alaska 99701; 441 Federal Bldg., Juneau, Alaska 99801; Alaska Div. of Mines and Minerals, 3001 Porcupine Dr., Anchorage, Alaska 99504, University Ave., College, Alaska 99701, and 509 Goldstein Bldg., Juneau, Alaska 99801.)
50. Cobb, E. H. compiler, Metallic mineral resources map of the Big Delta quadrangle, Alaska: 4 p., 1 map, scale 1:250,000. (Wa, Da, Db, M, A, S, SF, LA, T; Brooks Bldg., College, Alaska 99701; 441 Federal Bldg., Juneau, Alaska 99801; Alaska Div. of Mines and Minerals, 509 Goldstein Bldg., Juneau, Alaska 99801, and 3001 Porcupine Dr., Anchorage, Alaska 99504.)
51. Cobb, E. H. compiler, Metallic mineral resources map of the Candle quadrangle, Alaska: 5 p., 1 map, scale 1:250,000. (Wa, Da, Db, M, A, LA, S, SF; Brooks Bldg., College, Alaska 99801; 441 Federal Bldg., Juneau, Alaska 99801; Alaska Div. of Mines and Minerals, 3001 Porcupine Dr., Anchorage, Alaska 99504, University Ave., College, Alaska 99701, and 509 Goldstein Bldg., Juneau, Alaska 99801.)
52. Cobb, E. H., compiler, Metallic mineral resources map of the Chandalar quadrangle, Alaska: 5 p., 1 map, scale 1:250,000. (Wa, Da, Db, M, A, LA, S, SF; Brooks Bldg., College, Alaska 99701; 441 Federal Bldg., Juneau, Alaska 99801; Alaska Div. of Mines and Minerals, 3001 Porcupine Dr., Anchorage, Alaska 99504, University Ave., College, Alaska 99701, and 509 Goldstein Bldg., Juneau, Alaska 99801.)
53. Cobb, E. H., compiler, Metallic mineral resources map of the Charley River quadrangle, Alaska: 3 p., 1 map, scale 1:250,000. (Wa, Da, Db, M, A, S, SF, LA, T; Brooks Bldg., College, Alaska 99701; 441 Federal Bldg., Juneau, Alaska 99801; Alaska Div. of Mines and Minerals, 509 Goldstein Bldg., Juneau, Alaska 99801, and 3001 Porcupine Dr., Anchorage, Alaska 99504.)
54. Cobb, E. H., compiler, Metallic mineral resources map of the Circle quadrangle, Alaska: 6 p., 1 map, scale 1:250,000. (Wa, Da, Db, M, A, S, SF, LA, T; Brooks Bldg., College, Alaska 99701; 441 Federal Bldg., Juneau, Alaska 99801; Alaska Div. of Mines and Minerals, 509 Goldstein Bldg., Juneau, Alaska 99801, and 3001 Porcupine Dr., Anchorage, Alaska 99504.)
55. Cobb, E. H., compiler, Metallic mineral resources map of the Eagle quadrangle, Alaska: 8 p., 1 map, scale 1:250,000. (Wa, Da, Db, M, A, S, SF, LA, T; Brooks Bldg., College, Alaska 99701; 441 Federal Bldg., Juneau, Alaska 99801; Alaska Div. of Mines and Minerals, 509 Goldstein Bldg., Juneau, Alaska 99801, and 3001 Porcupine Dr., Anchorage, Alaska 99504.)
56. Cobb, E. H., compiler, Metallic mineral resources map of the Fairbanks quadrangle, Alaska: 8 p., 1 pl., scale 1:250,000. Wa, Da, Db, M, A, S, SF, LA, T; Brooks Bldg., College, Alaska 99701; 441 Federal Bldg., Juneau, Alaska 99801; Alaska Div. of Mines and Minerals, 509 Goldstein Bldg., Juneau, Alaska 99801, and 3001 Porcupine Dr., Anchorage, Alaska 99504.)
57. Cobb, E. H., compiler, Metallic mineral resources map of the Healy quadrangle, Alaska: 5 p., 1 map, scale 1:250,000. (Wa, Da, Db, M, A, LA, S, SF; Brooks Bldg., College, Alaska 99701; 441 Federal Bldg., Juneau, Alaska 99801; Alaska Div. of Mines and Minerals, 3001 Porcupine Dr., Anchorage, Alaska 99504, University Ave., College, Alaska 99701, and 509 Goldstein Bldg., Juneau, Alaska 99801.)
58. Cobb, E. H., compiler, Metallic mineral resources map of the Livengood quadrangle, Alaska: 11 p., 1 map, scale 1:250,000. (Wa, Da, Db, M, A, S, SF, LA, T; Brooks Bldg., College, Alaska 99701; 441 Federal Bldg., Juneau, Alaska 99801; Alaska Div. of Mines and Minerals, 509 Goldstein Bldg., Juneau, Alaska 99801, and 3001 Porcupine Dr., Anchorage, Alaska 99504.)
59. Cobb, E. H., compiler, Metallic mineral resources map of the Mount Hayes quadrangle, Alaska: 8 p., 1 map, scale 1:250,000. (Wa, Da, Db, M, A, LA, S, SF; Brooks Bldg., College, Alaska 99701; 441 Federal Bldg., Juneau, Alaska 99801; Alaska Div. of Mines and Minerals, 3001 Porcupine Dr., Anchorage, Alaska 99504, University Ave., College, Alaska 99701, and 509 Goldstein Bldg., Juneau, Alaska 99801.)
60. Cobb, E. H., compiler, Metallic mineral resources map of the Solomon quadrangle, Alaska: 10 p., 1 map, scale 1:250,000. (Wa, Da, Db, M, A, LA, S, SF; Brooks Bldg., College, Alaska 99701; 441 Federal Bldg., Juneau, Alaska 99801; Alaska Div. of Mines and Minerals, 3001 Porcupine Dr., Anchorage, Alaska 99504, University Ave., College, Alaska 99701, and 509 Goldstein Bldg., Juneau, Alaska 99801.)
61. Cobb, E. H., compiler, Metallic mineral resources map of the Tanana quadrangle, Alaska: 8 p., 1 map, scale 1:250,000. (Wa, Da, Db, M, A, S, SF, LA, T; Brooks Bldg., College, Alaska 99701; 441 Federal Bldg., Juneau, Alaska 99801; Alaska Div. of Mines and Minerals, 509 Goldstein Bldg., Juneau, Alaska 99801, and 3001 Porcupine Dr., Anchorage, Alaska 99504.)

62. Cobb, E. H., compiler, Metallic mineral resources map of the Wiseman quadrangle, Alaska: 6 p., 1 map, scale 1:250,000. (Wa, Da, Db, M, A, LA, S, SF; Brooks Bldg., College, Alaska 99701; 441 Federal Bldg., Juneau, Alaska 99801; Alaska Div. of Mines and Minerals, 3001 Porcupine Dr., Anchorage, Alaska 99504, University Ave., College, Alaska 99701, and 509 Goldstein Bldg., Juneau, Alaska 99801.)
63. Cobb, E. H., and Richter, D. H., compilers, Metallic mineral resources map of the Seward and Blying Sound quadrangles, Alaska: 13 p., 1 map, scale 1:250,000. (Wa, Da, Db, M, A, LA, S, SF; Brooks Bldg., College, Alaska 99701; 441 Federal Bldg., Juneau, Alaska 99801; Alaska Div. of Mines and Minerals, 3001 Porcupine Dr., Anchorage, Alaska 99504, University Ave., College, Alaska 99701, and 509 Goldstein Bldg., Juneau, Alaska 99801.)
64. Collins, F. R., and Robinson, F. M., Subsurface stratigraphic, structural and economic geology, northern Alaska: 259 p., 19 pls., 16 figs., 2 tables. (Wa, Da, Db, M, A, S, SF, LA, T; Brooks Bldg., College, Alaska 99701; 441 Federal Bldg., Juneau, Alaska 99801; Alaska Div. of Mines and Minerals, 509 Goldstein Bldg., Juneau, Alaska 99801, and 3001 Porcupine Dr., Anchorage, Alaska 99504.)
65. Colton, R. B., Sand and gravel pit data sheets and location map for the Torrington quadrangle, Connecticut: 1 map, 37 tables. (Wa, Da, M; 80 Broad St., Boston, Mass. 02110; Connecticut Geol. and Nat. History Survey, Judd Hall, Wesleyan Univ., Middletown, Conn. 06457.)
66. Condes de la Torre, Alberto, Streamflow and flood characteristics, Pima County, Arizona (a progress report): 24 p., 7 figs. (Wb, LA, SF, Db, U; Geology Bldg., Univ. of Arizona, Tucson, Ariz. 85717; 201 E. Roosevelt St., Phoenix, Ariz. 85004.)
67. Cook, J. J., A survey of lunar geology, 10 January 1966 through 10 June 1966: 71 p., 28 figs., 3 tables. (Wa, Da, M, F.)
68. Cornwall, H. R., Preliminary geologic map of southern Nye County, Nevada: 1 map and explanation, 1 fig., 6 p. source data; scale 1:250,000. (Wa, Da, M, SF, LA, U; Library, Mackay School of Mines, Univ. of Nevada, Reno, Nev. 89507.)
69. Cross, W. P., Flood of July 12, 1966, in the vicinity of Sandusky, Ohio. (Wb; 554 Post Office Bldg., Columbus, Ohio 43215.)
70. Crosthwaite, E. G., Memorandum report on ground-water conditions of the site of the Kooskia National Fish Hatchery (Idaho): 18 p., 2 figs. (Wb, SF, U, S; 215 Jefferson St., Boise, Idaho 83702.)
71. Crosthwaite, E. J., Mundorff, M. J., and Walker, E. H., Ground-water aspects of the lower Henrys Fork region, Idaho: 79 p., 1 fig. (Wb, SF, U, S; Rm. 215, 914 Jefferson St., Boise, Idaho 83702.)
72. Cushman, R. V., Hydrology problems as related to wilderness management and water supplies for recreational areas at Mammoth Cave National Park, Kentucky: 16 p. (Wb; 310 Center Bldg., 522 W. Jefferson St., Louisville, Ky. 40202.)
73. Daniels, D. L., Additional infrared spectral emittance measurements of rocks from the Mono Craters region, California: 8 p., 4 figs., 1 table. (Wa, Da, M, F.)
74. Daniels, D. L., Infrared spectral emittance of rocks from the Pisgah Crater and Mono Craters areas, California: 5 p., incl. 3 p. charts. (Wa, Da, M.)
75. Danilchik, Walter, Source and size of the leakage zone of the natural dam, Lago Laja, Chile: 22 p., 1 pl., 8 figs. (Wa, Da, M.)
76. Davidson, C. B., Geochemical prospecting abstracts, January 1961-December 1962: 320 p., 24 p. index. (Wa, Da, M.)
77. Davidson, C. B., Markward, E. L., and Cieslewicz, John; Geochemical prospecting abstracts, July 1957-December 1960: 573 p., 46 p. index. (Wa, Da, M.)
78. Davis, M. E., Memorandum on availability of water having less than 2,500 parts per million dissolved solids in alluvium of Rio Grande near El Paso, Texas: 7 p., 2 figs. (Wb, T; 300 E. 8th Ave., Austin, Tex. 78701.)
79. Davis, M. E., and Leggat, E. R., Preliminary results of the investigation of the saline-water resources in the Hueco Bolson near El Paso, Texas: 27 p., 4 figs. (Wb, T; Federal Bldg., 300 E. 8th Ave., Austin, Tex. 78701.)
80. Davis, W. E., and Allen, R. V., Geophysical investigations of the Bahrán gossan and Shaihab mine, Saudi Arabia: 2 p., 1 fig. (Wa; Library, Directorate General for Mineral Resources, Jiddah, Saudi Arabia.)
81. Davis, W. E., and Allen, R. V., Review of geophysical activities by the U.S. Geological Survey in Saudi Arabia, July 1965 to June 1966: 4 p. (Wa; Library, Directorate General for Mineral Resources, Jiddah, Saudi Arabia.)
82. Detterman, R. L., and Reed, B. L., Surficial deposits of the Iliamna quadrangle, Alaska: 1 map and explanation, scale 1:200,000. (Wa, Da, Db, M, A, S, SF, LA, T; Brooks Bldg., College, Alaska 99701; 441 Federal Bldg., Juneau, Alaska 99801; Alaska Div. of Mines and Minerals, 509 Gold-

- stein Bldg., Juneau, Alaska 99801, and 3001 Porcupine Dr., Anchorage, Alaska 99504.)
83. Dorrzapf, A. F., Jr., Spectrographic detection limits of the noble metals: 76 p., 28 tables. (Wa.)
 84. Doty, G. C., Supply well for Dona Ana Range Camp, Dona Ana County, New Mexico: 23 p., 6 figs. (Wb, Db, T, U; Geology Bldg., Univ. of New Mexico, Albuquerque, N. Mex. 87106.)
 85. Dunn, Bernard, Time-of-travel studies, Susquehanna River, Binghamton, New York to Athens, Pennsylvania: 29 p., 16 figs. (Wb; 341 Federal Bldg., Albany, N.Y. 12207.)
 86. Ege, J. R., Location of potential interest for fracturing oil shale with nuclear explosives for in situ retorting, Piceance Creek Basin, Rio Blanco County, Colorado: 8 p., 8 figs. (in pocket). (Wa, Da, Db, M, U, SF, LA; Library, Mackay School of Mines, Univ. of Nevada, Reno, Nev. 89507.)
 87. Ege, J. R., Carroll, R. D., and Welder, F. A. Preliminary report on the geology, geophysics and hydrology of USBM/AEC Colorado core hole No. 2, Piceance Creek Basin, Rio Blanco County, Colorado: 52 p., 12 figs., 8 tables. (Wa, Da, Db, M, U, LA, SF.)
 88. Elston, D. P., Accretion of the Murray carbonaceous chondrite and implications regarding chondrule and chondrite formation: 74 p., 13 figs., 3 tables. (Wa, Da, M, F.)
 89. Epstein, J. B., D'Agostino, J. P., Drake, A. A., Jr., and Lampiris, Nicholas, Preliminary log of exploratory hole drilled near Riegelsville, Pennsylvania: 2 p., 1 fig., 1 log. (Wa, Da, M; Bur. of Topog. and Geol. Survey, Dept. of Internal Affairs, Harrisburg, Pa. 17120.)
 90. Espenshade, G. H., Reconnaissance geologic map of the Yadkin Valley region, North Carolina: 2 sheets, scale 1:200,000. (Wa, Da, M; 11 Post Office Bldg., Knoxville, Tenn. 37902; Div. of Mineral Resources, Dept. of Conserv. and Devel., Raleigh, N.C. 27602.)
 91. Foster, R. L., and Chapman, R. M., Location and description of lode prospects in the Livengood area, east-central Alaska: 3 p., 1 fig., 2 tables. (Wa, Da, Db, M, SF, LA, A, S, T; Brooks Bldg., College, Alaska 99701; 441 Federal Bldg., Juneau, Alaska 99801; Alaska Div. of Mines and Minerals, 509 Goldstein Bldg., Juneau, Alaska 99801, and 3001 Porcupine Dr., Anchorage Alaska 99504.)
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INDEX

	Report
Aeromagnetic maps, <u>See under State names.</u>	
Acoustic velocity meter - - - - -	204
Africa, geology, soil, and climate - - - - -	191
Alaska, bedrock analyses, Iliamna quadrangle --	185
copper determinations, southwestern	
Brooks Range - - - - -	29
economic geology, northern part of State - - - -	64
geologic map, Kodiak Island - - - - -	161
geologic reconnaissance of possible	
powersites, Spur Mountain, Tyee,	
and Eagle Lakes - - - - -	35
gravity maps - - - - -	10
lode mines and prospects, Fairbanks district --	44
lode prospects, Livengood area - - - - -	91
mineral resources, Glacier Bay	
National Monument - - - - -	151
metallic mineral resources maps - - - - -	49-63
subsurface stratigraphic geology,	
northern part of State - - - - -	64
pingos and pingolike mounds - - - - -	115
profiles along Gastineau Channel - - - - -	156
stream sediment sampling, Iliamna	
quadrangle - - - - -	185
structural geology, northern part of State - - - -	64
surficial deposits, Iliamna quadrangle - - - - -	82
Analog digital recorder, trouble-shooting	
checklist - - - - -	105
Analog-model study, ground-water reservoir,	
Santa Clara Valley - - - - -	280
Arizona, floods from small drainage areas - - - -	47
geologic map, Yavapai County, Mayer	
quadrangle - - - - -	4
gravity stations, Yuma - - - - -	176
irrigation and ground-water supplies,	
San Pedro Valley - - - - -	31
mesozoic rocks - - - - -	110
radar images, San Francisco volcanic field --	193
streamflow and flood characteristics,	
Pima County - - - - -	66
Arkansas, geologic map, Pope and Yell	
Counties, Russellville West	
quadrangle - - - - -	104
ground water, Pima County - - - - -	162
water resources, Maricopa County,	
Sycamore Creek - - - - -	194
well records, Randolph and Lawrence	
Counties - - - - -	143
Asia, geology, soil, and climate - - - - -	191
Atlantic Coastal Plain, geology and	
petroleum potential - - - - -	152

	Report
Atlantic continental shelf and slope, map of	
continuous seismic profiler	
lines - - - - -	260, 261, 262
Australia, geology, soil, and climate - - - - -	191
Bolivia, geology and mineral deposits,	
Villa Martin Province, San	
Cristóbal district - - - - -	120
photoimage map - - - - -	263
Brazil, mineral deposits in Amapá - - - - -	130, 131
California, aeromagnetic maps - - - - -	224, 226, 228-
232, 236-238, 241, 244, 248, 254	
channel capacity of, reach of Fresno	
River, Madera County - - - - -	106
reaches of Ash and Berenda Sloughs,	
Madera County - - - - -	107
floods, Russian River basin - - - - -	256
geohydrologic reconnaissance, Santa Cruz	
County, Soquel-Aptos area - - - - -	3
geohydrology, Pinnacles National	
Monument - - - - -	2
geologic map, Oakland - - - - -	183
gravity stations, Blythe - - - - -	176
ground water, Cuyama Valley - - - - -	208
Edwards Air Force Base - - - - -	223
ground-water investigations, San	
Gorgonio Pass area - - - - -	19
ground-water reconnaissance, Santa	
Barbara-Montecito area - - - - -	164
ground-water reservoir, Santa Clara	
Valley, analog-model study - - - - -	280
infrared emittance of rocks, Pisgah	
Crater and Mono Craters area ---	73, 74
salt-water intrusion from inland water-	
ways, Orange County, Sunset and	
Bolsa Gaps - - - - -	269
San Andreas and related faults, strands of - - -	30
stratification, elimination of, Lake	
Cachuma - - - - -	111
stratigraphy, San Bernardino County,	
Barstow Formation - - - - -	200
time-of-travel study, Mad River - - - - -	149
water resources, Antelope Valley-East	
Kern Water Agency area - - - - -	20, 21
Cassiterite, Brazil - - - - -	130
Chile, natural dam, Lago Laja, leakage zone - - -	75
photoimage map - - - - -	259
China, geology, soil, and climate - - - - -	191
Chondrite, Murray carbonaceous, accretion - - -	88
Chromite deposits, West Pakistan, Nasai area --	264

Cinder Lake crater field, location test - - - - -	7	Florida, aquifer, Southwest Florida Water Management District - - - - -	206
Climate at specific points throughout the world - - - - -	191	deep-test-monitor well, Jacksonville - - - - -	148
Colombia, phosphate exploration - - - - -	42	flow characteristics, St. Johns River - - - - -	6
phosphate rock - - - - -	43	ground water, Ocala, tracer studies and background fluorescence - - - - -	132
Colorado, Bureau of Mines Yellow Creek core hole No. 1 - - - - -	38	ground-water flow and salinity of Biscayne Bay, Miami - - - - -	136
geologic map, Boulder County, Boulder quadrangle - - - - -	281	inflow-outflow characteristics, Lake Rousseau - - - - -	182
Clear Creek and Summit Counties, Straight Creek Tunnel pilot bore - - -	146	Geochemical prospecting abstracts, - - - - -	76, 77
Eagle and Summit Counties, Dillon SW quadrangle - - - - -	16	Geologic maps. <u>See under State names.</u>	
Grand, Gilpin, and Clear Creek Counties, Empire quadrangle - - - - -	27	Geology and petroleum potential, Atlantic Coastal Plain and continental shelf - - -	152
geology, geophysics, and hydrology, core hole No. 2, USBM/AEC, Rio Blanco County, Piceance Creek basin - - - - -	87	Geology at specific points throughout the world - -	191
location of potential interest for fracturing oil shale and retorting with nuclear explosives, Rio Blanco County, Piceance Creek basin - - - - -	86	Geophysical ore guides along the Colorado mineral belt - - - - -	39
logs of holes drilled, 1955-1956, Montrose and San Miguel Counties, Dry Creek basin area - - -	257	Geophysical report on selected geologic test sites - - - - -	186
mid-Tertiary rhyolite vents - - - - -	209	Georgia, hydrology and chloride contamination of artesian aquifer, Glynn County - -	267
mineral belt, geophysical ore guides - - - - -	39	Gold, alluvial, Brazil - - - - -	130, 131
mines and prospects, Clear Creek County, Lawson-Dumont-Fall River district - - - - -	109	Gold determination, sample size preconcentration -	48
oil shale lands, map - - - - -	258	Ground water. <u>See under State names.</u>	
Quaternary geology, Grand-Battlement Mesa area - - - - -	282	Ground-water investigations, California, San Geronimo Pass area - - - - -	19
Colorado Plateau, petrology of Morrison Formation - - - - -	33	Ground-water resources, Virginia, West Virginia, and North Carolina, Kanawha-New River basin - - - - -	124
Columbia River, radionuclide transport studies - -	108	Gulf of Mexico, map of continuous seismic profiler lines - - - - -	263
Columbia River Irrigation Project, maps of water-level altitudes, Washington - -	17	Idaho, analytical data and sample locality maps, Shoshone County, Coeur d'Alene district - - - - -	97
Columbite-tantalite, Brazil - - - - -	130, 131	geochemical maps, Coeur d'Alene district - - - - -	96
Connecticut, ground-water resources, Hamden-Wallingford area - - - - -	145	ground-water, lower Henrys Fork region - - - - -	71
sand and gravel pit data and map, Torrington quadrangle - - - - -	65	ground-water conditions, Kooskia National Fish Hatchery - - - - -	70
Continental shelf, geology and petroleum potential - - - - -	152	hydrology, National Reactor Testing Station - - - - -	12
stratigraphy - - - - -	152	structure sections, Caribou County, Upper Valley quadrangle - - - - -	188
Continuous seismic profiler map, Atlantic continental shelf and slope - - 260, 261, 262		water yield, Little Lost River basin - - - - -	268
Gulf of Mexico - - - - -	263	wells and water-level fluctuations, Bingham and Power Counties, Aberdeen-Springfield area - - - - -	202
Dam, natural, Lago Laja, Chile, leakage zone - -	75	Infrared luminescence - - - - -	207
Delaware River basin, water-data stations - - -	160	Intrusions, alkaline diabase-picrite, from Scotland, New Zealand, and Utah, chemical data - - - - -	279
Diamonds, Brazil - - - - -	131	Ion exchange selectivity, bibliography - - - - -	221
Electron microprobe data, computer program for processing - - - - -	15	Iowa, floods, Linn County, Otter Creek - - - -	195
Engineering geophysical techniques, surface and subsurface investigations - - - - -	271, 272, 273	floods, Little Sioux River basin - - - - -	196
Europe, geology, soil, and climate - - - - -	191	Rock River basin - - - - -	36
		water-surface profiles, Raccoon River - - - -	37
		Japan, geology, soil, and climate - - - - -	191

Kansas, channel degradation, Kansas River - - -	93	Montana, aeromagnetic map, Great Falls-	
Kashmir, geology of western limb of Hazara-		Brown Lake area - - - - -	242
Kashmir syntaxis - - - - -	34	Bouguer gravity anomaly map, Bearpaw	
Kentucky, engineering geology problems,		Mountains - - - - -	177
Mammoth Cave National Park - - - -	173	geologic, geochemical, and geophysical	
hydrology problems, Mammoth Cave		studies, Lewis and Clark Range,	
National Park - - - - -	72	southeastern part - - - - -	163
palynological investigations, Penn-		geologic map, Butte South quadrangle - - - -	203
sylvanian - - - - -	137	gravity stations, Bearpaw Mountains - - - -	178
Kooskia National Fish Hatchery, Idaho,		magnitude and frequency of floods - - - - -	22
ground-water conditions - - - - -	70	Morrison Formation, petrologic data,	
Korea, geology, soil, and climate - - - - -	191	Colorado Plateau region - - - - -	33
Latin America, geology, soil, and climate - - - -	191	Murray carbonaceous chondrite, accretion - - - -	88
Liberia, geologic reconnaissance - - - - -	147	Naval Petroleum Reserve No. 4, palynological	
Libya, geology and mineral resources - - - - ,	98	material - - - - -	197, 198
Little Sioux River basin, Iowa, floods - - - - -	196	Nevada, aeromagnetic maps - - - - -	224-255
Luminescence and reflectance, limestone		geologic map - - - - -	159
rocks - - - - -	274	Nye County - - - - -	68, 129
Lunar geology, survey - - - - -	67	Red Bird quicksilver mine - - - - -	270
Lunar geophysical data analysis, computer		wells, springs, and streams, hydrologic	
programs - - - - -	187	and chemical data - - - - -	190
Maine, geology, Upper St. John and Allagash		Nevada Test Site, aeromagnetic anomalies	
River basins - - - - -	25	and remanent magnetism - - - - -	14
Mammoth Cave National Park, Kentucky,		hydraulic testing techniques - - - - -	18
engineering geology problems - - - - -	173	induced and remanent magnetization - - - - -	122
Kentucky, hydrology problems - - - - -	72	wells and test holes, records - - - - -	218
Marine halite and potash deposits, distribution -	113	Nevada Test Site to Enterprise, geologic	
Marine phosphorite deposits - - - - -	41	section - - - - -	11
Mass dispersion in open-channel flow - - - - -	192	New Hampshire, geologic map, Milford	
Massachusetts, geologic map, Barnstable		quadrangle - - - - -	138
County, Monomoy Point quadrangle - - - -	139	New Mexico, flood of May 30-31, 1965,	
geologic map, Chatham quadrangle - - - -	171	Carlsbad area - - - - -	46
geology, Windsor quadrangle - - - - -	170	flood of June 17-18, 1965, Rio Hondo	
lowering of Kingsbury Pond, Norfolk - - - -	278	Valley - - - - -	102
materials map, Becket quadrangle - - - - -	116	geology and physical properties of rocks of	
East Lee quadrangle - - - - -	118	Mesita de los Alamos, Los Alamos	
Hampshire and Hampden Counties,		County - - - - -	180
Chester quadrangle - - - - -	117	ground-water records, Los Alamos area - - -	123
Massachusetts-New York, materials map,		hydrology and general geology, Santa Fe	
Massachusetts portion of Hancock		County, Pojoaque area - - - - -	220
quadrangle - - - - -	119	photogeologic map, Bernalillo, Sandoval	
Metal particles, number of, relation to		and Valencia Counties, Laguna 4	
particle size - - - - -	155	quadrangle - - - - -	112
Mexico, surface faulting in parts of United		McKinley and Valencia Counties,	
States - - - - -	23	Grants 1 quadrangle - - - - -	133
Michigan, hydrology, Saginaw Formation,		McKinley County, Chaco Canyon 3	
electric analog study - - - - -	276	quadrangle - - - - -	141
streams, flow characteristics - - - - -	135	Chaco Canyon 4 quadrangle - - - - -	140
Minnesota, flood investigations - - - - -	99	McKinley, Sandoval, and Valencia	
geohydrology, Pearl River basin - - - - -	144	Counties, Laguna 2 quadrangle - - - -	100
ground-water resources, Lea County,		Sandoval County, Laguna 1 quadrangle - -	101
Natchez Trace Parkway head-		Valencia County, Grants 4 quadrangle - -	134
quarters area - - - - -	217	runoff, White Sands Missile Range - - - - -	9
Mississippi, salmon event in Tatum		surface-water stations - - - - -	123
salt dome, complaints related		well, Dona Ana Range Camp, Dona Ana	
to water wells - - - - -	210, 211	County - - - - -	84
seismic measurements, Tatum Salt		PM-3, Los Alamos - - - - -	181
Dome, explosions - - - - -	24	rehabilitation of, White Sands Missile	
Mississippi embayment region, palynological		Range - - - - -	13
investigations, upper Cretaceous			
and Tertiary region - - - - -	222		

New York, aquifers, Susquehanna River basin - -	114	Pingos, location of, Alaska - - - - -	115
ground-water resources, Essex County,		Pinnacles National Monument, California,	
Crown Point Fish Hatchery - - - - -	125	geohydrology - - - - -	2
time-of-travel studies, Susquehanna River - -	85	Probe, borehole, for 3-dimensional stress	
water resources, management of, Long		changes in rock mass - - - - -	169
Island - - - - -	92	Puerto Rico, geology, Coama area - - - - -	94
New York-Massachusetts, materials map,		Radar images, Arizona, San Francisco	
Massachusetts portion of Hancock		volcanic field - - - - -	193
quadrangle - - - - -	119	Radionuclide transport studies, Columbia River -	108
Noble metals, spectrographic detection limits - -	83	Reflectance and luminescence of limestone	
North America, geology, soil, and climate - - -	191	rocks - - - - -	274
North Carolina, geologic map, Yadkin Valley		Remote sensing data, evaluation for	
region - - - - -	90	hydrologic uses - - - - -	189
ground-water resources, Kanawha-		Saudi Arabia diamond drill core, Lahuf mine,	
New River basin - - - - -	124	log - - - - -	216
North Dakota, ground-water availability map,		geologic status report, Mahad Adh Dhabab	
Cass County - - - - -	128	area - - - - -	215
ground-water availability map, Eddy and		geophysical activities by U.S. Geological	
Foster Counties - - - - -	219	Survey - - - - -	81
Grand Forks County - - - - -	126	geophysical investigations, Bahrn gossan	
Wells County - - - - -	32	and Shaihab mine - - - - -	80
potential-yields map, Little Muddy aquifer - - -	1	phosphate deposits, Jawf-Sakakah basin - - -	168
Nuclear explosives, water-resources		phosphate rock, discovery - - - - -	199
applications - - - - -	179	pyritic core, assays and analyses, Wadi	
Ohio, bedrock contour maps, Lower Great		Wassat gossan - - - - -	174, 175
Miami River Valley - - - - -	205	Soil at specific points throughout the world - - -	191
flood, vicinity of Sandusky - - - - -	69	South Carolina, floodflow characteristics,	
Open-channel flow, dispersion of mass - - - - -	192	Crave Creek near Columbia - - - - -	277
Oregon, geologic map, Grant County, Court-		South Dakota, ground water for uranium	
rock quadrangle - - - - -	212	exploration in southern Black Hills - - -	26
geologic map, Grant County, Long Creek		Spectrographic detection limits of noble metals - -	83
quadrangle - - - - -	213	Stream gaging with tracer elements - - - - -	275
Grant County, Prairie City quadrangle - - -	214	Susquehanna River, time-of-travel studies - - -	85
water supply, Oregon Caves National		Tatum Salt Dome, explosions, seismic	
Monument - - - - -	172	measurements - - - - -	24
Palynological material, Naval Petroleum		Texas, floods, northern Dallas - - - - -	157
Reserve No. 4 - - - - -	197, 198	saline water, upper Brazos River basin - - -	184
Particle size of metal, relation to number of		saline-water resources, near El Paso - - - -	79
particles - - - - -	155	stratigraphy, Kent and Stonewall	
Pennsylvania, exploratory hole near Riegels-		Counties, Salt Croton and Croton	
ville, preliminary log - - - - -	89	Creek Valleys - - - - -	8
ground-water conditions, Shenango and		uranium-bearing rock, physical	
Stoneboro 15-minute quadrangles - - -	127	properties, Karnes County - - - - -	153
time-of-travel studies, Susquehanna River - -	85	water, availability in alluvium, near El Paso -	78
Peru, photoimage map - - - - -	259	Thailand, mineral investigations - - - - -	121
western, photomosaic from Gemini		Time-of-travel studies, Susquehanna River - - -	85
photography - - - - -	150	Turbulence, open channel flow - - - - -	154
Petroleum potential and geology, Atlantic		United States, surface faulting - - - - -	23
Coastal Plain and continental shelf - -	152	USSR, geology, soil, and climate - - - - -	191
Phosphate, Colombia - - - - -	43	Utah, geologic map, Morgan County,	
exploration, Colombia - - - - -	42	Morgan quadrangle - - - - -	167
Saudi Arabia - - - - -	199	geologic map, Morgan and Weber	
Phosphorite deposits, origin and prospecting		Counties, Odgen 4 NE quadrangle - - -	166
techniques - - - - -	40	Wasatch and Summit Counties, Heber	
Photoimage map of parts of Peru, Bolivia,		quadrangle - - - - -	28
and Chile - - - - -	259	Weber County, Causey Dam quadrangle - -	165

Utah--Continued

geologic section, Enterprise to Nevada	
Test Site - - - - -	11
Nimbus Vidicon image, hydrologic	
interpretation, Great Salt Lake - - - -	103
oil shale lands, map - - - - -	258
uranium deposits, holes and assay data,	
Grand County, Yellow Cat and	
Squaw Park areas - - - - -	158
UV scanner/photomultiplier, comparison with	
image orthicon - - - - -	95
Virginia, ground-water resources,	
Kanawha-New River basin - - - - -	124
well records, Northern Neck Peninsula,, - - -	201
Washington, geologic map, Raymond quadrangle -	265
geologic map, South Bend quadrangle - - - -	266

Washington--Continued

ground-water resources, Island County - - - -	5
maps, Columbia River Irrigation Project area -	17
Paterson Ridge pumped-storage site - - - -	283
water uses - - - - -	142
West Pakistan, chromite deposits, Nasi area - -	264
corrosion and encrustation in tube wells	
of Indus Plain - - - - -	45
geology of western limb of Hazara-	
Kashmir syntaxis - - - - -	34
West Virginia, ground-water resources,	
Kanawha-New River basin - - - - -	124
Wyoming, ground water for uranium	
exploration in southern Black Hills - - -	26
oil shale lands, map - - - - -	258