UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PLATE 5

ARIZONA

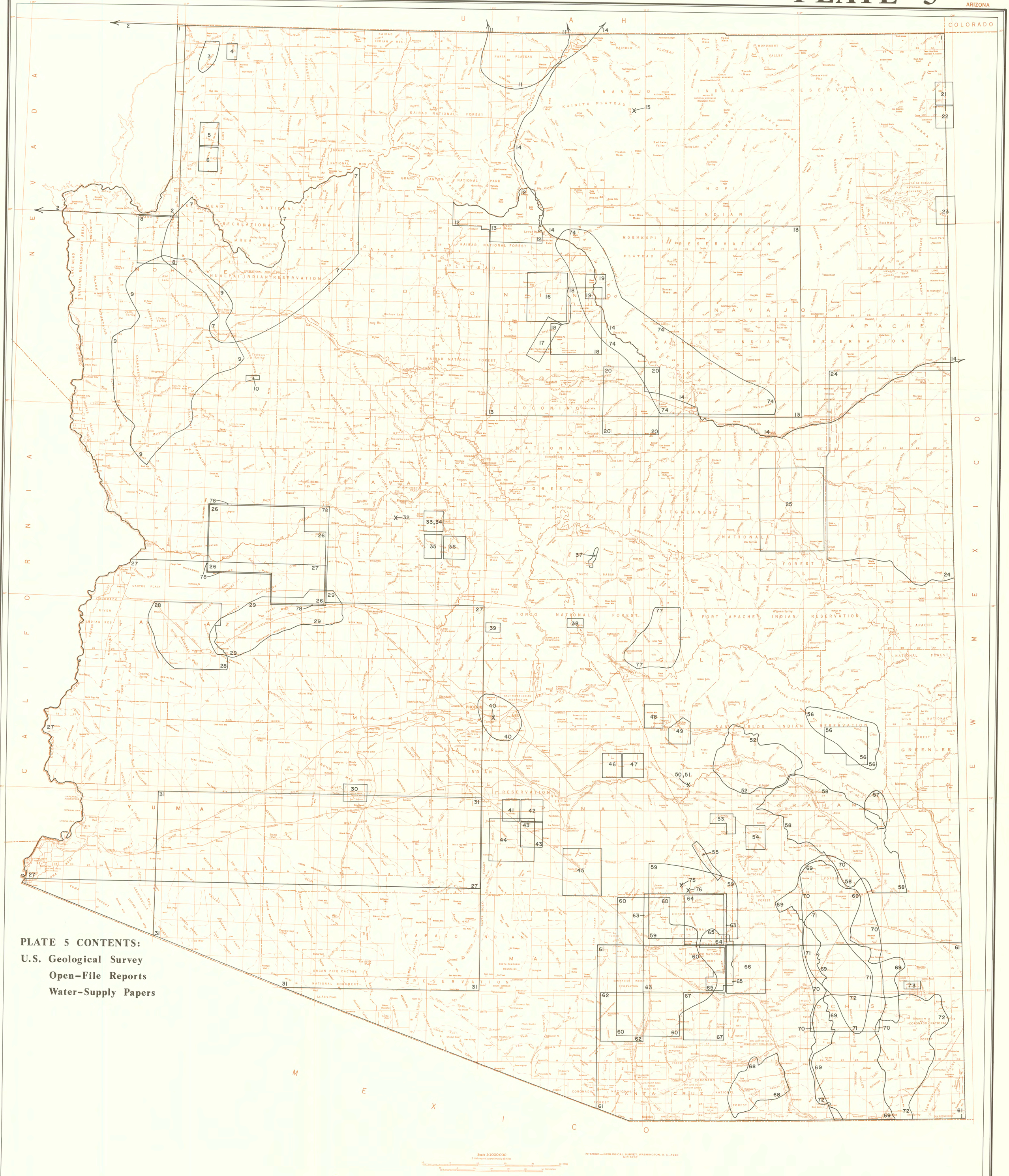

PLATE 5 CONTENTS:

U.S. Geological Survey

Open-File Reports

Water-Supply Papers

1. Cooley, M.E., 1977, Map of Arizona showing selected alluvial, structural, and geomorphic features: U.S. Geological Survey Open-File Report 77-343, scale 1:1,000,000.
2. Bohannon, R.G., 1978, Preliminary geologic map of the Las Vegas 1°x2° Quadrangle, Nevada, Arizona, and California: U.S. Geological Survey Open-File Report 78-670, scale 1:250,000.
3. Villalobos, H.A., and Hamm, L.W., 1980, Summary report of the mineral resource appraisal of the Paiute instant (primitive) study area, Mohave County, Arizona: U.S. Geological Survey Open-File Report 80-984, scale 1:24,000.
4. Throckmorton, M.L., 1980, Reconnaissance geologic map of the Turbinella-Gambel Oak instant study area, Mohave County, Arizona: U.S. Geological Survey Open-File Report 80-136, figure 1 scale 1:24,000.
5. Lucchitta, Ivo, and Beard, Sue, 1981, Preliminary geologic map of the Olaf Knolls Quadrangle, Mohave County, Arizona: U.S. Geological Survey Open-File Report 81-1322, scale 1:24,000.
6. _____, 1981, Preliminary geologic map of the Grand Gulch Bench Quadrangle, Mohave County, Arizona: U.S. Geological Survey Open-File Report 81-1321, scale 1:24,000.
7. Twenter, F.R., 1962, Geology and promising areas for ground-water development in the Hualapai Indian Reservation, Arizona: U.S. Geological Survey Water-Supply Paper 1576-A, plate 1 scale 1:125,000.
8. Blacet, P.M., 1975, Preliminary geologic map of the Garnet Mountain Quadrangle, Mohave County, Arizona: U.S. Geological Survey Open-File Report 75-93, scale 1:48,000.
9. Gillespie, J.B., and Bentley, C.B., 1971, Geohydrology of Hualapai and Sacramento Valleys, Mohave County, Arizona: U.S. Geological Survey Water-Supply Paper 1899-H, plate 1 scale 1:125,000.
10. Bowie, J.E., and Kam, William, 1968, Use of water by riparian vegetation, Cottonwood Wash, Arizona: U.S. Geological Survey Water-Supply Paper 1858, plate 1 scale 1:12,000.
11. Bush, A.L., and Lane, M.E., 1980, Preliminary report on the mineral resource potential of the Vermilion Cliffs-Paria Canyon instant study area, Coconino County, Arizona and Kane County, Utah: U.S. Geological Survey Open-File Report 80-1056, scale 1:62,500.
12. Metzger, D.G., 1961, Geology in relation to availability of water along the south rim, Grand Canyon National Park, Arizona: U.S. Geological Survey Water-Supply Paper 1475-C, plate 13 scale 1:125,000.
13. Ulrich, G.E., and others, 1979, Preliminary geologic map of the Flagstaff 1°x2° Quadrangle, Arizona: U.S. Geological Survey Open-File Report 79-294, scale 1:250,000.
14. Gregory, H.E., 1916, The Navajo Country—a geographic and hydrographic reconnaissance of parts of Arizona, New Mexico, and Utah: U.S. Geological Survey Water-Supply Paper 380, plate 2 scale 1:500,000.
15. Read, C.B., Sample, R.D., and Sullwold, H.H., Jr., 1943, Geology and topography of the White Mesa copper district, Coconino County, Arizona: U.S. Geological Survey Open-File Report, scale 1:6,000.
16. Ulrich, G.E., and Bailey, N.G., 1974, Geologic map of the S P Mountain Quadrangle, Coconino County, Arizona: U.S. Geological Survey Open-File Report 74-5, scale 1:24,000.
17. Schaber, G.G., 1966, Radar images—San Francisco volcanic field, Coconino County, Arizona—a preliminary evaluation: U.S. Geological Survey Open-File Report, image scale 1:200,000; S P Crater photogeologic map scale 1:58,000.
18. Cosner, O.J., 1962, Ground water in the Wupatki and Sunset Crater National Monuments, Arizona: U.S. Geological Survey Water-Supply Paper 1475-J, plate 20 scale 1:63,360.
19. Haines, D.V., and Bowles, C.B., 1976, Preliminary geologic map of the Wupatki NE Quadrangle, Arizona: U.S. Geological Survey Open-File Report 76-703, plate 1 scale 1:33,000.
20. Shoemaker, E.M., 1959, Impact mechanics at Meteor Crater: U.S. Geological Survey Open-File Report, figure 1 scale 1:200,000; with detailed map.
21. Huffman, C.A., 1977, Preliminary geologic map of the Red Rock Valley NE Quadrangle, Apache County, Arizona and San Juan County, New Mexico: U.S. Geological Survey Open-File Report 77-227, scale 1:24,000.
22. Huffman, C.A., and Jones, T.W., 1978, Preliminary geologic map of the Redrock Valley SE Quadrangle, Apache County, Arizona and San Juan County, New Mexico: U.S. Geological Survey Open-File Report 78-404, scale 1:24,000.
23. Byers, V.P., 1980, Geologic map and sections of the Sonsela Butte 4 SE Quadrangle, Apache County, Arizona and San Juan and McKinley Counties, New Mexico: U.S. Geological Survey Open-File Report 80-788, scale 1:24,000.
24. Akers, J.P., 1964, Geology and ground water in the central part of Apache County, Arizona: U.S. Geological Survey Water-Supply Paper 1771, plate 11 scale 1:125,000.
25. Johnson, P.W., 1962, Water in the Coconino Sandstone for the Snowflake-Hay Hollow area, Navajo County, Arizona: U.S. Geological Survey Water-Supply Paper 1539-S, plate 1 scale 1:125,000.
26. Otton, J.K., 1981, Geology and genesis of the Anderson Mine, a carbonaceous lacustrine uranium deposit, western Arizona: a summary report: U.S. Geological Survey Open-File Report 81-780, map on p. 5, scale 1:450,000.
27. Ross, C.P., 1923, The lower Gila region, Arizona, a geographic, geologic, and hydrologic reconnaissance with a guide to desert watering places: U.S. Geological Survey Water-Supply Paper 498, 273 p., plate 6 scale 1:500,000.
28. Metzger, D.G., 1951, Geology and ground-water resources of the northern part of the Ranegras Plain, Yuma County, Arizona: U.S. Geological Survey Open-File Report, plate 1 scale 1:62,500.
29. Kam, William, 1964, Geology and ground-water resources of McMullen Valley, Maricopa, Yavapai, and Yuma Counties, Arizona: U.S. Geological Survey Water-Supply Paper 1665, plate 1 scale 1:127,000.
30. Heindl, L.A., and Armstrong, C.A., 1963, Geology and ground-water conditions in the Gila Bend Indian Reservation, Maricopa County, Arizona: U.S. Geological Survey Water-Supply Paper 1647-A, figure 4 scale 1:95,000.
31. Kahle, Katherine, Conway, Dyan, and Haxel, Gordon, 1978, Preliminary geologic map of the Ajo 1°x2° Quadrangle, Arizona: U.S. Geological Survey Open-File Report 78-1096, scale 1:250,000.
32. Anderson, C.A., 1943, Loma Prieta Mine, Copper Basin, Yavapai County, Arizona: U.S. Geological Survey Open-File Report, scale 1:2,400.
33. Creasey, S.C., 1950, Geology of the Humboldt region and the Iron King mine, Big Bug mining district, Yavapai County, Arizona: U.S. Geological Survey Open-File Report, plate 1 scale 1:24,000.
34. Anderson, C.A., and Blacet, P.M., 1962, Preliminary geologic map of the NE 1/4 of Mount Union Quadrangle, Yavapai County, Arizona: U.S. Geological Survey Open-File Report, scale 1:24,000.
35. Blacet, P.M., 1968, Geologic map of the SE 1/4 Mount Union Quadrangle, Yavapai County, Arizona: U.S. Geological Survey Open-File Report, scale 1:24,000.
36. Anderson, C.A., 1967, Preliminary geologic map of SW 1/4 Mayer Quadrangle, Yavapai County, Arizona: U.S. Geological Survey Open-File Report, scale 1:24,000.
37. Feth, J.H., and Hem, J.D., 1963, Reconnaissance of headwater springs in Gila River drainage basin, Arizona: U.S. Geological Survey Water-Supply Paper 1619-H, plate 1 scale 1:500,000; plate 4 scale 1:62,500.
38. McAllister, J.F., 1955, Geologic maps of the Ord quicksilver area, Mazatzal Mountains, Arizona: U.S. Geological Survey Open-File Report, scale 1:2,400.
39. Gomez, Ernest, 1979, Geology of part of the south-central New River Mesa Quadrangle, Cave Creek area, Maricopa County, Arizona: U.S. Geological Survey Open-File Report 79-1312, figure 1 scale 1:12,000.
40. Lee, W.T., 1905, Underground waters of Salt River Valley, Arizona: U.S. Geological Survey Water-Supply Paper 136, plate 7 scale 1:96,000; with detailed maps.
41. Bergquist, J.R., and Blacet, P.M., 1979, Preliminary reconnaissance bedrock geologic map of the Casa Grande West Quadrangle, Pinal County, Arizona: U.S. Geological Survey Open-File Report 79-390, scale 1:24,000.
42. _____, 1979, Preliminary reconnaissance bedrock geologic map of the Casa Grande East Quadrangle, Pinal County, Arizona: U.S. Geological Survey Open-File Report 79-391, scale 1:24,000.
43. _____, 1978, Preliminary reconnaissance bedrock geologic map of part of the Casa Grande Mountains Quadrangle, Pinal County, Arizona: U.S. Geological Survey Open-File Report 78-547, scale 1:24,000.
44. Yost, C.B., Jr., 1953, Geological reconnaissance to determine ground-water resources of Chiu Chuischu area, Papago Indian Reservation, Arizona: U.S. Geological Survey Open-File Report, plate 2 scale 1:62,500.
45. Feth, J.H., 1951, Structural reconnaisssance of the Red Rock Quadrangle: U.S. Geological Survey Open-File Report, figure 1 scale 1:62,500.
46. Theodore, T.G., and others, 1978, Preliminary geologic map of the Mineral Mountain 7-1/2-minute Quadrangle, Arizona: U.S. Geological Survey Open-File Report 78-468, scale 1:24,000.
47. Creasey, S.C., Gambell, N.A., and Peterson, D.W., 1974, Preliminary geologic map of the Teapot Mountain Quadrangle, Pinal County, Arizona: U.S. Geological Survey Open-File Report 75-314, scale 1:24,000.
48. Peterson, N.P., and others, 1953, Geologic map of the Inspiration Quadrangle, Gila County, Arizona: U.S. Geological Survey Open-File Report, scale 1:24,000.
49. Hazen, G.E., and Turner, S.F., 1946, Geology and ground-water resources of the upper Pinal Creek area, Arizona: U.S. Geological Survey Open-File Report, plate 1 scale 1:56,000.
50. Peterson, N.P., and Swanson, R.W., 1946, The Christmas Copper Mine, Gila County, Arizona: U.S. Geological Survey Open-File Report, mine map scale 1:12,000.
51. Koski, R.A., 1971, Geology and porphyry copper-type alteration-mineralization of igneous rocks at the Christmas mine, Gila County, Arizona: U.S. Geological Survey Open-File Report 79-844, scale 1:5,000.
52. Schwennesen, A.T., 1921, Geology and water resources of the Gila and San Carlos Valleys in the San Carlos Indian Reservation, Arizona: U.S. Geological Survey Water-Supply Paper 450, plate 2 scale 1:250,000.
53. Krieger, M.H., Johnson, M.G., and Bigsby, P.R., 1979, Mineral resources of the Aravaipa Canyon designated wilderness area, Pinal and Graham Counties, Arizona: U.S. Geological Survey Open-File Report 79-291, scale 1:24,000.
54. Simons, F.S., 1961, Geologic map of the Klondyke Quadrangle, Graham County, Arizona: U.S. Geological Survey Open-File Report, scale 1:48,000.
55. Page, H.G., 1963, Water regime of the inner valley of the San Pedro River near Mammoth, Arizona (a pilot study): U.S. Geological Survey Water-Supply Paper 1669-1, plate 1 scale 1:48,000.
56. Bromfield, C.S., and others, 1972, Geological and geophysical investigations of an Apollo 9 photo anomaly near Point of Pines, Arizona: U.S. Geological Survey Open-File Report, figures 2 and 3 scale 1:24,000.
57. Heindl, L.A., and McCullough, R.A., 1961, Geology and the availability of water in the lower Bonita Creek area, Graham County, Arizona: U.S. Geological Survey Water-Supply Paper 1589, plate 1 scale 1:48,000.
58. Knechtel, M.M., 1938, Geology and ground-water resources of the valley of the Gila River and San Simon Creek, Graham County, Arizona: U.S. Geological Survey Water-Supply Paper 796-F, plate 46 scale 1:96,000.
59. Creasey, S.C., and others, 1976, Middle Tertiary plutonism in the Santa Catalina and Tortolita Mountains, Arizona: U.S. Geological Survey Open-File Report 76-262, figure 1 scale 1:235,000.
60. Davidson, E.S., 1973, Geohydrology and water resources of the Tucson basin, Arizona: U.S. Geological Survey Water-Supply Paper 1939-E, plate 1 scale 1:62,500.
61. Drewes, Harald, 1979, Tectonic map of southeast Arizona: U.S. Geological Survey Open-File Report 79-775, 2 sheets scale 1:125,000.
62. Finnell, T.L., 1962, Preliminary geologic map of the Twin Buttes Quadrangle, Pima County, Arizona: U.S. Geological Survey Open-File Report, scale 1:48,000.
63. Moore, B.N., and Tolman, C.F., Jr., with contributions by Butler, B.S., and Hernon, R.M., 1941, Geology of the Tucson Quadrangle: U.S. Geological Survey Open-File Report, scale 1:125,000.
64. Creasey, S.C., and Theodore, T.G., 1975, Preliminary reconnaissance geologic map of the Bellota Ranch 15-minute Quadrangle, Arizona: U.S. Geological Survey Open-File Report 75-295, scale 1:31, 680.
65. Thorman, C.H., Drewes, Harald, and Lane, M.E., 1978, Mineral resources of the Rincon wilderness study area, Pima County, Arizona: U.S. Geological Survey Open-File Report 78-596, scale 1:48,000.
66. Drewes, Harald, 1972, Preliminary geologic map of the Happy Valley Quadrangle, Cochise County, Arizona: U.S. Geological Survey Open-File Report, scale 1:48,000.
67. Finnell, T.L., 1971, Preliminary geologic map of Empire Mountains Quadrangle, Pima County, Arizona: U.S. Geological Survey Open-File Report, scale 1:48,000.
68. Brown, S.G., and others, 1966, Water resources of Fort Huachuca Military Reservation, southeastern Arizona: U.S. Geological Survey Water-Supply Paper 1819-D, plate 1 scale 1:62,500.
69. Meinzer, O.E., and Kelton, F.C., 1913, Geology and water resources of Sulphur Spring Valley, Arizona: U.S. Geological Survey Water-Supply Paper 320, plate 1 scale 1:250,000.
70. Brown, S.G., and Schumann, H.H., 1969, Geohydrology water utilization in the Willcox basin, Graham and Cochise Counties, Arizona: U.S. Geological Survey Water-Supply Paper 1859-F, plate 1 scale 1:250,000.
71. Jones, R.S., and Cushman, R.L., 1947, Geology and ground-water resources of the Willcox Basin, Cochise and Graham Counties, Arizona: U.S. Geological Survey Open-File Report, plate 1 scale 1:250,000.
72. Coates, D.R., and Cushman, R.L., 1955, Geology and ground-water resources of the Douglas basin, Arizona: U.S. Geological Survey Water-Supply Paper 1354, plate 1 scale 1:253,440.
73. Johnson, P.W., 1962, Availability of additional water for Chiricahua National Monument, Cochise County, Arizona: U.S. Geological Survey Water-Supply Paper 1475-H, plate 17 scale 1:15,000.
74. Hereford, Richard, 1979, Preliminary geologic map of the Little Colorado river valley between Cameron and Winslow, Arizona: U.S. Geological Survey Open-File Report 79-1574, scale 1:250,000.
75. Bateman, P.C., and Erickson, M.P., 1944, Maudina and Morning Star tungsten mines, Pinal County, Arizona: U.S. Geological Survey Open-File Report, scale 1:480.
76. Peterson, N.P., and Creasey, S.C., 1943, Some copper deposits in the Old Hat mining district, Pima County, Arizona: U.S. Geological Survey Open-File Report, 2 maps scale 1:1,200.
77. Duval, J.S., and Pitkin, J.A., 1980, Aerial and radiometric and magnetic survey of the Sierra Ancha wilderness, Salome study area, Gila County, Arizona: U.S. Geological Survey Open-File Report 80-2004 (text plus 8 maps); plate 1 scale 1:48,000.
78. Otton, J.K., 1981, Structural geology of the Date Creek Basin area, west-central Arizona: U.S. Geological Survey Open-File Report 81-503, figure 1 scale 1:350,000.