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SAN BERNARDINO QUADRANGLE---MAP NO. 3A (GEOLOGY)
SHEET 3 OF 5

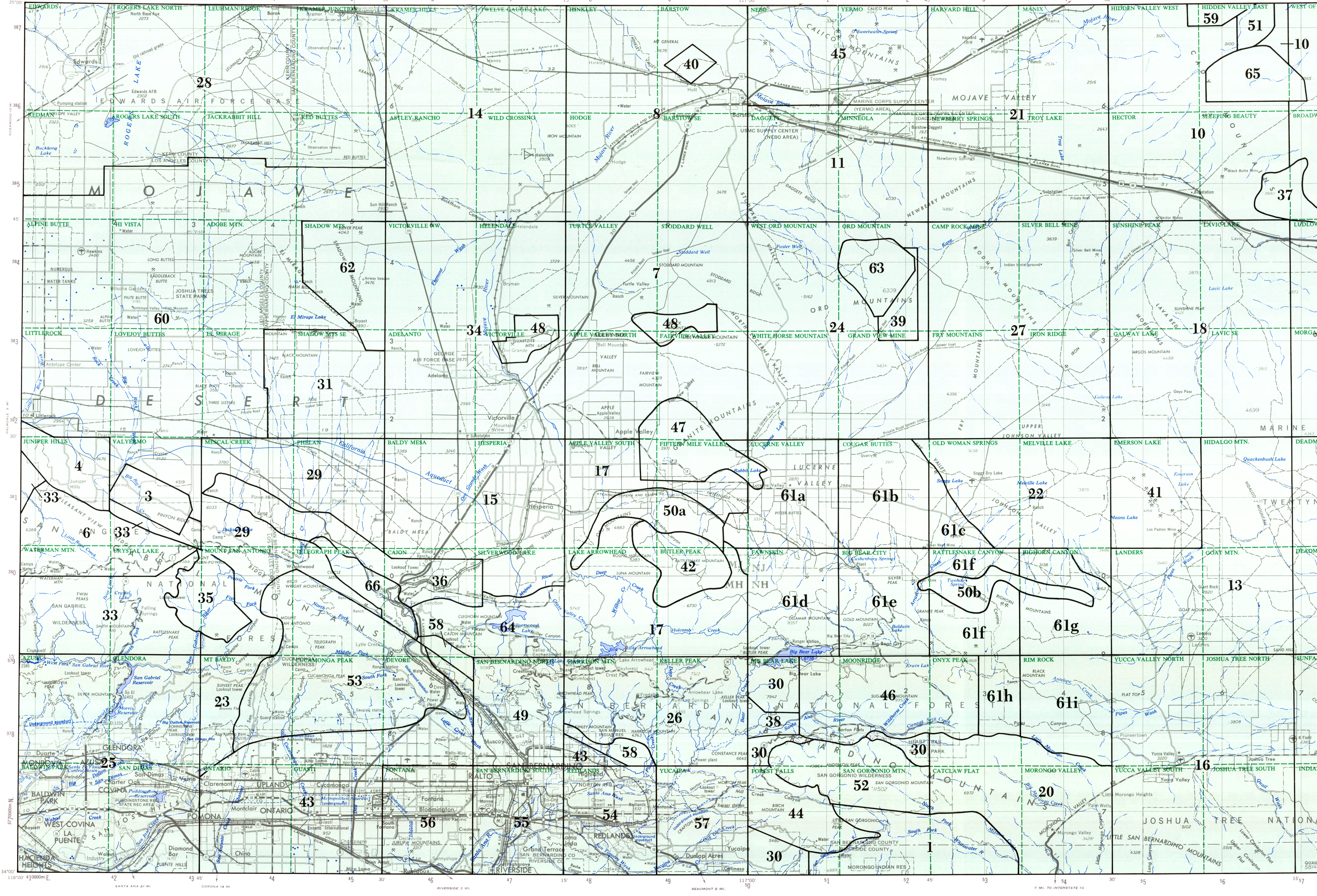
1. Allen, C.R., 1957, San Andreas fault zone in San Gorgonio Pass, southern California: Geological Society of America Bulletin, v. 68, no. 3, p. 315-350, Plate 1, scale 1:63,360. Also *in* Geology of southern California: California Division of Mines Bulletin 170, 1954, map sheet 20: Geology of the north side of San Gorgonio Pass, scale 1:62,500. (Local additions and modifications by T.W. Dibblee, reference no. 20 and 30; Matti, J.C., Cox, B.F., Obi, C.M., Powell, R.E., Hinkle, M.E., Griscom, A., and McHugh, E.L., 1982, Mineral resource potential map of the Whitewater Wilderness Study Area, Riverside and San Bernardino Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map, MF 1478-A, scale 1:24,000; and Farley, T., 1979, Geology of a part of northern San Gorgonio Pass, California: California State University, Los Angeles, M.S. thesis, scale 1:24,000.
2. Bacheller, J., III, 1978, Quaternary geology of the Mojave Desert—eastern Transverse Ranges boundary in the vicinity of Twentynine Palms, California: University of California, Los Angeles, unpublished M.S. thesis, scale 1:24,000.
3. Barrows, A.G., 1979, Geology and fault activity of the Valyermo segment of the San Andreas fault zone, Los Angeles County, California: California Division of Mines and Geology Open File Report, OFR 79-1 LA, Plate 1, scale 1:12,000.
4. Barrows, A.G., 1980, Geologic map of the San Andreas fault zone and adjoining terrane, Juniper Hills, California: California Division of Mines and Geology Open File Report, OFR 80-2 LA, Plate 1, scale 1:9600.
5. Casey, B.J., 1981, Geology of a portion of the northwestern Bristol Mountains, San Bernardino County, California: University of California, Riverside, unpublished M.S. thesis, in progress, Plate 1, scale 1:20,-000.
6. Cox, B.F., and Powell, R.E., 1983 Geologic map of the Pleasant View Roadless area, Los Angeles County: U.S. Geological Survey Miscellaneous Field Studies Map, scale 1:62,500 (in preparation).
7. Dibblee, T.W., Jr., 1960, Preliminary geologic map of the Apple Valley quadrangle, California: U.S. Geological Survey Mineral Investigations Field Studies Map MF-232, scale 1:62,500.
Bowen, O.E., Jr., 1954, Geology and mineral deposits of the Barstow quadrangle, San Bernardino County, California: California Division of Mines Bulletin 165, Plate 1, scale 1:125,000.
*8. Dibblee, T.W., Jr., 1960, Geologic map of the Barstow quadrangle, San Bernardino County, California: U.S. Geological Survey Mineral Investigations Field Studies Map MF-233, scale 1:62,500.
Bowen, O.E., Jr., 1954, Geology and mineral deposits of the Barstow quadrangle, San Bernardino County, California: California Division of Mines Bulletin 165, Plate 1, scale 1:125,000.
+9. Dibblee, T.W., Jr., 1967, Geologic map of the Broadwell Lake quadrangle, San Bernardino County, California: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-478, scale 1:62,500.
*+10. Dibblee, T.W., Jr., and Bassett, A.M., 1966, Geologic map of the Cady Mountains quadrangle, San Bernardino County, California: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-467, scale 1:62,500. (For geologic map of the type area of the Hector Formation, southwestern Cady Mountains see: Woodburne, M.O., Tedford, R.H., Stevens, M.S., and Taylor, B.E., 1974, Early Miocene mammalian faunas, Mojave Desert, California: Journal of Paleontology, v. 48, no. 1, p. 6-26, Figure 2, scale 1:15,000.)
*+11. Dibblee, T.W., Jr., 1970, Geologic map of the Daggett quadrangle, San Bernardino County, California: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-592, scale 1:62,500. (For structural interpretation of Newberry Mountains see: Dokka, R.K., 1980, Late Cenozoic tectonics of the central Mojave Desert, California: University of Southern California, unpublished Ph.D. thesis, Plate I, scale 1:24,000.)
*+12. Dibblee, T.W., Jr., 1967, Geologic map of the Deadman Lake quadrangle, San Bernardino County, California: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-488, scale 1:62,500.
*13. Dibblee, T.W., Jr., 1967, Geologic map of the Emerson Lake quadrangle, San Bernardino County, California: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-490, scale 1:62,500. (Homestead Valley fault from: Hill, R.L., Treiman, J.A., Given, J.W., Pechmann, J.C., McMillan. J.R., Ebel, J.E., 1980, Geologic study of the Homestead Valley earthquake swarm of March 15, 1979: California Geology, v. 33, no. 3, p. 60-67.)
*14. Dibblee, T.W., Jr., 1960, Geologic map of the Hawes quadrangle, San Bernardino County, California: U.S. Geological Survey Mineral Investigations Field Studies Map MF-226, scale 1:62,500.
Bowen, O.E., Jr., 1954, Geology and mineral deposits of the Barstow quadrangle, San Bernardino County, California: California Division of Mines Bulletin 165, Plate 1, scale 1:125,000.
Fault in NE part of Hawes quadrangle from: Page, R.W., and Moyle, W.R., 1960, Data on water wells in the eastern part of the middle Mojave Valley area, San Bernardino County, California: State of California, Department of Water Resources Bulletin 91-3, Figure 2, scale 1:62,500.
15. Dibblee, T.W., Jr., 1965, Geologic map of the Hesperia quadrangle, San Bernardino County, California: U.S. Geological Survey Open File Report 65-43, scale 1:62,500.
*16. Dibblee, T.W., Jr., 1967, Geologic map of the Joshua Tree quadrangle, San Bernardino and Riverside Counties, California: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-516, scale 1:62,-500. Fault additions by: Bader, J.S., and Moyle, W.R., Jr., 1960, Data on water wells and springs in the Yucca Valley—Twentynine Palms area, San Bernardino and Riverside Counties, California: State of California, Department of Water Resources Bulletin 91-2, Figure 2, scale 1:62,500. (Also see: Grimes, G.J., 1981, Geologic map of part of the Yucca Valley area: unpublished map for the California Division of Mines and Geology Data Base Augmentation Program, scale 1:24,000.)
17. Dibblee, T.W., Jr., 1973, Geologic map of the Lake Arrowhead quadrangle, San Bernardino County, California: U.S. Geological Survey Open File Map, scale 1:62,500.
*+18. Dibblee, T.W., Jr., 1966, Geologic map of the Lavic quadrangle, San Bernardino County, California: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-472, scale 1:62,500. (Galway Lake fault from: Hill, R.L., and Beeby, D.J., 1977, Surface faulting associated with the 5.2 magnitude Galway Lake earthquake of May 31, 1975, Mojave Desert, San Bernardino County, California: Geological Society America Bulletin, v. 88, p. 1378-1384.)
+19. Dibblee, T.W., Jr., 1967, Geologic map of the Ludlow quadrangle, San Bernardino County, California: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-477, 1:62,500. (Also see: Butler, T.F., 1979, Stratigraphy, petrography and hydrothermal alteration in the Stedman mining district, Mojave Desert, California: University of California, Santa Barbara, M.A. thesis, scale 1:12,000.)
20. Dibblee, T.W., Jr., 1967, Geologic map of the Morongo Valley quadrangle, San Bernardino and Riverside Counties California: U.S. Geologic Survey Miscellaneous Geologic Investigations Map I-517, scale 1:62,-500. (Fault additions by: Bader, J.S., and Moyle, W.R., Jr., 1960, Data on water wells and springs in the Yucca Valley—Twentynine Palms area, San Bernardino and Riverside Counties, California: State of California, Department of Water Resources Bulletin 91-2, Figure 2, scale 1:62,500.)
*+21. Dibblee, T.W., Jr., and Bassett, A.M., 1966, Geologic map of the Newberry quadrangle, San Bernardino County, California: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-461, scale 1:62,-500. (For structural interpretation of Newberry Mountains see: Dokka, R.K., 1980, Late Cenozoic tectonics of the central Mojave Desert, California: University of Southern California, unpublished Ph.D. thesis, Plate I, scale 1:24,000. For Newberry Mountain stratigraphy see: Nason, G.W., 1978, Geology of a portion of the northern Newberry Mountains, San Bernardino County, California: California State University, Los Angeles, unpublished M.S. thesis, scale 1:24,000.)
*22. Dibblee, T.W., Jr., 1967, Geologic map of the Old Woman Springs quadrangle, San Bernardino County, California: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-518, scale 1:62,500.
23. Dibblee, T.W., Jr., 1971, Geologic map of the Ontario quadrangle, California: U.S. Geological Survey unpublished map, scale 1:62,500. Selected larger landslides from: Morton, D.M., and Streitz, R., 1969, Preliminary reconnaissance map of major landslides, San Gabriel Mountains, California: California Division of Mines and Geology Map Sheet 15, scale 1:62,500.)
Also see: Evans, J.G., 1982, Geology of the Sheep Mountain Wilderness Study Area and the Cucamonga Wilderness and additions, Los Angeles and San Bernardino Counties, *in* Mineral resources of the Sheep Mountain Wilderness Study Area and the Cucamonga Wilderness additions, Los Angeles and San Bernardino Counties, California: U.S. Geological Survey Bulletin 1506 A-E, 92 p.
*24. Dibblee, T.W., Jr., 1964, Geologic map of the Ord Mountains quadrangle, San Bernardino County, California: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-427, scale 1:62,500.
25. Dibblee, T.W., Jr., 1967, Geologic map of the Pomona quadrangle, Los Angeles County, California: U.S. Geological Survey unpublished map, scale 1:62,500. (Selected larger landslides from: Morton, D.M., and Streitz, R., 1969, Preliminary reconnaissance map of major landslides, San Gabriel Mountains, California: California Division of Mines and Geology Map Sheet 15, scale 1:62,500. Fault additions in north LaVerne area from: Chase, E.D., Geotechnical study for portions of City of La Verne: Leighton and Associates unpublished report, October 1980. Fault additions in Puente Hills from: Spittler, T.E., 1979, U.S. Geological Survey unpublished mapping, scale 1:24,000. Duarte fault adopted from: Crook, R., Jr., Allen, C.R., Kramb, B., Payne, C.M., Proctor, R.J., Quaternary geology and seismic hazard of the Sierra Madre and associated faults, western San Gabriel Mountains, California: U.S. Geological Survey Professional Paper in preparation, 1983.)
Also see: Evans, J.G., 1982, Geology of the Sheep Mountain Wilderness Study Area and the Cucamonga Wilderness and additions, Los Angeles and San Bernardino Counties, *in* Mineral resources of the Sheep Mountain Wilderness Study Area and the Cucamonga Wilderness and additions, Los Angeles and San Bernardino Counties, California: U.S. Geological Survey Bulletin 1506 A-E, 92 p.
Morton, D.M., 1973, Geology of parts of the Azusa and Mount Wilson quadrangles, California: California Division of Mines and Geology Special Report 105, Plate 2.
Shelton, J.S., 1955, Geologic map of Glendora volcanic rocks Los Angeles basin, California: Geological Society of America Bulletin, v. 66, no. 1, pp. 45-90, Plate 1, 1:24,000.
Streitz, R., 1967, Geologic maps of the SW1 4 and SE1 4 of the Glendora quadrangle, California: California Division of Mines and Geology Open File Maps 64-1 LA and 66-1 LA, scale 1:9600.
26. Dibblee, T.W., Jr., 1968, Geologic map of the Redlands quadrangle, California: U.S. Geological Survey Open File Map, scale 1:62,500.
*27. Dibblee, T.W., Jr., 1964, Geologic map of the Rodman Mountains quadrangle, San Bernardino County, California:: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-430, scale 1:62,500.
28. Dibblee, T.W., Jr., 1960, Geology of the Rodgers Lake and Kramer quadrangles, California: U.S. Geological Survey Bulletin 1089-B, p. 73-139, Plate 8, scale 1:62,500.
29. Dibblee, T.W., Jr., 1971, Geologic map of the San Antonio quadrangle, California: U.S. Geological Survey unpublished map, scale 1:62,500. (Selected larger landslides from: Morton, D.M., and Streitz, R., 1969, Preliminary reconnaissance map of major landslides, San Gabriel Mountains, California: California Division of Mines and Geology Map Sheet 15, scale 1:62,500; Wrightwood mudflow from: Sharp, R.P., and Nobles, L.H., 1953, Mudflow of 1941 at Wrightwood, southern California: Geological Society of America Bulletin, v. 64, p. 547-560.)
Also see: Evans, J.G., 1982, Geology of the Sheep Mountain Wilderness Study Area and the Cucamonga Wilderness and additions, Los Angeles and San Bernardino Counties, *in* Mineral resources of the Sheep mountain Wilderness Study Area and the Cucamonga Wilderness and additions, Los Angeles and San Bernardino Counties California: U.S. Geologcal Survey Bulletin 1506 A-E, 92 p. Jacobson, C.E., 1980, Deformation and metamorphism of the Pelona Schist beneath the Vincent thrust, San Gabriel Mountains, California: University of California, Los Angeles unpublished Ph.D. thesis, 231 p., Plate 1, scale 1:24,000. Also: Jacobson, C.E., 1983, Structural geology of the Pelona Schist and Vincent thrust, San Gabriel Mountains, California: Geological Society of American Bulletin, v. 94, p. 753-767.
30. Dibblee, T.W., Jr., 1964, Geologic map of the San Gorgonio Mountain quadrangle, San Bernardino and Riverside Counties, California: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-431, scale 1:62,500. (Local modifications by Jacobs, S.E., reference no. 38.)
31. Dibblee, T.W., Jr., 1960, Preliminary geologic map of the Shadow Mountains quadrangle, Los Angeles and San Bernardino Counties, California: U.S. Geological Survey Mineral Investigations Field Studies Map MF-227, scale 1:62,500.
32. Dibblee, T.W., Jr., 1968, Geologic map of the Twentynine Palms quadrangle, San Bernardino and Riverside Counties, California: U.S. Geological Survey Miscellaneous Geologic Investigations Map I-561, scale 1:62,500. (Fault additions by: Bader, J.S., and Moyle, W.R., Jr., 1960, Data on water wells and springs in the Yucca Valley—Twentynine Palms area, San Bernardino and Riverside Counties, California: State of California, Department of Water Resources Bulletin 91-2, Figure 2, scale 1:62,500.)
33. Dibblee, T.W., Jr., 1971, Geologic map of the Valyermo quadrangle, Los Angeles County, California: U.S. Geological Survey, unpublished map, scale 1:62,500. (Selected larger landslides from: Morton, D.M., and Streitz, R., 1969, Preliminary reconnaissance map of major landslides, San Gabriel Mountains, California: California Division of Mines and Geology Map Sheet 15, scale 1:62,500.)
Also see: Crowder, D.F., 1967, Mineral resources of the Devil Canyon-Bear Canyon Primitive Area, California: U.S. Geological Survey Bulletin 1230-G, 21 p. Noble, L.F., 1954, Geology of the Valyermo quadrangle and vicinity, California: U.S. Geological Survey Geologic Quadrangle Maps of the United States GQ-50, scale 1:24,000. Evans, J.G., 1982, Geology of the Sheep Mountain Wilderness Study Area and the Cucamonga Wilderness and additions, Los Angeles and San Bernardino Counties, *in* Mineral resources of the Sheep Mountain Wilderness Study Area and the Cucamonga Wilderness and additions, Los Angeles and San Bernardino Counties, California: U.S. Geological Survey Bulletin 1506 A-E, 92 p. Jacobson, C.E., 1980, Deformation and metamorphism of the Pelona Schist beneath the Vincent thrust, San Gabriel Mountains, California: University of California, Los Angeles unpublished Ph.D. thesis, 231 p., Plate 1, scale, 1:24,000. Also: Jacobson, C.E., 1983, Structural geology of the Pelona Schist and Vincent thrust, San Gabriel Mountains, California: Geological Society of American Bulletin, v. 94, p. 753-767.
*+34. Dibblee, T.W., Jr., 1960, Preliminary geologic map of the Victorville quadrangle, California: U.S. Geological Survey Mineral Investigations Field Studies Map MF-229, scale 1:62,500.
Bowen, O.E., Jr., 1954, Geology and mineral deposits of the Barstow quadrangle, San Bernardino County, California: California Division of Mines Bulletin 165, Plate 1, scale 1:125,000.
35. Ehlig, P.L., 1983, Geologic map of part of the Crystal Lake and Mount San Antonio quadrangles, unpublished map, scale 1:24,000.
36. Foster, J.H., 1980, Late Cenozoic tectonic evolution of Cajon Valley, southern California: University of California, Riverside, unpublished Ph.D. thesis, scale 1:24,000. (Also Foster, J.H., 1982, Late Cenozoic tectonic evolution of Cajon Valley, southern California, p. 67-73, *in* Geologic excursions in the Transverse Ranges: Geological Society of America guidebook prepared for Cordilleran Section 78th Annual Meeting, Anaheim, California.
37. Glazner, A., 1981, Cenozoic evolution of the Mojave block and adjacent areas: University of California, Los Angeles, unpublished Ph.D. thesis, Plate 1, Geologic map of the Sleeping Beauty area, Cady Mountains, Mojave Desert, California, scale 1:12,672.
38. Jacobs, S.E., 1982, Geology of a part of the upper Santa Ana River Valley, San Bernardino Mountains, San Bernardino County, California: California State University, Los Angeles, M.S. thesis in preparation, scale 1:24,000.
39. Karish, C.R., 1982, Geology of part of the Ord Mountains, San Bernardino County, California: unpublished map for the California Division of Mines and Geology Data Base Augmentation Program, scale 1:24,-000. Also thesis work in progress Stanford University, 1983.
40. Kiser, N.L., 1981, Stratigraphy, structure, and metamorphism in the Hinkley Hills, Barstow, California: unpublished map for the California Division of mines and Geology Data Base Augmentation Program, scale 1:12,000. Also Stanford University, unpublished M.S. thesis, 1981.
*41. Knauer, L.C., 1981, Geology of the Emerson Lake quadrangle, San Bernardino County, California: unpublished map for the California Division of Mines and Geology Data Base Augmentation Program, scale 1:24,000. Also University of California, Los Angeles unpublished M.S. thesis, 1982.
42. MacColl, R.S., 1964, Structural geology of the Rattlesnake Mountain pluton, southern California: Geological Society of America Bulletin, v. 75, no. 9, p. 805-822, Plate 1, scale approximately 1:36,200. (Local additions by T.W., Dibblee. reference no. 17).
43. Matti, J.C., and Carson, S.E., compilers, 1983, Preliminary map of surficial sedimentary materials within the Redlands, San Bernardino, and Ontario 15 minute quadrangles compiled from aerial photo interpretation and from published and unpublished geologic mapping by: Morton, D.M., Matti, J.C., Cox, B.F., Carson, S.E., and Miller, F.K., unpublished work in progress, U.S. Geological Survey, scale 1:24,000.
44. Matti, J.C., Cox, B.F., and Iverson, S.R., 1983, Mineral resource potential map of the Raywood Flat Roadless Area, San Bernardino and Riverside Counties, California: U.S. Geological Survey Miscellaneous Field Studies Map MF—, scale 1:62,500.
45. McCulloh, T.W., 1965, Geologic map of the Nebo and Yermo quadrangles, San Bernardino County, California: U.S. Geological Survey Open File Map 65-107, scale 1:24,000. Possible concealed fault in alluvium on west side of Calico Mountains from Weber, F.H., personal communication, March 23, 1983.)
46. McJunkin, R.D., 1976, Geology of the central San Bernardino Mountains, San Bernardino County, California: California State University, Los Angeles, unpublished M.S. thesis, scale 1:24,000. Powell, R.E., Matti, J.C., Cox, B.F., and Morton, D.M., 1982, U.S. Geological Survey unpublished map of part of the Moonridge quadrangle, scale 1:24,000. Stout, M.L., 1976, Barton Flats landslide, *in* Geologic guide to the San Bernardino Mountains: Association of Engineering Geologists Annual Spring Field trip, p. 65-67.
Also see: Sadler, P.M., 1981, reference no. 61; and Strathouse, E.C., 1981, The structure and stratigraphy of the Santa Ana Sandstone, San Gorgonio Mountain quadrangle, San Bernardino County, California: unpublished map for the California Division of Mines and Geology Data Base Augmentation Program, scale 1:24,000. Also: Strathouse, E.C., 1982, The Santa Ana Sandstone (Miocene, in part) and evidence for late Cenozoic orogenesis in the San Bernardino Mountains, p. 97-102, *in* Geologic excursions in the Transverse Ranges: Geological Society of America guidebook prepared for the Cordilleran Section 78th annual meeting, Anaheim, California.
47. Miller, C.F., 1977, Alkali-rich monzonites, California: origin of near silica-saturated alkaline rocks and their significance in a calc-alkaline batholithic belt: University of California, Los Angeles, unpublished Ph.D. dissertation, Figure lla, map scale 1:62,500.
48. Miller, E.L., 1977, Geology of the Victorville region, California: Rice University, unpublished Ph.D. thesis, Plates I (Quartzite Mountain) and II (Sidewinder Mountain—Black Mountain area), scale 1:12,000. (Also see: Miller, E.L., 1981, Geology of Victorville region, California: Geological Society of America Bulletin, Part I, v. 92, no. 4, p. 160-163.)
49. Miller, F.K., 1979, Geologic map of the San Bernardino north quadrangle, California: U.S. Geological Survey Open File Report 79-770, scale 1:24,000. (Surficial deposits from Matti, J.C., reference no. 43.) San Jacinto fault from: Sharp, R.V., 1972, Map showing recently active breaks along the San Jacinto fault zone between the San Bernardino area and Borrego Valley, California: U.S. Geological Survey Miscellaneous Geologic Investigations, Map I-675, scale 1:24,000.)
50a. Miller, F.K., 1975-77, Geologic strip map of the frontal fault system along the *northwest* side of the San Bernardino Mountains: U.S. Geological Survey unpublished map, scale 1:48,000.
b. Miller, F.K., 1975-77, Geologic strip map of the frontal fault system along the *northeast* side of the San Bernardino Mountains: U.S. Geological Survey unpublished map, scale 1:48,000.
51. Miller, S.T., 1978, Geology and mammalian biostratigraphy of a portion of the northern Cady Mountains, Mojave Desert, California: University of California, Riverside, unpublished M.S. thesis, Plate 1, scale 1:8,000. (Also as U.S. Geological Survey Open File Report 80-878.)
52. Morton, D.M., Cox, B.F., and Matti, J.C., 1980, Geologic map of the San Gorgonio Wilderness, San Bernardino County, California: U.S. Geological Survey Miscellaneous Field Studies Map 1161-A, scale 1:62,-500. (Additional faults from: Dibblee, T.W., reference no. 30).
53. Morton, D.M., 1981, Generalized geologic map of the eastern San Gabriel Mountains, California: U.S. Geological Survey unpublished map, scale 1:31,680.
Morton, D.M., Rodriquez, E.A., Obi, C.M., Simpson, R.W., and Peters, T.P., 1983, Mineral resource potential map of the Cucamonga Roadless Areas: U.S. Geological Survey Miscellaneous Field Studies Map MF—, scale 1:31,680.
Also see: Evans, J.G., 1982, Geology of the Sheep Mountain Wilderness Study Area and the Cucamonga Wilderness and additions, Los Angeles and San Bernardino Counties, *in* Mineral resources of the Sheep Mountain Wilderness Study Area and the Cucamonga Wilderness and additions, Los Angeles and San Bernardino Counties, California: U.S. Geological Survey Bulletin 1506 A-E, 92 p.
54. Morton, D.M., 1978, Geologic map of the Redlands quadrangle, San Bernardino and Riverside Counties, California: U.S. Geological Survey Open File Report 78-21, scale 1:24,000. (Surficial deposits modified by Matti, J.C., reference no. 43.)
55. Morton, D.M., 1978, Geologic map of the San Bernardino South quadrangle, San Bernardino and Riverside Counties, California: U.S. Geological Survey Open File Report 78-20, scale 1:24,000. (Surficial deposits modified by Matti, J.C., reference no. 43).
56. Morton, D.M., 1978, Geologic map of the Fontana quadrangle, San Bernardino and Riverside Counties, California: U.S. Geological Survey Open File Report 78-19, scale 1:24,000. (Surficial deposits modified by Matti, J.C., reference no. 43).
57. Morton, D.M., Matti, J.C., Cox, B.F., and Carson, S.E., 1983 Geologic map of the Yucaipa quadrangle: U.S. Geological Survey map in progress, scale 1:24,000.
Also see: Dibblee, T.W., Jr., 1968, Geologic map of the Yucaipa quadrangle, California: U.S. Geological Survey Open File Map, scale 1:24,-000.
58. Morton, D.M., and Miller, F.K., 1975, Geology of the San Andreas fault zone north of San Bernardino between Cajon Canyon and Santa Ana Wash, *in* Crowell, J.C., editor, San Andreas fault in southern California: California Division of Mines and Geology Special Report 118, p. 136-146, Figures 1c-1g, scale 1:48,000.
59. Moseley, C.G., 1978, The geology of a portion of the northern Cady Mountains, Mojave Desert, California. University of California, Riverside, unpublished M.S. thesis, Plate 1, scale 1:24,000.
60. Ponti, D.J., and Burke, D.B., 1980, Map showing Quaternary geology of the eastern Antelope Valley and vicinity, California: U.S. Geological Survey Open-File Report 80-1064, scale 1:62,500.
Dibblee, T.W., Jr., 1959, Geologic map of the Alpine Butte quadrangle, California: U.S. Geological Survey Mineral Investigations Field Studies Map MF-222, scale 1:62,500.
Dibblee, T.W., Jr., 1960, Preliminary geologic map of the Shadow Mountains quadrangle, Los Angeles and San Bernardino Counties, California: U.S. Geological Survey Mineral Investigations Field Studies Map MF-227, scale 1:62,500.
Dibblee, T.W., Jr., 1967, Areal geology of the western Mojave Desert, California: U.S. Geological Survey Professional Paper 522, Plate 1, scale 1:125,000.
61. Sadler, P.M., 1981, The geology of the northeast San Bernardino Mountains, California: University of California, Riverside, unpublished mapping for the California Division of Mines and Geology Data Base Augmentation Program, scale 1:24,000. (Also California Division of Mines and Geology Open File Report, OFR 82-18 SF.)
*a. Lucerne Valley and part of the Fifteen Mile Valley quadrangles.
*b. Cougar Buttes quadrangles. (For additional data on Blackhawk landslide see: Shreve, R.L., 1968, The Blackhawk landslide: Geological Society of America Special Paper 108.)
c. Old Woman Springs quadrangle (part of).
d. Fawnskin quadrangle. (Additional data in the northwest part of Fawnskin quadrangle and northeast part of the Butler Peak quadrangle from: Smith, D.K., 1981, The geology northwest of Holcomb Valley, San Bernardino Mountains, San Bernardino County, California: unpublished map for the California Division of Mines and Geology Data Base Augmentation Program, scale 1:24,000.).
Also see: Cameron, C.S., 1981, Geology of the Sugarloaf and Delamar Mountain areas, San Bernardino Mountains, California: Massachusetts Institute of Technology, unpublished Ph.D. thesis, Plate I, scale 1:62,-500, Plates II and III, scale 1:15,840; and Richmond, J.F., 1960, Geology of the San Bernardino Mountains north of Big Bear Lake California: California Division of Mines Special Report 65, 68 p., Plate 1, scale 1:31,250.
e. Big Bear City quadrangle.
f. Rattlesnake Canyon quadrangle. (With modifications by Matti, J.C., Cox, B.F., Rodriguez, E.A., Obi, C.M., Powell, R.E., Hinkle, M.E., Griscom, A., Sabine, C., and Cwick, G.J., 1982, Mineral resources potential map of the Bighorn Mountains Wilderness Study Area, San Bernardino County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1493 A, scale 1:48,000.)
g. Bighorn Canyon quadrangle. (With modifications by Matti, J.C., Cox, B.F., Rodriguez, E.A., Obi, C.M., Powell, R.E., Hinkle, M.E., Griscom, A., Sabine, C., and Cwick, G.J., 1982, Mineral resources potential map of the Bighorn Mountains Wilderness Study Area, San Bernardino County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1493-A, scale 1:48,000.)
h. Onyx Peak quadrangle.
i. Rimrock quadrangle.
62. Troxel, B.W., and Gunderson, J.N., 1970, Geology of the Shadow Mountains and northern part of the Shadow Mountains SE 7 ½-minute quadrangles, western San Bernardino County, California: California Division of Mines and Geology Preliminary Report 12, scale 1:24,000.
63. Weber, F.H., Jr., 1964, Geology and mineral deposits of the Ord Mountain district, San Bernardino County, California: California Division of Mines and Geology Special Report 77, Plate 1, scale 1:24,000. (Modifications in eastern part from: Karish, C.R., reference no. 39.)
64. Weldon, R., and Meisling, K., 1981, Geology of the Silverwood Lake area, San Bernardino County, California: California Department of Water Resources, unpublished map, scale 1:24,000. (Also: Weldon, R.J., Meisling, K.E., Allen, C.R., and Sieh, K.E., 1981, Neotectonics of the Silverwood Lake area, San Bernardino County: California Department of Water Resources, unpublished report.)
65. Williamson, D.A., 1980, The geology of a portion of the eastern Cady Mountains, Mojave Desert, California: University of California, Riverside, unpublished M.S. thesis, scale 1:24,000.
66. Woodburne, M.O., and Golz, D.J., 1972, Stratigraphy of the Punchbowl Formation, Cajon Valley, southern California: University of California Publications in Geological Sciences, v. 92, Map 3, scale 1:24,000.

* Footnote references 7, 8, 10-14, 16, 18, 21, 22, 24, 27, 34, 40, 61a, b: Morton, D.M., Miller, F.K., and Smith, C.C., 1980, Photoreconnaissance maps showing young-looking fault features in the southern Mojave Desert, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-1051, seven sheets, scale 1:24,000.

+ Footnote to references 9, 10, 12, 18, 19, 21, 34: Spittler, T.E., 1981, Photoreconnaissance of alluvial deposits and other unpublished maps, California Division of Mines and Geology.

Footnote to references 7, 17, 24, 61a, 61d, 61e, 62: Age designation of limestone/marble bodies from Howard Brown, Pluess-Staufer (CA) Inc., personal communication, April 1, 1983.

Aerial photo-analysis of joints in plutonic rocks by Anibal Mata-Sol, California Division of Mines and Geology, 1983.



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INDEX TO GEOLOGIC MAPS USED IN COMPILATION OF THE SAN BERNARDINO QUADRANGLE, CALIFORNIA, 1:250,000

(Second printing, 1998)