

References cited:

Brabb, E.E., Sonneman, H., and Switzer, J., Jr., 1971, Preliminary geologic map of the Mount Diablo-Byron area, Contra Costa, Alameda and San Joaquin Counties, California: U.S. Geological Survey Open-file map.

Clark, B.L., 1935, Tectonics of the Mount Diablo and Coalinga areas, Middle Coast Ranges of California: Geol. Soc. America Bull., v. 46, p. 1025-1078.

Colburn, I.P., 1964, The Mesozoic stratigraphy in the vicinity of Mt. Diablo, California: In Guidebook and Field trip to the Mt. Diablo area: Geol. Soc. Sacramento, p. 9-13.

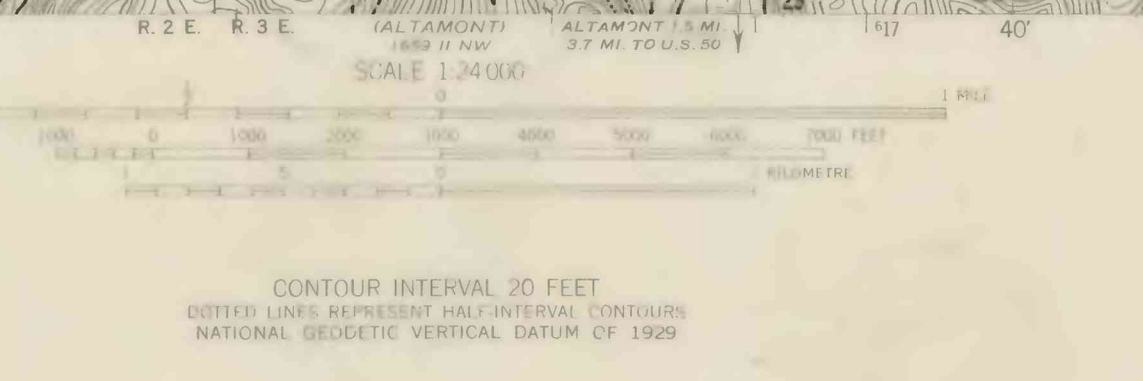
Taff, J.A., 1935, Geology of Mount Diablo and vicinity: Geol. Soc. America Bull., v. 46, p. 1079-1106.

Nilsen, Tor H., 1972, Preliminary photointerpretation map of landslide and other surficial deposits of parts of the Altamont and Carbona 15-minute quadrangles, Alameda County, California: U.S. Geological Survey Miscellaneous Field Studies Map MF-321.

- Qa, Qls
- Surficial deposits
- Qa; alluvium
- Qls; landslide debris
- UNCONFORMITY
- Qoa
- Older alluvium
- UNCONFORMITY
- Tps
- Nonmarine sedimentary rocks
- Weakly indurated pebble conglomerate, sandstone and mudstone
- UNCONFORMITY
- Tn, Tms
- Tms
- Sedimentary rocks
- Tn; Neroly Formation, nonmarine, blue to gray pebbly sandstone
- Tms; nonmarine and brackish marine(?) claystone, siltstone, gray sandstone and pebble conglomerate
- Tms; marine, tan pebbly arkosic sandstone
- UNCONFORMITY
- Tk
- Kreyenhagen Shale
- Semi-siliceous to argillaceous shale
- Tds
- Domengine Sandstone
- White to tan friable arkosic sandstone
- Tme, Tmd, Tma
- Meganos Formation
- Tme; claystone
- Tmd; fine-grained arkosic sandstone
- Tma; arkosic sandstone, locally pebbly at base
- UNCONFORMITY(?)
- Kdv
- Deer Valley Formation of Colburn, (1964)
- Arkosic sandstone
- Km, Kms
- Moreno Formation
- Km; micaceous claystone
- Kms; sandstone
- Kps, Kp
- Panoche Formation
- Kps; arkosic sandstone, contains large concretions, minor interbedded shale
- Kp; micaceous clay shale, some thin sandstone strata

*Only a few landslides have been mapped. For a more complete map of landslide deposits, see Nilsen, 1972.

Geology field checked and modified by T.W. Dibblee, Jr., 1976, 1977; after B. Clark, 1935, J. Taff, 1935, I. Colburn, 1964, and E. Brabb, H. Sonneman and J. Switzer, Jr., 1971



BYRON HOT SPRINGS, CALIF.
N3745-W12137

PRELIMINARY GEOLOGIC MAP OF THE BYRON HOT SPRINGS QUADRANGLE, ALAMEDA AND CONTRA COSTA COUNTIES, CALIFORNIA

Compiled and mapped by

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1980

U.S. Geological Survey
OPEN-FILE REPORT
This report is preliminary and has not been edited or reviewed for conformity with Geological Survey Standards and nomenclature