

GEOLOGIC AND SAMPLE LOCATION MAP OF THE STOKES MOUNTAIN REGION, TULARE COUNTY, CALIFORNIA

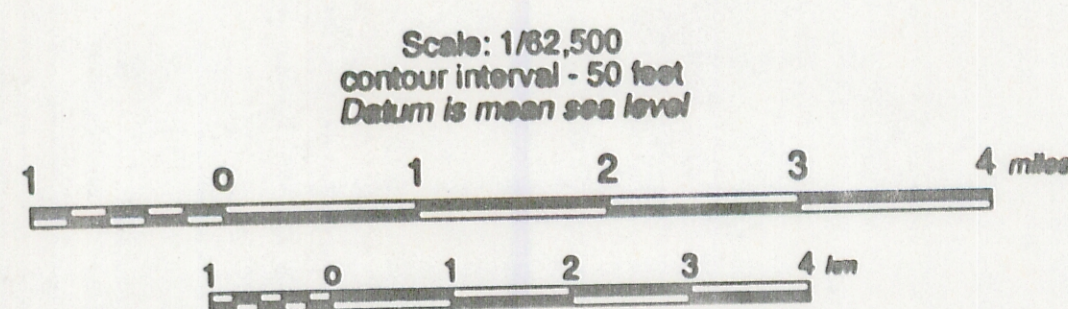
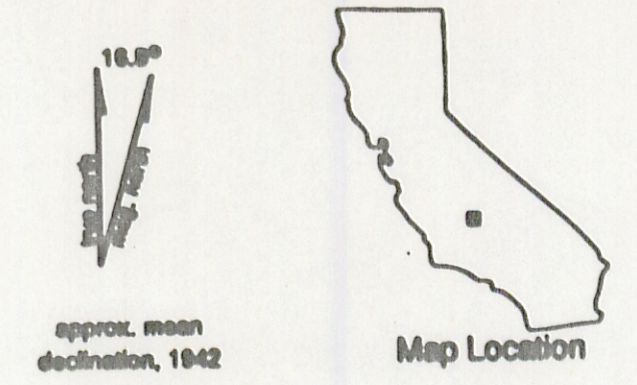
EXPLANATION

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|------------|---------------|---|--|
| Quaternary | Qa | Qa: Fluvial sediments and minor conglomerates; Yields mammalian fossils of Late Pleistocene age. | |
| | p | p: Xenoliths silicified, hypabyssal (?) porphyry. | |
| | x3 | x3: Undifferentiated, mingled hg, hbt and gd; gd: areas of dense dikes and pods of granodiorite. | |
| | gd | gd: Hornblende biotite granodiorite with lesser biotite muscovite granite and leucogranite. | |
| | x2 | x2: Undifferentiated, mingled pg, hpg, hg, x1, hpt and hbt of the Stone Corral Shear Zone. | |
| | hbt | hbt: Hornblende biotite tonalite to granodiorite with lesser biotite leucotonalite; variable hornblende to biotite ratio. | |
| | E. Cretaceous | pht | pht: Biotite two-pyroxene hornblende quartz diorite to tonalite. |
| | | x1 | x1: Undifferentiated hornblende norite mingled with hg, hpg and pg. |
| | | hg | hg: Hornblende gabbro; Texturally variable; occurs as massive pods, enclaves and complex dikes in surrounding units. |
| | | phg | phg: Two-pyroxene hornblende and/or biotite gabbro to quartz gabbro. |
| pg | | pg: Two-pyroxene leucogabbro to quartz gabbro. | |
| htr | | htr: Hornblende-bearing troctolites | |
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|---|---|
| | hornblende-poor layered troctolites; occasionally orthopyroxene-bearing. |
| | massive, coarse-grained, hornblende-rich orthocumulates. |
| | orbicular troctolite. |
| | ocellar troctolite. |
| | hornblende-rich layered gabbros; occasionally with comb layering. |
| m | m: metamorphic wallrocks of the Kings-Kaweah ophiolite belt and associated continentally-derived metasediments. |

MAP SYMBOLS

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| | contact: solid where well located and well exposed; dashed where inferred; dotted where buried. |
| 91 | sample location and number: location and number of western Cretaceous batholith (WKB) samples; geochemical analyses shown in Table 3.1; summary of isotopic analyses shown in Table 3.7. |
| SM91 | sample location and number: location and number of SM, A, I, & W samples; isotopic analyses shown in Table 3.4. |

Geologic mapping by D. Clemens Knott between 1988 and 1990 and compiled on the Dunlap 15' and a portion of the Exeter 15' Quadrangles.



Topography by A. Frankhauser and S. B. Evans, L. E. Marsden, R. O. Mohan and A. C. Stephens. Surveyed in 1942.