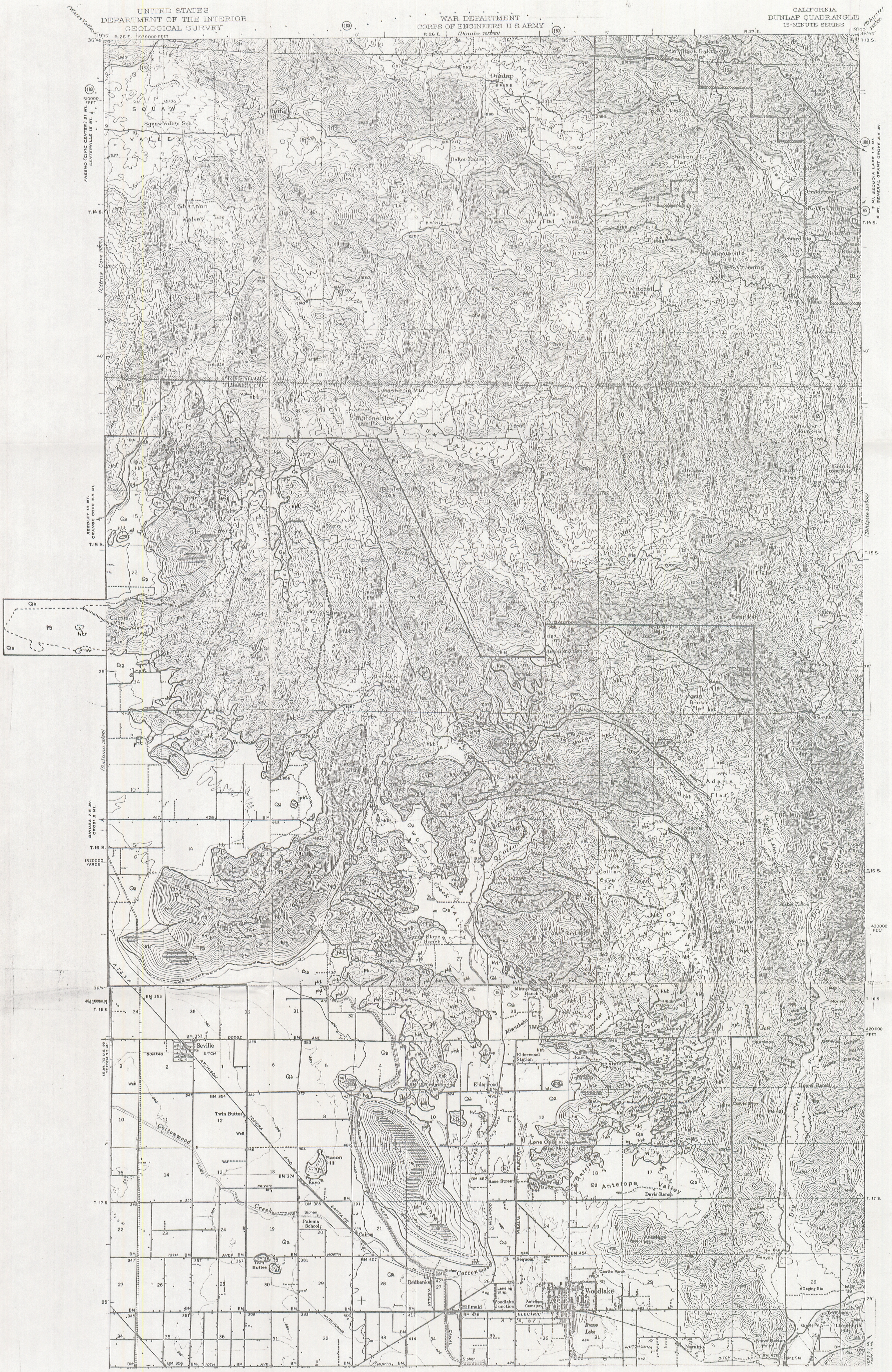
Knott dc 1992



GEOLOGIC MAP OF THE STOKES MOUNTAIN REGION, TULARE COUNTY, CALIFORNIA

EXPLANATION

Quat.

Qa — Qa: Fluvial sediments and minor fanglomerates; Yields mammalian fossils of Late Pleistocene age.

E. Cretaceous

p — p: Xenoliths silicified, hypabyssal (?) porphyry.

x3 (gd) — 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, hpbt and hbt of the Stone Corral Shear Zone.

hbt — hbt: Hornblende biotite tonalite to granodiorite with lesser biotite leucotonalite; variable hornblende to biotite ratio.

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

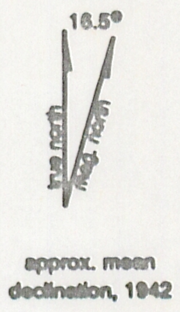
- hornblende-poor layered troctolites; occasionally orthopyroxene-bearing.
- massive, coarse-grained, hornblende-rich orthocumulates.
- orbicular troctolite.
- ocellar troctolite.
- horneblende-rich layered gabbros; occasionally with comb layering.

m — m: metamorphic wallrocks of the Kings-Kaweah ophiolite belt and associated continentally-derived metasediments.

MAP SYMBOLS

contact: solid where well located and well exposed; dashed where inferred; dotted where buried.

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



approx. mean declination, 1942

Map Location

Scale: 1/62,500
contour interval - 50 feet
Datum is mean sea level

1 0 1 2 3 4 *miles*

1 0 1 2 3 4 *km*

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

Plate 1