UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

PARKFIELD QUADRANGLE
CALIFORNIA
15 MINUTE SERIES (TOPOGRAPHIC)

S.W. OF SAN ANDREAS FAULT

Qa — Alluvium (Holo.)

Qls — Landslide rubble (Pleistocene, QUATERNARY)

UNCONFORMITY

QTc / **QTp** — Paso Robles Fm. (ter.)
QTc, clay
QTp, gravel, sand, clay

UNCONFORMITY

Tus | **Tuc** — Unnamed strata
Tus, marine sandstone
Tuc, ter. ss. and congl.

Tpo — Pancho Rico Fm. (diat. mudstone, thin sandstone beds) (Pliocene, TERTIARY)

Tsg — Unnamed congl. & ss.

Tsm — Santa Margarita White sandstone (Miocene)

UNCONFORMITY

Tn — Terrestrial ss. and conglom.

Tvr — Volcanic rocks rhyolitic felsite, obsidian & breccia (Oligocene)

UNCONFORMITY

gr — Granitic rocks (quartz monzonite) (MESOZOIC)

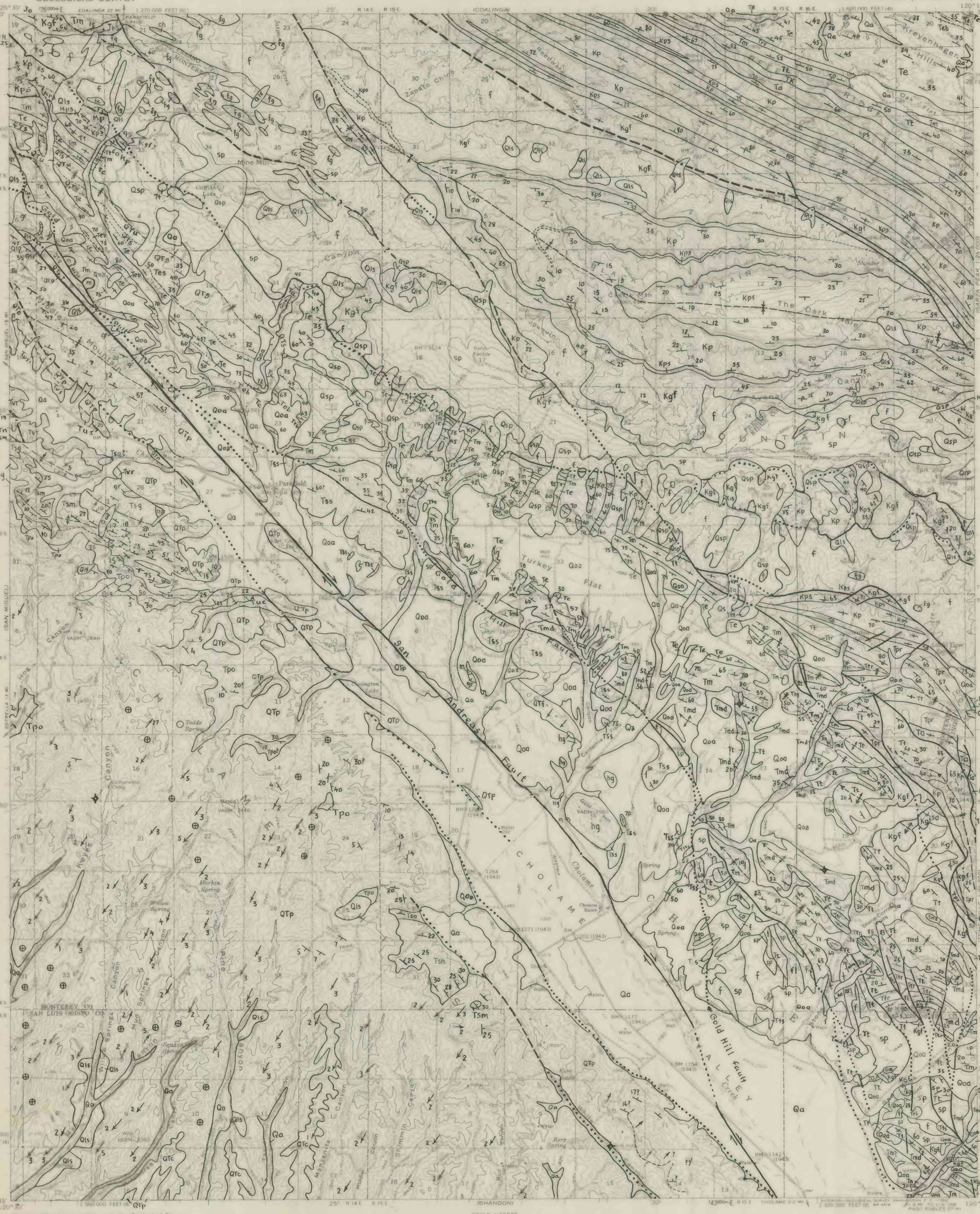
Contact
Dashed where gradational or approximately located

Fault
Dashed where doubtful
Dotted where concealed
U, Upthrown side
D, Downthrown side
Arrows indicate horizontal movement

Anticline — Syncline
Axis of fold, showing direction of plunge

Horizontal
Inclined
Vertical
Overturned
Strike and dip of strata

Abandoned well drilled for oil or gas



N.E. OF SAN ANDREAS F.

Qsp — Landslide rubble of serpentine (Pleistocene, QUATERNARY)

Qoa — Older alluvium

UNCONFORMITY

QTu / **QTs** — Unnamed formation ("Varian Ranch beds" of Dickinson, 1966) (terrestrial sediments)
QTu, clay
QTs, arkoric sand and gravel

UNCONFORMITY

Te | **Teb** — Etchegoin Form. (marine)
Te, sndst. shale
Teb, blue sndst. (Pliocene, TERTIARY)

Tr — Reef Ridge Clay Shale

Tm / **Tmd** — Monterey Shale
Tm, McLure silic. sh. Mbr.
Tmd, Devilwater cl sh. Mbr. (Miocene)

Tt | **Ttr** — Temblor Fm. (marine)
Tt, sandstone
Ttr, red congl.

UNCONFORMITY

Tpr — Point of Rocks Ss. (mar.)

Tk — Kreyenhagen Sh.

Ta — Avenal Sandstone (marine) (Eocene)

UNCONFORMITY

Kps | **Kp** — Panoche Formation (marine sandst. & shale)
Kps, sandst, minor shale
Kp, shale (Upper, CRETACEOUS)

Kgf — Gravelly Flat Formation of Rose & Colburn, 1963 (marine dark shale, thin sandstone strata) (Lower)

sp — Serpentine

fl | **fc** | **fg** | **f** — Franciscan Rocks
fl, limestone
fc, chert
fg, greenstone
f, mixed rocks (Jur. & Cret., MESOZOIC)

BETWEEN SAN ANDREAS AND GOLD HILL FAULTS

Qa — Alluvium (Holo.)

Qoa — Older alluvium (Pleistocene, QUATERNARY)

UNCONFORMITY

QTf — Paso Robles? Form. (fan gravel)

UNCONFORMITY

Tss — Unnamed sandstone (marine) (Eocene, TERT.)

UNCONFORMITY

gr — Granitic rocks

hg — Hornblende quartz gabbro

m — Marble (MESOZOIC OR OLDER)

Mapped, edited, and published by the Geological Survey in cooperation with the State of California.
Control by USGS, USC&GS, and USCE
Compiled in 1961 from 1:24 000-scale maps dated 1961
Polyconic projection. 1927 North American datum
10,000-foot grid based on California coordinate system, zones 4 and 5
1000-meter Universal Transverse Mercator grid ticks, zone 10, shown in blue
A portion of this quadrangle lies within a subsidence area

APPROXIMATE MEAN DECLINATION, 1961

Drafted by Gertrude J. Edmonston

SCALE 1:62500

CONTOUR INTERVAL 80 FEET
DOTTED LINES REPRESENT 40-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER 25, COLORADO OR WASHINGTON 25, D. C.
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

QUADRANGLE LOCATION

ROAD CLASSIFICATION
Medium-duty — Light-duty
Unimproved dirt
State Route

This area also covered by 7.5-minute 1:24 000-scale maps: The Dark Hole 1961, Parkfield 1961, Cholame Hills 1961, and Cholame Valley 1961

PARKFIELD, CALIF.
N3545—W12015/15
1961

References:
Dickinson, W.R., May 1966, Table Mtn. serpentine extrusion in California Coast Ranges: Geol. Soc. Amer. Bull. v. 77. Dickinson, W.R., July 1966, Structural Relationships of San Andreas fault system, Cholame Valley and Castle Mountain Range, California

MAPPED AND COMPILED BY
T. W. DIBBLEE JR. 1971

Geology by T.W. Dibblee Jr., 1966-68 (SW of San Andreas Fault and north quarter of quadrangle; remainder of quadrangle NE of San Andreas Fault modified from W.R. Dickinson, 1966

THIS MAP IS PRELIMINARY AND HAS NOT BEEN EDITED OR REVIEWED FOR CONFORMITY WITH U.S. GEOLOGICAL SURVEY STANDARDS

GEOLOGIC MAP OF THE PARKFIELD QUADRANGLE, CALIFORNIA