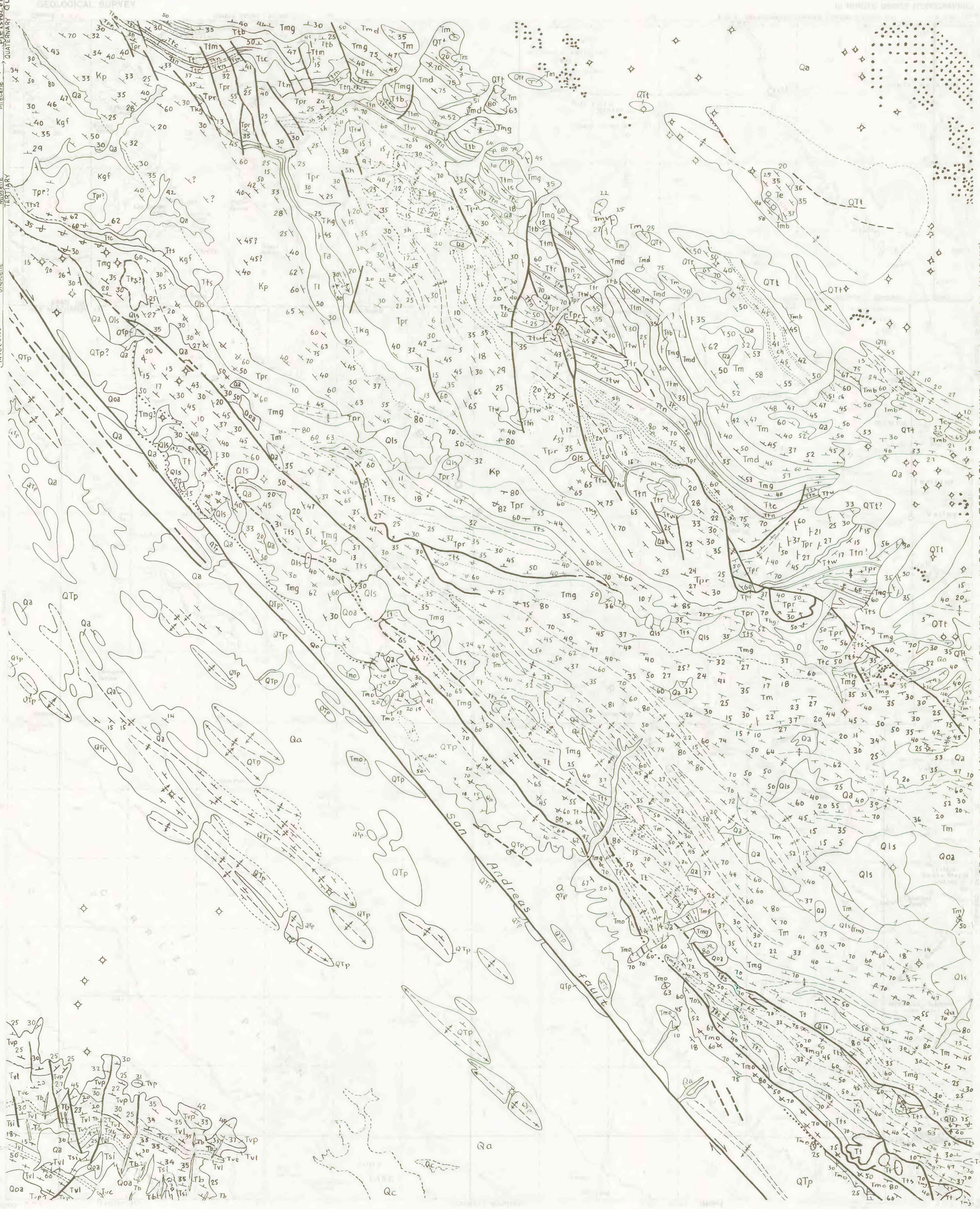
U.S. GEOLOGICAL SURVEY
OPEN FILE MAP



SW OF SAN ANDREAS FAULT

Qc | Qa — Surficial deposits: Qc, lakebed clay; Qa, alluvium (Holocene, QUATERNARY)

Qoa — Older alluvium (Pleistocene, QUATERNARY)

UNCONFORMITY

QTp — Paso Robles Fm. (terrestrial pebbly silt) (Pliocene ?)

UNCONFORMITY

Tmo — Morales ? Form. (terrest. granitic conglom.) (Miocene, TERTIARY)

MIDDLE TERT. SED. SEQUENCE

Tvp, Tvl, Tvc — Vaqueros Form. (marine): Tvp - Painted Rock Sandstone Mbr.; Tvl - Soda Lake Shale Member; Tvc - chert bed (Miocene, TERTIARY)

Tsi — Simmler Form. (red and gray ss. & sh. non-marine) (Oligocene ?)

Tb — Dikes of andesite or basalt (Miocene)

Slip plane of landslide (arrow indicates downward movement of landslide)

Contact — Dashed where gradational or approximately located

Fault — U, D; 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

Oil well

NE OF SAN ANDREAS FAULT

Qa — Alluvium (Holocene)

Qls — Landslide debris (Holocene ? - ?)

Qoa — Older alluvium (Pleistocene, QUATERNARY)

UNCONFORMITY

QTp, QTt — Valley sediments: QTp, Paso Robles Form.; QTt, Tulare Formation (Pleistocene ?)

UNCONFORMITY

Tmo — Morales Formation (terrestrial) (Pliocene ?)

Te — Etchegoin Form. (marine) (Pliocene)

UNCONFORMITY

MIDDLE TERTIARY SEDIMENTARY SEQUENCE (MARINE)

Tmb, Tm, Tmd, Tmg — Monterey Shale: Tmb, Belridge Diat. Mbr.; Tm, McLure Shale Mbr. includes ch - chert; Tmd, Devilwater Sh. Mbr.; Tmg, Gould Shale Mbr. (Miocene)

Tt, Ttb, Ttm, Ttc, Ttn, Ttw, Tts — Temblor Formation: Tt, mostly clay shale; Tts, mostly sandstone; Ttb, Buttonbed Ss. Mbr.; Ttm, Media Shale Mbr.; Ttc, Carneros Sandst. Mbr.; Ttn, Santos Shale Mbr.; Ttw, Wygal Sandstone Mbr.; & Cymric Shale Mbr. (Miocene, Oligocene ?)

UNCONFORMITY

LOWER TERT. MARINE SED. SEQ.

Tpr — Point of Rocks Sandstone (Eocene)

Tk — Kreyenhagen Shale (Gredal Shale Mbr.)

Ta — Avenal Sandstone

Tl — Lodo Fm. (clay shale) (Paleocene ?)

CRETAC. MARINE SEDIM. SEQUENCE

Kp — Panoche Formation (clay shale, thin ss. beds) (Upper CRETACEOUS)

Kgf — Gravelly Flat Fm. (shale) (Lower ?)

of Rose and Colburn, 1963

Geology by T. W. Dibblee Jr. 1966-68

COMPILED BY T W DIBBLEE JR, 1971

GEOLOGIC MAP OF THE SIMMLER QUADRANGLE, CALIFORNIA

This map is preliminary and has not been reviewed for conformity with U.S. Geological Survey standards and nomenclature.