

DEPARTMENT OF THE INTERIOR
UNITED STATES GEOLOGICAL SURVEY

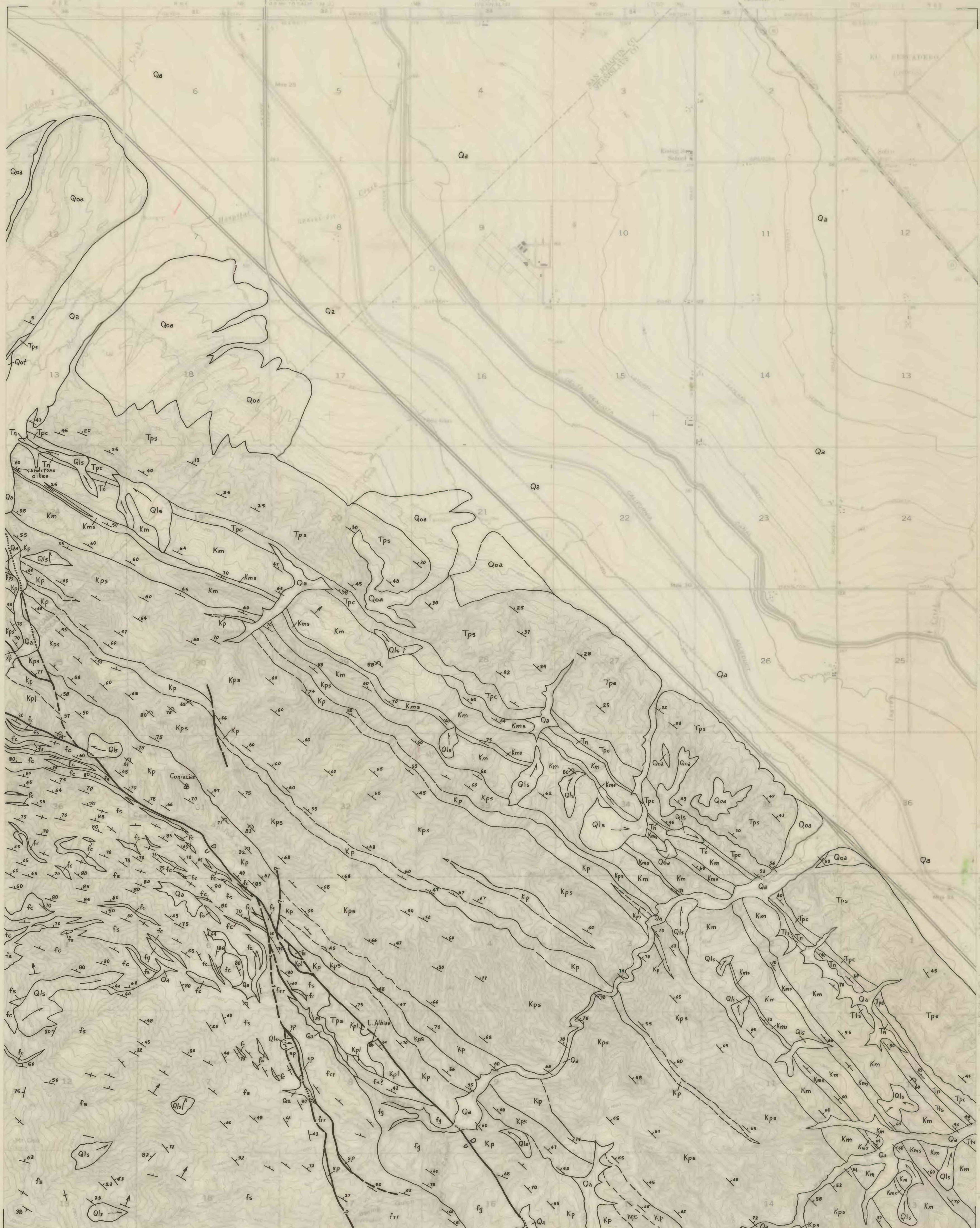
SOLYO QUADRANGLE
CALIFORNIA
7.5 MINUTE SERIES (TOPOGRAPHIC)

- QUATERNARY**
- Holocene**
- Qa Qls**
- Surficial deposits
- Qa; alluvium
- Qls; landslide debris
- Unconformity**
- Qoa**
- Older alluvium
- Unconformity**
- Pleistocene**
- Tps Tpc**
- Nonmarine sedimentary rocks
- Tps; conglomerate, sandstone, and clay
- Tpc; mostly greenish clay
- TERTIARY**
- Miocene**
- Tn**
- Neroly Formation
- Nonmarine blue pebbly sandstone
- Unconformity**
- Tts**
- Tesla (?) Formation
- Brackish-marine fine-grained sandstone
- Unconformity (?)**
- Cenozoic**
- Upper Cretaceous**
- Km Kms**
- Moreno Formation
- Km; marine clay shale
- Kms; marine sandstone
- Kps Kp Kpl**
- Panoche Formation
- Kps; marine sandstone, light gray, arkosic; contains minor micaceous clay shale
- Kp; marine micaceous shale, minor thin sandstone strata
- Kpl; marine micaceous clay shale
- JURASSIC AND/OR CRETACEOUS**
- sp**
- Serpentinite
- fs fc fg**
- Franciscan assemblage (Pervasively sheared, slightly metamorphosed marine sedimentary sequence)
- fs; sandstone (graywacke), minor micaceous shale
- fc; chert
- fg; greenstone

References cited:

- Raymond, L.A., 1973, Tesla-Ortigalita Fault, Coast Range Thrust and Franciscan metamorphism, Northeastern Diablo Range, California: Geological Society America Bulletin, vol. 84.
- Trask, P.D., and Pierce, W.G., 1950, Geology of the Ladd-Buckeye area, in Geologic description of the manganese deposits of California: California Division of Mines Bulletin 152, p. 211-228.

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



Contact
dashed where gradational
or approximately located

$\frac{U}{D}$? - - - -

Fault
dashed where inferred;
dotted where concealed;
queried where existence
doubtful;
double arrows indicate
strike-slip movement;
U - upthrown side
D - downthrown side

$\angle 30^\circ$ inclined

\angle inclined (approximate)

\perp vertical

\curvearrowright overturned

Strike and dip of strata

Δ Stage based on
fossil data

Geology mapped and compiled by T.W. Dibblee, Jr.,
(1974-1975); in part modified from H. Sonneman and
J. Switzer, (unpublished data); P.D. Trask and W.G.
Pierce, (1950); and L.A. Raymond, (1973).

PRELIMINARY GEOLOGIC MAP OF THE SOLYO QUADRANGLE, SAN JOAQUIN AND STANISLAUS COUNTIES, CALIFORNIA

by

Thomas W. Dibblee, Jr.

1981

SOLYO, CALIF.
4375N-11215E

1981
PHOTOREPRODUCED 2013
AND 1981 (1:50,000) SERIES 1000