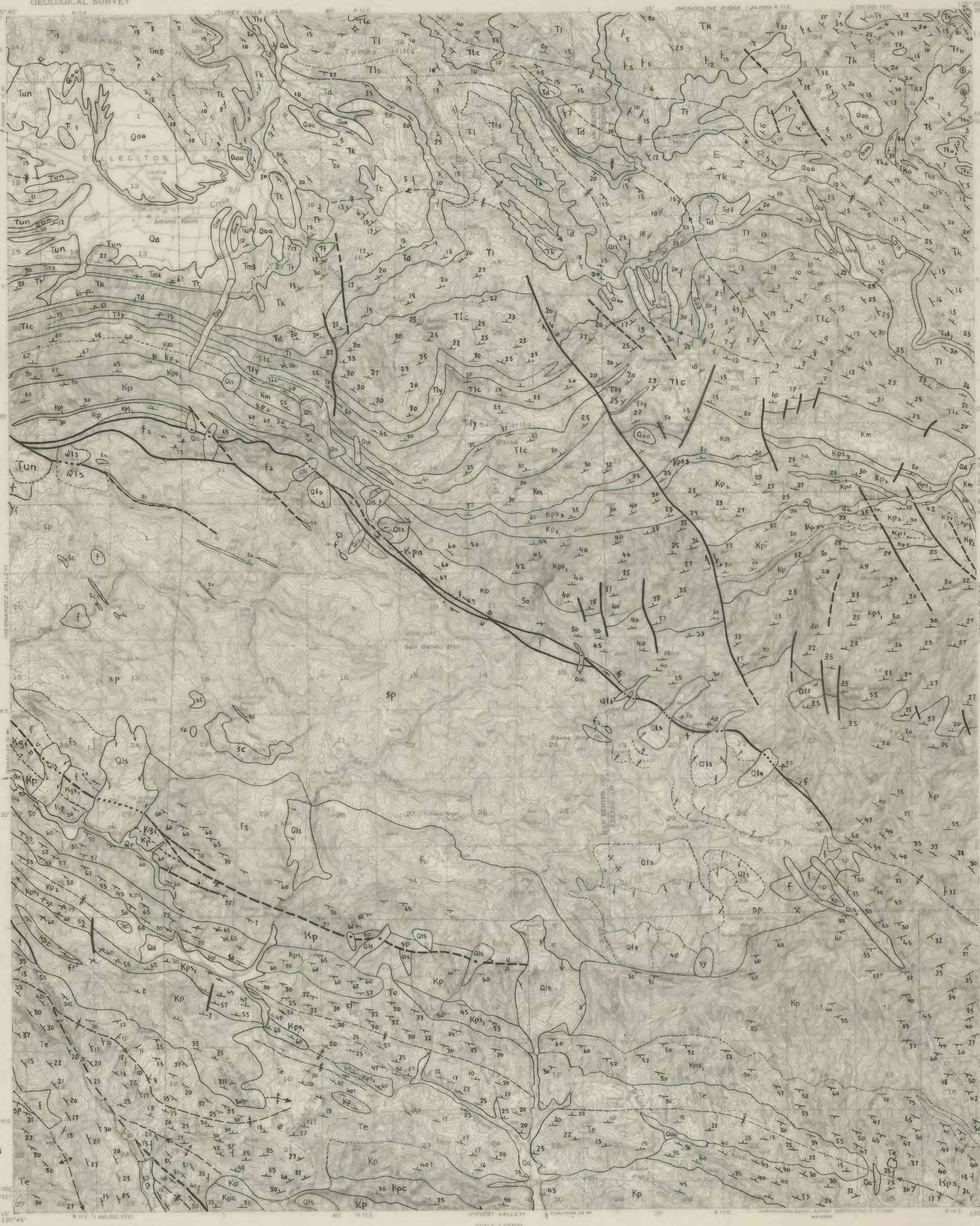
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NEW IDRIA QUADRANGLE
CALIFORNIA
15 MINUTE SERIES (TOPOGRAPHIC)



Qr
River gravel

Qa
Alluvium

Qls
Landslide rubble

Qoa
Older alluvium
UNCONFORMITY

Tun
Nonmarine sediments
(gravel, sand, clay)

Te
Etchegoin Formation
(marine sandst. and siltst.)
UNCONFORMITY

Tms
Monterey Shale
(marine claystone, semi-silic. shale and sandstone)

Tt
Temblor Sandstone
(marine)

Ttu
Tumey Formation
of Atwill, 1935
(semi-silic. shale)

Tki | Tks | Tk
Kreyenhagen Shale
Tki, siliceous shale
Tks, sandstone
Tk, clay shale and semi-siliceous shale

Taf | Td
Domengine (or Avenal) Sandstone
Taf, fine grained
Ta, medium course white sandstone (Yokut Sandstone of White, 1935)

Tl | Tls | Tlc | Tly
Lodo Formation
Tl, Arroyo Hondo Clay Shale Member
Tls, clay shale & sandst. lentil
Tlc, Cantua Sandstone Mbr.
Tly, claystone lentils

Km
Moreno Clay Shale

Kps | Kpi | Kp | Kpc
Panoche Formation
Kps, sandstone
Kpi, interbedded sandstone and clay shale
Kp, clay shale
Kpc, conglomerate
Kpa, altered, silicified shale
Sub-units
Kps_3, sandst. of Brown Mtn.
Kp_2, shale of Ragged Valley
Kps_1, sandstone of Joaquin Ridge

Kgf
Gravelly Flat Formation
of Rose and Colburn, 1963 (shale)

sp | sc
Serpentine
sp, serpentine. sc, silica-carbonate rock (altered from serpentine)

sy
Syenite

f | fs
Franciscan Rocks
f, mixed rocks (claystone, graywacke, greenstone chert, jasper)
fs, graywacke sandstone

Holocene
Pleistocene
QUATERNARY
Pliocene
Miocene
Oligocene
Eocene
Paleocene & Eocene
TERTIARY
Upper Cretaceous
Upper Jurassic and/or Lower Cretaceous
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

Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS
Topography by planetable surveys 1939–40
Culture revised from aerial photographs taken 1949 and 1950. Field check 1956
Polyconic projection. 1927 North American datum
10,000 foot grid based on California coordinate system, zone 4
1000-meter Universal Transverse Mercator grid ticks, zone 10, shown in blue
Dashed land lines indicate approximate locations

SCALE 1:62 500
CONTOUR INTERVAL 50 FEET
DATUM IS MEAN SEA LEVEL

APPROXIMATE MEAN DECLINATION, 1956

ROAD CLASSIFICATION

QUADRANGLE LOCATION

NEW IDRIA, CALIF.
N3615—W12030/15
1956

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

Geology by T.W. Dibblee Jr. 1952, 68, 69
and modified after Eckel and Myers, 1946
(area of serpentine and Franciscan rocks)

Reference:

Eckel, E.B., and Myers, W.B., 1946. California Div. Mines, Rept. 42, pl. 8

Drafted by Gertrude J. Edmonston.

MAPPED & COMPILED BY T.W. DIBBLEE JR, 1971

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

GEOLOGIC MAP OF THE NEW IDRIA QUADRANGLE, CALIFORNIA