



- JURASSIC PHYLLITE AND GREENSCHIST**
- S_1 = DOMINANT PHYLLITIC CLEAVAGE AND LITHOLOGIC LAYERING
- THE CALAVERAS COMPLEX**
- S_0 = BEDDING
 - S_1 = FLATTENING FOLIATION F_1 FOLD AXIS
 - S_2 = SLIP CLEAVAGE F_2 FOLD AXIS
- THE SHOO FLY COMPLEX**
- S_0, S_1 = PRE-THRUST SCHISTOSITY F_1 OR F_2 AXIS
 - S_2 = CALAVERAS-SHOOFLY THRUST FOLIATION F_3 AXIS
 - S_3 = SLIP CLEAVAGE F_4 AXIS
 - YOUNGER CONJUGATION CLEAVAGES S_4, S_5, S_6, S_7
 - AXIAL SURFACES OF FOLDS F_1, F_2, F_3 , ETC.
 - SYMBOLS CAN BE MIXED. POINT OF INTERSECTION IS OBSERVATION POINT.
 - AREAS OF MORE OR LESS CONTINUOUS EXPOSURE OF BEDROCK
- LEGEND**
- gr GRANITIC ROCKS
 - gb GABBROIC ROCKS
 - jp JURASSIC PHYLLITE AND GREENSCHIST
 - Rq
 - Pzu UPPER PALEZOIC-LOWER MESOZOIC(?) CALAVERAS COMPLEX
 - Pzl LOWER PALEZOIC SHOOFLY COMPLEX
- FAULT TYPES**
- CALAVERAS-SHOOFLY THRUST
 - INFERRED
 - UNNAMED THRUST
 - OVERTURNED
 - LITHOLOGIC CONTACT
 - INFERRED
- SOME LITHOLOGIC CONTACTS AND SOME GRANITE CONTACTS FROM O.C. BOWEN, 1969.

Mapped, edited, and published by the Geological Survey
Control by USGS
Topography from aerial photographs by multiglex methods
Aerial photographs taken 1945 Field check, 1948
Polyconic projection 1927 North American datum
10,000-foot grid based on California coordinate system,
zone 3
1000-meter Universal Transverse Mercator grid ticks,
zone 10, shown in blue
To place on the predicted North American Datum 1983
move the projection lines 12 meters north and
89 meters east as shown by dashed corner ticks
There may be private inholdings within the boundaries
of the National or State reservations shown on this map

SCALE 1:24,000

CONTOUR INTERVAL 50 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

Geology by Charles Merguerian
Assisted by S. K. Logan (1981)

ROAD CLASSIFICATION
Light duty Improved dirt

QUADRANGLE LOCATION
TUOLUMNE, CALIF.
N 3752.5-W 12007.5/7.5

1948
PHOTOREVISED 1979
DMA 1959 1 NW SERIES V895

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22097
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Revisions shown in purple compiled by the U.S. Forest Service
from aerial photographs taken 1973 and other source data
This information not here checked. Map edited by the
Geological Survey 1979