

- JURASSIC PHYLLITE AND GREENSCHIST**
- S<sub>1</sub> = DOMINANT PHYLLITIC CLEAVAGE AND LITHOLOGIC LAYERING
- THE CALAVERAS COMPLEX**
- S<sub>0</sub> = BEDDING
  - S<sub>1</sub> = FLATTENING FOLIATION F<sub>1</sub> FOLD AXIS
  - S<sub>2</sub> = SLIP CLEAVAGE F<sub>2</sub> FOLD AXIS
- THE SHOO FLY COMPLEX**
- S<sub>0</sub>S<sub>1</sub> = PRE-THRUST SCHISTOSITY F<sub>1</sub> OR F<sub>2</sub> AXIS
  - S<sub>2</sub> = CALAVERAS-SHOOFLY THRUST FOLIATION F<sub>3</sub> AXIS
  - S<sub>3</sub> = SLIP CLEAVAGE F<sub>4</sub> AXIS
  - YOUNGER CRYSTALLINE CLEAVAGE S<sub>5</sub>, S<sub>6</sub>, S<sub>7</sub>
  - AXIAL SURFACES OF FOLDS F<sub>1</sub>, F<sub>2</sub>, F<sub>3</sub>, ETC.
- ▲ SYMBOLS CAN BE MIXED. POINT OF INTERSECTION IS OBSERVATION POINT
  - ▭ AREAS OF MORE OR LESS CONTINUOUS EXPOSURE OF BEDROCK
  - gr GRANITIC ROCKS
  - gb GABBROIC ROCKS
  - JP JURASSIC PHYLLITE AND GREENSCHIST
  - PzL UPPER PALEOZOIC-LOWER MESOZOIC(?) CALAVERAS COMPLEX
  - PzL LOWER PALEOZOIC SHOO FLY COMPLEX
  - CALAVERAS-SHOOFLY THRUST
  - - - INFERRED
  - ▽ UNNAMED THRUST
  - ◊ OVERTURNED
  - LITHOLOGIC CONTACT
  - - - INFERRED
- SOME LITHOLOGIC CONTACTS AND SOME GRANITE CONTACTS FROM O.E. BOWEN, 1969.

Mapped, edited, and published by the Geological Survey  
Control by USGS

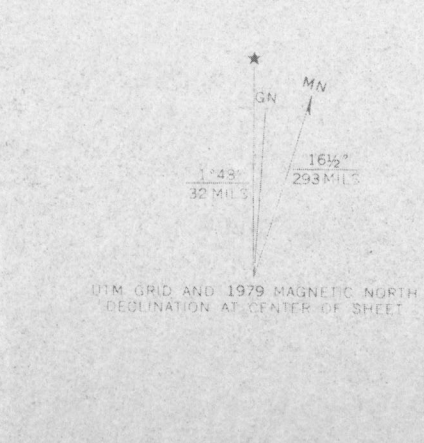
Topography from aerial photographs by multiplex methods  
Aerial photographs taken 1945 Field check 1948

Photocopy 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  
88 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

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR RESTON, VIRGINIA 22092  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

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

ROAD CLASSIFICATION  
Light-duty Unimproved dirt

DUCKWALL MTN., CALIF.  
N 37°52.5' W 120°00' 7.5

1948  
PHOTOREVISED 1979  
DMA 1959 LINE SERIES 7893

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