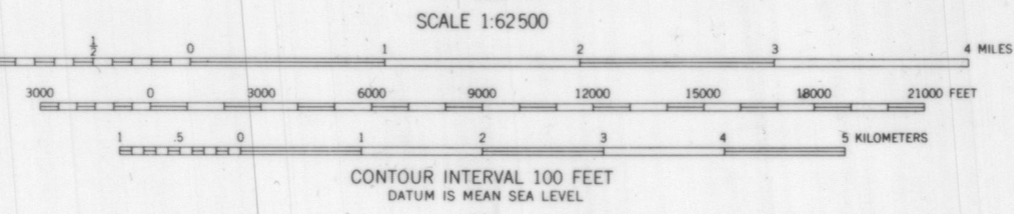
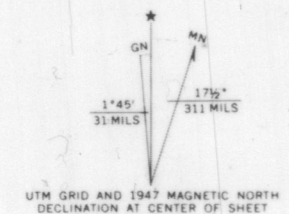


- UNNAMED THRUST
- OVERTURNED
- JURASSIC PHYLLITE AND GREENSCHIST
- $S_1$  = DOMINANT PHYLLITIC CLEAVAGE AND LITHOLOGIC LAYERING
- THE CALAVERAS COMPLEX**
- $S_0$  = BEDDING
- $S_1$  = FLATTENING FOLIATION, F<sub>1</sub> FOLD AXIS
- $S_2$  = SLIP CLEAVAGE, F<sub>2</sub> FOLD AXIS
- THE SHOO FLY COMPLEX**
- $S_1, S_2$  = PRE-THRUST SCHISTOSITY, F<sub>1</sub> OR F<sub>2</sub> AXIS
- $S_3$  = CALAVERAS-SHOO FLY THRUST FOLIATION, F<sub>3</sub> AXIS
- $S_4$  = SLIP CLEAVAGE, F<sub>4</sub> AXIS
- YOUNGER CATABOLIC CLEAVAGES,  $S_5, S_6, S_7$
- AXIAL SURFACES OF FOLDS, F<sub>1, F\_2, F\_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 GABARIC ROCKS
- Jp JURASSIC PHYLLITE AND GREENSCHIST
- Jg
- PzU UPPER PALEOZOIC-LOWER MESOZOIC(?) CALAVERAS COMPLEX
- PzL LOWER PALEOZOIC SHOO FLY COMPLEX
- CALAVERAS-SHOO FLY THRUST
- INFERRED
- LITHOLOGIC CONTACT
- INFERRED

Mapped, edited, and published by the Geological Survey  
Control by USGS and USC&GS  
Topography from aerial photographs by multiplex methods  
Aerial photographs taken 1945. Field check 1947  
Polyconic projection. 1927 North American datum  
10,000-foot grid based on California coordinate system, zone 3  
Certain land lines are omitted because of insufficient data  
Dashed land lines indicate approximate locations  
1000-meter Universal Transverse Mercator grid ticks,  
zone 11, shown in blue



ROAD CLASSIFICATION  
1964  
Heavy-duty ——— Light-duty ———  
Medium-duty ——— Unimproved dirt ———  
State Route —○—  
This area is also covered by 1:24,000 scale maps of  
El Portal, Kinsey, Feliciano Mtn., and Buckingham Mtn.  
7.5 minute quadrangles

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225 OR WASHINGTON, D. C. 20242  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

EL PORTAL CALIF.  
N3730-W11945/15  
1947  
AMS 2059 III-SERIES V795

Geology by Charles Merguerian  
Assisted by S. K. Logan (1981)  
and by R. A. Schweickert (1975, 1981)  
Assisted by B. Herman.