

JUN 2 1969

GOV'T. DOCS. LIBRARY

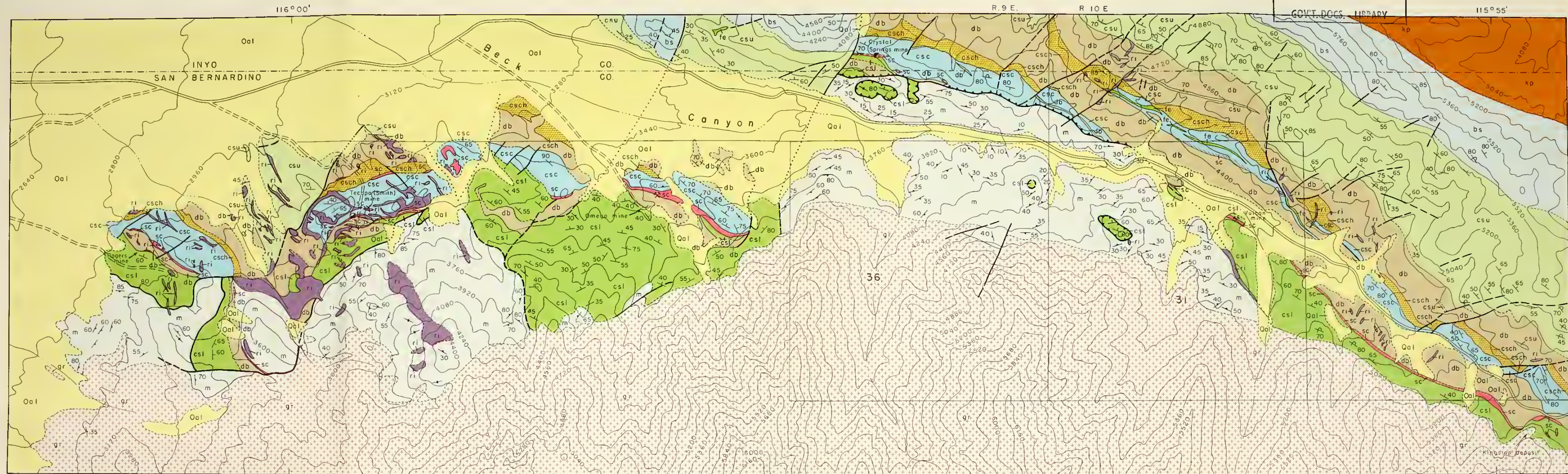


Plate 1A Geologic map of talc-bearing area in Beck Canyon, northwestern Kingston Range.

0 1000' 2000 3000 4000 5000 FEET  
CONTOUR INTERVAL 160 FEET

EXPLANATION

Oal



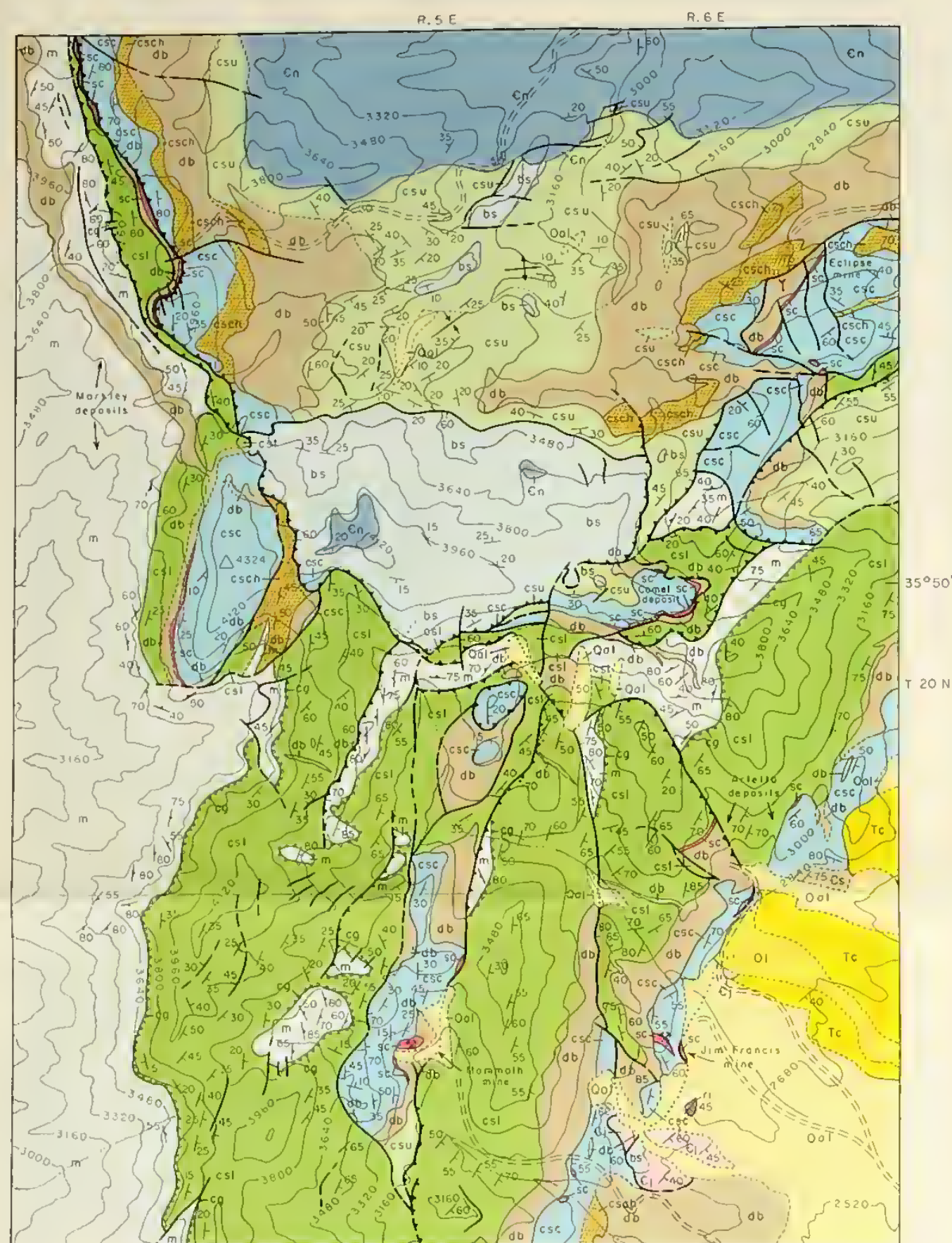


Plate 1B. Geologic map of talc-bearing areas, central Ibex Hills.

0 1000 2000 3000 4000 5000 FEET  
CONTOUR INTERVAL 160 FEET

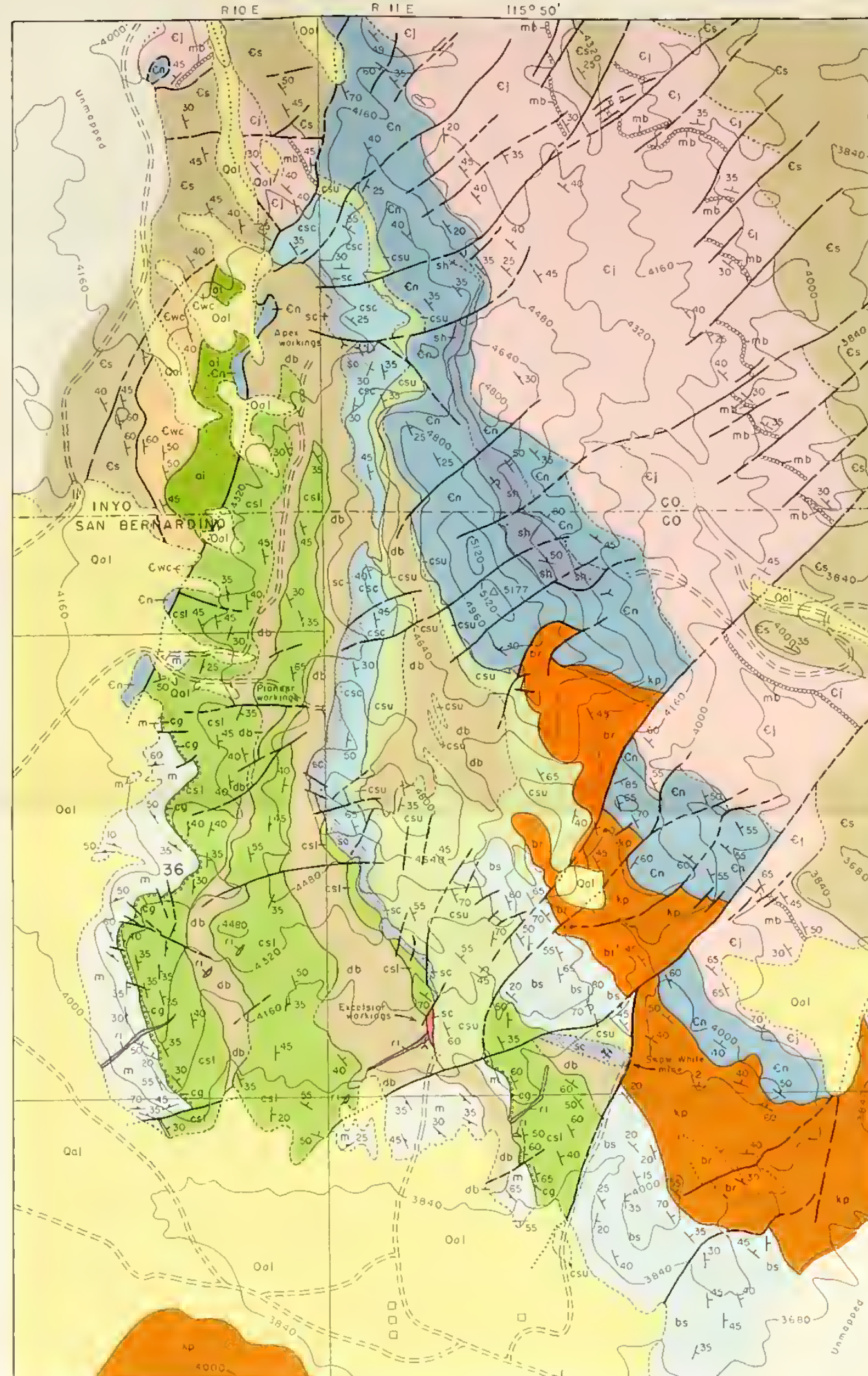


Plate 1C. Geologic map of Excelsior mine area, northeastern Kingston Range.

0 1000 2000 3000 4000 5000 FEET  
CONTOUR INTERVAL 160 FEET

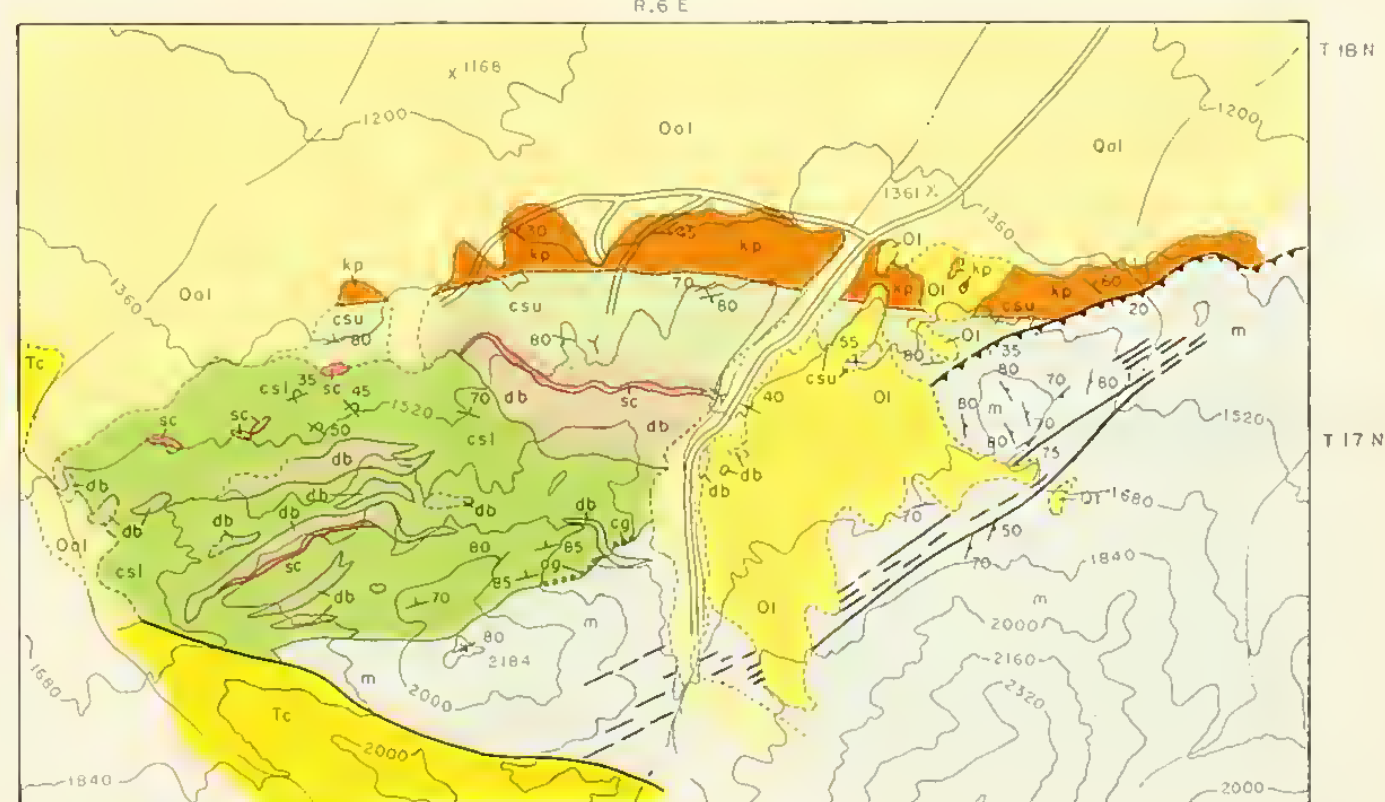
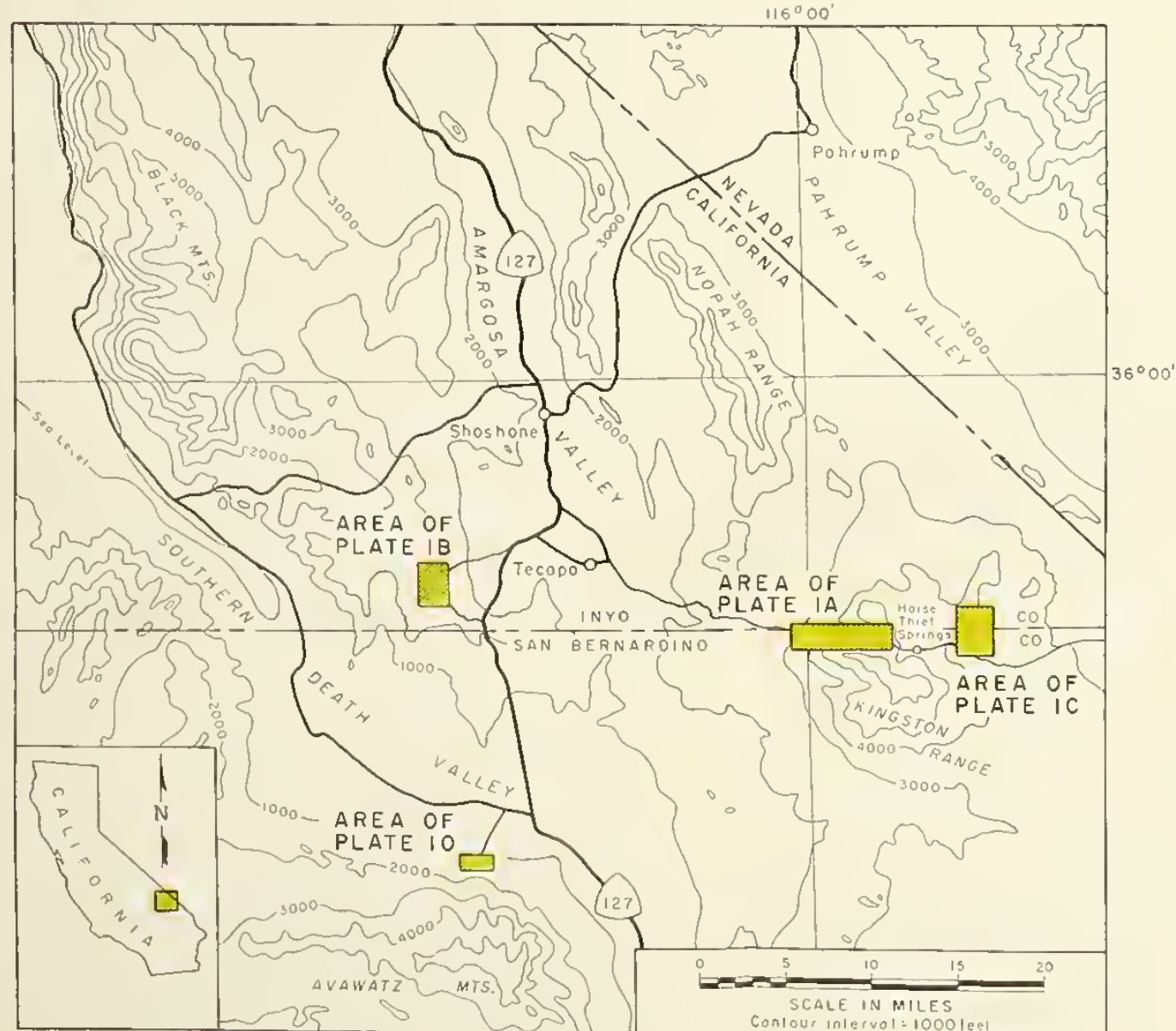
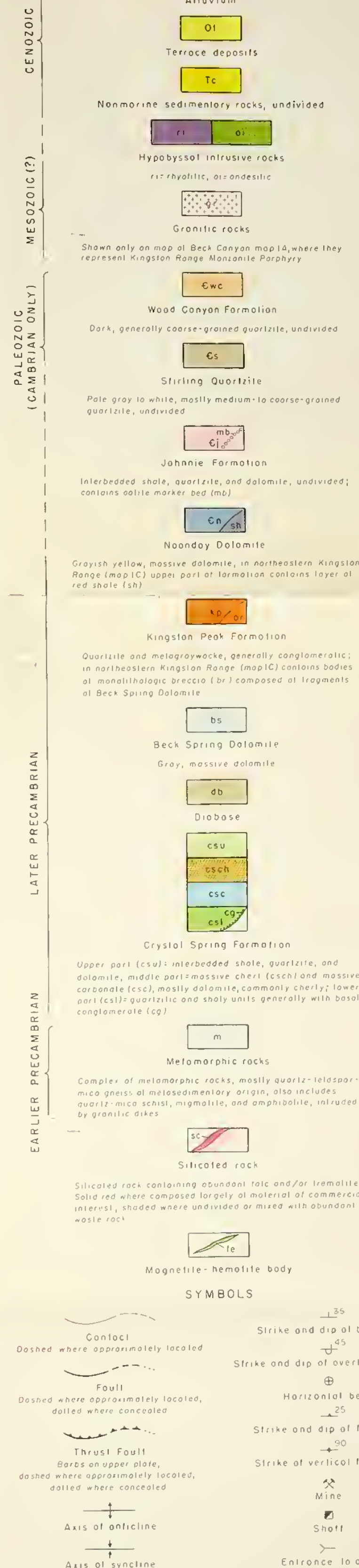


Plate 1D. Geologic map of Sheep Creek talc-bearing area, northern Avawatz Mountains.

0 1000 2000 3000 4000 5000 FEET  
CONTOUR INTERVAL 160 FEET



Index map of part of eastern California, showing locations of geologic maps on plate 1



# GEOLOGIC MAPS OF TALC-BEARING AREAS IN THE IBEX HILLS, KINGSTON RANGE AND AVAWATZ MOUNTAINS, EASTERN CALIFORNIA.

By  
L. A. WRIGHT  
1968



UNIVERSITY OF CALIFORNIA  
DAVIS

JUN 2 1969

GOV'T. DOCS. - LIBRARY

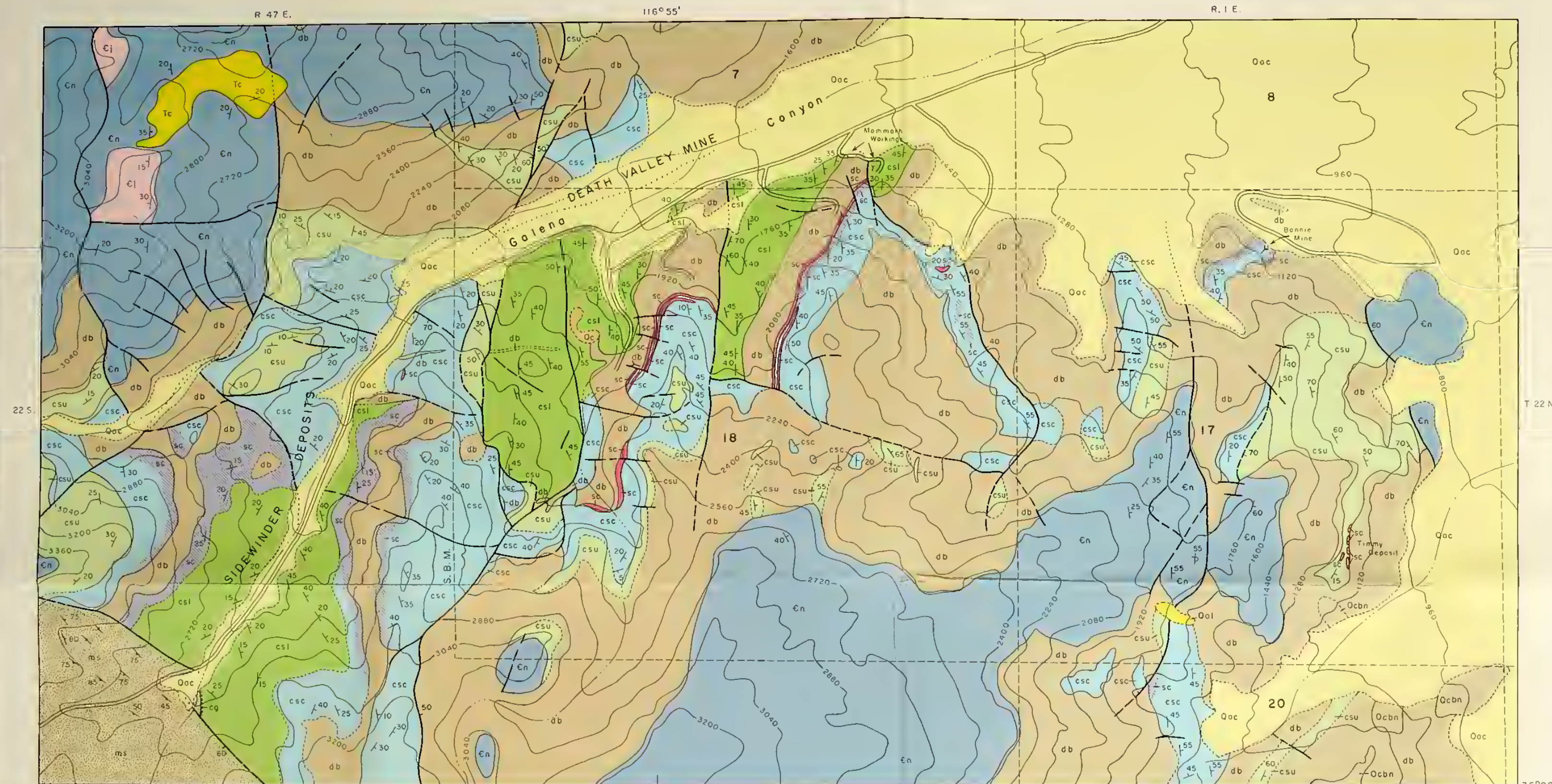
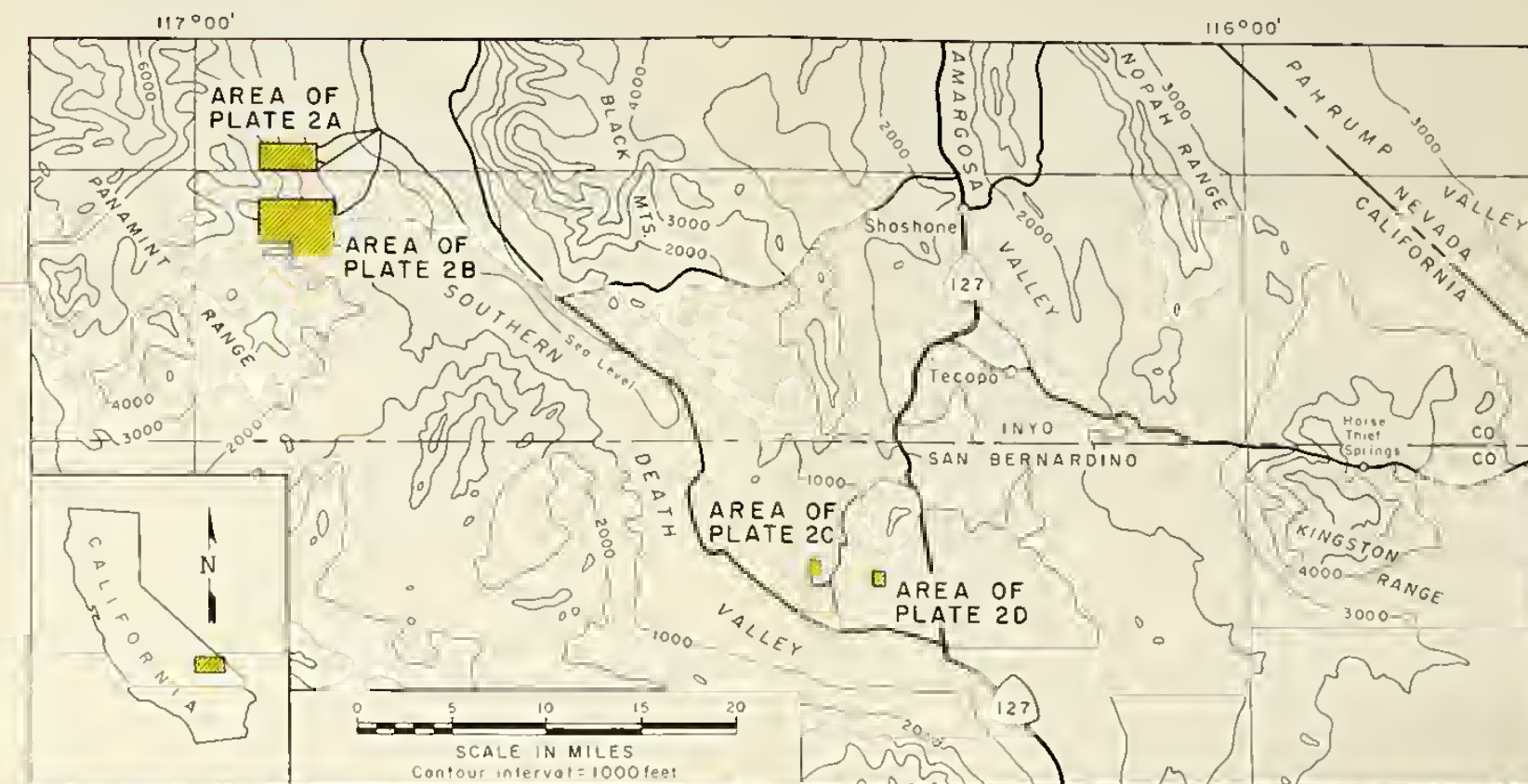


Plate 2A. Geologic map of Goleno Canyon folc-bearing oreo, southeastern Panomint Range

GEOLOGY BY L.A. WRIGHT (1955-60)



Index map of part of eastern California, showing locations of geologic maps on plate 2

EXPLANATION

Ool

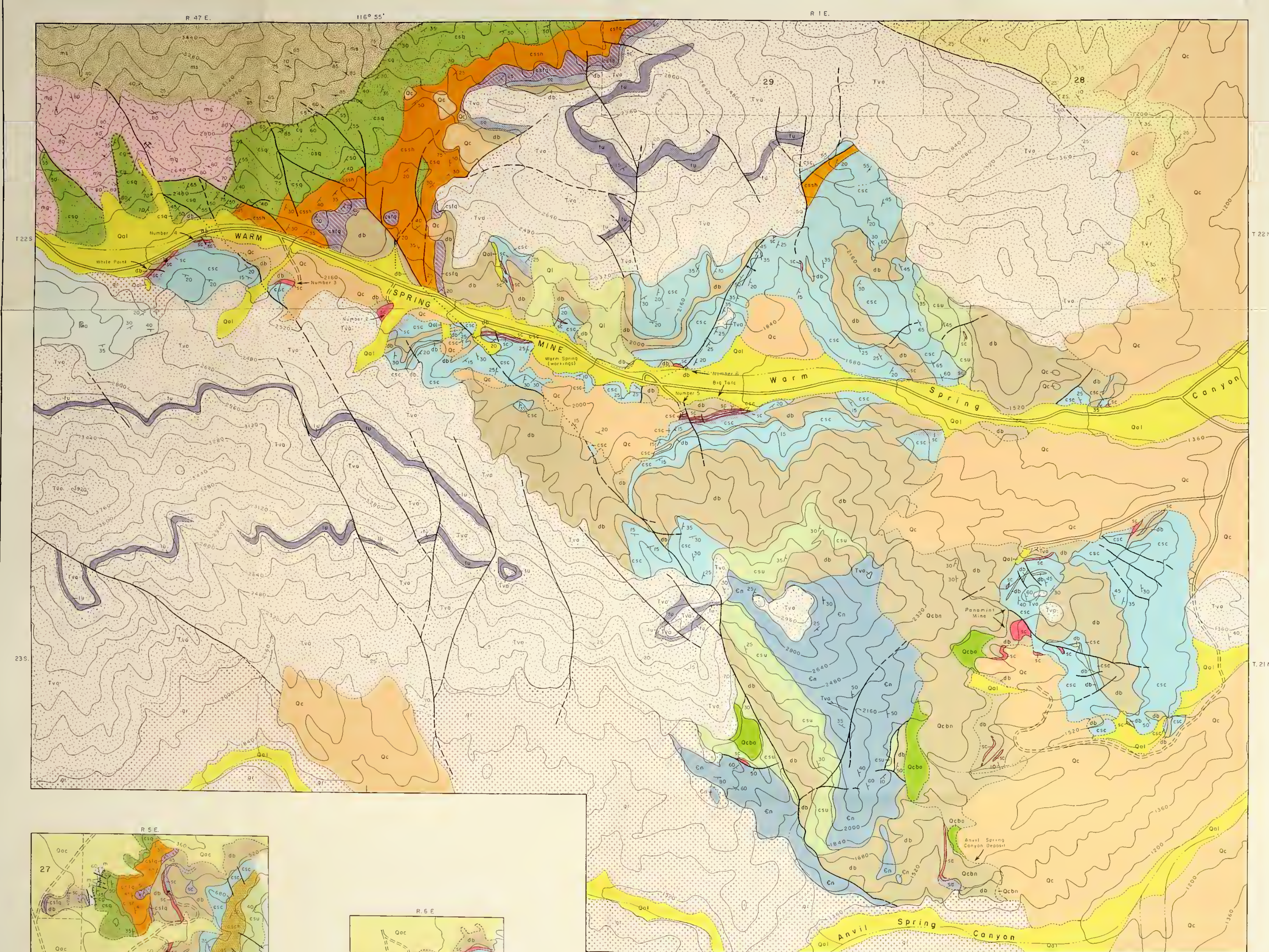
Younger alluvium

OI

Landslide material

Ooc





# GEOLOGIC MAPS OF TALC-BEARING AREAS IN THE SOUTHEASTERN PART OF THE PANAMINT RANGE, SARATOGA HILLS AND SADDLE PEAK HILLS, EASTERN CALIFORNIA

By  
L.A. WRIGHT AND B.W. TROXEL

1968

Younger and older alluvium and conglomerate (Qc)  
(Separated from Qal on map 2B), associated with masses of monolithic sedimentary breccia composed of fragments of Noanday Dolomite (Qcbl) and andesite (Qcbs)

Older alluvium and conglomerate (Qc)

Nonmarine sedimentary rock, undivided

Volcanic rocks

Mostly flows and pyroclastics; Tvr = rhyolitic, commonly glassy; Tva = andesitic rocks containing layer of white tuff (tu)

Granitic rocks

Anvil Spring Formation

Mostly limestone

Johnnie Formation

Dark brown, sandy dolomite

Noanday Dolomite

Grayish yellow, massive dolomite

Kingston Peak Formation

Quartzite and metagraywacke, generally conglomeratic

Beck Spring Dolomite

Gray, massive dolomite

Diabase

Crystal Spring Formation

Upper part (csu): interbedded shale, quartzite, dolomite, and chert (csc); differentiated on maps 2C and 2D; middle part (csc): massive carbonate member, mostly dolomite, lower strata are cherty; lower part: fine grained quartzite member (csq) with subordinate dolomite and silicified rock; purple shale member (csn) containing purple to pale blue shale and fine-grained quartzite; felsophatic quartzite member (csq), medium-to coarse-grained, generally with basal conglomerate (cg). On Galena Canyon map (24) lower part is undivided (csi)

Metamorphic rocks

Complex of metamorphic rocks intruded by pegmatite dikes in Warm Spring and Galena Canyon (maps 2A and B) mostly quartz-mica schist (ms) intruded by body of granitic gneiss (mg); undivided (m) in Saratoga Hills

Silicified rock

Silicified rock containing abundant talc and/or tremolite. Solid red where composed largely of material of commercial interest, shaded where undivided or mixed with abundant waste rock

SYMBOLS

Contact

Dashed where approximately located

Fault

Dashed where approximately located, dotted where concealed

Axis of anticline

Strike and dip of bedding

Strike and dip of overturned beds

Horizontal beds

Strike and dip of foliation

Strike of vertical foliation

Mine

Shaft

Entrance to adit

Geology mapped by L.A. Wright and B.W. Troxel (1955-1960)

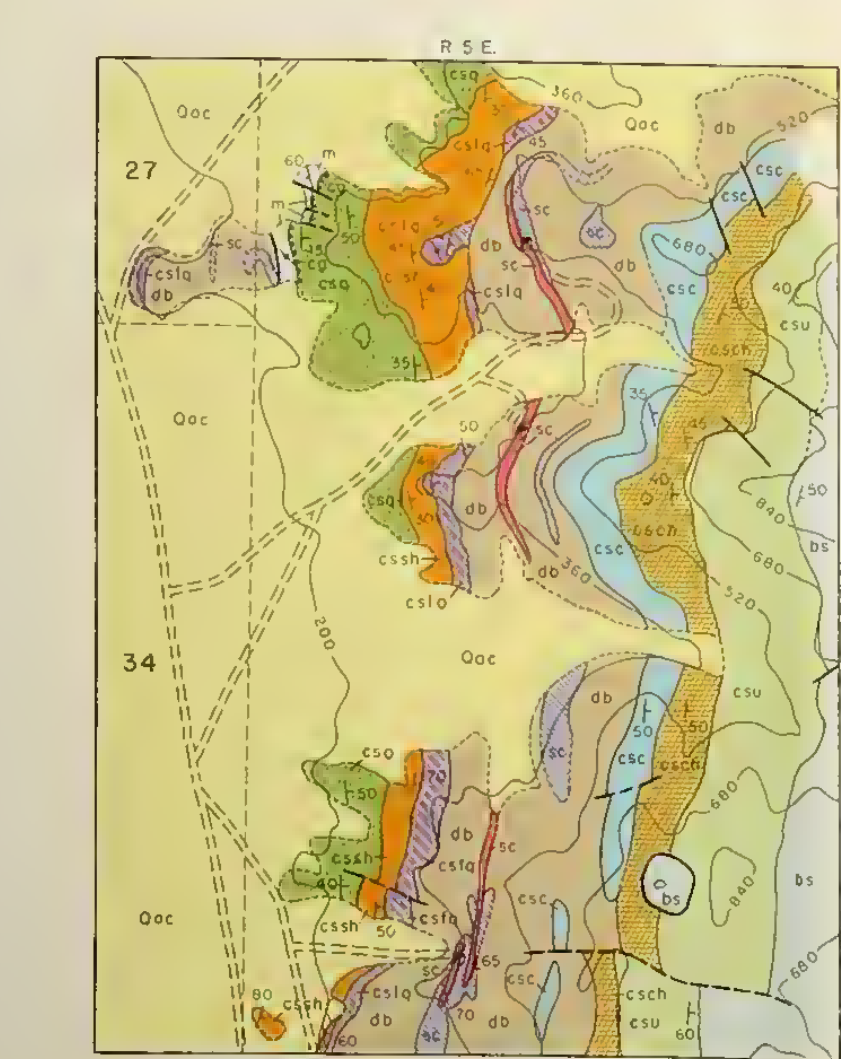


Plate 2C. Geologic map of part of Saratoga Hills showing area of Saratoga talc mine

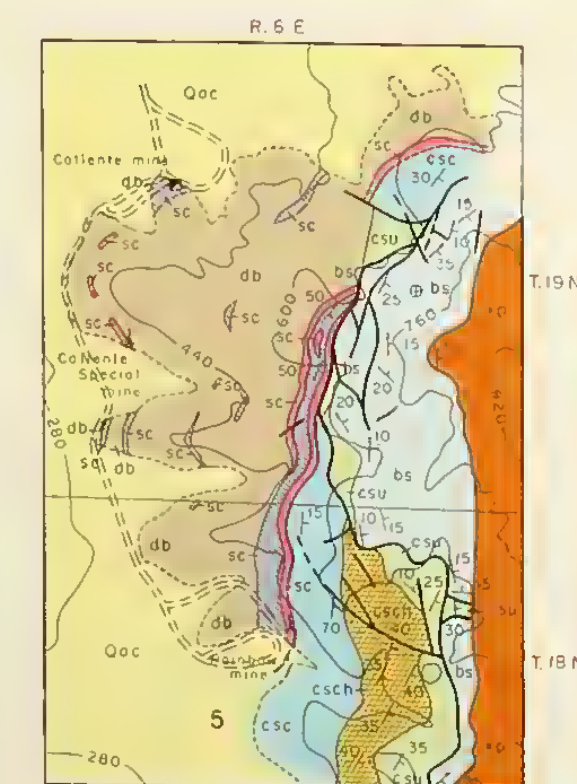
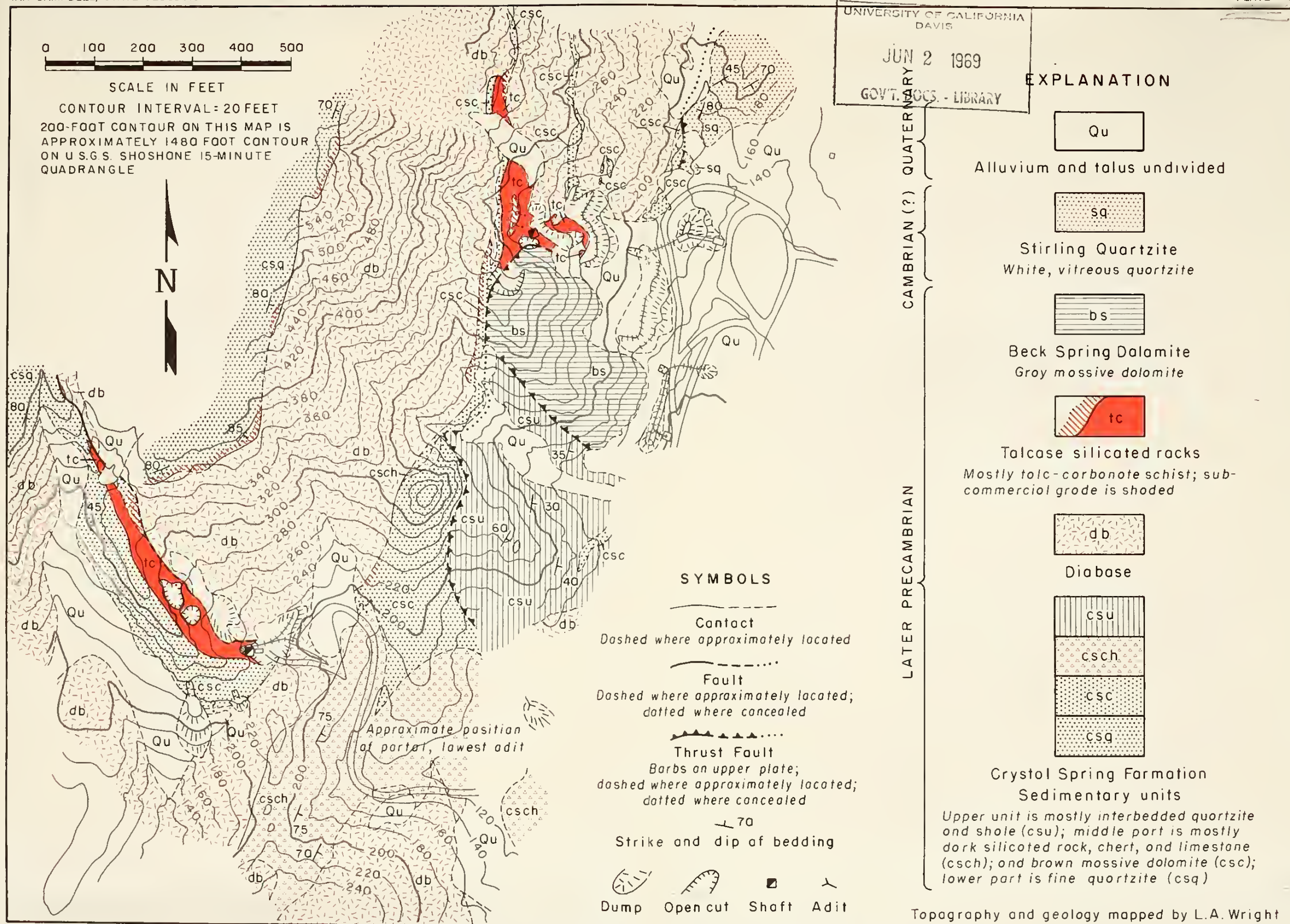


Plate 2D. Geologic map of part of Saddle Peak Hills showing area of Rainbow mine.

Base maps adopted from the following U.S. Geological Survey topographic sheets: Wingate Wash, Bannell Well and Avawatz Pass

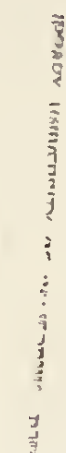




# GEOLOGIC MAP OF MONARCH-PLEASANTON MINE AREA

By  
L.A. Wright  
1968





Topography and geology mapped by L. A. Wrigh