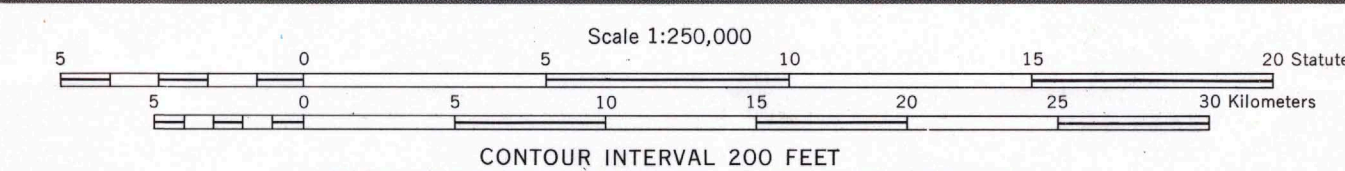
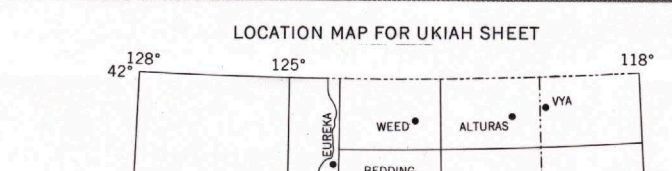


QUATERNARY	Recent volcanic: Qv <sup>1</sup> -rhyolite; Qv <sup>2</sup> -andesite; Qv <sup>3</sup> -basalt; Qv <sup>4</sup> -pyroclastic rocks
Qd	Dune sand
Qal	Alluvium
Qsc	Stream channel deposits
Qf	Fan deposits
Qb	Basin deposits
Qs	Salt deposits
Ql	Quaternary lake deposits
Qt	Quaternary nonmarine terrace deposits
Qp	Pleistocene marine and marine terrace deposits
Qc	Pleistocene nonmarine
Qm	Plio-Pleistocene nonmarine
Qn	Undivided Pliocene nonmarine
Qo	Upper Pliocene nonmarine
Qp	Upper Pliocene marine
Qm	Middle and/or lower Pliocene nonmarine
Qo	Middle and/or lower Pliocene marine
Qn	Undivided Miocene nonmarine
Qo	Upper Miocene nonmarine
Qm	Upper Miocene marine
Qn	Middle Miocene nonmarine
Qo	Middle Miocene marine
Qm	Lower Miocene nonmarine
Qo	Lower Miocene marine
Qn	Oligocene nonmarine
Qo	Oligocene marine
Qn	Eocene nonmarine
Qo	Eocene marine
Qn	Paleocene nonmarine
Qo	Paleocene marine
Qn	Cenozoic nonmarine
Qo	Tertiary nonmarine
Qn	Tertiary lake deposits
Qo	Tertiary marine
Qn	Undivided Cretaceous marine
Qo	Upper Cretaceous marine
Qn	Lower Cretaceous marine
Qo	Knoxville Formation
Qn	Upper Jurassic marine
Qo	Middle and/or Lower Jurassic marine
Qn	Triassic marine
Qo	Pre-Cretaceous metamorphic rocks (a = limestone or dolomite)
Qn	Pre-Cretaceous metamorphic rocks (a = limestone or dolomite)
Qo	Pre-Cretaceous metasedimentary rocks (a = limestone or dolomite)
Qn	Paleozoic marine (a = limestone or dolomite)
Qo	Permian marine
Qn	Undivided Carboniferous marine
Qo	Pennsylvanian marine
Qn	Mississippian marine
Qo	Devonian marine
Qn	Silurian marine
Qo	Pre-Silurian meta-sedimentary rocks
Qn	Ordovician marine
Qo	Cambrian marine
Qn	Cambrian - Precambrian marine
Qo	Undivided Precambrian metamorphic rocks
Qn	Later Precambrian sedimentary and metamorphic rocks
Qo	Earlier Precambrian metamorphic rocks
Qn	Franciscan volcanic and metamorphic rocks
Qo	Mesozoic granitic rocks: g <sup>1</sup> -granite and andesite; g <sup>2</sup> -granodiorite; g <sup>3</sup> -tonalite and diorite
Qn	Mesozoic basic intrusive rocks
Qo	Mesozoic ultrabasic intrusive rocks
Qn	Jura-Trias metavolcanic rocks
Qo	Pre-Cretaceous metamorphic rocks (a = limestone or dolomite)
Qn	Pre-Cretaceous metamorphic rocks (a = limestone or dolomite)
Qo	Pre-Cretaceous metamorphic rocks (a = limestone or dolomite)
Qn	Paleozoic metamorphic rocks
Qo	Permian metamorphic rocks
Qn	Carboniferous metamorphic rocks
Qo	Devonian metamorphic rocks
Qn	Devonian and pre-Devonian? metamorphic rocks
Qo	Pre-Silurian metamorphic rocks
Qn	Pre-Silurian metamorphic rocks
Qo	Undivided Precambrian granitic rocks
Qn	Undivided Precambrian granitic rocks
Qo	Precambrian anorthosite

TOPOGRAPHIC BASE MAP  
Prepared by the Army Map Service (KCSX), Corps of Engineers, U. S. Army, Washington, D. C. Completed in 1957 from United States Quadrangles, 1:24,000, 1:25,000, 1:50,000, 1:62,500, U. S. Geological Survey and Army Map Service, 1:62,500, USGS Chart 5602, 1956. Planimetric detail revised by photo-planimetric methods. Control by USGS, USC&GS and CE. Map field checked 1957.

SUBMARINE CONTOUR INTERVAL 300 FEET  
Local depressions 1500  
Limit of danger: Reef  
Rocks: Awash: Sunken  
Fast-flowing flat:  
Intermittent or dry stream  
Marsh or swamp

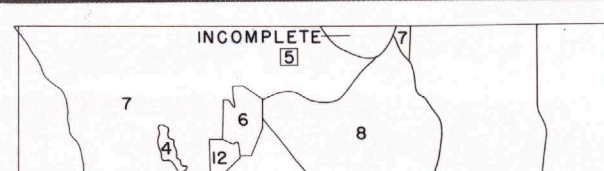


CONTOUR INTERVAL 200 FEET  
WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS  
**GEOLOGIC MAP OF CALIFORNIA**  
OLAF P. JENKINS EDITION  
**UKIAH SHEET**

COMPILATION BY CHARLES W. JENNINGS AND RUDOLPH G. STRAND 1960  
THIRD PRINTING, 1992

Contact  
(Dashed where approximately located  
gradational or inferred)

Fault  
(Dashed where approximately located)



INDEX TO GEOLOGIC MAPPING  
(COMPLETE INDEX ON EXPLANATORY SHEET)  
1. Anderson, Charles A., 1936  
2. Anonymous, unpublished  
3. Banks, P., Iwamura, T., and West, L. J., unpublished  
4. California Division Water Resources, 1956  
5. Chesterman, Charles W., unpublished  
6. Clark, Samuel G., 1940  
7. Irwin, W. P., and Tatlock, D. B., 1955 and Irwin, W. P., 1960  
8. Kilmer, F., Voloshin, V., Cippert, J., and Hicks, B., unpublished  
9. Lewin, John E., unpublished  
10. Myers, W. B., unpublished  
11. Olmsted, F. H., and Davis, G. H., 1958  
12. Wyatt, W. C., and Taylor, C., unpublished

HEAVY BORDER ON BOXES INDICATES UNITS THAT APPEAR ON THIS SHEET