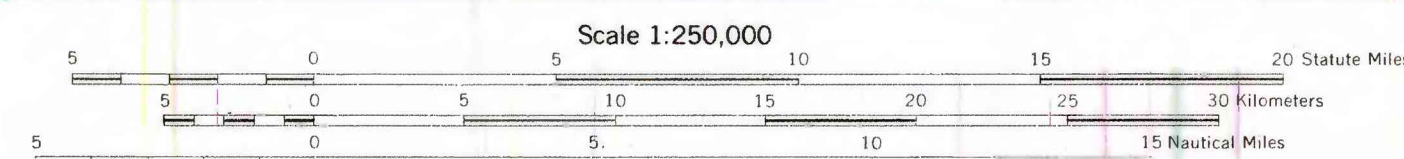


Base from U.S. Geological Survey, 1956  
Revised 1969



Scale 1:250,000  
CONTOUR INTERVAL 200 FEET  
WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS  
TRANSVERSE MERCATOR PROJECTION  
BLACK NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 11  
1983 MAGNETIC DECLINATION FROM TRUE NORTH FOR THIS SHEET VARIES FROM 15° (70' HILLS) EASTERLY  
FOR THE CENTER OF THE WEST EDGE TO 14°30' (640' HILLS) EASTERLY FOR THE CENTER OF THE EAST EDGE.

**PRELIMINARY MAP OF LIMONITIC HYDROTHERMAL ALTERATION FOR PORTIONS  
OF THE NEEDLES 1° X 2° QUADRANGLE, ARIZONA AND CALIFORNIA  
BY  
GARY L. RAINES  
1983**

This map is preliminary and has not been reviewed for conformity  
with U.S. Geological Survey editorial standards.