

V502, EDITION 5

Prepared by the U.S. Army Topographic Command (KCBM), Washington, D.C. Compiled in 1957 by photogrammetric methods and from United States quadrangles, 1:24,000, 1:50,000, and 1:62,500, 1947-54. Metropolitan Water District, 1:120,000, California, Sheet 69, 1929. Planimetry revised in part from aerial photographs taken 1947-55. Photographs field annotated 1956. Revised by the U.S. Geological Survey 1969.

100,000-foot grids based on California coordinate system, zones 5 and 6, and Arizona coordinate system, west zone.

Location of geodetic control established by government agencies is shown on corresponding 1:250,000-scale Geodetic Control Diagram

LEGEND

Figures in red denote approximate distances in miles between stars

POPULATED PLACES	Primary, all-weather, hard surface	Landmark, School, Church, Other, etc.
Over 500,000	Secondary, all-weather, hard surface	Spot elevation in feet
100,000 to 500,000	Light-duty, all-weather, hard or improved surface	Marsh or swamp
25,000 to 100,000	Fair or dry weather, unimproved surface	Seaplane anchorage
5,000 to 25,000	Trail	Woods/brushwood
1,000 to 5,000	Interchange	Power line, Mine
Less than 1,000	Sun Valley Route markers: Interstate, U.S., State	

RAILROADS

Normal gauge

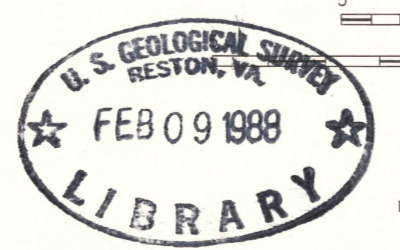
Narrow gauge

BOUNDARIES

State

County

Park or reservation



Scale 1:250,000

0 5 10 15 20 25 30 Statute Miles

0 5 10 15 20 25 30 Kilometers

0 5 10 15 20 25 30 Nautical Miles

CONTOUR INTERVAL 200 FEET

WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS

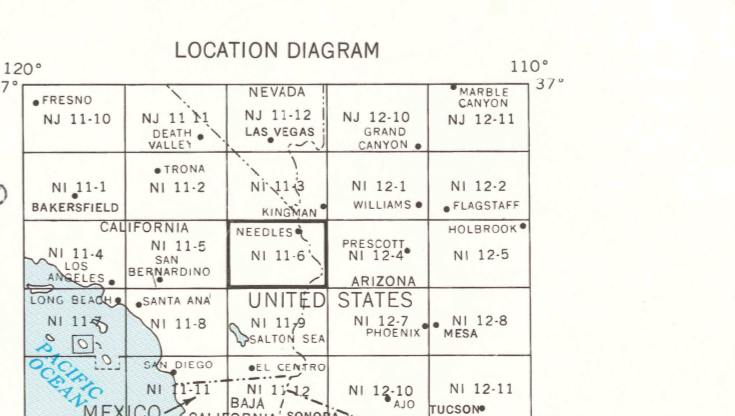
TRANSVERSE MERCATOR PROJECTION

BLACK NUMBERED LINES INDICATE THE 10,000 METRE UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 11

1969 MAGNETIC DECLINATION FROM TRUE NORTH FOR THIS SHEET VARIES FROM 15° (270 MILS) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 14°30' (260 MILS) EASTERLY FOR THE CENTER OF THE EAST EDGE.

UNITED STATES TOPO. 1:250,000
NEEDLES, CA-AR
1969
Copy 1

FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092



SECTIONIZED TOWNSHIP

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

GRID ZONE DESIGNATION: 11S

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 300 METRES

GRID ZONE DESIGNATION: 11S

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 300 METRES

SAMPLE POINT: HAVLAND

1. Read letters identifying 100,000 metre squares in which the point lies.

2. Locate first vertical grid line to left of point and read LARGE figure labeling the line either in the top or bottom margin, or on the line itself from grid line to point.

3. Locate first horizontal grid line below point and read LARGE figure labeling the line either in the left or right margin, or on the line itself.

4. Estimate tenths from grid line to point.

SAMPLE REFERENCE: 049854

If reporting beyond 30' in any direction, prefix Grid Zone Designation, e.g., 11S049854