

V502  
Edition 3-AMS (First Printing, 2-60)

Prepared by the Army Map Service (CGS), Corps of Engineers, U.S. Army, Washington, D.C. Compiled in 1954 by U.S. Coast and Geodetic Survey by photogrammetric methods and from Arizona 1:62,500, USGS, Davis Dam, 1950. Planimetric detail revised by photogrammetric methods. Horizontal and vertical control by USCGS, USGS, and CE. Photography field annotated 1954.

**LEGEND**

**ROAD DATA 1954**  
Figures in red denote approximate distances in miles between stars

**POPULATED PLACES**

Over 500,000	<b>LOS ANGELES</b>
100,000 to 500,000	<b>OMAHA</b>
25,000 to 100,000	<b>GALVESTON</b>
5,000 to 25,000	<b>Laramie</b>
1,000 to 5,000	<b>Grand Coulee</b>
Less than 1,000	<b>San Valley</b>

**RAILROADS**

Standard gauge	Single track
Narrow gauge	Double or Multiple
Standard gauge	Landplane airport
International	Landing area
State	Seaplane airport
County	Dry lake
Park or reservation	Wood-brushwood

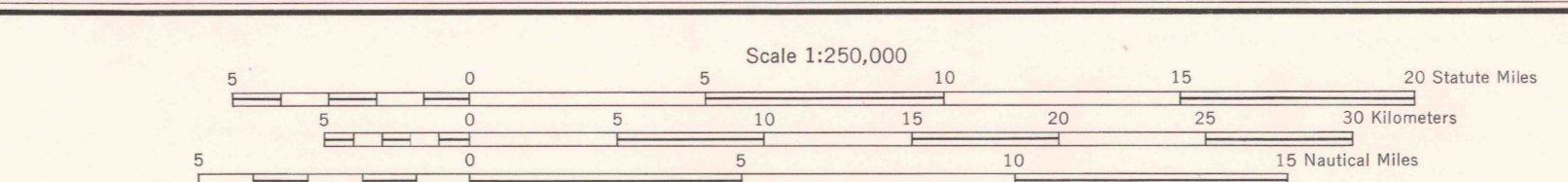
**Landmarks: School; Church; Other**

**Spot elevation in feet**

**Marsh or swamp**

**Intermittent or dry stream**

**Power line**



**LOCATION DIAGRAM FOR N11-3**

MAHONIA	NEEDLES	ARIZONA	HOUSTON
N11-7	N11-8	N11-9	N11-10
N11-10	N11-11	N11-12	N11-13
N11-11	N11-12	N11-13	N11-14
N11-12	N11-13	N11-14	N11-15
N11-13	N11-14	N11-15	N11-16
N11-14	N11-15	N11-16	N11-17
N11-15	N11-16	N11-17	N11-18
N11-16	N11-17	N11-18	N11-19
N11-17	N11-18	N11-19	N11-20

**RELIABILITY DIAGRAM**

Good Photography

A. Large scale topographic maps, photogrammetric source 1:50,000

1. Stereo compiled from 1954 aerial photography

2. Planimetric revised from 1954 aerial photography

**GRID ZONE DESIGNATION**  
11S

**TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 500 METERS**

**GRID SQUARE IDENTIFICATION**

**SAMPLE POINT: SEARCHLIGHT**

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

2. Locate first VERTICAL grid line to LEFT of point and read LETTER figure bearing the line.

3. Locate first HORIZONTAL grid line to point.

4. Locate first VERTICAL grid line to RIGHT of point and read LETTER figure bearing the line.

5. Estimate tenths from grid line to point.

**SAMPLE REFERENCE:**

1. 100,000 meter squares bearing the letters N11-13 and 11S.

2. 50,000 meter squares bearing the letters N11-13 and 11S.

3. 25,000 meter squares bearing the letters N11-13 and 11S.

4. 10,000 meter squares bearing the letters N11-13 and 11S.

