



Prepared by the Army Map Service (BEFF), Corps of Engineers, U.S. Army, Washington, D.C. Compiled in 1954 by photogrammetric methods and from USGS quadrangles, 1:24,000 and 1:62,500, 1947-51. Planimetric detail revised by photogrammetric methods. Horizontal and vertical control by USGS and USCGS. Photogrammetry field annotated 1954. Limited revision by U.S. Geological Survey 1965.

100,000-foot grids based on Arizona coordinate system, east and central zones.

10,000-meter Universal Transverse Mercator grid ticks, zone 12, shown in blue.

LEGEND

ROAD DATA 1954 PARTIALLY REVISED 1965
 Figures in red denote approximate distances in miles between stars.

POPULATED PLACES

Over 500,000	LOS ANGELES
100,000 to 500,000	OMAHA
25,000 to 100,000	GALVESTON
5,000 to 25,000	Laramie
1,000 to 5,000	Grand Coulee
Less than 1,000	Other

RAILROADS

Standard gauge	Single track
Narrow gauge	Double or multiple
International	Horizontal control point
State	Spot elevation in feet
County	Marsh or swamp
Park or reservation	Orchard
	Woods-brushwood
	Power line
	Approximate road alignment

ROADS

Hard surface, heavy duty	3 LANES & 2 LANES
More than two lanes wide	2 LANES & 2 LANES
Two lanes wide, Federal route marker	2 LANES & 2 LANES
Hard surface, medium duty	2 LANES & 2 LANES
More than two lanes wide	2 LANES & 2 LANES
Two lanes wide, State, Interstate route markers	2 LANES & 2 LANES
Improved dirt duty	2 LANES & 2 LANES
Unimproved dirt	2 LANES & 2 LANES
Trail	2 LANES & 2 LANES

BOUNDARIES

Landplane airport	Landmarks: School; Church; Other, 2 1/2
Landing area	Horizontal control point
Seaplane airport	Spot elevation in feet
Obchard	Marsh or swamp
Woods-brushwood	Orchard
Power line	Woods-brushwood

Scale 1:250,000

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

1960 MAGNETIC DECLINATION FOR THIS SHEET VARIES FROM 14°15' EASTERLY FOR THE CENTER OF THE WEST EDGE TO 13°30' EASTERLY FOR THE CENTER OF THE EAST EDGE. MEAN ANNUAL CHANGE IS 0°01' WESTERLY.

FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D.C. 20242

LOCATION DIAGRAM

NEVADA	NI 11-3	NI 12-1	NI 12-2	NI 12-3	NI 13-1
NEBRASKA	NI 11-6	NI 12-4	NI 12-5	NI 12-6	NI 13-4
CALIF.	NI 11-9	NI 12-7	NI 12-8	NI 12-9	NI 13-7
UTAH	NI 11-12	NI 12-10	NI 12-11	NI 12-12	NI 13-10
ARIZONA	NI 11-15	NI 12-13	NI 12-14	NI 12-15	NI 13-13
SONORA	NI 11-18	NI 12-16	NI 12-17	NI 12-18	NI 13-16
CHIHUAHUA	NI 11-21	NI 12-19	NI 12-20	NI 12-21	NI 13-19

RELIABILITY DIAGRAM

SECTIONIZED TOWNSHIP

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

TOWNSHIP OR RANGE LINE

LAND GRANT BOUNDARY

USGS Historical File Topographic Division

MESA, ARIZONA

1954

LIMITED REVISION 1965

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14,995