



Prepared by the Army Map Service (IGS), Corps of Engineers, U.S. Army, Washington, D.C. Compiled in 1956 by U.S. Coast and Geodetic Survey by photogrammetric methods and from USGS quadrangles 1:62,500, 1949-50. Planimetric detail revised by photogrammetric methods. Horizontal and vertical control by USGS, USCGS and USCE. Photographic field annotated 1954. Limited revision by U.S. Geological Survey 1963.

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

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

LEGEND

ROAD DATA 1954 PARTIALLY REVISED 1962
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	Salt Valley

RAILROADS

Single track	Standard gauge
Double or multiple	Narrow gauge
Landplane airport	Landing area
International	Seaplane airport
State	Orchard
County	Woods/bushwood
Park or reservation	

ROADS

Hard surface, heavy duty	More than two lanes wide	3 LANES & LARGER
Hard surface, medium duty	Two lanes wide	2 LANES
Hard surface, light duty	More than two lanes wide	3 LANES & LARGER
Improved light duty	Two lanes wide	2 LANES
Unimproved dirt		
Trail		

LANDMARKS

School	Church	Other
Horizontal control point	Windmill	
Spot elevation in feet		
Marsh or swamp		
Intermittent or dry stream		
Power line		

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

1960 MAGNETIC DECLINATION FOR THIS SHEET VARIES FROM 15°00' EASTERLY FOR THE CENTER OF THE WEST EDGE TO 14°30' EASTERLY FOR THE CENTER OF THE EAST EDGE. MEAN ANNUAL CHANGE IS 0°01' WESTERLY.

FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER 25, COLORADO OR WASHINGTON 25, D. C.

LOCATION DIAGRAM FOR NI 12-1

COLO. NI 118	COLO. NI 119	COLO. NI 120	COLO. NI 121	COLO. NI 122
NEVADA NI 117	NEVADA NI 118	NEVADA NI 119	NEVADA NI 120	NEVADA NI 121
ARIZONA NI 116	ARIZONA NI 117	ARIZONA NI 118	ARIZONA NI 119	ARIZONA NI 120
ARIZONA NI 115	ARIZONA NI 116	ARIZONA NI 117	ARIZONA NI 118	ARIZONA NI 119

RELIABILITY DIAGRAM

Photography

1. Large scale topographic map, photogrammetric survey, 1947.

2. Stereo compiled from 1948 aerial photography.

3. Planimetry revised from 1954 aerial photography.

USGS INTERIOR-GEOLOGICAL SURVEY, WASHINGTON, D.C.—1963

Historical File
Topographic Division

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

TOWNSHIP OR RANGE LINE
LAND GRANT BOUNDARY

WILLIAMS, ARIZONA
1956
LIMITED REVISION 1963

DEC 19 1963

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