



V502
Edition 2-AMS (First Printing, 10-58)
Prepared by the Army Map Service (AGCS), Corps of Engineers, U.S. Army, Washington, D.C. Compiled in 1955 by photogrammetric methods and from: United States Quadrangles, 1:62,500, U.S. Geological Survey, 1906-51; United States Quadrangles, 1:125,000, U.S. Geological Survey, Independence, 1905; Kansas, 1:50,000, AMS, 7058 I, 1953. Horizontal and vertical control by USGS, USACGS and CE. Photography field annotated 1953-54.

LEGEND

Figures in red denote approximate distances in miles between stars

POPULATED PLACES

Over 500,000	Large city
100,000 to 500,000	Medium city
25,000 to 100,000	Small city
5,000 to 25,000	Village
1,000 to 5,000	Hamlet
Less than 1,000	Unincorporated place

ROADS

Hard surface, heavy duty	3 LANES (1-2 LANES)
More than two lanes wide	2 LANES (1-2 LANES)
Hard surface, medium duty	2 LANES (1-2 LANES)
More than two lanes wide	2 LANES (1-2 LANES)
Two lanes wide, State route marker	2 LANES (1-2 LANES)
Improved light duty	2 LANES (1-2 LANES)
Unimproved dirt	2 LANES (1-2 LANES)
Sun Valley	2 LANES (1-2 LANES)
Trail	2 LANES (1-2 LANES)

RAILROADS

Standard gauge	Single track Double or Multiple track
Narrow gauge	Single track Double or Multiple track

BOUNDARIES

International	State	County	Park or reservation
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LANDMARKS

School; Church; Other	Horizontal control point	Spot elevation in feet	Marsh or swamp
Landing airport	Seaplane airport	Seaplane anchorage	Woods-brushwood
Landmark	Horizontal control point	Spot elevation in feet	Marsh or swamp
Landmark	Horizontal control point	Spot elevation in feet	Marsh or swamp

RAILROADS

Standard gauge: Single track Double or Multiple track

Narrow gauge: Single track Double or Multiple track

BOUNDARIES

International: Dashed line with triangles

State: Dashed line with squares

County: Dashed line with circles

Park or reservation: Dashed line with stars

LANDMARKS

School; Church; Other: Circle with cross

Horizontal control point: Circle with dot

Spot elevation in feet: Circle with number

Marsh or swamp: Wavy lines

Seaplane airport: Circle with 'A'

Seaplane anchorage: Circle with 'S'

Woods-brushwood: Shaded area

Scale 1:250,000

0 5 10 15 20 Statute Miles

0 5 10 15 20 Nautical Miles

CONTOUR INTERVAL 100 FEET

WITH SUPPLEMENTARY CONTOURS AT 50 FOOT INTERVALS

TRANSVERSE MERCATOR PROJECTION

BLUE NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 15

THE LAST FOUR DIGITS OF THE GRID NUMBERS ARE OMITTED

1955 MAGNETIC DECLINATION FOR THIS SHEET VARIES FROM 9°10' EASTERLY FOR THE CENTER OF THE WEST EDGE TO 7°45' EASTERLY FOR THE CENTER OF THE EAST EDGE. MEAN ANNUAL CHANGE IS 0°01' WESTERLY.

1955 NOTING ERRORS OR OMISSIONS ON THIS MAP ARE USED TO MARK HEREON AND FORWARD DIRECTLY TO COMMANDING OFFICER, ARMY MAP SERVICE, WASHINGTON, D.C. WAS SO FORWARDED WILL BE RETURNED OR REPLACED IF DESIRED.

LOCATION DIAGRAM FOR NJ 15-7

NJ 14-2	NJ 14-3	NJ 15-3	NJ 15-4	NJ 15-5
NJ 14-5	NJ 14-6	NJ 15-6	NJ 15-7	NJ 15-8
NJ 14-8	NJ 14-9	NJ 15-9	NJ 15-10	NJ 15-11
NJ 14-11	NJ 14-12	NJ 15-12	NJ 15-13	NJ 15-14
NJ 14-17	NJ 14-18	NJ 15-18	NJ 15-19	NJ 15-20
NJ 14-23	NJ 14-24	NJ 15-24	NJ 15-25	NJ 15-26
NJ 14-31	NJ 14-32	NJ 15-32	NJ 15-33	NJ 15-34
NJ 14-37	NJ 14-38	NJ 15-38	NJ 15-39	NJ 15-40

RELIABILITY DIAGRAM

A. Large scale topographic maps, controlled ground survey, 1900-50.

B. Large scale topographic maps, controlled ground survey and photogrammetric, 1944-50.

C. Medium scale topographic maps, controlled ground survey, 1903.

D. Sheets compiled from 1:50,000, 2:50,000 aerial photography, 1953.

United States, Topo. 1:250,000 sheet Joplin, 1953. cop. 1.

PRINTED BY ARMY MAP SERVICE, CORPS OF ENGINEERS, 10-58, 665057

GRID ZONE DESIGNATION: 15S

100,000 M. SQUARE IDENTIFICATION: 401 TN UN VN

TO GIVE A STANDARD REFERENCE ON THIS SHEET TO NEAREST 100 METERS:

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

2. Locate the point on the grid and read the letters of the 100 meter square in which the point lies.

3. Estimate tenths from grid line to point.

4. Locate the point on the grid and read the letters of the 100 meter square in which the point lies.

5. Estimate tenths from grid line to point.

6. Combine the letters of the grid number and the tenths to give the standard reference.

7. If the point lies on a grid line, the tenths figure is 0.

8. If the point lies on a grid line, the tenths figure is 0.

9. If the point lies on a grid line, the tenths figure is 0.

10. If the point lies on a grid line, the tenths figure is 0.

