



V502, EDITION 3
 Prepared by the U.S. Army Topographic Command (FSGE), Washington, D.C. Compiled in 1955 by photogrammetric methods and from United States quadrangles, 1:48,000, 1923-36. Plainimetry revised from aerial photographs taken 1953. Photographs field annotated 1953. Revised by the U.S. Geological Survey 1970.
 Area covered by dashed light-blue pattern is subject to controlled inundation
 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

ROADS
 Primary, all-weather, hard surface
 Secondary, all-weather, hard surface
 Light-duty, all-weather, hard or improved surface
 Fair or dry weather, unimproved surface
 Trail
 Route markers: Interstate, U.S., State

RAILROADS
 Standard gauge
 Narrow gauge
 Landplane airport
 Seaplane airport
 Seaplane anchorage
 Woods/bushwood

POPULATED PLACES
 Over 500,000
 100,000 to 500,000
 25,000 to 100,000
 5,000 to 25,000
 1,000 to 5,000
 Less than 1,000

BOUNDARIES
 International
 State
 County
 Park or reservation

LANDMARKS
 School; Church; Other
 Mine
 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 Nautical Miles

**CONTOUR INTERVAL 200 FEET
 WITH SUPPLEMENTARY CONTOURS AT 100 FOOT INTERVALS
 TRANSVERSE MERCATOR PROJECTION**

BLACK NUMBERED LINES INDICATE THE 10,000 METER UNIVERSAL TRANSVERSE MERCATOR GRID, ZONE 12
 1970 MAGNETIC DECLINATION FROM TRUE NORTH VARIES FROM 15° (270 MILS) EASTERLY FOR THE CENTER OF THE WEST EDGE TO 14° (260 MILS) EASTERLY FOR THE CENTER OF THE EAST EDGE

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

LOCATION DIAGRAM

NJ 11-5	NJ 11-6	NJ 11-7	NJ 11-8	NJ 11-9	NJ 11-10	NJ 11-11	NJ 11-12
NJ 12-1	NJ 12-2	NJ 12-3	NJ 12-4	NJ 12-5	NJ 12-6	NJ 12-7	NJ 12-8
NJ 13-1	NJ 13-2	NJ 13-3	NJ 13-4	NJ 13-5	NJ 13-6	NJ 13-7	NJ 13-8
NJ 14-1	NJ 14-2	NJ 14-3	NJ 14-4	NJ 14-5	NJ 14-6	NJ 14-7	NJ 14-8

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

GRID ZONE DESIGNATION: 12S
 100,000 M SQUARE IDENTIFICATION

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

1. Read north-south (vertical) grid line to left of point and read LARGE figure showing the line within or on the top or bottom margin, or on the line itself.
 2. Estimate tenths from grid line to point.
 3. Locate the horizontal grid line below point and read LARGE figure showing the line within or on the top or bottom margin, or on the line itself.
 4. Estimate tenths from grid line to point.

SAMPLE REFERENCE:
 If reporting beyond 10" in any direction, prefix Grid Zone Designation, e.g. 12S09R83M

TOWNSHIP OR RANGE LINE
LAND GRANT BOUNDARY

GRAND CANYON, ARIZONA
 1953
 REVISED 1970

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