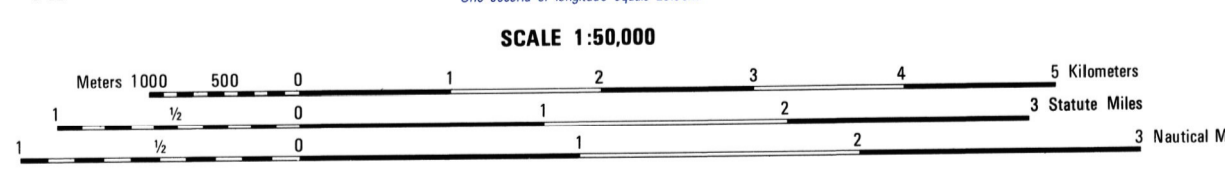
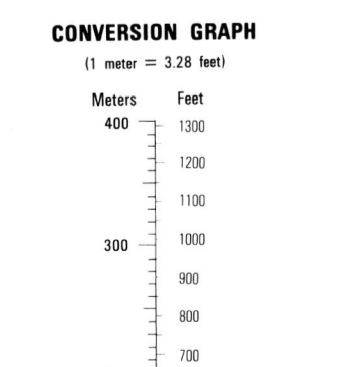


Prepared by the U.S. Geological Survey for publication by the Defense Mapping Agency
MAP INFORMATION AS OF 1992.



- LEGEND**
- CAUTION: ALL TELEPHONE AND ELECTRIC SERVICE LINES ARE NOT SHOWN.
- A LANE ON THIS MAP IS CONSIDERED TO BE 2.5 METERS WIDE.
- IN DEVELOPED AREAS ONLY THROUGH ROADS ARE CLASSIFIED.
- THERE MAY BE PRIVATE ENCLOSURES WITHIN THE BOUNDARIES OF THE NATIONAL OR STATE RESERVATIONS SHOWN ON THIS MAP.
- Roads: Divided highway with median strip, 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, Name markers: Interstate, Federal, State, Bridge, RAILROADS (Standard gauge 1.44m - 4'8 1/2"), Single track, Multiple track, Nonoperating, Railroad station: Location known, Location unknown, Car line, Railroad bridge, Tunnel: Highway, Railroad, BOUNDARIES: National, with monument, State, territory, County, parish, Civil township, town, Incorporated city, village, town, Reservation: National, State, Military
 - Buildings, Structures, Church, School, Power substation, Windmill, Watermill, Well, Tank, Mine shaft, Open pit mine or quarry, Horizontal control station, Bench mark, monumented, Bench mark, non-monumented, Spot elevations in meters, Levees, dikes, Bluffs, cliffs, Woodland, Scattered trees: Scrub, Vineyard: Orchard, plantation, Intermittent lake: Dam, Earthen: Masonry, Stream: Perennial: Intermittent, Marsh: Low, Small falls, Large falls, Small rapids, Large rapids



ELEVATIONS IN METERS

CONTOUR INTERVAL 10 METERS

SUPPLEMENTARY CONTOURS 5 METERS

ELLIPSOID: WORLD GEODETIC SYSTEM 1984
 GEODETIC REFERENCE SYSTEM 1980
 GRID: 1,000-METER UTM ZONE 18
 5,000-METER STATE GRID TICS, INDIANA EAST ZONE
 TRANSVERSE MERCATOR
 PROJECTION: NATIONAL GEODETIC VERTICAL DATUM OF 1929
 VERTICAL DATUM: WORLD GEODETIC SYSTEM 1984
 HORIZONTAL DATUM: NORTH AMERICAN DATUM OF 1983
 CONTROL BY: USGS AND NOS/NOAA
 PREPARED BY: U.S. GEOLOGICAL SURVEY

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100 METER REFERENCE

SAMPLE 1,000 METER GRID SQUARE

1. Read large numbers labeling the VERTICAL grid line left of point and estimate tenths (100 meters) from grid line to point. 12.3

2. Read large numbers labeling the HORIZONTAL grid line below point and estimate tenths (100 meters) from grid line to point. 45.6

Example: 123456

WHEN REPORTING ACROSS A 100,000 METER LINE, PREFIX THE FOLLOWING METER SQUARE IDENTIFICATION IN WHICH THE POINT LIES

Example: E123456

WHEN REPORTING ACROSS THE GRID ZONE DESIGNATION AREA, PREFIX THE GRID ZONE DESIGNATION

Example: 16SEJ123456

USERS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA CUSTOMER HELP DESK: 1-800-455-0898 COMMERCIAL 314-265-5022; 254-460-9022; OR WRITE TO: DIRECTOR, NATIONAL IMAGERY AND MAPPING AGENCY, ATTN: GEO. MAIL STOP 7-3, 800 SANDHAMMER ROAD, BETHESDA, MD 20815-5003.

BOUNDARIES

Johnson County
Brown County
Mankato County

ADJOINING SHEETS

3763 III	3763 II	3863 III
3762 IV	3762 I	3862 IV
3762 III	3762 II	3862 III

Sheet 3762 I falls within NJ 9-2, 10-1, 12-30, 10-10.

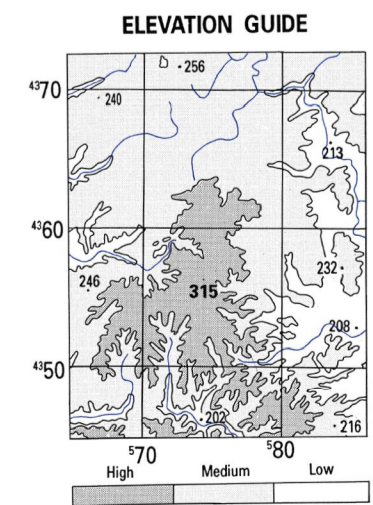
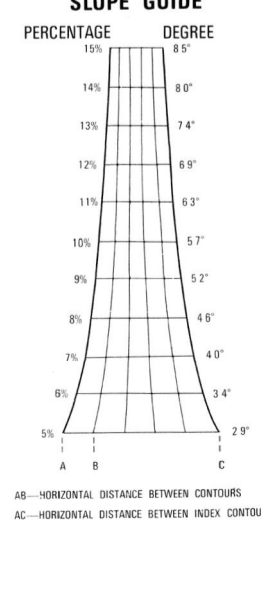
THIS MAP IS RED-LIGHT READABLE

GRID CONVERGENCE
 0°31' TO 0°32' FOR CENTER OF SHEET

1985
 GM ANGLE
 23° 00' (80 MILES)

TO CONVERT A MAGNETIC AZIMUTH TO A GRID AZIMUTH SUBTRACT GM ANGLE

TO CONVERT A GRID AZIMUTH TO A MAGNETIC AZIMUTH ADD GM ANGLE



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