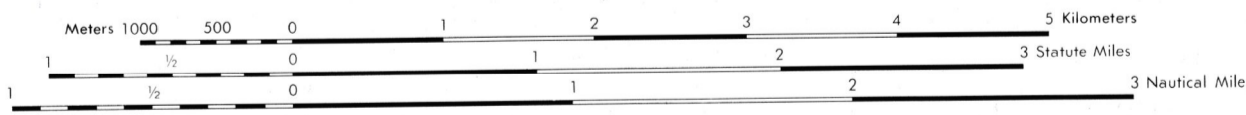


Prepared by the U.S. Geological Survey for publication by the Defense Mapping Agency Hydrographic/Topographic Center, Washington, D.C.

LEGEND

- MAP INFORMATION AS OF 1978  
ON THIS MAP, A LINE IS GENERALLY CONSIDERED AS BEING A MINIMUM OF 2.5 METERS (8 FEET) IN WIDTH. IN DEVELOPED AREAS, ONLY THROUGH ROADS ARE CLASSIFIED.
- 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
  - Railroads: Interstate, Federal, State; Route markers; Nonoperating; Railroad station, location known; Location unknown; Car line; Railroad bridge with superstructure, without superstructure; Tunnel, Highway, Railroad
  - Boundaries: National, with monument; State, territory; County, parish; Civil township, town; Incorporated city, village, town; Reservation, National, State, Military
  - Power transmission line
  - Buildings
  - Structures
  - Church, School
  - Power substation
  - Windmill, Watermill
  - Well, Tank
  - Airne shaft
  - Open pit mine or quarry
  - Horizontal control station
  - Bench mark, monument
  - Bench mark, non-monumented
  - Spot elevations in meters
  - Levees, river dikes
  - Bluffs, cliffs
  - Woodland
  - Scattered trees, Scrub
  - Vineyard, Orchard, plantation
  - Intermittent lake, Dam, Earthen, Masonry
  - Stream, Perennial, Intermittent
  - Marsh, swamp
  - Small rapids, Small falls
  - Large rapids, Large falls

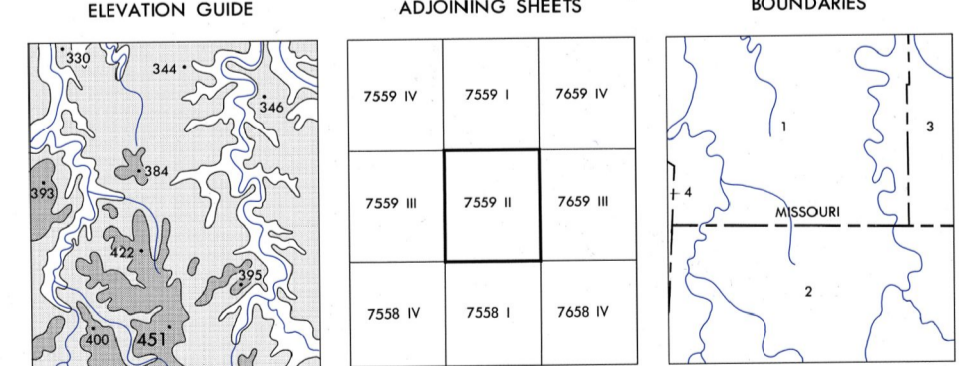


ELEVATIONS IN METERS  
CONTOUR INTERVAL 10 METERS

SPHEROID: CLARKE 1866  
GRID: 1,000 METER UTM ZONE 15 (BLACK NUMBERED LINES)  
PROJECTION: 10,000 FOOT STATE GRID TICS; HUSSOR, CENTRAL ZONE  
UNIVERSAL TRANSVERSE MERCATOR  
VERTICAL DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929  
HORIZONTAL DATUM: 1927 NORTH AMERICAN DATUM  
CONTROL BY: U.S. GEOLOGICAL SURVEY  
PRINTED BY: DMAATIC 12-79

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SAMPLE 1000 METER GRID SQUARE	100 METER REFERENCE
	<p>1. Read large numbers labeling the VERTICAL grid line left of point and estimate tenths (100 meters) from gridline to point. 1,2 3</p> <p>2. Read large numbers labeling the HORIZONTAL grid line below point and estimate tenths (100 meters) from grid line to point. 4,5 6</p> <p>Example: 123456</p> <p>WHEN REPORTING OUTSIDE THE 100,000 METER SQUARE AREA IN WHICH THE POINT LIES, PREFIX THE 100,000 METER SQUARE IDENTIFICATION. Example: WM123456</p> <p>WHEN REPORTING OUTSIDE THE GRID ZONE DESIGNATION AREA IN WHICH THE POINT LIES, PREFIX THE GRID ZONE DESIGNATION. Example: 15SWM123456</p>
WM	
GRID ZONE DESIGNATION	
15S	



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TO CONVERT A MAGNETIC AZIMUTH TO A GRID AZIMUTH TO A GRID AZIMUTH TO A MAGNETIC AZIMUTH SUBTRACT G-M ANGLE

TO CONVERT A GRID AZIMUTH TO A MAGNETIC AZIMUTH ADD G-M ANGLE

1975 G-M ANGLE 41° (80 MILS)

GRID CONVERGENCE 072' IF MILES FOR CENTER OF SHEET

NSN 7643014044079  
NIMA Ref No. V779X75592  
ED NO 006

THIS MAP IS RED-LIGHT READABLE