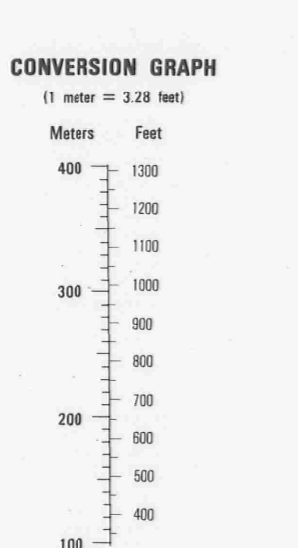


Prepared by the U.S. Geological Survey for publication by the Defense Mapping Agency  
MAP INFORMATION AS OF 1989.

**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 ENCLAVES WITHIN THE BOUNDARIES OF THE NATIONAL OR STATE RESERVATIONS SHOWN ON THIS MAP  
AREAS COVERED BY DASHED LIGHT-BLUE PATTERN ARE SUBJECT TO CONTROLLED BOUNDARIES.

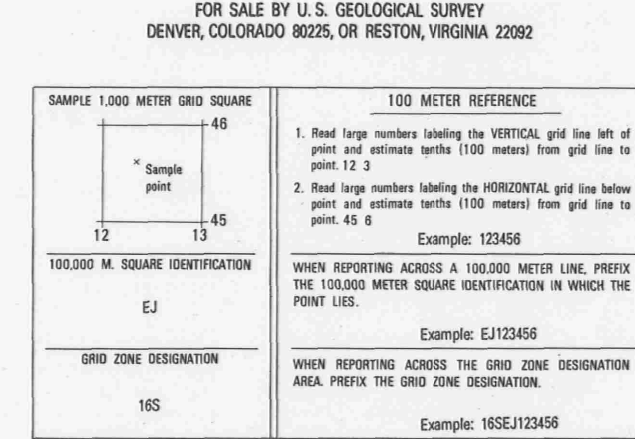
- ROADS**
  - Divided highway with median strip
  - Primary, all weather, hard surface
  - Secondary, all weather, hard or improved surface
  - Light duty, all weather, hard or improved surface
  - Fair or dry weather, unimproved surface
  - Trail
  - Route markers: Interstate, Federal, State
  - Bridge
  - Railroads (Standard gauge 1.44m - 4'9")
  - 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
- Other Features**
  - Power transmission line
  - Buildings
  - Church: School
  - Power substation
  - Windmill, Watermill
  - Well: Tank
  - Mine shaft
  - Open pit mine or quarry
  - Railroad control station
  - Bench mark, monument
  - Bench mark, non-monument
  - Spot elevations in meters
  - Leaves, vines, dikes
  - Bluffs, cliffs
  - Woodland
  - Scattered trees, scrub
  - Vineyard, Orchard, plantation
  - Intermittent lake: Dam: Earthen, Masonry
  - Stream: Perennial, Intermittent
  - Marsh, swamp
  - Small falls; Large falls
  - Small rapids; Large rapids



**ELEVATIONS IN METERS**

CONTOUR INTERVAL 10 METERS

ELLIPSOID: WORLD GEODETIC SYSTEM 1984  
 GEODETIC REFERENCE SYSTEM 1980  
 GRID: 1,000-METER UTM ZONE 18 (BLACK NUMBERED LINES)  
 5,000-METER STATE GRID TICS, INDIANA EAST ZONE  
 PROJECTION: TRANSVERSE MERCATOR  
 VERTICAL DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929  
 HORIZONTAL DATUM: WORLD GEODETIC SYSTEM 1984/  
 NORTH AMERICAN DATUM OF 1983  
 U.S.S. AND WISCONSIN  
 CONTROL BY: U.S. GEOLOGICAL SURVEY  
 PREPARED BY: DMA 5-98  
 PRINTED BY: DMA 5-98

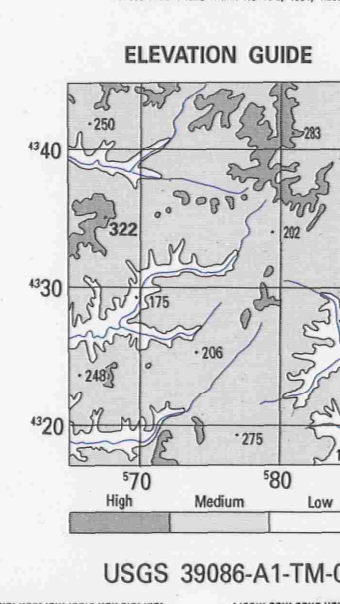
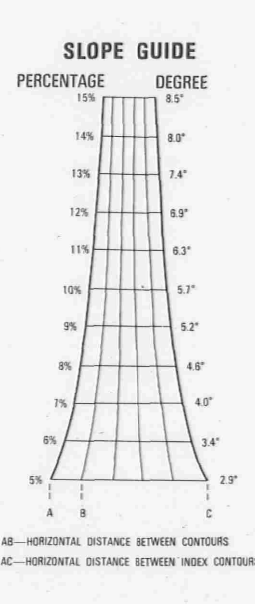


**THIS MAP IS RED-LIGHT READABLE**

FOR CONVERSION FROM GRID TO MAGNETIC AZIMUTH  
 FOR CENTER OF SHEET

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

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



**BOUNDARIES**

Brown County	Bartholomew County
Jackson County	

**ADJOINING SHEETS**

3762 IV	3762 I	3862 IV
3762 III	3762 II	3862 III
3761 IV	3761 I	3861 IV