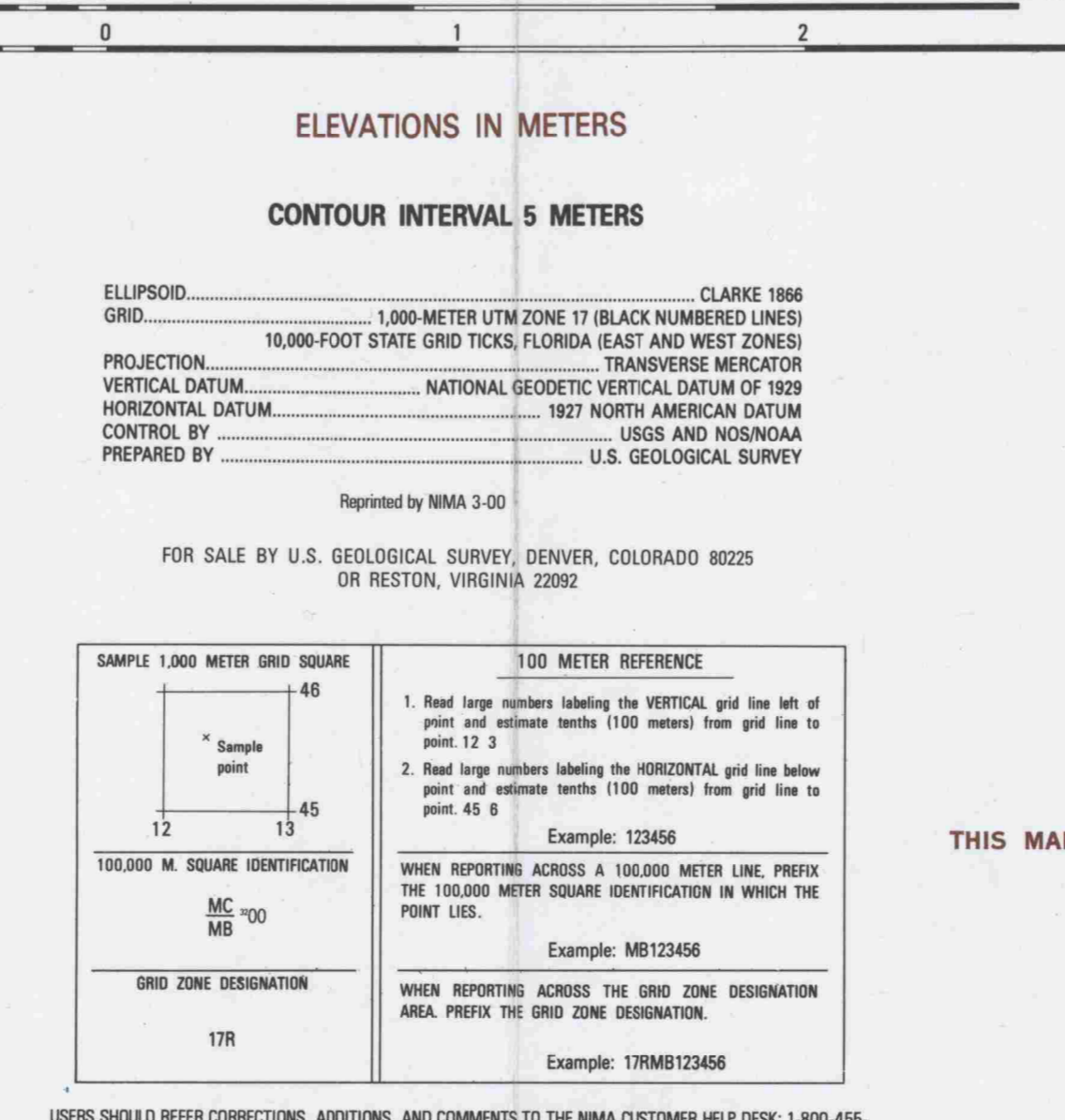
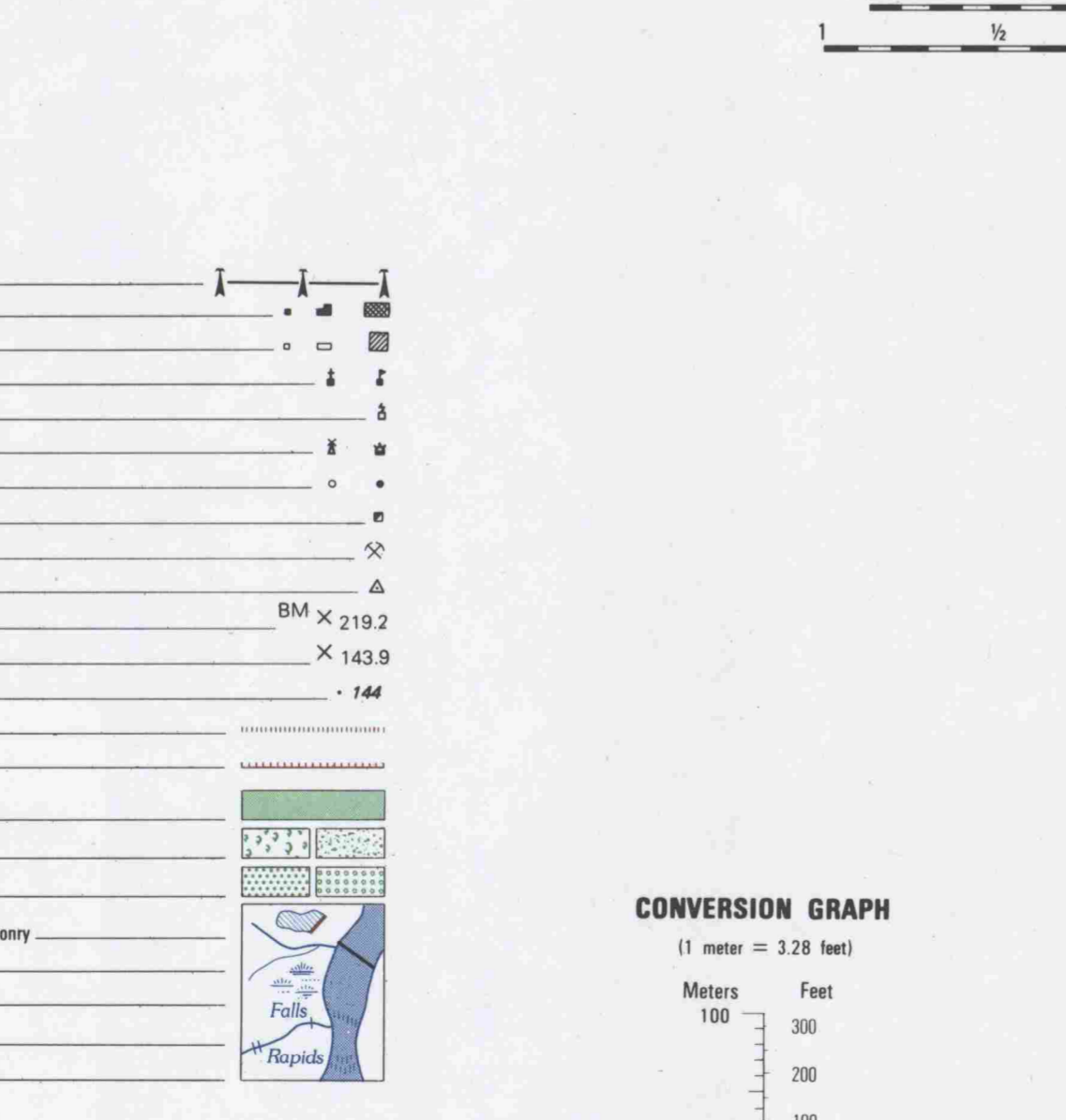


Prepared by the U.S. Geological Survey for publication by the Defense Mapping Agency

MAP INFORMATION AS OF 1987.

- 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 INHOLDINGS 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
  - Railroads: Interstate, Federal, State, Standard gauge (1.4m - 4'8 1/2"), Single track, Multiple track, Nonoperating
  - Railroad station: Location known, Location unknown
  - Car line
  - Railroad bridge
  - Tunnel: Highway, Railroad
  - 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
  - Mine shaft
  - Open pit mine or quarry
  - Horizontal control station
  - Bench mark, monument
  - Bench mark, non-monumented
  - Spot elevations in meters
  - Leaves, cists, dikes
  - Bluffs, cliffs
  - Woodland
  - Scattered trees: Scrub
  - Vineyard: Orchard, plantation
  - Intermittent lake: Dam, Earth, Masonry
  - Stream: Perennial, Intermittent
  - Marsh, swamp
  - Small falls: Large falls
  - Small rapids: Large rapids



**THIS MAP IS RED-LIGHT READABLE**

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

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

GRID CONVERGENCE 1" = 100' (40 MILES) FOR CENTER OF SHEET

AB - HORIZONTAL DISTANCE BETWEEN CONTOURS  
 AC - HORIZONTAL DISTANCE BETWEEN VERTICAL CONTOURS

USGS SHOULD REFER CORRECTIONS, ADDITIONS, AND COMMENTS TO THE NIMA CUSTOMER HELP DESK: 1-800-455-0001  
 OR BY MAIL: DIRECTOR, NATIONAL MAPPING AND MAPPING AGENCY, ATTN: CO, MAIL STOP 37, 4600 SANDHAMM ROAD, BETHESDA, MD 20816-5003

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