U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

Prepared in cooperation with the
FEDERAL EMERGENCY MANAGEMENT AGENCY

OPEN-FILE REPORT 90-386
PLATE 25 OF 31

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

CHARLESTON QUADRANGLE
SOUTH CAROLINA
7.5 MINUTE SERIES (TOPOGRAPHIC)

EXPLANATION

—12— LINE OF EQUAL ELEVATION OF WATER SURFACE—Shows elevation of water surface of storm tide in feet above NGVD of 1929. Interval is one foot. Dashed where approximately located.

— — — APPROXIMATE LANDWARD EXTENT OF STORM TIDE INUNDATION.

HIGH-WATER MARKS

● Outside high-water mark.

▣ Inside high-water mark.

High-water mark number, elevation of high-water(numerator), and elevation of land surface(denominator), in feet above NGVD of 1929. "e" indicates estimated value.

Mapped, edited, and published by the Geological Survey

Control by USGS, USC&GS, USCE, and South Carolina Geodetic Survey

Culture and drainage in part compiled from aerial photographs taken 1957. Topography by planetable surveys 1958

Hydrography compiled from USC&GS chart 470 (1958)

Polyconic projection. 1927 North American datum
10,000-foot grid based on South Carolina coordinate system, south zone
1000-meter Universal Transverse Mercator grid ticks, zone 17, shown in blue

To place on the predicted North American Datum 1983 move the projection lines 16 meters south and 19 meters west as shown by dashed corner ticks

UTM GRID AND 1979 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is unchecked

Red tint indicates areas in which only landmark buildings are shown

SCALE 1:24 000

CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE AVERAGE RANGE OF TIDE IS APPROXIMATELY 5.2 FEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

Revisions shown in purple compiled from aerial photographs taken 1977 and other source data. This information not field checked. Map edited 1979

ROAD CLASSIFICATION

Heavy-duty — Light-duty
Medium-duty — Unimproved dirt
U. S. Route — State Route

CHARLESTON, S. C.
N3245—W7952.5/7.5

1958
PHOTOREVISED 1979
AMS 5049 IV SW SERIES V846

MAP SHOWING WATER-SURFACE ELEVATION, HIGH WATER MARKS, AND LANDWARD EXTENT OF STORM-TIDE INUNDATION CAUSED BY HURRICANE HUGO, SEPTEMBER 21-22,1989: CHARLESTON, S.C. QUADRANGLE