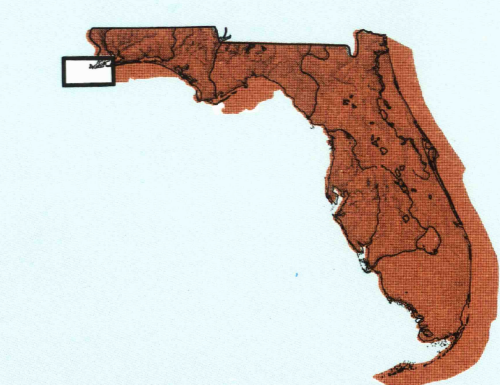


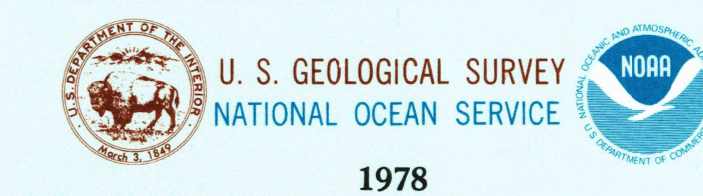
Pensacola FLORIDA-ALABAMA

1:100 000-scale metric topographic-bathymetric map



30 X 60 MINUTE QUADRANGLE SHOWING

- Contours and elevations in meters
Highways, roads and other manmade structures
Water features
Woodland areas
Geographic names
Bathymetric contours in meters



Produced by the United States Geological Survey and National Ocean Service

Compiled from USGS 1:24 000 and 1:63 500-scale topographic maps dated 1941-1976. Bathymetry from aerial photographs taken 1974 and other source data. Revised information not field checked. Map edited 1978.

Bathymetry compiled by the National Ocean Service from side-coordinated hydrographic surveys. This information is not intended for navigational purposes.

Mean low water (dotted) line and mean high water (heavy solid) line compiled by NOS from side-coordinated aerial photographs. Apparent shoreline (outer edge of vegetation) shown by light solid line.

Projection and 60 000-meter grid based on the International Transverse Mercator 25 000-foot grid ticks based on Alabama coordinate system, used zone, and 1927 North American Datum.

CONTOUR INTERVAL 5 METERS. NATIONAL GEODETIC SURVEY DATA OF 100 ELEVATIONS SHOWN TO THE NEAREST METER. BATHYMETRIC CONTOUR INTERVAL 5 METERS WITH SUPPLEMENTARY 1 METER CONTOURS. DATUM IS MEAN LOWER LOW WATER. THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE.

CONVERSION TABLE: Meters to Feet, Feet to Meters. Includes a diagram for datum conversion and adjoining maps.



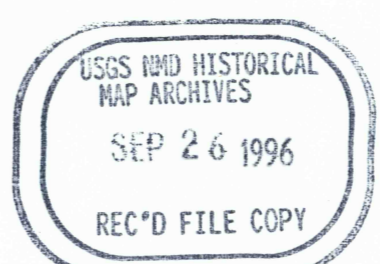
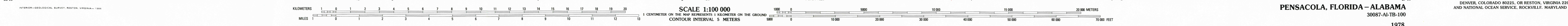
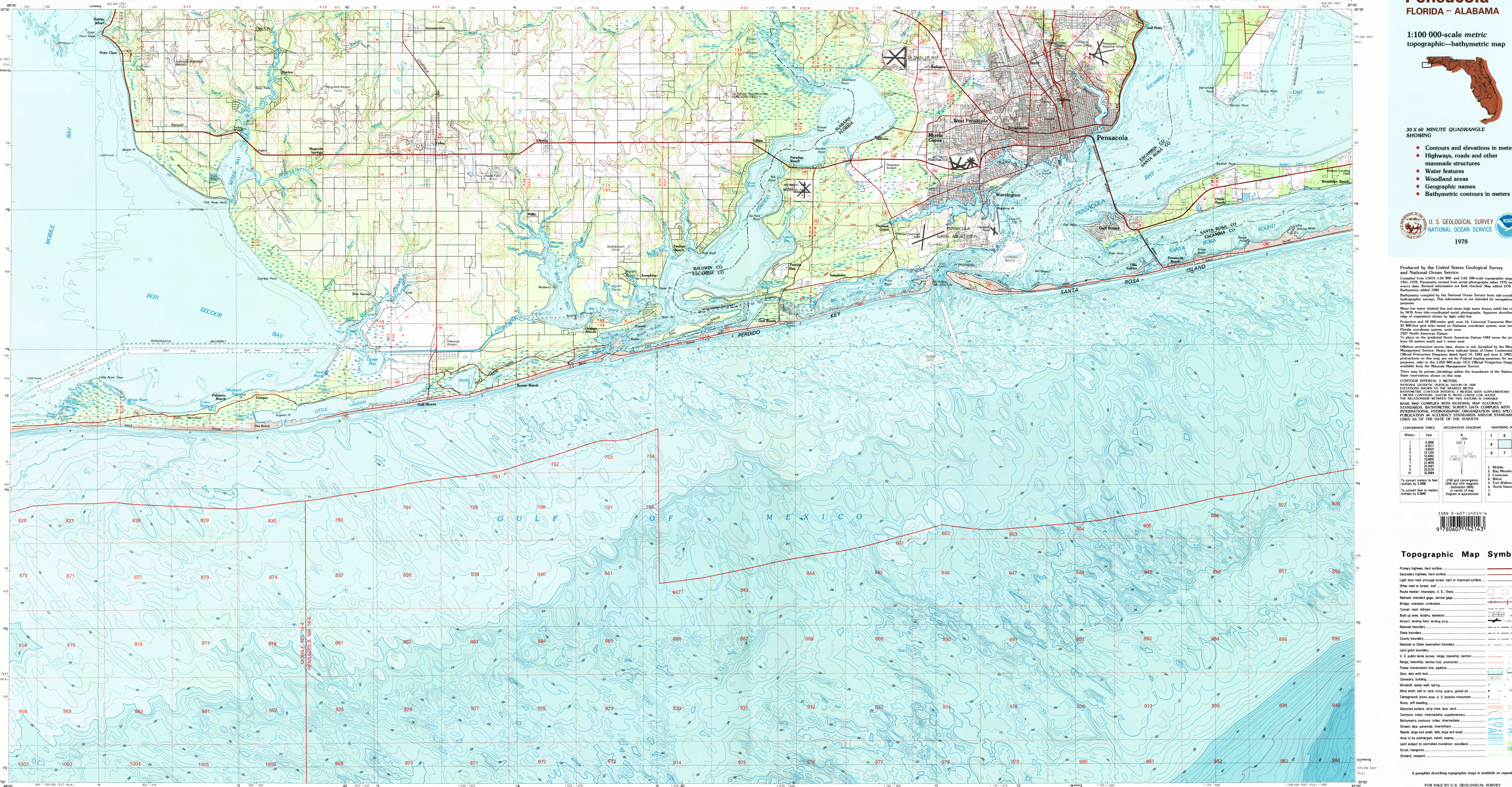
Topographic Map Symbols

- Primary highway, hard surface
Secondary highway, hard surface
Light duty road, gravel street, hard or improved surface
Other road or street, trail
Route marker, Interstate, U.S. State
Railroad, standard gage, narrow gage
Bridge, swamps, underpass
Tunnel, road, railroad
Built up area, locality, elevation
Airport, landing field, landing strip
National boundary
State boundary
County boundary
National or State reservation boundary
Land grant boundary
U.S. public lands survey, range, township, section
Range, township, section line, pre-1848
Power transmission line, pipeline
Dam, dam with lock
Cemetery, building
Windmill, water well, spring
Mine shaft, adit or ore vein, quarry, gravel pit
Campground, picnic area, U.S. location monument
Ruins, cliff dwelling
Distorted surfaces, strip mine, land, sand
Contours, index, intermediate, supplementary
Bathymetric contours, index, intermediate
Stream, lake, perennial, intermittent
Rapids, large and small; falls, large and small
Area to be submerged, marsh, meadow
Land subject to controlled inundation, woodland
Scrub, mangrove
Channel, viaduct

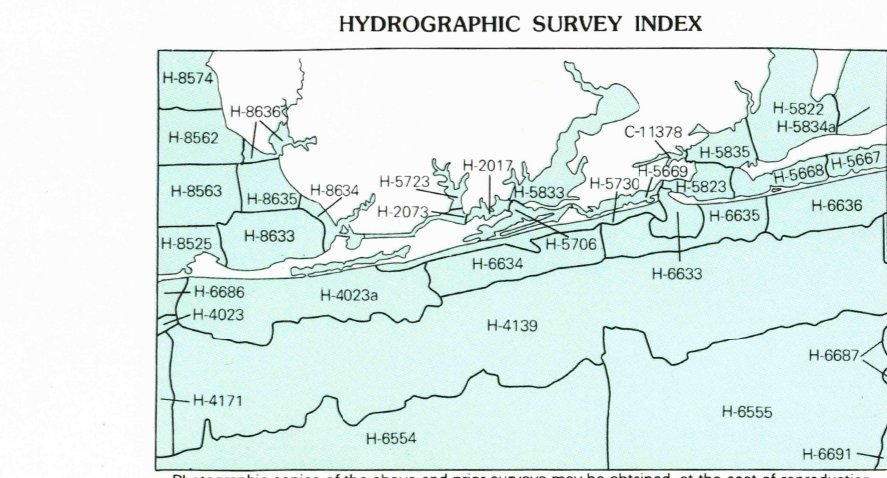
A pamphlet describing topographic maps is available on request.

FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092 AND NATIONAL OCEAN SERVICE, ROCKVILLE, MARYLAND 20852

1978



HYDROGRAPHIC SURVEY INFORMATION table with columns: SURVEY NUMBER, SURVEY DATE, SURVEY SCALE, SURVEY LINE SPACING (MAY BE METERS), SURVEY NUMBER, SURVEY DATE, SURVEY SCALE, SURVEY LINE SPACING (MAY BE METERS).



Photographic copies of the above and other surveys may be obtained at the cost of reproduction by addressing the Director, NCEC, U.S. National Ocean Service, National Oceanic and Atmospheric Administration, Rockville, Maryland 20852.