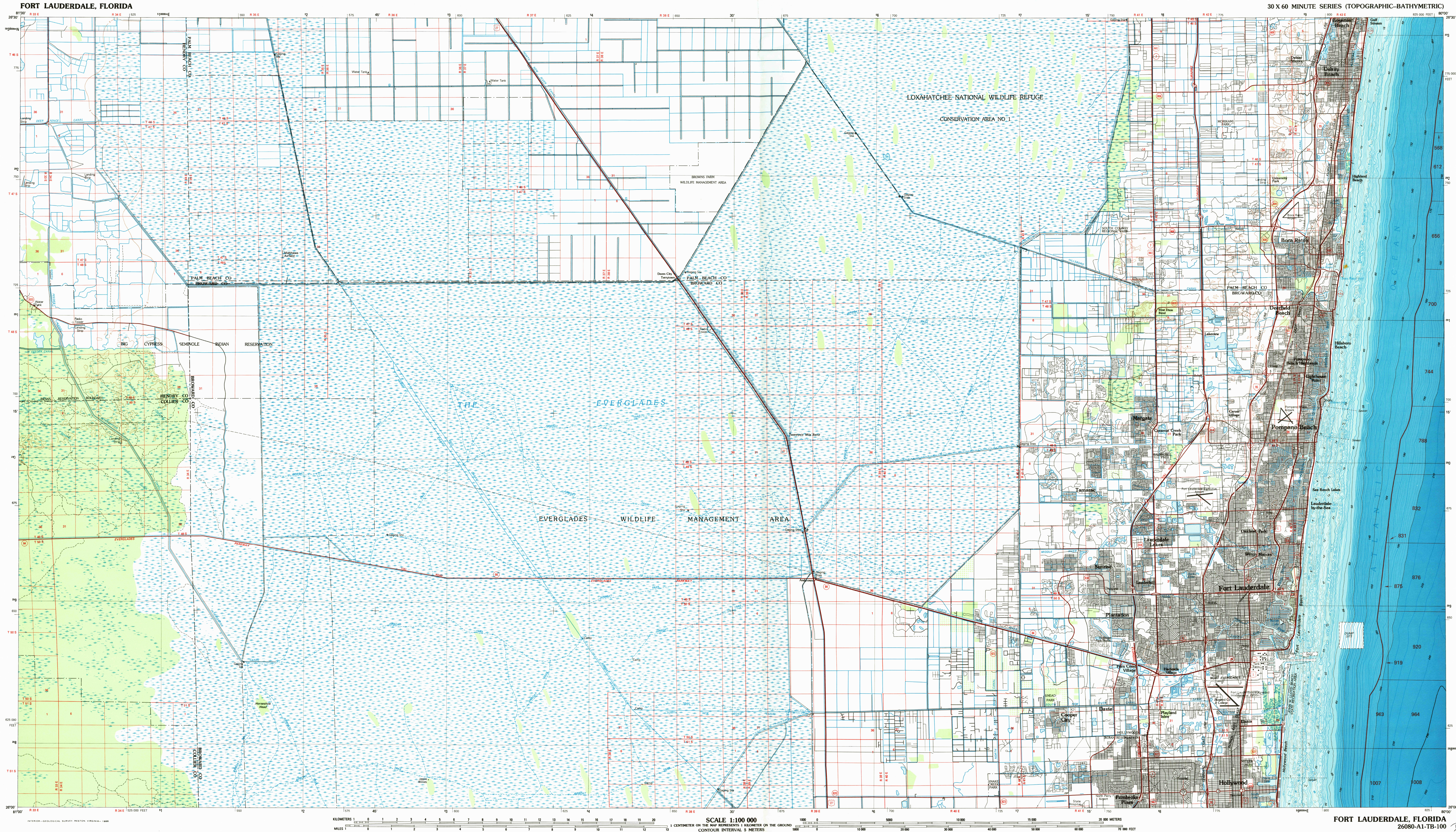
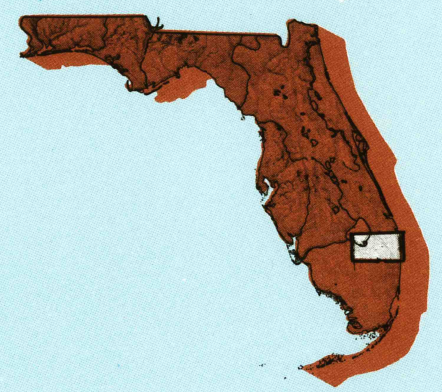




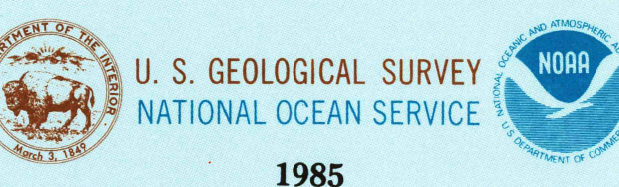
Fort Lauderdale FLORIDA

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 the National Ocean Service
Compiled from USGS 1:24 000-scale topographic maps dated 1962-1976 and orthophotomaps dated 1973-74. Planimetry revised from aerial photographs taken 1973 and other source data. Bathymetric information not field checked. Map edited 1985.
Bathymetry compiled by the National Ocean Service from tide-coordinated bathymetric 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 tide-coordinated aerial photographs. Apparent shoreline (outer edge of vegetation) shown by light solid line.
Projection and 10 000-meter grid, zone 17 Universal Transverse Mercator (UTM) and 10 000-meter grid, zone 17 Universal Transverse Mercator (UTM) are not for Federal listing purposes. For such purposes, refer to 1983 North American Datum.
To place on the projected North American Datum 1983, move the projection lines 38 meters south and 22 meters west.
Oblique projection survey data, shown in red, furnished by the Minerals Management Service. Heavy lines indicate limits of Outer Continental Shelf Official Protection Diagram dated February 3, 1977. The protection on this map is not for Federal listing purposes. For such purposes, refer to USGS Official Protection Diagrams available from the Minerals Management Service.
There may be private landholdings within the boundaries of the National or State reservations shown on this map.

CONTOUR INTERVAL 5 METERS
NATIONAL GEODETIC VERTICAL DATUM of 1929
ELEVATIONS SHOWN TO THE NEAREST METER
BATHYMETRIC CONTOUR INTERVAL 2 METERS WITH SUPPLEMENTARY 1 METER CONTOURS-MEAN LOW WATER DATUM
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE

BASE MAP COMPLETES WITH NATIONAL MAP ACCURACY STANDARDS. BATHYMETRIC SURVEY DATA COMPLETES WITH INTERNATIONAL HYDROGRAPHIC ORGANIZATION (IHO) SPECIAL PUBLICATION 44 ACCURACY STANDARDS AND/OR STANDARDS USED AS OF THE DATE OF THE SURVEYS

Meters	Feet	CONVERSION TABLE	DECLINATION DIAGRAM	ADJOINING MAPS
1	3.2808			1 Fort Myers
2	6.5617			2 West Palm Beach
3	9.8425			3 Naples
4	13.1234			4 Fort Lauderdale
5	16.4042			5 Fort Lauderdale
6	19.6850			6 Everglades City
7	22.9659			7 Miami
8	26.2467			8 Miami
9	29.5275			
10	32.8084			

To convert meters to feet multiply by 3.2808
To convert feet to meters multiply by 0.3048

UTM grid convergence (G) at center of map
Diagram is approximate



Topographic Map Symbols

- Primary highway, hard surface
- Secondary highway, hard surface
- Light duty road, principal street, hard or improved surface
- Other road or street, trail
- Route marker: Interstate, U. S. State
- Railroad: standard gauge, narrow gauge
- Bridge, overpass, 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, protected
- Power transmission line, pipeline
- Dam, dam with lock
- Cemetery, building
- Wells: water well, spring
- Mine shaft, adit or cave, mine, quarry, gravel pit
- Campground: picnic area, U. S. location monument
- Ruin: cliff dwelling
- Distorted surface: strip mine, lava, 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, swamp
- Land subject to controlled inundation, woodland
- Soil: mangrove
- Orchard, vineyard

A pamphlet describing topographic maps is available on request
FOR SALE BY U.S. GEOLOGICAL SURVEY
P.O. BOX 25286, DENVER, COLORADO 80225
AND NATIONAL OCEAN SERVICE, ROCKVILLE, MARYLAND 20852
BATHYMETRIC MAPS FOR SALE BY NOS ONLY