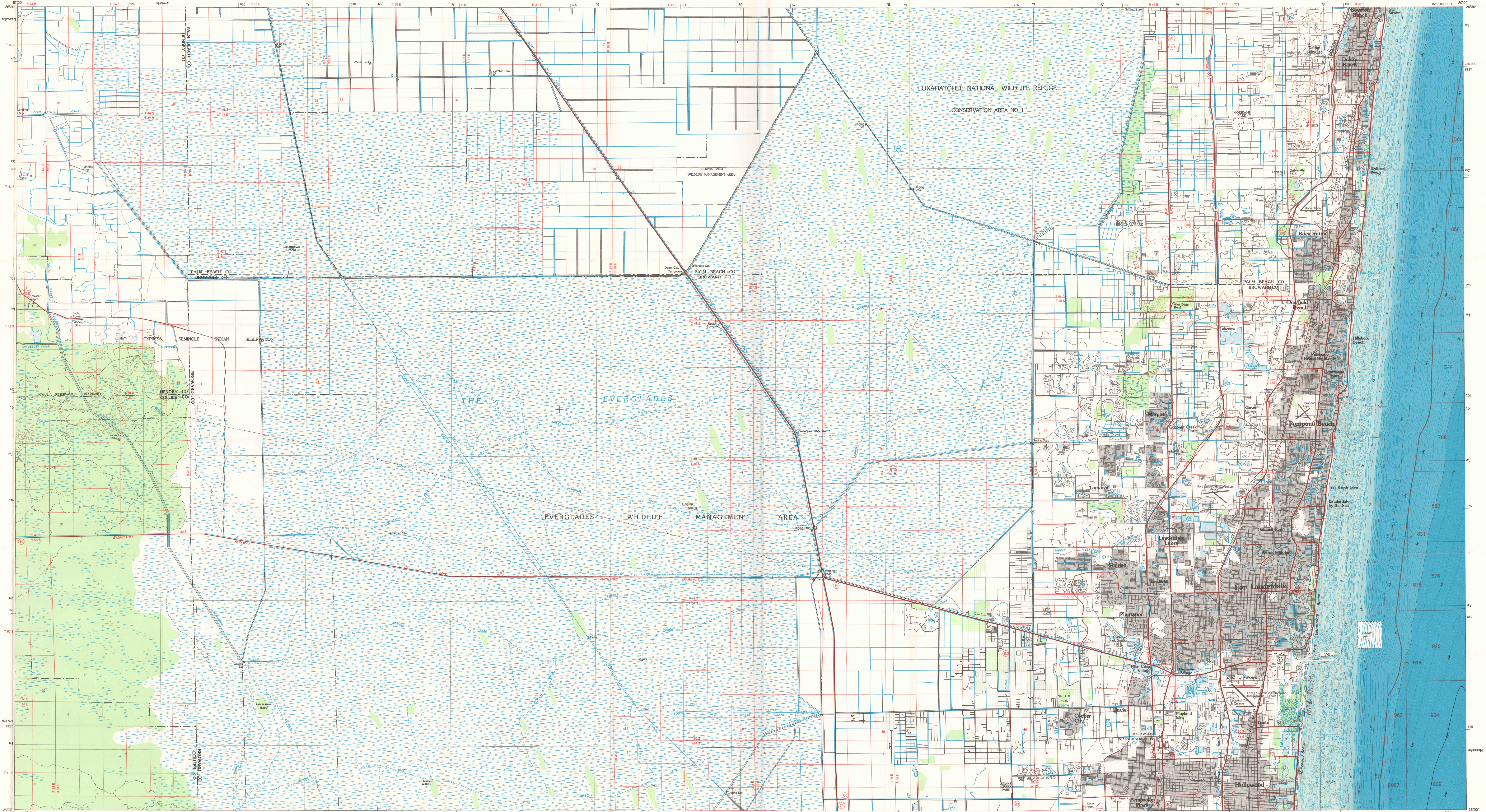


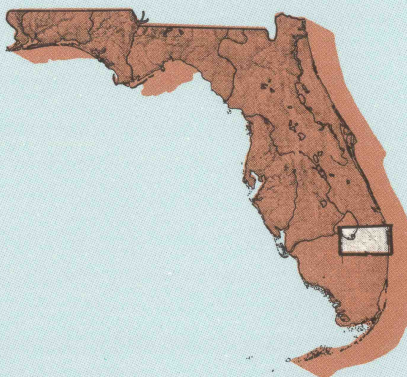
30 X 60 MINUTE SERIES (TOPOGRAPHIC-BATHYMETRIC)

FORT LAUDERDALE, FLORIDA



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



1985

Produced by the United States Geological Survey
and the National Ocean Service

Compiled from USGS 1:62,500-scale topographic maps dated 1962-1974 and
revisions dated 1972-74. Elevation derived from aerial
photographs taken 1973 and other source data. Revised information not field
checked. Map edited 1985.

Bathymetry compiled by the National Ocean Service from tide-coordinated
hydrographic surveys. This information is not intended for navigational purposes.
Mean low water (dotted line) and mean high water (dotted line) compiled by
NOGS from tide-coordinated aerial photographs. Apparent shoreline (outer edge
of vegetation) shown by light solid line.

Projection and 1:600-meter grid, zone 17, Universal Transverse Mercator
25 000-meter grid, based on Florida coordinate system, zone 17, zone
1997 North American Datum.
To align with the published North American Datum 1983, move the projection lines
38 meters north and 22 meters west.

Other projection survey data, shown in red, furnished by the Minerals
Management Service. Heavy lines indicate limits of Outer Continental Shelf
Official Protection Diagrams dated February 2, 1977. The protection in this
map may not be for Federal leasing purposes; for such purposes, refer to
OCS Official Protection Diagrams available from the Minerals Management Service.
There may be private subdivisions within the boundaries of the National or State
reservation 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
STANDARD. BATHYMETRIC SURVEY DATA COMPLETES WITH
INTERNATIONAL HYDROGRAPHIC ORGANIZATION (IHO) SPECIAL
PUBLICATION 44 ACCURACY STANDARD AND/OR STANDARDS
USED AS OF THE DATE OF THE SURVEYS.

CONVERSION TABLE		DECLINATION DIAGRAM		ADJOINING MAPS		
Meters	Fathoms	UTM	ON	1	2	3
1	0.54	1000000	1000000	1	2	3
2	1.08	2000000	2000000	4	5	6
3	1.62	3000000	3000000	7	8	9
4	2.16	4000000	4000000			
5	2.70	5000000	5000000			
6	3.24	6000000	6000000			
7	3.78	7000000	7000000			
8	4.32	8000000	8000000			
9	4.86	9000000	9000000			
10	5.40	10000000	10000000			
To convert meters to feet multiply by 3.28084		To convert fathoms to meters multiply by 0.54		1 Fort Myers 2 West Palm Beach 3 Naples 4 Everglades City 5 Miami		

FORT LAUDERDALE
0-802-14470-X
FL TB
DENVER, CO
AND NATIONAL
100
A 220992
AND 20852

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
- Railroad: Interstate, U. S., State
- Railroad: standard gauge, narrow gauge
- Bridge: concrete, 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, patented
- Power transmission line: pipeline
- Dam, dam with lock
- Cemetery: building
- Wellhead, water well, spring
- Mine shaft: adit or cave, mine, quarry, gravel pit
- Campground: picnic area, U. S. location monument
- Railroad: off-dwelling
- Disturbed surface: strip mine, leach, 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
- Scrub; mangrove
- Orchard; vineyard

A pamphlet describing topographic maps is available on request

HYDROGRAPHIC SURVEY INFORMATION

SURVEY NUMBER	SURVEY DATE	SURVEY SCALE	SURVEY LINE SPACING
H-4811	1969	1:30,000	60-15
H-4812	1970	1:30,000	60-15
H-4813	1971	1:30,000	60-15
H-4814	1972	1:30,000	60-15
H-4815	1973	1:30,000	60-15
H-4816	1974	1:30,000	60-15
H-4817	1975	1:30,000	60-15
H-4818	1976	1:30,000	60-15
H-4819	1977	1:30,000	60-15
H-4820	1978	1:30,000	60-15
H-4821	1979	1:30,000	60-15
H-4822	1980	1:30,000	60-15
H-4823	1981	1:30,000	60-15
H-4824	1982	1:30,000	60-15
H-4825	1983	1:30,000	60-15
H-4826	1984	1:30,000	60-15
H-4827	1985	1:30,000	60-15
H-4828	1986	1:30,000	60-15
H-4829	1987	1:30,000	60-15
H-4830	1988	1:30,000	60-15
H-4831	1989	1:30,000	60-15
H-4832	1990	1:30,000	60-15
H-4833	1991	1:30,000	60-15
H-4834	1992	1:30,000	60-15
H-4835	1993	1:30,000	60-15
H-4836	1994	1:30,000	60-15
H-4837	1995	1:30,000	60-15
H-4838	1996	1:30,000	60-15
H-4839	1997	1:30,000	60-15
H-4840	1998	1:30,000	60-15
H-4841	1999	1:30,000	60-15
H-4842	2000	1:30,000	60-15
H-4843	2001	1:30,000	60-15
H-4844	2002	1:30,000	60-15
H-4845	2003	1:30,000	60-15
H-4846	2004	1:30,000	60-15
H-4847	2005	1:30,000	60-15
H-4848	2006	1:30,000	60-15
H-4849	2007	1:30,000	60-15
H-4850	2008	1:30,000	60-15
H-4851	2009	1:30,000	60-15
H-4852	2010	1:30,000	60-15
H-4853	2011	1:30,000	60-15
H-4854	2012	1:30,000	60-15
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H-4857	2015	1:30,000	60-15
H-4858	2016	1:30,000	60-15
H-4859	2017	1:30,000	60-15
H-4860	2018	1:30,000	60-15
H-4861	2019	1:30,000	60-15
H-4862	2020	1:30,000	60-15
H-4863	2021	1:30,000	60-15
H-4864	2022	1:30,000	60-15
H-4865	2023	1:30,000	60-15
H-4866	2024	1:30,000	60-15
H-4867	2025	1:30,000	60-15
H-4868	2026	1:30,000	60-15
H-4869	2027	1:30,000	60-15
H-4870	2028	1:30,000	60-15
H-4871	2029	1:30,000	60-15
H-4872	2030	1:30,000	60-15
H-4873	2031	1:30,000	60-15
H-4874	2032	1:30,000	60-15
H-4875	2033	1:30,000	60-15
H-4876	2034	1:30,000	60-15
H-4877	2035	1:30,000	60-15
H-4878	2036	1:30,000	60-15
H-4879	2037	1:30,000	60-15
H-4880	2038	1:30,000	60-15
H-4881	2039	1:30,000	60-15
H-4882	2040	1:30,000	60-15
H-4883	2041	1:30,000	60-15
H-4884	2042	1:30,000	60-15
H-4885	2043	1:30,000	60-15
H-4886	2044	1:30,000	60-15
H-4887	2045	1:30,000	60-15
H-4888	2046	1:30,000	60-15
H-4889	2047	1:30,000	60-15
H-4890	2048	1:30,000	60-15
H-4891	2049	1:30,000	60-15
H-4892	2050	1:30,000	60-15
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H-4945	2103	1:30,000	60-15
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H-4948	2106	1:30,000	60-15
H-4949	2107	1:30,000	60-15
H-4950	2108	1:30,000	60-15
H-4951	2109	1:30,000	60-15
H-4952	2110	1:30,000	60-15
H-4953	2111	1:30,000	60-15
H-4954	2112	1:30,000	60-15
H-4955	2113	1:30,000	60-15
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H-4957	2115	1:30,000	60-15
H-4958	2116	1:30,000	60-15
H-4959	2117	1:30,000	60-15
H-4960	2118	1:30,000	60-15
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H-4964	2122	1:30,000	60-15
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H-4966	2124	1:30,000	60-15
H-4967	2125	1:30,000	60-15
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H-4971	2129	1:30,000	60-15
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H-4981	2139	1:30,000	60-15
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H-5013	2171	1:30,000	60-15
H-5014	2172	1:30,000	60-15
H-5015	2173	1:30,000	60-15