NOTE S
Regulations for Ocean Dumping Sites are contained in 40 CFR, Parts 220-229. Additional information concerning the regulations and requirements for use of the sites may be obtained from the Environmental Protection Agency (EPA). See U.S. Coast Pilots approved for application of EPA criteria. Dumping subsequent to the survey dates may have reduced the depths shown.

CAUTION
Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

Additional information can be obtained at nauticalcharts.noaa.gov.

Formerly C&GS 084, 1st Ed., Mar. 1909 (V - 1900) - 79 KAPP 339.

LOGARITHMIC SPEED SCALE
1 2 3 4 5 6 7 8 9 10 15 20 25 30 40 50 60
To find SPEED, place one point of dividers on distance run (in any unit) and the other on minutes run. Without changing divider spread, place right point on 60 and left point will then indicate speed in units per hour. Example: with 4.0 nautical miles run in 13 minutes, the speed is 18.0 knots.

AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilots 4 and 5 for important supplemental information.

For Symbols and Abbreviations see Chart No. 1

RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

COLREGS, 80 740 (see note A)
International Regulations for Preventing Collisions at Sea, 1972
The entire area of this chart falls seaward of the COLREGS Demarcation Line.

THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES - EAST COAST

FLORIDA

KEY WEST HARBOR

AND APPROACHES

Mercator Projection
Scale: 1:30,000 at Lat. 24°32'

North American Datum of 1983
(World Geodetic System 1984)

SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER

HEIGHTS
Heights in feet above Mean High Water.

TIDAL INFORMATION

PLACE NAME	PLACE (LAT/LONG)	Height referred to datum of soundings (MLLW) Mean Higher High Water	Mean High Water	Mean Low Water
		feet	feet	feet
Sand Key Lighthouse	(24°27'N/081°53'W)	1.7	1.4	0.2
Key West	(24°33'N/081°49'W)	1.8	1.5	0.2

Datums (---) located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the Internet from http://tidesandcurrents.noaa.gov.
(Rev 2013)

AUTHORITIES
Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, U.S. Coast Guard, and National Geospatial-Intelligence Agency.

SOURCE DIAGRAM
The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.

SOURCE

A	1990-2010	NOS Surveys	full bottom coverage
B1	1990-2011	NOS Surveys	partial bottom coverage
B2	1970-1989	NOS Surveys	partial bottom coverage
B3	1940-1969	NOS Surveys	partial bottom coverage
B4	1900-1939	NOS Surveys	partial bottom coverage
B5	1834-1899	NOS Surveys	partial bottom coverage

KEY WEST HARBOR CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 2012 AND SURVEYS TO SEP 2012

NAME OF CHANNEL	CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW): LEFT QUARTER	MIDDLE QUARTER	RIGHT QUARTER	DATE OF SURVEY	PROJECT DIMENSIONS: AREA (FEET)	LENGTH (FEET)	DEPTH MLLW (FEET)
MAIN CHANNEL RANGE	31.6	35.0	35.4	9-12	300	2.68	34
CUT A RANGE	34.6	34.7	34.2	9-12	800	1.03	34
CUT B RANGE	33.8	35.7	34.8	9-12	800.000	1.16	34
THENCE TO BUOY 23	32.3	31.7	33.0	9-12	300	.75	34
NAVY WHARF TURNING BASIN	14.4	14.0	14.0	9-12	300	.75	30
NOV WEST BOAT CHANNEL	10.6	12.3	13.3	9-12	100	.60	12
TURNING BASIN	13.8	14.2	13.8	9-12	120-200	.50	12

A. CORAL HEAD LOCATED WITH A DEPTH OF 30 FEET, LOCATED AT 24°31'41.41"N, 81°48'38.7"W.
B. OBSTRUCTION LOCATED WITH A DEPTH OF 30 FEET, LOCATED AT 24°33'50.30"N, 81°48'35.25"W.
C. OBSTRUCTION LOCATED WITH A DEPTH OF 14 FEET, LOCATED AT 24°32'41.24"N, 81°48'18.48"W.
D. OBSTRUCTION LOCATED WITH A DEPTH OF 29 FEET, LOCATED AT 24°33'44.17"N, 81°48'28.23"W.
E. OBSTRUCTION LOCATED WITH A DEPTH OF 10 FEET, LOCATED AT 24°33'49.49"N, 81°74'8.16"W.
NOTE: CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION.

HURRICANES AND TROPICAL STORMS
Hurricanes, tropical storms and other major storms may cause considerable damage to marine structures, aids to navigation and moored vessels, resulting in submerged debris in unknown locations.
Charted soundings, channel depths and shoreline may not represent current conditions. Buoys may be adrift and aids to navigation may have been damaged or destroyed. Buoys may have been moved from their charted positions, damaged, sunk, extinguished or otherwise made inoperative. Mariners should not rely upon the position or operation of an aid to navigation. Wrecks and submerged obstructions may have been displaced from charted locations. Pipelines may have become uncovered or moved.
Mariners are urged to exercise extreme caution and are requested to report aids to navigation discrepancies and hazards to navigation to the nearest United States Coast Guard unit.

NOTE X
Within the 12-nautical mile Territorial Sea, established by Presidential Proclamation, some Federal laws apply. In Time Notes of June 1988, previously identified some of the Federal laws which apply in the Territorial Sea and adjacent waters to the limit of the other limits. The 9-nautical mile Natural Resource Boundary off the Gulf coast of Florida, Texas, and Puerto Rico, and the Three Nautical Mile Line elsewhere remain in most cases the inner limit of Federal fisheries jurisdiction and the outer limit of the jurisdiction of the states. The 24-nautical mile Contiguous Zone and the 200-nautical mile Exclusive Economic Zone were established by Presidential Proclamation. Unless fixed by treaty or the U.S. Supreme Court, these maritime limits are subject to modification.

HORIZONTAL DATUM
The horizontal reference datum of this Chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 1.528" northward and 0.668" eastward to agree with this chart.

NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilots 4 and 5. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 7th Coast Guard District in Miami, Florida, or at the Office of the District Engineer, Corps of Engineers in Jacksonville, Florida.
Refer to charted regulation section numbers.

NOTE C
Numerous submerged piles have been reported in this area.

NOTE E
PROHIBITED AREAS
(Prohibited to be avoided)
Under the authority of the National Marine Sanctuary and Protection Act, Pub. L. 101-605 and IMO advisory SN/Circ. 145, these areas are to be avoided by tank vessels and vessels greater than 50 meters in length.

NOTE Z
NO-DISCHARGE ZONE, 40 CFR 140
All Florida State waters within the Florida Keys National Marine Sanctuary are designated a No-Discharge Zone (NDZ). Under the Clean Water Act, Section 312, all vessels operating within a No-Discharge Zone (NDZ) are completely prohibited from discharging any sewage, treated or untreated, into the waters of the zone from installed marine sanitation device (MSD) that are navigating, moored, anchored, or docked within a NDZ must have the MSD disabled to prevent the overboard discharge of sewage (treated or untreated) or install a holding tank. Regulations for the NDZ are contained in the U. S. Coast Pilot. Additional information concerning the regulations and requirements may be obtained from the Environmental Protection Agency (EPA) web site: http://www.epa.gov/owow/oceans/regulatory/vessel_sewage/

PARTICULARLY SENSITIVE SEA AREA
This chart falls entirely within the limits of a Particularly Sensitive Sea Area (PSSA). A PSSA is an environmentally sensitive area around which mariners should exercise extreme caution. See U.S. Coast Pilot volumes for information regarding this area.

CAUTION
SUBMARINE PIPELINES AND CABLES
Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:
Pipeline Area — Cable Area
Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.
Covered wells may be marked by lighted or unlighted buoys.

SCALE 1:30,000
Nautical Miles
Yards
Meters

CONTINUED ON CHART 11439

NOAA WEATHER RADIO BROADCASTS
The NOAA Weather Radio station listed below provides continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.
Key West, FL WXJ-95 162.400 MHz

Lavina Bank
Calda Bank
Pearl Basin
Cottrell Key
Sand Key
Western Dry Rocks
Vestal Shoals
Personage Shoal
Western Head
Eastern Dry Rocks
Rock Key
Middle Ground
Boca Grande Key
Woman Key
Ballast Key
Man Key
Barracouta Keys
Joe Ingram Key
Crawfish Key
Mule Key
Archer Key
Little Mullet Key
Big Mullet Key
Bay Keys
Cayo Agua 1
Grassy Keys
Harper Key
Channel Key
Salt Pond Keys
Stock Island
Boca Chica Key
Key West
Key West International Airport
Fort Taylor
Tortugas Shoal
Western Sambos
Western Sambos Ecological Reserve (protected area; see note A)
Key West National Wildlife Refuge (protected area)
Florida Keys National Marine Sanctuary (protected area; 15 CFR 922; see note A)
NO-DISCHARGE ZONE (see note Z)
PROHIBITED AREA (see note E)
EXPLOSIVES DISCHARGE AREA (1.5 Miles) (see note A)
NORTHWEST CHANNEL
WEST CHANNEL
SOUTHWEST CHANNEL
SOUTHWEST SHOAL CHANNEL
MAIN SHIP CHANNEL
HAWK CHANNEL
STOCK ISLAND CHANNEL
STRAITS OF FLORIDA

CAUTION
Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence Agency Publication 117. Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.
Station positions are shown thus:
(A) Accurate location (e) Approximate location

CONTINUED ON CHART 11442

To ensure that this chart was printed at the proper scale, the line below should measure exactly 10 inches (100 millimeters). If the line does not measure six inches (152 millimeters), this copy is not certified safe for navigation.

CAUTION
This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner. Chart updates corrected from Notice to Mariners published after the dates shown in the lower left hand corner are available at nauticalcharts.noaa.gov.

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

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