



LOCAL NOTICE TO MARINERS

U.S. Department of Homeland Security

United States Coast Guard



WEEKLY EDITION

July 27, 2004

Issued by:

Commander, Seventh Coast Guard District
 909 SE 1st Avenue, Miami, Florida 33131-3050
 Telephone (305) 415-6730
 Fax (305) 415-6757
 Office hours 7:30 a.m. - 4:00 p.m., M-F

BROADCAST NOTICE TO MARINERS

Navigation information having been of immediate concern to the Mariner, and promulgated by the following broadcasts, has been incorporated in this notice when still effective:

- CCGD7 (D7) BNM 883-04 to 904-04
- GROUP CHARLESTON (CHA) BNM 203-04 to 210-04
- GROUP MAYPORT (MAY) BNM 325-04 to 337-04
- GROUP MIAMI (MIA) BNM 341-04 to 352-04
- GROUP KEY WEST (KEY) BNM 129-04 to 136-04
- GROUP ST. PETERSBURG (STP) BNM 1013-04 to 1039-04
- SAN JUAN GANTSEC (GAN) BNM 206-04 to 214-04

NOTES:

- (1) Unless otherwise indicated, missing and destroyed structures are presumed to be in the immediate vicinity, mariners should proceed with caution.
- (2) The Local Notice to Mariners consists of a Monthly Edition and Weekly Supplemental. The Monthly Edition should be maintained as a reference. Recurring information is published only once a month.
- (3) Inquiries, Published Articles or Information: E-mail Bernie Dukes @ bdukes@d7.uscg.mil or d7lnm@d7uscg.mil.

REFERENCES:

- Light List, Vol. III, Atlantic and Gulf Coasts, 2004 Edition (COMDTPUB P16502.3).
- U.S. Coast Pilot 4, Atlantic Coast: Cape Henry to Key West, 2003 (35th Edition).
- U.S. Coast Pilot 5, Atlantic Coast: Gulf of Mexico, Puerto Rico and Virgin Islands 2004 (31st Edition).

The Local Notice to Mariners is available online at:

<http://www.navcen.uscg.gov/lnm/d7>

The United States Coast Guard Navigation Information Service (NIS)

The United States Coast Guard Navigation Information Service (NIS), operated by the USCG Navigation Center, is staffed 24 hours a day, 7 days a week. The NIS provides information on the current operational status, effective policies, and general information for GPS, DGPS, and LORAN-C. The NIS also disseminates Safety Broadcasts (BNM), Local Notice to Mariners (LNM), and the latest Notice Advisory to Navstar Users (NANU). NANU notices can be obtained via email subscription through the USCG Navigation Center website: <http://www.navcen.uscg.gov/gps/status/default.htm>. In addition, the NIS investigates all reports of degradation or loss of GPS, DGPS or

LORAN service. Mariners are encouraged to report all degradation or loss of radio navigation services to the NIS via any of the following:
 Phone: (703) 313-5900, Email: webmaster@smtp.navcen.uscg.mil, or on the World Wide Web at: <http://www.navcen.uscg.gov>

REPORT DISCREPANCIES IN AIDS TO NAVIGATION TO THE NEAREST COAST GUARD UNIT

ABBREVIATION DEFINITIONS

ACOE -	Army Corps of Engineers	ADRIFT -	Buoy Adrift
AICW -	Atlantic Intracoastal Waterway	B -	Buoy
BKW -	Breakwater	B -	Refer to Light List (Pg. xiv)
BNM -	Broadcast Notice to Mariner	CG -	Refer to Light List (Pg. xv)
CHA -	Charleston, SC	CHAN -	Channel
CGD07 -	Coast Guard District Seven	CR -	Refer to Light List (Pg. xv)
C/O -	Cut Off	CONT -	Contour
CONSTR -	Construction	CRK -	Creek
CONST -	Construction	DBN -	Daybeacon
DBD/DAYBD -	Dayboard	DBN/DEST -	Daybeacon Destroyed
DBN IMCH -	Daybeacon Improper Characteristic	DISCON -	Discontinued
DMGD -	Daybeacon Damaged	EST -	Established Aid
EVAL -	Evaluation	EXT -	Extinguished
FL -	Flashing	F/S -	Fog Signal
GAN -	San Juan, PR	GICW -	Gulf Intracoastal Waterway
HAZ -	Hazard to Navigation	HBR -	Harbor
HOR -	Horizontal Clearance	HT -	Height
IMPCHA -	Improper Characteristics	INL -	Inlet
INOP -	Not Operating	ISL -	Islet
KBG -	Refer to Light List (Pg. xv)	KBG-I -	Refer to Light List (Pg. xv)
KBR -	Refer to Light List (Pg. xv)	KBR-I -	Refer to Light List (Pg. xv)
KBW -	Refer to Light List (Pg. xv)	KEY -	Key West, FL
KGB -	Refer to Light List (Pg. xv)	KGB-I -	Refer to Light List (Pg. xv)
KGR -	Refer to Light List (Pg. xv)	KGR-I -	Refer to Light List (Pg. xv)
KGW -	Refer to Light List (Pg. xv)	KGW-I -	Refer to Light List (Pg. xvi)
KRB -	Refer to Light List (Pg. xvi)	KRB-I -	Refer to Light List (Pg. xvi)
KRG -	Refer to Light List (Pg. xvi)	KRG-I -	Refer to Light List (Pg. xvi)
KRW -	Refer to Light List (Pg. xvi)	KWB -	Refer to Light List (Pg. xvi)
KWB-I -	Refer to Light List (Pg. xvi)	KWG -	Refer to Light List (Pg. xvi)
KWG-I -	Refer to Light List (Pg. xvi)	KWR -	Refer to Light List (Pg. xvi)
KWR-I -	Refer to Light List (Pg. xvi)	LAT -	Latitude
LB -	Lighted Buoy	LBB -	Lighted Bell Buoy
LGB -	Lighted Gong Buoy	LONG -	Longitude
LNM -	Local Notice to Mariners	LT -	Light
LT CONT -	Light Continuous	LWB -	Lighted Whistle Buoy
MAY -	Mayport, FL	MIA -	Miami, FL
MISS -	Missing	MR -	Refer to Light List (Pg. xvi)
MR-I -	Refer to Light List (Pg. xvi)	N/A -	Not Available
NB -	Refer to Light List (Pg. xvi)	N/C -	Not Charted
ND -	Refer to Light List (Pg. xvi)	NG -	Refer to Light List (Pg. xvi)
NIMA -	National Imagery and Mapping Agency	NL -	Refer to Light List (Pg. xvi)
NO -	Number	NOS -	National Ocean Service
NR -	Refer to Light List (Pg. xvi)	NW -	Refer to Light List (Pg. xvi)
NW -	Notice Writer	NY -	Refer to Light List (Pg. xvi)
OBSCU -	Obscured	OBST -	Obstruction
OBSTR -	Obstruction	PRIV -	Private Aid
RBN -	Radio Beacon	REBUILT -	Aid Rebuilt
RECOVERED -	Aid Recovered	RED -	Red Buoy
REDINT -	Reduced Intensity	RRL -	Range Rear Light
RELIGHTED -	Aid Relighted	RELOC -	Relocated
RESET ON STATION -	Aid Reset on Station	RFL -	Range Front Light
RIV -	River	SEC -	Section
SG -	Green Square on pile	SG-SY -	Green Square with Yellow Square on pile
SHL -	Shoaling	SND -	Sound
STP -	St. Petersburg, FL	TEMP -	Temporary Aid Change

STM - Statue Mile
 TRLB - Temporarily Replaced by Lighted Buoy
 TR-TY - Red Triangle with Yellow Triangle on pile

TR - Red Triangle on pile
 TRLT - Temporarily Replaced by Light
 TRUB - Temporarily Replaced by Unlighted Buoy

SAFE BOATING AND SEAMANSHIP PROGRAMS

For addition information on CG Auxiliary Public Education Boating Programs, contact 1-800-336-2628 or <http://www.cgaux7.org/>

HOST	DATES	TIME	LOCATION
U.S. Coast Guard Auxiliary Flotilla 42 (321) 773-7599	Continuous Boating Skills and Seamanship	7:30 p.m.– 9:30 p.m. (Tuesdays & Thursdays) 6 Weeks, 12 Lessons	Palm Bay Community Ctr 1502 Port Malabar Blvd Palm Bay, FL
U.S. Coast Guard Auxiliary Flotilla 78 (727) 360-7496	Continuous Boating Skills and Seamanship	7:30 p.m.– 9:30 p.m. (Mondays) 13 Weeks	W Webster Community Ctr 1500 Passe Grille Blvd St Petersburg, FL
U.S. Coast Guard Auxiliary Flotilla 79 (813) 855-6997	Continuous Boating Skills and Seamanship	7:30 p.m.– 9:30 p.m. (Wednesdays) 13 Weeks	5108 Gandy Blvd Salty Sol Boat Ramp Tampa, FL
U.S. Coast Guard Auxiliary Flotilla 7-16 (727) 323-5950	Continuous Boating Skills and Seamanship	7:30 p.m.– 9:30 p.m. (Tuesdays) 13 Weeks	USCG Auxiliary Bldg 3120 Miriam St South Gulfport, FL
U.S. Coast Guard Auxiliary Flotilla 51 (561) 844-3114	Continuous Boating Skills and Seamanship	7:30 p.m.– 9:30 p.m. (Tuesdays & Thursdays) 6 Weeks, 12 Lessons	CG Aux Bldg, P Foster Park 900 E. Blue Heron Blvd Riviera Beach, FL
U.S. Coast Guard Auxiliary Flotilla 81 (941) 761-4303/761-7393	Continuous Boating Skills and Seamanship	7:00 p.m.– 9:00 p.m. (Tuesdays & Thursdays) 4 Weeks	CG Aux Bldg, G.T.Bray Park 5801 53 rd Ave Court W Bradenton, FL
U.S. Coast Guard Auxiliary Flotilla 55 (561) 585-8918	Continuous Boating Skills and Seamanship	7:00 p.m.– 9:00 p.m. (Mondays & Wednesdays) 6 Weeks, 12 Lessons	Santaluces High School Lawrence Road Lantana, FL
U.S. Coast Guard Auxiliary Flotilla 52 (772) 744-3876	Continuous Boating Safety Program	9:00 a.m.– 5:00 p.m. (Last Saturday of Each Month)	CG Aux Building Jupiter Lighthouse Park Jupiter, FL
U.S. Coast Guard Auxiliary Flotilla 81 (941) 761-4303/761-7393	Continuous Boating Skills and Seamanship	7:00 p.m.– 9:00 p.m. (Tuesdays & Thursdays) 4 Weeks	CG Aux Bldg, G.T.Bray Park 5801 53 rd Ave Court W Bradenton, FL
U.S. Coast Guard Auxiliary Flotilla 36 (561) 391-3600	August 7, 2004 Boating Safety	9:00 a.m. – 5:00 p.m. (Saturday)	Marine Safety Building 3939 N. ocean Blvd Boca Raton, FL
U.S.Power Squadron Venice (352) 861-9290	August 7, 2004 Chart Smart (Piloting)	8:30 a.m. – 1:00 p.m. (Saturday)	Waymire Training Center 1450 Lucaya Avenue Venice, FL
U.S.Power Squadron Ocala (941) 485-7245	Starting August 11, 2004 Safe Boating Course	7:00 p.m. – 9:00 p.m. (Wednesdays) 4 Weeks, 4 Lessons	Multi-Purpose Senior Center 2001 SE 32 nd Avenue Ocala, FL

Programs are free; there is a nominal fee for text workbooks, etc.

I. SPECIAL NOTICES

PORT SECURITY MEETING, CAPTAIN OF THE PORT JACKSONVILLE, FLORIDA

The Captain of the Port (COTP), Jacksonville, Florida announces the next quarterly meeting of the JMTX Port Security Committee will be held on Wednesday, 04 August 2004, at 1:30 p.m. The location of the meeting will be the JAXPORT PCOB Conference Room (Tallyrand Terminal).

This committee meeting is open to the general public. Point of contact at the Marine Safety Office Jacksonville, FL, is Mr. Thomas Taylor, (904) 232-2640 ext 146.

HURRICANE SEASON

The hurricane season extends from June through November. Hurricanes can cause excessive damage to vessels and loss of life. To minimize these dangers, the following precautions should be taken by all mariners before getting underway during the hurricane season:

- (a) Instruction of crew and passengers in location of emergency equipment and emergency procedures;
- (b) Pre-sailing check of vessel, machinery, and equipment for seaworthiness;
- (c) Installation of strong ground tackle;
- (d) Review of storm center evasion procedures;
- (e) Knowledge of nearest hurricane shelter or port; and
- (f) Constant radio watches on channel 16 VHF-FM and frequent monitoring of weather broadcasts.

HURRICANE INFORMATION

The civilian hurricane warning service for the North Atlantic is provided by the National Hurricane Center, Miami, Florida. The center collates ship, aircraft, radar, and satellite data to produce and issue tropical cyclone warnings and forecasts for the North Atlantic Ocean, including the Caribbean Sea and the Gulf of Mexico. A Tropical Cyclone Advisory message is issued every six hours, with intermediate bulletins provided as needed.

For tropical storms and hurricanes threatening to cross the coast of the U.S., coastal warnings are issued to the public so that precautionary actions, including evacuation, can be initiated to minimize damage and loss of life. Two levels of warnings are employed:

- (a) HURRICANE WATCH - a preliminary alert that a hurricane MAY threaten a specified portion of the coast. It is issued 36 hours before landfall may occur; and
- (b) HURRICANE WARNING - which indicate that hurricane conditions are EXPECTED along a specified portion of the coast. It is issued 24 hours before landfall. To provide additional information for maritime interests, a Marine Advisory is also issued which provides storm position forecasts for up to 72 hours in advance of a storm, and probabilities of hurricane strikes for coastal locations and offshore coordinates.

Mariners are reminded that aids to navigation, particularly lighted and unlighted buoys, may be moved from charted position, damaged, destroyed, extinguished or otherwise deemed discrepant as a result of hurricane and storms. Mariners should not rely solely upon the position or operation of an aid to navigation, but also employ such other methods of determining position as may be available.

Mariners are further reminded that during the hurricane season drawbridges along the coast may deviate from normal operating procedures. Drawbridges are authorized to remain closed upon approach of gale force winds of 34 knots or greater. Others may be authorized to extend closed periods prior to gale force winds to facilitate evacuation of land traffic or close operations up to 8 hours before expected arrival of gale force winds. Due to the uncertainty of hurricane movements and bridge closures, mariners are urged to seek passage through drawbridges well in advance of the arrival of gale force winds.

RADIOTELEPHONE SERVICE ON FREQUENCY 2180.0 KHZ

The U.S. Coast Guard international distress and calling radiotelephone service on the frequency 2180.0 may be operating at reduce power and sensitivity due to shoreside radio infrastructure problems. Action is underway to correct these problems.

The U.S. Coast Guard is operating a medium frequency Digital Selective Calling distress and safety service on a trial operating basis only. A Global Maritime Distress and Safety System (GMDSS) Sea Area A2 will not be declared in U.S. waters until shoreside radio infrastructure problems can be corrected.

U.S. COAST PILOT 5, GULF OF MEXICO, PUERTO RICO, AND VIRGIN ISLANDS

PUBLICATION –National Ocean Service – U.S. Coast Pilot 5, Gulf of Mexico, Puerto Rico, and Virgin Islands, 2004 Mid-Year Update (32nd) Edition, is ready for issue and may be obtained from:

Federal Aviation Administration
National Aeronautical Charting Office

Distribution Division, AVN - 530
 6303 Ivy Lane, Suite 400
 Greenbelt, MD 20770-1479

and authorized agents of the National Ocean Service. Price \$26.00. The 2004 Mid-Year Update Edition cancels the preceding 2004 Edition. All corrections to the previous edition issued in Notices to Mariners are incorporated in this edition.

Mariners are encouraged to use the convenient "RECORD OF CHANGES" form on Page VI of this book. All Coast Pilot changes published in the U.S. Coast Guard Local to Mariners, National Geospatial-Intelligence Agency Notice to mariners, and on the Internet at: <http://nauticalcharts.noaa.gov/nsd/cpdownload.htm>, are serially numbered (i.e., Changes No. 1, Changes No. 2. etc.) to assist you in tracking the changes.

II. DISCREPANCIES-DISCREPANCIES CORRECTED

This section lists all discrepancies to Aids to Navigation reported and corrected since the last published list. A discrepancy is a change in the status of an aid to navigation that differs from what is published and or charted. **Unless otherwise indicated, missing and destroyed structures are presumed to be in the immediate vicinity. Mariners should proceed with caution.**

FEDERAL AID DISCREPANCIES:

LLNR	AID NAME	DISCREPANCY	CHART	BNM	LN
2985	Cooper River Light 69	TRLB	11524	210-04 CHA	30/04
6345	Colonels Island Outbound Range Rear Light	LT EXT	11506	334-04 MAY	30/04
7300	Training Wall Range Rear Light	LT EXT	11491	329-04 MAY	30/04
32595	Rupert Rock Daybeacon	DBN IMCH	25649	209-04 GAN	30/04
34885	Wadmalaw River Daybeacon 85	DBN DEST	11522	204-04 CHA	30/04
38050	South Amelia River Daybeacon 21	DBN DEST	11489	335-04 MAY	30/04
39550	Matanzas River Daybeacon 83	DBN IMCH	11485	327-04 MAY	30/04
55980	Pine Island Sound Daybeacon 49	TRUB	11427	1035-04 STP	30/04

FEDERAL AID DISCREPANCIES CORRECTED:

LLNR	AID NAME	DISCREPANCY	CHART	BNM	LN
345	Tybee Light	WATCHING PROPERLY	11512	186-04 CHA	30/04
570	St Johns Lighted Buoy STJ	WATCHING PROPERLY	11480	330-04 MAY	02/04
3865	North Edisto River Entrance Lighted Buoy 6	WATCHING PROPERLY	11522	198-04 CHA	21/04
3885	North Edisto River Inner Lighted Buoy 9	WATCHING PROPERLY	11522	206-04 CHA	29/04
4540	Tybee Light	WATCHING PROPERLY	11512	N/A	30/04
4775	New Channel Range Rear Light	WATCHING PROPERLY	11512	205-04 CHA	30/04
4790	Long Island Crossing Lower Range Front Light	WATCHING PROPERLY	11512	208-04 CHA	30/04
7110	St Johns Lighted Buoy STJ	WATCHING PROPERLY	11480	330-04 MAY	02/04
7295	Training Wall Range Front Light	WATCHING PROPERLY	11491	328-04 MAY	30/04
11895	Mosquito Bank Light 2	WATCHING PROPERLY	11451	039-04 KEY	09/04
12210	Snake Creek Daybeacon 3	WATCHING PROPERLY	11462	089-04 KEY	22/04
12240	Snake Creek Daybeacon 7	WATCHING PROPERLY	11451	086-04 KEY	21/04
13495	Long Key Light 44	WATCHING PROPERLY	11449	084-04 KEY	20/04
13875	Bahia Honda Key Light 49A	WATCHING PROPERLY	11453	122-04 KEY	27/04
15225	Key West Northwest Channel Light 14	WATCHING PROPERLY	11441	158-03 KEY	39/03
22510	Port Manatee Channel Range Rear Light	WATCHING PROPERLY	11425	1019-04 STP	30/04
22580	Tampa Bay Cut C Channel Lower Range Front LT	WATCHING PROPERLY	11416	N/A	30/04
22600	Tampa Bay Cut C Channel Range Front Light	WATCHING PROPERLY	11416	1003-04 STP	29/04
22605	Tampa Bay Cut C Channel Range Rear Light	WATCHING PROPERLY	11416	N/A	30/04
22615	Tampa Bay Cut C Channel Lighted Buoy 4C	WATCHING PROPERLY	11412	1020-04 STP	30/04
22810	Tampa Bay Cut F Channel North Range Front LT	WATCHING PROPERLY	11416	N/A	30/04
23505	Hillsborough Cut D Channel Range Rear Light	WATCHING PROPERLY	11416	N/A	30/04
25020	St Petersburg Yacht Basin Light 2	WATCHING PROPERLY	11415	1012-04 STP	29/04
32895	Christiansted Harbor Channel Light 7	WATCHING PROPERLY	25645	207-04 GAN	29/04
36010	Wilmington River Light 30	WATCHING PROPERLY	11512	207-04 CHA	30/04
38380	Pablo Creek Light 9	WATCHING PROPERLY	11489	264-04 MAY	26/04
39950	Halifax River Daybeacon 19	WATCHING PROPERLY	11485	327-04 MAY	30/04
40005	Halifax River Daybeacon 32	WATCHING PROPERLY	11485	331-04 MAY	30/04
41205	Indian River (North Section) Daybeacon 27	WATCHING PROPERLY	11485	325-04 MAY	29/04
42355	Banana River Daybeacon 1	WATCHING PROPERLY	11472	310-04 MAY	28/04
47823	Biscayne Bay Buoy 6B	WATCHING PROPERLY	11467	348-04 MIA	30/04
50745	St Lucie River Light 15	WATCHING PROPERLY	11472	347-04 MIA	30/04

51255	Clewiston Channel (Rt 1B) Daybeacon 1	WATCHING PROPERLY	11428	708-04 STP	21/04
57545	Lemon Bay Channel Light 32	WATCHING PROPERLY	11425	1030-04 STP	30/04
60845	Boca Ciega Bay Light 24	WATCHING PROPERLY	11411	1013-04 STP	29/04

PRIVATE AID DISCREPANCIES:

LLNR	AID NAME	DISCREPANCY	CHART	BNM	LNM
29165	*Florida Power Corporation Channel Light 51	LT EXT	11408	1016-04 STP	30/04
29175	*Florida Power Corporation Channel Light 54	LT EXT	11408	1021-04 STP	30/04
32965	*Christiansted Schooner Channel Lighted Buoy 7	LT EXT	25645	211-04 GAN	30/04

PRIVATE AID DISCREPANCIES CORRECTED:

LLNR	AID NAME	DISCREPANCY	CHART	BNM	LNM
18515	*North Estero Bay Daybeacon 6	WATCHING PROPERLY	11427	N/A	24/04
18730	*North Estero Bay Daybeacon 65	WATCHING PROPERLY	11427	333-04 STP	10/04
18835	*Mullock Creek Daybeacon 13	WATCHING PROPERLY	11427	N/A	15/04
18860	*Mullock Creek Daybeacon 22	WATCHING PROPERLY	11427	N/A	15/04
27760	*Hernando Beach Channel Daybeacon 62	WATCHING PROPERLY	11409	N/A	28/04
29170	*Florida Power Corporation Channel Light 52	WATCHING PROPERLY	11408	1016-04 STP	30/04
54793.65	*Sword Point Channel Daybeacon 17	WATCHING PROPERLY	11427	905-04 STP	27/04
55015	*Matlacha Pass Daybeacon 26	WATCHING PROPERLY	11426	513-04 STP	16/04
55040	*Matlacha Pass Daybeacon 32	WATCHING PROPERLY	11426	1487-03 STP	50/03
55175	*Matlacha Pass Daybeacon 65	WATCHING PROPERLY	11426	1553-03 STP	52/03

II. TEMPORARY CHANGES-AIDS ESTABLISHED:

LLNR	AID NAME	DISCREPANCY	CHART	BNM	LNM
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NONE.

III TEMPORARY CHANGES CORRECTED:

LLNR	AID NAME	DISCREPANCY	CHART	BNM	LNM
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NONE.

IV. CHART CORRECTIONS

(Explanation of Format)

Corrective action affecting charts is contained in this section. Chart corrections are listed numerically by chart number, beginning with the lowest and progressing through all charts affected. The correction listed pertains to that chart only. It is up to the mariner to decide which charts are to be corrected. The following example explains the individual elements of a typical correction.

Chart number	Chart edition	Edition date	Last Local Notice to Mariners	Reference datum	Source of correction	Current Notice to Mariners
11534	26th ed. Myrtle Grove Sound to Fear River to Casino Creek Add	12/14/91	LAST LNM 41/92 *Boguse Channel Light 1, Fl G 2.5s, 16 ft, 7M	NAD 83	(CDG07)	45/00 32-48-00.000N 079-15-00.000W
	Corrective action		Object of corrective action	(Temp) indicates Temporary Correction		

The letter (M) immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. (TEMP) indicates that the chart correction action is temporary in nature. Courses and bearings are given in degrees clockwise from 000 true. Bearings of light sectors are toward the light from seaward. The nominal range of lights is expressed in nautical miles (m). (*) Asterisk is used to identify Private Aids.

411	49th Ed Mar 2003 GULF OF MEXICO		LAST LNMM 28/04	NAD 83	(NOS NW -7932)	30/04
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	Add	non dangerous wreck symbol (K29) with label : PA at		24-53-06.000N	083-03-42.000W
11006	31st Ed Sep 2003	LAST LNM 28/04	NAD 83	(NOS NW -7932,40,43)	30/04
	Add	KEY WEST TO THE MISSISSIPPI RIVER non dangerous wreck symbol (K29) with label : PA at		24-53-06.000N	083-03-42.000W
	Change	dangerous wreck symbol (K28) to non-dangerous wreck symbol at		27-35-17.000N	084-12-02.000W
	Change	dangerous wreck symbol (K28) to non-dangerous wreck symbol at		26-20-18.000N	082-40-30.000W
	Delete	6 fms sounding dotted danger curve, blue tint and label: Wk centered at		30-10-40.000N	087-18-08.000W
	Add	8 fms sounding dotted danger curve, blue tint and label: Wk centered at		30-10-47.100N	087-17-40.700W
11013	45th Ed Jul 2003	LAST LNM 28/04	NAD 83	(NOS NW -7932,38,40)	30/04
	Change	FL-STRAITS OF FLORIDA AND APPROACHES dangerous wreck symbol (K28) to non-dangerous wreck symbol at		24-53-06.000N	083-03-42.000W
	Change	dangerous wreck symbol (K28) to non-dangerous wreck symbol at		27-35-17.000N	084-12-02.000W
	Change	dangerous wreck symbol (K28) to non-dangerous wreck symbol at		26-20-18.000N	082-40-30.000W
11411	14th ed. 09/01/2002	LAST LNM: 27/04	NAD 83	CGD07	30/04
	RELOCATE	FL - ICW -TAMPA BAY TO PORT RICHEY St Joseph Sound Daybeacon 8 (TR-TY on pile) from to		28-01-18.557N 28-01-18.830N	082-47-52.850W 082-47-52.806W
11416	6th Ed Jan 2004	LAST LNM 29/04	NAD 83	NOS NW -7909,7990)	30/04
	Add	FL-TAMPA BAY visible pile symbol and label : Pile centered at		27-47-33.877N	082-35-13.467W
	Change	Siesta Key - Tampa Bay Lt 67 characteristics to: Q G 16ft 4M "67" at		27-32-06.256N	082-42-06.280W
11420	27th Ed Mar 2003	LAST LNM 29/04	NAD 83	NOS NW -7932)	30/04
	Change	FL-HAVANA TO TAMPA BAY dangerous wreck symbol (K28) to non-dangerous wreck symbol at		24-53-06.000N	083-03-42.000W
11434	25th Ed Aug 2003	LAST LNM 07/04	NAD 83	(NOS NW -7932)	30/04
	Change	FL-FLORIDA KEYS SOMBRERO KEY TO DRY TORTUGAS dangerous wreck symbol (K28) to non-dangerous wreck symbol at		24-53-06.000N	083-03-42.000W
11439	26th Ed. Jul 2004 NEW EDITION	LAST LNM 13/04	NAD 83	(NOS Silver Spring, MD) 1 : 80,000/LORAN-C	30/04
		FL-SAND KEY TO REBECCA SHOAL (New edition due to hydrographic changes.)			
	This NOAA chart is now available in both the Print-on Demand and digital raster formats. See http://chartmaker.ncd.noaa.gov/mcd/dole.htm for details. The corresponding traditional paper chart will be available in two to eight weeks.				
11472	31st ed. 12/01/2002	LAST LNM: 29/04	NAD 83	CGD07	30/04
		FL-ICW-PALM SHORES TO WEST PALM BEACH CGD07			

ADD	*Loxahatchee River Daybeacon 1 (SG on pile)	at	26-56-52.248N	080-05-29.908W
ADD	*Loxahatchee River Daybeacon 2 (TR on pile)	at	26-56-53.534N	080-05-29.090W
ADD	*Loxahatchee River Daybeacon 3 (SG on pile)	at	26-56-53.340N	080-05-35.600W
RELOCATE	*Loxahatchee River Lighted Buoy 4, FI R 6s	from to	26-57-05.206N 26-56-55.095N	080-05-55.151W 080-05-34.708W
ADD	*Loxahatchee River Daybeacon 5 (SG on pile)	at	26-56-55.269N	080-05-43.644W
ADD	*Loxahatchee River Daybeacon 6 (TR on pile)	at	26-56-57.584N	080-05-43.207W
ADD	*Loxahatchee River Daybeacon 7 (SG on pile)	at	26-56-56.937N	080-05-50.502W
ADD	*Loxahatchee River Junction Lighted Buoy A, (FI R (2+1) 6s	at	26-57-00.381N	080-05-53.890W
ADD	*Loxahatchee River Daybeacon 9 (SG on pile)	at	26-56-57.675N	080-05-53.662W
ADD	*Loxahatchee River Daybeacon 10 (TR on pile)	at	26-56-59.866N	080-05-55.744W
ADD	*Loxahatchee River Lighted Buoy 11, FI G 6s	at	26-57-00.097N	080-06-13.537W
ADD	*Loxahatchee River Daybeacon 12 (TR on pile)	at	26-57-01.577N	080-06-13.358W
ADD	*Loxahatchee River Buoy 11A, Green	at	26-57-00.660N	080-06-23.880W
ADD	*Loxahatchee River Buoy 12A, Red	at	26-57-01.980N	080-06-24.180W
ADD	*Loxahatchee River Daybeacon 13 (SG on pile)	at	26-57-03.009N	080-06-28.815W
ADD	*Loxahatchee River Lighted Buoy 14, FI R 6s	at	26-57-04.056N	080-06-28.903W
ADD	*Loxahatchee River Daybeacon 15 (SG on pile)	at	26-57-09.285N	080-06-39.800W
ADD	*Loxahatchee River Lighted Buoy 16, FI R 6s	at	26-57-28.241N	080-07-12.873W
ADD	*Loxahatchee River North Fork Daybeacon 2 (TR on pile)	at	26-57-00.990N	080-05-53.490W
ADD	*Loxahatchee River North Fork Daybeacon 3 (SG on pile)	at	26-57-03.755N	080-05-55.731W
ADD	*Loxahatchee River North Fork Daybeacon 4 (TR on pile)	at	26-57-04.269N	080-05-54.551W
ADD	*Loxahatchee River North Fork Daybeacon 5 (SG on pile)	at	26-57-09.410N	080-05-57.357W
CHANGE	*Loxahatchee River North Fork Buoy 6, Red	to		
RELOCATE	*Loxahatchee River North Fork Daybeacon 6 (TR on pile) and	from to	26-57-11.206N 26-57-09.542N	080-05-56.151W 080-05-56.445W
ADD	*Loxahatchee River North Fork Daybeacon 8 (TR on pile)	at	26-57-13.804N	080-06-00.290W
ADD	*Loxahatchee River Southwest Fork Daybeacon 1 (SG on pile)	at	26-56-56.930N	080-06-33.255W
ADD	*Loxahatchee River Southwest Fork Daybeacon 2 (TR on pile)	at	26-56-56.432N	080-06-34.807W

	ADD	*Loxahatchee River Southwest Fork Daybeacon 3 (SG on pile) at			26-56-48.025N	080-06-38.085W	
	ADD	*Loxahatchee River Southwest Fork Lighted Buoy 4 , Fl R 6s at			26-56-48.582N	080-06-38.846W	
	ADD	*Loxahatchee River Southwest Fork Daybeacon 6 (TR on pile) at			26-56-46.178N	080-06-43.771W	
11487	19th ed.	11/24/2001	LAST LNM: 04/04	NAD 83	CGD07	30/04	
		FL-ST JOHNS RIVER-RACY PT TO CRESCENT LAKE					
	RELOCATE	Murphy Island Daybeacon 25, (SG on pile)	from		29-35-34.000N	081-40-13.000W	
			to		29-35-33.437N	081-40-15.033W	
11492	19th Ed	Nov 24 2001	LAST LNM 29/04	NAD 83	(NOS NW -7930)	30/04	
		FL-ST JOHNS RIVER JACKSONVILLE TO RACY PT					
	Add	black dotted danger curve, blue tint, and label: Foul	from		29-54-55.480N	081-35-39.540W	
			to		29-54-53.170N	081-35-41.700W	
			to		29-54-51.550N	081-35-40.140W	
			to		29-54-51.910N0	81-35-37.070W	
	Add	black dashed line (pier in ruins)	from		29-59-04.400N	081-35-22.200W	
			to		29-59-03.230N	081-35-22.320W	
	Add	black dashed line (pier in ruins)	from		29-54-54.590N	081-37-15.030W	
			to		29-54-54.590N	081-37-10.040W	
11495	16th ed.	02/16/2002	LAST LNM: 29/04	NAD 83	CGD07	30/04	
		FL-ST JOHNS RIVER-DUNNS CREEK TO LAKE DEXTER					
	RELOCATE	Murphy Island Daybeacon 25, (SG on pile)	from		29-35-34.000N	081-40-13.000W	
			to		29-35-33.437N	081-40-15.033W	
11506	40th ed.	01/01/2003	LAST LNM: 28/04	NAD 83	CGD07	30/04	
		GA-ST SIMONS SOUND-BRUNSWICK HARBOR AND TURTLE RIVER					
	RELOCATE	Brunswick Point Cut Lighted Buoy 29 , Red	from		31-06-55.421N	081-29-02.627W	
			to		31-06-55.421N	081-29-02.627W	
11506	40th Ed	Jan 2003	LAST LNM 28/04	NAD 83	(NOS NW -8007)	30/04	
		GA-ST SIMONS SOUND BRUNSWICK HARBOR AND TURTLE RIVER					
	Add	Tabulation: Brunswick Harbor	at		31-1330.000N	081-31-16.000W	
11524	47th Ed	Feb 2004	LAST LNM 27/04	NAD 83	NOS NW -7922)	30/04	
		SC-CHARLESTON HARBOR					
	Change	Tabulation - Charleston Harbor	centered at		32-48-30.000N	079-51-30.000W	
11527	16th Ed	Jan 13 2001	LAST LNM 26/04	NAD 83	(NOS NW -7922)	30/04	
		SC-COOPER RIVER ABOVE GOOSE CREEK					
	Change	Tabulation - Cooper River	centered at		32-58-35.000N	079-51-00.000W	

ADVANCE NOTICES

NONE.

PROPOSED CHANGES

WEST INDIES – PUERTO RICO – PASAJE DE VIEQUES AND RADAS ROOSEVELT

The following changes to the Aids to Navigation System have been proposed for Radas Roosevelt Passage.

RADAS ROOSEVELT PASSAGE LIGHTED BUOY 3 (LLNR 31550) will be renumbered to Lighted Buoy 1 displaying published characteristics.

RADAS ROOSEVELT PASSAGE LIGHTED BUOY 5 (LLNR 31555) will be discontinued.

RADAS ROOSEVELT PASSAGE LIGHTED BUOY 6 (LLNR 31560) will be discontinued.

RADAS ROOSEVELT PASSAGE LIGHTED BUOY 7 (LLNR 31565) will be renumbered to Lighted Buoy 3 displaying published characteristics.

RADAS ROOSEVELT PASSAGE LIGHTED BUOY 8 (LLNR 31570) will be renumbered to Lighted Buoy 4 displaying published characteristics.

RADAS ROOSEVELT PASSAGE LIGHTED BUOY 9 (LLNR 31575) will be discontinued.

RADAS ROOSEVELT PASSAGE LIGHTED BUOY 11 (LLNR 31585) will be discontinued.

All comments should be addressed to Commander (OAN), Seventh Coast Guard District 909 S.E. 1st Ave (STE 406) Brickell Plaza Federal Bldg Miami, FI 33131 to be received by 01 November 2004.

Ref: LNM 29/04

Chart: 25666

WEST INDIES – PUERTO RICO – VIRGIN PASSAGE AND SONDE DE VIEQUES

The following changes to the Aids to Navigation System have been proposed for Sonde de Vieques.

PUNTA MELONES LIGHT (LLNR 31680) will be discontinued.

BAJOS GRAMPUS SOUTH LIGHTED BUOY 2 (LLNR 31700) will be relocated to approximate position 18-15-24N/65-11-42W displaying published characteristics.

PUERTO REAL SHOAL BUOY 1 (LLNR 31720) will be discontinued.

All comments should be addressed to Commander (OAN), Seventh Coast Guard District 909 S.E. 1st Ave (STE 406) Brickell Plaza Federal Bldg Miami, FI 33131 to be received by 01 November 2004.

Ref: LNM 29/04

Chart: 25650

WEST INDIES – PUERTO RICO – PASAJE DE VIEQUES AND RADAS ROOSEVELT

The following changes to the Aids to Navigation System have been proposed for Roosevelt Roads Harbor and Approach.

VIEQUES SOUTHWEST CHANNEL RANGE FRONT LIGHT (LLNR 31390) will be discontinued.

VIEQUES SOUTHWEST CHANNEL RANGE REAR LIGHT (LLNR 31395) will be discontinued.

VIEQUES SOUTHWEST CHANNEL LIGHTED BUOY 1 (LLNR 31410) will be discontinued.

VIEQUES SOUTHWEST CHANNEL LIGHTED BUOY 2 (LLNR 31415) will be relocated to approximate position 18-10-08N/65-36-24W displaying published characteristics.

ROOSEVELT ROADS HARBOR CHANNEL LIGHTED BUOY 1 (LLNR 31425) will be discontinued.

ROOSEVELT ROADS HARBOR CHANNEL LIGHTED BUOY 4 (LLNR 31450) will be discontinued.

ROOSEVELT ROADS HARBOR CHANNEL LIGHTED BUOY 5 (LLNR 31455) will be discontinued.

ROOSEVELT ROADS HARBOR TURNING BASIN BUOY 8 (LLNR 31470) will be discontinued.

ROOSEVELT ROADS HARBOR ANCHORAGE BUOY A (LLNR 31475) will be discontinued.

ROOSEVELT ROADS HARBOR ANCHORAGE BUOY B (LLNR 31480) will be discontinued.

ROOSEVELT ROADS HARBOR TURNING BASIN LIGHTED BUOY 9 (LLNR 31485) will be discontinued.

ROOSEVELT ROADS HARBOR TURNING BASIN BUOY 11 (LLNR 31500) will be discontinued.

ROOSEVELT ROADS HARBOR TURNING BASIN BUOY 13 (LLNR 31505) will be discontinued.

ROOSEVELT ROADS HARBOR ANCHORAGE BUOY C (LLNR 31510) will be discontinued.

ROOSEVELT ROADS HARBOR ANCHORAGE BUOY D (LLNR 31515) will be discontinued.

All comments should be addressed to Commander (OAN), Seventh Coast Guard District 909 S.E. 1st Ave (STE 406) Brickell Plaza Federal Bldg Miami, FL 33131 to be received by 01 November 2004.

Ref: LNM 29/04

Chart: 25666

A. BRIDGE INFORMATION.

NONE.

B. MISCELLANEOUS INFORMATION.

GULF OF MEXICO-LOSTMANS RIVER TO WIGGINS PASS: Sub-Surface Operations.

During the period of 16 August through 22 August 2004, the Navy will be conducting a project in the Gulf of Mexico approximately 125 NM west/southwest of Naples, Florida. The operating area is in a box, the Northern boundary being Latitude: 26 deg 24N, the Eastern boundary being Longitude: 83 deg 45W, the Southern boundary being Latitude: 25 deg 12N and the Western boundary being Longitude: 84 deg 30W. During this time there will be numerous sub-surface obstructions within the operating area. These obstructions have the potential to severely damage any trawling gear deployed within the operating area designated above. All vessels are requested to observe this as a no-transit zone during this time frame.

Chart: 11430

FLORIDA-STRAITS OF FLORIDA-SOMBRERO KEY TO DRY TORTUGAS: Offshore Operations.

A drilling platform is conducting operations in position: Latitude 23-27.3N Longitude 082-00.1W, approximately 26NM NE of Havana, Cuba. Cuba has established a 500 meter security zone around the platform.

Ref: LNM 25/04 through 29/04

Chart: 11434

SOUTH CAROLINA-CHARLESTON HARBOR SOUTH CHANNEL-MIDDLE GROUND: Cable laying Operations.

Cape Romain Contractors have temporarily established two lighted steel I-Beams. The north marker will be located in approximate position: Latitude 32-45'57.8N Longitude 079-54'07.8W, south marker will be located in approximate position: Latitude 32-45'53.3N Longitude 079-54'07.8W. The steel beam will be displaying a flashing white light 2.5s characteristic light and marked with two white and orange day boards with the displaying legion "DANGER CABLE AREA".

The lighted beams will remain until 6 November 2004. All vessels approaching the area are requested to contact the tug ANDY JR, on channel 13 or 16 VHF-FM prior to entering area. All mariners are advised to transit these areas with caution and reduce wake in vicinity of cable laying operations.

Ref: LNM 25/04 through 29/04

Chart: 11524

FLORIDA-MIAMI HARBOR-DODGE ISLAND TURNING BASIN-DODGE ISLAND CUT-LUMMUS ISLAND TURNING BASIN-LUMMUS ISLAND CUT: Marine Operations.

Great Lakes Dredge and Dock Co., has advised that on or about 26 July 2004 core boring (drilling) operations will commenced at ten (10) locations in the Miami Harbor. All boring will be in Fishermans Channel, Lummus Island Turning Basin and Dodge Island Turning Basin and Cut.. All core borings will be drilled from a self propelled jack-up barge (35 ft x 65 ft). The barge will be on-scene for approximately two (2) weeks once work has commenced, working hours are expected to be during daylight hours only.

BORING	LATITUDE	LONGITUDE	ALTERNATE BORING	
GL04-1	25 46'19.54" N	80-10' 44.38" W		
GL04-2	25 46'23.96" N	80-10' 38.33" W		
GL04-3	25 45'18.97" N	80-10' 31.26" W		
GL04-4	25 46'14.92" N	80-10'15.97" W		
GL04-5	25 45'05.96" N	80-10' 08.38" W		
GL04-6	25 45'57.04" N	80-10' 05.71" W		
GL04-7	25 45'55.97" N	80-09' 53.13" W	25 46'02.58" N	80-09' 48.99" W
GL04-8	25 45'56.35" N	80-09' 31.80" W	25 45'54.83" N	80-09' 34.93" W
GL04-9	25 45'55.18" N	80-09' 01.73" W	25 45'53.59" N	80-09' 00.65" W
GL03-10	25 45'55.55" N	80-08' 40.94" W	25 45'56.93" N	80-08' 38.75" W

The jack-up barge will monitor channels 13 and 16 VHF. All vessels are advised to transit the area with caution.

Ref: LNM 29/04

Chart: 11468

FLORIDA-INTRACOASTAL WATERWAY-INDIAN RIVER (South Section)-JENSEN BEACH: Marine Construction.

The Florida Department of Transportation (FDOT) has begun demolition of the Jensen Beach Causeway Bridge. The demolition is planned to occur in two phases.

Deployment for phase one is expected to begin in mid-April and continue for eight weeks. Deployment for phase two is planned to begin in October, 2004 and continue for six months. Specifically deployment will occur:

ON THE DONALDSON SITE WITHIN AN AREA DESCRIBED BY:

Corner	Latitude	Longitude
SE	27-11'36"	80-04'58"
SW	27-10'58"	80-06'41"
NE	27-13'38"	80-05'43"
NW	27-13'00"	80-06'09"

ON THE SIROTKIN SITE WITHIN AN AREA DESCRIBED BY:

Corner	Latitude	Longitude
SE	27-11'28"	80-00'00"
SW	27-11'28"	80-02'19"
NE	27-13'32"	80-00'00"
NW	27-13'32"	80-03'04"

For further information concerning this project please contact Ms. Kathy FitzPatrick (Coastal Engineer) at (772) 288-5927.

Ref: LNM 15/04 through 29/04

Chart: 11473

FLORIDA-INTRACOASTAL WATERWAY-PALM SHORES TO WEST PALM BEACH-LOXAHATCHEE RIVER: Aids to be Changed.

The aids to navigation in the Loxahatchee River, Loxahatchee River North Folk, and Loxahatchee River Southwest Folk, have been changed from mostly buoys to mostly fixed aids and have been relocated and renumbered. Caution, local knowledge is highly recommended.

Ref: LNM 29/04

Chart: 11472

FLORIDA-INTRACOASTAL WATERWAY-WEST PALM BEACH TO MIAMI-INDIAN CREEK: Submerged Cable Repair.

Florida Power and Light has advised that emergency repair work has begun in the Indian Creek Waterway, Miami, Florida. The project is to repair a submerged damaged power cable. The completion date is on or about 30 November 2004. For further information concerning this project please contact Mr. Ed Garcia at (305) 229-7806. All mariners are advised to use caution while transiting this area.

Ref: LNM 27 through 29/04

Chart: 11467

V. LIGHT LIST CORRECTIONS

(1) Red.No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
46255	- Daybeacon 1	26 56 52 N 80 05 29 W	*	*	*	SG on pile.	Private aid.
*	*	*	*	*	*	*	*
							(30/04)
46260	- Daybeacon 2	*	*	*	*	TR on pile.	Private aid.
*	*	*	*	*	*	*	*
							(30/04)

46262	- Daybeacon 3	*	*	*	*	SG on pile.	Private aid.
							*(30/04)
46265	- Lighted Buoy 4	26 56 55 N	FI R 6s		3	Red.	Private aid.
		80 05 34 W		*	*	*	*(30/04)
46270	- Daybeacon 5	*	*	*	*	SG on pile.	Private aid.
						*	*(30/04)
46275	- Daybeacon 6	*	*	*	*	TR on pile.	Private aid.
						*	*(30/04)
46280	- Daybeacon 7	*	*	*	*	SG on pile	Private aid.
						*	*(30/04)
46285	- Junction Lighted Buoy A	26 57 00 N	FI R (2+1) 6s			Red.	Private aid.
		80 05 53 W		*	*	*	*(30/04)
46290	- Daybeacon 9	*	*	*	*	SG on pile	Private aid.
						*	*(30/04)
46295	- Daybeacon 10	*	*	*	*	TR on pile.	Private aid.
						*	*(30/04)
46300	- Lighted Buoy 11	*	FI G 6s	*	*	Green.	Private aid.
			*			*	*(30/04)
46305	- Daybeacon 12	*	*	*	*	TR on pile.	Private aid.
						*	*(30/04)
46307	- Buoy 11A	*	*	*	*	Green.	Private aid.
						*	*(30/04)
46310	- Buoy 12A	*	*	*	*	Red.	Private aid.
						*	*(30/04)
46312	- Daybeacon 13	*	*	*	*	SG on pile.	Private aid.
						*	*(30/04)
46315	- Daybeacon 14	*	*	*	*	TR on pile.	Private aid.
						*	*(30/04)
46320	- Daybeacon 15	*	*	*	*	SG on pile.	Private aid.
						*	*(30/04)
46325	- Lighted Buoy 16	*	FI R 6s	*	*	Red.	Private aid.
			*			*	*(30/04)

46330	- Daybeacon 2	26 57 00 N					TR on pile.	Private aid.
*	*	80 05 53 W	*	*	*	*	*	*
								(30/04)
46335	- Daybeacon 3						SG on pile.	Private aid.
*	*		*	*	*	*	*	*
								(30/04)
46337	- Daybeacon 4						TR on pile.	Private aid.
*	*		*	*	*	*	*	*
								(30/04)
46340	- Daybeacon 5						SG on pile.	Private aid.
*	*		*	*	*	*	*	*
								(30/04)
46345	- Daybeacon 6						TR on pile.	Private aid.
*	*		*	*	*	*	*	*
								(30/04)
46350	- Daybeacon 8						TR on pile.	Private aid.
*	*		*	*	*	*	*	*
								(30/04)
46355	- Daybeacon 1	26 56 56 N					SG on pile.	Private aid.
*	*	80 06 33 W	*	*	*	*	*	*
								(30/04)
46358	- Daybeacon 2						TR on pile.	Private aid.
*	*		*	*	*	*	*	*
								(30/04)
46360	- Daybeacon 3						SG on pile.	Private aid.
*	*		*	*	*	*	*	*
								(30/04)
46365	- Daybeacon 4						TR on pile.	Private aid.
*	*		*	*	*	*	*	*
								(30/04)
46370	- Daybeacon 6						TR on pile.	Private aid.
*	*		*	*	*	*	*	*
								(30/04)

IX

ADDITIONAL ENCLOSURES

- Enclosure:
- (1) Tabulation of Controlling Depths: Brunswick Harbor Channel. Chart: 11506.
 - (2) Tabulation of Controlling Depths: Charleston Harbor, Cooper River and Shipyard River. Chart: 11524.
 - (3) Tabulation of Controlling Depths: Cooper River. Chart: 11527.
 - (4) Report of Channel conditions: Folly River, Folly Beach, SC.
 - (5) U.S. Coast Pilot 4, Atlantic Coast: Cape Henry to Key West, 2003 (35th) Edition. Change No. 43, 44 and 45.
 - (6) U.S. Coast Pilot 5, Atlantic Coast: Gulf of Mexico, Puerto Rico, and Virgin Islands, 2004 Mid-Year Update (32nd) Edition. Change No. 6.
 - (7) Central Bahama-Autec Operating Areas: Positioning Coordinates.

D.B.Peterman
Rear Admiral, U.S. Coast Guard
Commander, Seventh Coast Guard District

11506

BRUNSWICK HARBOR CHANNEL DEPTHS							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUL 2004							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BAR CHANNEL							
(ST SIMON RANGE)	37.0	39.5	436.0	6-04	500	7.7	32
PLANTATION CREEK RANGE	38.0	41.0	40.0	6-04	400	1.6	32
JEKYLL ISLAND RANGE	30.5	32.0	32.5	6-04	400	1.9	30
CEDAR HAMMOCK RANGE	30.5	30.0	28.5	6-04	400	1.4	30
BRUNSWICK PT CUT RANGE	28.0	29.0	29.0	6-04	400	2.4	30
EAST RIVER							
LOWER REACH	626.5	28.0	27.0	6-04	400	1.1	30
UPPER REACH	24.0	27.0	25.0	6-04	350	1.0	27
EAST RIVER TURNING BASIN	24.0	24.5	24.5	6-04	750	0.2	30
TURTLE RIVER LOWER RANGE	31.5	30.0	30.0	6-04	300	1.7	30
BLTYHE ISLAND RANGE	31.0	26.0	26.0	6-04	300	1.5	30
TURTLE RIVER UPPER RANGE	29.0	28.0	27.0	6-04	300	1.7	30
SOUTH BRUNSWICK RIVER	31.0	31.5	32.0	6-04	400	1.3	30

A. OBSTRUCTION REPORTED WITH A DEPTH OF 29 FEET, LOCATED AT 31°04'06.6"N; 081°16'35.7"W.

B. THE EAST RIVER, LOWER REACH WIDENER LEAST DEPTHS WERE 29.0 FEET, LOCATED 50 FEET INSIDE THE CHANNEL LIMIT, AND 29.0 FEET, LOCATED 150 FEET INSIDE THE CHANNEL LIMIT FROM THE LEFT SIDE.

NOTE - FOR THE LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS, DEPTHS GIVEN REPRESENT CONDITIONS 50 FEET INSIDE THE CHANNEL LIMITS. (EXCEPT FOR THE EAST RIVER TURNING BASIN)

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 11527

COOPER RIVER								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF MAR 2000 AND SURVEYS TO JUN 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS			
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
COOPER RIVER								
RANGE A	38.2	37.4	39.3	37.9	7,8-96; 7,10-03; 6-04	400-1350	1.02	35
RANGE B	18.6	23.1	39.1	37.3	12-99;10-03	VARIES	.74	35
RANGE C	20.6	A24.6	38.9	39.2	7,8-98;12-99;10,11,12-03	VARIES	.76	35
RANGE D	38.9	38.4	38.2	38.0	2-00;11,12-03	VARIES	.58	35
RANGE E	32.1	34.8	38.2	38.3	1-95	VARIES	.38	35
RANGE F	25.0	36.6	35.2	33.9	1-95	VARIES	.29	35

A. OBSTRUCTION LOCATED WITH A DEPTH OF 37 FEET, AT 32°55'15.9"N; 79°55'54.8"W.

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHARLESTON HARBOR, COOPER RIVER AND SHIPYARD RIVER
 TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS- SURVEYS TO JUN 2004

CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
FORT SUMTER RANGE	43.9	48.1	48.0	41.3	3,4,5-04	1000	14.8	A47
MOUNT PLEASANT RANGE	46.7	47.5	45.8	47.8	8-03	1000-600	1.6	A45
REBELLION REACH	47.4	48.8	47.8	48.1	8-03	800	1.4	45
SHUTES-FOLLY REACH	48.2	48.1	48.4	48.9	9-03	600-800	1.3	45
HORSE REACH	48.6	49.5	49.1	46.0	9-03	800	0.5	45
CUSTOMHOUSE REACH	47.1	49.2	48.8	47.3	9-03	1385	0.2	45
SOUTH CHANNEL	24.4	24.8	24.5	B24.3	10-98	600-1000	3.1	45
HOG ISLAND REACH	46.5	46.9	45.2	42.6	9-03	600-1300	1.5	45
DRUM ISLAND REACH	41.0	44.9	47.3	34.1	4,5-02;3,5-04	600-1300	0.7	45
TOWN CREEK LOWER REACH	39.5	39.0	39.0	38.2	9-03	400-450	1.1	45
TURNING BASIN	36.5	34.3	34.2	35.4	5-02	250	0.25	35
TOWN CREEK UPPER REACH	35.2	40.2	C40.9	40.5	11-01;5-02	250	1.0	16
MYERS BEND	45.4	48.3	48.6	48.1	5-04	600-900	0.4	45
DANIEL ISLAND REACH	44.4	47.4	44.9	38.3	5-04	880-980	1.2	45
DANIEL ISLAND BEND	35.8	50.0	49.5	48.0	5,6-04	700-780	0.4	45
CLOUTER CREEK REACH	45.6	47.3	47.8	47.3	5,6-04	600	0.9	45
NAVY YARD REACH	46.9	48.0	48.1	46.1	6-04	600-700	1.1	45
NORTH CHARLESTON REACH	47.1	49.1	49.2	47.3	6-04	500-600	1.0	45
FILBIN CREEK REACH	46.2	49.0	49.3	44.7	6-04	500	0.6	45
PORT TERMINAL REACH	41.5	47.9	48.2	44.0	6-04	600	0.7	45
ORDNANCE REACH	48.7	50.1	48.6	49.5	6-04	600	0.3	45
ORDNANCE REACH TURNING BASIN	49.2	47.3	45.6	45.0	6-04	800	0.28	45
WANDO RIVER								
LOWER REACH	44.0	47.1	47.2	39.2	4,5-02;3-04	1500-400	1.3	45
UPPER REACH	41.2	41.2	43.5	42.3	3-04	400-850	0.74	45
TURNING BASIN	44.4	44.2	46.8	46.1	3-04	550	0.3	45
SHIPYARD CREEK								
MAIN CHANNEL	25.3	27.5	28.8	25.8	3-04	1200-300	1.0	30
LOWER TURNING BASIN	44.3	45.1	46.0	43.8	3-04	700	0.2	38
UPPER TURNING BASIN	18.8	21.2	23.0	21.6	3-04	600	0.15	30
COOPER RIVER								
RANGE A	38.2	37.4	38.3	37.9	7,8-98;7,10-03;6-04	400-1350	1.02	35
RANGE B	18.6	23.1	39.1	37.3	12-99;10-03	VARIES	0.74	35
RANGE C	20.6	D24.6	38.9	38.2	7,8-98;12-99;10,11,12-03	VARIES	0.76	35
RANGE D	38.9	38.4	38.2	38.0	2-00;11,12-03	VARIES	0.58	35
RANGE E	32.1	34.8	38.2	36.3	1-95	VARIES	0.38	35
RANGE F	25.0	36.6	35.2	33.9	1-95	VARIES	0.29	35

A. FOR WIDTH OF 1000 FEET, THE PROJECT DEPTH IS 42 FEET FOR OUTER 100 FEET.
 B. ALONG CHANNEL EDGE.
 C. OBSTRUCTION LOCATED WITH A DEPTH OF 39 FEET, AT 32°48'45.3"N; 79°55'45.7"W.
 D. OBSTRUCTION LOCATED WITH A DEPTH OF 37 FEET, AT 32°55'15.9"N; 79°55'54.8"W.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

11524

REPORT OF CHANNEL CONDITIONS 100 TO 400 FEET WIDE (ER 1130-2-316)					PAGE 1 OF 1 PAGE		
TO:					DATE July 2004		
FROM: US ARMY CORPS OF ENGINEERS - CHARLESTON 69A HAGOOD AVE. CHARLESTON, SOUTH CAROLINA 29403-5107							
RIVER/HARBOR NAME AND STATE Folly River, Folly Beach, SC (9002)					MINIMUM DEPTHS IN CHANNEL ENTERING FROM SEAWARD		
NAME OF CHANNEL	DATE OF SURVEY	AUTHORIZED PROJECT			LEFT OUTSIDE QUARTER (feet)	MIDDLE HALF (feet)	RIGHT OUTSIDE QUARTER (feet)
		WIDTH (feet)	LENGTH (miles)	DEPTH (feet)			
Folly River							
Entrance Channel Station 0+00 to 21+29.10 NOAA CHART NO. 11522	6 July 2004	100	0.4	11	9.7	9.4	9.8
Entrance Channel Station 21+29.10 to 54+39.49 NOAA CHART NO. 11522	6 July 2004	100	0.6	11	7.0	7.1	7.4
Entrance Channel Station 54+39.49 to 64+00 NOAA CHART NO. 11522	6 July 2004	100	0.2	11	8.6	7.0	7.8
REMARKS 1. ALL DEPTHS REFER TO LOCAL MEAN LOW WATER. 2. THE INFORMATION SHOWN REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND REFLECTS THE GENERAL CONDITIONS AT THAT TIME. 3. THE RIGHT AND LEFT SIDES OF THE CHANNEL REFER TO TRAVEL IN A GENERAL DIRECTION WHEN ENTERING FROM SEAWARD 4. THE NATURAL CHANNEL WIDTH GENERALLY EXCEEDS THE PROJECT WIDTH SHOWN. 5. POINT OF CONTACT: DOUG HOLMES PHONE: 843-329-8135							

Publication-National Ocean Service-U.S. Coast Pilot 4, Atlantic Coast: Cape Henry to Key West, 2003 (35th) Edition. Change No. 43.

Coast Pilot 4 35th Ed 2003

Corrections

Page 252-Paragraph 136, read:

North Atlantic right whales are the world's most endangered large whale. They can be found seasonally from Canada to Florida. Right whales migrate along the east coast between the northern feeding grounds off of New England and Canada and the southern calving grounds off of Florida, Georgia, and South Carolina. The southern migration occurs in the fall and early winter, and the northern migration occurs in the winter and early spring.

Ship strikes and entanglement in fishing gear are the right whales two primary sources of human-related mortality. Right whales are highly vulnerable to ship strikes; then mate, rest, feed, and nurse their young at the waters surface and often do not move out of the way of oncoming ships. Calves returning north from the southern calving grounds with their mothers are particularly susceptible to collisions with ships.

(CL 1004/04)

Page 253-Paragraph 137, read:

Seasonal occurrence of North Atlantic right whales: In seasons and in areas where right whales may occur, vessel operators should maintain a sharp lookout and proceed with caution. An area designated as right whale critical habitat (calving ground) includes waters between 31°15'N. and 30°15'N., (approximately from the mouth of the Altamaha River, GA to Jacksonville, FL from the shoreline to 15 nautical mile offshore); and between 30°15'N, and 28°00'N., (approximately from Jacksonville, FL to Sebastian Inlet, FL from the shoreline to 5 nautical miles

offshore). Occasionally in the calving season, right whales have been sighted as far north as Georgetown, SC and as far south as St. Lucie Inlet, FL. In September through December, right whales migrate to the calving ground from critical habitats off of New England and Canada. In January through April, right whales and their calves migrate northward from the critical habitat feeding grounds off of New England and Canada. Migrating whales often occur within 25 to 30 nautical miles offshore along the east coast. Right whales occur seasonally off the Virginia coast (peak season: February through April, and October through December); in the approaches of Beaufort, Morehead City, and Wilmington, NC (peak season: October through April); in the approaches to Georgetown and Charleston Harbor, SC (peak season: October through April); and in the approaches to Savannah, GA (peak season: November through April). Seasonal right whale advisories and sighting reports are broadcast periodically for these areas by Coast Guard Broadcast Notice to Mariners, NAVTEX, NOAA Weather Radio, and in the return message from the Right Whale Mandatory Ship Reporting (MSR) system.

(CL 1025/04)

Page 253-Paragraph 138, line 2; read: reaches lengths of 45 to 60 feet and is black in color.

(CL 1004/04)

Page 253-Paragraph 139, line 2;

read: permit, a dedicated seasonal-program (December through March) of

overflights ...
(CL 1004/04)

Page 253-Paragraph 139, line 6
through Paragraph 140; read:
purposes. Survey planes
occasionally contact ship Masters
to communicate right whale
sightings directly to the bridge.
However, many right whales go
undetected.

Precautions: The National
Marine Fisheries Service recommends
the following precautionary
measures be taken to avoid North
Atlantic right whales.
(CL 1004/04)

Page 253-Paragraph 141, line 3;
read:
to Mariners, NAVTEX, NOAA Weather
Radio, Mandatory Ship Reporting
(MSR) system, and other sources for
recent ...
(CL 1004/04)

Page 253-Paragraph 142, line 3
through Paragraph 146; read:
lookouts familiar with spotting
whales.

When planning passage along
the southeast coast, attempt to
avoid transit through the right
whale critical habitat during
calving season by remaining
offshore and plan to minimize
travel distances through the
critical habitat when entering or
leaving port. Anticipate delays due
to whale sightings.

When the ability to spot
whales is reduced (e.g. night, fog,
rain, etc), mariners should bear in
mind that reduced speed may
minimize the risk of ship strikes.

Local ships' pilots may also
provide additional information of
the known locations of right whales
and local safe vessel operating
procedures.

(CL 1004/04)

Publication-National Ocean Service-U.S. Coast Pilot 4, Atlantic Coast: Cape Henry to Key West, 2003 (35th) Edition. Change No. 44.

Coast Pilot 4 35th Ed 2003 Corrections

Page 255-Paragraph 161 through Paragraph 162, line 2; read:

Mandatory Ship Reporting (MSR) Systems (WHALESNORTH and WHALESSOUTH), have been established within the following areas:

Northeastern reporting system

Geographical boundaries of the northeastern area include the waters of Cape Cod Bay, Massachusetts Bay, and the Great South Channel east and southeast of Massachusetts. The coordinates (NAD 83) of the area are as follows:

From a point on Cape Ann, MA at

42°39'N., 70°37'W., thence northeast to
42°45'N., 70°13'W., thence southeast to
42°10'N., 68°31'W., thence south to
41°00'N., 68°31'W., thence west to
41°00'N., 69°17'W., thence northwest to
42°05'N., 70°02'W., thence west to
42°04'N., 70°10'W., and thence along the Massachusetts shoreline of Cape Cod Bay and Massachusetts Bay back to the point on Cape Ann, MA at

42°39'N., 70°37'W.

Southeastern reporting system

Geographical boundaries of the southeastern area include coastal waters within about 25 nautical miles (45 kilometers) along a 90-nautical mile (170-kilometer) stretch of the Atlantic seaboard in Florida and Georgia. The area coordinates (NAD 83) extends from the shoreline east to 80°51.6'W., with the southern and northern boundaries at 30°00'N., and 31°27'N., respectively.

Mandatory Ship Reporting (MSR) systems require all vessels,

300 gross tons or greater, to report to the U.S. Coast Guard prior to entering two designated reporting areas off the east coast of the United States. (See 33 CFR 169, chapter 2, page 155, for limits and regulations.) Sovereign immune vessels are exempt from the requirements to report, but are encouraged to participate.

The two reporting systems will operate independently of each other. The system in the northeastern ...

(CL 1004/04)

Page 255-Paragraph 188, insert after:

Mariners should check all MSR messages carefully before transmittal to ensure the messages include the correct address and correct format. Additional comments in the message will preclude message receipt by the MSR system. Failure to receive a timely return message from the MSR system, providing locations of recent right whale sightings and precautionary guidance, should be reported to the local Marine Safety Office of the U.S. Coast Guard.

(CL 1004/04)

Page 273-Paragraph 11, line 3; read:

Pilot 3, Atlantic Coast-Sandy Hook to Cape Henry.

North Atlantic Right Whales

Endangered North Atlantic right whales often occur within 25 to 30 nautical miles off of the Virginia coast (peak season: February through April, and October through December) and the North Carolina coast (peak season: October through April). (See **North Atlantic right whales**, indexed as

such, chapter 3).
(CL 1025/04)

Page 297-Paragraph 7, line 8; read:
4 days per month.

North Atlantic Right Whales

Endangered North Atlantic right whales often occur within 25 to 30 nautical miles off of the North Carolina coast, and may occur in the approaches of the deepwater ports of Morehead City and Wilmington, and the smaller port of Beaufort (peak season: October through April) (See **North Atlantic right whales**, indexed as such, chapter 3).

(CL 1025/04)

Page 319-Paragraph 9, line 9; read:
storm is over open water.

North Atlantic Right Whales

Endangered North Atlantic right whales often occur within 25 to 30 nautical miles off of the North Carolina and South Carolina coasts (peak season: October through April). (See **North Atlantic right whales**, indexed as such, chapter 3).

(CL 1025/04)

Page 341-Paragraph 10, line 7;
read:
showers.

North Atlantic Right Whales

Endangered North Atlantic right whales often occur within 25 to 30 nautical miles off of the South Carolina and Georgia coasts, in the approaches to Charleston Harbor (peak season: October through April) and Savannah (peak season: November through April). It is illegal to approach closer than 500 yards of any right whale. (See 50 CFR 224.103(c), chapter 2, for limits and regulations.) (See **North Atlantic right whales**, indexed as such, chapter 3).

(CL 1025/04)

Page 359-Paragraph 10, read:

North Atlantic Right Whales

The northern limit of the right whale critical habitat is just south of Altamaha Sound 31°15'N. from the coast out 15 nautical miles (see 50 CFR 226.203(c), chapter 2). Right whales have been sighted as far north as Savannah River in the calving season, generally December through March. In March and April, right whales accompanied by calves migrate northward from the critical habitat, often within 20 miles of the coast to summer feeding grounds off New England. (See **North Atlantic right whales**, indexed as such, chapter 3). It is illegal to approach closer than 500 yards of any right whale. (See 50 CFR 224.103(c), chapter 2, for limits, regulations, and exceptions.)

(CL 1004/04; 50 CFR 226; 50 CFR 224)

Page 368-Paragraph 123: Delete.
(NOS/04; CL 1004/04)

Page 381-Paragraph 4, line 7
through Paragraph 5; read:
northeasterly or northerly winds.

North Atlantic Right Whales

Approaches to the St. Johns River entrance lie within designated critical habitat for endangered North Atlantic right whales (see 50 CFR 226.203(c), chapter 2.) The area is a calving ground from generally December through March. It is illegal to approach right whales closer than 500 yards. (See 50 CFR 224.103(c), chapter 2, for limits, regulations, and exceptions.) Special precautions may be needed to protect and avoid these animals. (See **North Atlantic right whales**, indexed as such, chapter 3).

(CL 1004/04)

Publication-National Ocean Service-U.S. Coast Pilot 4, Atlantic Coast: Cape Henry to Key West, 2003 (35th) Edition. Change No. 45.

Coast Pilot 4 35th Ed 2003 Corrections

Page 124-Paragraph 1681, lines 5-6;
read:
are consolidated into three reports
(sailing plan, position, and
final).

(FR 7/1/04)

Page 131-Paragraph 1777, line 8;
read:
approved material is available for
inspection at the Office of the
Federal ...

(CL 941/04; FR 6/23/04)

Page 249-Paragraph 48, line 2;
read:
Lucie Shoal Lighted Buoy 12.

(LL/04; 33/03 CG7)

Page 250-Paragraph 65, line 6;
read:
passing 1 mile eastward of Miami
Lighted Buoy ...

(LL/04)

Page 284-Paragraph 163, line 2;
read:
westward of Croatan Sound Approach
Light 3CS, but entrance ...

(LL/04)

Page 291-Paragraph 249, lines 3-4;
read:
daybeacons. In October 2003, the
privately dredged entrance channel
had a reported controlling depth of
6.1 ...

(DB 5393)

Page 338-Paragraph 200, lines 6-7;
read:
bridge at Mount Pleasant. In June
2003, the reported controlling
depth was 6.0 feet to the highway
bridge. Shem ...

(DB 1909)

Page 349-Paragraph 88, line 18;
read:
Creek, forming flats. In 1999-2004,
the creek had a reported ...

(DB 6024)

Page 349-Paragraph 89, lines 3-4;
read:
and extends 6 miles into Hilton
Head Island. In May 2004, the
reported controlling depth was 8.1
feet for a ...

(DB 6019)

Page 427-Paragraph 320, line 8;
read:
cut opposite the basin. In May
2004, the controlling ...

(CL 968/04)

Page 457-Paragraph 85, lines 3-4;
read:
October 2003, the privately dredged
entrance channel had a reported
controlling depth of 6.1 feet.
Several ...

(DB 5393)

Publication-National Ocean Service-U.S. Coast Pilot 5, Atlantic Coast: Gulf of Mexico, Puerto Rico, and Virgin Islands, 2004 Mid-Year Update (32nd) Edition. Change No. 6.

Coast Pilot 5 32nd Ed 2004 (Mid-Year Update) Corrections

Page 137-Paragraph 1905, line 8;
read:
approved material is available for
inspection at the Office of the
Federal ...

(CL 941/04; FR 6/23/04)

Page 321-Paragraph 6, line 3; read:
NW of the entrance to Tampa Bay.
(See 50 CFR 622, ...
(50 CFR 622.34)

A. CENTRAL BAHAMAS-AUTEC OPERATING AREAS WITHIN THE FOLLOWING POSITIONS: PART 1 OF 2.

1. FROM 25-20-00N 78-05-00W TO 25-20-00N 77-51-30W TO 25-13-30N 77-49-45W TO 25-12-30N 78-01-00W THEN FOLLOWING THE 100 FATHOM CURVE BACK TO ORIGIN.
2. FROM 25-20-00N 77-51-30W TO 25-20-00N 77-39-00W TO 25-12-30N 77-39-00W TO 25-12-30N 77-49-45W TO ORIGIN.
3. FROM 25-12-30N 78-01-00W TO 25-12-30N 77-49-45W TO 25-05-00N 77-47-45W TO 25-05-00N 77-56-45W THEN FOLLOWING THE 100 FATHOM CURVE BACK TO ORIGIN.
4. FROM 25-12-30N 77-49-45W TO 25-12-30N 77-39-00W TO 25-05-00N 77-39-00W TO 25-05-00N 77-47-45W TO ORIGIN.
5. FROM 25-05-00N 77-56-45W TO 25-05-00N 77-47-45W TO 24-52-00N 77-38-45W TO 24-52-00N 77-52-00W THEN FOLLOWING THE 100 FATHOM CURVE BACK TO ORIGIN.
6. FROM 25-05-00N 77-47-45W TO 25-05-00N 77-39-00W TO 24-53-45N 77-32-30W THEN FOLLOWING THE 100 FATHOM CURVE TO 24-52-00N 77-30-30W TO 24-52-00N 77-38-45W BACK TO ORIGIN.
7. FROM 24-52-00N 77-47-30W TO 24-52-00N 77-38-45W TO 24-40-30N 77-31-15W TO 24-40-30N 77-39-00W TO ORIGIN.
8. FROM 24-52-00N 77-38-45W TO 24-52-00N 77-30-30W THEN FOLLOWING THE 100 FATHOM CURVE TO 24-40-30N 77-23-30W TO 24-40-30N 77-31-15W THEN TO ORIGIN.
9. FROM 24-40-30N 77-39-00W TO 24-40-30N 77-31-15W TO 24-29-00N 77-26-30W TO 24-29-00N 77-38-00W TO 24-36-00N 77-38-00W THEN TO ORIGIN.
10. FROM 24-40-30N 77-31-15W TO 24-40-30N 77-23-30W THEN FOLLOWING THE 100 FATHOM CURVE TO 24-29-00N 77-14-45W TO 24-29-00N 77-26-30W THEN TO ORIGIN.
11. FROM 24-29-00N 77-38-00W TO 24-29-00N 77-26-30W TO 24-17-00N 77-23-30W TO 24-17-00N 77-34-45W TO 24-23-30N 77-38-00W THEN TO ORIGIN.

12. FROM 24-29-00N 77-26-30W TO 24-29-00N 77-14-45W THEN FOLLOWING THE 100 FATHOM CURVE TO 24-17-00N 77-12-30W TO 24-17-00N 77-23-30W THEN TO ORIGIN.
13. FROM 24-17-00N 77-34-45W TO 24-17-00N 77-23-30W TO 24-05-00N 77-20-15W TO 24-05-00N 77-28-00W THEN TO ORIGIN.
14. FROM 24-17-00N 77-23-30W TO 24-17-00N 77-12-30W THEN FOLLOWING THE 100 FATHOM CURVE TO 24-05-00N 77-12-30W TO 24-05-00N 77-20-15W THEN TO ORIGIN.
15. FROM 24-05-00N 77-28-00W TO 24-05-00N 77-20-15W TO 23-50-00N 77-13-00W TO 23-50-00N 77-23-00W THEN TO ORIGIN.
16. FROM 24-05-00N 77-20-15W TO 24-05-00N 77-12-30W THEN FOLLOWING THE 100 FATHOM CURVE TO 23-55-45N 77-00-00W TO 23-50-00N 76-58-30W TO 23-50-00N 77-13-00W THEN TO ORIGIN.
17. FROM 23-50-00N 77-26-15W TO 23-50-00N 77-13-00W TO 23-40-00N 77-09-00W TO 23-40-00N 77-21-30W THEN FOLLOWING THE 100 FATHOM CURVE BACK TO ORIGIN.
18. FROM 23-50-00N 77-13-00W TO 23-50-00N 76-58-30W TO 23-40-00N 76-55-45W TO 23-40-00N 77-09-00W TO ORIGIN.
19. FROM 23-55-45N 77-00-00W THEN FOLLOWING THE 100 FATHOM CURVE TO 23-40-00N 76-32-15W TO 23-40-00N 76-55-45W TO 23-50-00N 76-58-30W BACK TO ORIGIN.
20. FROM 23-40-00N 77-21-30W TO 23-40-00N 76-55-45W TO 23-23-30N 76-55-45W THEN FOLLOWING THE 100 FATHOM CURVE BACK TO ORIGIN.
21. FROM 23-40-00N 76-55-45W TO 23-40-00N 76-32-15W THEN FOLLOWING THE 100 FATHOM CURVE TO 23-23-30N 76-55-45W TO ORIGIN.
- B. SURFACE TRANSIT LANE FROM 24-52-00N 77-52-00W TO 24-52-00N 77-47-30W TO 24-40-30N 77-39-00W TO 24-36-00N 77-38-00W TO 24-23-30N 77-38-00W TO 24-17-00N 77-34-45W TO 24-05-00N 77-28-00W TO 23-50-00N 77-23-00W TO 23-50-00N 77-26-15W THEN FOLLOWING THE 100 FATHOM CURVE BACK TO ORIGIN.
- C. THE AUTEC NATO FORACS RGE IS DEFINED BY THE FOLLOWING BOUNDRIES: 24-47-30N 77-49-18W TO 24-51-18N 77-42-30W TO 24-41-18N 77-35-00W TO 24-37-30N 77-41-18W THEN FOLLOWING THE 100 FATHOM CURVE BACK TO ORIGIN.