



LOCAL NOTICE TO MARINERS

U.S. Department of Homeland Security United States Coast Guard



WEEKLY EDITION

May 25, 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 667-04 to 699-04
- GROUP CHARLESTON (CHA) BNM 131-04 to 138-04
- GROUP MAYPORT (MAY) BNM 196-04 to 208-04
- GROUP MIAMI (MIA) BNM 213-04 to 232-04
- GROUP KEY WEST (KEY) BNM 084-04 to 088-04
- GROUP ST. PETERSBURG (STP) BNM 686-04 to 739-04
- SAN JUAN GANTSEC (GAN) BNM 141-04 to 148-04

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@d7.uscg.mil.

REFERENCES:

- Light List, Vol. III, Atlantic and Gulf Coasts, 2003 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 2003 (30th 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 84 (941) 366-5595	June 1 – Aug 17, 2004 Coastal Navigation	7:30 p.m.– 9:30 p.m. (Tuesdays) 12 Lessons	CG Flotilla 84 Building 10 th Street Boat Ramp 1101 Tenth Street Sarasota, FL
U.S. Coast Guard Auxiliary Flotilla 36 (561) 391-3600	June 1 – July 20, 2004 Boating Skills and Seamanship	7:00 p.m.– 9:00 p.m. (Tuesdays) 8 Lessons	Marine Safety Building 3939 N. Ocean Building Boca Raton, FL
U.S. Power Squadron Venice (941) 485-7245	June 5, 2004 Boat Smart Course	8:30 a.m.– 12:00 p.m. (Saturday)	Waymire Training Center Wellfield Park Venice, FL
U.S. Coast Guard Auxiliary Flotilla 84 (941) 366-5595	June 6 – July 8, 2004 Boating Skills & Seamanship	7:30 p.m.– 9:30 p.m. (Mondays and Thursdays) 10 Lessons	CG Flotilla 84 Building 10 th Street Boat Ramp 1101 Tenth Street Sarasota, FL

U.S. Coast Guard Auxiliary Flotilla 59 (561) 219-9711	June 7 – July 21, 2004 Boating Safety Program	7:00 p.m.– 9:00 p.m. (Mondays & Thursdays) 5 Lessons	Flotilla 59 Ops Center Sandsprit Park Stuart, FL
U.S. Power Squadron Venice (941) 485-7245	June 12, 2004 Boat Smart Course	8:30 a.m.– 12:00 p.m. (Saturday)	Waymire Training Center Wellfield Park Venice, FL

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

I. SPECIAL NOTICES

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.

ST SIMONS SOUND AND SAVANNAH RIVER: PROPOSED SECURITY ZONES AND REGULATED NAVIGATION AREA

In conjunction with the upcoming meeting of the G-8 Summit, to be held at Sea Island, Georgia, the U.S. Coast Guard proposes to establish a Security Zone on waters of St Simons Sound and a Security Zone and Regulated Navigation Area (RNA) on waters of the Savannah River. These temporary measures would be in effect on June 5-11, 2004. For Federal Register Numbers and web links reference LNM 20/04 Enclosure (1).

Ref: LNM 20/04

Chart: 11506

DGPS KENSINGTON, SOUTH CAROLINA OFF AIR TIMES

Kensington, South Carolina DGPS will be off air on June 22, 2004, from 1400Z to 1600Z. Alternate dates and times will be June 23, 2004 from 1400Z to 1600Z. Users shall address inquiries to the DGPS Eastern Operations Control Officer (CWO2 Thomas Coyne) at (703) 313-5902.

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.

DATES OF LATEST EDITIONS, NAUTICAL CHARTS AND MISCELLANEOUS MAPS

The Dates of Latest Editions, Nautical Charts and Miscellaneous Maps, dated April 1, 2004, published by the National Ocean Service, is available for issue. It may be obtained free by mail from the National Aeronautical Charting Office, AVN-530, Federal Aviation Administration, 6303 Ivy Lane, Suite 400, Greenbelt MD, 20770-1479, by telephone at 1-800-638-8972 or from your local authorized nautical chart sales agent. This is a quarterly publication listing the most recent editions of nautical charts, miscellaneous maps and publications relating to navigation, weather, etc. with brief descriptions and up-to-date prices for most of the publications listed. Much of this information may also be obtained online at: <http://chartmaker.ncd.noaa.gov/mcd/dole.htm>

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	LNM
3865	North Edisto River Entrance Lighted Buoy 6	LT EXT	11522	133-04 CHA	21/04
4985	Oglethorpe Range Rear Light	DBN IMCH	11512	140-04 CHA	21/04
6385	Turtle River Daybeacon 10	TRUB	11506	197-04 MAY	21/04
6950	Kings Bay Upper Range E Rear Light	DBN DEST	11503	201-04 MAY	21/04
12240	Snake Creek Daybeacon 7	TRLB	11451	086-04 KEY	21/04
30795	Bahia de San Juan Lighted Buoy 8	TRUB	25670	145-04 GAN	21/04
33845	Little River-Winyah Bay Light 38	TRLB	11534	139-04 CHA	21/04
34630.5	Stono River Daybeacon 18	TRUB	11518	131-04 CHA	21/04
37705	Kings Bay Upper Range E Rear Light	DBN DEST	11503	201-04 MAY	21/04
46045	Peck Lake Daybeacon 18	DBN DEST	11472	222-04 MIA	21/04
46410	Lake Worth Creek Daybeacon 18	TRUB	11472	224-04 MIA	21/04
46950	Lake Worth South Daybeacon 30	TRLB	11467	219-04 MIA	21/04
50640.5	St Lucie River Buoy 3A	TRUB	11472	229-04 MIA	21/04
50645	St Lucie River Buoy 4	TRUB	11428	227-04 MIA	21/04
51155	St Lucie Canal Daybeacon 46	TRUB	11428	226-04 MIA	21/04
51255	Clewiston Channel (Rt 1B) Daybeacon 1	DBN DEST	11428	708-04 STP	21/04
56545	Gasparilla Sound Channel Light 8	TRLB	11425	703-04 STP	21/04

FEDERAL AID DISCREPANCIES CORRECTED:

LLNR	AID NAME	DISCREPANCY	CHART	BNM	LNM
620	Hetzel Shoal Lighted Buoy 8	WATCHING PROPERLY	11484	129-04 MAY	14/04
3575	Ashley River Approach Range Rear Light	WATCHING PROPERLY	11524	128-04 CHA	20/04
4580.1	Bloody Point Range Lighted Buoy 8A	WATCHING PROPERLY	11512	130-04 STP	21/04
4700	Calibogue Sound Entrance Light 6	WATCHING PROPERLY	11512	375-03 CHA	50/03
4805	Long Island Crossing Upper Range Rear LT	WATCHING PROPERLY	11512	134-04 CHA	21/04
6055	St Simons Sound Entrance Lighted Buoy 5	WATCHING PROPERLY	11506	206-04 MAY	21/04
6065	St Simons Sound Entrance Lighted Buoy 7	WATCHING PROPERLY	11506	207-04 MAY	21/04
6715	Cumberland Sound Lighted Buoy 25	WATCHING PROPERLY	11503	203-04 MAY	21/04
7065	Amelia River Lighted Buoy 5	WATCHING PROPERLY	11503	205-04 MAY	21/04
7135	St Johns River Lighted Buoy 5	WATCHING PROPERLY	11490	198-04 MAY	21/04
9250	Monroe Cut Light 2	WATCHING PROPERLY	11498	180-04 MAY	19/04
9825	Fort Pierce Inlet Entrance Range Rear Light	WATCHING PROPERLY	11475	204-04 MIA	21/04
10245	Lake Worth Inlet Light 11	WATCHING PROPERLY	11466	088-04 MIA	10/04
11890	Mosquito Bank Light 35	WATCHING PROPERLY	11451	085-04 KEY	21/04
22850	Gadsden Point Cut/Hill Cut C Ch. South RFL	WATCHING PROPERLY	11416	700-04 STP	21/04
31095	Ashley River Approach Range Rear Light	WATCHING PROPERLY	11524	128-04 CHA	20/04

37915	Cumberland Sound Lighted Buoy 25	WATCHING PROPERLY	11503	203-04 MAY	21/04
37945	Amelia River Lighted Buoy 5	WATCHING PROPERLY	11503	205-04 MAY	21/04
41220	Titusville Yacht Basin Daybeacon 3	WATCHING PROPERLY	11485	N/A	21/04
41315	Indian River (North Section) Daybeacon 34	WATCHING PROPERLY	11485	N/A	21/04
41545	Indian River (North Section) Light 67	WATCHING PROPERLY	11485	196-04 MAY	20/04
46720	Lake Worth South Daybeacon 2	WATCHING PROPERLY	11472	184-04 MIA	19/04
46900	Lake Worth South Daybeacon 20	REBUILT/REMAINS	11472	213-04 MIA	21/04

PRIVATE AID DISCREPANCIES:

LLNR	AID NAME	DISCREPANCY	CHART	BNM	LNM
11540	*Garden Cove Daybeacon 1	DBN DEST	11463	088-04 KEY	21/04
14180	*Upper Sugarloaf Sound Daybeacon 1	DBN DEST	11442	N/A	21/04
14375	*Cudjoe Key Daybeacon 2B	DBN IMCH	11446	N/A	21/04
14380	*Cudjoe Key Daybeacon 4B	DBN IMCH	11445	N/A	21/04
21345	*Stump Pass Light 1	DBN IMCH	11425	N/A	21/04
21375	*Stump Pass Daybeacon 7	DBN DEST	11425	N/A	21/04
44405	*Vero Isles Daybeacon 4	DBN DEST	11476	209-04 MIA	21/04
45980	*Miles Grant Daybeacon 2	DBN IMCH	11476	N/A	21/04
57470	*Royal Palm Marina Buoy 1	DBN DMGD	11425	N/A	21/04
57619.5	*Forked Creek Southeast Obstruction Dbn	DBN DEST	11425	N/A	21/04

PRIVATE AID DISCREPANCIES CORRECTED:

LLNR	AID NAME	DISCREPANCY	CHART	BNM	LNM
59370	*Coral Shores Channel Daybeacon 2	WATCHING PROPERLY	11425	N/A	29/02
59535	*Mt Vernon & Coral Shores Daybeacon 1N	WATCHING PROPERLY	11425	N/A	17/04

II. TEMPORARY CHANGES-AIDS ESTABLISHED:

LLNR	AID NAME	DISCREPANCY	CHART	BNM	LNM
------	----------	-------------	-------	-----	-----

NONE.

TEMPORARY CHANGES CORRECTED:

LLNR	AID NAME	DISCREPANCY	CHART	BNM	LNM
------	----------	-------------	-------	-----	-----

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.	12/14/91	LAST LNM 41/92	NAD 83	(CDG07)	45/00
	Myrtle Grove Sound to Fear River to Casino Creek Add		*Boguse Channel Light 1, FI G 2.5s, 16 ft, 7M		32-48-00.000N	079-15-00.000W
			(Temp) indicates Temporary Correction			
	Corrective action		Object of corrective action			

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.

11509	28th Ed. May 2004 NEW EDITION GA-TYBEE ISLAND TO DOBOY SOUND (New edition due to various general changes.)	LAST LNM 19/04	NAD 83	(NOS Silver Spring, MD)	21/04 1 : 80,000/LORAN-C
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.					
11512	59th ed. 01/01/2003 GA-SC-SAVANNAH RIVER AND WASSAW SOUND	LAST LNM: 19/04	NAD 83	CGD07	21/04
	CHANGE Calibogue Sound Entrance Light 6 Calibogue Sound Entrance Buoy 6, Red		to at	32-06-22.190N	080-49-41.688W
11513	23rd ed. 12/23/2000 SC-GA-ST HELENA SOUND TO SAVANNAH RIVER	LAST LNM: 10/04	NAD 83	CGD07	21/04
	CHANGE Calibogue Sound Entrance Light 6 Calibogue Sound Entrance Buoy 6, Red		to at	32-06-22.190N	080-49-41.688W
11516	30th ed. 08/01/2003 GA-SC-SAVANNAH RIVER AND WASSAW SOUND	LAST LNM: 43/03	NAD 83	CGD07	21/04
	CHANGE Calibogue Sound Entrance Light 6 Calibogue Sound Entrance Buoy 6, Red		to at	32-06-22.190N	080-49-41.688W
11521	26th Ed Feb 2 2002 SC-CHARLESTON HARBOR AND APPROACHES	LAST LNM 19/04	NAD 83	(NOS NW -7700)	21/04
	ADD Tabulation - Charleston Harbor Entrance		centered at	32-45-35.000N	080-17-53.000W
11523	21st Ed Feb 2 2002 SC-CHARLESTON HARBOR ENTRANCE	LAST LNM 13/04	NAD 83	(NOS NW 7700)	21/04
	ADD Tabulation - Charleston Harbor Entrance		centered at	32-47-06.000N	079-52-11.000W
11524	47th Ed Feb 2004 SC-CHARLESTON HARBOR	LAST LNM 20/04	NAD 83	(NOS NW -7700)	21/04
	ADD Tabulation - Charleston Harbor, Cooper River, and Shipyard River		centered at	32-48-30.000N	079-51-30.000W
11527	16th Ed Jan 13 2001 SC-COOPER RIVER ABOVE GOOSE CREEK	LAST LNM 16/04	NAD 83	(NOS NW -7700)	21/04
	ADD Tabulation - Cooper River		centered at	32-58-35.000N	079-51-00.000W
25670	42nd Ed Oct 2003 PR-BAHIA DE SAN JUAN	LAST LNM 16/04	NAD 83	(NOS NW -7617)	21/04
	CHANGE Bar Channel range line		from to	18-27-18.300N 18-28-33.200N	066-07-42.600W 066-07-41.400W

ADVANCE NOTICES

SOUTH CAROLINA - WINYAH BAY: Changes to Aids to Navigation.

WINYAH BAY LIGHTED BELL BUOY 8 (LLNR 1905) will be changed to Lighted Buoy 8 displaying published characteristic.

WINYAH BAY LIGHTED BELL BUOY 10 (LLNR 1925) will be changed to Lighted Buoy 10 displaying published characteristic.

This project will be completed the week of 20 June 2004.

Ref: LNM 12, 13, 14, 15, 16, 17, 18, 19 and 20/04

Chart: 11532

V. PROPOSED CHANGES

WEST INDIES – PUERTO RICO – WEST COAST

The following change to the aids to navigation system has been proposed for the West Coast of Puerto Rico.

Reduce the nominal range of PUNTA BORINQUEN LIGHT (LLNR 30715) to 15 nautical miles. The aid will continue to display all other published characteristics.

All comment 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 15 July 2004.

Ref: LNM 16, 17, 18, 19 and 20/04

Chart: 25671

FLORIDA-ESTERO BAY TO LEMON BAY: Changes to Aids to Navigation.

The following change has been proposed at Boca Grande.

GASPARILLA ISLAND LIGHT (LLNR 1310) will be permanently discontinued. This aid was formerly known as BOCA GRANDE (ENTRANCE REAR RANGE) LIGHT (LLNR 1310/19905). The range was permanently discontinued in January 2003.

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 no later than 31 May 2004.

Ref: LNM 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 and 20/04

Chart: 11426

A. BRIDGE INFORMATION.

FLORIDA – ST. JOHNS RIVER – JACKSONVILLE – MAIN STREET BRIDGE: Bridge Repairs.

The Main Street Bridge, mile 24.7, Jacksonville, Florida need not open from 6:00 p.m. to 6:00 a.m. June 11 to June 21, 2004, due to repairs to the bridge. Additionally, the vertical clearance of the bridge will be reduced by 5 feet in the closed position and the maximum vertical clearance will be limited to 99 feet in the open position.

Ref: LNM 35, 44, 48-03, 01, 06, 09, and 18-04
Chart: 11491

CG File: 2715

FLORIDA – ATLANTIC INTRACOASTAL WATERWAY – INDIAN RIVER – MAX BREWER SWINGBRIDGE: Special Regulations.

Due to emergency repairs, the Max Brewer Swingbridge, Intracoastal Waterway mile 878.9, Cape Canaveral, Florida will only open at 7:00 a.m., 10:00 a.m., 1:00 p.m., 4:00 p.m. and 7:00 p.m. until June 15, 2004. The swingbridge will be unable to open at any other time.

Chart: 11485

File 2790

FLORIDA – GULF INTRACOASTAL WATERWAY – VENICE INLET TO SIESTA KEY – SOUTH VENICE BRIDGE: Single-leaf Operations.

The South Venice Bridge, Intracoastal Waterway mile 54.9 at Venice, Florida will be on single-leaf operations from June 9 to August 31, 2004, due to construction. A horizontal clearance of 36 feet is available from the fender system to the down span.

Chart: 11425

File: 3141

B. MISCELLANEOUS INFORMATION

HAITI-PORT-AU-PRINCE: Aids Established.

The following Aids to Navigation have been established in Port-Au-Prince, Haiti:

Port-Au-Prince LB PA: 18-34-11.400N 072-25-33.100W, Characteristics: MO A
Port-Au-Prince LB 1: 18-34-00.000N 072-24-32.800W, Characteristics: FI G 2.5s
Port-Au-Prince LB 2: 18-33-54.000N 072-24-34.200W, Characteristics: FI R 2.5s
Port-Au-Prince LB 3: 18-33-44.600N 072-23-27.100W, Characteristics: FI G 4s
Port-Au-Prince LB 4: 18-33-38.000N 072-23-28.800W, Characteristics: FI R 4s
Port-Au-Prince LB 5: 18-33-29.500N 072-22-21.800W, Characteristics: FI G 2.5s
Port-Au-Prince LB 6: 18-33-24.400N 072-22-28.800W, Characteristics: Q R
Port-Au-Prince LB 7: 18-33-24.800N 072-22-10.680W, Characteristics: Q G

Port-Au-Prince LB 9: 18-33-18.000N 072-21-41.200W, Characteristics: FI G 2.5s
Port-Au-Prince LB 10 18-33-13.200N 072-21-40.200W, Characteristics: FI R 2.5s

Ref: LNM 11 and 12, 13, 14, 15, 16, 17, 18, 19 and 20/04

Chart: 11451

FLORIDA-SEACOAST-JUPITER INLET TO FOWLEY ROCKS: Offshore Underwater Operations.

Lockheed Martin Corporation-Perry Technologies will be using the Naval Underseas Warfare Center (NUWC) M/V Range Rover as the surface support platform to conduct a Navy ROV sponsored Acceptance Trial. The ROV Acceptance Trials will take place approximately two miles south of Lake Worth Inlet directly east of anchorage area 110.185. The M/V Range Rover will be in a four-point moor centered about 26° 44.3'N 080° 0.9'W. To assist in the moor four orange 58" diameter steel buoys will be deployed. The buoys will have amber lights flashing every 4 seconds. The M/V Range Rover will be on station 24 hours a day from June 1, 2004 to November 12, 2004, with working hours of 7:00 a.m. to 7:00 p.m.

The Range Rover will monitor VHF Channel 13, 14, 16 and SSB 2182 kHz. All mariners are urged to use extreme caution while transiting this area.

Ref: LNM 19 and 20/04

Chart: 11466

GEORGIA-ST SIMONS SOUND-BRUNSWICK RIVER: GPS Data Collection.

The U.S. Army Corps of Engineers, Savannah District, will be performing GPS Data Collection at the following locations: In the vicinity of GA highway 303 bridge in the Turtle River, Brunswick, GA. The projected dates are approximately June 2, 2004 until on or about June 22, 2004.

Brunswick River, GA west of the mouth of Jekyll Creek from approximately June 22, 2004 until on or about July 14, 2004.

Ref: LNM 20/04

Chart: 11506

GEORGIA-INTRACOASTAL WATERWAY-SAVANNAH RIVER-ST SIMON SOUND-ELBA ISLAND CUT: GPS Data Collection.

The U.S. Army Corps of Engineers, Savannah District, has commenced GPS Data Collection outside the navigation channel at the following location: In south channel approximately 600 feet west of the Intracoastal Waterway in the vicinity of Elba Island Cut until approximately June 1, 2004.

Ref: LNM 20/04

Chart: 11507

FLORIDA-INTRACOASTAL WATERWAY-ST LUCIE INLET TO FORT MYERS AND LAKE OKEECHOBEE-ST LUCIE CANAL: Lock Repairs.

Mariners are hereby notified that due to the repair of the right angle drive on the St Lucie Lock, there will be a limit of 20 feet to the beam of boats locking through the lock. This limit will start on June 21 2004, at 6:00 a.m. and end on June 25, 2004 at 4:30 p.m. and effects east and west traffic.

Boaters should use extra caution when locking through the lock during this time frame. General information and questions may be directed to the Corps of Engineers South Florida Operations Office in Clewiston, Florida at (863) 983-8101.

Chart: 11428

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, 16, 17, 18, 19 and 20/04

Chart: 11473

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

Bean Stuyvesant LLC, has advised that on or about 04 June 2004 core boring (drilling) operation will commenced at ten (10) locations in the Miami Harbor. All boring will be in the channels to the south of Lummus Island and Dodge Island. All core borings will be drilled from a jack-up barge (lift boat). The barge will be on-scene for approximately two (2) weeks, working hours are expected to be during daylight hours only.

BORING	LATITUDE	LONGITUDE	LOCATION
Bean-1	25 46'09.9" N	80-10' 07.3" W	Lummis Island Turning Basin
Bean-2	25 46'04.5" N	80-10' 10.0" W	Lummis Island Turning Basin
Bean-3	25 45'55.0" N	80-09' 01.9" W	Lummis Island Turning Basin
Bean-4	25 46'04.9" N	80-09' 56.3" W	Lummis Island Turning Basin
Bean-5	25 45'57.4" N	80-09' 48.2" W	Lummus Island Turning Basin
Bean-6	25 45'56.4" N	80-09' 37.3" W	Lummus Island Turning Basin
Bean-7	25 45'59.7" N	80-09' 43.5" W	Lummus Island Turning Basin
Bean-8	25 46'01.8" N	80-10' 12.7" W	Fishermans Channel
Bean-9	25 45'53.2" N	80-09' 09.9" W	Fishermans Channel
Bean-10	25 45'52.3" N	80-08' 15.6" W	Fishermans Channel

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

Chart: 11468

FLORIDA – KEY WEST HARBOR AND APPROCHES: Dredging Operations.

The Coast Guard has been advised that Bean Stuyvesant LLC, dredging contractor will commence phase two of dredging operations in Key West Harbor, Cut A, Cut B, and the Key West Harbor Range (Cut C and Truman Harbor), Key West, Florida, on or about May 1, 2004. The project will continue for approximately two (2) years.

During dredging operations the dredge MARICAVOR will sail approximately 2-3 knots. Dredging in the channel will take about 30 minutes, once loaded dredge will sail to designated offshore disposal site (DMMA) approximately 15 miles south of Key West. Round trip will take two hours and fifteen minutes.

This operation will be seven (7) days per week and twenty-four (24) hours per day. The dredge MARICAVOR will monitor VHF channel 16 with working channel bridge to bridge being 14, dredge will move on demand with thirty (30) minutes notification.

If you have any questions regarding this notification, please do not hesitate to contact Mr. Marcel Van Hoogstraten, Project Manager @ (305) 295-7966.

All mariners are advised to proceed with extreme caution while transiting the area.

Ref: LNM 16, 17, 18, 19 and 20/06

Chart: 11441

VI. LIGHT LIST CORRECTIONS

(1) Red.No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
2420	- Channel Lighted Buoy 18		Q R		4	Red.	
	*						(21/04)
4700	- Buoy 6		*	*	*	Red nun. *	
							(21/04)
22083	- Daybeacon 3					NW on pile worded DANGER.	Private aid. *
							(21/04)

IX. ADDITIONAL ENCLOSURES

- Enclosure:
- (1) Report of Channel Conditions: Brunswick Harbor, GA.
 - (2) U.S. Coast Pilot 4, Atlantic Coast: Cape Henry, VA to Key West, FL, 2003 (35th) Edition. Change No. 29.
 - (3) Tabulations of Controlling Depths: Charleston Harbor Entrance, SC. Chart: 11521, 11523.
 - (4) Tabulations of Controlling Depths: Charleston Harbor, Cooper River and Shipyard River, SC. Chart; 11524.
 - (5) Tabulations of Controlling Depths: Cooper River. Chart: 11527.

H.E. Johnson, Jr.
Rear Admiral, U.S. Coast Guard
Commander, Seventh Coast Guard District

REPORT OF CHANNEL CONDITIONS 400' WIDE AND GREATER						Page 1 of 2 Pages		
TO: Navigation Interest						FROM: U.S. Army Engineer District, Savannah ATTN: SASOP-N P. O. Box 889 Savannah, GA 31402		
HARBOR/STATE BRUNSWICK HARBOR, GEORGIA Brunswick Harbor Ship Channel from the Sea to the Upper Limits of the Harbor at Mile 12.76 in the Turtle River and East River, Academy Creek and Terry Creek.						SHALLOWEST SINGLE SOUNDINGS WITHIN EACH 1/4 WIDTH OF CHANNEL ENTERING FROM SEAWARD		
NAME OF CHANNEL	DATE SURVEY	WIDTH (ft)	PROJECT LENGTH (mi)	DEPTH (ft)	(A)	MID-CHANNEL		(A)
					LEFT OUTSIDE QUARTER (ft)	LEFT INSIDE QUARTER (ft)	RIGHT INSIDE QUARTER (ft)	RIGHT OUTSIDE QUARTER (ft)
Entrance thru Turtle River	27 Apr-04							
St. Simon Range	"	500	7.70	32	*	*	*	*
Plantation Creek Range	"	400	1.83	32	38.5	42.5	41.0	39.5
Jekyll Island Range	"	400	1.93	30	30.0	34.0	32.0	31.0
Cedar Hammock Range	"	400	1.40	30	30.5	31.5	31.0	28.0
Brunswick Point Cut Range	"	400	2.44	30	28.0	28.0	29.0	29.0
Turtle River Lower Range	"	300	1.76	30	34.0	32.5	30.0	30.0
Blythe Island Range	"	300	1.51	30	30.0	29.5	26.5	26.0
Turtle River Upper Range	"	300	2.71	30	28.0	29.0	28.0	26.0
East River								
Entrance to Second Avenue *	"	400	1.18	30	28.0	31.0	31.0	27.0
Second Ave to Mayor's Point *	"	350	1.00	27	27.0	28.0	27.5	25.0
South Brunswick River	"	400	1.33	30	30.0	30.0	30.5	32.0
NAME OF CHANNEL	DATE SURVEY	WIDTH (ft)	PROJECT LENGTH (mi)	DEPTH (ft)	MINIMUM DEPTH			
					FRONT SIDE (ft)		100' FROM BACKSIDE (ft)	
East River Turning Basin *	"	750	1000	30	27.0	#10	27.0	#09
South Brunswick River GPA Dock		125	1200	30	ALONG FACE OF DOCK			***

REMARKS (Continue on reverse)

All depths refer to mean low water.
 This information represents the results of surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time. The depths shown have been rounded off to the nearest half-foot. Any questions concerning conditions shown on this report should be referred to the Operations Division:
 Telephone (912) 652-6058.
 (A) depths given below represent condition 50 ft. inside toe of channel.
 * Area Being Dredged
 ** Area To Be Dredged
 *** Area Not Surveyed
 **** Area not surveyed due to weather

ENG FORM 4020-R, NOV 90

BEND WIDENER	STATION	DATE SURVEY	CHANNEL SIDE	MINIMUM DEPTH			
				50' FROM TOE LINE	#12	#13	150' FROM TOE LINE
East River Widener	0+000 to 3+000	27 Apr-04	LEFT	29.0	#12	#13	31.0
Widener @ Intersection of Jekyll Creek & Cedar Hammock	14+000 to 15+000	"	RIGHT	35.0	#03		N/A
Widener @ Intersection of Cedar Hammock & Bruns Pt Cut	21+250 to 22+250	"	RIGHT	28.0	#04		N/A
Widener @ Intersection of Plantation & Jekyll Creek	2+250 to 6+500	"	LEFT	100' OFF 43.0	#1	#2	400' OFF 52.0
South Brunswick River Turning Basin	45+000 to 46+000	"	LEFT	31.0	#06	#05	30.5
		"	RIGHT	31.0	#07	#08	31.5
ST SIMONS RANGE Widener	-15+000 to -16+000		RIGHT	*	#14		
ST SIMONS RANGE Widener	-21+000 to -28+000		RIGHT	*	#15		

ENG FORM 4020-R, NOV 90

Publication-National Ocean Service-U.S. Coast Pilot 4, Atlantic Coast: Cape Henry to Key West, 2003 (35th) Edition. Change No. 29.

Coast Pilot 4 35th Ed 2003 Corrections

Page 353-Paragraph 115, line 18; read:
 Buoy T, 31°57'53"N., 80°43'10"W. It is recommended that all deep draft vessels make preparations to be boarded by the Savannah Pilots in a rectangular area enclosed by the following points:
 31°57'49"N., 80°40'30"W.;
 31°56'54"N., 80°38'24"W.;
 31°55'08"N., 80°39'32"W.;
 31°56'05"N., 80°41'36"W. Ships are ...
 (13/04 CG7; LL/04; CL 428/04)

Page 480-Paragraph 423, lines 2-4; read:
West Palm Beach Drainage Canal joins the lake here; in 2003, its was reported there was no boat access to the canal. At the lock in the canal, an overhead power cable has a clearance of 68 feet.
 (DB 4441; NOS 11428; CL 1285/96)

Page 480-Paragraph 424, lines 3-5; read:
 reported alongside depth of 8.5 feet in November 2003. Berths with electricity, gasoline, diesel fuel, pump-out station, water, ice, a launching ramp and some marine supplies are available; engine repairs can be made.
 (DB 4441)

Page 490-Paragraph 585, line 10; read:
 along the shore of Dodge Island. The ...
 (DB 4520)

Page 491-Paragraph 592, lines 6-13; read:
 controlling depth from Bear Cut to the basin was 6 feet in February 2003; thence in February 2004, 5 feet was reported in the basin. The basin is used by party fishing boats. Gasoline, diesel fuel, water, ice electricity, limited berthage, a pump-out station, a launch ramp, and some marine supplies are available. The highway bridge over Bear Cut has a 48-foot ...
 (DB 4538)

Page 491-Paragraph 593, lines 5-7; read:
 controlling depth of 4½ feet in 1983.
 (DB 4981)

CHART 11521

CHARLESTON HARBOR ENTRANCE								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT	LEFT	RIGHT	RIGHT	DATE OF SURVEY	WIDTH	LENGTH	DEPTH
	OUTSIDE	INSIDE	INSIDE	OUTSIDE		(FEET)	(NAUT. MILES)	MLLW (FEET)
FORT SUMNER RANGE	47.6	48.1	48.0	48.5	8-04	A1000	14.8	A47
MOUNT PLEASANT RANGE	48.7	47.6	45.8	47.8	8-03	A1000-600	1.8	A45

A. FOR LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS OF WIDTH OF 1000 FEET, DEPTHS REPRESENT CONDITIONS 100 FEET INSIDE CHANNEL LIMITS. THE PROJECT DEPTH IS 42 FEET FOR OUTER 100 FEET.
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHART 11523

CHARLESTON HARBOR ENTRANCE							
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO APR 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 (FEET)
FORT SUMNER RANGE	47.8	48.1	48.0	48.5	3-4-04	A1000	14.8 A47
MOUNT PLEASANT RANGE	46.7	47.5	48.8	47.8	8-03	A1000-800	1.6 A45
REBELLION REACH	47.4	48.8	47.8	48.1	8-03	600	1.4 45

A. FOR LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS OF WIDTH OF 1000 FEET, DEPTHS REPRESENT CONDITIONS 100 FEET INSIDE CHANNEL LIMITS. THE PROJECT DEPTH IS 42 FEET FOR OUTER 100 FEET.
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 APR 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 (FEET)
FORT SUMNER RANGE	47.6	48.1	48.0	48.5	3-4-04	A1000	14.8 A47
MOUNT PLEASANT RANGE	46.7	47.5	48.8	47.8	8-03	A1000-600	1.6 A45
REBELLION REACH	47.4	48.8	47.8	48.1	8-03	600	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	48.5	48.1	49.0	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	24.3	10-98	600-1000	3.1 45
HOG ISLAND REACH	46.5	46.9	45.2	42.8	9-03	600-1300	1.5 45
DRUM ISLAND REACH	41.0	44.8	47.3	40.1	4,5-02/3-04	600-1300	0.7 45
TOWN CREEK LOWER REACH	39.5	39.0	39.0	39.2	9-03	400-450	1.1 45
TURNING BASIN	38.5	34.3	34.2	33.4	5-02	250	0.25 35
TOWN CREEK UPPER REACH	35.2	40.2	C40.0	40.5	11-01/5-02	250	1.0 18
MYERS BEND	42.0	46.8	47.9	47.3	11-01/3-04	600-900	0.4 45
DANIEL ISLAND REACH	45.8	47.4	46.7	40.9	3-04	880-980	1.2 45
DANIEL ISLAND BEND	48.6	48.9	49.2	48.5	3-04	700-750	0.4 45
CLOUTER CREEK REACH	D46.8	47.1	45.8	45.8	3-04	600	0.9 45
NAVY YARD REACH	44.3	45.8	47.4	48.8	3-04	600-700	1.1 45
NORTH CHARLESTON REACH	46.8	47.0	47.8	47.4	3-04	500-600	1.0 45
FLUBIN CREEK REACH	46.0	47.4	48.4	46.8	3-04	500	0.6 45
PORT TERMINAL REACH	41.6	44.7	47.8	46.5	3-04	600	0.7 45
ORDNANCE REACH	40.8	44.1	48.4	47.9	3-04	600	0.3 45
ORDNANCE REACH TURNING BASIN	47.7	47.6	47.0	47.2	3-04	800	0.28 45
WANDO RIVER							
LOWER REACH	44.0	47.1	47.2	39.2	4,5-02/3-04	1600-400	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	49.8	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	21.8	3-04	600	0.15 30
COOPER RIVER							
RANGE A	38.2	37.4	38.3	38.9	7,8-98;7-03;10-03	400-1350	1.02 35
RANGE B	18.6	23.1	39.1	37.3	12-89;10-03	VARIES	0.74 35
RANGE C	20.6	E24.8	39.0	39.2	7,8-98;12-89;10,11,12-03	VARIES	0.76 35
RANGE D	38.9	38.4	38.2	38.0	2-00;11,12-03	VARIES	0.69 35
RANGE E	32.1	34.8	38.2	38.3	1-85	VARIES	0.39 35
RANGE F	25.0	36.6	35.2	33.9	1-85	VARIES	0.29 35

A. FOR LEFT OUTSIDE AND RIGHT OUTSIDE QUARTERS OF WIDTH OF 1000 FEET, DEPTHS REPRESENT CONDITIONS 100 FEET INSIDE CHANNEL LIMITS. 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 34 FEET, AT 32°51'22.8"N; 79°57'18.1"W.
E. OBSTRUCTION LOCATED WITH A DEPTH OF 37 FEET, AT 32°55'15.8"N; 79°55'54.8"W.
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 DEC 2003							
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 (FEET)
COOPER RIVER							
RANGE A	38.2	37.4	38.3	38.9	7,8-98;7-03;10-03	400-1350	1.02 35
RANGE B	18.6	23.1	39.1	37.3	12-89;10-03	VARIES	0.74 35
RANGE C	20.6	A24.8	39.0	39.2	7,8-98;12-89;10,11,12-03	VARIES	0.76 35
RANGE D	38.9	38.4	38.2	38.0	2-00;11,12-03	VARIES	0.69 35
RANGE E	32.1	34.8	38.2	38.3	1-85	VARIES	0.39 35
RANGE F	25.0	36.6	35.2	33.9	1-85	VARIES	0.29 35

A. OBSTRUCTION LOCATED WITH A DEPTH OF 37 FEET, AT 32°55'15.8"N; 79°55'54.8"W.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION