U.S. Department
of Homeland Security

United States
Coast Guard

LOCAL NOTICE TO MARINERS

District: 7 Week: 40/16

LITTLE RIVER, SOUTH CAROLINA TO ECONFINA RIVER, FLORIDA (INCLUDES PUERTO RICO AND THE U.S. VIRGIN ISLANDS)

Commander, Seventh Coast Guard District (dpw)
Brickell Plaza Federal Building0
909 SE 1st Avenue, Room 406
Miami, Florida 33131-3028
Telephone (305) 415-6750
Fax (305) 415-6757

Proposed Changes Comments: D07-SMB-DPWPublicComments@uscg.mil

Report any Aids to Navigation discrepancies, shoaling, hazard to navigation and bridge discrepancies including lighting to the nearest Coast Guard unit. After business hours, emergencies or holidays contact one of the 24 hour Command Centers listed below:

DISTRICT 7 (305) 415-6800
SECTOR CHARLESTON (843) 740-7050
SECTOR JACKSONVILLE (904) 741-7557
SECTOR MIAMI (305) 535-4472
SECTOR KEY WEST (305) 292-8727
SECTOR ST PETERSBURG (727) 824-7506
SECTOR SAN JUAN (787) 729-2041

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 364-16 to 377-16
- SECTOR CHARLESTON (CHA) BNM 268-16 to 278-16
- SECTOR JACKSONVILLE (JAX) BNM 210-16 to 212-16
- SECTOR MIAMI (MIA) BNM 197-16 to 203-16
- SECTOR KEY WEST (KWT) BNM 062-16 to 064-16
- SECTOR ST PETERSBURG (STP) BNM 1076-16 to 1095-16
- SECTOR SAN JUAN (SJN) BNM 172-16 to 180-16

NOTES:
(1) Unless otherwise indicated, missing and destroyed structures are presumed to be in the immediate vicinity of assigned position, mariners should proceed with caution
(2) The Local Notice to Mariners is updated each Tuesday on the U.S. Coast Guard Navigation Center website at http://www.navcen.uscg.gov/?pageName=lnmDistrict&region=7
(3) Inquiries or information regarding the Local Notice to Mariner: Lee.Dragon@uscg.mil
(4) The U.S. Coast Pilot supplements navigational information shown on charts
(5) The U.S. Coast Pilot corrections http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm
(6) Bridge Public Notice http://www.navcen.uscg.gov/?pageName=pnBridges

Online 2016 Light List http://www.navcen.uscg.gov/index.php?pageName=lightLists
Full updates to electronic editions of these volumes http://www.navcen.uscg.gov/?pageName=lightListWeeklyUpdates
Guidance for use of electronic navigation publications onboard U.S. vessels can be found at:
http://www.uscg.mil/hq/cgcvc/cvc/policy/policy_letters/543/CG-543_pol10-05.pdf

NTM Special Notice Section: http://msi.nga.mil/MSISiteContent/StaticFiles/NAV_PUBS/UNTM/201601/Special_Notice.pdf

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 and DGPS. 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 http://cgls.uscg.mil/mailman/listinfo/nanu in addition; the NIS investigates all reports of degradation or loss of GPS, DGPS or AIS service. Users are encouraged to report all degradation or loss of radio navigation services to the NIS via any of the following: (703) 313-5900, email: tis-sg-nisws@uscg.mil or http://www.navcen.uscg.gov

ABBREVIATIONS

A through H

ADRIFT - Buoy Adrift
AICW - Atlantic Intracoastal Waterway
Al - Alternating
B - Buoy
BKW - Breakwater
bl - Blast
BNM - Broadcast Notice to Mariner
bu - Blue
C - Canadian
CHAN - Channel
CGD - Coast Guard District
C/O - Cut Off
CONT - Contour
CRK - Creek
CONST - Construction
DAYMK/Daymk - Daymark
DBN/Dbn - Daybeacon
DBD/DAYBD - Dayboard
DEFAC - Defaced
DEST - Destroyed
DISCON - Discontinued
DMGD/DAMGD - Damaged
ec - eclipse
EST - Established Aid
ev - every
EVAL - Evaluation
EXT - Extinguished
F - Fixed
fl - flash
Fl - Flashing
G - Green
GIWW - Gulf Intracoastal Waterway
HAZ - Hazard to Navigation
HBR - Harbor
HOR - Horizontal Clearance
HT - Height

I through O

I - Interrupted
ICW - Intracoastal Waterway
IMCH - Improper Characteristic
INL - Inlet
INOP - Not Operating
INT - Intensity
ISL - Islet
Iso - Isophase
kHz - Kilohertz
LAT - Latitude
LB - Lighted Buoy
LBB - Lighted Bell Buoy
LHB - Lighted Horn Buoy
LGB - Lighted Gong Buoy
LONG - Longitude
LNM - Local Notice to Mariners
LT - Light
LT CONT - Light Continuous
LTR - Letter
LWB - Lighted Whistle Buoy
LWP - Left Watching Properly
MHz - Megahertz
MISS/MSNG - Missing
Mo - Morse Code
MRASS - Marine Radio Activated Sound Signal
MSLD - Misleading
N/C - Not Charted
NGA - National Geospatial-Intelligence Agency
NO/NUM - Number
NOS - National Ocean Service
NW - Notice Writer
OBSCU - Obscured
OBST - Obstruction
OBSTR - Obstruction
Oc - Occulting
ODAS - Anchored Oceanographic Data Buoy

P through Z

PRIV - Private Aid
Q - Quick
R - Red
RACON - Radar Transponder Beacon
Ra ref - Radar reflector
RBN - Radio Beacon
REBUILT - Aid Rebuilt
RECOVERED - Aid Recovered
RED - Red Buoy
REFL - Reflective
RRL - Range Rear Light
RELIGHTED - Aid Relit
RELOC - Relocated
RESET ON STATION - Aid Reset on Station
RFL - Range Front Light
RIV - River
RRASS - Remote Radio Activated Sound Signal
s - seconds
SEC - Section
SHL - Shoaling
si - silent
SIG - Signal
SND - Sound
SPM - Single Point Mooring Buoy
SS - Sound Signal
STA - Station
STRUCT - Structure
St M - Statute Mile
TEMP - Temporary Aid Change
TMK - Topmark
TRLB - Temporarily Replaced by Lighted Buoy
TRLT - Temporarily Replaced by Light
TRUB - Temporarily Replaced by Unlighted Buoy
USACE - Army Corps of Engineers
W - White
Y - Yellow

Additional Abbreviations Specific to this LNM Edition: None

SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

HURRICANE INFORMATION:

The hurricane season extends from June 1st through November 30th. 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.

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 Public Advisory (TCP) 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.

Four alerts are issued:
(a) TROPICAL STORM WATCH – An announcement that sustained winds of 34 to 63 knots (39 to 73 mph or 63 to 118 km/hr) are possible within the specified area within 48 hours in association with a tropical, subtropical, or post-tropical cyclone.

(b) TROPICAL STORM WARNING – An announcement that sustained winds of 34 to 63 knots (39 to 73 mph or 63 to 118 km/hr) are expected somewhere within the specified area within 36 hours in association with a tropical, subtropical, or post-tropical cyclone.

(c) HURRICANE WATCH – An announcement that sustained winds of 64 knots (74 mph or 119 km/hr) or higher are possible within the specified area in association with a tropical, subtropical, or post-tropical cyclone. Because hurricane preparedness activities become difficult once winds reach tropical storm force, the hurricane watch is issued 48 hours in advance of the anticipated onset of tropical storm force winds.

(d) HURRICANE WARNING – An announcement that sustained winds of 64 knots (74 mph or 119 km/hr) or higher are expected somewhere within the specified area in association with a tropical, subtropical, or post-tropical cyclone. Because hurricane preparedness activities become difficult once winds reach tropical storm force, the warning is issued 36 hours in advance of the anticipated onset of tropical-storm-force winds. The warning can remain in effect when dangerously high water or a combination of dangerously high water and waves continue, even though winds may be less than hurricane force.

Additional information of interest to mariners is included in the Tropical Cyclone Forecast/Advisory (TCM) and the Tropical Cyclone Surface Wind Speed Probabilities (PWS) products. The TCM provides current and forecast storm positions, intensities, and wind fields out to 120 hours. The PWS provides probabilities of sustained wind speeds equal to or exceeding 34-, 50-, and 64-kt wind speed thresholds for select coastal and offshore locations

LNM: 20/16

HURRICANE INFORMATION CONTINUED:

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 hurricanes 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. Port Hurricane Conditions are set up by the COTP and will change as the threat of severe weather increases, or as a storm approaches a specific COTP Area of Responsibility. For COTP-specific Port Hurricane Conditions, you should review information provided under the Port Directory tab of http://homeport.uscg.mil
Condition 4 – Hurricane Seasonal Alert. 01 June–30 November; port status: open.

Condition Whiskey – Sustained Gale Force winds associated with Tropical Cyclone activity are predicted within 72 hours; port status: open.
Condition X-Ray – Sustained Gale Force winds associated with Tropical Cyclone activity are predicted within 48 hours; port status: open.
Condition Yankee – Sustained Gale Force winds associated with Tropical Cyclone activity are predicted within 24 hours; port status: restricted; vessel/facility control measures in effect.
Condition Zulu – Sustained Gale Force winds associated with Tropical Cyclone activity are predicted within 12 hours; port status: closed to all vessel traffic and waterside activities except for activities approved by the COTP.

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. Extended closure periods may be authorized up to 8 hours prior to arrival of Gale Force winds to facilitate evacuation of land traffic. 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.

LNM: 20/16

USCG NATION-WIDE AUTOMATIC IDENTIFICATION SYSTEM (NAIS) NETWORK TESTING

On August 10, 2015, the U.S. Coast Guard will begin AIS Application Specific Message (AIS-ASM) testing. The test transmissions will occur between 0001-2359Z, 7 days/week. The test messages can be identified by their Maritime Mobile Service (MMSI) number: 300669139 or 00366613 and by the words “USCG TEST” within the contents of the message. Mariners are requested to contact the USCG Navigation Center at 1-703-313-5900 or TIS-PF-NISWS@uscg.mil with any questions, comments, or to report any safety and/or operational impacts caused by this testing.

Application Specific Messages to be tested include: messages 6, 8, 25, and 26, DAC=367, FI’s=22, 29, 33, 35; AIS Safety Related Text (SRM) messages: 8 (DAC=001, FI=0) and 14. The messages will be of various lengths, using repetitions of the text “USCG TEST”. For further information on AIS messages, DACs, and FI’s visit http://www.navcen.uscg.gov/?pageName=AISMessages.

LNM: 31/15

NOAA NWS IMPORTANT CHANGE TO THE NWS FTPMAIL SYSTEM

The Marine, Tropical and Tsunami Services Branch of the NWS will have a new FTPMAIL Service Email Address.

The New FTPMail Service Email Address is

NWS.FTPMail.OPS@noaa.gov and it is currently active. Both email addresses will work to request and receive products via FTPMail until October 6 when ftpmail@ftpmail.nws.noaa.gov is planned for decommissioning. NWS recommends users begin transitioning to the new email address by October 6, 2016 to ensure continuing responses to FTPMail requests.

The Service Change Notice linked below highlights a change to the email address used to request and receive NWS Products via email.

https://urldefense.proofpoint.com/v2/url?u=http 3A__www.nws.noaa.gov_os_notification_scn16
2D37ftpmail.htm&d=CwIBAg&c=0NKfg44GVknAU
XkWXjNxQ&r=AXJUmWWgQgZRWaORmshlkqvCQortm5MvFUMhSbV3gjw&m=iGfeOM3wHUykOuVt
_papPJSDTYM1QARp5y3OVA8wJo&s=l65MjiXftTthDrkKX6OM9kx0vtMNOGmk12Zn8YTdm9o&e=

LNM: 37/16

ZIKA VIRUS UPDATE

The U.S. Department of Transportation's Maritime Administration (MARAD) has issued MARAD Advisory 2016-03 on the Zika Virus and Impacts on Maritime Commerce. The Advisory can be found at https://www.marad.dot.gov/newsroom/advisory/2016/marad-advisory-2016-03/. U.S. flag operators are requested to forward this link to their ships by the most expeditious means.

LNM: 38/16

KENSINGTON, SC DGPS SITE UNUSABLE TIME APPROVAL

UNUSABLE TIME APPROVAL FOR PREVENTIVE MAINTENANCE

UNUSABLE TIME AUTHORIZED FOR THE FOLLOWING DATE/TIME:
PRIMARY: 28 SEPT 2016 1300Z - 1700Z 0900 - 1300 EST
ALTERNATE: 05 OCT 2016 1300Z - 1700Z 0900 - 1300 EST

LNM: 39/16

ATLANTIC OCEAN - SOUTH CAROLINA: GPS TESTING

THE GPS NAVIGATION SIGNAL MAY BE UNRELIABLE DUE TO TESTING ON GPS FREQUENCIES USED BY SHIPBOARD NAVIGATION AND HANDHELD SYSTEMS. SYSTEMS THAT RELY ON GPS, SUCH AS E-911, AIS AND DSC, MAY BE AFFECTED AT AN APPROXIMATE TESTING CENTER POINT OF:

Geographic Location: Offshore Charleston, SC
Testing date/times:
03 OCT 16: 1100Z-2000Z
11 OCT 16: 1200Z-1700Z
Frequencies: GPS L1/L2
Center Point: 32.1667N 79.6667W

MORE INFORMATION IS AVAILABLE AT THE COAST GUARD NAVIGATION CENTER WEB SITE WWW.NAVCEN.USCG.GOV. DURING THIS PERIOD GPS USERS ARE ENCOURAGED TO REPORT ANY GPS SERVICE OUTAGES THAT THEY MAY EXPERIENCE TO THE NAVIGATION INFORMATION SERVICE (NIS) BY CALLING (703) 313-5900 OR BY USING THE NAVCEN WEB SITE TO SUBMIT A GPS PROBLEM REPORT.

LNM: 40/16

ATLANTIC OCEAN - GEORGIA - FLORIDA - JACKSONVILLE: U.S. NAVY EXERCISES HAZARDOUS TO SURFACE VESSELS

The following areas will contain exercises hazardous to surface vessels in the Jax/Chasnoa during 26 SEP - 02 OCT, 2016. Mariners are advised to avoid these areas:

DATE: 26 SEP - 02 OCT TIME: 0000-2359 (LCL)
AREA BOUNDED BY AREA
30-45N2 80-56W9 GUNEX AREA
30-45N2 80-30W1 W-137L
30-34N0 80-30W1
30-34N0 80-57W0
30-36N2 80-57W0
30-45N2 80-30W0 W-138L
30-45N2 79-38W7
30-34N0 79-41W1

30-34N0 80-30W1

DATE: 26 SEP - 02 OCT TIME: 0000-2359 (LCL)
AREA BOUNDED BY AREA
29-20N3 79-50W1 31J
29-20N3 79-40W0
29-10N2 79-40W0
29-10N2 79-50W1

DATE: 26 SEP - 02 OCT TIME: 0000-2359 (LCL)
AREA BOUNDED BY AREA
30-00N3 81-00W9 27C
30-00N3 80-50W3
29-50N6 80-50W3
29-50N6 81-00W9

DATE: 27- 28 SEP TIME: 1230-2000 (LCL)
AREA BOUNDED BY AREA
30-50N8 80-56W9 MSLX
30-50N8 80-30W1 W-137L
30-30N6 80-30W1
30-30N6 80-57W0
30-40N7 80-57W0

LNM: 39/16

SEACOAST - FLORIDA - JACKSONVILLE: U.S. NAVY BRIGHT HORIZON 16 EXERCISE

The Navy will be offloading the USNS BOBO from October 19 - 27, 2016 in the vicinity of 30.41N/81.37W anchorage areas in Jacksonville, Florida. There will be increased Navy craft operating in the Mayport operations area to include the Saint Johns River to Blount Island during this time from 0600 till 2400 daily. Mariners are advised to avoid close proximity, or any other interference of these operations.

Chart 11491 LNM: 39/16

ATLANTIC OCEAN - GEORGIA - FLORIDA - JACKSONVILLE: U.S. NAVY EXERCISES HAZARDOUS TO SURFACE VESSELS

The following areas will contain exercises hazardous to surface vessels in the Jax/Chasnoa during 03-09 OCT, 2016. Mariners are advised to avoid these areas:

DATE: 03-09 OCT TIME: 0000-2359 (LCL)
AREA BOUNDED BY AREA
30-45N2 80-56W9 GUNEX AREA
30-45N2 80-30W1 W-137L
30-34N0 80-30W1
30-34N0 80-57W0
30-36N2 80-57W0
30-45N2 80-30W0 W-138L
30-45N2 79-38W7
30-34N0 79-41W1
30-34N0 80-30W1

DATE: 03-09 OCT TIME: 0000-2359 (LCL)
AREA BOUNDED BY AREA
29-20N3 79-50W1 31J
29-20N3 79-40W0
29-10N2 79-40W0
29-10N2 79-50W1

DATE: 03-09 OCT TIME: 0000-2359 (LCL)
AREA BOUNDED BY AREA
30-00N3 81-00W9 27C
30-00N3 80-50W3
29-50N6 80-50W3
29-50N6 81-00W9

LNM: 40/16

ATLANTIC OCEAN - FLORIDA - PALM SHORES TO WEST PALM BEACH - LAKE WORTH INLET: U.S. NAVY OFFSHORE TESTING AND DIVE OPERATIONS (UPDATE: April 6, 2016)

Lockheed Martin - Palm Beach in conjunction with General Dynamics Electric Boat Corporation, MOBRO Marine Tug Boat: LOU ANNA GUIDRY, along with a 150' MOBRO: 1700 Barge USCG Document #1136162 and Crane American 9353, will conduct off shore testing from 05 JANUARY, 2016 - 31 DECEMBER, 2016 with (1) Manned and piloted submersible vehicle. Testing will occur 24 hours daily 1-5 miles off shore from Lake Worth Inlet to the Breakers. A Lockheed Martin RHIB Boat and Tug Boat LOU ANNA will be supporting the Manned and piloted submersible Vehicle, with support from Sea Tow Palm Beach, and or Tow Boat U.S. who will supply (1) additional RHIB Boat to support with the manned Submersible vehicle, all support boats can be reached on VHF-Channel 16.

FLORIDA-AICW-PALM SHORES TO WEST PALM BEACH- LAKE WORTH INLET: Ref: LNM 15/16
The second operation will run up the Intracoastal Waterway from Peanut Island north under Blue Heron Bridge to Lake Worth North Daybeacon 29 (LLNR 46495) LAT/LONG, 26-49-22.607N/080-03-09.405W. Dive operations with the Submarine at the North Turning Basin Op area. Depth of area is 20 – 30 feet.

NW - N 26 47.787	W 80 02.742
SW – N 26 47.798	W 80 02.721
SE - N 26 47.722	W 80 02.715
NE - N 2647.726	W 80 02.744

MANDATORY DIVE OPERATIONS WILL TAKE PLACE AROUND THE SUBMERISBLE VEHCILE. MARINERS ARE ADVISED TO STAY CLEAR OF THE RHIB BOATS, SUBMERSIBLE VEHICLE, DIVE FLAGS AND FLOAT BALLS BY 200 YARDS.

Chart 11472

LNM: 01/16

ATLANTIC OCEAN – FLORIDA – LAKE WORTH INLET TO BOYTON BEACH: U.S. NAVY OFFSHORE TESTING AND DIVE OPERATIONS

Lockheed Martin - Palm Beach in conjunction with the United States Navy will be conducting offshore testing of two unmanned, remotely piloted, Semi-submersible vehicles. The testing will range from 1-5 miles off shore from Lake Worth Inlet to Boynton Beach Inlet. Operations will take place beginning 05 JANUARY, 2016 and ending 31 DECEMBER, 2016. Hours of operations will mostly be during daylight hours but at various times throughout the year they will be operating during the evening hours. The Lockheed Martin RHIB Boats, Tow Boat U.S., and Sea Tow Palm Beach RHIB Boats will support the semisubmersibles. In all operations, both RHIB boats will be in constant radio contact with the Operations crew, and will be equipped with a remote kill switch. The RHIB Boats will be monitoring VHF-FM Channel 16.

MARINERS ARE ADVISED TO STAY CLEAR OF THE RHIB BOATS, THE SEMI-SUBMERSIBLE VEHICLE AND DIVE OPERATIONS/DIVE FLAGS AND FLOAT BALLS BY 200 YARDS.

LNM: 01/16

CARD SOUND, FL DGPS SITE UNUSABLE TIME APPROVAL

UNUSABLE TIME IS APPROVED FOR CARD SOUND, FL DGPS SITE FOR TOWER MAINTENANCE.

UNUSABLE TIME AUTHORIZED FOR THE FOLLOWING DATE/TIME:
PRIMARY: 28 OCT 2016 1200Z - 2200Z (0800 - 1800 EDT)
ALTERNATE: 29 OCT 2016 1200Z - 2200Z (0800 - 1800 EDT)

LNM: 37/16

TAMPA, FL DGPS SITE UNUSABLE TIME APPROVAL

UNUSABLE TIME IS APPROVED FOR TAMPA, FL DGPS SITE FOR TOWER MAINTENANCE.

UNUSABLE TIME AUTHORIZED FOR THE FOLLOWING DATE/TIME:
PRIMARY: 26 OCT 2016 1200Z - 2200Z (0800 - 1800 EDT)
ALTERNATE: 27 OCT 2016 1200Z - 2200Z (0800 - 1800 EDT)

LNM: 37/16

WEST INDIES - PUERTO-RICO - VIEQUES: NORTHEAST FROM PLAYA ICACOS TO PUNTA ESTE, AND ON THE SOUTHEAST ON BAHIA DE SALINAS SUR.

THE U. S. NAVY IS ADVISING ALL MARINERS TO REFRAIN FROM ENTERING THE FOLLOWING AREAS IN VIEQUES, PUERTO RICO: NORTHEAST FROM PLAYA ICACOS TO PUNTA ESTE, AND ON THE SOUTHEAST ON BAHIA DE SALINAS SUR. STAY AWAY FROM THIS DANGER ZONE AS IT CONTAINS UNEXPLODED ORDNANCE. FOR MORE INFORMATION, CONTACT MRS. MADELINE RIVERA AT (757) 286-6457 OR EMAIL:

SECTION II - DISCREPANCIES

This section lists all reported and corrected discrepancies related to Aids to Navigation in this edition. A discrepancy is a change in the status of an aid to navigation that differs from what is published or charted.

DISCREPANCIES (FEDERAL AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
200	**Charleston Entrance Lighted Buoy C**	**LT EXT**	**11528**	**276-16 CHA**	**40/16**	
805	**Port Everglades Spoil Bank East Daybeacon**	**HAZ NAV/DAYMK MISSING**	**11470**	**201-16 MIA**	**40/16**	
935	Pacific Reef Light	LT EXT	11451	074-13 MIA	09/13	
950	Elbow Reef Light 6	REDUCED INT/DAYMK MISSING/STRUCT DMGD/TRLT	11463	025-16 MIA	04/16	
960	Molasses Reef Light 10	REDUCED INT	11464	134-14 KWT	50/14	
995	Coffins Patch Light 20	LT EXT	11449	017-15 KWT	05/15	
1010	Looe Key Light 24	REDUCED INT	11445	062-15 KW	29/15	
1020	Pelican Shoal Light 26	STRUCT DEST/HAZ NAV/TRLB	11446	052-16 KWT	33/16	
1085	Halfmoon Shoal Light WR2	LT EXT/DAYMK MISSING/STRUCT DMGD	11439	032-16 KWT	20/16	
1370	**Egmont Key Light**	**LT IMCH**	**11415**		**40/16**	
1425	Johns Pass Light JP	DAYMK MISSING/STRUCT DMGD	11415	974-16 STP	38/16	
1535	Anclote Anchorage South Entrance Light 1	STRUCT DEST/HAZ NAV/TRLB	11411	992-16 STP	36/16	
1560	Anclote Anchorage North Entrance Light 2	STRUCT DEST/HAZ NAV/TRLB	11411	1022-16 STP	37/16	
1645	Horseshoe Beach Approach Light 2	STRUCT DEST	11407	993-16 STP	36/16	
1675	Keaton Beach Light 1	TRLB	11407	1001-16 STP	36/16	
1730	Little River Inlet Daybeacon 12	TRUB	11534	185-16 CHA	28/16	
1840	Murrells Inlet Daybeacon 23	TRUB	11534	157-16 CHA	26/16	
1910	Winyah Bay Range B Front Light	STRUCT DEST	11532	197-16 CHA	30/16	
2345	Town Creek Light 20	TRLB	11518	252-16 CHA	36/16	
2370	**Charleston Entrance Lighted Buoy C**	**LT EXT**	**11528**	**276-16 CHA**	**40/16**	
3660	Ashley River Daybeacon 21	TRUB	11524	179-16 CHA	27/16	
4810	Long Island Crossing Range Lighted Buoy 30	TRLB	11507	238-16 CHA	37/16	
4835	Lower Flats Range Rear Light	LT EXT/STRUCT DMGD	11507	110-16 CHA	20/16	
4850	Elba Island Light 39	TRLB	11507	293-15 CHA	40/15	
4965	Elba Island Light 49	TRLB	11507	145-16 CHA	25/16	
5025	City Front Channel Light 62	OFF STA/TRLB	11514	308-15 CHA	30/14	
5585	**Wassaw Sound Lighted Buoy 4**	**OFF STA**	**11505**	**275-16 CHA**	**40/16**	
5705	**Skidaway Island Light 23**	**LT EXT**	**11512**	**278-16 CHA**	**40/16**	
5840	Sapelo Sound Buoy 2	OFF STA	11510	250-16 CHA	36/16	
5845	Sapelo Sound Buoy 3	OFF STA	11510	251-16 CHA	36/16	
5895	Sapelo River Daybeacon 6	TRUB	11507	156-16 CHA	26/16	
5970	Hampton River Daybeacon 11	HAZ NAV/STRUCT DMGD/TRLB	11507	322-15 CHA	44/15	
6120	St Simons North Tower Light	DAYMK IMCH	11489	210-16 CHA	31/16	
6240	**Turtle River Lower Range Front Light**	**HAZ NAV/TRLB**	**11506**	**272-16 CHA**	**40/16**	
6365	Turtle River Upper Range Front Light	STRUCT DEST	11506	205-16 JAX	39/16	
6410	St Andrew Sound Buoy 2	MISSING	11504	257-16 CHA	38/16	

6420	St Andrew Sound Buoy 5	OFF STA	11504	256-16 CHA	38/16
6615	St Marys South Jetty Buoy B	OFF STA	11503	117-16 JAX	19/16
6685	St Marys Daybeacon S	TRUB	11503	143-16 CHA	24/16
6690	Cumberland Sound Upper Range A Front Light	LT EXT	11503	195-16 JAX	37/16
8425	Welaka Light 50	LT EXT	11495	159-16 JAX	29/16
8780	Lake George South End Range Rear Light	LT EXT	11495	19-16 JAX	18/16
9585	**Canaveral Harbor Approach Channel Lighted Buoy 3**	**OFF STA**	**11481**	**212-16 JAX**	**40/16**
10155	St Lucie Inlet Daybeacon 12	HAZ NAV/TRUB	11472	147-16 MIA	29/16
11130	Caesar Creek Daybeacon 30	STRUCT DEST/HAZ NAV/TRLB	11463	110-16 MIA	22/16
11800	Largo Sound Channel Daybeacon 7	STRUCT DEST/HAZ NAV/TRLB	11464	013-16 KWT	10/16
11890	Mosquito Bank Light 35	LT IMCH/REDUCED INT	11464		41/15
12450	Bamboo Key Light 13	LT EXT	11453	092-15 KWT	51/15
14650	Safe Harbor Channel Light 3	HAZ NAV/TRLB	11441	054-16 KWT	34/16
14820	**Key West Main Channel Range Rear Light**	**REDUCED INT**	**11447**		**40/16**
15580	Bird Key Harbor Daybeacon 3BK	HAZ NAV/DAYMK MISSING	11438	002-16 KWT	02/16
17460	Gordon Pass Channel Light 3	TRLB	11430	702-16 STP	25/16
21757	Longboat Pass Daybeacon 1	TRUB	11425	1103-14 STP	48/14
21758	Longboat Pass Daybeacon 2	TRUB	11425	499-14 STP	20/14
22275	**Egmont Channel Lighted Buoy 10**	**BUOY DMGD**	**11415**	**1094-16 STP**	**40/16**
22355	Mullet Key Channel Range Front Light	TRUB	11415	1194-14 STP	51/14
22750	Tampa Bay Cut E Channel Outbound Range Rear Light	REDUCED INT	11416	927-16 STP	35/16
23560	Sparkman Channel Light 5	TRLB	11416	742-13 STP	32/13
23595	Port Sutton Channel Light 3	TRLB	11416	289-16 STP	10/16
23665	Tampa Bay Cut G Channel Range Front Light	LT EXT/STRUCT DMGD	11416	700-16 STP	25/16
25480	Pass-A-Grille Channel Daybeacon 7	DAYMK MISSING	11411	981-16 STP	37/16
25575	Johns Pass Light JP	DAYMK MISSING/STRUCT DMGD	11415	974-16 STP	38/16
25620	Johns Pass Channel Light 7	LT EXT	11411	1063-16 STP	39/16
26070	Anclote Anchorage South Entrance Light 1	STRUCT DEST/HAZ NAV/TRLB	11411	992-16 STP	36/16
26075	Anclote Anchorage South Entrance Light 3	DAYMK MISSING	11411	1022-16 STP	37/16
26090	Anclote Anchorage South Entrance Shoal Daybeacon	STRUCT DEST	11411	551-16 STP	19/16
26110	Anclote Anchorage North Entrance Light 2	STRUCT DEST/HAZ NAV/TRLB	11411	1022-16 STP	37/16
26115	Anclote Anchorage North Entrance Light 4	DAYMK MISSING	11411	1022-16 STP	37/16
26240	Anclote River Daybeacon 21	TRUB	11411	436-16 STP	15/16
28366	Homosassa Bay Buoy 2A	MISSING	11409	995-16 STP	38/16
28510	Homosassa River Buoy 44	OFF STA	11409	995-16 STP	37/16
28705	Homosassa River Buoy 81	OFF STA	11409	995-16 STP	37/16
28775	Crystal River Entrance Light 1	OFF STA/TRLB	11408	1028-16 STP	38/16
28775	Crystal River Entrance Light 1	STRUCT DEST/HAZ NAV/TRLB	11408	110-16 STP	04/16
28830	Crystal River Entrance Daybeacon 10	HAZ NAV/TRLB	11408	985-16 STP	36/16
28845	Crystal River Entrance Daybeacon 12	TRUB	11408	836-16 STP	31/16
29205	Cross Florida Greenway Light 20	TRLB	11408	962-16	37/16
29235	Cross Florida Greenway Light 21	TRLB	11408	962-16 STP	37/16
29285	Cross Florida Greenway Daybeacon 31	DAYMK DMGD/STRUCT DMGD	11408	772-16 STP	28/16
29410	Withlacoochee River Entrance Daybeacon 8	TRLB	11408	987-16 STP	36/16
29430	Withlacoochee River Entrance Daybeacon 11	DAYMK MISSING	11408	987-16 STP	37/16
29435	Withlacoochee River Entrance Daybeacon 12	TRLB	11408	987-16 STP	36/16

29440	Withlacoochee River Entrance Daybeacon 13	TRUB	11408	694-16 STP	25/16
29455	Withlacoochee River Entrance Daybeacon 16	DAYMK MISSING	11408	987-16 STP	37/16
29465	Withlacoochee River Entrance Daybeacon 18	DAYMK MISSING	11408	987-16 STP	37/16
29470	Withlacoochee River Entrance Light 18A	TRLB	11408	987-16 STP	36/16
29480	Withlacoochee River Entrance Daybeacon 20	TRLB	11408	987-16 STP	36/16
29540	Withlacoochee River Daybeacon 29A	DAYMK MISSING	11408	998-16 STP	37/16
29650	Withlachoochee River Daybeacon 46	TRUB	11408	831-14 STP	36/14
29770	Cedar Keys Main Channel Daybeacon 8	DAYMK MISSING	11408	994-16 STP	37/16
29805	Cedar Keys Main Channel Daybeacon 19	DAYMK DMGD	11408	994-16 STP	37/16
29815	Cedar Keys Main Channel Daybeacon 22	DAYMK DMGD	11408	994-16 STP	37/16
29845	Cedar Keys Main Channel Daybeacon 28	DAYMK MISSING	11408	994-16	37/16
29850	Cedar Keys Main Channel Light 30	STRUCT DEST/HAZ NAV	11408	994-16 STP	37/16
29855	Cedar Keys Main Channel Daybeacon 31	HAZ NAV/TRLB	11408	815-16 STP	30/16
29870	Cedar Keys Main Channel Daybeacon 36	DAYMK MISSING	11408	994-16 STP	37/16
29895	Cedar Keys South Bar Channel Light 2	HAZ NAV/TRLB	11408	994-16 STP	36/16
29905	Cedar Keys South Bar Channel Daybeacon 5	TRLB	11408	994-16 STP	36/16
29930	Cedar Keys Northwest Channel Daybeacon 4	DAYMK DMGD	11408	994-16 STP	37/16
29940	Cedar Keys Northwest Channel Daybeacon 8	DAYMK MISSING	11408	994-16 STP	37/16
29945	Cedar Keys Northwest Channel Light 9	STRUCT DMGD	11408	994-16 STP	36/16
29950	Cedar Keys Northwest Channel Daybeacon 10	DAYMK MISSING	11408	994-16 STP	37/16
29960	Cedar Keys Northwest Channel Daybeacon 13	DAYMK MISSING	11408	994-16 STP	37/16
29965	Cedar Keys Northwest Channel Daybeacon 14	DAYMK DMGD	11408	994-16	37/16
29970	Cedar Keys Northwest Channel Daybeacon 15	DAYMK MISSING	11408	994-16 STP	37/16
29980	Cedar Keys Northwest Channel Daybeacon 17	DAYMK MISSING	11408	994-16 STP	37/16
30000	Cedar Keys Northwest Channel Daybeacon 20	STRUCT DMGD	11408		37/16
30360	Horseshoe Beach Approach Light 2	STRUCT DEST	11407	993-16 STP	36/16
30390	Horseshoe Beach Channel Daybeacon 11	STRUCT DEST	11407	993-16 STP	36/16
30581	Steinhatchee River Daybeacon 50	TRLB/STRUCT DEST/HAZ NAV	11407	862-14 STP	37/14
30605	Keaton Beach Daybeacon 3	HAZ NAV/TRLB	11407	502-15 STP	18/15
31155	Cabo San Juan Light	REDUCED INT	25667	169-16 SJN	39/16
31175	Las Croabas Daybeacon 3	TRLB	25667	071-15 SJN	22/15
31380	Bajos Chinchorro Del Sur Light	DAYMK MISSING	25664	082-16 SJN	18/16
32080	**Bahia De Guayanilla Lighted Buoy 1**	**LT EXT**	**25681**	**175-16 SJN**	**40/16**
32190	Bahia De Guanica Entrance Lighted Buoy 2	OFF STA	25671	104-16 SJN	22/16
32220	Bahia De Guanica Range Rear Light	LT IMCH	25679	163-16 SJN	38/16
32700	Two Brothers Light	LT EXT	25647	148-16 SJN	34/16
32865	Christiansted Harbor Channel Lighted Buoy 1	LT EXT	25645	168-16 SJN	39/16
33345	Southwest Cape Shoal Buoy 2	MISSING	25644	092-16 SJN	22/16
33390	Guantanamo Bay Entrance Lighted Buoy 2	LT EXT	26230	N/A	24/16
33395	St Nicolas Point Channel Lighted Buoy 3	LT EXT	26230	N/A	24/16
33410	St Nicolas Point Channel Lighted Buoy 6	OFF STA	26230	N/A	24/16
33415	St Nicolas Point Channel Light 7	TRLB	26230		01/16
33710.5	Little River-Winyah Bay Daybeacon 22A	DAYMK IMCH	11534	N/A	36/16
33750	Little River-Winyah Bay Daybeacon 27	TRUB	11534	248-14 CHA	34/14
33855	Little River-Winyah Bay Light 40	LT EXT	11534	228-16 CHA	35/16

34355	Winyah Bay-Charleston Harbor Daybeacon 73	TRUB	11518	328-14 CHA	44/14
34620	Wappoo Creek Daybeacon 6	STRUCT DEST	11524	258-16 CHA	38/16
34630.5	Stono River Daybeacon 18	TRUB	11518	138-16 CHA	23/16
34845	Wadmalaw River Range A Rear Light	LT EXT/DAYMK MISSING/STRUCT DMGD	11518	094-16 CHA	17/16
34955	Dawho River Daybeacon 112	TRUB	11517	127-16 CHA	22/16
35700	Skull Creek Daybeacon 20	TRLB	11507	254-16 CHA	37/16
35780	May River Daybeacon 11	TRUB	11516	213-16 CHA	31/16
36085	Skidaway River Daybeacon 44A	TRUB	11507	147-16 CHA	25/16
36430	Bear River Light 105A	STRUCT DEST	11507	263-16 CHA	38/16
37295	Jekyll Creek Jetty Range Rear Light	STRUCT DEST	11489	243-16 CHA	36/16
37380	St Andrew Sound Lighted Buoy 30	OFF STA	11489	266-16 CHA	39/16
37870	Cumberland Sound Upper Range A Front Light	LT EXT	11503	195-16 JAX	37/16
38350	Pablo Creek Light 1	Status Unreported	11491	187-16 JAX	36/16
38365	Pablo Creek Light 6	OFF STA/TRLB	11491	157-16 JAX	27/16
39365	Matanzas River Daybeacon 49	DAYMK MISSING	11485	207-16 JAX	38/16
39510	Matanzas River Daybeacon 77	DAYMK MISSING	11485	206-16 JAX	39/16
39635	Matanzas River Light 99	LT IMCH	11485	184-16 JAX	37/16
39755	Silver Lake Light 13	TRLB	11485	180-16 JAX	35/16
39985	Halifax River Light 26	STRUCT DEST	11485	208-16 JAX	39/16
42015	Banana River North Daybeacon 55	DAYMK MISSING	11484	181-16 JAX	35/16
42500	Banana River Daybeacon 6B	TRUB	11472	056-16 JAX	10/16
42590	Banana River Daybeacon 24	TRUB	11481	186-14 JAX	27/14
44820	Indian River (South Section) Daybeacon 168A	TRUB	11472	174-16 MIA	35/16
45105	Taylor Creek Channel Daybeacon 4	TRUB	11475	168-16 MIA	33/16
46055	Peck Lake Daybeacon 20	TRUB	11472	185-16 MIA	37/16
47705	Dumfoundling Bay Daybeacon 51	TRUB	11467		37/16
48030	Miami Beach Channel Daybeacon 14	TRLB	11467	158-16 MIA	30/16
51350	Clewiston Channel (Rt 1B) Daybeacon 14	TRUB	11428	363-15 MIA	01/16
57025	Gasparilla Sound Channel Daybeacon 22	STRUCT DEST	11425	1068-16 STP	39/16
57320	**Lemon Bay Channel Daybeacon 18**	**TRUB**	**11425**	**1091-16 STP**	**40/16**
57875	Venice Inlet-Siesta Key Daybeacon 8	DAYMK MISSING/STRUCT DMGD	11425	864-16 STP	32/16
58485	**Siesta Key-Tampa Bay Light 8**	**STRUCT DEST**	**11425**	**1077-16 STP**	**40/16**
61510	**The Narrows Daybeacon 9**	**STRUCT DEST/HAZ NAV**	**11411**	**1093-16 STP**	**40/16**
61555	The Narrows Daybeacon 20	TRUB	11411	904-16 STP	34/16
61895	St Joseph Sound Light 11	DAYMK MISSING	11411	858-16 STP	33/16

DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
515	St. Simons Lighted Buoy STS	WATCHING PROPERLY	11502		40/16	40/16
1375	Egmont Channel Range Front Light	RELIGHTED	11411		40/16	40/16
1565	St Martins Outer Shoal Light 10	WATCHING PROPERLY	11409		20/16	40/16
2150	Winyah Bay Channel Light 40	RELIGHTED	11532		40/16	40/16
2505.5	Bennis Reach Range Front Light	RELIGHTED	11524		40/16	40/16
2506	Bennis Reach Range Rear Light	WATCHING PROPERLY	11524		40/16	40/16
5880	Sapelo River Daybeacon 3	REBUILT/RECOVERED	11510		40/16	40/16
6030	St. Simons Lighted Buoy STS	WATCHING PROPERLY	11502		40/16	40/16
6350	Blythe Island Range Front Light	WATCHING PROPERLY	11506		40/16	40/16
7205	Pilot Town Cut Range Rear Light	WATCHING PROPERLY	11491		40/16	40/16
7325	White Shells Cut Range Rear Light	WATCHING PROPERLY	11491		40/16	40/16
7870	New Switzerland Point Light 17A	WATCHING PROPERLY	11492		38/16	40/16
10190	Lake Worth Entrance Range Rear Light	RELIGHTED	11472		39/16	40/16
10750	Miami Turning Basin Articulated Light A	RELIGHTED	11468		40/16	40/16

10770	Miami Turning Basin Articulated Light E	RELIGHTED	11468	40/16	40/16
14810	Key West Main Channel Lighted Buoy 3	WATCHING PROPERLY	11441	40/16	40/16
15210	Key West Northwest Channel Light 10	RELIGHTED	11441	40/16	40/16
15245	Key West Northwest Channel Light 17	RELIGHTED	11447	40/16	40/16
22280	Egmont Channel Range Front Light	RELIGHTED	11411	40/16	40/16
22450	Tampa Bay Cut A Channel Lighted Buoy 4A	RELIGHTED	11415	40/16	40/16
22755	Tampa Bay Cut E Channel Lighted Buoy 1E	WATCHING PROPERLY	11416	40/16	40/16
25470	Pass-A-Grille Channel Daybeacon 3	REBUILT/RECOVERED	11411	37/16	40/16
30760	Bahia De San Juan Lighted Buoy 2	RELIGHTED	25670	40/16	40/16
31530	Punta Mulas Light	WATCHING PROPERLY	25663	40/16	40/16
32020	Bahia De Tallaboa Lighted Buoy 5	RELIGHTED	25681	40/16	40/16
32110	Bahia De Guayanilla Lighted Buoy 6	WATCHING PROPERLY	25681	31/16	40/16
34055	Winyah Bay Channel Light 40	RELIGHTED	11532	40/16	40/16
35695	Skull Creek Light 19	RELIGHTED	11507	40/16	40/16
35790	Calibogue Sound Light 30	RELIGHTED	11507	40/16	40/16
37363	Jekyll Creek Daybeacon 26	REBUILT/RECOVERED	11489	36/16	40/16
37510.2	Floyd Creek Daybeacon A34	WATCHING PROPERLY	11489	40/16	40/16
38352	Pablo Creek Buoy 2	WATCHING PROPERLY	11491	39/16	40/16
41510	Indian River (North Section) Light 59	WATCHING PROPERLY	11485	36/16	40/16
42170	Indian River (North Section) Light 77	RELIGHTED	11485	37/16	40/16
45915.5	Indian River (South Section) Light 240	RELIGHTED	11472	40/16	40/16
47113	Delray Beach Shoal Buoy	RESET ON STATION	11467	40/16	40/16
58210	Venice Inlet-Siesta Key Daybeacon 48	WATCHING PROPERLY	11425	40/16	40/16
58330	Venice Inlet-Siesta Key Daybeacon 64A	REBUILT/RECOVERED	11425	39/16	40/16
60460	Tampa Bay Cut A Channel Lighted Buoy 4A	RELIGHTED	11415	40/16	40/16

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
774	Boca Raton Inlet South Jetty Light 1	STRUCT DEST	11472	328-15 MIA	47/15	
1555	Anclote Key Light	LT EXT	11411	409-16 STP	14/16	
3245	Cooper River Mon Sta Obstruction Light E	LT EXT	11527	263-13 CHA	40/13	
3287.1	Upper Cooper River Daybeacon 3	STRUCT DEST	11527	100-16 CHA	18/16	
3288.8	Upper Cooper River Daybeacon 26	STRUCT DEST/HAZ NAV	11527	094-14 CHA	13/14	
4553	Savannah River Entrance Channel Special Purpose Lighted Buoy	MISSING	11509	183-11 CHA	28/11	
4661	Cockspur Lighthouse	LT EXT	11505		33/15	
6330	Colonels Island Range Front Light	REDUCED INT	11506	N/A	37/12	
6773	Cumberland Sound Shoal Light A	STRUCT DEST	11503	133-14 D7	15/14	
6867	Cumberland Sound Shoal Light D	HAZ NAV/LT EXT/DAYMK MISSING/STRUCT DMGD	11503	133-14 D7	15/14	
6872	Cumberland Sound Shoal Light F	HAZ NAV/LT EXT/DAYMK MISSING	11503	047-16 JAX	09/16	
9730	Sebastian Inlet Channel Daybeacon 1A	DAYMK DMGD	11472	173-16 MIA	35/16	
9740	Sebastian Inlet Channel Buoy 3	OFF STA	11472	111-16 MIA	22/16	
9880	Banty Saunders Recreational Area Daybeacon 8	STRUCT DEST	11475	120-16 MIA	22/16	
9895	Banty Saunders Recreational Area Daybeacon 12	STRUCT DMGD	11475	101-16 MIA	19/16	
10035	Sailfish Point Marina Channel Daybeacon 7	STRUCT DEST	11472	082-16 MIA	15/16	
10040	Sailfish Point Marina Channel Buoy 8	STRUCT DEST	11472	058-16 MIA	11/16	
10045	Sailfish Point Marina Channel Buoy 9A	STRUCT DEST	11472	058-16 MIA	11/16	
10047	Sailfish Point Marina Channel Buoy 9B	STRUCT DEST	11472	058-16 MIA	11/16	
10050	Sailfish Point Marina Channel Buoy 10	STRUCT DEST	11472	058-16 MIA	11/16	
10055	Sailfish Point Marina Channel Daybeacon 11	STRUCT DEST	11472	059-16 MIA	11/16	

10065	Sailfish Point Marina Channel Daybeacon 13	STRUCT DEST	11472	059-16 MIA	11/16
10067	Sailfish Point Marina Channel Buoy 13A	STRUCT DEST	11472	058-16 MIA	11/16
10886	Miami Springs Boat Club Shoal Buoy West	STRUCT DEST	11465	108-12 MIA	17/12
11760	Molasses Reef North Obstruction Daybeacon	DAYMK MISSING	11451	N/A	09/06
11945	Key Largo Ocean Resort Light 2	LT EXT	11451	047-15 KWT	20/15
12501.6	Vaca Cut Daybeacon 13	STRUCT DEST	11453	085-15 KWT	43/15
12509	Pigeon Key Shoal Daybeacon NW	STRUCT DEST	11453	202-14 KWT	05/14
12512	Red Bay Shoal Daybeacon B	DAYMK MISSING	11453	251-12 KWT	42/12
12585	Ohio Key Light 2	STRUCT DEST/HAZ NAV	11445	196-13 KWT	52/13
12595	Ohio Key Channel Daybeacon 4	STRUCT DEST	11446	135-13 KWT	32/13
12885	Yellow Shark Channel Buoy 21	OFF STA	11449	171-13 KWT	44/13
13150	Indian Key Channel Daybeacon 3	STRUCT DEST	11449	065-15 KWT	31/15
13385	Caloosa Cove Channel Daybeacon 11	STRUCT DMGD	11442	004-16 KWT	03/16
13555	Little Crawl Key Channel Daybeacon 3	STRUCT DEST	11449	009-16 KWT	04/16
14780	Casa Marina Daybeacon 1	STRUCT DEST	11446	073-14 KWT	22/14
16120	National Park Service Boat Basin South Channel Daybeacon 4	STRUCT DEST	11430	367-16 STP	13/16
16805	Big Marco River Daybeacon 4	STRUCT DEST	11430	359-16 STP	12/16
16860	Big Marco River Daybeacon 16	STRUCT DEST/HAZ NAV	11430	392-16 STP	13/16
17910	Barefoot Boat Club Daybeacon 8	STRUCT DEST/HAZ NAV	11430	759-14 STP	32/14
17964	New Pass Lighted Buoy 1	OFF STA	11427	494-16 STP	17/16
18142.3	Bunche Beach Channel Daybeacon 2	HAZ NAV/DAYMK MISSING/STRUCT DMGD	11427	1322.15 STP	52/15
18143.5	Bunche Beach Channel Daybeacon 10	STRUCT DEST/HAZ NAV	11427	1323-15 STP	52/15
18350	Hurricane Bay Daybeacon 10	STRUCT DMGD	11427	508-16 STP	17/16
18995.01	Estero Pointe Channel Daybeacon 3	DAYMK MISSING	11427	N/A	02/08
18995.07	Estero Pointe Channel Daybeacon 13	STRUCT DEST	11427		36/13
18996.06	Estero Pointe Channel Daybeacon 28	STRUCT DEST	11427		36/13
19465	Spring Creek Daybeacon 37	STRUCT DEST	11427	1201-14 STP	51/14
19500	Spring Creek Daybeacon 46	TRUB	11427	1199-14 STP	51/14
20000	Burnt Store Marina Light 2	LT EXT	11425	1037-15 STP	40/15
20203	Hayward Canal Daybeacon 3	STRUCT DMGD	11426	305-14 STP	13/14
20500	Isles Channel Light 2	LT EXT	11426	N/A	10/14
20845	Ackerman Waterway Daybeacon 8	DAYMK IMCH	11426	306-14 STP	13/14
20905	Elkcam Waterway Light 1	STRUCT DMGD	11426	307-14 STP	36/13
20980.4	Manchester Waterway Daybeacon 4	STRUCT DEST	11426	463-14 STP	19/14
21410	Stump Pass Marina Daybeacon 6	STRUCT DEST	11425	708-16 STP	25/16
21525	Big Sarasota Pass Daybeacon 15	STRUCT DEST	11425	208-16 STP	07/16
21530	Big Sarasota Pass Daybeacon 15A	STRUCT DEST	11425	925-14 STP	40/14
21567.5	Lido Key Channel Daybeacon 16	STRUCT DEST	11425	1047-15 STP	40/15
21568.5	Lido Key Channel Daybeacon 18	DAYMK MISSING	11425	1049-15 STP	40/15
21570	Big Sarasota Pass Daybeacon 16	STRUCT DEST	11425	1052-12 STP	11/12
21570.1	North Siesta Key Daybeacon 1	TRUB	11425	056-16 STP	03/16
21577	Big Sarasota Pass Daybeacon 18	DAYMK MISSING/STRUCT DMGD	11425	370-16 STP	40/14
21580	Big Sarasota Pass Daybeacon 19	STRUCT DMGD	11425	1185-14 STP	50/14
21700	Country Club Shores Daybeacon 18	STRUCT DEST	11425	1092-13 STP	48/13
22097.5	Braden River Daybeacon 6	STRUCT DEST	11415	765-16 STP	27/16
22290	Tampa Bay P.O.R.T.S. Monitor Light P	STRUCT DEST	11415	544-16 STP	21/12
22786	North Yacht Basin Daybeacon 2	STRUCT DEST/HAZ NAV	11415		42/14
23515	Hookers Point North Warning Daybeacon	DAYMK MISSING	11416	229-13 STP	11/13
23525	Bulk Liquid Cargo Dolphin 2 Obstruction Light	LT EXT	11416	228-13 STP	11/13
23530	Bulk Liquid Cargo Dolphin 4 Obstruction Light	LT EXT	11416	1152-10 STP	40/10

23605	Port Sutton Light	STRUCT DEST	11416	230-13 STP	11/13
23610	Marathon Petroleum West Light	LT EXT	11416	N/A	44/10
23814.8	Westshore Yacht Club Light 12	STRUCT DEST/HAZ NAV	11416	916-16 STP	36/16
23820	Weedon Island Channel Lighted Buoy 4	TRUB	11416	085-16 STP	03/16
23850	Weedon Island Channel Lighted Buoy 10	LT EXT	11416	632-16 STP	23/16
23950.5	Old Tampa Bay Pipeline West Light	LT EXT	11416	N/A	13/06
24055	Bridgeview Channel Daybeacon 4	STRUCT DEST	11416	442-07 STP	12/04
24130	Culbreath Bayou South Daybeacon 3	STRUCT DEST/HAZ NAV	11416	051-13 STP	03/13
24210	Dana Shores Daybeacon 9	STRUCT DEST/HAZ NAV	11416	754-15 STP	28/15
24290	Cabbagehead Bayou Daybeacon 2	STRUCT DEST/HAZ NAV		726-14 STP	31/14
24610.1	Apollo Beach Light 2	STRUCT DEST	11416	1005-16 STP	37/16
24610.1	Apollo Beach Light 2	STRUCT DEST	11416	1106-15 STP	43/15
24750	Point Pinellas Daybeacon 5	STRUCT DEST	11415	991-16 STP	36/16
25021.3	Coffe Pot Bayou Daybeacon 4	DAYMK MISSING	11416	886-16 STP	34/16
25693	Sand Key Jetty Lighted Buoy A	MISSING	11411	997-16 STP	36/16
25693.1	Sand Key Jetty Lighted Buoy B	MISSING	11411	997-16 STP	36/16
25965	Dunedin Marina Light 4	LT EXT/DAYMK MISSING	11411	349-10 STP	12/10
25980	Hurricane Pass Light 2	LT EXT	11411	739-16 STP	26/16
25990	Hurricane Pass Daybeacon 4	STRUCT DEST	11411	739-16 STP	26/16
26000	Hurricane Pass Daybeacon 6	STRUCT DEST	11411	739-16 STP	26/16
28220	Holder Rock Obstruction Daybeacon	STRUCT DMGD	11409	608-15 STP	22/15
28960	Florida Power Corporation Channel Light 3	DAYMK MISSING	11408	962-16 STP	37/16
28960	Florida Power Corporation Channel Light 3	LT IMCH	11408	539-16 STP	19/16
28965	Florida Power Corporation Channel Light 4	DAYMK MISSING	11408	962-16 STP	37/16
28965	Florida Power Corporation Channel Light 4	LT IMCH	11408	539-16 STP	19/16
28975	Florida Power Corporation Channel Light 6	DAYMK MISSING	11408	962-16 STP	37/16
28980	Florida Power Corporation Channel Light 7	LT IMCH	11408	539-16 STP	19/16
28985	Florida Power Corporation Channel Light 8	LT EXT	11408	539-16 STP	19/16
28990	Florida Power Corporation Channel Light 9	DAYMK MISSING	11408	962-16 STP	37/16
29000	Florida Power Corporation Channel Light 12	DAYMK MISSING	11408	962-16 STP	37/16
29010	Florida Power Corporation Channel Light 14	DAYMK MISSING	11408	962-16 STP	37/16
29015	Florida Power Corporation Channel Light 16	DAYMK MISSING	11408	962-16 STP	37/16
29020	Florida Power Corporation Channel Light 17	LT IMCH	11408	539-16 STP	19/16
29025	Florida Power Corporation Channel Light 18	DAYMK MISSING	11408	962-16 STP	37/16
29030	Florida Power Corporation Channel Light 20	DAYMK MISSING	11408	962-16 STP	37/16
29030	Florida Power Corporation Channel Light 20	LT IMCH	11408	539-16 STP	19/16
29035	Florida Power Corporation Channel Light 21	DAYMK MISSING	11408	962-16 STP	37/16
29035	Florida Power Corporation Channel Light 21	LT EXT	11408	539-16 STP	19/16
29040	Florida Power Corporation Channel Light 23	REDUCED INT	11408	539-16 STP	19/16
29050	Florida Power Corporation Channel Light 26	DAYMK MISSING	11408	962-16 STP	37/16
29055	Florida Power Corporation Channel Light 27	DAYMK MISSING	11408	962-16 STP	37/16
29060	Florida Power Corporation Channel Light 28	DAYMK MISSING	11408	962-16 STP	37/16

29060	Florida Power Corporation Channel Light 28	REDUCED INT	11408	539-16 STP	19/16
29070	Florida Power Corporation Channel Light 31	LT EXT	11408	539-16 STP	19/16
29080	Florida Power Corporation Channel Light 33	DAYMK MISSING	11408	962-16 STP	37/16
29080	Florida Power Corporation Channel Light 33	LT IMCH	11408	539-16 STP	19/16
29085	Florida Power Corporation Channel Light 34	DAYMK MISSING	11408	962-16 STP	37/16
29090	Florida Power Corporation Channel Light 35	DAYMK MISSING	11408	962-16 STP	37/16
29090	Florida Power Corporation Channel Light 35	Status Unreported	11408	962-16 STP	37/16
29095	Florida Power Corporation Channel Light 36	DAYMK MISSING	11408	962-16 STP	37/16
29105	Florida Power Corporation Channel Light 38	DAYMK MISSING	11408	962-16 STP	37/16
29105	Florida Power Corporation Channel Light 38	LT EXT	11408	539-16 STP	19/16
29110	Florida Power Corporation Channel Light 39	DAYMK MISSING	11408	962-16 STP	37/16
29110	Florida Power Corporation Channel Light 39	LT EXT	11408	539-16 STP	19/16
29115	Florida Power Corporation Channel Light 40	DAYMK MISSING	11408	962-16 STP	37/16
29120	Florida Power Corporation Channel Light 41	DAYMK MISSING	11408	962-16 STP	37/16
29130	Florida Power Corporation Channel Light 43	DAYMK MISSING	11408	962-16 STP	37/16
29135	Florida Power Corporation Channel Light 44	DAYMK MISSING	11408	962-16 STP	37/16
29140	Florida Power Corporation Channel Light 45	DAYMK MISSING	11408	962-16 STP	37/16
29150	Florida Power Corporation Channel Light 47	LT IMCH	11408	539-16 STP	19/16
29155	Florida Power Corporation Channel Light 48	LT IMCH	11408	539-16 STP	19/16
30200	Suwannee River Mcgriff Pass Daybeacon 7	STRUCT DEST	11408		23/14
30245	Suwannee River Mcgriff Pass Daybeacon 28	STRUCT DEST	11408		20/14
30825	Tmt Outer Dolphin Obstruction Light	LT EXT	25670	231-07 GAN	36/07
30830	Tmt Middle Dolphin Obstruction Light	LT EXT	25670	320-05 SJN	47/05
31255	Isleta Marina Pier D Light	LT EXT	25667	188-11 SJN	31/11
31275	Isla Palominos Marina Buoy 2	MISSING	25667	087-13 SJN	22/13
31335.1	Puerto Del Ray North Channel Lighted Buoy 6	OFF STA	25663	237-13 SJN	50/13
31590	Vieques Naval Pier Light (2)	LT EXT	25664	085-16 SJN	18/16
31595	Vieques Naval Breakwater Light	LT EXT	25664	084-16 SJN	18/16
31755	Puerto Yabucoa Channel Lighted Buoy 2	LT EXT	25661	149-16 SJN	35/16
32030	Bahia De Tallaboa Light 7A	LT EXT	25681	023-10 SJN	08/10
32680	Johnson Reef Buoy JA	OFF STA	25647	068-15 SJN	21/15
32680.1	Johnson Reef Lighted Buoy JB	DAYMK IMCH	25647	207-08 SJN	34/08
32680.1	Johnson Reef Lighted Buoy JB	LT EXT	25647	038-16 SJN	08/16
32680.3	Johnson Reef Lighted Buoy JD	LT EXT	25647	204-15 SJN	46/15
33053	North Lang Bank Fad Lighted Buoy B	OFF STA	25641	030-09 SJN	07/09
33355	Frederiksted Mooring Light	LT EXT	25644	124-16 SJN	29/16
35015	Dawhoo Fishing Pier Obstruction Light	STRUCT DMGD	11517	208-11 CHA	30/11
35407.1	Pigeon Point Obstruction Daybeacon B	DAYMK MISSING	11518	317-15 CHA	43/15
35425	Marsh Harbor Marina Daybeacon 4	DAYMK MISSING	11518	126-13 CHA	19/13
35585	Trenchards Inlet Tide Gauge Daybeacon	DAYMK IMCH	11516	N/A	03/04
35590	Station Creek West Tide Gauge Daybeacon	Status Unreported	11516	N/A	03/04

35630	Ribaut Island Dock Light G	LT EXT	11507	N/A	04/05
36241.1	Delegal Creek Channel Light 8	LT EXT	11507		39/15
36242.2	Water Island Channel Lighted Buoy 3	LT EXT	25649	162-15 SAJ	39/15
37140	Jove Creek Northwest Obstruction Daybeacon	DAYMK DMGD	11506	182-14 CHA	27/14
37804	Cumberland Sound Shoal Light F	HAZ NAV/LT EXT/DAYMK MISSING	11503	047-16 JAX	09/16
37808	Cumberland Sound Shoal Light D	HAZ NAV/LT EXT/DAYMK MISSING/STRUCT DMGD	11503	133-14 D7	15/14
37843	Cumberland Sound Shoal Light A	STRUCT DEST	11503	133-14 D7	15/14
38845	Camachee Cove Range Front Light	LT EXT	11485	060-14 JAX	08/14
38930	Salt Run Daybeacon 4	STRUCT DEST	11485	680-16 STP	24/16
39052	FDOT Bridge Of Lions North Breasting Light	LT IMCH	11485	137-14 JAX	19/14
39053	FDOT Bridge Of Lions C Breasting Light	LT IMCH	11485	138-14 JAX	19/14
39054	FDOT Bridge Of Lions South Breasting Light	LT IMCH	11485	139-14 JAX	19/14
40250	Matthews Marina Daybeacon 1	STRUCT DEST	11485	414-12 JAX	47/12
40775	Smyrna Yacht Club Daybeacon 3	DAYMK DMGD	11485	093-13 JAX	14/13
41665	Sykes Creek Daybeacon 30	STRUCT DEST	11485	175-16 JAX	34/16
42135	Indian Cove Marina Daybeacon 2	DAYMK DMGD	11485	N/A	40/07
42250	Indian River Yacht Club Race Course Buoy D	MISSING	11485	212-12 JAX	21/12
42492	Manatee Cove Marina Range Rear Light	LT EXT	11476	086-12 JAX	11/12
42620	Pelican Creek Daybeacon 3	DAYMK DMGD	11476	103-11 JAX	13/11
42830	Central Avenue Entrance Channel Light 2	LT EXT	11476	232-15 JAX	42/15
42855	Central Avenue Entrance Channel Daybeacon 7	STRUCT DEST	11476	141-14 JAX	19/14
42945	Sandpiper Channel Light 2	LT EXT	11476	134-14 JAX	19/14
43115	Intracoastal Marina Channel Daybeacon 1	DAYMK MISSING	11476		18/15
43120	Intracoastal Marina Channel Daybeacon 2	STRUCT DMGD	11476	204-13 JAX	29/13
43125	Intracoastal Marina Channel Daybeacon 3	DAYMK MISSING	11476		18/15
43130	Intracoastal Marina Channel Daybeacon 4	STRUCT DEST	11476	124-12 JAX	15/12
43135	Intracoastal Marina Channel Daybeacon 5	DAYMK MISSING	11476	282-14 JAX	44/14
43140	Intracoastal Marina Channel Daybeacon 6	DAYMK MISSING	11476		18/15
43150	Intracoastal Marina Channel Daybeacon 8	DAYMK MISSING	11476		18/15
43155	Intracoastal Marina Channel Daybeacon 9	DAYMK MISSING	11476		18/15
43165	Intracoastal Marina Channel Daybeacon 12	DAYMK MISSING	11476		18/15
43615	Inlet Marina Daybeacon 1	DAYMK MISSING	11476	187-16 MIA	37/16
43620	Inlet Marina Daybeacon 2	DAYMK MISSING	11476	186-16 MIA	37/16
43625	Inlet Marina Daybeacon 3	DAYMK MISSING	11476	186-16 MIA	37/16
43630	Inlet Marina Daybeacon 4	DAYMK MISSING	11476	186-16 MIA	37/16
43630.7	Sembler Marina North Channel Daybeacon 8	DAYMK MISSING	11472	059-13 MIA	08/13
43635	Sembler Daybeacon 1	DAYMK MISSING	11476	062-13 MIA	08/13
43640	Sembler Daybeacon 2	DAYMK MISSING	11476	061-13 MIA	08/13
43645	Sembler Daybeacon 3	DAYMK MISSING	11476	192-16 MIA	39/16
43650	Sembler Daybeacon 4	DAYMK MISSING	11476	193-16 MIA	39/16
43655	Sembler Daybeacon 5	DAYMK MISSING	11476	194-16 MIA	39/16
43685.1	Channel 68 Marina Daybeacon 1	STRUCT DEST/HAZ NAV	11472	188-16 MIA	37/16
43685.2	Channel 68 Marina Daybeacon 2	DAYMK MISSING	11472	N/A	10/03
43685.2	Channel 68 Marina Daybeacon 2	STRUCT DEST	11472	188-16 MIA	37/16
43685.6	Channel 68 Marina Daybeacon 6	STRUCT DEST	11472	188-16 MIA	37/16

43720	River Run Daybeacon 5	DAYMK MISSING	11472		38/16
44245	Vero Marine Center Buoy 8A	MISSING	11476	275-12 MIA	39/12
44250	Vero Marine Center Buoy 8B	MISSING	11476	276-12 MIA	39/12
44985	Village Marina Daybeacon 2	STRUCT DEST	11476	112-16 MIA	22/16
45035	Riverside Marina (Ft. Pierce) Daybeacon 1	STRUCT DEST	11476	113-16 MIA	22/16
45050	Riverside Marina(Ft. Pierce) Daybeacon 4	DAYMK IMCH	11476	114-16 MIA	22/16
45055	Riverside Marina(Ft. Pierce) Daybeacon 5	STRUCT DEST	11476	115-16 MIA	22/16
45065	Riverside Marina(Ft. Pierce) Daybeacon 7	DAYMK MISSING	11476	116-16 MIA	22/16
45070	Riverside Marina(Ft. Pierce) Daybeacon 8	DAYMK MISSING	11476	117-16 MIA	22/16
45185	Faber Cove Daybeacon 14	STRUCT DEST	11476	094-16 MIA	17/16
45395	Island Dunes Marina Daybeacon 2	DAYMK DMGD	11472	211-11 MIA	44/11
45400	Island Dunes Marina Daybeacon 3	DAYMK DMGD	11472	212-11 MIA	44/11
45405	Island Dunes Marina Daybeacon 4	DAYMK DMGD	11472	213-11 MIA	44/11
45410	Island Dunes Marina Daybeacon 5	DAYMK DMGD	11472	214-11 MIA	44/11
45615	Rigels Cove Channel Daybeacon 7	DAYMK IMCH	11472	244-15 MIA	30/15
45820	Ind River Plantation Marina Channel Daybeacon 1	STRUCT DEST/HAZ NAV	11472	163-15 MIA	17/15
45885	Sewalls Point Daybeacon 1	DAYMK MISSING	11472	430-13 MIA	52/13
45890	Sewalls Point Daybeacon 2	DAYMK MISSING	11472	429-13 MIA	52/13
45895	Sewalls Point Daybeacon 3	DAYMK MISSING	11472	430-13 MIA	52/13
45900	Sewalls Point Daybeacon 4	DAYMK MISSING	11472	431-13 MIA	52/13
45980	Miles Grant Daybeacon 2	DAYMK IMCH	11476		29/16
45990	Miles Grant Daybeacon 4	DAYMK IMCH	11476	152-16 MIA	29/16
45995	Miles Grant Daybeacon 6	DAYMK IMCH	11476	153-16 MIA	29/16
46260	Loxahatchee River Daybeacon 2	STRUCT DEST	11472	103-16 MIA	20/16
46351	Loxahatchee River North Fork Buoy 9	STRUCT DEST	11472	355-15 MIA	52/15
46680	Old Slip Marina Daybeacon 4	STRUCT DEST/HAZ NAV	11476	302-15 MIA	40/15
47050	Ocean Inlet Park Daybeacon 3	MISSING	11467	048-16 MIA	10/16
47055	Ocean Inlet Park Daybeacon 4	STRUCT DEST	11467	049-16 MIA	10/16
47060	Ocean Inlet Park Daybeacon 5	STRUCT DEST	11467	050-16 MIA	10/16
47065	Ocean Inlet Park Daybeacon 6	STRUCT DEST	11467	051-16 MIA	10/16
47070	Ocean Inlet Park Daybeacon 7	STRUCT DEST	11467	052-16 MIA	10/16
47075	Ocean Inlet Park Daybeacon 8	STRUCT DEST	11467	053-16 MIA	10/16
47460	Pier 66 Marina Daybeacon 1	DAYMK DMGD	11467	N/A	20/10
47640	Golden Gates Marina South Obstruction Light	LT IMCH	11467	N/A	42/07
48125	Sunset Harbour Channel Light 11	LT IMCH	11468	160-16 MIA	30/16
48225	Mike Gordon Restaurant Daybeacon 2	STRUCT DEST/HAZ NAV	11476	138-16 MIA	27/16
48405	Sea Isle Marina Daybeacon 2	STRUCT DEST	11468	084-15 MIA	08/15
48500	Claughton Island North Obstruction Daybeacon	DAYMK DMGD	11465	330-06 MIA	27/06
48505	Claughton Island Middle Obstruction Daybeacon	DAYMK MISSING	11465	637-04 MIA	51/04
48510	Claughton Island South Obstruction Daybeacon	STRUCT DEST	11465	235-13 MIA	28/13
49010	John A Brennan Channel Daybeacon 7	STRUCT DMGD	11467	395-12 MIA	01/13
49240	Entrada Channel Daybeacon 1	HAZ NAV/DAYMK MISSING	11465	018-16 MIA	03/16
49245	Entrada Channel Daybeacon 3	HAZ NAV/DAYMK MISSING	11465	018-16 MIA	03/16
49250	Entrada Channel Daybeacon 5	HAZ NAV/DAYMK MISSING	11465	018-16 MIA	03/16
49255	Entrada Channel Daybeacon 7	HAZ NAV/DAYMK MISSING	11465	018-16 MIA	03/16
49260	Entrada Channel Daybeacon 9	HAZ NAV/DAYMK MISSING	11465	018-16 MIA	03/16
49300	Coral Gables Waterway Daybeacon 4	HAZ NAV/DAYMK MISSING	11465	029-16 MIA	06/16
50260	Manatee Creek Daybeacon 6	STRUCT DEST	11451	051-16 KWT	32/16
50295	The Moorings Daybeacon 2	DAYMK MISSING	11451	N/A	19/06

50300	The Moorings Daybeacon 3	DAYMK MISSING	11451	N/A	19/06
50305	The Moorings Daybeacon 4	DAYMK MISSING	11451	N/A	19/06
50665	Sewalls Point Channel Daybeacon 3	DAYMK MISSING	11472	432-13 MIA	52/13
50670	Sewalls Point Channel Daybeacon 4	DAYMK MISSING	11472	433-13 MIA	52/13
50677	Manatee Pocket Channel Daybeacon 1	DAYMK MISSING	11472	171-16 MIA	34/16
51640	Pahokee Harbor Obstruction Daybeacon	DAYMK DMGD	11428	192-12 MIA	27/12
52940	Paradise Yacht Club Daybeacon 7	DAYMK MISSING	11428	462-14 STP	19/14
52995	Paradise Yacht Club Daybeacon 18	DAYMK MISSING	11428	465-14 STP	19/14
53000	Paradise Yacht Club Daybeacon 19	STRUCT DEST	11428	464-14 STP	19/14
53545	Harney Point Rim Channel Daybeacon 4	DAYMK DMGD	11427	742-16 STP	27/16
53560	Harney Point Rim Channel Daybeacon 7	DAYMK MISSING	11427	742-16 STP	27/16
53580	Harney Point Rim Channel Daybeacon 12	DAYMK MISSING	11427	742-16 STP	27/16
53780	Bikini Basin Entrance Channel Daybeacon 3	DAYMK MISSING	11427	742-16 STP	27/16
54115	Redfish Point Rim Channel Daybeacon 12	DAYMK MISSING	11427	742-16 STP	27/16
54175	Cape Coral Boat Ramp Channel Daybeacon 2	DAYMK MISSING	11427	742-16 STP	27/16
54250	Peppertree Pointe Daybeacon 12	STRUCT DEST	11427	556-14 STP	23/14
54360	Bimini Entrance Channel Daybeacon 24	DAYMK MISSING	11427	921-16 STP	36/16
54415	Redfish Cove Channel Daybeacon 10	DAYMK DMGD	11427	920-16 STP	36/16
54445	Redfish Cove Channel Daybeacon 18	DAYMK MISSING	11427	919-16 STP	36/16
55125	Matlacha Pass Daybeacon 51	TRUB	11426	4585-16 STP	16/16
55260	Matlacha Pass Daybeacon 92	TRUB	11426	517-16 STP	18/16
55920	Safety Harbor Channel Daybeacon 2	DAYMK IMCH	11426	270-14 STP	11/14
56245	Wilson Cut Channel Daybeacon 4	STRUCT DEST	11427	398-16 STP	14/16
56265	Wilson Cut Channel Daybeacon 8	DAYMK IMCH	11427	398-16 STP	14/16
56295	Wilson Cut Channel Daybeacon 14	STRUCT DMGD	11427	398-16 STP	14/16
56300	Wilson Cut Channel Daybeacon 15	DAYMK MISSING	11427	398-16 STP	14/16
56305	Wilson Cut Channel Daybeacon 16	DAYMK MISSING	11427	267-14 STP	11/14
56330	Wilson Cut Channel Daybeacon 21	DAYMK IMCH	11427	398-16 STP	14/16
56345	Wilson Cut Channel Daybeacon 24	DAYMK IMCH	11427	268-14 STP	11/14
56355	Wilson Cut Channel Daybeacon 26	STRUCT DEST	11427	269-14 STP	11/14
56560	Gasparilla Island Daybeacon 1	STRUCT DEST	11425	609-15 STP	22/15
56670	Fishery Restaurant Channel Daybeacon 5	STRUCT DEST	11425	081-16 STP	03/16
57210	Knights Pass Channel Daybeacon 7	DAYMK IMCH	11425	464-10 STP	16/10
57290	Daughtrey Landing Daybeacon 2	DAYMK DMGD	11425	462-10 STP	16/10
57295	Daughtrey Landing Daybeacon 3	DAYMK MISSING	11425	724-06 STP	21/05
57485	Royal Palm Marina Buoy 5	DAYMK IMCH	11425	N/A	19/10
57570	Lemon Bay Daybeacon 3	DAYMK DMGD	11425	N/A	19/10
57580	Lemon Bay Daybeacon 5	STRUCT DEST	11425	N/A	19/10
57740	Eagle Point Daybeacon 5	STRUCT DEST	11452	696-10 STP	23/10
58112	Casey Key Daybeacon 2	STRUCT DEST	11425	880-13 STP	39/13
58114	Casey Key Daybeacon 3	STRUCT DEST	11425	878-13 STP	39/13
58195	Midnight Pass Lagoon Daybeacon 6	STRUCT DEST	11425		50/14
58205.6	Midnight Pass Daybeacon 19	STRUCT DEST	11425	879-13 STP	39/13
59065	Longboat Harbor Channel Daybeacon 16	STRUCT DMGD	11425	852-16 STP	31/16
59140	Longboat Harbor North Marina Daybeacon 4	STRUCT DEST	11425	697-16 STP	25/16
59145	Longboat Harbor North Marina Daybeacon 6	STRUCT DEST	11425	697-16 STP	25/16
59150	Longboat Harbor North Marina Daybeacon 8	STRUCT DEST	11425	697-16 STP	25/16
59245	Buccaneer Inn Daybeacon 10	STRUCT DEST	11425	916-13 STP	40/13
59405	Coral Shores Channel Daybeacon 9	STRUCT DEST	11425	659-15 STP	25/15
59642	Palma Sola Bay Channel Daybeacon 4	STRUCT DEST	11425	522-16 STP	18/16

59700	Perico Bayou Channel Daybeacon 6A	Status Unreported	11415	N/A	10/09
59803	San Remo Shore Channel Daybeacon 14	DAYMK MISSING	11425	N/A	40/09
59805	San Remo Shore Channel Daybeacon 15	DAYMK MISSING	11425	N/A	40/09
59810	San Remo Shore Channel Daybeacon 16	DAYMK MISSING	11425	N/A	40/09
59895	Palma Sola Park Channel Daybeacon 2	DAYMK DMGD	11415	N/A	24/09
59940	Bradenton Beach City Channel Daybeacon 2	DAYMK MISSING	11425	N/A	24/09
60065	Perico Harbor Marina Daybeacon 2	DAYMK MISSING	11415	N/A	24/09
60070	Perico Harbor Marina Daybeacon 3	LT IMCH	11415	N/A	45/07
60085	Perico Harbor Marina Daybeacon 6	DAYMK MISSING	11415	N/A	24/09
60130	Perico Harbor Marina Daybeacon 15	DAYMK MISSING	11415	N/A	24/09
60985	South Pasadena Marina Daybeacon 6	STRUCT DEST	11411	1103-12 STP	43/12
60990	South Pasadena Marina Daybeacon 7	STRUCT DEST	11411	599-13 STP	26/13
60995	South Pasadena Marina Daybeacon 8	STRUCT DEST	11411	600-13 STP	26/13
61000	South Pasadena Marina Daybeacon 9	STRUCT DEST	11411	601-13 STP	20/13
61005	South Pasadena Marina Daybeacon 10	STRUCT DEST	11411	602-13 STP	26/13
61010.01	South Pasadena Marina Daybeacon 12	STRUCT DEST	11411	603-13 STP	26/13
61975	Marker 1 Marina Channel Daybeacon 1	STRUCT DEST		1113-13 STP	48/13
62005	Marker 1 Marina Channel Daybeacon 7	STRUCT DEST		697-10 STP	23/10
62245	Tarpon Cove Daybeacon 20	DAYMK DMGD	11411	N/A	17/06
	Ribaut Island Dock Light A	LT EXT	11507	N/A	04/05
	Ribaut Island Dock Light C	LT EXT	11507	N/A	04/05

DISCREPANCIES (PRIVATE AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End

None

PLATFORM DISCREPANCIES

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

PLATFORM DISCREPANCIES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

SECTION III - TEMPORARY CHANGES and TEMPORARY CHANGES CORRECTED

This section contains temporary changes and corrections to Aids to Navigation for this edition. When charted aids are temporarily relocated for dredging, testing, evaluation, or marking an obstruction, a temporary correction shall be listed in Section IV giving the new position.

TEMPORARY CHANGES

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
935	Pacific Reef Light	TRLT	11451	074-13 MIA	32/15	
950	Elbow Reef Light 6	TRLT	11463	025-16 MIA	04/16	
1010	Looe Key Light 24	Reduced Intensity	11445	N/A	30/15	
1020	Pelican Shoal Light 26	TRLB	11446		34/16	
1310	**Gasparilla Island Light**	**DISCONTINUED**	**11425**	1081-16 STP	**40/16**	
1380	Egmont Channel Range Rear Light	Reduced Intensity	11411	378-16 STP	13/16	
1535	Anclote Anchorage South Entrance Light 1	TRLB	11411		38/16	
1560	Anclote Anchorage North Entrance Light 2	TRLB	11411		38/16	
1675	Keaton Beach Light 1	TRLB	11407	1001-16 STP	36/16	
1730	Little River Inlet Daybeacon 12	TRUB	11534	186-16 CHA	29/16	

1840	Murrells Inlet Daybeacon 23	TRUB	11534	157-16 CHA	26/16
2345	Town Creek Light 20	TRLB	11518	252-16 CHA	37/16
3660	Ashley River Daybeacon 21	TRUB	11524	179-16 CHA	28/16
3880	North Edisto River Inner Buoy 7	TRUB	11522	075-15 CHA	13/15
4575	Tybee Range Lighted Buoy 7	RELOCATED FOR DREDGING	11505	162-16 CHA	26/16
4595	Bloody Point Range Lighted Buoy 9	RELOCATED FOR DREDGING	11505		50/15
4600	Bloody Point Range Lighted Buoy 10	RELOCATED FOR DREDGING	11505	227-16 CHA	35/16
4655	South Channel Buoy 3	RELOCATED	11505	189-16 CHA	28/16
4655	South Channel Buoy 3	TRLB	11505	189-16 CHA	28/16
4850	Elba Island Light 39	TRLB	11507	293-15 CHA	40/15
4965	Elba Island Light 49	TRLB	11507	182-16 CHA	28/16
4990	Barnwell Island Flats Lighted Buoy 52A	RELOCATED	11514	188-15 CHA	26/15
5025	City Front Channel Light 62	TRLB	11514	210-14 CHA	33/14
5895	Sapelo River Daybeacon 6	TRUB	11507	156-16 CHA	26/16
5900	Sapelo River Daybeacon 8	DISCONTINUED	11510	267-16 CHA	39/16
5905	Sapelo River Daybeacon 10	DISCONTINUED	11510	267-16 CHA	39/16
5970	Hampton River Daybeacon 11	TRLB	11507	322-15 CHA	45/15
6240	**Turtle River Lower Range Front Light**	**TRLB**	**11506**	272-16 CHA	**40/16**
6270	Brunswick Harbor Range Front Light	TRLB	11489	185-16 JAX	36/16
7275	Mile Point Jetty East Daybeacon	TRUB	11491	061-16 JAX	11/16
9655	Canaveral Harbor Entrance Channel Light 14	DISCONTINUED FOR DREDGING	11478	181-14 JAX	26/14
9670	Canaveral Harbor Entrance Channel Light 12A	DISCONTINUED FOR DREDGING	11478	090-15 JAX	15/15
10155	St Lucie Inlet Daybeacon 12	TRUB	11472	147-16 MIA	29/16
10213	Singer Island Channel Daybeacon 8	RELOCATED	11472	118-16 MIA	22/16
10213	Singer Island Channel Daybeacon 8	TRLB	11472	118-16 MIA	22/16
10355	Port Everglades Turning Basin Light 11	TRLB	11470	095-16 MIA	18/16
10550	Miami Main Channel Light 15	RELOCATED FOR DREDGING	11468	N/A	14/15
10550	Miami Main Channel Light 15	TRLB	11468	038-14 MIA	06/14
10655	Fishermans Channel Light 5	RELOCATED FOR DREDGING	11468	082-15 MIA	12/15
10655	Fishermans Channel Light 5	TRLB	11468	038-14 MIA	06/14
10660	Fishermans Channel Light 7	TRLB	11468	038-14 MIA	06/14
10665	Fishermans Channel Light 9	RELOCATED FOR DREDGING	11468	167-15 MIA	18/15
10665	Fishermans Channel Light 9	TRLB	11468	019-14 MIA	03/14
10675	Lummus Island Turning Basin Light A	DISCONTINUED FOR DREDGING	11468	231-15 MIA	28/15
10675	Lummus Island Turning Basin Light A	TRLB	11468	038-14 MIA	06/14
10680	Lummus Island Turning Basin Light B	DISCONTINUED FOR DREDGING	11468		01/15
10680	Lummus Island Turning Basin Light B	TRLB	11468	181-14 MIA	17/14
10680.7	Lummus Island Turning Basin Light E	DISCONTINUED FOR DREDGING	11468	196-15 MIA	21/15
10680.7	Lummus Island Turning Basin Light E	TRLB	11468	038-14 MIA	06/14
10685	Fishermans Channel Light 11	TRLB	11468	038-14 MIA	06/14
10740	Miami Main Channel Light 19	TRLB	11468	038-14 MIA	06/14

10745	Miami Main Channel Light 20	DISCONTINUED FOR DREDGING	11468	329-14 MIA	40/14
11130	Caesar Creek Daybeacon 30	RELOCATED	11463	110-16 MIA	22/16
11130	Caesar Creek Daybeacon 30	TRLB	11463	110-16 MIA	22/16
11800	Largo Sound Channel Daybeacon 7	TRLB	11464		11/16
11890	Mosquito Bank Light 35	TRLT	11464		41/15
12065	Tavernier Creek Light	TRLT	11464	037-16 KWT	25/16
14650	Safe Harbor Channel Light 3	TRLB	11441		34/16
14820	Key West Main Channel Range Rear Light	Other	11447	057-16 KWT	35/16
17450	Gordon Pass Shoal Light	DISCONTINUED FOR DREDGING	11430	1035-16 STP	38/16
17453	Gordon Pass Channel Daybeacon 1	DISCONTINUED FOR DREDGING	11430	1035-16 STP	38/16
17455	Gordon Pass Channel Light 2	TRLB	11430	266-16 STP	10/16
17460	Gordon Pass Channel Light 3	TRLB	11430	702-16 STP	26/16
18520	North Estero Bay Daybeacon 7	TRUB	11427	143-16 STP	06/16
19500	Spring Creek Daybeacon 46	TRUB	11427		20/16
19905	**Gasparilla Island Light**	**DISCONTINUED**	**11425**	1081-16 STP	**40/16**
21570.1	North Siesta Key Daybeacon 1	TRUB	11425	N/A	08/16
21590	New Pass Channel Buoy 1	DISCONTINUED	11425	302-16 STP	13/16
21595	New Pass Channel Buoy 2	DISCONTINUED	11425	302-16 STP	13/16
21600	New Pass Channel Buoy 3A	DISCONTINUED	11425	302-16 STP	13/16
21603	New Pass Channel Buoy 4	DISCONTINUED	11425	302-16 STP	13/16
21605	New Pass Channel Buoy 5	DISCONTINUED	11425	302-16 STP	13/16
21610	New Pass Channel Buoy 5A	DISCONTINUED	11425	302-16 STP	13/16
21757	Longboat Pass Daybeacon 1	TRUB	11425	1103-14 STP	48/14
21758	Longboat Pass Daybeacon 2	TRUB	11425	499-14 STP	20/14
22285	Egmont Channel Range Rear Light	Reduced Intensity	11411	378-16 STP	13/16
22355	Mullet Key Channel Range Front Light	TRUB	11415		32/15
23560	Sparkman Channel Light 5	TRLB	11416	742-13 STP	33/13
23595	Port Sutton Channel Light 3	TRLB	11416	289-16 STP	10/16
23725	Tampa Bay Cut J Channel Outbound Range Rear Light	TRLT	11416	579-16 STP	23/16
23820	Weedon Island Channel Lighted Buoy 4	TRUB	11416	N/A	23/16
25730	Clearwater Marina Channel Light 2	DISCONTINUED	11411	640-15 STP	27/15
26070	Anclote Anchorage South Entrance Light 1	TRLB	11411		38/16
26085	Anclote Anchorage South Entrance Daybeacon 5	DISCONTINUED	11411	949-14 STP	42/14
26085	Anclote Anchorage South Entrance Daybeacon 5	TRUB	11411	949-14 STP	42/14
26095	Anclote Anchorage South Entrance Daybeacon 6	DISCONTINUED	11411	949-14 STP	42/14
26110	Anclote Anchorage North Entrance Light 2	TRLB	11411		38/16
26240	Anclote River Daybeacon 21	TRUB	11411	436-16 STP	15/16
28775	Crystal River Entrance Light 1	TRLB	11408	110-16 STP	05/16
28830	Crystal River Entrance Daybeacon 10	TRLB	11408	985-16 STP	36/16
28845	Crystal River Entrance Daybeacon 12	TRUB	11408	836-16 STP	32/16

29205	Cross Florida Greenway Light 20	TRLB	11408	962-16 STP	37/16
29235	Cross Florida Greenway Light 21	TRLB	11408	962-16 STP	37/16
29410	Withlacoochee River Entrance Daybeacon 8	TRLB	11408	987-16 STP	36/16
29435	Withlacoochee River Entrance Daybeacon 12	TRLB	11408	987-16 STP	36/16
29440	Withlacoochee River Entrance Daybeacon 13	TRUB	11408	694-16 STP	25/16
29470	Withlacoochee River Entrance Light 18A	TRLB	11408	987-16 STP	36/16
29480	Withlacoochee River Entrance Daybeacon 20	TRLB	11408	987-16 STP	36/16
29650	Withlachoochee River Daybeacon 46	TRUB	11408	831-14 STP	36/14
29855	Cedar Keys Main Channel Daybeacon 31	TRLB	11408	815-16 STP	30/16
29895	Cedar Keys South Bar Channel Light 2	TRLB	11408	994-16 STP	36/16
29905	Cedar Keys South Bar Channel Daybeacon 5	TRLB	11408	994-16 STP	36/16
30581	Steinhatchee River Daybeacon 50	TRLB	11407	862-14 STP	37/14
30605	Keaton Beach Daybeacon 3	TRLB	11407	502-15 STP	18/15
31155	Cabo San Juan Light	Reduced Intensity	25667	169-16 SJN	39/16
31755	Puerto Yabucoa Channel Lighted Buoy 2	TRUB	25661	N/A	08/16
31770	Puerto Yabucoa Channel Light 6	TRLB	25661	N/A	08/16
32110	Bahia De Guayanilla Lighted Buoy 6	TRLB	25681	142-15 SAJ	38/15
33415	St Nicolas Point Channel Light 7	TRLB	26230		01/16
33750	Little River-Winyah Bay Daybeacon 27	TRUB	11534	248-14 CHA	36/14
34355	Winyah Bay-Charleston Harbor Daybeacon 73	TRUB	11518	328-14 CHA	44/14
34620	Wappoo Creek Daybeacon 6	TRUB	11524	258-16 CHA	38/16
34630.5	Stono River Daybeacon 18	TRUB	11518	138-16 CHA	24/16
34955	Dawho River Daybeacon 112	TRUB	11517	127-16 CHA	22/16
35700	Skull Creek Daybeacon 20	TRLB	11507	254-16 CHA	37/16
35780	May River Daybeacon 11	TRUB	11516	213-16 CHA	32/16
36085	Skidaway River Daybeacon 44A	TRUB	11507	147-16 CHA	26/16
36515	North Newport River Light 123	TRLB	11507	117-15 CHA	16/15
36630	Sapelo Sound Daybeacon 136A	TRUB	11507	208-14 JAX	30/14
36640	Sapelo Sound Light 142	TRLB	11507	148-15 CHA	23/15
36826.1	Darien River Daybeacon 8	TRUB	11507	134-15 CHA	20/15
37313	Jekyll Creek Light 11	TRLB	11489	244-16 CHA	36/16
37363	Jekyll Creek Daybeacon 26	TRLB	11489	245-16 CHA	36/16
37370	Jekyll Creek Light 29	TRLB	11489	178-16 CHA	28/16
38035	Kingsley Creek Cut Daybeacon 18	TRUB	11489		51/15
38165	South Amelia River Light 46	TRLB	11489	263-15 JAX	47/15
38350	Pablo Creek Light 1	DISCONTINUED FOR DREDGING	11491	N/A	34/16
38350	Pablo Creek Light 1	TRLB	11491	N/A	34/16
38360	Pablo Creek Light 5	DISCONTINUED FOR DREDGING	11491	101-16 JAX	17/16
38360	Pablo Creek Light 5	RELOCATED FOR DREDGING	11491	101-16 JAX	17/16
38360	Pablo Creek Light 5	TRUB	11491	101-16 JAX	17/16

38365	Pablo Creek Light 6	DISCONTINUED FOR DREDGING	11491	101-16 JAX	17/16
38365	Pablo Creek Light 6	RELOCATED FOR DREDGING	11491	101-16 JAX	17/16
38365	Pablo Creek Light 6	TRUB	11491	101-16 JAX	17/16
38370	Pablo Creek Daybeacon 7	DISCONTINUED FOR DREDGING	11489	101-16 JAX	17/16
38370	Pablo Creek Daybeacon 7	RELOCATED FOR DREDGING	11489	101-16 JAX	17/16
38370	Pablo Creek Daybeacon 7	TRUB	11489	101-16 JAX	17/16
39755	Silver Lake Light 13	TRLB	11485		35/16
40820	New Smyrna Beach Daybeacon 55	TRUB	11485	231-15 JAX	41/15
40870	New Smyrna Beach Daybeacon 68	TRUB	11485	255-15 JAX	46/15
42500	Banana River Daybeacon 6B	TRUB	11472	068-16 JAX	12/16
42590	Banana River Daybeacon 24	TRUB	11481	203-14 JAX	30/14
44820	Indian River (South Section) Daybeacon 168A	TRUB	11472	174-16 MIA	35/16
45105	Taylor Creek Channel Daybeacon 4	TRUB	11475	168-16 MIA	33/16
46055	Peck Lake Daybeacon 20	TRUB	11472	185-16 MIA	37/16
46375	Lake Worth Creek Daybeacon 7	TRUB	11472	128-16 MIA	26/16
47485	Port Everglades Turning Basin Light 11	TRLB	11470	095-16 MIA	18/16
47705	Dumfoundling Bay Daybeacon 51	TRUB	11467	183-16 MIA	37/16
48030	Miami Beach Channel Daybeacon 14	TRLB	11467	158-16 MIA	30/16
48925	Dinner Key Channel Daybeacon 3	TRLB	11465	081-16 MIA	15/16
51350	Clewiston Channel (Rt 1B) Daybeacon 14	TRUB	11428	363-15 MIA	01/16
55125	Matlacha Pass Daybeacon 51	TRUB	11426		18/16
57320	**Lemon Bay Channel Daybeacon 18**	**TRUB**	**11425**	1091-16 STP	**40/16**
58485	**Siesta Key-Tampa Bay Light 8**	**TRLB**	**11425**	1077-16 STP	**40/16**
61555	The Narrows Daybeacon 20	TRUB	11411	904-16 STP	34/16

TEMPORARY CHANGES CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
6685	St Marys Daybeacon S	LWP	11503	N/A	28/16	
25470	Pass-A-Grille Channel Daybeacon 3	No Longer Required	11411		38/16	40/16
47725	Dumfoundling Bay Daybeacon 54	No Longer Required	11467		52/15	18/17

PLATFORM TEMPORARY CHANGES

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

PLATFORM TEMPORARY CHANGES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

SECTION IV - CHART CORRECTIONS

This section contains corrections to federally and privately maintained Aids to Navigation, as well as NOS corrections.

This section contains corrective actions affecting chart(s). Corrections appear numerically by chart number, and pertain to that chart only.
It is up to the mariner to decide which chart(s) are to be corrected. The following example explains individual elements of a typical chart correction.

Chart Number	Chart Edition	Edition Date	Last Local Notice to Mariners	Horizontal Datum Reference	Source of Correction	Current Local Notice to Mariners
12327	91st Ed.	19-APR-97	Last LNM: 26/97	NAD 83		27/97

Chart Title: NY-NJ-NEW YORK HARBOR - RARITAN RIVER

Main Panel 2245 NEW YORK HARBOR CGD01

	Corrective Action	Object of Corrective Action	Position
(Temp)	ADD	NATIONAL DOCK CHANNEL BUOY 3 Green can	at 40-41-09.001N 074-02-48.001W

(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 (NM) unless otherwise noted.

11400 36th Ed. 01-JAN-06 Last LNM: 38/16 NAD 83 40/16

ChartTitle: **Tampa Bay to Cape San Blas**

Main Panel 177 TAMPA BAY TO CAPE SAN BLAS. Page/Side: N/A

	DELETE	Cross Florida Barge Canal Approach Lighted Buoy 2	CGD07 28-55-23.909N	083-11-45.441W

11408 30th Ed. 01-MAR-15 Last LNM: 32/16 NAD 83 40/16

ChartTitle: **Crystal River to Horseshoe Point;Suwannee River;Cedar Keys**

CHART FL-CRYSTAL RIVER TO HORSESHOE POINT. Page/Side: N/A

	DELETE	Cross Florida Barge Canal Approach Lighted Buoy 2	CGD07 28-55-23.909N	083-11-45.441W

11409 30th Ed. 01-AUG-13 Last LNM: 38/16 NAD 83 40/16

ChartTitle: **Anclote Keys to Crystal River**

Main Panel 174 ANCLOTE KEYS TO CRYSTAL RIVER. Page/Side: N/A

	DELETE	Cross Florida Barge Canal Approach Lighted Buoy 2	CGD07 28-55-23.909N	083-11-45.441W

11425 39th Ed. 01-MAY-13 Last LNM: 38/16 NAD 83 40/16

ChartTitle: **Intracoastal Waterway Charlotte Harbor to Tampa Bay**

CHART FL-ICW-CHARLOTTE HARBOR TO TAMPA BAY. Page/Side: N/A

	RELOCATE	Venice Inlet-Siesta Key Daybeacon 64A	CGD07 from 27-15-34.157N to 27-15-35.043N	082-32-06.290W 082-32-07.527W
(Temp)	CHANGE	Gasparilla Island Light Light temporarily extinguished until 1 Nov 16.	CGD07 at 26-44-31.275N	082-15-48.377W
(Temp)	CHANGE	Lemon Bay Channel Daybeacon 18 TRUB	CGD07 at 26-54-33.984N	082-20-01.844W
(Temp)	CHANGE	Siesta Key-Tampa Bay Light 8 TRLB	CGD07 at 27-19-16.963N	082-33-10.090W

11426 39th Ed. 01-NOV-15 Last LNM: 38/16 NAD 83 40/16

ChartTitle: **Estero Bay to Lemon Bay, including Charlotte Harbor;Continuation of Peace River**

CHART FL-ESTERO BAY TO LEMON BAY INCLUDING CHARLOTTE HARBOR. Page/Side: N/A

(Temp)	CHANGE	Gasparilla Island Light Light temporarily extinguished until 1 Nov 16.	CGD07 at 26-44-31.275N	082-15-48.377W

11467 43rd Ed. 01-JAN-12 Last LNM: 38/16 NAD 83 40/16

ChartTitle: **Intracoastal Waterway West Palm Beach to Miami**

CHART FL- ICW - WEST PALM BEACH TO MIAMI. Page/Side: N/A

	RELOCATE	Delray Beach Shoal Buoy	CGD07 from 26-25-53.724N to 26-25-53.385N	080-03-53.578W 080-03-53.570W

11506 45th Ed. 01-AUG-12 Last LNM: 33/16 NAD 83 40/16

ChartTitle: **St. Simons Sound, Brunswick Harbor and Turtle River**

Main Panel 246 ST SIMONS SOUND BRUNSWICK HARBOR & TURTLE RIVER. Page/Side: N/A

(Temp)	CHANGE	Turtle River Lower Range Front Light TRLB Q W	CGD07 at 31-07-54.974N	081-31-40.808W

11510 20th Ed. 01-SEP-07 Last LNM: 19/16 NAD 83 40/16

ChartTitle: **Sapelo and Doboy Sounds**

Main Panel 244 SAPELO AND DOBOY SOUNDS. Page/Side: N/A

(Temp)	DELETE	Sapelo River Daybeacon 10 (Disestablished due to shoal)	CGD07 31-31-50.940N	081-21-21.060W
(Temp)	DELETE	Sapelo River Daybeacon 8 (Disestablished due to shoal)	CGD07 31-32-01.620N	081-20-51.000W
(Temp)	ADD	SAPELO RIVER TRUB 5A (Due to shoal)	CGD07 at 31-32-43.672N	081-20-31.546W
(Temp)	ADD	SAPELO RIVER TRUB 5B (Due to shoal)	CGD07 at 31-32-33.161N	081-20-41.007W
(Temp)	ADD	SAPELO RIVER TRUB 8 (Due to shoal)	CGD07 at 31-32-00.904N	081-21-47.190W
(Temp)	ADD	Sapelo River TRUB 10 (Due to shoal)	CGD07 at 31-31-49.809N	081-21-31.431W

25681 18th Ed. 01-DEC-11 Last LNM: 51/15 NAD 83 40/16

ChartTitle: **Bahia de Guayanilla and Bahia de Tallaboa**

Main Panel 407 BAHIA DE GUAYANILLA AND BAHIA DE TALLABOA. Page/Side: N/A

	CHANGE	Bahia De Guayanilla Lighted Buoy 6 to 5M	CGD07 at 17-59-12.179N	066-46-02.130W

SECTION V - ADVANCE NOTICES

This section contains advance notice of approved projects, changes to aids to navigation, or upcoming temporary changes such as dredging, etc. Mariners are advised to use caution while transiting these areas.

SUMMARY OF ADVANCED APPROVED PROJECTS

Approved Project(s) **Project Date** **Ref. LNM**

None

Advance Notice(s)

SEACOAST – FLORIDA – BETHEL SHOAL TO JUPITER INLET

The following changes have been proposed to the Aids to Navigation System off the Florida coast:

Capron Shoal Buoy 10A (LLNR 680) will be permanently discontinued
Chart 11474 LNM: 25/16

STRAITS OF FLORIDA – FOWEY ROCKS TO ALLIGATOR REEF

The following change has been approved to the Aids to Navigation system in the Straits of Florida:

Pacific Reef Light (LLNR 935) optic to be upgraded to a more reliable LED (Light-emitting diode) lantern and the nominal range reduced to 7NM.
Charts: 411 11013 11450 11460 11462 11465 11466 11469 LNM: 33/14

STRAITS OF FLORIDA – ALLIGATOR REEF TO SOMBRERO KEY

The following changes have been approved to the Aids to Navigation system in the Straits of Florida: Ref: LNM 51/15

Tennessee Reef Light (LLNR 990) optic to be upgraded to a more reliable LED (Light-emitting diode) lantern and the nominal range reduced to 7NM

Charts: 411 11013 11420 11449 11450 11460 11462 LNM: 33/14

STRAITS OF FLORIDA – ALLIGATOR REEF TO SOMBRERO KEY-TENNESSEE REEF

The following change has been approved to the Aids to Navigation system in the Straits of Florida:

Change Coffins Patch Light 20 (LLNR 995) from 6NM nominal range to 5NM nominal range

Charts: 11420 11449 11450 11451 11452 11453 11460 LNM: 45/15

GULF OF MEXICO – FLORIDA – CRYSTAL RIVER TO HORSESHOE

The following changes have been proposed to the Aids to Navigation System in the Gulf of Mexico:

Cross Florida Barge Canal Approach Lighted Buoy 2 (LLNR 1610) will be permanently discontinued
Chart 11408 LNM: 25/16

GEORGIA – SAVANNAH RIVER – CITY FRONT CHANNEL

The following change has been approved to the Aids to Navigation System in the Savannah River:

City Front Channel Light 62 (LLNR 5025) will be permanently discontinued
Chart 11514 LNM: 21/16

FLORIDA - AMELIA ISLAND TO ST AUGUSTINE - JACKSONVILLE: JACKSONVILLE OFFSHORE ANCHORAGE

The Coast Guard has approved the following change to the anchorage area encompassed within the following points: starting at Point 1 in position 30°29.08'N, 81°18.21'W; thence south to Point 2 in position 30°26.06 N, 81°18.21'W; thence east to Point 3 in position 30°26.06'N, 81°16.05'W; thence north to Point 4 in position 30°29.08'N, 81°16.05'W; thence west back to origin. All coordinates are North American Datum 1983.
Chart 11488 LNM: 16/16

FLORIDA – PORT CANAVERAL HARBOR – CANAVERAL HARBOR

The Coast Guard has approved the following change to the Aids to Navigation system in Port Canaveral Harbor, due to new channel characteristics based off the Army Corps of Engineers dredging project. The following are the approved changes:

Completed - Ref: LNM 21/16
-Canaveral Harbor Approach Channel LB 9 (LLNR 9615) with Fl 2.5s, 5M characteristics and relocated to 28-24-08.144N/080-33-58.351W
-Canaveral Harbor Entrance Channel LB 11 (LLNR 9640) with Fl Q G, 4M characteristics and relocated to 28-24-21.185N/080-34-20.712W
-Canaveral Harbor Entrance Channel LB 13 (9650) relocated to 28-24-29.396N/080-34-46.001W
-Canaveral Harbor Entrance Channel LB 14A (LLNR 9685.5) relocated to 28-24-38.348N/080-36-09.141W
-Canaveral Harbor Entrance Channel LB 15 (LLNR 9690) on AP.
-Canaveral Harbor Entrance Channel LB 19 (LLNR 9705) relocated to 28-24-32.792N/080-37-14.173W

Completed - Ref: LNM 20/16
-East Basin Light 2 (LLNR 9670) relocated and renamed Canaveral Harbor Entrance Channel Light 12A with Fl R 2.5s characteristics and 5NM in position 28-24-38.720N/080-35-21.704W
-Canaveral Harbor Entrance Channel Lighted Buoy 12 (LLNR 9645) relocated to 28-24-37.819N/080-35-01.529W
-Canaveral Harbor Entrance Channel Light 14 (LLNR 9655) with Fl R 4s characteristics and 5NM relocated to 28-24-38.820N/080-35-36.984W

Additionally, the Canaveral Harbor Entrance Channel Ranges will be converted to LED optics, converted to a 24 hr, day-night range, dayboards removed, and relocated to the following positions:

Relocate Canaveral Harbor Entrance Channel Range Front Light (LLNR 9630) to position: 28 24' 35.79"N / 080 37' 36.82"W. The light characteristics will be changed to Fl G 2.5s

Relocate Canaveral Harbor Entrance Channel Range Rear Light (LLNR 9635) to position: 28 24' 35.91"N / 080 38' 02.58"W. The light characteristics will remain Iso G 6s

Chart 11478 LNM: 16/16

FLORIDA – ST JOHNS RIVER – LAKE GEORGE

The following changes have been approved to the Aids to Navigation system in the St Johns River – Lake George:

Lake George South End Range Front Light (LLNR 8775) to Lake George Light14 displaying Fl R 2.5s, 5NM, TR on a pile (lateral aid)

Lake George South End Range Rear Light (LLNR 8780) will be permanently discontinued

Chart 11495 LNM: 51/14

FLORIDA – MIAMI HARBOR– MIAMI MAIN CHANNEL

The Coast Guard is conducting a Focused Waterway Analysis and Management System (WAMS) study of Miami Main Channel through the jetties. The study focuses on the area's aid to navigation systems, waterborne commerce, marine casualty information, port/harbor resources, and future development projects. Any interested company or individual wishing to provide comments or participate in a user survey should use the following link: https://www.surveymonkey.com/r/MiamiMainChannel. Comments can also be emailed to D07-SMB-DPWPublicComments@uscg.mil. Hard copy comments can be mailed to U.S. Coast Guard, Sector Miami, Attn: Waterways Management, Miami Beach, FL, 33139.

The comment period will end on 05 November, 2016.

Chart 11468 LNM: 40/16

FLORIDA –TAMPA BAY TO PORT RICHEY – ANCLOTE RIVER WAMS STUDY

The Coast Guard is conducting a Waterway Analysis and Management System (WAMS) study of Anclote River. The study focuses on the area's anchorage, aid to navigation system, waterborne commerce, marine casualty information, port/harbor resources, and future development projects. Any interested company or individual wishing to provide comments or participate in a user survey should use the following link: https://www.surveymonkey.com/r/AncloteRiverWAMS or contact:
Commander, Sector St. Petersburg, 600 8th Ave, S.E. St. Petersburg, FL 33701, Attn: BOSN Darren Pauly at (813) 228-2191, ext. 8184. E-mail to darren.a.pauly@uscg.mil. The comment period will end on 14 October, 2016.

Charts: 11409 11411 11412 LNM: 32/16

WEST INDIES – PUERTO RICO – PUNTA PENON TO PUNTA TALEGA

The following change has been approved to the Aids to Navigation system in Puerto Rico:

Arecibo Light (LLNR 30720) will have an optic upgrade to a more reliable LED (Light-emitting diode) lantern. The light will display the published characteristics with a reduction in nominal range to 11NM.

Chart 25668 LNM: 40/15

WEST INDIES – ST. CROIX – CHRISTIANSTED HARBOR:

The following change has been approved to the Aids to Navigation system in Christiansted Harbor Channel.

Lighted Buoy 12 (LLNR 32925) will be relocated 25 yards WNW to position 17-45-16.9N, 064-42-01.9W. This change is based on waterway user needs to better mark edge of the channel.

Chart 25645 LNM: 42/15

SOUTH CAROLINA – AICW– MYRTLE GROVE SOUND AND CAPE FEAR TO CASINO CREEK– LITTLE RIVER – WINYAH BAY

The following change has been approved to the Aids to Navigation System in the Little River:

Little River-Winyah Bay Daybeacon 27 (LLNR 33750) will be permanently discontinued

Chart 11534 LNM: 21/16

SOUTH CAROLINA - AICW - CASINO CREEK TO BEAUFORT RIVER - WINYAH BAY- CHARLESTON HARBOR

The following change has been approved to the Aids to Navigation System in Winyah Bay:

Winyah Bay-Charleston Harbor Daybeacon 73 (LLNR 34355) will be permanently discontinued

Chart 11518 LNM: 21/16

FLORIDA – FORT MYERS TO CHARLOTTE HARBOR AND WIGGINS PASS WAMS STUDY

The Coast Guard is conducting a focused Waterway Analysis and Management System (WAMS) study of the mooring area adjacent to Fort Myers Beach. The study focuses on the area's managed mooring field, aid to navigation system, waterborne commerce, marine casualty information, port/harbor resources, and future development projects. Any interested company or individual wishing to provide comments or participate in a user survey should use the following link: https://www.surveymonkey.com/r/FortMyersBeachAnchorage or contact:
Commander, Sector St. Petersburg, 600 8th Ave, S.E. St. Petersburg, FL 33701, Attn: BOSN Darren Pauly at (813) 228-2191, ext. 8184. E-mail to darren.a.pauly@uscg.mil. The comment period will end on 19 September, 2016. (Ref: LNM 25/16 31/16 for Comment Period)

Chart 11427 LNM: 21/16

SECTION VI - PROPOSED CHANGES

Periodically, the Coast Guard evaluates its system of aids to navigation to determine whether the conditions for which the aids to navigation were established have changed. When changes occur, the feasibility of improving, relocating, replacing, or discontinuing aids are considered. This section contains notice(s) of non-approved, proposed projects open for comment. SPECIAL NOTE: Mariners are requested to respond in writing to the District office unless otherwise noted (see banner page for address).

PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT

Proposed Project(s)	Closing	Docket No.	Ref. LNM
None			

Proposed Change Notice(s)

SOUTH CAROLINA – COOPER RIVER

The following changes have been proposed to the Aids to Navigation System in the Cooper River:

Permanently discontinue West Branch Obstruction Daybeacon (LLNR 3280)

All comments should be emailed to: D07-SMB-DPWPublicComments@uscg.mil with Cooper River Proposed Changes as the subject line and be received by 21 October 2016. Comments can also be mailed to Commander (DPW), Seventh Coast Guard District 909 SE 1st Avenue (STE 406) Brickell Federal Plaza Bldg Miami FL 33131.

Chart 11527 LNM: 38/16

SOUTH CAROLINA – STONO AND NORTH EDISTO RIVERS – STONO INLET

The following changes have been proposed to the Aids to Navigation System in the Stono River:

Permanently discontinue Stono Inlet Bar Lighted Buoy 5 (LLNR 3720) and Stono Inlet Buoy 6 (LLNR 3275)

All comments should be emailed to: D07-SMB-DPWPublicComments@uscg.mil with Stono Inlet Proposed Changes as the subject line and be received by 21 October 2016. Comments can also be mailed to Commander (DPW), Seventh Coast Guard District 909 SE 1st Avenue (STE 406) Brickell Federal Plaza Bldg Miami FL 33131.

Chart 11522 LNM: 38/16

FLORIDA – PALM SHORES TO WEST PALM BEACH – ST LUCIE INLET

The U.S. Coast Guard is proposing to convert the following temporary buoy to a permanent aid.

St. Lucie River Daybeacon 12 (LLNR 10155) was Temporarily Replaced by Unlighted Buoy (TRUB). The U.S. Coast Guard is proposing to establish the TRUB as a permanent floating aid, to be located in the same position. The new aid will be named St. Lucie River Buoy 12 (LLNR 10155).

Chart 11472 LNM: 32/16

FLORIDA – TAMPA BAY TO PORT RICHEY - DOUBLE HAMMOCK CREEK: Potentially Abandoned Private Aids to Navigation.

The following Private Aids to Navigation are discrepant and the owner of record is unresponsive. It is a condition of the Coast Guard authorization for Private Aids to Navigation to keep current contact information on file with the Coast Guard District Waterways Management office. The Seventh District Commander is seeking information to establish current ownership of these aids. If ownership cannot be established within 45 days from the publication of this notice, these aids will be considered abandoned and will be required to be removed. Please contact the Seventh Coast Guard District, Waterways Management Branch, Private Aids to Navigation Coordinator at (305) 415-6751 if you have contact information for the current owner of these aids.

Double Hammock Creek Approach Daybeacon 1 (LLNR 26820) through Double Hammock Creek Approach Daybeacon 25 (LLNR 26935)

Chart 11411 LNM: 31/16

WEST INDIES - PUERTO RICO: ADDING AIS SYNTHETICS

The U.S. Coast Guard is proposing to add an AIS Synthetic ATON mark to the following aids in the Sector San Juan AOR. The synthetic ATON would provide another resource to the mariner transiting these areas in the event a hurricane destroyed the physical aid. Ref: LNM 48/15

WEST INDIES – PUERTO RICO – BAHIA DE GUAYANILLA AND BAHIA DE TALLABOA – BAHIA DE TALLABOA, Chart: 25681
Bahia de Tallaboa Buoy 2 (LLNR 32010)
Bahia de Tallaboa Lighted Buoy 5 (LLNR 32020)

WEST INDIES – PUERTO RICO – BAHIA DE GUAYANILLA AND BAHIA DE TALLABOA – PPG INDUSTRIES, Chart: 25681
Bahia De Guayanilla Entrance Range Front Passing Light (LLNR 32070.5)

WEST INDIES – PUERTO RICO – BAHIA DE GUAYANILLA AND BAHIA DE TALLABOA – BAHIA DE GUAYANILLA, Chart: 25681
Bahia De Guayanilla Entrance Range Rear Light (LLNR 32075)
Bahia De Guayanilla Entrance Lighted Buoy 2 (LLNR 32085)
Bahia De Guayanilla Entrance Lighted Buoy 3 (LLNR 32090)

WEST INDIES – PUERTO RICO – BAHIA DE GUANICA, Chart: 25679

Bahia De Guanica Range Front Light (LLNR 32215)
Bahia De Guanica Range Rear Light (LLNR 32220)

LNM: 31/15

SOUTH CAROLINA – AICW - CASINO CREEK TO BEAUFORT RIVER – WADMALAW RIVER

The following changes have been proposed to the Aids to Navigation System in the Wadmalaw River:

Permanently discontinue Wadmalaw River Range A Rear Light (LLNR 34845) and converting Wadmalaw River Range A Front Light (LLNR 34840) to Wadmalaw River Light 78A.

All comments should be emailed to: D07-SMB-DPWPublicComments@uscg.mil with Wadmalaw River Proposed Changes as the subject line and be received by 20 September 2016. Comments can also be mailed to Commander (DPW), Seventh Coast Guard District 909 SE 1st Avenue (STE 406) Brickell Federal Plaza Bldg Miami FL 33131.

Chart 11518 LNM: 29/16

FLORIDA - AICW - PALM SHORES TO WEST PALM BEACH - CHANNEL 68 MARINA: Potentially Abandoned Private Aids to Navigation.

The following Private Aids to Navigation are discrepant and the owner of record is unresponsive. It is a condition of the Coast Guard authorization for Private Aids to Navigation to keep current contact information on file with the Coast Guard District Waterways Management office. The Seventh District Commander is seeking information to establish current ownership of these aids. If ownership cannot be established within 45 days from the publication of this notice, these aids will be considered abandoned and will be required to be removed. Please contact the Seventh Coast Guard District, Waterways Management Branch, Private Aids to Navigation Coordinator at (305) 415-6751 if you have contact information for the current owner of these aids.

Channel 68 Marina Daybeacon 1 (LLNR 43685.1) 27-48-39.000N / 080-27-39.000W
Channel 68 Marina Daybeacon 6 (LLNR 43685.6) 27-48-40.000N / 080-27-48.000W

Chart 11472 LNM: 38/16

FLORIDA – AICW – TOLOMATO RIVER TO PALM SHORES – BANANA RIVER

The U.S. Coast Guard is proposing to convert the fixed aids in the Banana River, south of the Canaveral Barge Canal, to floating aids. The current water depths prohibit the assigned maintenance vessel from repairing damage to the fixed piles. Upon becoming discrepant, these aids will be replaced with floating aids displaying similar characteristics.

All comments should be emailed to: D07-SMB-DPWPublicComments@uscg.mil with Banana River Proposed Changes as the subject line. Comments can also be mailed to Commander (DPW), Seventh Coast Guard District 909 SE 1st Avenue (STE 406) Brickell Federal Plaza Bldg Miami FL 33131.

Chart 11485 LNM: 24/16

FLORIDA – ST LUCIE INLET TO FORT MYERS AND LAKE OKEECHOBEE – CALOOSAHATCHEE RIVER: Potentially Abandoned Private Aids to Navigation.

The following Private Aids to Navigation are discrepant and the owner of record is unresponsive. It is a condition of the Coast Guard authorization for Private Aids to Navigation to keep current contact information on file with the Coast Guard District Waterways Management office. The Seventh District Commander is seeking information to establish current ownership of these aids. If ownership cannot be established within 45 days from the publication of this notice, these aids will be considered abandoned and will be required to be removed. Please contact the Seventh Coast Guard District, Waterways Management Branch, Private Aids to Navigation Coordinator at (305) 415-6751 if you have contact information for the current owner of these aids.

Powell Creek Daybeacon 1 (LLNR 52615) 25-40-49.394N / 081-52-33.340W
Powell Creek Daybeacon 2 (LLNR 52620) 26-40-49.254N / 081-52-33.309W

Chart 11428 LNM: 38/16

FLORIDA - AICW - CHARLOTTE HARBOR TO TAMPA BAY - GASPARILLA SOUND CHANNEL

The following changes have been proposed to the Aids to Navigation System in the Gasparilla Sound Channel:

Permanently discontinue Gasparilla Sound Channel Daybeacon 22 (LLNR 57025).

All comments should be emailed to: D07-SMB-DPWPublicComments@uscg.mil with Gasparilla Sound Channel Proposed Changes as the subject line and be received by 27 October 2016. Comments can also be mailed to Commander (DPW), Seventh Coast Guard District 909 SE 1st Avenue (STE 406) Brickell Federal Plaza Bldg Miami FL 33131.

Chart 11425 LNM: 39/16

FLORIDA – GIWW - TAMPA BAY TO PORT RICHEY – KLOSTERMANS BAYOU APPROACH: Potentially Abandoned Private Aids to Navigation.

The following Private Aids to Navigation are discrepant and the owner of record is unresponsive. It is a condition of the Coast Guard authorization for Private Aids to Navigation to keep current contact information on file with the Coast Guard District Waterways Management office. The Seventh District Commander is seeking information to establish current ownership of these aids. If ownership cannot be established within 45 days from the publication of this notice, these aids will be considered abandoned and will be required to be removed. Please contact

the Seventh Coast Guard District, Waterways Management Branch, Private Aids to Navigation Coordinator at (305) 415-6751 if you have contact information for the current owner of these aids.

Klostermans Bayou Approach Daybeacon 1 (LLNR 62125) through Daybeacon 8 (LLNR 62160)

Chart 11411 LNM: 35/16

SECTION VII - GENERAL

This section contains information of general concern to the Mariners. Mariners are advised to use caution while transiting these areas.

SEACOAST FLORIDA - JUPITER INLET TO FOWEY ROCKS - PORT EVERGLADES: Hazard to Navigation.

Port Everglades Spoil Bank East Daybeacon (LLNR 805) the steel pile is missing dayboards and may pose a hazard to navigation. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11466 LNM: 40/16

STRAITS OF FLORIDA AND APPROACHES-STRAITS OF FLORIDA: Flows through the Straits of Florida, (7) Underwater Research Mooring Buoys, 2012-2015 (Potential Hazard to Navigation) UPDATE: August 19, 2016

The U.S. Department of State Bureau of Oceans and International Environmental and Scientific Affairs have approved the install of (7) Research Mooring Buoys stretching roughly from the Florida Keys to Cuba. Moorings labeled EFL5, EFL6 and EFL7 fall within the US Exclusive Economic Zone. The program aimed at measuring the flows between Cuba and Florida. The Research Vessel B/O Justo Sierra will be conducting marine scientific research studying the measurement of inflows/outflows of the Gulf and currents/temperatures. The research apparatus is anchored by a 2000lb weight and held vertical by a flotation balloon at 130ft below the surface. Mariners are to avoid close proximity, or any other interference of these buoy's data gathering function.

Location of moorings deployed during CANEK39, August 2016 (Ref: LNM 34/16)
(EFL1) 23°18.994N 81°05.983W
(EFL2) 23°29.947N 81°09.046W
(EFL3) 23°40.220N 81°11.791W
(EFL4) 23°50.074N 81°14.527W
(EFL5) 24°01.393N 81°17.578W
(EFL6) 24°08.790N 81°19.354W
(EFL7) 24°24.126N 81°23.755W

LNM: 43/12

STRAITS OF FLORIDA - FOWEY ROCKS TO ALLIGATOR REEF: Hazard to Navigation (UPDATE: September 10, 2015)

The U.S. Coast Guard received a report in 2013 of a S/V allision with Pacific Reef Light (LLNR 935). **The vessel was located approximately 250 yards west of the structure and has 6ft of mast protruding above the water.**The area surrounding the structure is a hazard to navigation. Mariners are urged to avoid the area. (Ref: LNM 50/13, 37/15)

Pacific Reef Light (LLNR 935) is extinguished. The aid was deemed unsafe to climb due to severe deterioration to the structure and ladder. A Temporary Light (TRLT) with Fl Q W characteristics, with a 4NM range was placed on the NE corner of the aid approximately 8ft above the waterline. The TRLT may not be visible from certain angles depending on the mariners approach. Mariners are advised to use extreme caution while transiting the area. Ref: LNM 32/15

Chart 11462 LNM: 50/13

STRAITS OF FLORIDA-FOWEY ROCKS TO ALLIGATOR REEF-THE ELBOW: Hazard to Navigation. (UPDATE: January 26, 2015)

Elbow Reef Light (LLNR 950) is extinguished and missing all daymarks. The aid is deemed unsafe to climb due to severe deterioration to the structure and the ladder. A Temporary Light (TRLT) with Fl Q W characteristics has been affixed to the damaged structure approxiamately 15 ft above the waterline, with a decrease in nominal range to 4 NM. The TRLT may not be visible from certain angles depending on the mariners approach. Mariners are advised to exercise extreme caution while transiting the area.
Ref: LNM 04/16

Chart 11462 LNM: 09/14

STRAITS OF FLORIDA - SOMBRERO KEY TO DRY TORTUGAS: Hazard to Navigation. (UPDATE: August 16, 2016)

Pelican Shoal Light 26 (LLNR 1020) is destroyed. The steel pile poses a hazard to navigation. Wreckage is marked with a TRLB WR26, Fl Q R characteristics. Mariners are advised to use extreme caution while transiting the area. Ref: LNM 34/16

Chart 11434 LNM: 33/16

FLORIDA - GULF OF MEXICO - ESTERO BAY TO LEMON BAY: Temporary Extinguish Gasparilla Island Light.

On September 29th, 2016, the Coast Guard will temporarily extinguish the Gasparilla Island Light (LLNR 1310/19905) in an effort to prevent sea turtles from becoming disoriented. This is a temporary measure to protect endangered and nesting sea turtles in the Gasparilla area. The Light will be relit following the end of turtle season, November 1st, 2016.

Charts: 11425 11426 LNM: 40/16

FLORIDA – GULF OF MEXICO - LEMON BAY TO PASSAGE KEY INLET - NEW PASS IN SARASOTA COUNTY: Shoaling.

The U.S. Coast Guard has temporarily removed all Federal Aids to Navigation from the NEW PASS ENTRANCE LIGHT NP (LLNR 1345/21585) to NEW PASS LIGHT 7 (LLNR 21620)

NEW PASS ENTRANCE LIGHT NP (LLNR 1345/21585) has been temporarily discontinued and renamed NEW PASS SHOAL LIGHT and converted to a Danger Shoal marker with an Fl Q W light and 3NM.

NEW PASS CHANNEL LIGHT 7 (21620) has been temporarily discontinued and renamed NEW PASS INTERIOR SHOAL LIGHT and converted to a Danger Shoal marker with an Fl Q W light and 3NM.

The increased shoaling has created an unsafe situation and the U.S. Coast Guard can no longer mark "SAFE WATER". The following aids have been temporarily discontinued:

NEW PASS CHANNEL BUOY 1 (21590)
NEW PASS CHANNEL BUOY 2 (21595)
NEW PASS CHANNEL BUOY 3A (21600)
NEW PASS CHANNEL BUOY 4 (21603)
NEW PASS CHANNEL BUOY 5 (21605)
NEW PASS CHANNEL BUOY 5A (21610)

THE ENTRANCE CHANNEL IS SUBJECT TO CONTINUAL CHANGE. BUOYS ARE BEING REMOVED DUE TO INSUFFICIENT WATER. MARINERS ARE ADVISED TO AVOID NEW PASS AND SEEK ALTERNATE ROUTES TO AND FROM THE GULF OF MEXICO AND USE EXTREME CAUTION WHILE IN THIS AREA. FOLLOWING SUMMER DREDGE OPERATIONS, THE U.S. COAST GUARD WILL RETURN THE AIDS TO NAVIGATION BACK TO THEIR ASSIGNED POSITIONS.

Charts: 11424 11425 LNM: 13/16

FLORIDA - GULF OF MEXICO - TAMPA BAY AND ST JOSEPH SOUND: Hazard to Navigation.

Anclote Anchorage South Entrance Light 1 (LLNR 1535/26070) is destroyed. The remains of the steel pile may pose a hazard to navigation. Wreckage has been marked with a TRLB, Fl Q G, 4M. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11412 LNM: 38/16

FLORIDA - GULF OF MEXICO - TAMPA BAY AND ST JOSEPH SOUND: Hazard to Navigation.

Anclote Anchorage North Entrance Light 2 (LLNR 1560/26110) is destroyed. The remains of the steel pile may pose a hazard to navigation. Wreckage has been marked with a TRLB, Fl Q G, 4M. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11412 LNM: 38/16

FLORIDA - GULF OF MEXICO - CRYSTAL RIVER TO HORSESHOE POINT: Hazard to Navigation.

Keaton Beach Light 1 (LLNR 1675) is destroyed. The remains of the pile pose a hazard to navigation. Wreckage has been marked with a TRLB, Fl Q G, 4M and set 3 yards channelward in position 29-48-49.984N/083-37-43.672W. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11408 LNM: 38/16

SOUTH CAROLINA – CHARLESTON – COOPER RIVER: PHOENIX BULK US - Deck Barge and Ship on Location Discharging at the Hugh K. Leatherman, Sr. Terminal (HLT).

As part of the ongoing Hugh K. Leatherman Sr. Terminal for the South Carolina State Port Authority, Phoenix Bulk US will have a deck barge moored to the terminal side of the Dolphin piles and ships moored to the channel side of the Dolphin Piles (Centrally located at 32°50'15.38"N/ 79°55'58.36"W). Throughout the next 14-16 months ships will be discharging onto the deck barge. The deck barge and ships are equipped with proper marine lighting. -400' X 105' deck barge with 20'of freeboard moored on the terminal side of the Dolphin Piles. The ships are approximately 656' x 105' with freeboard ranges throughout the discharge. The deck barge and ships will be on location until roughly December of 2017.

All Mariners are urged to use caution throughout this area and requested to operate with minimum wake. Operations will be ongoing 24/7. Vessel bunkering operations will occasionally take place. For further information please contact the Project Port Captain Hunter Sperry (401) 457-9565 EXT: 9565

Chart 11524 LNM: 39/16

SOUTH CAROLINA – CHARLESTON HARBOR - COOPER RIVER: Dredging of the Hugh K. Leatherman Terminal.

Marinex Construction, Inc. will commence dredging operations with the Dredge SAVANNAH on or about May 8, 2016 in the vicinity of Daniel Island Reach, within the Cooper River at the Hugh K. Leatherman, SR. Terminal, Charleston, in the vicinity of Copper River Lighted Buoy 48 (LLNR 2765) and Lighted Buoy 49 (LLNR 2803). The dredge will continue on a 24 hour per day, 7 days per week basis until approximately September 30, 2016. The dredge will monitor VHF radio channels 13 & 16. Further information contact Marinex (843) 722-9083.

Chart 11524 LNM: 19/16

SOUTH CAROLINA – CHARLESTON HARBOR - COOPER RIVER: SJH/BANKS - Site Preparation Project, Hugh K. Leatherman, Sr. Terminal (HLT).

As part of the ongoing Hugh K. Leatherman Sr. Terminal Dredging Project for the South Carolina State Port Authority, SJH/Banks will commence work on the Ship Berth (centrally located at 32°50'15.38"N/ 79°55'58.36"W) alongside Marinex Construction's dredging operation on or about June

SOUTH CAROLINA – CHARLESTON HARBOR - COOPER RIVER: SJH/BANKS - Site Preparation Project, Hugh K. Leatherman, Sr. Terminal (HLT).

29, 2016. The scope of work is to include installation of six (6) each 72" diameter pipe piles for ship berth dolphins and construction of a fender system from the driven pipe piles. Two crane barges, ranging in sizes up to 140' x 70' will be traveling between the project site and Marinex Construction's marine yard in Shipyard Creek on occasion to transport materials. The crane barges will be equipped with proper marine lighting and we will install flashing beacons on the dolphin piles which will stick out of the water some 25' above MLW. These ship mooring dolphins are temporary and will be left in place until roughly December of 2017 at which point they will be removed from the Cooper River. All Mariners are urged to use caution around this area and all of our marine equipment. All barges and tugs will monitor VHF Channel 69. Operations will be from Sunday to Monday during daylight hours. For further information please contact the Project POC Marty Kenealy (843) 872-8002.

Chart 11524 LNM: 28/16

SOUTH CAROLINA – CHARLESTON ENTRANCE – CHARLESTON HARBOR NORTH CHANNEL: Dredge Operations.

Marinex will commence dredge operations with the Dredge PETER DEJONG on or about 03 October, 2016 in the vicinity of Cooper River, Hog Island Reach, and Charleston, South Carolina. Operations will extend from Charleston Harbor North Channel Lighted Buoy 38 (LLNR 2600) to Wando River Terminal Lighted Buoy 8 (LLNR 3330). The dredge will continue on a 24 hour per day, 7 days per week basis until approximately 15 January, 2017. The Dredge PETER DEJONG will monitor VHF radio channels 13 & 16. For further information contact Marinex at (843) 722-9083.

Chart 11524 LNM: 40/16

SOUTH CAROLINA - ST HELENA SOUND: Shoaling.

Shoaling has been reported extending from Combahee Bank Light (LLNR 4040) approximately 1NM in a southeast direction. Depths are reported between 5-15ft at Mean Low Water, while Chart # 11517 shows between 22-25ft. Mariners are advised to transit the area with extreme caution.

Chart 11517 LNM: 28/16

GEORGIA – SAVANNAH RIVER – KINGS ISLAND TURNING BASIN: Maintenance Dredge Operations in Brunswick Inner Harbor.(UPDATE: September 15, 2016)

Marinex Construction will commence dredge operations with Dredge CHEROKEE on or about July 18, 2016 in the vicinity of Cooper River, Ordinance Reach Turning Basin, Charleston, S.C. The work area will extend from Cooper River Lighted Buoy 58 (LLNR 2920) to Lighted Buoy 62 (LLNR 2930). Operations will continue on a 24 hour per day, 7 days per week basis until approximately November 30, 2016. The dredge will monitor VHF radio channels 13 & 16. Further information contact Marinex at (843) 722-9083. (Ref: LNM 37/16, 38/16)

Charts: 11524 11527 LNM: 29/16

GEORGIA – SAVANNAH RIVER – THE BIGHT CHANNEL: Maintenance Dredging, Savannah Harbor (Update: September 12, 2016)

Marinex Construction will continue with dredge operations with Dredge HAMPTON ROADS on or about September 12, 2016 from The Bight Channel Light 43 (LLNR 4915) to Light 47 (LLNR 4935) Marsh Island Turning Basin in the Savannah River. Operations will continue on a 24 hour per day, 7 days per week basis until approximately October 15, 2016. The dredge will monitor VHF radio channels 13 & 16. Further information contact Marinex at (843) 722-9083. (Ref: LNM 22/16, 23/16, 29/16, 37/16)

Chart 11512 LNM: 15/16

GEORGIA – SAPELO AND DOBOY SOUNDS – SAPELO RIVER: Severe Shoaling/ Disestablishment and Temporary Establishment of Aids to Navigation.

There is severe shoaling in the vicinity of Sapelo River Daybeacon 5 (LLNR 5890) to Sapelo River Daybeacon 10 (LLNR 5905) with a depth of -1-3FT at MLW. Water depth between Sapelo River TRUB 5B and Sapelo River TRUB 6 was observed at 4ft MLW. The rest of the channel was observed with 8ft of MLW.

The following aids have been temporarily disestablished:
-Sapelo River Daybeacon 8 (LLNR 5900)
-Sapelo River Daybeacon 10 (LLNR 5905)

The following aids have been temporarily established:
-Sapelo River TEMP Buoy 5A in position 31-32-43.672N/081-20-31.546W
-Sapelo River TEMP Buoy 5B in position 31-32-33.161N/081-20-41.0078W
-Sapelo River TEMP Buoy 8 in position 31-32-00.904N/081-21-47.190W
-Sapelo River TEMP Buoy 10 in position 31-31-49.809N/081-21-31.431W

Chart 11510 LNM: 39/16

GEORGIA - ALTAMAHA SOUND - HAMPTON RIVER: Hazard to Navigation.

Hampton River Daybeacon 11 (LLNR 5970) is destroyed and the pile poses a hazard to navigation. Wreckage has been marked with a TRLB, Fl Q G in position 31-14-13.411N/081-19-24.131W. Mariners are advised to transit the area with extreme caution. (Ref: LNM 52/15, 29/16)

Chart 11508 LNM: 44/15

GEORGIA - ST ANDREW SOUND AND SATILLA RIVER - ST ANDREW SOUND: Shoaling.

Shoaling was found between St Andrew Sound Buoy 1 (LLNR 6405) 30-55-36.352N / 081-20-39.833W and St Andrew Sound Buoy 9 (LLNR 6430) 30-58-45.584N / 081-23-16.639W with a reported depth 6ft at MLW due to shifting shoals. Mariners are advised to use extreme caution while

GEORGIA - ST ANDREW SOUND AND SATILLA RIVER - ST ANDREW SOUND: Shoaling.

transiting the area.

Chart 11504 LNM: 38/16

FLORIDA – ST JOHNS RIVER - JACKSONVILLE HARBOR: Mile Point Training Wall Reconfiguration (UPDATE: Completion Date)

Manson Construction will commence dredge operations on or about November 30, 2015 adjacent to the intersection of the St. Johns River and the Intracostal Waterway. Initially, marine excavation and construction will be taking place with a barge mounted excavator and a crane barge at Great Marsh Island. In February 2016, the Dredge BECHTOLT will commence dredging the main dredge area located next to the little jetties and Helen Cooper Floyd Park. This work will last until approximately end of December, 2016. Material will be transported into the Great Marsh Island Placement Area across the Intracostal Waterway. All of these plants will be working on VHF channel 60 and monitoring channel 13. Further information contact: Charles Markham – Project Engineer – (904) 524-7646, Patrick Kenning - General Superintendent – (904) 504-5426, Cole Reardon – Asst. Superintendent – (904) 576-1996. For Coast Guard related issues contact Sector Jacksonville Waterways Management Division at (904) 714-7618. Ref: LNM 39/16

Chart 11491 LNM: 47/15

FLORIDA – ST JOHNS RIVER – JACKSONVILLE - Blount Island: Berth Demolition and Construction.

Mariners are advised to use caution when transiting in vicinity of JAXPORT's Blount Island Berths 34 and 35 on the St Johns River, Jacksonville beginning February 2015 through October 2016. These berths are currently undergoing reconstruction and will have construction barges alongside to complete this project. For the safety of the construction personnel working on these berths, caution and safe speed is requested while transiting the area. For Coast Guard related issues contact Sector Jacksonville Waterways Management Division at (904) 714-7618.

Chart 11491 LNM: 09/15

FLORIDA – ST JOHNS RIVER – JACKSONVILLE: Dredge Operations (UPDATE: September 23, 2016)

Great Lakes Dredge & Dock Company, LLC (GLDD) has commenced mobilization activities for USACE Contract No.W912EP-13-D-0007 Duval County Shore Protection. Mobilization activities include assembly of submerged pipeline, temporary mooring of Derrick barge, Anchor Barge, pipeline and additional auxiliary equipment in the vicinity of Bartram Island and Blount Island near Dames Point Marina. Equipment will be anchored and lighted within the staging area, boaters should avoid this area. Tugs will be towing pipeline rafts approximately 780ft in length by approximately 40ft in width from the temporary mooring areas via the St. John's River to offshore of Duval County beaches. Submerged pipeline will be placed in several areas extending from offshore to the beach, from Jacksonville Beach to Atlantic Beach. Three submerged line locations have been installed and are landing on Jacksonville Beach at approximately 37th Avenue South, approximately 17th Avenue South and at approximately 2nd Avenue South. The installed submerged pipelines will have flexible floating pipeline attached to a yellow cube at the water's surface. This pipeline is connected to the seaward end of the submerged pipeline. All pipelines will be marked with flashing yellow lights and orange buoys, please see attached drawings for installed pipeline coordinates. Mariners are advised to avoid these areas.

The hopper dredge M/V TERRAPIN ISLAND has commenced dredging operations as of September 17th, 2016 in an ocean borrow area approximately 7NM southeast of the entrance of the St. John's River (see enclosure section for update drawing and borrow area coordinates). Dredged material will be transported to the pumpout stations offshore of the project area by hopper dredge. Dredged material will be pumped to the beach through various submerged pipelines landing on the beach from Jacksonville Beach to Atlantic Beach.

Other vessels used for project : Crew Vessel ST LOUIS RIVER, Tug LADY THEO, Tug ATLANTIC RAIDER, Tug FREE STATE, Derrick Barge 1700, Anchor Barge 114. All vessels will monitor CHF channels 13 and 16. Approximate completion date November 2016. For further information contact the Site Manager, Jeremy Remme (630) 207-3282 to email JJRemme@gldd.com. (Ref: LNM 33/16, 35/16, 38/16)

Chart 11491 LNM: 32/16

FLORIDA - CAPE CANAVERAL TO BETHEL SHOAL - PORT CANAVERAL: SUBMERGED REMOTELY OPERATED VEHICLE

The Johns Hopkins University Applied Physics Lab will be testing two remotely operated vehicles off the eastern Florida coast between 21 September and 27 October. The vehicles are low-profile wave gliders, approximately 10 foot by 2 foot, with four 2-foot tall antennas, one with an orange flag and displaying a solid white light at night. Connected to the wave glider is a submerged craft approximately 25 feet below the water surface and directly below the wave glider. One of the wave gliders will also have a tow body approximately 6 inches in diameter and 4.5 feet long which is towed 16 feet behind the submerged craft.

The remotely operated vehicles will be deployed in the vicinity Canaveral Approach Channel Lighted Buoy 4 (LLNR 9590) off Port Canaveral on 21 September from where it transit for approximately twelve days at 1-2 knots along the following course: 28.39/-80.53, 27.86/-80.08, 28.91/-79.67, 29.05/-79.36 and 28.83/-76.00. Upon reaching 28.83/-76.00, on approximately 2 October, the wave gliders will operate in a box bounded by 28.80 to the south, 28.87 to the north, -76.03 to the west and -75.94 to the east until approximately 12 October at which time it will begin a transit back to Port Canaveral, FL along a rough track of 28.83/-76.00, 27.78/-78.79, 27.75/-79.26, 29.72/-80.20, 29.75/-80.24, 28.48/-80.39 and 28.39/-80.53 where it will be recovered on approximately 27 October. Mariners are to avoid close proximity, or any other interference of these wave gliders. Pilots of the wave glider can be reached via Iridium at 011 8816 3264 6715 or commercial at (240) 228-0352.

Charts: 11476 11484 LNM: 37/16

FLORIDA - PORT CANAVERAL HARBOR - EAST BASIN: Shoaling.

A shoal was reported in position 28-24.600N 080-35.500W near the entrance to the Trident East Basin in Port Canaveral. The shoaling is approximately 1ft below the required 43ft project depth. The US Navy is working with the Army Corps of Engineers and local dredge companies to dredge the shallow areas. Mariners are advised to exercise caution while transiting the area.

Chart 11476 LNM: 23/16

FLORIDA – CAPE CANAVERAL – PORT CANAVERAL: Dredge Operations.

FLORIDA – CAPE CANAVERAL – PORT CANAVERAL: Dredge Operations.

Dutra Dredging will continue dredge operations in Cape Canaveral. Operations will be 24 hours/7 days a week in various areas of the Canaveral Harbor and Entrance Channel located at around 28-24-36.79N and 80-36'-25.15W and disposal site at ODMDS.Clamshell dredges DB PAULA LEE will carry out dredging operations and 2 split hull scows. The scows will be utilized for all Disposal Operations to ODMDS. Tender Tug TROJAN and other equipment will also be supplied. All vessels will monitor Channels 12, 14, and 82. The tow tug AMERICAN CHAMPION will use the call sign KX7468. Operations will continue until on or about December 31, 2016. Further information contact Brad Shoffit (415)-519- 4262 or Joe Dunlap (415) 302-8709. Mariners are advised to use extreme caution while transiting the dredge area.

Chart 11478 LNM: 52/15

FLORIDA - FORT PIERCE HARBOR - BANTY SAUNDERS RECREATIONAL AREA: Private Aid/Hazard to Navigation.

Private aid Banty Saunders Recreational Area Daybeacon 7 (NO LLNR) is reported destroyed. The remains of the pile are below the surface of the water and pose a hazard to navigation. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11475 LNM: 28/16

FLORIDA – FORT PIERCE HARBOR – BANTY SAUNDERS RECRATIONAL AREA: Private Aid/Hazard to Navigation.

Private aid Banty Saunders Recreational Area Daybeacon 12 (LLNR 9895) reported destroyed. Wreckage appears to be 6” above the waterline and poses a hazard to navigation. Mariners are advised to use extreme caution while transiting the area.

Chart 11475 LNM: 19/16

FLORIDA - INDIAN RIVER - TURKEY CREEK: Dredge Operations, Muck Removal.

Gator Dredging will commence “Muck Removal” operations from approximately 01 February until approximately end of October, 2016. See enclosure section for complete details of project, schedules, pipeline plans and booster pump location details. For more details contact the project POC Tyler McDougal (727) 527-1300 ext 24. Ref: LNM 30/16

Chart 11472 LNM: 05/16

FLORIDA - PALM SHORES TO WEST PALM BEACH - ST LUCIE INLET: Hazard to Navigation.

St Lucie Inlet Daybeacon 12 (LLNR 10155) is destroyed and missing. A TRUB has been placed on its assigned position. Mariners are advised to transit the area with extreme caution.

Chart 11472 LNM: 29/16

FLORIDA – PALM SHORES TO WEST PALM BEACH - JUPITER INLET: Shoaling.

Shoaling has been reported in Jupiter Inlet. Depths as low as 5 feet have been reported at low tide. A white Danger Shoal Buoy displaying a FL Q W light has been set where the most significant shoaling has been found in position 26-56-53.617N/080-04-45.846W. Mariners are strongly encouraged to use extreme caution while transiting the area.

Chart 11472 LNM: 11/16

FLORIDA - JUPITER INLET TO FOWEY ROCKS – HIGHLAND BEACH: Hazard to Navigation.

The U.S. Coast Guard received a report of a large metal, anchored mooring CAN with a ballard that is approximately 6ft in diameter and sits approximately 3-4ft on top of the water in position 26-24.710N/080-02.981W. The mooring CAN is unmarked and unlighted and poses a serious hazard to navigation. Mariners are advised to exercise extreme caution while transiting the area.

Charts: 11466 11467 LNM: 32/16

FLORIDA – NORTH MIAMI BEACH – SUNNY ISLES: Construction of the North Bay Road Pedestrian Emergency Bridge.

Ebsary Foundation will commence construction in Sunny Isles Beach, FL. working in the Town Center Park Canal from May 1, 2016 thru December 31, 2016. The GPS Coordinates of the work area are; N 25°56.10N/80°7.36W. Ebsary Foundation will have a 48’ x 120’ deck barge (Name: EB 120) with a 150 Ton crane mounted on it, and a 25’ x 14’ tug boat (Name: MACK). The scope of work involves installing a new bridge across the canal. The barges and tug boat will be located inside the construction area and will monitor VHF Channel 16. The canal will be completely closed to marine traffic during construction operations. Operations will be Monday through Saturday from 7:00am to 7:00pm. Recreational and commercial boaters are advised to use extra precaution when navigating through this section of the waterway. For further information contact Captain Richard Varney, 305-898-3965 or Brent Hoffman with Ebsary Foundation at (305) 325-0530 ext 113.

Chart 11467 LNM: 11/16

FLORIDA - MIAMI HARBOR - GOVERNMENT CUT: Old Structure Designated to become a Private Aid.

The old Government Cut Range Front Light structure has been discontinued. However the structure has been designated to become a "Private Aid to Navigation" named “BENT LIGHT” in position 25-45-11.048N/080-06-28.821W displaying four non-lateral red dayboards marked with the letter B with Fl W 4s light. (Ref: LNM 06/15, 18/15, 20/15, 31/15, 02/16, 05/16)

Chart 11468 LNM: 29/14

FLORIDA – MIAMI TO MARATHON AND FLORIDA BAY – HAWK CHANNEL – SHELL KEY: Hazard to Navigation.

Lignumvitae Key Daybeacon 91A (LLNR 12340) is destroyed. The remains of the steel pile pose a hazard to navigation. Wreckage is marked with a TRLB, Fl Q G. Mariners are advised to use extreme caution while transiting the area.

Chart 11451 LNM: 40/16

FLORIDA - DRY TORTUGAS - BIRD KEY HARBOR: Hazard to Navigation.

The U.S. Coast Guard received a report of Bird Key Harbor Daybeacon 3BK (LLNR 15580) the steel pile is missing dayboards. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11438 LNM: 02/16

FLORIDA – MIAMI – NORRIS CUT – FISHER ISLAND TO VIRGINIA KEY: Norris Cut Tunnel Project (UPDATE: August 19, 2016)

Nicholson Construction will be tunneling underneath Norris Cut Channel starting September 21, 2015. The tunneling will be from Virginia Key to Fisher Island, approximately 45 feet below seafloor. The estimated completion date for this project is end of October, 2016. Nicholson Construction will monitor VHF-channel 13 & 81. Boaters, divers, and swimmers are advice to proceed through the area with caution. Further information; contact Mr. Eloy Ramos (412) 715-3265. (Ref: LNM 01/16, 34/16)

Charts: 11466 11468 LNM: 38/15

FLORIDA - MIAMI TO MARATON AND FLORIDA BAY - CAESAR CREEK: Hazard to Navigation.

Caesar Creek Daybeacon 30 (LLNR 11130) is destroyed. The remains of the concrete pile are a hazard to navigation. Wreckage is marked with a TRLB WR30, Fl Q R set 4 yards channelward in temporary position 25-24-15.270N/080-14-27.609W. Mariners are advised to exercise extreme caution while transiting the area.

Charts: 11451 11463 LNM: 22/16

FLORIDA - MIAMI TO MARATHON AND FLORIDA BAY - LARGO SOUND CHANNEL: Hazard to Navigation (UPDATE: March 14, 2016)

Largo Sound Channel Daybeacon 7 (LLNR 11800) is destroyed. The steel pile may pose a hazard to navigation. Wreckage is marked with a TRLB WR7, Fl Q G. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11451 LNM: 10/16

FLORIDA – MIAMI TO MARATHON AND FLORIDA BAY – HAWK CHANNEL: TRLT

Mosquito Bank Light 35 (LLNR 11890) is extinguished. The structure is deemed unsafe to climb. A temporary light (TRLT) with different characteristics is mounted on the west facing lower beam displaying Fl Q G, 4NM. Mariners are advised to transit the area with caution.

Chart 11451 LNM: 41/15

FLORIDA - FLORIDA KEYS – FLORIDA BAY: PATON TRLT.

A temporary Boom and Float system will be deployed for a 10-day period sometime between 01 August - 30 December, 2016. This system will collect data for research on coral bleaching and may pose a hazard to navigation. The location is in the FWC Marathon Coral Nursery in approximate position 24-39.982N / 081-01.478W. A temporary Fl Y 4.2s light will mar k the 30'x30' scientific research system. Mariners are advised to avoid any interference with the data collecting system. Contact Mr. Brad Ripkey with the Keys Ocean Rangers at (202) 716-1372 for further information.

Chart 11442 LNM: 40/16

FLORIDA - KEY WEST - HAWK CHANNEL: Hazard to Navigation.

The U.S. Coast Guard received a report of a sunken vessel in approximate position 24-32.722N 081-45.903W. The vessel a Sportfisher sunk in 10ft of water with 8ft of the flybridge exposed above the waterline. Mariners are advised to exercise exteme caution while transiting the area.

Charts: 11441 11442 11447 LNM: 49/15

FLORIDA – BAHIA HONDA KEY TO SUGARLOAF KEY – SAFE HARBOR CHANNEL: Hazard to Navigation.

Safe Harbor Channel Light 3 (LLNR 14650) is destroyed. The remains of the steel pile are a hazard to navigation. Wreckage is marked with a TRLB WR3 with Fl Q G characteristics. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11445 LNM: 34/16

FLORIDA - KEY WEST HARBOR AND APPROACHES - KEY WEST MAIN CHANNEL: Temporary Establishment of Lighted Buoy of Hazard to Navigation (UPDATE: August 26, 2016).

The M/V TILLY has sunk in approximate position 24-31-13.68N, 081-49-50.70W; with less than 3ft of water clearance over wreck. The hazard is sub-surface. Wreckage is marked with an Islolated Danger Mark Lighted Buoy T with a Fl (2) 5s white light and 4NM characterisitcs in position 24-31-13.213N/081-49-52.678W. Mariners are advised to exercise extreme caution while transiting the area. (Ref: Sector KWT BNM 036/14, 046/14. Ref: LNM 09/14, 34/16, 35/16)

Charts: 11441 11446 11447 LNM: 05/16

FLORIDA - CHATHAM RIVER TO CLAM PASS – NATIONAL PARK SERVICE BOAT BASIN SOUTH CHANNEL: Private Aid/Hazard to Navigation.

The U.S. Coast Guard received a report of Private aid National Park Service Boat Basin South Channel Daybeacon 4 (LLNR 16120) is destroyed and poses a hazard to navigation. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11429 LNM: 14/16

FLORIDA - LOSTMANS RIVER TO WIGGINS PASS - BIG MARCO RIVER: Private Aid/Hazard to Navigation.

Private aid Big Marco River Daybeacon 16 (LLNR 16860) is destroyed. The wreckage poses a hazard to navigation. Mariners are advised to transit the area with extreme caution while transiting the area.

Chart 11430 LNM: 13/16

FLORIDA – NAPLES – KEEWAYDIN ISLAND - GORDON PASS: Hydraulic Dredging/ Beach Placement. (UPDATE: September 19, 2016)

Southwind Construction Corp will commence dredge operations in Gordon Pass, Naples, Florida in Federal Channel Cuts 1 & 3, and 4 on or about 30 August until approximately 01 November, 2016. Submerged and floating pipeline associated with dredging operation. Mariners are urged to transit at the slowest safe speed to minimize wake, and proceed with caution after passing arrangements have been made. Pipeline and vessels will be visibly lighted and marked according to Coast Guard regulations. Submerged pipeline will be positioned parallel and adjacent to the federal channel thence traversing across the existing rock jetty at Gordon Pass southerly to Keewaydin, Island. Dredge WILKO, workboats PROUD MARY and MISS LEANNE will monitor VHF FM channel 13 & 16 working channel 79. See enclosure section for Pipeline Route Plan. For further information contact Southwind Construction Corporation at 812-867-7220.

The following aids have been temporarily disestablished for dredge operations until further notice:

Gordon Pass Shoal Light (LLNR 17450) Ref: LNM 38/16
Gordon Pass Channel Daybeacon 1 (LLNR 17453) Ref LNM 38/16

Chart 11430 LNM: 33/16

FLORIDA - LOSTMANS RIVER TO WIGGINS PASS - GORDON PASS CHANNEL TO NAPLES BAY CHANNEL: Shoaling (UPDATE: September 19, 2016)

There is dangerous shoaling from Gordon Pass Channel Daybeacon 1 (LLNR 17453) to Naples Bay Channel Light 20 (LLNR 17540). There are currently no plans by the Army Corps of Engineers to maintain the federal project channel depth of 12ft.

-Gordon Pass Channel Shoal Light (LLNR 17450) temporarily disestablished for dredge operations (Ref: LNM 38/16)
-Gordon Pass Channel Daybeacon 1 (LLNR 17453) temporarily disestablished for dredge operations (Ref: LNM 38/16)
-Gordon Pass Channel Light 2 (LLNR 17455) has been replaced by a TRLB displaying a Fl R 4s light and a 3NM range.

MARINERS ARE ADVISED TO EXERCISE EXTREME CAUTION AND LOCAL KNOWLEDGE OF THE CHANNEL CONDITIONS IS RECOMMENDED BEFORE ATTEMPTING PASSAGE.

Chart 11430 LNM: 22/15

FLORIDA - TAMPA BAY ENTRANCE - MANATEE RIVER - BRADEN RIVER: Hazard to Navigation.

The U.S. Coast Guard received a report of a broken waterway sign that cannot be seen at high tide. The hazard is in approximate position 27-29.972N / 082-31.209W in the Braden River, marked with Private aids to navigation. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11415 LNM: 39/16

FLORIDA - FORT MYERS TO CHARLOTTE HARBOR AND WIGGINS PASS: Shoaling.

The U.S. Coast Guard received a report of shoaling in Wiggins Pass between Safe Water Light WP (LLNR 17775) 26-17-15.600N/081-50-08.400W and Wiggins Pass Daybeacon 12 (LLNR 17815) 26-17-23.000N/081-49-39.000W. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11427 LNM: 28/16

FLORIDA - FORT MYERS TO CHARLOTTE HARBOR AND WIGGINS PASS - TEMPUSTECH MARINA: Private Aid/Hazard to Navigation.

Private aid Barefoot Boat Club Daybeacon 8 (LLNR 17910) is destroyed. The remains of the aid may pose a hazard to navigation. Mariners are advised to transit the area with extreme caution.

Chart 11427 LNM: 32/14

FLORIDA – FORT MYERS TO CHARLOTTE HARBOR AND WIGGINS PASS – NEW PASS CHANNEL IN LEE COUNTY: Shoaling.

The U.S. Coast Guard has received a report of shoaling in the vicinity of New Pass. Shoaling is occurring from Private aid New Pass Lighted Buoy 1 (LLNR 17964) position 26-22-19.080N/081-52-27.960W to Buoy 4 (LLNR 17970) position 26-22-38.460N/081-52-09.330W. This channel is very shallow and marked with Private Aids to Navigation. MARINERS ARE ADVISED TO EXERCISE EXTREME CAUTION AND LOCAL KNOWLEDGE OF THE CHANNEL CONDITIONS IS RECOMMENDED BEFORE ATTEMPTING PASSAGE.

Chart 11427 LNM: 15/16

FLORIDA – FORT MYERS TO CHARLOTTE HARBOR AND WIGGINS PASS – BIG CARLOS PASS: Shoaling.

The U.S. Coast Guard has received a report of shoaling in the vicinity of Big Carlos Pass. Shoaling is occurring from Private aid Big Carlos Pass Lighted Buoy 1 (17975) position 26-23-11.760N/081-53-27.100W to the SR 865 Big Carlos Pass Bridge. This channel is very shallow and marked with Private Aids to Navigation. . MARINERS ARE ADVISED TO EXERCISE EXTREME CAUTION AND LOCAL KNOWLEDGE OF THE CHANNEL CONDITIONS IS RECOMMENDED BEFORE ATTEMPTING PASSAGE.

Chart 11427 LNM: 15/16

FLORIDA - FORT MYERS TO CHARLOTTE HARBOR AND WIGGINS PASS – HURRICANE BAY: Private Aid/Hazard to Navigation.

Private aid Hurricane Pass Daybeacon 10 (LLNR 18350) is reported destroyed and poses a hazard to navigation. Mariners are advised to exercise

FLORIDA - FORT MYERS TO CHARLOTTE HARBOR AND WIGGINS PASS – HURRICANE BAY: Private Aid/Hazard to Navigation.
extreme caution while transiting the area.

Chart 11427 LNM: 17/16

FLORIDA - ESTERO BAY TO LEMON BAY - ALLIGATOR CREEK: Dredge Operations.
Gator Dredging plans to mobilize a 10" 370 Ellicot hydraulic dredge to perform hydraulic sediment removal from approximate Sta. 75+00 to Sta. 0+00. Operations will commence on or about August 29, 2016 and last until approximately December 31, 2016. The dredged materials will be pumped to a dredge material management area located at 5351 & 5371 Deltona Drive per approved Land Disturbance permits for the vacant properties. The dredge will be deployed at via crane from the Gator Creek Marine offload site. The pipeline will be stored upland and deployed into the water from the 5351 & 5371 Deltona Drive property (DMMA site). It is estimated that up to 8,000 linear feet of pipeline will be deployed in order to reach Sta. 0+00. The pipeline will be submerged its entire length except for 500' directly behind the dredge where pipe will have floats every 50' for dredge mobility. The submerged pipeline will be run along the west/north side of the proposed channel and properly marked and lighted per USCG regulations. Additionally the pipeline will be anchored as needed to prevent movement of the pipeline outside of the channel. A booster pump may be needed to achieve the 8,000 linear feet pumping distance, a 14" Ellicot booster pump will be deployed on a 40'x20' booster barge to be spud anchored within the work limits approximately 2,000 to 3,000 linear feet behind the dredge. See enclosure section for complete project details. For further information contact Gator Dreding at (727) 527-1300.

Chart 11426 LNM: 34/16

FLORIDA - CHARLOTTE HARBOR TO TAMPA BAY - BIG SARASOTA PASS: Shoaling.
Mariners are advised to exercise extreme caution and use local knowledge of BIG SARASOTA PASS and its conditions due to shoaling before attempting passage through Big Sarasota Pass Channel, Shoal Daybeacon A (LLNR 21465) position 27-15-58.000N/ 082-33-53.000W to Daybeacon 15 A (LLNR 21530) position 27-18-17.609N/082-33-37.740W. Private Buoys are not charted due to constantly shifting shoals and Buoys may not signify best water.

Chart 11425 LNM: 20/16

FLORIDA – CHARLOTTE HARBOR TO TAMPA BAY – NORTH SIESTA KEY: Private Aid/Hazard to Navigation.
Private aid North Siesta Key Daybeacon 1 (LLNR 21570.1) is destroyed and partially submerged. The wreckage poses a hazard to navigation. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11425 LNM: 14/16

FLORIDA – CHARLOTTE HARBOR TO TAMPA BAY - SARASOTA – NEW PASS AND LONGBOAT PASS: Dredge Operations. (UPDATE: September 13, 2016)
Norfolk Dredging will commence dredge operations on or about 01 August, 2016 with Dredge PULLEN.

Construction Schedule (approximate) Subject to Change:
01 August - Mobilization to New Pass/South End
08 August - Dredging commences at New Pass – Fill placement from south to north –L'Ambiance to Regent Place
20 September - Completion of New Pass (Ref: LNM 37/16)
05 September – Mobilization to Longboat Pass/North End
11 September – Turtle Nest Clearance
12 September – Dredging commences at Longboat Pass – Fill placement from north to south
04 November - Completion of Longboat Pass (Ref: LNM 37/16)

The dredge material will be pumped through a submerged pipeline that extends from the borrow area to the fill area. The pipeline location is approximate, but will be appropriately marked to show line and direction, as required by the USCG. Ancillary equipment will be anchored near and within each Pass. See enclosure section of maps and drawings.

The Dredge Operators will standby on VHF-FM channels 13 and 16. Marine traffic is advised to call 30 minutes prior to expected time of passage.

All mariners are requested to stay clear of the dredge, booster, floating (including pontoon) and submerged pipelines, barges, derricks and operating wires about the dredge. Operators of vessels of all types should be aware that the dredge and floating pipelines are held in place by cables, attached to anchors some distance away from the equipment. Buoys are attached to the anchors so that the anchors may be moved as the dredge advances and the location of the submerged pipelines are marked by buoys on each side of the channel. Mariners are cautioned to strictly comply with the Rules of the Road when approaching, passing and leaving the area of operations, and remain a safe distance away from the dredge, booster, buoys, cables, pipelines, barges, derricks, wires and related equipment.

Owners and lessees of fishnets, crabpots and other structures that may be in the vicinity and that may hinder the free navigation of attending vessels and equipment must remove these from the area where tugs, tenderboats and other attendant equipment will be navigating. Since the project will be conducted twenty–four (24) hours per day seven (7) days a week, all fishnets, crabpots and structures in the general area must be removed prior to the commencement of the work. For further information contact: Norfolk Dredging at (757) 547-9391.

Charts: 11424 11425 LNM: 31/16

FLORIDA - CHARLOTTE HARBOR TO TAMPA BAY – LONGBOAT PASS: Shoaling (UPDATE: April 16, 2015)
Due to Shoaling - Temporarily Disestablished Daybeacons:
-Longboat Pass DBN 1 (LLNR 21757)
-Longboat Pass DBN 2 (LLNR 21758)
-Longboat Pass DBN 3 (LLNR 21760)

FLORIDA - CHARLOTTE HARBOR TO TAMPA BAY – LONGBOAT PASS: Shoaling (UPDATE: April 16, 2015)

Temporarily Established Buoys:
-Longboat Pass TEMP Buoy 1 (LLNR 21757) temporarily relocate to position 27-25-55.788N/082-41-43.138W (Ref: LNM 38/14, 12/15, 16/15)
-Longboat Pass TEMP Buoy 2 (LLNR 21758) temporarily relocate to position 27-25-56.232N/082-41-40.045W (Ref: LNM 16/15)
-Longboat Pass TEMP Buoy 2A in position 27-26-22.076N/082-41-39.324W
-Longboat Pass TEMP Buoy 3 (LLNR 21760) in position 27-26-10.131N/082-41-46.746W
-Longboat Pass TEMP Buoy 3A in position 27-26-20.809N/082-41-43.716W

MARINERS ARE ADVISED TO EXERCISE EXTREME CAUTION AND LOCAL KNOWLEDGE OF THE CHANNEL CONDITIONS IS RECOMMENDED BEFORE ATTEMPTING PASSAGE.

Chart 11424 LNM: 38/14

FLORIDA - CHARLOTTE HARBOR TO TAMPA BAY - NEW PASS IN SARASOTA COUNTY: Shoaling.

The U.S. Coast Guard has temporarily removed all Federal Aids to Navigation from the NEW PASS ENTRANCE LIGHT NP (LLNR 1345/21585) to NEW PASS LIGHT 7 (LLNR 21620)

NEW PASS ENTRANCE LIGHT NP (LLNR 1345/21585) has been temporarily discontinued and renamed NEW PASS SHOAL LIGHT and converted to a Danger Shoal marker with an Fl Q W light and 3NM.

NEW PASS CHANNEL LIGHT 7 (21620) has been temporarily discontinued and renamed NEW PASS INTERIOR SHOAL LIGHT and converted to a Danger Shoal marker with an Fl Q W light and 3NM.

The increased shoaling has created an unsafe situation and the U.S. Coast Guard can no longer mark "SAFE WATER". The following aids have been temporarily discontinued:

NEW PASS CHANNEL BUOY 1 (21590)
NEW PASS CHANNEL BUOY 2 (21595)
NEW PASS CHANNEL BUOY 3A (21600)
NEW PASS CHANNEL BUOY 4 (21603)
NEW PASS CHANNEL BUOY 5 (21605)
NEW PASS CHANNEL BUOY 5A (21610)

THE ENTRANCE CHANNEL IS SUBJECT TO CONTINUAL CHANGE. BUOYS ARE BEING REMOVED DUE TO INSUFFICIENT WATER. MARINERS ARE ADVISED TO AVOID NEW PASS AND SEEK ALTERNATE ROUTES TO AND FROM THE GULF OF MEXICO AND USE EXTREME CAUTION WHILE IN THIS AREA. FOLLOWING SUMMER DREDGE OPERATIONS, THE U.S. COAST GUARD WILL RETURN THE AIDS TO NAVIGATION BACK TO THEIR ASSIGNED POSITIONS.

Charts: 11424 11425 LNM: 13/16

FLORIDA - CHARLOTTE HARBOR TO TAMPA BAY - NEW PASS: Shoaling.

There are reports of shoaling between New Pass Channel Light 13 (21705) 27-20-18.273N, 082-34-27.440W and New Pass Channel DBN 17 (21725) 27-20-28.987N / 082-33-54.003W. Surveyed depths show depths as low as 4.2ft MLLW in the channel. ACOE survey link http://www.saj.usace.army.mil/Missions/Civil-Works/Navigation/Hydro-Surveys/. Mariners are advsed to use extreme caution while transiting the area.

Chart 11425 LNM: 38/16

FLORIDA - CHARLOTTE HARBOR TO TAMPA BAY - LONG BOAT KEY PASS – BRADENTON BEACH: Concrete Groin Removal Operations (UPDATE: September 27, 2016)

Due to Hurricane Hermine, CAYO, LLC will begin construction on the concrete groins at Bradenton Beach. Tug EMMA D and barge GRANITE II will arrive approximately 10 October, 2016. The work will include removal and reconstruction of the concrete structures. Hours of operations will be conducted Monday through Friday from 7:00am to 5:00pm daily. The work area will be located between 27.4514 N, 82.6948 W and 27.4455 N, 82.6926 W. Both vessels will monitor VHF FM Channel 16 while in the area. There will also be a temporary anchor buoy approximately ¼ mile off shore of the work area. The buoy will be painted high visibility yellow and will be equipped with a solar powered light mounted on top. During holidays and rough seas the Tug EMMA D and barge GRANITE II will be spudded down with proper lighting in Long Boat Key Inlet south of the channel. The approximate completion date is end of December, 2016.

Mariners are advised to use caution when transiting the area. Contact Jeff Boyd, Project Manager at 903-360-5176, or Captain David Wiseman, Marine Superintendent at 386-566-2823 with any questions or concerns. Ref: LNM 51/15, 39/16.

Chart 11425 LNM: 11/15

FLORIDA - TAMPA BAY - CUT A, CUT C AND CUT D CHANNELS: Dredge Operations.

Cashman Dredging and Marine Contracting Company, LLC will commence dredging operations in Tampa Bay, Hillsborough County, FL on or about October 16, 2016. Operations will be conducted within the Federal Navigation Channel encompassing the Hillsborough Bay. The dredges will actively be working in CUT-A (HB), CUT-C (HB), AND CUT-D (HB). The project will involve the Trailing Suction Hopper Dredge “ATCHAFALAYA” and the Clamshell Dredge “DALE PYATT” removing shoaled material from the federal channel and then transiting to the booster/unloading barge in Hillsborough Bay. The barge will be secured with spuds outside of the federal channel and have proper lighting for nighttime operations. Approximately 2,000 linear feet of floating pipeline and submerged pipeline will be placed in line with the booster barge to the shoreline. The pipeline will be marked with lighted buoys, for local traffic. The dredge will be supported by the survey vessel “SURVEY 2” and various other

FLORIDA - TAMPA BAY - CUT A, CUT C AND CUT D CHANNELS: Dredge Operations.

support vessels. All vessels will monitor VHF channels 16, 13, 12, and use 74 as the working channel. The dredge will operate 7 days a week, 24 hours a day. The work is scheduled to be completed on or about May 6, 2016. Mariners are urged to transit at their slowest safe speed to minimize wake and proceed with caution after passing arrangements have been made. Further information contact Aaron Barton at (617) 890-0600.

Chart 11416 LNM: 40/16

FLORIDA - TAMPA BAY - CUT G CHANNEL: Temporary Light.

Tampa Bay Cut G Channel Range Front Light (LLNR 23665) is damaged. The range is not safe to climb and build a new platform. A Temporary Light (TRLT) with Fl Q W characteristics, 4M has been affixed to the damaged structure. Mariners are advised to exercise extreme caution while transiting the area.

Charts: 11412 11416 LNM: 30/16

FLORIDA - TAMPA BAY - WESTSHORE MARINA: Private Aid/Hazard to Navigation.

Private aid Westshore Yacht Club Light 12 (LLNR 23814.8) is destroyed. The remains of the aid is partially submerged and marked with an orange buoy. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11416 LNM: 35/16

FLORIDA - TAMPA BAY - DANA SHORES: Private Aid/Hazard to Navigation.

Private aid Dana Shores Daybeacon 9 (LLNR 24210) is destroyed. The wreckage poses a hazard to navigation. Mariners are advised to transit the area with extreme caution.

Chart 11416 LNM: 28/15

FLORIDA - TAMPA BAY - SNELL ISLE: Hazard to Navigation.

The U.S. Coast Guard received a report of an unlit steel piling in the vicinity of Private aids Snell Isle Daybeacon 7 (LLNR 25020.4) and Daybeacon 8 (LLNR 25020.5). The hazard is in approximate position 27-47.386N/082-36.686W. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11416 LNM: 41/15

FLORIDA – TAMPA BAY TO PORT RICHEY – PASS-A-GRILLE: Shoaling.

The U.S. Coast Guard received a report of shoaling in Pass-A-Grille Channel in the vicinity of Daybeacon 7A (LLNR 25485) 27-40-38.910N/082-44-40.387W. Mariners are advised to use extreme caution while transiting the area.

Chart 11411 LNM: 19/16

FLORIDA – TAMPA BAY - IVO HILLSBOROUGH CUT C CHANNEL WITHIN PORT TAMPA BAY: Dredge Operations (UPDATE: May 11, 2016)

Orion Marine will commence dredge operations within the Port of Tampa in the following locations:
Miscellaneous Berths within Port Tampa Bay to Disposal Island 2D. Mechanical Clamshell Dredging will be performed within Port Tampa Bay (also inclusive of Port Sutton, Port Redwing, and Big Bend Channel). Loaded scow barges will be transported from Port Berths to the North side of Disposal Island 2D. Material from scow barges will be slurried and hydraulically pumped to the North Cell of Disposal Island 2D via submerged high density polyethylene pipeline.

Type of Operation: Mechanical Clamshell Dredging with Hydraulic Offloading of Scow Barges and Pumping Dredge Slurry to Disposal Island 2D

Commence Date: September, 2015
Completion Date: April 15, 2017 (anticipated) Ref: LNM 19/16
Hours of Operation: Approximately 12 hours per day (day shift only)
Days of Operation: Monday through Sunday (7 days per week)

Name of Contact Vessel: DRAVO
VHF – FM Channels Monitored: Channels 13, 16 and Working Channel 1

Land Contact: Justin Chorlog (Project Manager) Cellular Phone: (904) 712-7971
Lisa Porter (Safety Representative) Cellular Phone: (813) 476-9951

Mariners are urged to use extreme caution in the area, transit at their slowest safe speed to minimize wake, and proceed with caution after passing arrangements have been made. Floating rubber and submerged polyethylene pipeline associated with the hydraulic unloading operation near Disposal Island 2D will be utilized. Pipeline, vessels, and mooring piles, and buoys will be visibly lighted. A submerged pipeline will be utilized from the offloading barge to Disposal Island 2D. The area utilized by the hydraulic offloading operation (including barge, mooring piles, and all pipeline) will be outside of the navigation channel. Ref: LNM 32/15, 38/15

Approximate Location of Temporary Features:

Identification	Description	Latitude Longitude
Buoy 1 Marker Buoy #1 –	30” Steel Ball	27°53'31.48"N 82°26'10.94"W
Buoy 2 Marker Buoy #2 –	30” Steel Ball	27°53'19.62"N 82°26'14.04"W
BG1 Offloading Barge –	120’ x 50’ w/ Spuds	27°53'16.49"N 82°25'55.79"W
MP1 Mooring Pile #1 –	24” Round Steel	27°53'16.75"N 82°25'58.00"W
MP2 Mooring Pile #2 –	24” Round Steel	27°53'16.69"N 82°25'57.25"W

FLORIDA – TAMPA BAY - IVO HILLSBOROUGH CUT C CHANNEL WITHIN PORT TAMPA BAY: Dredge Operations (UPDATE: May 11, 2016)

MP3 Mooring Pile #3 –	24" Round Steel	27°53'16.46"N 82°25'54.39"W
MP4 Mooring Pile #4 –	24" Round Steel	27°53'16.40"N 82°25'53.60"W
MP5 Mooring Pile #5 –	24" Round Steel	27°53'16.34"N 82°25'52.82"W
MP6 Mooring Pile #6 –	24" Round Steel	27°53'16.27"N 82°25'51.99"W

Chart 11416 LNM: 38/14

FLORIDA – TAMPA BAY TO PORT RICHEY - CLEARWATER PASS CHANNEL – CLEARWATER BEACH: Dredge Operations.

Gator Dredging will commence dredge operations on or about September 15 until approximately November 30, 2016 within the Clearwater Pass Federal Navigation channel, east of Clearwater Point. A hydraulic swing dredge will be used from a shallow draft barge with submerged pipeline to the dewatering site located under the 699-Gulf Blvd Bridge or the vacant upland property immediately west of the bridge. The only floating pipeline is 500' directly behind the dredge to allow for dredge mobility. The pipeline will be marked and lighted per USCG regulations. Mariners are urged to use extreme caution and transit the area at their slowest safe speed to create minimum Wake. See enclosure section for maintenance dredge area.

Geographic Position:
Latitude: 27.964396°
Longitude: -82.818870°

For further information contact Gator Dredging at (727) 527-1300 Ext. 24

Chart 11411 LNM: 36/16

FLORIDA - TAMPA BAY TO PORT RICHEY - CLEARWATER PASS CHANNEL: Hazard to Navigation.

Clearwater Pass Channel Daybeacon 3 (LLNR 25685) is destroyed. The remains of the steel pile are missing a dayboard and pose a hazard to navigation. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11411 LNM: 36/16

FLORIDA – TAMPA BAY TO PORT RICHEY – CLEARWATER PASS – CLEARWATER MARINA CHANNEL: (UPDATE July 6, 2015) Hazard to Navigation/Shoaling.

There is significant shoaling in the entrance to Clearwater Marina Channel between Light 2 (LLNR 25730) and Light 6 (LLNR 25755). STP BNM 577-15

Clearwater Marina Channel Light 6 (LLNR 25730) the lateral daymarks have been removed and replaced with Non-lateral White Daymarks worded "DANGER SHOAL." A Temporary Lighted Buoy 2 with Fl Q R, 4M characteristics in position 27-57-49.011N 082-49-09.073W was relocated to best mark the channel. Mariners are advised to transit the area with extreme caution. Ref LNM: 27/15

The Army Corps of Engineers (ACOE) survey project depth between Clearwater Marina Channel Light 2 (LLNR 25730) and Clearwater Marina Channel DBN 4 (LLNR 25745) are as low as 4ft due to shoaling. Ref: LNM 48/14

MARINERS ARE ADVISED TO EXERCISE EXTREME CAUTION WHEN TRANSITING THE AREA. LOCAL KNOWLEDGE RECOMMENDED AS THE CHANNEL IS CONSTANTLY SHIFTING AND CHANGING. Ref: LNM 21/15

Chart 11411 LNM: 48/14

FLORIDA - TAMPA BAY TO PORT RICHEY – HURRICANE PASS: Shoaling.

Shoaling has been reported in the vicinity of Hurricane Pass-Gulf of Mexico-Pinellas County, between Private aids Hurricane Daybeacon 1 (25975) position 28-03-20.040N/082-49-50.640W and Daybeacon 18 (26025.5) position 28-02-53.820N/082-47-45.060W. Mariners are advised to use caution when transiting these waters or seek alternative routes to and from the Gulf of Mexico.

Chart 11411 LNM: 25/16

FLORIDA - ANCLOTE KEYS TO CRYSTAL RIVER – HOMOSASSA RIVER – HELL GATE: Extreme Caution.

Mariners should use extreme caution when approaching and transiting through Hell Gate, a narrow section of the Homosassa River. All mariners are advised to slow down before transiting through the area at a safe speed so that she can take proper and effective action to avoid collision.

Homosassa River Daybeacon 57A (LLNR 28570)
Homosassa River Daybeacon 57B (LLNR 28570.5)
Homosassa River Daybeacon 58 (LLNR 28575)
Homosassa River Daybeacon 58A (LLNR 28580)
Homosassa River Daybeacon 59 (LLNR 28585)

Chart 11409 LNM: 28/16

FLORIDA - ANCLOTE KEYS TO CRYSTAL RIVER - Save Crystal River Project.

Gator dredging will be removing algae (lyngbya) and planting sea grasses in Crystal River for the "Save Crystal River project" some of the work will be in navigable waters. Small 6 to 8" temporary submerged pipelines will run from small barges to a processing plant located on the adjacent

FLORIDA - ANCLOTE KEYS TO CRYSTAL RIVER - Save Crystal River Project.

upland vacant property as well. Approximate completion date December 1, 2016. For more information contact Gator Dredging at (727) 527-1300. See enclosure section for complete details of the project.

Chart 11409 LNM: 34/16

FLORIDA - ANCLOTE KEYS TO CRYSTAL RIVER - CRYSTAL RIVER: Hazard to Navigation (UPDATE: February 16, 2016)

Crystal River Entrance Light 1 (LLNR 28775) is destroyed. The remains of the steel pile are below the waterline and are a hazard to navigation. Wreckage has been marked with a TRLB, Fl Q G, 4M and set 5 yards channelward in position 28-54-43.477N/082-44-51.292W. Mariners are advised to exercise extreme caution while transiting the area. Ref: LNM 08/16.

Charts: 11408 11409 LNM: 04/16

FLORIDA - ANCLOTE KEYS TO CRYSTAL RIVER - CRYSTAL RIVER: Hazard to Navigation.

Crystal River Entrance Daybeacon 10 (LLNR 28830) is destroyed. The remains of the steel pile are partially submerged and is a hazard to navigation. Wreckage has been marked with a TRLB, Fl Q R, 4M. Mariners are advised to exercise extreme caution while transiting the area.

Charts: 11408 11409 LNM: 36/16

FLORIDA - CRYSTAL RIVER TO HORSESHOE POINT - CROSS FLORIDA GREENWAY: Hazard to Navigation.

Cross Florida Greenway Light 20 (LLNR 29205) is destroyed. The remains of the steel pile are a hazard to navigation. Wreckage has been marked with a TRLB, Fl Q R, 4M and set 5 yards channelward in position 27-56-44.293N/082-52-37.724W. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11408 LNM: 37/16

FLORIDA - CRYSTAL RIVER TO HORSESHOE POINT - WACCASASSA BAY AND RIVER: Private Aid/Hazard to Navigation.

Private aid Waccasassa Bay and River Daybeacon 30 (LLNR 29735) is destroyed. The remains of the pile are not visible during high tide and pose a hazard to navigation. Mariners are advised to transit the area with extreme caution.

Chart 11408 LNM: 40/16

FLORIDA – CRYSTAL RIVER TO HORSESHOE POINT – CEDAR KEYS MAIN CHANNEL: Hazard to Navigation.

Cedar Keys Main Channel Light 30 (LLNR 29850) is destroyed. The steel pile poses a hazard to navigation. Mariners are advised to transit the area with extreme caution.

Chart 11408 LNM: 37/16

FLORIDA - CRYSTAL RIVER TO HORSESHOE POINT - CEDAR KEYS MAIN CHANNEL: Hazard to Navigation.

Cedar Keys Main Channel Daybeacon 31 (LLNR 29855) the steel pile is missing and poses a hazard to navigation. A TRLB, with Fl Q G, 4M characteristics is set on scene. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11408 LNM: 30/16

FLORIDA - CRYSTAL RIVER TO HORSESHOE POINT - CEDAR KEYS SOUTH BAR CHANNEL: Hazard to Navigation.

Cedar Keys South Bar Channel Light 2 (LLNR 29895) is destroyed. The remains of the steel poses a hazard to navigation. Wreckage has been marked with a TRLB, Fl Q R, 4M. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11408 LNM: 36/16

WEST INDIES - HAITI - PORT-AU-PRINCE: Navigational Aids Unreliable.

The navigational aids located in Port-Au-Prince and near Port-Au-Prince South Pier may be unreliable. Not all ruins and dangers are marked or known due to the January 2010 Earthquake. Lights on the aids may be unreliable and the aids should be considered unlighted. The mariner must use extreme caution when navigating through the area. Chart: 26186

LNM: 49/13

WEST INDIES - HAITI - CAP HAITIEN: Navigational Aids Unreliable.

The floating navigational aids located in Cap Haitien may be unreliable. Lights on some aids are from sources other than the U.S. Coast Guard and should be considered unlit. Mariners are advised to use extreme caution when navigating the area.

LNM: 12/14

FLORIDA – STEINHATCHEE RIVER: Hazard to Navigation.

Steinhatchee River Daybeacon 50 (LLNR 30581) is destroyed. The steel pile is marked a TRLB "WR50" with Fl Q R characteristics. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11407 LNM: 37/14

WEST INDIES - PUERTO RICO -BAHIA DE SAN JUAN: Dredge Operations.

Manson Construction will commence terminal improvements and dredging on November 12, 2015 in the Crowley Isla Grande Terminal until approximately June 1, 2016. Vessels used will be Derrick Barge HAAKON and various Tug Boats. The vessels will monitor VHF channel 16. For Further information contact Phil Tyer- Assistant Project Manager (904) 239-9323 or Jeff Atkins- Project Manager (904) 305-0044. For Coast Guard related issues contact Sector San Juan (787) 289-2041. Mariners are urged to use extreme caution in the area, transit at their slowest safe speed to minimize wake.

Chart 25670 LNM: 46/15

SOUTH CAROLINA - MYRTLE GROVE SOUND AND CAPE FEAR RIVER TO CASINO CREEK - LITTLE RIVER-WINYAH BAY: Severe Shoal and Temporary Buoy 22A Established.

Severe shoaling has been reported in the vicinity of Little River-Winyah Bay Daybeacon 22A (LLNR 33710.5) and Daybeacon 25 (LLNR 33735). A temporary Buoy 22A has been set in approximate position 33-44.5094N/078-51.9702W. Little River-Winyah Bay Daybeacon 22A has been temporarily changed from a non-lateral aid to an NW on pile (diamond shape, white day boards with an orange reflective boarder). The approximate width of the channel from the pier on the east side to TEMP Buoy 22A on the west side is roughly 60ft. The pier on the east side is not lit and the width of the channel with the extreme shoaling on the west side poses a serious hazard to navigation. Mariners are advised to use extreme caution while transiting the area.

Charts: 11502 11504 LNM: 36/16

SOUTH CAROLINA – AICW - MYRTLE GROVE SOUND AND CAPE FEAR RIVER TO CASINO CREEK - WINYAH BAY - CHARLESTON HARBOR: Depth of Channel.

The U.S. Coast Guard has found at low-tide depths of less than 5ft of water in the middle of the channel between Winyah Bay-Charleston Harbor Channel Light 4 (LLNR 34120) and Winyah Bay-Charleston Harbor Daybeacon 5 (LLNR 34125). Mariners are advised to use caution while transiting the area.

Charts: 11532 11534 LNM: 35/16

SOUTH CAROLINA – AICW – CASINO CREEK TO BEAUFORT RIVER – WINYAH BAY-CHARLESTON HARBOR: Shoaling Extended.

Shoaling has been reported in the vicinity of Winyah Bay-Charleston Harbor Light 35 (LLNR 34235) and Daybeacon 42 (LLNR 34260). The reporting source also indicates that the depth of the water between Winyah Bay-Charleston Light 38 (LLNR 34245) and Daybeacon 42 (LLNR 34260) is approximately 4ft; however the depth is charted at 7ft. The ACOE has no future plans for dredging due to budget restrictions. Further information can be found on the ACOE Charleston website http://www.sac.usace.army.mil/ Mariners are advised to use extreme caution while transiting the area.

Chart 11518 LNM: 37/16

SOUTH CAROLINA - AICW - BEAUFORT RIVER TO ST SIMONS SOUND - HILTON HEAD - CALIBOGUE SOUND: Beach Renourishment Project (UPDATE: Preparation for Hurricane MATTHEW, October 4, 2016)

Dredge/Equipment Staging Area in Preparation for Hurricane MATTHEW.

Continuing until approximately 15 October 2016 the hydraulic dredge C.R. MCCASKILL, “3301” Booster and equipment will be anchored in a more secure location bound by the following approximate locations: Ref LNM 40/16

32°12'16.5"N/80°49'21.5"W
32°12'6.3"N/80°48'58.0"W
32°12'12.0"N/80°49'24.9"Wand 32°12'1.6"N/80°49'1.2"W

Weeks Marine will start approximately 15 June and continuing until approximately 30 October 2016. The Dredge C.R. MCASKILL and attendant plant will be operating just north of Hilton Head Island in the vicinity of Port Royal Sound and Barret Shoals.

The proposed submerged line corridors, borrow area and booster location will be bound by the following approximate locations:

AREA 1:
32°15'25.34"N/080°38'32.09"W
32°14'44.01"N/080°37'11.69"W
32°13'5.60"N/080°36'18.89"W
32°11'4.92"N/080°38'48.88W and 32°15'6.73"N/080°41'15.42"W

AREA 2:
32° 6'39.97"N/80°49'57.06"W
32° 3'13.72"N/80°48'47.46"W
32° 8'56.81"N/80°37'18.46"W
32°12'58.16"N/ 80°40'9.52"W and 32° 9'21.60"N/80°43'39.92"W

Pinckney Island North Staging Area:
32°15'25.64"N/80°44'58.80"W and 32°15'44.90"N/80°44'31.87"W

Staging Area for pipeline/equipment just east side of the Calibogue Sound waterway:
32° 8'5.38"N/80°49'10.16"W and 32° 7'32.15"N/80°49'25.61"W

New location for the staging area for Dredge C.R. MCCASKILL and supply barge:
32°17'33.18"N/080°45'38.44"Wand 32°17'24.81"N/080°45'25.63"W

Continuing until approximately 15 Nov 2016, Weeks Marine Inc. will stage equipment/ pipeline just north side of the channel between Hilton Head Island and Pinckney Island waterway, bounded by the following approximate positions:

32°16'4.99"N/080°44'29.13"W
32°15'58.87"N/080°44'23.85"W
32°16'9.28"N/080°44'12.79"W and 32°16'15.40"N/080°44'19.54"W

SOUTH CAROLINA - AICW - BEAUFORT RIVER TO ST SIMONS SOUND - HILTON HEAD - CALIBOGUE SOUND: Beach Renourishment Project (UPDATE: Preparation for Hurricane MATTHEW, October 4, 2016)

The staging area north of the Calibogue Sound waterway will be located between the following approximate positions:
32°9'40.11N/080°49'10.84Wand 32°9'8.01N0/80°49'37.74W

Buck Island Staging Area: (for Pipeline and equipment) Ref: LNM 26/15
32° 9'33.00"N, 80°48'15.00"W
32° 9'10.80"N, 80°48'32.60"W

Operations will continue on a twenty-four (24) hours per day, seven (7) days per week basis. Dredge C.R. MCCASKILL and tugs will monitor marine VHF channels 13 and 16. Mariners are urged to use extreme caution and transit the area at their slowest safe speed to create minimum wake after passing arrangements have been made.
POC on site are:

PM, Doug Nelson - (985) 237-9667, denelson@weeksmarine.com
East Coast Operation Manager, Joe Mazzarella - (985) 273-1152, jmmazzarella@weeksmarine.com
Eric Price – (985) 630-2512, jeprice@weeksmarine.com
QCM, Robert Webb – (985) 688-2882, rgwebb@weeksmarine.com
(Ref: LNM 07/16, 09/16, 12/16, 13/16, 14/16, 21/16, 22/16, 34/16)

Charts: 11507 11516 LNM: 07/16

FLORIDA – SUWANNEE RIVER – ALLIGATOR PASS: Hazard to Navigation.

The U.S. Coast Guard received a report of a Regulatory Waterway marker permitted to FWCC struck by a vessel and poses a hazard to navigation. The aid is on the Suwannee River in Levy County, Florida in approximate position 29-31.094N/082-58.428W. Mariners are advised to use extreme caution while transiting the area.

Chart 11408 LNM: 35/16

GEORGIA - AICW - ST SIMONS SOUND TO TOLOMATO RIVER - JEKYLL CREEK: Shoaling.

Shoaling was found between Jekyll Creek Daybeacon 20A (LLNR 37346) 31-03-05.915N / 081-25-24.009W and Jekyll Creek Light 25 (LLNR 37360) 31-01-51.060N / 081-26-07.080W with a depth of 3ft at MLW. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11489 LNM: 38/16

FLORIDA - AICW – ST SIMONS SOUND - TOLOMATO RIVER – PABLO CREEK: Dredge Operations (UPDATE: September 19, 2016)

The following aids have been disestablished and temporarily relocated with temporary buoys (TRUB's) to facilitate dredging. DURING THE COURSE OF THE DREDGE PROJECT THE AIDS WILL CONTINUALLY BE RELOCATED. Mariners are advised to exercise caution while transiting the area. (Ref: LNM 30/16, 31/16, 33/16, 38/16)

-PABLO CREEK LIGHT 1 (LLNR 38350) TRLB 1, Fl G 4s position 30-22-51.733N/081-27-30.682W (Ref: LNM 33/16, 34/16)
-PABLO CREEK LIGHT 5 (LLNR 38360) TRUB 5, repositioned to 30-22-38.566N/081-27-18.113W (Ref: LNM 38/16)
-PABLO CREEK LIGHT 6 (LLNR 38365) TRUB 6, repositioned to 30-22-31.744N/081-27-18.001W (Ref: LNM 38/16)
-PABLO CREEK DAYBEACON 7 (LLNR 38370) TRUB 7, repositioned to 30-22-33.481N/081-27-12.105W

Chart 11489 LNM: 17/16

FLORIDA - AICW - TOLOMATO RIVER - PALM SHORES - PONCE DE LEON CUT: Hazard to Navigation.

There is a submerged object near the Swoop Public Boat Ramp in Ponce de Leon Cut. The object us barely visible above the waterline and poses a hazard to navigation. A TRLB, with Fl Q G characteristics is marking the hazard in approximate position 29-03-47.431N/080-56-09.548W. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11485 LNM: 15/16

FLORIDA – AICW – PORT CANAVERAL – SYKES CREEK: Hazard to Navigation.

The U.S. Coast Guard has received a report on a Green Channel Marker #33 near Sykes Creek Parkway Bridge in Merritt Island by Kiwanis Island Park. The aid is destroyed and poses a hazard to navigation. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11478 LNM: 35/16

FLORIDA - AICW – TOLOMATO RIVER TO PALM SHORES – BANANA RIVER: Hazard to Navigation.

The U.S. Coast Guard received a report of an abandoned pole with no markings or reflectors. The pole is in the vicinity of Banana River Daybeacon 26 (LLNR 42600) and Daybeacon 27 (LLNR 42605) in approximate position 28-20-54.360N/080-39-10.560W. The pole poses a serious hazard to navigation. Mariners are advised to exercise extreme caution when transiting the area.

Chart 11481 LNM: 23/16

FLORIDA - AICW - PALM SHORES TO WEST PALM BEACH - CHANNEL 69 MARINA: Private Aid to Navigation/Hazard to Navigation.

Private Aid Channel 68 Marina Daybeacon 1 (LLNR 43685.1) is reported destroyed and leaning. The aid poses a hazard to navigation. Mariners are advised to use extreme caution while transiting the area.

Chart 11472 LNM: 37/16

FLORIDA – AICW – PALM SHORES TO WEST PALM BEACH – INDIAN RIVER SOUTH SECTION: Hazard to Navigation (UPDATE: September 1, 2016)

Indian River South Section Daybeacon 168A (LLNR 44820) is destroyed. A temporary unlighted Buoy (TRUB) has been placed on its assigned position. The 20ft wood pile was unable to be recovered and may be adrift posing a hazard to navigation. Mariners are advised to transit the area with extreme caution.

Chart 11472 LNM: 35/16

FLORIDA - AICW - PALM SHORES TO WEST PALM BEACH - QUEEN COVE: Private Aid/Hazard to Navigation.

Private aid Queens Cove Daybeacon 10 (LLNR 44945) is destroyed. The remains of the pile is below the surface of the water is poses a hazard to navigation. Mariners are advised to transit the area with extreme caution.

Chart 11472 LNM: 40/16

FLORIDA - AICW - PALM SHORES TO WEST PALM BEACH - INDIAN RIVER PLANTATION MARINA CHANNEL: Private Aid/Hazard to Navigation.

Private Aid Ind River Plantation Marina Channel Daybeacon 1 (LLNR 45820) is destroyed and poses a hazard to navigation. The remains of the pile are 1ft above the waterline. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11472 LNM: 18/15

FLORIDA - AICW - PALM SHORES TO WEST PALM BEACH – INDIAN RIVER SOUTH SECTION: Shoaling.

South of Indian River (South Section) Daybeacon 188 (LLNR 45195) water depths as low as 4 feet were recorded extending approximately 10-15 feet into the channel. In approximate position is 27-27.3541N/080-19.0568W. Mariners are urged to exercise extreme caution while transiting the area.

Chart 11472 LNM: 18/16

FLORIDA – AICW – PALM SHORES TO WEST PALM BEACH: Temporary Lighted Buoy Established to Mark Shoal.

Indian River (South Section) Lighted Buoy 188A has been temporarily established in position 27-27-02.163N/080-18-54.202W to mark a shoal encroaching the channel from the west. The TRLB has a Fl Q R light. Water depths were found as low as 4ft in the channel. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11472 LNM: 21/16

FLORIDA – AICW – PALM SHORES TO WEST PALM BEACH - Loxahatchee River: Private Aid/Hazard to Navigation.

Private aid Loxahatchee River Daybeacon 2 (LLNR 46260) reported destroyed. The remains of the pile is partially submerged and is a hazard to navigation. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11472 LNM: 20/16

FLORIDA – AICW – PALM SHORES TO WEST PALM BEACH - LOXAHATCHEE RIVER: Shoaling.

Shoaling reported in the vicinity of Private aid Loxahatchee River Light 12 (LLNR 46305). Maintenance dredging of the inlet may be later in 2016. Further information can be found on the Jupiter Inlet District website at www.jupiterinletdistrict.org click on Navigational aids. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11472 LNM: 02/16

FLORIDA - AICW - PALM SHORES TO WEST PALM BEACH - OLD SLIP MARINA: Private Aid/Hazard to Navigation.

Private aid Old Slip Marina Daybeacon 4 (LLNR 46680) is destroyed. The remains of the pile is barely visible and leaning over just below the water. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11472 LNM: 40/15

FLORIDA – LAKE WORTH TO DEERFIELD BEACH – HILLSBORO CANAL: Dredge Operations. (UPDATE: Dredge Ops Completion Date)

Diversified Inc will commence dredge operations on or about 05 May until approximately 10 October, 2016 between the Dixie Hwy Bridge and Deerfield Island Park in the Hillsboro canal. Dredging equipment to be used is a 390ft Excavator with a 3 yard clamshell for mechanically dredging. Two (2) fill barges for transporting dredge material, one 70ft and one 40 ft, a 24ft Tub Boat GUNNER and a 15ft twin engine push boat. The Tug will monitor VHF-FM Channels 11 and 16. Operations will run Monday-Saturday, daylight hours only. Further information contact Project Superintendent, Clinton Hodges (561) 722-5630. Mariners are advised to use extreme caution while transiting the dredge area. Ref: LNM 39/16

Chart 11467 LNM: 18/16

FLORIDA - AICW - WEST PALM BEACH TO MIAMI - FORT LAUDERDALE: Intracoastal Waterway Deepening Project.

The Florida Inland Navigation District (FIND) is sponsoring a project to deepen the AICW channel to -15 ft MLW in a ±2-mile section from 17th Street Causeway to just north of the Las Olas Bridge. Material from the AICW channel will be mechanically dredged by Cashman Dredging, Inc. and placed into a barge. The material will be dewatered and temporarily placed at a Dredged Material Management Area (DMMA) located at Port Everglades. Dredging will begin the first week of May 2016, and is expected to continue for about 50 weeks. The Dredge CAPTAIN A.J. FOURNIER will work daylight hours only. During the project, every reasonable effort will be made to accommodate normal, safe navigation operations. However, mariners should be aware that clearances within the AICW will be reduced and navigability will be limited during dredge operations. Mariners are urged to subscribe to daily email updates at IWWDredgePosition@jaycashman.com for operation reports and potential impacts to navigation, or call Stephen Tobin (877) 294-9990 or (888) 280-9630 for general questions concerning the project.

Chart 11470 LNM: 19/16

FLORIDA - AICW - WEST PALM BEACH TO MIAMI - NEW RIVER: Hazard to Navigation.

The U.S. Coast Guard received a report of a destroyed Regulatory sign in position 26-06.636N/080-06.615W. Mariners are urged to exercise caution while transiting the area.

Chart 11467 LNM: 13/16

FLORIDA – AICW – WEST PALM BEACH TO MIAMI – NEW RIVER – NEW RIVER CANAL: Hazard to Navigation.

A hazard to navigation has been reported just west of the SR 7/441 Bridge on the north side of the New River Canal, Ft Lauderdale, Broward County, Florida. The hazard is a large tree that is currently visible during daylight hours; but does have the potential of sinking. Mariners should proceed with caution through this area.

LNM: 18/16

FLORIDA - AICW - WEST PALM BEACH TO MIAMI - BISCAYNE BAY: Shoaling (UPDATE: April 29, 2016)

Shoaling protrudes into the channel on the east side which reduces the channel width by approximately half of the charted width. To best mark water Biscayne Bay Buoy 7A and Biscayne Bay Buoy 7B have been relocated.

Biscayne Bay Buoy 7A (LLNR 47824) to 25-54-08.889N/080-07-50.887W
Biscayne Bay Buoy 7B (LLNR 47828) to 25- 54-05.380N 080-07-53.838W

The water depths has been recorded as low as 6-ft at low tide within this channel. MARINERS ARE ADVISED TO EXERCISE EXTREME CAUTION WHILE TRANSITING THE AREA. LOCAL KNOWLEDGE RECOMMENDED AS THE CHANNEL IS CONSTANTLY SHIFTING AND CHANGING. (Ref: LNM 18/16)

Chart 11467 LNM: 08/16

FLORIDA - AICW - WEST PALM BEACH TO MIAMI - MIAMI BEACH CHANNEL: Hazard to Navigation.

Miami Beach Channel Daybeacon 14 (LLNR 48030) the steel pile is missing. A TRLB WR14 is set displaying FL Q R and 4M characteristics. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11467 LNM: 30/16

FLORIDA – AICW – WEST PALM BEACH TO MIAMI – CORAL GABLES WATERWAY: Private Aid/ Hazard to Navigation.

Private aid Coral Gables Waterway Daybeacon 4 (LLNR 49300) is missing both daymarks and poses a hazard to navigation. Mariners are advised to exercise extreme caution while transiting the area.

Chart 11467 LNM: 06/16

FLORIDA - OKEECHOBEE WATERWAY ROUTE 2: Culvert Construction Restricting Navigation.

The U.S. Army Corps of Engineers has multiple contracted companies in the process of replacing culverts along Route 2 of the Okeechobee Waterway from Port Mayaca to Moore Haven as part of the Herbert Hoover Dike Rehabilitation Project. Construction consists of steel and earthen cofferdams on the lakeside and landside of the dike to create a self-contained work area. The waterway will be obstructed during installation and removal of the cofferdams and during the process of replacing culverts. Recreational and commercial boaters are asked to use caution when navigating through these sections of waterway. Buoys, lights and reflectorized hazard signs will be placed at each cofferdam to delineate its location and assist boaters through the work zone. Once culvert replacements are complete, the cofferdams will be removed and waterway restored. Construction will occur 5 to 6 days a week with the possibility of night time work. The projects are anticipated to be completed in 2017. Point of contact is Carl Williams at 863-983-8101.

Chart 11428 LNM: 28/15

FLORIDA - OKEECHOBEE WATERWAY: Herbert Hoover Dike Rehabilitation Project CULVERTS 10 and 12 (UPDATE: June 17, 2015)

Thalle Construction Company, Inc. is replacing two culverts along the Okeechobee Waterway near Belle Glade, FL (Culverts 12) and Pahokee, FL (Culvert 10) as part of the overall Herbert Hoover Dike Rehabilitation Project sponsored by the U.S. Army Corps of Engineers. Construction consists of the steel and earthen cofferdams on both the lakeside and landside of the dike to create a self-contained work area. The waterway will be obstructed during the installation and removal of the cofferdams and during the process of replacing the culverts. Recreational and commercial boaters are asked to use caution when navigating through this section of the waterway between the Paul Rardin park boat ramps location (26-44-57.01N/080-41-04.84W) and just north of Palm Beach Glades Airport location (26-47-53.58N/080-41.46.38W). Four (4) obstruction buoys with solar powered lights, reflectorized hazard warning and symbol will be placed at the outermost edge of cofferdams obstructing the waterway to delineate the cofferdam location and guide boaters through the work zone area. Also, two (2) obstruction buoys will be placed in the vicinity of boat ramps. Once the culvert replacements are complete, the cofferdams will be removed and waterway restored. Construction will occur 5 to 6 days a week, with the possibility of night time work. The project is anticipated to be completed in 2017. The Project point of contact is Tim Pernsteiner at 919-282-4674 or tpernsteiner@thalle.com.

Chart 11428 LNM: 28/14

FLORIDA - OKEECHOBEE WATERWAY: Herbert Hoover Dike Rehabilitation Project CULVERT C-3 Replacement Adjacent to the Okeechobee Waterway.

Mariners transiting the Okeechobee Waterway (OWW) are advised of water based construction activity on the Herbert Hoover Dike. The C3 location is 870,313.9N, 704,735.5E to 870,494.6N, 704,418.6E or from 26° 43' 40.66"N, 80° 51' 4.31"W to 26° 43' 42.45"N, 80° 51' 7.81"W.

Archer Western Construction will be replacing one culvert along the Okeechobee Waterway near Clewiston (Culvert C-3) as part of the overall Herbert Hoover Dike Rehabilitation Project sponsored by the U.S. Army Corps of Engineers. Work is scheduled to be completed September 1, 2016. A 'No Wake Zone' has been established extending 1000 feet either side of the projects to ensure safe management of bi-directional traffic throughout the construction period. Mariners are advised they transit at their own risk. Transiting vessels are restricted to a controlling width of

FLORIDA - OKEECHOBEE WATERWAY: Herbert Hoover Dike Rehabilitation Project CULVERT C-3 Replacement Adjacent to the Okeechobee Waterway.

20-ft minimum through Culvert C-3 project area, limited by a controlling depth of 6ft when the lake is at elevation +11.0-ft Mean Sea Level. Once culvert replacement is complete, the cofferdam will be removed and waterway restored. Construction will occur 5 to 6 days a week, with the possibility of night time work. Reports of vessel grounding have been received. Mariners should be aware of and diligently follow the instructions of signage located along the shoreline. Flagmen will be present as needed to signal vessels to stop or to proceed with caution. Mariners should be prepared to stop their vessel or proceed with caution as directed by flagmen.

Construction consists of steel and earthen cofferdams on both the lakeside and landside of the dike to create a self-contained work area. The waterway will be restricted and may be intermittently obstructed during the installation and removal of the cofferdams and during the process of replacing the culverts.

Recreational and commercial boaters are asked to use caution and be prepared to stop when navigating through this section of the waterway. Additional information concerning Lake Okeechobee, the Okeechobee Waterway and related navigation bulletins including controlling depths may be obtained on Jacksonville District's website at http://www.saj.usace.army.mil/

Chart 11428 LNM: 14/15

FLORIDA - OKEECHOBEE WATERWAY: Herbert Hoover Dike Rehabilitation Project CULVERTS 1 and 1A (UPDATE: 02/17/2015)

Odebrecht Construction, Inc. is replacing two culverts along the Okeechobee Waterway near Moore Haven (Culverts 1 and 1A) as part of the overall Herbert Hoover Dike Rehabilitation Project sponsored by the U.S. Army Corps of Engineers. Construction consists of the steel and earthen cofferdams on both the lakeside and landside of the dike to create a self contained work area. The waterway will be restricted and may be intermittently obstructed during the installation and removal of the cofferdams and during the process of replacing the culverts. Recreational and commercial boaters are asked to use caution and be prepared to stop when navigating through this section of the waterway between the Alvin L Ward park boat ramps and Uncle Joe's Fish Camp boat ramps. Flagmen will be present as needed to signal vessels to stop or to proceed with caution. The controlling width through Culvert 1A project area is 20ft minimum, limited by a controlling depth of 6ft when the lake is at elevation +11.0ft Mean Sea Level.

Due to the orientation of Culvert C1, construction activities for the western half of the cofferdam will be completed landward of the proposed cofferdam; however it is expected that all the equipment will stay within the limits of the construction, resulting in a navigable channel of approximately 45ft. Once the culvert replacements are complete, the cofferdams will be removed and waterway restored. Construction will occur 5 to 6 days a week, with the possibility of night time work. Signs and navigational markers are in place before the construction area to advise mariners to reduce speed and use caution.The project is anticipated to be completed in August, 2016. The Project point of contact is Christopher Conerly at 225-936-8806 or cconerly@odebrecht.com.

Chart 11428 LNM: 09/12

FLORIDA - OKEECHOBEE WATERWAY: Herbert Hoover Dike Rehabilitation Project Culvert 2 – CLEWISTON

Harry Pepper & Associates, Inc. will be replacing one culvert along the Okeechobee Waterway near Clewiston (Culvert C-2) as part of the overall Herbert Hoover Dike Rehabilitation Project sponsored by the U.S. Army Corps of Engineers. Construction will occur 5 to 6 days a week, with the possibility of night time work. Construction consists of steel and earthen cofferdams on both the lakeside and landside of the dike to create a self-contained work area. The coordinates for the work site are as follows; 26°45'51"N, 80°55'32"W. Recreational and commercial boaters are asked to use caution when navigating through this section of the waterway west and adjacent to the Hoover Dike Road City Boat Ramp and Clewiston City Marina and Boat Ramp. All vessels should operate as slow to idle speeds with only enough forward movement to maintain control of the vessel. Boaters are responsible for any damage from boat wakes they create. Two (2) obstruction buoys with solar powered lights, reflectorized hazard warning and symbol will be placed at the outermost edge of cofferdams obstructing the waterway to delineate the cofferdam location and guide boaters through the work zone area. Once the culvert replacements are complete, the cofferdams will be removed and waterway restored. The project is anticipated to be completed in November 2017. For further information contact Mike Nelson, 863-902-1303 or mnelson@hpepper.com

Chart 11428 LNM: 37/15

FLORIDA - OKEECHOBEE WATERWAY - HARNEY POND CANAL: Replacement of Culverts (Herbert Hoover Dike Rehabilitation Project)

Thalle Construction Company, Inc. is replacing two culverts along the Harney Pond Canal waterway near Lakeport, FL, located on the Seminole Tribe of Florida property, Culverts HP-2 and Culvert HP-3 as part of the overall Herbert Hoover Dike Rehabilitation Project sponsored by the U.S. Army Corps of Engineers.

Construction consists of the steel cofferdams on both the lakeside and landside of the dike to create a self-contained work area. The waterway will be obstructed during the installation and removal of the cofferdams and during the process of replacing the culverts. Recreational and commercial boaters are asked to use caution when navigating through this section of the waterway between 27-00-43.522N 081-04-12.738W and 27-00-43.523N 081-04-10.204W.

Nine (9) obstruction buoys with reflectorized hazard warning and symbols will be placed at the outermost edges of the buoys obstructing the waterway to delineate the construction location and guide boaters away from the work zone area. Once the culvert replacements are complete, the cofferdams will be removed and waterway restored. Construction will occur 5 days a week, with the possibility of night time work. The project is anticipated to be completed in January 2019. The Project point of contact is Bill Miller at 336-212-2422 or bmiller@thalle.com.

Chart 11428 LNM: 24/15

FLORIDA – GIWW – TAMPA BAY TO PORT RICHEY – SAND KEY: Hazard to Navigation (UPDATE: August 18, 2016)

The U.S. Coast Guard located a steel pile 4ft below the waterline in the vicinity of Sand Key Daybeacon 18 (LLNR 61435). Daybeacon 18 was

FLORIDA – GIWW – TAMPA BAY TO PORT RICHEY – SAND KEY: Hazard to Navigation (UPDATE: August 18, 2016)

destroyed early July 2016 and marked with a TRLB. Daybeacon 18 was rebuilt in position 27-49-16.620N/ 082-48-34.100W. The Coast Guard was unable to remove the steel pile stump. Mariners are advised to stay within the marked channel at all times to avoid hitting the steel stump hazard. (Ref: LNM 34/16)

Chart 11411 LNM: 28/16

FLORIDA - AICW - TAMPA BAY TO PORT RICHEY -BOCA CIEGA BAY TO ANCLOTE ANCHORAGE: Hazard to Navigation.

The Narrows Daybeacon 9 (LLNR 61510) is destroyed. The remains of the pile pose a hazard to navigation. Mariners are advised to use extreme caution while transiting the area.

Chart 11411 LNM: 40/16

SECTION VIII - LIGHT LIST CORRECTIONS

An Asterisk *, indicates the column in which a correction has been made to new information

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
1610	*Cross Florida Barge Canal Approach Lighted Buoy 2*						Remove from list. *	40/16
32110	*Bahia De Guayanilla Lighted Buoy 6* Marks end of shoal.	17-59-12.179N 066-46-02.130W	Fl R 4s		5 *	Red.		40/16
47113	Delray Beach Shoal Buoy	26-25-53.385N 080-03-53.570W				White.		40/16
58330	Venice Inlet-Siesta Key Daybeacon 64A	* 27-15-35.043N 082-32-07.527W *				TR-TY on pile.		40/16

PUBLICATION CORRECTIONS

None

ENCLOSURES

1. Summary of Dredging and Marine Construction

Weekly updates

2. Summary of Shoaling and Hazardous Situations

Weekly updates

3. Summary of Bridge Construction and Repair/Drawbridge Status

Weekly updates

4. Summary of Safe Boating Programs

Auxiliary Programs and Classes

LNM: 01/15

5. Summary of Marine Events

Weekly Updates

LNM: 01/15

6. Private Aids to Navigation Determined Abandoned

Weekly Updates

7. Gator Dredging - Turkey Creek Muck Removal Project Map

FI, Indian River

LNM: 04/16

8. Cashman - Project Vicinity Map

FI, AICW, Fort Lauderdale

LNM: 19/16

90. Norfolk Dredging - Longboat Pass and New Pass, Project Vicinity Map

FI, Sarasota

LNM: 31/16

10. Southwind Construction - Pipeline Route Plan

FI, Naples, Gordons Pass

LNM: 33/16

11. Gator Dredging

FI, Alligator Creek

LNM: 34/16

12. Gator Dredging - Save Crystal River Project

FI, Crystal River

LNM: 34/16

13. GLDD, Duval County Shore Protection Project (UPDATE: 9/23/2016)

FI, Jacksonville

LNM: 35/16

14. Gator Dredging

FI, Clearwater Pass

LNM: 36/16

S. A. Buschman
Rear Admiral, U.S. Coast Guard
Commander, Seventh Coast Guard District

SUMMARY OF DREDGING/MARINE CONSTRUCTION PROJECTS CURRENTLY IN PROGRESS

The Coast Guard released Marine Safety Alert 14-15, Don't Fear, Steer Clear of Dredging Equipment Hazards. This Safety Alert brings awareness to the hazards associated with dredging for recreational and commercial vessels. Mariners should be aware of these hazards – see more at: http://www.uscg.mil/hq/cg5/cg545/alerts/1415.pdf

SC-Charleston Harbor-Cooper River – SJH/BANKS, Site Preparation Project, completion DEC 2017, Marty Kenealy (843) 872-8002, chart: 11524, Ref: LNM 28/16, 38/16.

SC-Charleston Harbor-Cooper River – Marinex/SAVANNAH, completion 30 SEP 2016, Marinex (843) 722-9083, chart: 11524, Ref: LNM 19/16.

SC-Charleston Harbor – Marinex/PETER DEJONG, completion 15 JAN 2017, Marinex (843) 722-9083, chart: 11524, Ref: LNM 40/16.

SC-AICW-Calibogue Sound – Weeks Marine/Tugs, Dredge C.R. MCASKILL, POC: Miguel Cruz, (985) 875-2500 or macruz@weeksmarine.com, completion 15 NOV 2016, charts: 11507, Ref: LNM 07/16, 09/16, 12/16, 13/16, 14/16, 21/16, 22/16.

GA-Savannah-The Bight Channel – Marinex/HAMPTON ROADS, completion 15 OCT 2016, POC: Marinex (843) 722-9083. Ref: LNM 15/16, 22/16, 23/16, 29/16, 37/16.

GA-Savannah Harbor-Kings Island T/B – Marinex/CHEROKEE, completion 30 NOV 2016, POC: Marinex (843) 722-9083. Ref: LNM 29/16, 37/16, 38/16.

FL-St Johns-Jacksonville – Manson/BECHTOLT, POC: Charles Markham (904) 524-7646, completion end DEC 2016, chart: 11491, Ref: LNM 47/15, 39/16.

FL-St Johns-Jacksonville – GLDD/TERRAPIN ISLAND, POC: Jeremy Remme (630) 207-3282 or email JJRemme@gldd.com, completion NOV 2016, chart: 11491, Ref: LNM 32/16.

FL-AICW-Indian River – Gator Dredging, Project POC: Tyler McDougal (727) 527-1300 or tyler@gatordredging.com, completion 30 OCT 2016, chart: 11472, Ref: LNM 04/16, 30/16.

FL-Hillsboro Canal – Diversified, Project POC: Clinton Hodges (561) 722-5630, completion 10 OCT 2016, chart: 11467, Ref: LNM 18/16, 39/16.

FL-AICW-Fort Lauderdale – Cashman Dredging/CAPTAIN A.J. FOURNIER, POC: Stephen Tobin, (877) 294-9990 or (888) 280-9630, completion: end of APR 2017, chart: 11470, Ref: LNM 19/16.

FL-Miami-Norris Cut Channel - Nicholson Construction/Tunneling, POC: Eloy Ramos (412) 715-3265, completion end OCT 2016, chart: 11467, Ref: LNM 38/15, 01/16, 34/16

FL-Naples-Gordons Pass – Southwind Construction/WILKO, Southwind (812) 868-7006, completion 01 NOV 2016, Chart: 11430, Ref: LNM 33/16.

FL-OWW-Route 2 – ACOE/Replacing multiple Culverts along Route 2 from Port Mayaca to Moore Haven POC: Carl Williams (863) 983-8101, completion 2017, chart: 11428, Ref: LNM 28/15.

FL-OWW-Herbert Hoover Dike Rehab Project – Thalle Construction/Culverts 10 and 12, POC: Tim Pernsteiner (919) 282-4674 or tpernsteiner@thalle.com completion 2017, chart: 11428, Ref LNM 28/14.

FL-OWW-Herbert Hoover Dike Rehab Project – Archer Western Construction /Culvert C-3, POC: Buck Rand (813) 849-7500, completion 01 SEP 2016, chart: 11428, Ref: LNM 14/15.

FL-OWW-Herbert Hoover Dike Rehab Project – Odebrecht Construction /Culverts 1 and 1A, POC: Christopher Conerly (225) 936-880 or cconerly@odebrecht.com completion AUG 2016, chart: 11428, Ref: LNM 09/12, 40/12, 07/15.

FL-OWW-Herbert Hoover Dike Rehab Project – Harry Pepper & Assoc/Culvert C-2, POC: Mike Nelson (863) 902-1303 or mnelson@hpepper.com, completion NOV 2017, chart: 11428, Ref: LNM 37/15.

FL-OWW-Harney Pond Canal – Thalle Construction/Culverts HP-2 and HP-3, POC: Bill Miller (336) 212-2422, or bmiller@thalle.com, completion JAN 2019, chart: 11428, Ref: LNM 23/15.

FL-Bradenton Beach – Cayo, Concrete Groin Removal Ops, POC: (903) 360-5176, completion end of DEC 2016, chart: 11425, Ref: LNM 11/15, 39/16.

FL-New Pass & Longboat Pass – Norfolk Dredging/PULLEN, POC: (757) 547-9391, completion 10 OCT 2016, charts: 11424, 11425, Ref LNM 31/16.

FL-West Coast-Long Boat Key Pass-Bradenton Beach – Cayo Inc/Barge GRANITE II and Tug EMMA D, POC: (903) 360-5176, completion JUL 2016, chart: 11425, Ref: LNM 11/15, 51/15.

FL-West Coast-Tampa Bay-Cuts A/C/D - Cashman/ATCHAFALAYA AND DALE PYATT, POC: Aaron Barton (617) 890-0600, completion 06 MAY 2017, chart: 11416, Ref LNM 40/16.

FL-West Coast-Alligator Creek – Gator Dredging, Tyler McDougal (727) 527-1300 or tyler@gatordredging.com, completion 31 Dec 2016, chart: 11426, Ref: LNM 34/16.

FL-West Coast-Port of Tampa – Orion/DRAVO, POC: Justin Chorlog (813) 835-2847, completion 15 APR 2017, chart: 11416, Ref: LNM 38/14, 32/15, 38/15, 19/16.

FL-West Coast-Clearwater – Gator Dredging, Tyler McDougal (727) 527-1300 or tyler@gatordredging.com, completion 30 NOV 2016, chart: 11411, Ref: LNM 36/16.

FL-West Coast-Crystal River – Gator Dredging, POC: Tyler McDougal (727) 527-1300 or tyler@gatordredging.com, completion 01 DEC 2016, chart: 11409, Ref LNM 34/16.

West Indies-Puerto Rico-Bahia De San Juan – Manson/Isla Grande Terminal, Manson (206) 220-7280, completion SEP 2016, chart: 25670, Ref: LNM 46/15, 32/16.

SHOALING

The below list is not all inclusive. The U.S. Army Corps of Engineers publishes Channel Condition Surveys and Hydrographic Surveys that may be found on the Charleston, Savannah, and Jacksonville District US Army Corps of Engineers websites.

Charleston District:
http://www.sac.usace.army.mil/ Savannah District: http://www.sas.usace.army.mil/
Jacksonville District:
http://www.saj.usace.army.mil/

LOCATION	SIGNIFICANT INFORMATION
SC-St Helena Sound Chart: 11517 Ref: LNM 28/16	Shoaling has been reported extending from COMBAHEE BANK LIGHT (LLNR 4040) approximately 1NM in a southeast direction. Depths are reported between 5-15ft at MLW, while Chart # 11517 show between 22-25ft.
SC-AICW-Winyah Bay Charleston Harbor Chart: 11518 Ref: LNM 44/13, 37/16	Shoaling reported IVO Winyah Bay-Charleston Harbor LT 35 (LLNR 34235) and DBN 42 (LLNR 34260). The ACOE has no future plans for dredging due to budget restrictions. Further information can be found on the ACOE Charleston website http://www.sac.usace.army.mil/
SC-AICW-Winyah Bay Charleston Harbor Chart: 11518 Ref: LNM 35/13, 36/14	Shoaling reported northeastern tip of the Ashepoo-Coosaw Cutoff near Ashepoo-Coosaw LT 177 (LLNR 35195). Another area is at the southwestern tipoff the Ashepoo-Coosaw cutoff between Ashepoo-Coosaw C/O DBN 180 (LLNR 35195.3) and DBN 185(LLNR 35205.2) The ACOE has no future plans for dredging due to budget restrictions. Further information can be found on the ACOE Charleston website http://www.sac.usace.army.mil/
GA-AICW-St Simons Sound-Jekyll Creek Chart: 11489 Ref: LNM 38/16	Shoaling was found between Jekyll Creek Daybeacon 20A (LLNR 37346) 31-03-05.915N / 081-25-24.009W and Jekyll Creek Light 25 (LLNR 37360) 31-01-51.060N / 081-26-07.080W with a depth of 3ft at MLW.
GA- St Andrew Sound Chart: 11504 Ref: LNM 38/16	Shoaling was found between St Andrew Sound Buoy 1 (LLNR 6405) 30-55-36.352N / 081-20-39.833W and St Andrew Sound Buoy 9 (LLNR 6430) 30-58-45.584N / 081-23-16.639W with a reported depth 6ft at MLW.
GA/FL-St Marys River Chart: 11503 Ref: LNM 19/14	Excessive shoaling protruding approximately 15ft into the channel between St Marys River DBN 6 (LLNR 6805) and DBN (LLNR 6810) reestablished TRUB Buoy 6A in position 30- 42-52.379N 081-32-00.613W.
FL-AICW-Fernandina River Chart: 11489 Ref: LNM 19/14	Excessive shoaling visible at low-tide IVO Fernandina Beach LT 3 (LLNR 37990) reestablished. Fernandina Beach TRUB 2 in position 30-38-54.689N/081-29-03.486W.
FL-AICW-Gunnison Cut Chart: 11489 Ref: LNM 20/14	Extreme shoaling at low-tide IVO Gunnison Cut DBN 73 (LLNR 38270) in position 30-26 46.733N/081-26-54.250W.
FL- Indian River South Section Chart: 11472 Ref: LNM 21/16	Indian River (South Section) Lighted Buoy 188A has been temporarily established in position 27-27-02.163N/080-18-54.202W to mark a shoal encroaching the channel from the west. Water depths were found as low as 4ft in the channel.

FL-Gordon Pass Chart: 11430 Ref: LNM 06/16, 38/16	Gordon Pass Shoal Light (LLNR 17450) temporarily disestablished dredge operations (Ref: LNM 38/16) Gordon Pass Daybeacon 1 (LLNR 17453) temporarily disestablished dredge operations (Ref: LNM 38/16) Gordon Pass Channel Light 2 (LLNR 17455) replaced by A TRLB displaying Fl R 4s, 3NM
FL-Wiggins Pass Chart: 11427 Ref: LNM 28/16	Shoaling reported in Wiggins Pass between Safe Water Light WP (LLNR 17775) 26-17-15.600N/081-50-08.400W and Wiggins Pass Daybeacon 12 (LLNR 17815) 26-17-23.000N/081-49-39.000W.
FL-New Pass (Lee County) Chart: 11427 Ref: LNM 15/16 *Norfolk Dredging in progress*	Shoaling is occurring from Private aid New Pass Lighted Buoy 1 (LLNR 17964) position 26- 22-19.080N/081-52-27.960W to Buoy 4 (LLNR 17970) position 26-22-38.460N/081-52- 09.330W.
FL- Big Carlos Pass Chart: 11427 Ref: LNM 15/16	Shoaling is occurring from Private aid Big Carlos Pass Lighted Buoy 1 (17975) position 26- 23-11.760N/081-53-27.100W to the SR 865 Big Carlos Pass Bridge.
FL-Big Sarasota Pass Chart: 11425 Ref: LNM 20/16	Mariners are advised to exercise extreme caution and use local knowledge of BIG SARASOTA PASS and its conditions due to shoaling before attempting passage through Big Sarasota Pass Channel, Shoal Daybeacon A (LLNR 21465) position 27-15-58.000N/ 082-33- 53.000W to Daybeacon 15A (LLNR 21530) position 27-18-17.609N/082-33-37.740W. Private Buoys are not charted due to constantly shifting shoals and Buoys may not signify best water.
FL-New Pass Chart: 11425 Ref: LNM 47/15, 02/16, 04/16, 09/16 *Norfolk Dredging in progress*	The Coast Guard no longer recommends using New Pass due to significant dangerous shoaling. Temporarily discontinue the following floating aids to navigation: New Pass Channel Buoy 1 (LLNR 21590) New Pass Channel Buoy 2 (LLNR 21595) New Pass Channel Buoy 3A (LLNR 21600) New Pass Channel Buoy 4 (LLNR 21603) New Pass Channel Buoy 5 (LLNR 21605) New Pass Channel Buoy 5A (LLNR 21610) New Pass Entrance Channel Light NP (LLNR 1345/21585) will be renamed NEW PASS SHOAL LIGHT with NW dayboards labeled "DANGER SHOAL" Fl Q W, 3NM New Pass Channel Light 7 (LLNR 21620) will be renamed NEW PASS INTERIOR SHOAL LIGHT with NW dayboards labeled "DANGER SHOAL" Fl Q W, 3NM
FL- New Pass Chart: 11425 Ref: LNM 38/16	There are reports of shoaling between New Pass Channel Light 13 (21705) 27-20 18.273N, 082-34-27.440W and New Pass Channel DBN 17 (21725) 27-20-28.987N / 082-33-54.003W. Surveyed depths show depths as low as 4.2ft MLLW in the channel. ACOE survey link http://www.saj.usace.army.mil/Missions/Civil Works/Navigation/Hydro-Surveys/
FL- Longboat Pass Chart: 11424 Ref: LNM 38/14, 12/15, 16/15 *Norfolk Dredging in progress*	Longboat Pass Approach LT (LLNR 1350/21755) relocated to 27-25-50.747N/082-41- 40.341W Longboat Pass DBN 1 (LLNR 21757) temporarily changed to TRUB 1 relocated to 27-25- 55.788N/082-41- 43.138W Longboat Pass DBN 2 (LLNR 21758) temporarily changed to TRUB 2 relocated to 27-25- 56.232N/082-41-40.045W Temp established TRUB 2A at 27-26-22.076N/082-41-39.324W Longboat Pass DBN 3 (LLNR 21760) temporarily changed to TRUB 3 relocated to 27-26- 10.131N/082-41-46.746W Temp established TRUB 3A at 27-26-20.809N/082-41-43.716W

FL-Pass A Grille Chart: 11411 Ref: LNM 19/16	Report of shoaling in Pass-A-Grille Channel in the vicinity of Daybeacon 7A (LLNR 25485) 27-40-38.910N/082-44-40.387W.
FL-Johns Pass Channel Chart: 11411 Ref: LNM 48/14	Entrance to Johns Pass Channel project depth 10ft. ACOE surveys found the project depth between Johns Pass Ch LT 2 (LLNR 25585) and LT 4 (LLNR 25600) reported soundings as low as 7.5ft. Shoaling exists between Johns Pass DBN 8 (LLNR 25625) and LT 10 (LLNR 25630) with Soundings as low as 3.6ft along the northern side of the channel. Severe Shoaling reported on the north side of the channel between Johns Pass Channel Daybeacon 1 (LLNR 25580) 27-46-37.333N/ 082-47-37.083W and Buoy 3 (LLNR 25585.5) 27-46-39.531N/ 082-47-18.862W Ref: LNM 19/16
FL-Hurricane Pass Channel Chart: 11411 Ref: LNM 25/16	Shoaling has been reported in the vicinity of Hurricane Pass-Gulf of Mexico-Pinellas County, between Private aids Hurricane Daybeacon 1 (25975) position 28-03-20.040N/082-49-50.640W and Daybeacon 18 (26025.5) position 28-02-53.820N/082-47-45.060W.
FL-Anclote Anchorage S Entrance Chart: 11411 Ref: LNM 42/14	Shoal exists with a depth of 2ft at high tide in approximate position 28-09-12.60N/082-50- 12.00W the shoal runs NW to SE between DBN 5 (LLNR 26085) and LT 7 (LLNR 26100) and extending across the channel. The Lateral Daymarks have been removed from Daybeacon 5 (LLNR 26085) and 6 (LLNR 26095) and replaced with non-lateral white daymarks worded “Danger Shoal”. Established TRUB 5 in position 28-09-04.908N/082-50- 20.881W and TRUB 5A in position 28-09-16.279N/082-50-10.078W.
FL-Anclote River Chart: 11411 Ref: LNM 31/14	Shoaling reported in the center of the Turning Basin IVO Anclote River DBN 51 (LLNR 26360) at 28-09-24.672N/082-45-32.307W and DBN 53 (LLNR 26365) 28-09-24.744N/082-45-29.448W.
FL-Cedar Keys Main Channel Chart: 11408 Ref: LMN 23/15, 28/15	Report of shoaling between Cedar Keys North West Channel LT 19 (LLNR 29995) 29-07- 08.057N/083-03-06.291W and DBN 22 (LLNR 30010) 29-07-08.117N/083-02-58.731W with depths as low as 1ft at low tide.
FL- Matlacha Pass Chart: 11426 Ref: LNM 16/15	Shoaling reporting IVO Private Aid Matlacha Pass DBN 56 (LLNR 55140) 26-38- 06.864N/082-04-14.028W.

SPECIAL NOTICE:

Location	Type of Work	EST Comp Date	Bridge	Ref LNM
SC-ICW-Myrtle Bch	Bridge Construction	MAY 17	SC 31/Carolina Bay Pkwy	07-14
SC-Wando River	Bridge Construction	MAR 17	Wando Riv Bridge	34-15
FL-ICW- St Simons Snd to Tolomato Riv	Bridge Construction	NOV 16	Sister's Creek	05-15/14-16
FL-St Johns Riv-Jacksonville	Bridge Repairs	FEB 17	Dames Pt/I-295 Bridge	22-16
FL-St Johns Riv-Jacksonville	Bridge Repairs	APR 17	Main St Bridge	23-16
FL-ICW-Halifax Riv-Daytona Bch	Bridge Construction	NOV 18	Veteran Memorial Bridge	23-16
FL-ICW-Tolomato Riv – Palm Shores-Cocoa	Bridge Repairs	JAN 17	SR 520 Bridge	10-16
FL-ICW-W Palm Bch – Palm Bch	Bridge Construction	DEC 16	Flagler Memorial Bridge	01-12/32-12
FL-ICW-W Palm Bch – Miami – N Fork New Riv	Bridge Construction	MAY 18	Broward Blvd Bridge	38-16
FL-ICW-W Palm Bch – Miami – New River	Bridge Construction	MAR 17	CSX R/R Bridge	50-13/26-16
FL-ICW-W Palm Bch – Miami – Dania Cutoff	Bridge Construction	MAY 17	Ravenswood Rd Bridge	38-15
FL-ICW-W Palm Bch – Miami – Sunny Isles	Bridge Construction	DEC 16	Town Center Park Canal Bridge	11-16
FL-ICW-W Palm Bch – Miami	Bridge Repairs	DEC 16	E Venetian Bridge	15-16
FL-Miami Riv	Fender Repairs	DEC 16	I-95 Bridge	52-15
FL-Miami Riv-Miami Canal	Bridge Construction	JAN 17	Tamiami Canal Bridge	12-16
FL Keys – Largo	Bridge Repairs	APR 17	Card Snd Rd Bridge	11-16
FL-Charlotte Hbr – E Spring Lake	Bridge Construction	NOV 16	Edgewater Dr Bridge	06-15
FL-Charlotte Hbr – W Spring Lake	Bridge Construction	NOV 16	Edgewater Dr Bridge	06-15
FL-Charlotte Hbr – Sunrise W/W	Bridge Construction	NOV 16	Edgewater Dr Bridge	06-15
FL-OWW – Caloosahatchee Riv	Bridge Repairs	OCT 16	SR 45/US 41 Bridge	21-16
FL-Hurricane Bay	Scour Protection	NOV 16	Under SR 865 Bridge	23-16
FL-Charlotte Hbr – Myakka Riv	Bridge Repairs	OCT 16	SR 776 Bridge	21-16
FL-Tampa Bay-Manatee Riv	Bridge Construction	FEB 17	Fort Hamer Bridge	31-15

B. DRAWBRIDGE STATUS SUMMARY

The following is a list of known drawbridge discrepancies, restrictions, and closures in navigable waters of the Seventh Coast Guard District. Additional information regarding bridges can be found in Volume 4 (Cape Henry to Key West) or Volume 5 (Gulf of Mexico, Puerto Rico and Virgin Islands) of the U.S. Coast Pilot, 33 CFR 117, or by calling (305) 415-6744. Unless otherwise noted in the date column, the described status will be in effect until further notice. Mariners knowing of bridge activities not listed below are urged to notify the Seventh Coast Guard District Bridge Branch.

BRIDGE	LOCATION	DATE	STATUS	REF
US 17	Ashley Riv, Char, SC	Until further notice	Single-leaf Ops	22-16
Main St	St Johns Riv, Jacksonville	Oct 8, 2016 7 am – 7:45 am	Closed to Nav	38-16
Main St	St Johns Riv, Jacksonville	Until April 6, 2017	Special Regs	23-16
CSX – Trout Riv	Trout Riv, Jacksonville, FL	Until further notice	Special Regs	09-15
Leonard B Knox	AICW, , South Bulow, FL	Until Nov 2016	Single-leaf Ops	37-16
Flagler Memorial	AICW, W Palm Bch, FL	Until further notice	Special Regs	12-13
OceanBlvd (SR A1A)	Boca Raton Inlet, FL	Nov 6, 2016 6:45 am – 8 am	Closed to Nav	32-16
East Venetian	Indian Cr, Miami, FL	Until Further Notice	Closed to Nav	49-14/10-16
Tom Adams	GICW, Englewood, FL	Jul 14, 2016 – May 31, 2017	Single-leaf Ops	28-16

C. BRIDGE INFORMATION.

SOUTH CAROLINA – CHARLESTON HARBOR – ASHLEY RIVER – US 17 BRIDGE: Single-leaf Operations.

Due to a malfunction the US 17 Bridge across the Ashley River, Charleston, South Carolina is currently on single-leaf operations until further notice.

Ref: LNM 22 through 39-16 Chart: 11524

SOUTH CAROLINA – CHARLESTON HARBOR – WANDO RIVER – WANDO RIVER (SC 41) BRIDGE: Bridge Construction.

The South Carolina Department of Transportation has advised the Coast Guard that their contractors PCL Civil Constructors Inc are currently working on building the new Wando River(SC 41) Bridge, South Carolina. The contactor will have floating equipment in the waterway during this project. This project is expected to be completed in March 2017.

For on-scene communications, contact the tug "MRS BRIDGETTE" on VHF-FM channels 13 and 16. For questions regarding the maintenance, please contact the South Carolina Specialized Bridge Division at: (843) 740-1695. If you have additional questions or concerns regarding this matter, please contact Coast Guard Sector Charleston at: (843) 740-7050.

Ref: LNM 34-15 through 39-16 Chart: 11524

FLORIDA – ST JOHNS RIVER – DAMES POINT (I-295) BRIDGE: Bridge Repairs.

M&J Construction has advised the Coast Guard that they will be working on the Dames Point(I-295) Bridge across the St Johns River, Jacksonville, Florida from August 16, 2016 through February 2017. There will be floating equipment in the vicinity of the bridge. Due to the width of the channel, the contractor does not anticipate any vessel restriction throughout this project length. Mr. Garrett Harrison with Hal Jones Contracting is the Point of Contact for this project and can be reached at 904-509-2472

Ref: LNM 22 through 39-16 Chart: 11491

FLORIDA – ST JOHNS RIVER – HART BRIDGE: Bridge Repairs.

Abhe & Svoboda, Inc. has advised the Coast Guard that they will be working on the Hart Bridge across the St Johns River, Jacksonville, Florida. In order to perform these bridge repairs, the contractor will be installing scaffolding from the bridge which will reduce the vertical clearance by less than 5 feet at any time. This work is anticipated to start on October 21, 2016 and will be completed by August 15, 2017.

Ref: LNM 39-16 Chart: 11491

FLORIDA – ST JOHNS RIVER – MAIN STREET BRIDGE: Bridge Closure.

The Main Street Bridge across the St Johns River, Jacksonville, Florida will be closed to navigation from 7:00 a.m. to 7:45 a.m. on Saturday, October 8, 2016 to facilitate the Jacksonville Marine Corps ½ Marathon and Freedom 5K Event.

Ref: LNM 38 and 39-16 Chart: 11491

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

M&J Construction has advised the Coast Guard that they will be working on the Main Street Bridge across the St Johns River, Jacksonville, Florida from June 6, 2016 through April 6, 2017. The bridge operations schedule has been temporarily changed to allow the time needed to complete these repairs; therefore from June 6, 2016 through April 6, 2017, Monday through Friday except Federal holidays the Main Street Bridge will only open at 12 midnight, 4:00 a.m., 6:45 a.m., 12 noon, 4:15 p.m. and 8:00 p.m. On Saturdays, Sundays, Federal holidays, Jaguars game days, the weeks leading up to the Florida/Georgia and ND/Navy football games, and for any other unforeseen event that would seriously impact navigation the bridge will operate on its normal schedule. There will be floating equipment in the vicinity of the bridge; but they do not anticipate restriction navigation during these repairs.

Please contact Mr. Alan Dale: 561.818.9534 or Mr. Eddie Beard: 904.652.3237 for updates.

Ref: LNM 23 through 39-16 Chart: 11491

FLORIDA – ST JOHNS RIVER – TROUT RIVER – CSX RAILROAD BRIDGE: Bridge Closure.

The Coast Guard has been advised that the CSX Railroad Bridge across Trout River, Jacksonville, Florida will be opened to navigation from 9:00 a.m. to 3:00 p.m. each day, except for the possibility of one train crossing during this time. The bridge will remained closed to navigation from 3:00 p.m. to 9:00 a.m. and will be unable to open under any circumstances. The estimated time of repair is unknown. The Coast Guard Captain of the Port Jacksonville will provide updates via Broadcast Notice to Mariners. The vertical clearance of the CSX R/R Bridge in the closed position is 2 feet.

Ref: LNM 09-15 through 39-16 Chart: 11491

FLORIDA - ST JOHNS RIVER – DUNNS CREEK – US17/SR 15 BRIDGE: Special Bridge Notice.

The Coast Guard has issued a public notice announcing an application from the Florida Department of Transportation for the approval of location and plans for a fixed highway bridge and multi-use path spanning Dunns Creek at mile 0.9 at Satsuma, Putnam County, Florida, Latitude: 29.578°N, Longitude: 81.626°W. This public notice PN 07-16 which solicits comments for a 30 day period may viewed and printed by accessing web site http://www.navcen.uscg.gov/?pageName=pnBridges&Active=1&region=7 , or by calling the Coast Guard Project Manager, Mr. Gwin Tate at (305) 415-6747.

Ref: LNM 34 through 39-16
Chart: 11495 CG File: 3929

FLORIDA – BOCA RATON INLET – OCEAN BOULEVARD (SR A1A) BRIDGE: Bridge Closure.

The Ocean Boulevard (SR A1A) Bridge across Boca Raton Inlet, Boca Raton, Florida will be allowed to not to navigation from 6:45 am. To 8:00 a.m. on Sunday, November 6, 2016 to facilitate the Annual Boca Raton Police Athletic league Half Marathon event.

Ref: LNM 34 through 39-16 Chart: 11467

FLORIDA – MIAMI ENTRANCE CHANNEL – MIAMI BEACH CHANNEL – EAST VENETIAN BRIDGE: Bridge Discrepancy.

The East Venetian Bridge is closed to navigation until further notice, due to mechanical/electrical issues.
Miami-Dade County has advised the Coast Guard that they will need an additional time to repair the East Venetian Bridge to operational status. Therefore, this bridge will remain closed to navigation until approximately December 30, 2016.

Ref: LNM 39-14 through 39-16 Chart: 11467

FLORIDA – MIAMI ENTRANCE – MIAMI RIVER: Fender System Damage.

The I-95 Bridge Fender System across the Miami River, Miami, Florida, has been damaged. Mariners are requested to use caution in this area. The bridge owner will be repairing this system in the near future. Waterway restrictions are anticipated.

Ref: LNM 52-15 through 39-16 Chart: 11467

FLORIDA – MIAMI ENTRANCE – MIAMI RIVER – MIAMI CANAL – TAMIAMI CANAL BRIDGE: Bridge Construction.

The U.S. Coast Guard has authorized the closure of the Miami Canal, Miami, Florida, due to the removal of the Tamimai Canal Swingbridge. The Miami Canal will be closed to navigation from 7:00 a.m. on March 30, 2016 through 7:00 a.m. on April 3, 2016. After this date that contractor, Archer Western will need various short waterway restriction while the new bridge is being build. This work is expected to continue until February 14, 2018.

Ref: LNM 11 through 39-16 Chart: 11467

FLORIDA – GULF COAST – MATANZAS PASS – ESTERO PASS – HURRICANE BAY: SR 865 BRIDGE: Scour Countermeasures/Waterway Restrictions.

Coastal Marine Construction will be installing scour countermeasures under the SR 865 Bridge across Hurricane Bay from July 2016 through November 2016. There will be floating equipment in the vicinity of the bridge and at times the waterway will be closed. Contact the on-scene tug on VHF-FM channels 13/16 for additional information.

Ref: LNM 23 through 39-16 Chart: 11427

FLORIDA – ESTERO BAY TO LEMON BAY – CHARLOTTE HARBOR – EAST AND WEST SPRING LAKE AND SUNRISE WATERWAY – EDGEWATER DRIVE BRIDGE: Bridge Construction.

Thomas Marine Construction, Inc has advised the Coast Guard that they are replacing and widening three bridges along the Edgewater Driver Corridor in Port Charlotte across the East Spring Lake, West Spring Lake and Sunrise Waterway. This work is anticipated to start on October 1, 2016. The contractor anticipated leaving one of the spans open at all times for marine traffic. Any channel restrictions or temporary closures will be coordinated with the Coast Guard and published in the Local Notice to Mariners.

Update: The contractor has advised the Coast Guard that they will be reducing the vertical clearance of the main span by 2 ½ feet during installation of the new spans.

Ref: LNM 08-15 through 39-16 Chart: 11426

FLORIDA – GULF COAST – ESTERO BAY TO LEMON BAY INCLUDING CHARLOTTE HARBOR – MYAKKA RIVER – SR 776 BRIDGE: Bridge Repairs.

Inland Construction and Engineering, Inc. has advised the Coast Guard that they will be working on the SR 776 Bridge across the Myakka River, Charlotte Harbor, Charlotte County, Florida from May 24 through October 22, 2016. Work conduced will involve concrete repairs to the bridge pilings. Repairs will be performed on floating platforms including barges. The work conducted in not expected to impact vessel traffic through the main channel. Mariners are requested to proceed with caution.

Ref: LNM 21 through 39-16 Chart: 11426

FLORIDA – GULF COAST – LONGBOAT KEY – NEW PASS BRIDGE: Bridge Repairs.

All Mariners be advised that the New Pass Bridge, Sarasota, FL will be under construction from August 22, 2016 through April 1, 2017. The construction will include floating equipment in the vicinity of the bridge. This equipment will not obstruct vessels; however mariners are advised to stay clear of all construction equipment and use extreme caution when transiting this area. Contact Quinn Construction at 941-722-7722 for further details.

Ref: LNM 34 through 39-16 Chart: 11425

FLORIDA – WEST COAST – TAMPA BAY – MANATEE RIVER – FORT HAMER BRIDGE: Bridge Construction.

Johnson Brothers Corporation has advised the Coast Guard that they have begun work on the Fort Hamer Bridge across the Manatee River, Manatee County, Florida. The contractor will have floating equipment in the area starting July 24, 2015. Anticipated waterway restrictions/closures will start in April 2016 through December 2016. This estimated time of completion is February 28, 2017.

Ref: LNM 30-15 through 39-16 Chart: 11415

FLORIDA – WEST COAST – TARPON SPRINGS – US HIGHWAY 19 ALT BRIDGE: Vertical Clearance Obstruction.

The Florida Department of Transportation has advised the Coast Guard that the pipeline below the US Highway 19 Alternate Bridge across Tarpon Springs, Florida is sagging which has reduced the vertical clearance of this bridge. FDOT is working with the pipeline owner to correct this issue.

Ref: LNM 33 through 39-16 Chart: 11411

SOUTH CAROLINA – ATLANTIC INTRACOASTAL WATERWAY – CAPE FEAR RIVER TO CASINO CREEK – MYRTLE BEACH – SC 31 (CAROLINA BAYS PARKWAY) BRIDGE: Bridge Construction.

The South Carolina Department of Transportation has hired Flatiron Constructors Inc. who has started building the SC 31, Carolina Bays Parkway, Myrtle Beach, Horry County, South Carolina. This project is anticipated to be completed by May 17, 2017 and will involve some waterway restrictions/closures. These channel restrictions/closures anticipated for this project will be published in future Local Notice to Mariners.

Ref: LNM 07-14 through 39-16 Chart: 11534

FLORIDA - ATLANTIC INTRACOASTAL WATERWAY - ST SIMONS SOUND TO TOLOMATO RIVER - HECKSHER DRIVE/SISTERS CREEK BRIDGE: Bridge Construction.

Archer Western Contractors, LLC has advised the Coast Guard that they are working on constructing the new High-Level Fixed Sisters Creek Bridge across the Atlantic Intracoastal Waterway, mile 739.2, Jacksonville, Duval County, Florida.

** UPDATE **

The navigational channel at Sisters Creek Bridge will be restricted to a 35-foot horizontal clearance intermittently from 7 a.m. to 7 p.m., from April 1st until November 30, 2016 for the installation of the fendering system. The channel may be completely closed for short periods of time to lift heavy loads during the day.
If your vessel has a wider beam and needs to pass, contact the bridge tender to make arrangements.

The demolition of existing bridge is planned from August 15 through November 30, 2016.

Ref: LNM 05-15 through 39-16 Chart: 11489

FLORIDA – ATLANTIC INTRACOASTAL WATERWAY - TOLOMATO RIVER TO PALM SHORES – HALIFAX RIVER: Replacement of the Veterans Memorial Bridge.

Johnson Brothers Corporation will commence the deconstruction and rebuilding of the Veterans Memorial Bridge in Daytona Beach, FL. The project will begin on June 6th, 2016 and run until November 2018. The project will include the construction of a trestle to assist with the deconstruction and rebuilding of the entire span of the bridge. Recreational and commercial boaters are advised to use extra precaution when navigating through this section of the waterway. For more information contact Project Manager Jim Charles at (321) 200-3147.

Ref: LNM 23 through 39-16 Chart: 11485

FLORIDA - ATLANTIC INTRACOASTAL WATERWAY - TOLOMATO RIVER TO PALM SHORES - HIGHBRIDGE (LEONARD B KNOX) BRIDGE: Bridge Repairs.

The contractor Atlas Steel Coatings is working on the Highbridge Road (Leonard B. Knox) Bridge across the Atlantic Intracoastal Waterway mile 816.0, South Bulow, Volusia County, Florida. Starting September 22, 2016 this bridge will be allowed to open a single-leaf only with a four hour notice to the bridge tender for a double-leaf opening. This work will continue until the end of November 2016.

Ref: LNM 37 and 38-16 Chart: 11485

FLORIDA – ATLANTIC INTRACOASTAL WATERWAY – TOLOMATO RIVER TO PALM SHORES – CORONADO BEACH (GEORGE MUSSON) BRIDGE: Notice of Proposed Rulemaking.

The Coast Guard proposes modifying the operating schedule that governs the Coronado Beach (George Musson) Bridge across the Atlantic Intracoastal Waterway mile 845, New Smyrna Beach, FL. This proposed rule would change the existing 20 minute opening schedule to a 30 minute opening schedule between 7 a.m. and 7 p.m. This action would provide some relief to vehicle traffic congestion and would have little to no effect on navigation. The proposed rule will also add the local bridge name to the regulation published in the Code of Federal Regulations, George Musson/Coronado Beach (SR 44). We invite your comments on this proposed rulemaking. Comments and related material must reach the Coast Guard on or before July 11, 2016.

You may submit comments identified by docket number USCG-2016-0205 using the Federal eRulemaking Portal at http://www.regulations.gov.

Ref: LNM 20 through 39-16/Docket Number USCG-2016-0205 Chart: 11485

FLORIDA – ATLANTIC INTRACOASTAL WATERWAY – TOLOMATO RIVER TO PALM SHORES – INDIAN RIVER – COCOA BEACH – SR 520 BRIDGE: Bridge Repairs.

Southern Road and Bridge has been contracted by FDOT to repair the SR 520 Bridge across the Atlantic Intracoastal Waterway, Cocoa, Brevard County, Florida. This work will start on March 9, and will continue through January 3, 2017. The contractor is anticipating on having floating equipment in and around the channel consisting of barges, towing boats and transport boats. Vessels requiring a full channel clearance should contact the towing vessel on VHF-FM channel 13 for passing information. The vertical clearance will be reduced by4 feet on one-half the channel. The full 65 feet of vertical clearance will be available at all times by one-half the channel (45 feet of horizontal clearance). Mariners are requested to maintain minimum wake through this area.

Ref: LNM 10 through 39-16 Chart: 11485

FLORIDA – ATLANTIC INTRACOASTAL WATERWAY – PALM SHORES TO WEST PALM BEACH – FLAGLER MEMORIAL/ROYAL PARK/SOUTHERN BOULEVARD BRIDGES: Bridge Construction/Waterway Restriction/Temporary Bridge Regulation Changes/Update.

The Florida Department of Transportation has requested that the Flagler Memorial Bridge be placed on a restricted opening schedule until the new Flagler Memorial Bridge construction can be completed.

Mariners are reminded that the horizontal clearance at the Flagler Memorial Bridge is currently set at 70 feet and will remain until the new bridge is built and this bridge is removed.

Flagler Memorial Bridge Construction Update:

The main bascule spans of the new bridge are ready to be built along with concrete pours. This work will require the new spans to be left in the down position along with channel blockage due to floating equipment mandated to be in the waterway. The following schedule has been approved by the Coast Guard with the understanding that this method will take the least amount of time. This work will start on May 9 and will run through September 30, 2016

Please be advised this schedule may need to be changed due to approaching Heavy Weather.
Half-channel closures with the old Flagler Bridge also being on a single-leaf operation and nighttime closures from October 3 through October 7, 2016.
Channel open, double-leaf operations available from 5:00 p.m. October 7 through 6 a.m. October 11, 2016.
Half-channel closures with the old Flagler Bridge also being on a single-leaf operation and nighttime closures from October 11 through October 14,, 2016.
Half-channel closures with the old Flagler Bridge also being on a single-leaf operation from October 14 through October 15, 2016.
Channel open, double-leaf operations available from 5:00 p.m. October 15 through 6 a.m. October 17, 2016.
Half-channel closures with the old Flagler Bridge also being on a single-leaf operation from October 17 through October 19, 2016.
Channel open, double-leaf operations available from 5:00 p.m. October 19 through 6 a.m. October 20, 2016.
Half-channel closures with the old Flagler Bridge also being on a single-leaf operation from October 20 through October 22 2016.
Channel open, double-leaf operations available from 5:00 p.m. October 22 through 6 a.m. October 24, 2016.
Half-channel closures with the old Flagler Bridge also being on a single-leaf operation from October 24 through October 26 2016.
Channel open, double-leaf operations available from 5:00 p.m. October 26 through 6 a.m. October 27, 2016.
Half-channel closures with the old Flagler Bridge also being on a single-leaf operation from October 27 through October 29 2016.
Channel open, double-leaf operations available from 5:00 p.m. October 29 through 6 a.m. October 31, 2016.
Half-channel closures with the old Flagler Bridge also being on a single-leaf operation from October 31 through November 2 2016.
Channel open, double-leaf operations available from 5:00 p.m. November 2 through 6 a.m. November 3, 2016.
Half-channel closures with the old Flagler Bridge also being on a single-leaf operation from November 3 through November 5 2016.
Channel open, double-leaf operations available from 5:00 p.m. November 5 through 6 a.m. November 7, 2016.
Half-channel closures with the old Flagler Bridge also being on a single-leaf operation from November 7 through November 9 2016.
Channel open, double-leaf operations available from 5:00 p.m. November 9 through 6 a.m. November 10, 2016.
Half-channel closures with the old Flagler Bridge also being on a single-leaf operation from November 10 through November 11 2016.
Channel open, double-leaf operations available from 5:00 p.m. November 11 through 6 a.m. November 14, 2016.
Half-channel closures with the old Flagler Bridge also being on a single-leaf operation from November 14 through November 16 2016.
Channel open, double-leaf operations available from 5:00 p.m. November 16 through 6 a.m. November 17, 2016.
Half-channel closures with the old Flagler Bridge also being on a single-leaf operation from November 17 through November 19 2016.
Channel open, double-leaf operations available from 5:00 p.m. November 19 through 6 a.m. November 21, 2016.
Half-channel closures with the old Flagler Bridge also being on a single-leaf operation from November 21 through November 23 2016.
After this time the channel will be open with double-leaf available through November 28th. Additional closures/restriction will be published in the near future.

UPDATE:

The existing Flagler Memorial Bridge will remain on the following opening schedule - once an hour on the quarter-hour, with no openings at 8:15 a.m. or 4:15 p.m., Monday through Friday, except Federal holiday to allow for rush hour traffic.

Per 33 CFR §117.31 Drawbridge operations for emergency vehicles and emergency vessels.

(a) Upon receiving notification that an emergency vehicle is responding to an emergency situation, a drawtender must make all reasonable efforts to have the drawspan closed at the time the emergency vehicle arrives.

(b) When a drawtender receives notice, or a proper signal as provided in §117.15 of this part, the drawtender shall take all reasonable measures to have the draw opened, regardless of the operating schedule of the draw, for passage of the following, provided this opening does not conflict with local emergency management procedures which have been approved by the cognizant Coast Guard Captain of the Port:

(1) Federal, State, and local government vessels used for public safety;

(2) Vessels in distress where a delay would endanger life or property;

(3) Commercial vessels engaged in rescue or emergency salvage operations; and

(4) Vessels seeking shelter from severe weather.

Ref: LNM 45-12 through 39-16 Chart: 11472

FLORIDA – ATLANTIC INTRACOASTAL WATERWAY – WEST PALM BEACH TO MIAMI – NEW RIVER – FEC RAILROAD BRIDGE: Bridge Closure.

The FEC R/R Bridge across New River, Fort Lauderdale, Florida will be allowed to not to navigation from 11:00 p.m. on October 6th until 6:00 a.m. on October 7th and from 11:00 p.m. on October 7th until 6:00 a.m. on October 8th, 2016. The bridge can be opened if four hours advance notice is provided to the bridge tender.

Ref: LNM 39-16 Chart: 11467

FLORIDA – ATLANTIC INTRACOASTAL WATERWAY – WEST PALM BEACH TO MIAMI – NEW RIVER – FEC RAILROAD BRIDGE: Regulation Change.

The permanent regulation change for the FEC Railroad Bridge across the New River, Fort Lauderdale, Florida has been published in the Federal Register and will become effective October 24, 2016. USCG-2015-0271 can be found at:
https://www.federalregister.gov/documents/2016/09/23/2016-22915/drawbridge-operation-regulation-new-river-fort-lauderdale-fl
You may also go to federalregister.gov and place USCG-2015-0271 to locate this docket.

Ref: Docket Number USCG-2015-0271 Chart: 11467

FLORIDA – ATLANTIC INTRACOASTAL WATERWAY – WEST PALM BEACH TO MIAMI – NEW RIVER (NORTH FORK) – BROWARD BOULEVARD BRIDGE: Bridge Construction.

The Florida Department of Transportation has hired MCM to replace the Broward Boulevard Bridge across the North Fork of the New River, Fort Lauderdale, Broward County, Florida. Construction will start on October 8, 2016 and will consist of installation of a temporary bridge and removal of the existing bridge. Due to safety concerns the waterway under the bridge will be temporarily closed at various times. The vertical clearance at the Broward Boulevard Bridge is 4 ft at mean high water. This project is anticipated to be completed by May 2018.

Ref: LNM 38 and 39-16 Chart: 11467

FLORIDA – ATLANTIC INTRACOASTAL WATERWAY – WEST PALM BEACH TO MIAMI – NEW RIVER (SOUTH FORK) – CSX RAILROAD BRIDGE: New Bridge Construction/Temporary Regulation Change/Horizontal Clearance Reduction.

The contractor working on the CSX (SFRTA) Railroad Bridge replacement across the South Fork of the New River mile 2.8, Fort Lauderdale, Broward County, Florida has requested to temporarily change the regulation governing the existing CSX Railroad Bridge. This temporary regulation change has been approved and has placed this bridge to an on demand schedule whereas the bridge will be placed in the closed to navigation position during certain portions of the construction operations with an open on demand schedule. Mariners are requested to contact the bridge tender on VHF-FM channel 9 for opening and passing information.

The estimated completion date for this project is March 2017.

Ref: LNM 16-08 through 39-16 CG File: 2500
Chart: 11467

FLORIDA – ATLANTIC INTRACOASTAL WATERWAY – WEST PALM BEACH TO MIAMI – RAVENSWOOD ROAD BRIDGE: Bridge Construction.

The Florida Department of Transportation is replacing the Ravenswood Road Bridge across the Dania Cut-off Canal, Dania Beach, Florida. This project will start in early January 2016 and is anticipated to be completed by May 31, 2017. There will be floating equipment in the vicinity of the bridge during most of this work. The contractor is anticipating several waterway closures during the times that the new

steel is being placed across the waterway. For additional information, please contact Casey Liening, Public Information Officer at (954) 940-7585 or email: cliening@corradino.com.

Ref: LNM 38-15 through 39-16 Chart: 11467

FLORIDA – ATLANTIC INTRACOASTAL WATERWAY – WEST PALM BEACH TO MIAMI – MIAMI – SUNNY ISLES – TOWN CENTER PARK CANAL BRIDGE: Bridge Construction.

Ebsary Foundation has advised the Coast Guard that they will be starting construction of the Town Center Park Canal Bridge across Town Center Park Canal, Sunny Isles, Miami-Dade County, Florida on May 1, 2016 and will continue until December 31, 2016. This work will consist of floating equipment blocking this waterway in the vicinity of the Canal throughout construction. Mariners are requested to maintain minimum wake through this area. This bridge will provide a vertical clearance of 6 feet and a horizontal clearance of 35 feet once completed. The work is planned from Monday through Saturday, 7:00 a.m. to 7:00 p.m.

Ref: LNM 11 through 39-16 Chart: 11467

FLORIDA – ATLANTIC INTRACOASTAL WATERWAY – MIAMI TO FLORIDA KEYS – EAST AND WEST 79TH STREET CAUSEWAY BRIDGES: Notice of Proposed Rulemaking.

The Coast Guard proposes modifying the operating schedule that governs the West 79th Street Bridge across the Atlantic Intracoastal Waterway mile 1084.6, Miami, FL and the operating schedule that governs the East 79th Street Bridge across Miami Beach Channel, Miami, FL. This action will place the East and West 79th Street Bridges across Miami Beach Channel and Atlantic Intracoastal Waterway, Miami, FL on a twice an hour opening schedule between 7 a.m. and 7 p.m., Monday through Friday, except Federal holidays. This action is intended to reduce vehicular traffic caused by these bridges opening on demand.
Comments and related material must reach the Coast Guard on or before July 11, 2016.
You may submit comments identified by docket number USCG-2015-0768 using the Federal eRulemaking Portal at http://www.regulations.gov.

Ref: LNM 20 through 39-16/Docket Number USCG-2015-0768 Chart: 11467

FLORIDA – ATLANTIC INTRACOASTAL WATERWAY – MIAMI TO FLORIDA KEYS – CARD SOUND ROAD BRIDGE: Bridge Repairs.

Coastal Gunite Construction Company is currently repairing the Card Sound Road Bridge across the Atlantic Intracoastal Waterway, Key Largo, Florida. This work will reduce the horizontal clearance by no more than 20 feet at any time. The vertical clearance will be reduced by 4 feet for one-half the channel due to scaffolding. Mariners are requested to maintain minimum wake through this area. This project is anticipated to be completed by April 30, 2017.

Ref: LNM 11 through 39-16 Chart: 11463

FLORIDA - OKEECHOBEE WATERWAY – ST LUCIE INLET TO FORT MYERS – CALOOSAHATCHEE RIVER – OLD CSX RAILROAD SUBSTRUCTURE: Pile Deterioration.

The Substructure of an old Railroad line next to the existing Seminole Gulf Railroad line across the Caloosahatchee River, Lee County, Fort Myers, Florida, is deteriorating and parts have been reported floating in the waterway. Mariners are advised to remain vigilant when transiting this area.

Ref: LNM 01-13 through 39-16 Chart: 11428

FLORIDA - OKEECHOBEE WATERWAY – ST LUCIE INLET TO FORT MYERS – CALOOSAHATCHEE RIVER – US 45 BRIDGE: Bridge Repairs.

Inland Construction and Engineering, Inc. has advised the Coast Guard that they will be working on the SR 45 (US 41) Bridge across the Caloosahatchee River, Fort Myers, Lee County, Florida from May 24 through October 22, 2016. Work conduced will involve concrete repairs to the bridge pilings. Repairs will be performed on floating platforms including barges. The work conducted in not expected to impact vessel traffic through the main channel. Mariners are requested to proceed with caution.

Ref: LNM 21 through 39-16 Chart: 11428

FLORIDA – GULF INTRACOASTAL WATERWAY – CHARLOTTE HARBOR – TAMPA BAY – LEMON BAY – TOM ADAMS BRIDGE: Bridge Repairs.

Quinn Construction is currently making repairs to the Tom Adams Bridge, across the Gulf Intracoastal Waterway mile 43.5, Englewood, Florida. The Coast Guard has agreed to allow this bridge to operate on single-leaf operations with a six hour notice for a double-leaf opening from July 14, 2016 through an approximate date of May 31, 2017. There will be floating equipment under the down span for the duration of ongoing construction. The bridge tender may be contacted on VHF-FM channel 9 or by telephone at 941-474-1889 to request an opening.
Mariners are requested to proceed with caution.

Ref: LNM 29 through 39-16 Chart: 11425

AUXILIARY SAFE BOATING PROGRAM

Become a better, safe boater. Find a course near you - see more at: www.cgaux.org or call Boat U.S. at 1-800-336-2628.

U.S. Coast Guard's Boating Safety Division – see more at: http://uscgboating.org/

Before You Head Out Download The Boating Safety Mobile App - see more at: http://live.cgaux.org/?p=5083#sthash.XDTJ6oxs.dpuf

HOST	DATES	TIME	LOCATION
U.S. Coast Guard Auxiliary Flotilla 10-10 St Simons Island, GA (704)254-1643 fsope@cgauxssi.us	About Boating Safely (ABS) Saturdays 27 February 30 April 16 July 15 October 12 November Sign up at: www.cgauxssi.us	9:00am - 5:00pm	UGA Marine Extension 715 Bay St Brunswick, GA
U.S. Coast Guard Auxiliary Flotilla 10-10 St Simons Island, GA (704)254-1643 fsope@cgauxssi.us	Boating Skills and Seamanship (BS&S) Saturday, 10 September 3 week nights through Saturday, 17 September Sign up at: www.cgauxssi.us	Saturday 9:00am – 5:00pm Week days 6:00pm – 9:00pm	UGA Marine Extension 715 Bay St Brunswick, GA
U.S. Coast Guard Auxiliary Flotilla 17-6 Cocoa, FL (877) 835-3760 Flotilla1706@ureach.com	Continuous ABS 3rd Saturday of the month **No classes in December**	8:00am - 5:00pm	USCG Auxiliary Bldg Lee Wenner Park 300 Riveredge Blvd Cocoa Village, FL
U.S. Coast Guard Auxiliary Flotilla 3-2 Fort Lauderdale, FL (954) 463-0034	Continuous ABS 1st Saturday of each month	7:30am - 4:00pm	McVey House 601 Seabreeze Blvd Fort Lauderdale, FL
U.S. Power Squadron Fort Lauderdale (954) 523-3577	Continuous BSB 1st Monday each month	7:00pm - 9:00pm	Lauderdale Marine Ctr 2029 SW 20th Street Fort Lauderdale, FL
U.S. Coast Guard Auxiliary Flotilla 3-8 (954) 296-2303 (954) 423-9245	Continuous ABS every Saturday	8:30am - 5:00pm	Bass Pro Shop 200 Gulf Stream Way Dania Beach, FL

.S. Coast Guard Auxiliary Flotilla 7-16 (727) 399-7986	Continuous BSS 1st and 3rd Wednesday each month	7:30pm	USCG Auxiliary Building 3120 Miriam Street South Gulfport, FL
U.S. Coast Guard Aux Flotilla 11-3 Pete Lore (727) 391-5185	Continuous ABS 1st Saturday of each month	8:00am - 5:00pm	Training Bldg 299 Boca Ciega Drive Madeira, Fl
U.S. Coast Guard Auxiliary Flotilla 7-9 Brian Garry (813) 884-2010	Continuous BSS 12 weeks every Wednesday	7:00pm - 9:00pm	Flotilla 7-9 HQ 5108 W Gandy Blvd Gandy Boat Ramp Tampa, FL
U.S. Coast Guard Auxiliary Flotilla 11-1 (727) 469-8895	Continuous ABS 2nd weekend Saturday & Sunday Monthly	8:00am - 1:00pm	Cheek-Powell Heart & Vascular Pavilion 455 Pinellas Street Clearwater, FL
U.S. Coast Guard Auxiliary Flotilla 11-9 (727) 938-8568	Continuous ABS 2nd Saturday of each month	9:00am - 4:00pm	Flotilla 11-9 HQ 847 Roosevelt Blvd Tarpon Springs, FL
U.S. Coast Guard Auxiliary Flotilla 11-6 (727) 375-1196	Continuous ABS 1st Saturday of each month	9:00am - 4:30pm	USCG Auxiliary Communications Bldg 3920 Marine Parkway New Port Richey, FL
U.S. Coast Guard Auxiliary Flotilla 11-7 (727) 697-8013 hudsonflotilla11.7@gmail.com	Continuous ABS 4th Saturday of each month	9:00am - 4:00pm	Flotilla 11-7 HQ (besides the Elks Club) 9135 Denton Avenue Hudson, FL 34667

D7 SUMMARY OF MARINE EVENTS

The following list of private aids to navigation (PATON) have been determined to be abandoned by those responsible for their maintenance and are now unauthorized by the Seventh District Commander. All private aids on this list are subject to removal. Please contact the Seventh Coast Guard District PATON Coordinator at (305) 415-6751 for more information.

FLORIDA-TAMPA BAY TO PORT RICHEY-DOUBLE HAMMOCK CREEK
Double Hammock Creek Approach Daybeacon 1 (LLNR 26820) through Double Hammock Creek Approach Daybeacon 25 (LLNR 26935) Ref: LNM 31/16

PUERTO RICO-WEST INDIES-BAHIA DE SAN JUAN
TMT Outer Dolphin Obstruction Light (LLNR 30825) Ref: LNM 19/16, 32/16
TMT Middle Dolphin Obstruction Light (LLNR 30830)

SOUTH CAROLINA-AICW-BEAUFORT RIVER TO ST SIMONS SOUND-SKULL CREEK
Ribaut Island Dock Light A (LLNR 35630) Ref: LNM 19/16, 32/16
Ribaut Island Dock Light C (LLNR 35630)
Ribaut Island Dock Light G (LLNR 35630)

FLORIDA-AICW-PALM SHORES TO WEST PALM BEACH
Channel 68 Marina DBN 2 (LLNR 43685.2) Ref: LNM 25/16, 32/16

FLORIDA-AICW-WEST PALM BEACH TO MIAMI-BISCAYNE BAY
Mike Gordon Restaurant Daybeacon 2 (LLNR 48225) Ref LNM 28/16, 32/16

FLORIDA–AICW–WEST PALM BEACH TO MIAMI
Entrada Channel Daybeacon 1(LLNR 49240) Ref: LNM 25/16, 32/16
Entrada Channel Daybeacon 3(LLNR 49245)
Entrada Channel Daybeacon 5 (LLNR 49250)
Entrada Channel Daybeacon 7 (LLNR 49255)
Entrada Channel Daybeacon 9 (LLNR 49260)

FLORIDA-AICW-CHARLOTTE HARBOR TO TAMPA BAY
Fishery Restaurant Daybeacon 1 (LLNR 56655) Ref: LNM 19/16, 32/16
Fishery Restaurant Daybeacon 2 (LLNR 56660)
Fishery Restaurant Daybeacon 3 (LLNR 56665)
Fishery Restaurant Daybeacon 5 (LLNR 56670)
Fishery Restaurant Daybeacon 7 (LLNR 56675)
Fishery Restaurant Daybeacon 8 (LLNR 56680)
Fishery Restaurant Daybeacon 10 (LLNR 56685)

FLORIDA-AICW-CHARLOTTE HARBOR TO TAMPA BAY
Palma Sola Park Channel Daybeacon 2 (LLNR 59895) Ref: LNM 20/16, 32/16

BREVARD COUNTY – TURKEY CREEK MUCK REMOVAL PROEJCT

TEMPORARY DREDGE PIPELINE PLAN

Updated 1-23-2016

INTRODUCTION

Gator Dredging plans to temporarily deploy and utilize an estimated 9,000 LF of 14 inch inside diameter (16" O.D.) HDPE pipe from the dredge template to the NW corner of the DMMA as shown on attached Figure A. The length pipeline requires the assistance of one (1) booster pump which will be staged at Castaway Point Park at 2990 Bay Blvd. NE, Palm Bay, FL 32905.

The route identified provided by Brevard County as shown on attached **Figure A** follows approved route which has necessary easements and has met requirements of regulatory agencies.

Before any work is performed, pre-work videos of the upland and shorelines along and adjacent to the pipeline route will be collected to record existing conditions. Pre-work videos will be taken of the entire Castaway Point Park parcel.

Gator Dredging proposes to submerge all pipeline except for (500 LF) directly behind the dredge to allow for dredge maneuverability and the area(s) (~200 LF) as it transitions from submerged to upland.

PIPELINE PREPARATION & STORAGE

Dredge pipe will be delivered in 50 foot lengths and offloaded at the staging site located on Popsoil Avenue and one (1) load will be delivered to the DMMA site located at 3600 Dixie Highway NE. A 618 McElroy pipe fusing machine will fuse the pipe at both locations into 400 to 500 foot sections and install flanges on each end. The pipe ends will be temporarily capped and will be floated into position prior to dredge launch and positioning. Specialized pipe weights will be strategically placed along each section of pipe prior to launch of pipe. A 500 foot section of pipe will be outfitted with floats every 25 feet. This floating pipe is the immediate dredge discharge pipe and requires to be floated for dredge maneuverability. The floats will be lighted for navigation safety. The pipeline will be lighted and demarcated in accordance with 33 CFR 88.15. While floating in the storage location, the pipeline will be marked with amber yellow lights and have red lights at each end of the stored pipe. The lights will be as described in 33 CFR 88, Annex V.

Initially 9,000 LF of pipe will be installed and dredging will commence. As the dredge progresses further from DMMA additional 500 LF "sticks" of submerged pipe will be transported from the temporary pipeline storage area and attached to the pipeline via a shallow draft tender vessel.

Approximately 1,500 LF of the initial 9,000 LF of pipe required will be prepared at the DMMA site. 1,300 LF of pipe will be fused and placed into position along the uplands from Dixie Highway NE to the northwest corner of the dewatering cell. A final 200 foot segment will be temporarily fused and stored next to the 24-inch dredge inlet pipe casing inside the DMMA parcel.

PIPELINE INSTALLATION / CONNECTION

Prior to dredge launch and positioning, the 7,500 LF of floating pipe located at the in-water temporary storage area will be towed into position. Using a tender vessel and specialized pipeline barge with small excavator mounted on it, the first 400 to 500 foot segment of pipe which contains floats every 25 feet will be connected to the dredge discharge end. Subsequent sections of weighted floating pipe will be connected from the dredge to the booster pump located on the uplands at Castaway Point Park. Additional segments of the weighted floating pipe will connect to the booster pump discharge end and will exit the palm bay project limits and continue along the revised offshore pipeline corridor (depths deeper than -5' MLW). If they remain floating during low light conditions, they will be lighted as per the requirements of 33 CFR 88.15.

At the end of the offshore pipeline corridor, two (2) temporary pilings will be installed at approximate pipeline coordinate PLC-6. The pilings will be 15 to 20 feet in length depending on existing depth, made of timber and 8 inches in diameter. These offshore pilings will be jetted in with a small pump and have ember lights secured on top which automatically flash during low-light hours. The lighting will be in accordance with 33 CFR 88.15. The pilings will be approximately 10' apart and the pipeline will extend through the two pilings through the seagrass pipe corridor from PLC-6 to PLC-9. Additional details on how the seagrasses in this area are to be protected can be found in the **Seagrass Protection Plan**.

The 200 LF piece of staged pipe will be pushed through the Dixie Highway - 24" under-road crossing to extend out to the Indian River Lagoon and meet with the pipe awaiting connection at PLC-9. An excavator located inside the DMMA parcel at the west end of the pipeline crossing casing will push the final 200 foot segment of pipe through the casing. Once the pipe is passed through the casing, the final two connections will be made. An angle bend may be installed on the east side of the highway crossing to facilitate the drop in elevation between the casing invert to the water. The pipeline will run along the north side of the DMMA property and traverse up the dike. It will have to cross the roadway at the top of the dike near the NW corner of the DMMA. The pipeline will be buried where it crosses the road, and reinforcement will be placed in the ground above the pipe to allow for vehicles and trucks to pass above.

PIPELINE SECURING, USE, MARKING AND MAINTENANCE

To ensure the pipeline stays within the designated corridor(s) during dredging operations 250 pound anchors will be placed every 1000 feet and tied to the pipeline. The location of the anchors will be marked by a small yellow buoy.

The floating pipeline behind the dredge will be marked by can buoys every 75 feet and will flash an amber light every 2 seconds during low-light or night-time hours and have a 2 mile illumination radius. The lights have a light sensor and will automatically turn on and off. The lighting will be in accordance with 33 CFR 88.15. The cans will read "Dredge Pipeline".

Offshore corridor section – 3 and the booster pump pipe entrance/exit area will also be marked by lighted can buoys as shown in **Figure A**. The temporary pipeline storage area will also be marked with can buoys.

All the features of the pipeline system will be monitored and inspected daily by tender vessel operators to ensure:

- Pipeline is anchored
- Pipeline is not leaking
- Pipeline is within the designated corridor(s)
- Pipeline is lit during low-light or night-time hours
- Pipeline is submerged as designed (or floating behind dredge)
- All buoys, can buoys, PVC stakes, wood piles, signs, anchors, etc. are intact / in position
- The pipeline is not causing a navigation hazard in any way

PIPELINE REMOVAL

Once in-water dredging operations are complete, the pipeline will be removed in reverse order as to how it was installed. All anchors, temporary pilings, buoys and lights will be removed from the dredge area and the Indian River Lagoon. The in-water pipe will be capped (so it can float) and be towed back to the shoreline area at the staging site for loading and cutting back into 50 foot pieces.

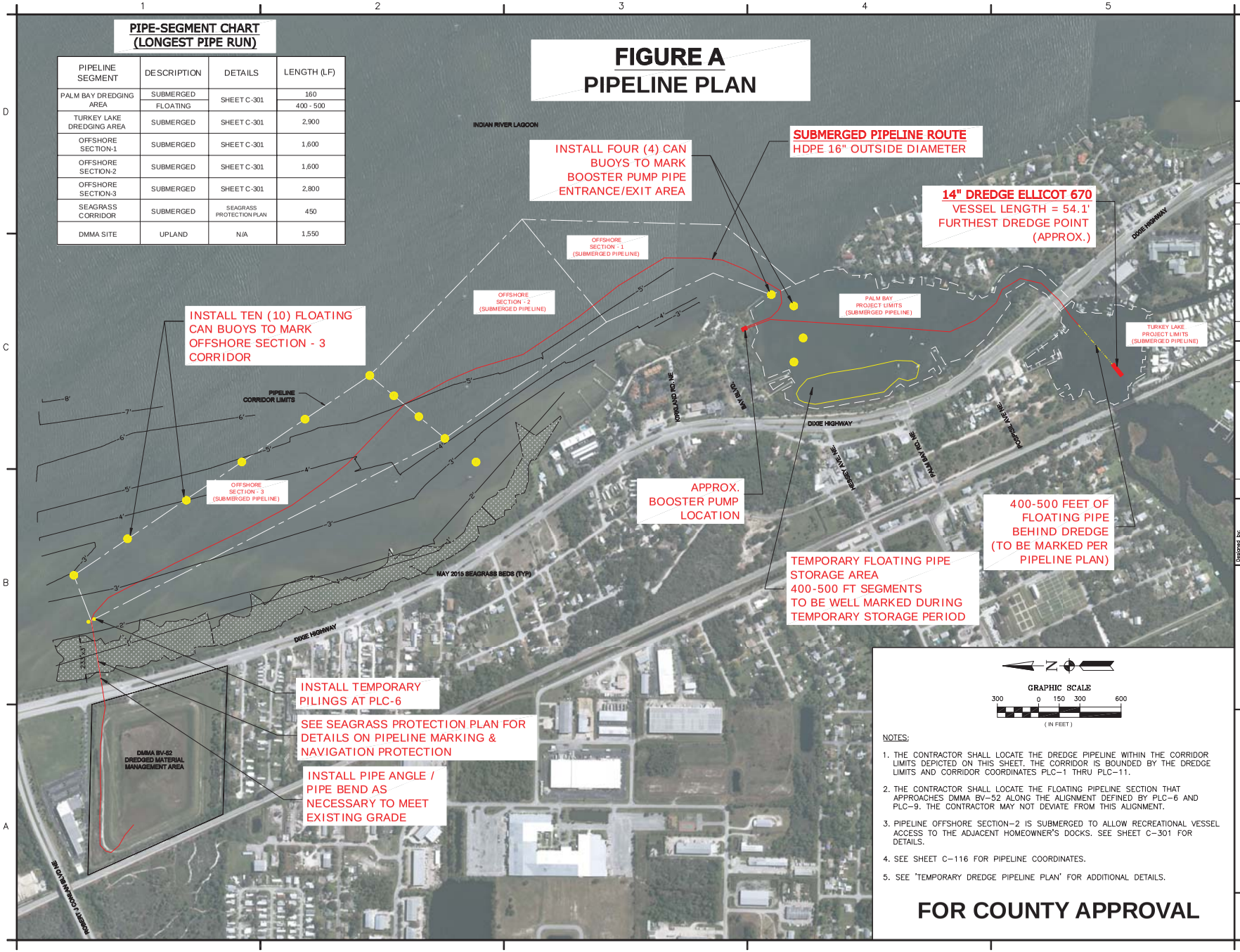
Details of seagrass protection measures for the pipe removal within the seagrass corridor can be found in the **Seagrass Protection Plan**.

Estimated Schedule: Begin work 2-1-16
Complete work 6-1-16.

FIGURE A
PIPELINE PLAN

PIPE-SEGMENT CHART (LONGEST PIPE RUN)

PIPELINE SEGMENT	DESCRIPTION	DETAILS	LENGTH (LF)
PALM BAY DREDGING AREA	SUBMERGED	SHEET C-301	160
	FLOATING		400 - 500
TURKEY LAKE DREDGING AREA	SUBMERGED	SHEET C-301	2,900
OFFSHORE SECTION-1	SUBMERGED	SHEET C-301	1,600
OFFSHORE SECTION-2	SUBMERGED	SHEET C-301	1,600
OFFSHORE SECTION-3	SUBMERGED	SHEET C-301	2,800
SEAGRASS CORRIDOR	SUBMERGED	SEAGRASS PROTECTION PLAN	450
DMMA SITE	UPLAND	N/A	1,550



GRAPHIC SCALE
300 0 150 300 600
(IN FEET)

NOTES:

1. THE CONTRACTOR SHALL LOCATE THE DREDGE PIPELINE WITHIN THE CORRIDOR LIMITS DEPICTED ON THIS SHEET. THE CORRIDOR IS BOUNDED BY THE DREDGE LIMITS AND CORRIDOR COORDINATES PLC–1 THRU PLC–11.
2. THE CONTRACTOR SHALL LOCATE THE FLOATING PIPELINE SECTION THAT APPROACHES DMMA BV–52 ALONG THE ALIGNMENT DEFINED BY PLC–6 AND PLC–9. THE CONTRACTOR MAY NOT DEVIATE FROM THIS ALIGNMENT.
3. PIPELINE OFFSHORE SECTION–2 IS SUBMERGED TO ALLOW RECREATIONAL VESSEL ACCESS TO THE ADJACENT HOMEOWNER'S DOCKS. SEE SHEET C–301 FOR DETAILS.
4. SEE SHEET C–116 FOR PIPELINE COORDINATES.
5. SEE 'TEMPORARY DREDGE PIPELINE PLAN' FOR ADDITIONAL DETAILS.

FOR COUNTY APPROVAL

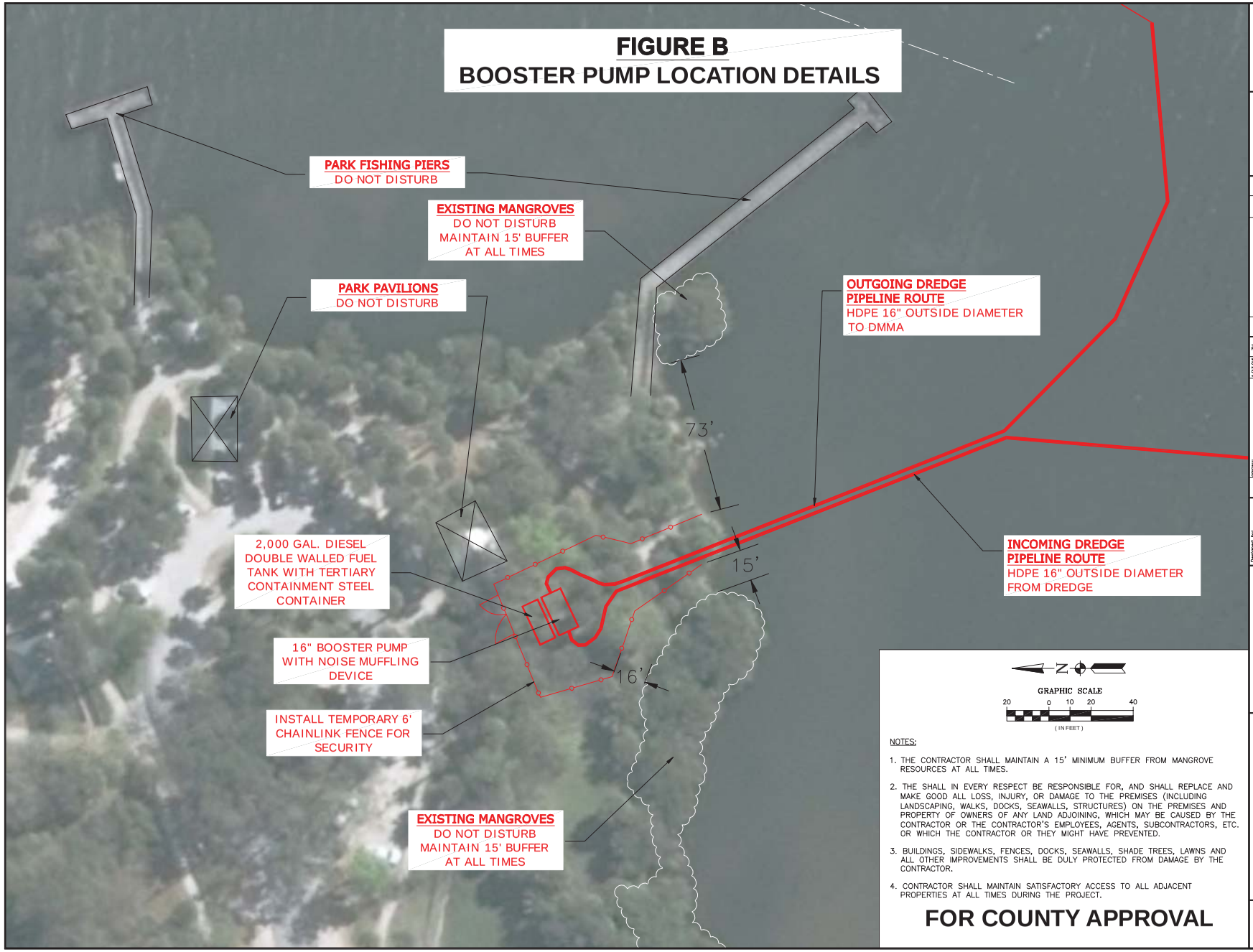
Mark	Description	Date	Appr.	Mark	Description	Date	Appr.
						2/11/16	TM

Designed by: T. McDOUGAL
Drawn By: T. McDOUGAL
Checked By: B. COOLEY
Reviewed By: B. WILKINSON
Design file no: TURKEY CREEK PIPELINE
Scale: AS SHOWN

TURKEY CREEK MUCK REMOVAL PROJECT
PIPELINE PLAN
BREVARD COUNTY, FL

FIG. A

FIGURE B
BOOSTER PUMP LOCATION DETAILS



N

GRAPHIC SCALE

20 0 10 20 40

(IN FEET)

NOTES:

1. THE CONTRACTOR SHALL MAINTAIN A 15' MINIMUM BUFFER FROM MANGROVE RESOURCES AT ALL TIMES.
2. THE SHALL IN EVERY RESPECT BE RESPONSIBLE FOR, AND SHALL REPLACE AND MAKE GOOD ALL LOSS, INJURY, OR DAMAGE TO THE PREMISES (INCLUDING LANDSCAPING, WALKS, DOCKS, SEAWALLS, STRUCTURES) ON THE PREMISES AND PROPERTY OF OWNERS OF ANY LAND ADJOINING, WHICH MAY BE CAUSED BY THE CONTRACTOR OR THE CONTRACTOR'S EMPLOYEES, AGENTS, SUBCONTRACTORS, ETC. OR WHICH THE CONTRACTOR OR THEY MIGHT HAVE PREVENTED.
3. BUILDINGS, SIDEWALKS, FENCES, DOCKS, SEAWALLS, SHADE TREES, LAWNS AND ALL OTHER IMPROVEMENTS SHALL BE DULY PROTECTED FROM DAMAGE BY THE CONTRACTOR.
4. CONTRACTOR SHALL MAINTAIN SATISFACTORY ACCESS TO ALL ADJACENT PROPERTIES AT ALL TIMES DURING THE PROJECT.

FOR COUNTY APPROVAL

Mark	Description	Date	Appr.
ORIGINAL		1/13/14	TM
	FENCE, DIMENSIONS, NOTES 2, 3 & 4	1/30/14	TM

Mark	Description	Date	Appr.

Designed By: T. MCDOUGAL
Drawn By: T. MCDOUGAL
Checked By: D. COUSSAN
Reviewed By: B. WILKINSON
Date: 1/13/14
FIGURE B - BUILT BOOSTER PUMP PLAN REVISED 1"=20'-20'/LUME
Scale: AS SHOWN

GATOR DREDGING

TURKEY CREEK
MUCK REMOVAL PROJECT
BOOSTER PUMP LOCATION DETAILS
BREVARD COUNTY, FL

FIG. B

PROJECT LOCATION MAP:

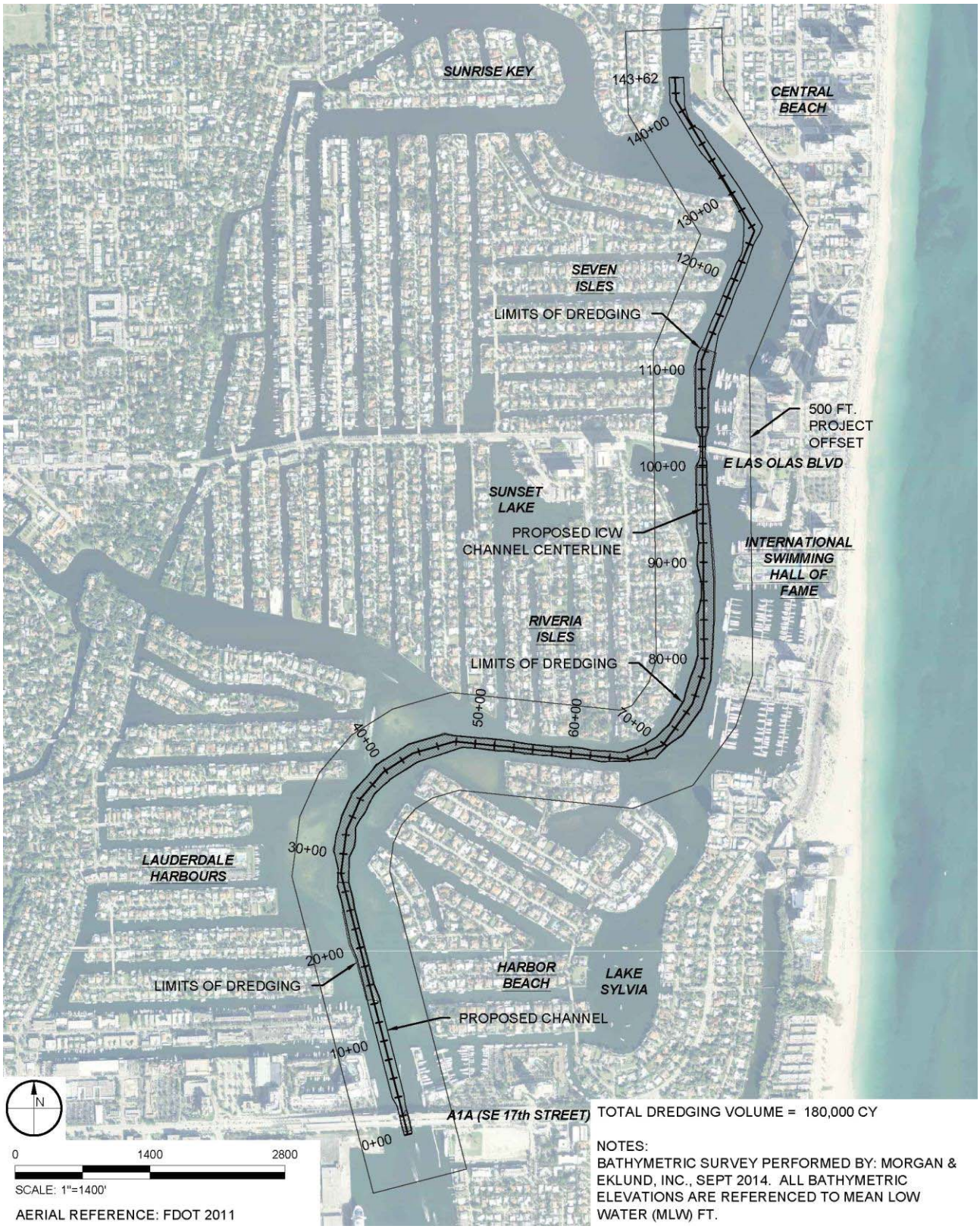
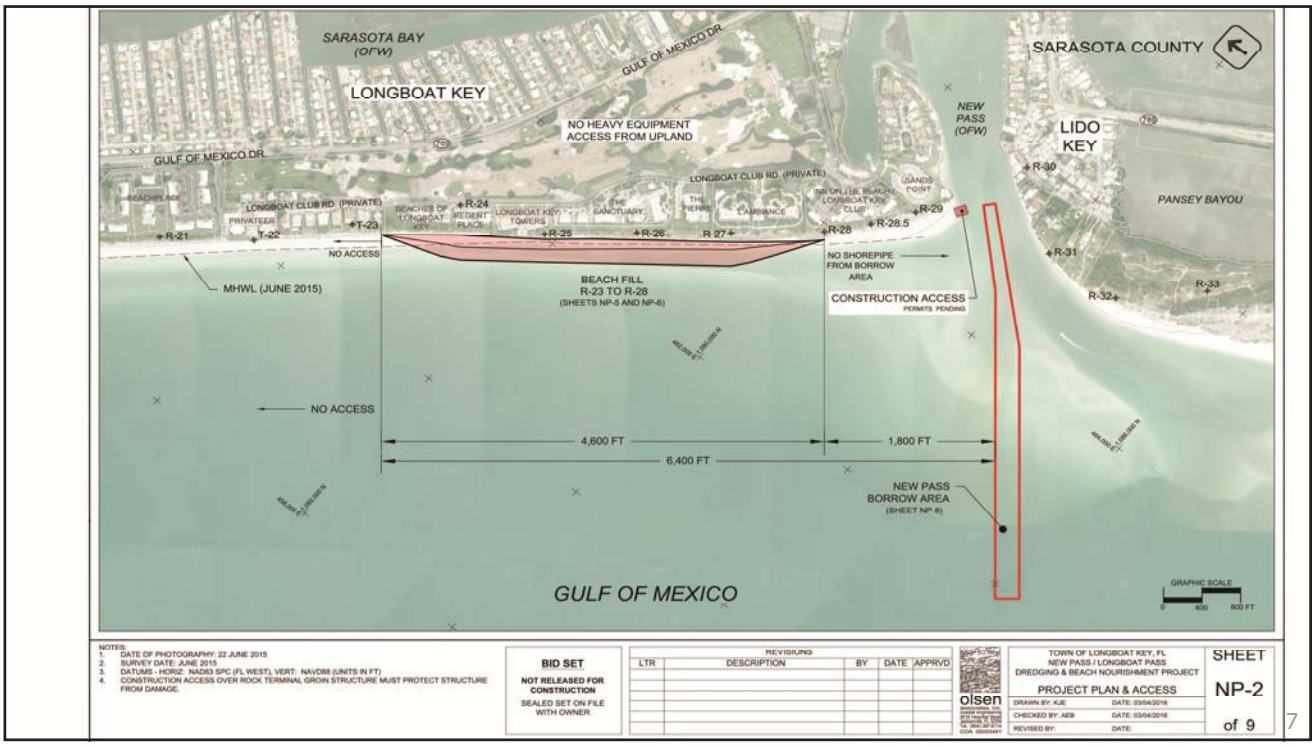
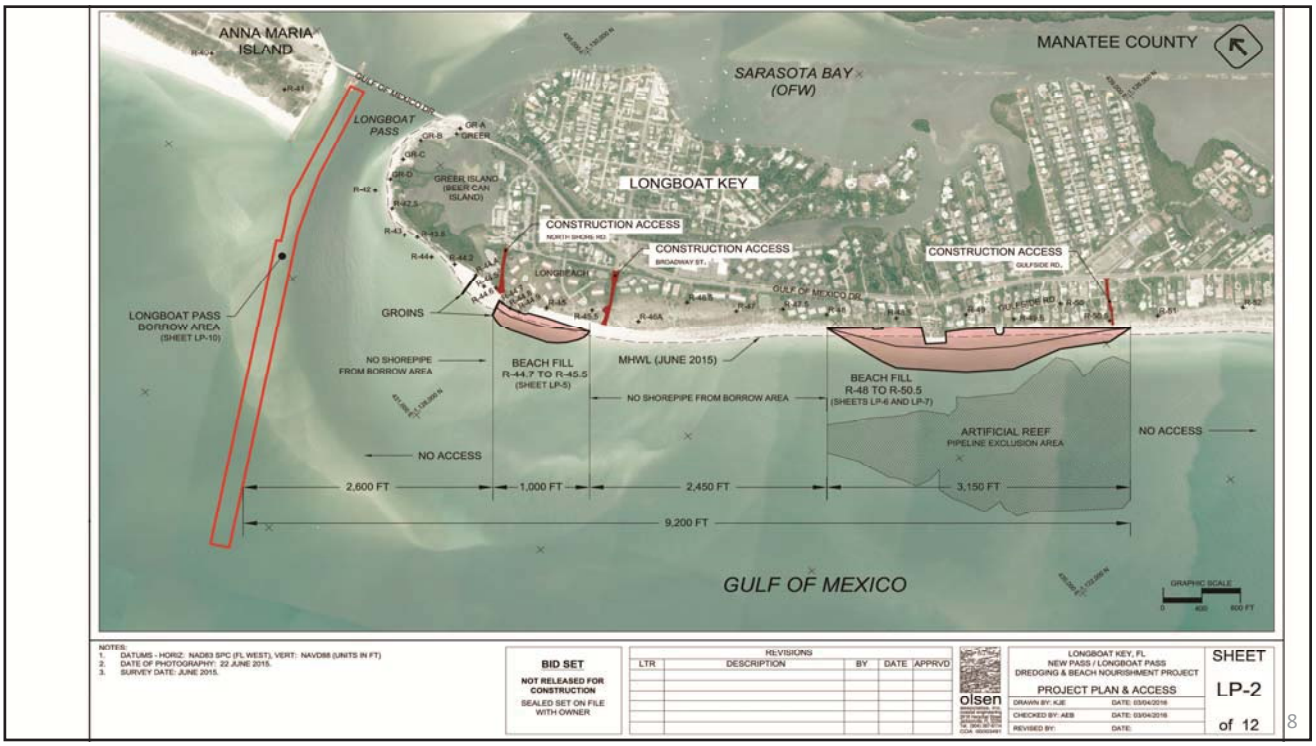


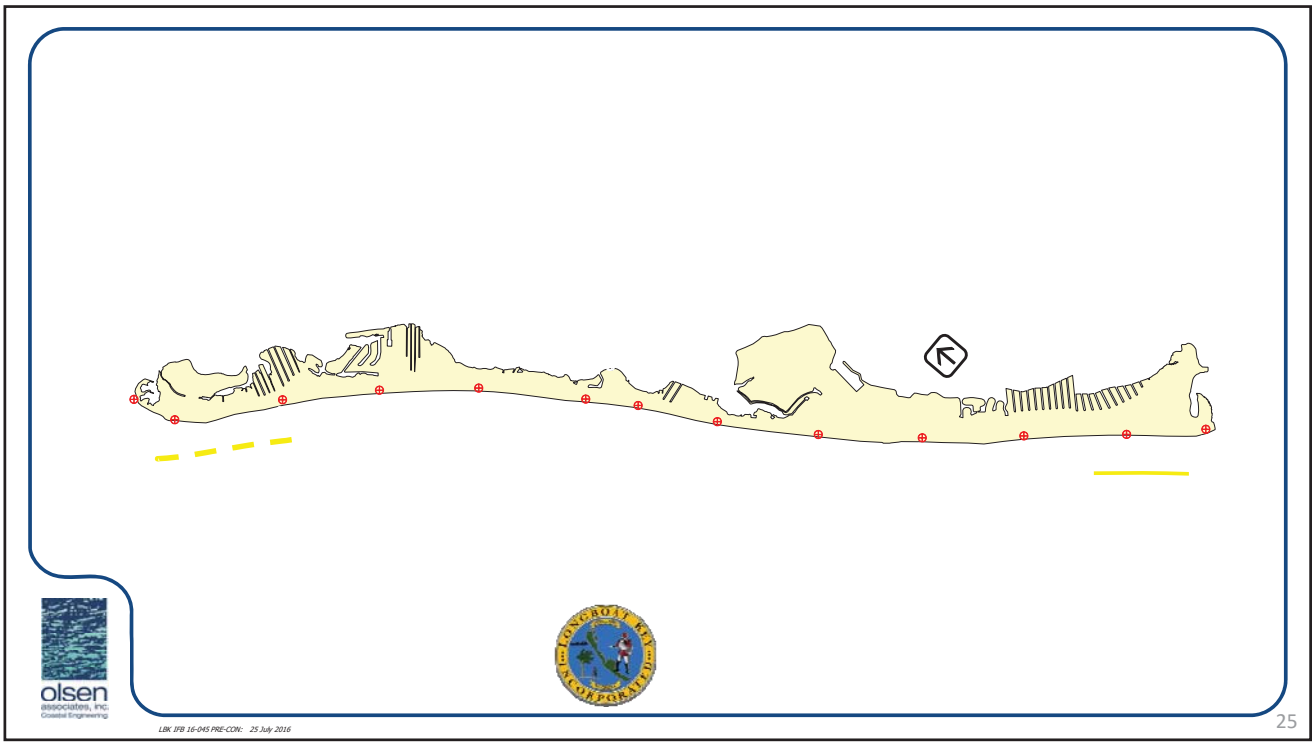
Figure 2. Broward County IWW deepening project overview

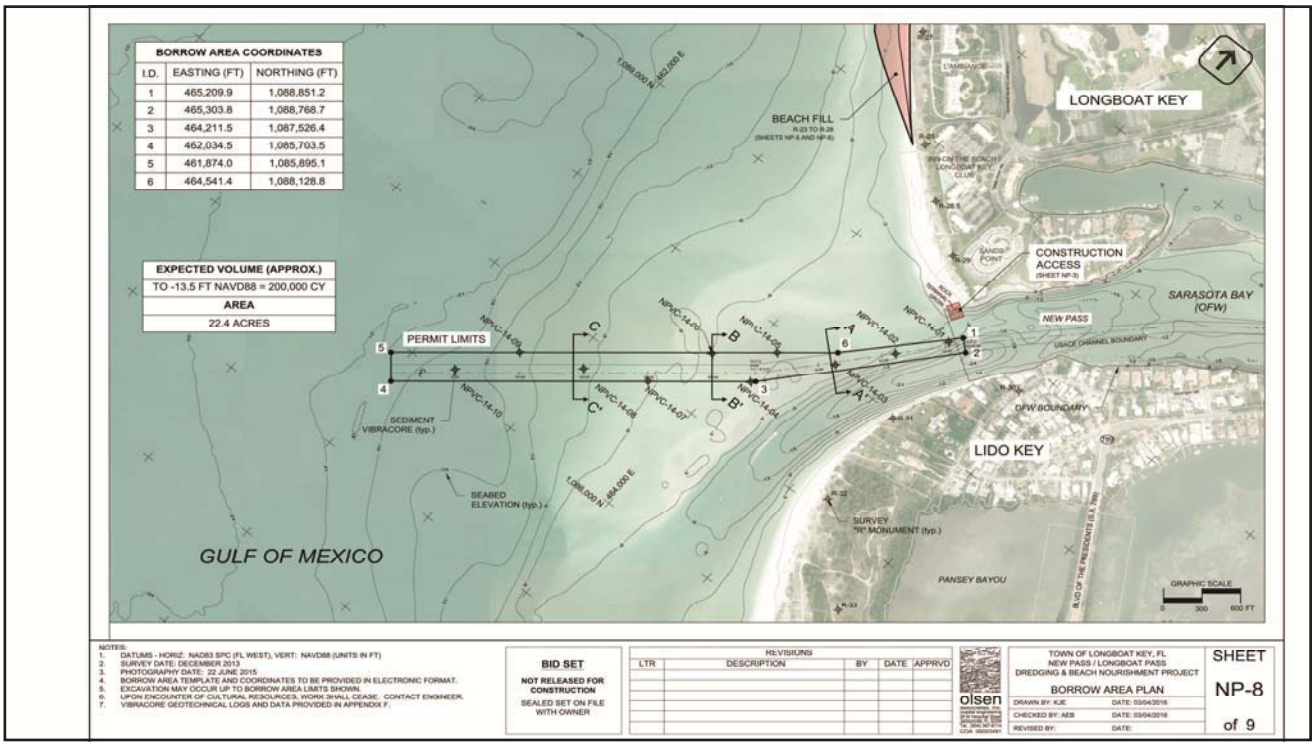

SARASOTA BAY
(OFW)
LONGBOAT KEY
GULF OF MEXICO DR.
SARASOTA COUNTY
NEW PASS (OFW)
LIDO KEY
PANSEY BAYOU
NO HEAVY EQUIPMENT ACCESS FROM UPLAND
LONGBOAT CLUB RD. (PRIVATE)
R-21
T-22
T-23
R-24
R-25
R-26
R 27
R-28
R-28.5
R-29
R-30
R-31
R-32
R-33
NO ACCESS
MHWL (JUNE 2015)
BEACH FILL
R-23 TO R-28
(SHEETS NP-5 AND NP-6)
NO SHOREPIPE FROM BORROW AREA
CONSTRUCTION ACCESS
PERMITS PENDING
NO ACCESS
4,600 FT
1,800 FT
6,400 FT
NEW PASS BORROW AREA
(SHEET NP-8)
GULF OF MEXICO
GRAPHIC SCALE
0 400 800 FT
NOTES:
1. DATE OF PHOTOGRAPHY: 22 JUNE 2015
2. SURVEY DATE: JUNE 2015
3. DATUMS - HORIZ: NAD83 SPC (FL WEST), VERT: NAVD88 (UNITS IN FT)
4. CONSTRUCTION ACCESS OVER ROCK TERMINAL GROIN STRUCTURE MUST PROTECT STRUCTURE FROM DAMAGE.
BID SET
NOT RELEASED FOR CONSTRUCTION
SEALED SET ON FILE WITH OWNER
REVISIONS
LTR DESCRIPTION BY DATE APPRVD
olsen
TOWN OF LONGBOAT KEY, FL
NEW PASS / LONGBOAT PASS
DREDGING & BEACH NOURISHMENT PROJECT
PROJECT PLAN & ACCESS
DRAWN BY: KJE DATE: 03/04/2016
CHECKED BY: AEB DATE: 03/04/2016
REVISED BY: DATE:
SHEET
NP-2
of 9

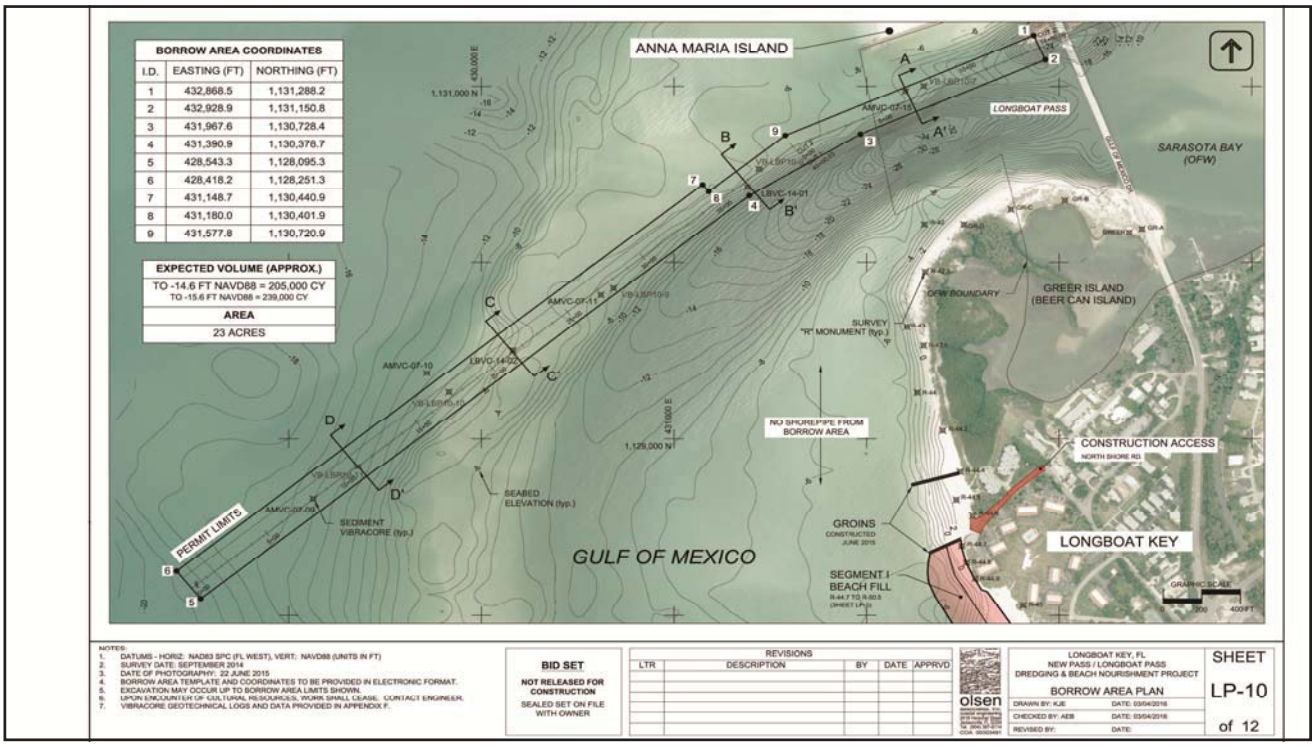
7


ANNA MARIA ISLAND
MANATEE COUNTY
SARASOTA BAY
(OFW)
LONGBOAT PASS
GREER ISLAND
(BEER CAN ISLAND)
LONGBOAT KEY
CONSTRUCTION ACCESS
NORTH SHORE RD.
CONSTRUCTION ACCESS
BROADWAY ST.
CONSTRUCTION ACCESS
GULFSIDE RD.
LONGBOAT PASS BORROW AREA
(SHEET LP-10)
GROINS
NO SHOREPIPE FROM BORROW AREA
BEACH FILL
R-44.7 TO R-45.5
(SHEET LP-5)
MHWL (JUNE 2015)
NO SHOREPIPE FROM BORROW AREA
BEACH FILL
R-48 TO R-50.5
(SHEETS LP-6 AND LP-7)
ARTIFICIAL REEF
PIPELINE EXCLUSION AREA
NO ACCESS
NO ACCESS
2,600 FT
1,000 FT
2,450 FT
3,150 FT
9,200 FT
GULF OF MEXICO
GRAPHIC SCALE
0 400 800 FT
NOTES:
1. DATUMS - HORIZ: NAD83 SPC (FL WEST), VERT: NAVD88 (UNITS IN FT)
2. DATE OF PHOTOGRAPHY: 22 JUNE 2015.
3. SURVEY DATE: JUNE 2015.
BID SET
NOT RELEASED FOR CONSTRUCTION
SEALED SET ON FILE WITH OWNER
REVISIONS
LTR DESCRIPTION BY DATE APPRVD
olsen
LONGBOAT KEY, FL
NEW PASS / LONGBOAT PASS
DREDGING & BEACH NOURISHMENT PROJECT
PROJECT PLAN & ACCESS
DRAWN BY: KJE DATE: 03/04/2016
CHECKED BY: AEB DATE: 03/04/2016
REVISED BY: DATE:
SHEET
LP-2
of 12

8


olsen
associates, inc.
Coastal Engineering
LBK IFB 16-045 PRE-CON: 25 July 2016
25


BORROW AREA COORDINATES
I.D. | EASTING (FT) | NORTHING (FT)
1 | 465,209.9 | 1,088,851.2
2 | 465,303.8 | 1,088,768.7
3 | 464,211.5 | 1,087,526.4
4 | 462,034.5 | 1,085,703.5
5 | 461,874.0 | 1,085,895.1
6 | 464,541.4 | 1,088,128.8
EXPECTED VOLUME (APPROX.)
TO -13.5 FT NAVD88 = 200,000 CY
AREA
22.4 ACRES
PERMIT LIMITS
BEACH FILL
LONGBOAT KEY
CONSTRUCTION ACCESS
SARASOTA BAY (OFW)
NEW PASS
LIDO KEY
GULF OF MEXICO
PANSEY BAYOU
SEDIMENT VIBRACORE (typ.)
SEABED ELEVATION (typ.)
SURVEY "R" MONUMENT (typ.)
GRAPHIC SCALE
NOTES:
1. DATUMS - HORIZ: NAD83 SPC (FL WEST), VERT: NAVD88 (UNITS IN FT)
2. SURVEY DATE: DECEMBER 2013
3. PHOTOGRAPHY DATE: 22 JUNE 2015
4. BORROW AREA TEMPLATE AND COORDINATES TO BE PROVIDED IN ELECTRONIC FORMAT.
5. EXCAVATION MAY OCCUR UP TO BORROW AREA LIMITS SHOWN.
6. UPON ENCOUNTER OF CULTURAL RESOURCES, WORK SHALL CEASE. CONTACT ENGINEER.
7. VIBRACORE GEOTECHNICAL LOGS AND DATA PROVIDED IN APPENDIX F.
BID SET
NOT RELEASED FOR CONSTRUCTION
SEALED SET ON FILE WITH OWNER
REVISIONS
LTR | DESCRIPTION | BY | DATE | APPRVD
olsen
TOWN OF LONGBOAT KEY, FL
NEW PASS / LONGBOAT PASS
DREDGING & BEACH NOURISHMENT PROJECT
BORROW AREA PLAN
DRAWN BY: KJE DATE: 03/04/2016
CHECKED BY: AES DATE: 03/04/2016
REVISED BY: DATE:
SHEET
NP-8
of 9


BORROW AREA COORDINATES
I.D. EASTING (FT) NORTHING (FT)
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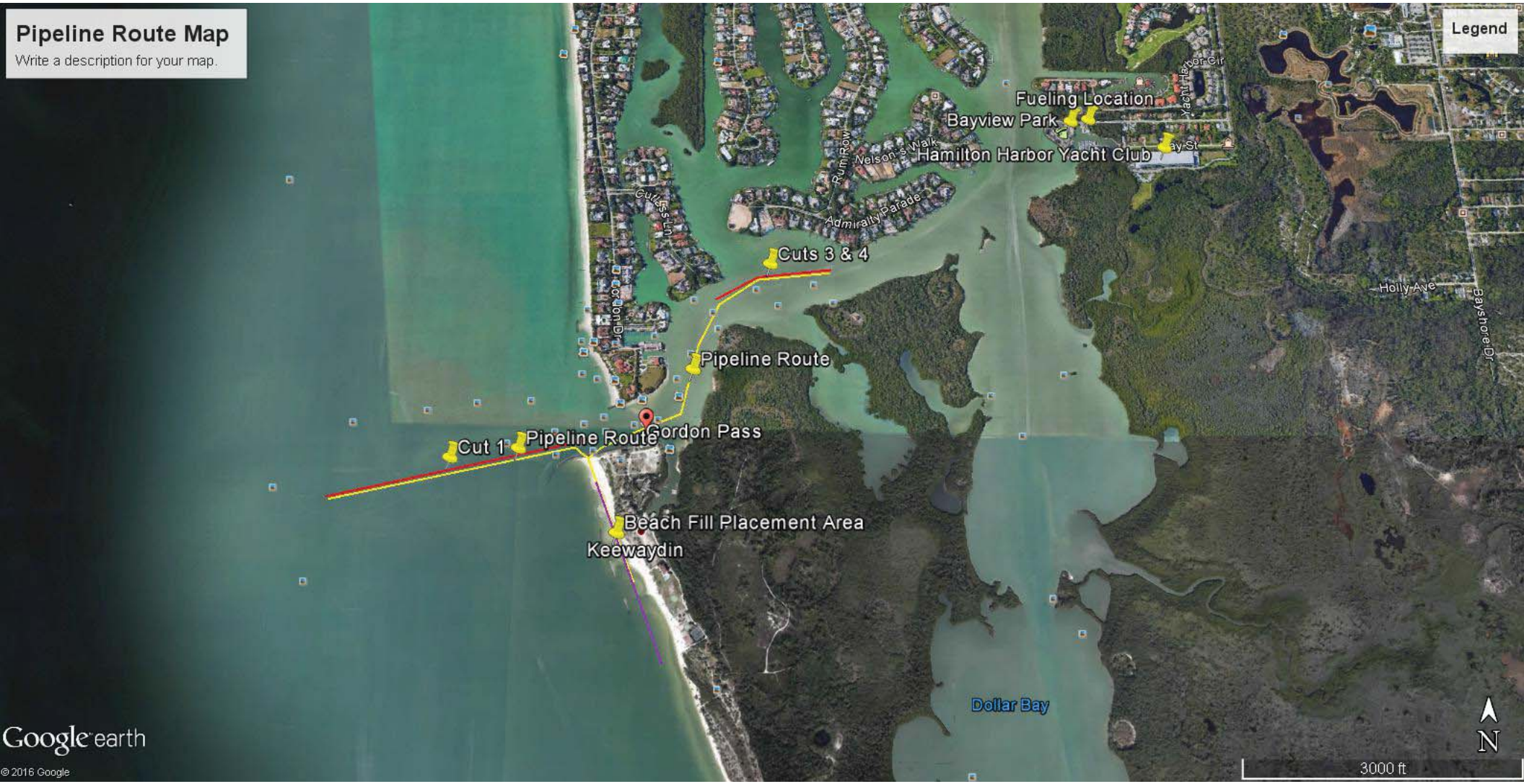
2 432,928.9 1,131,150.8
3 431,967.6 1,130,728.4
4 431,390.9 1,130,378.7
5 428,543.3 1,128,095.3
6 428,418.2 1,128,251.3
7 431,148.7 1,130,440.9
8 431,180.0 1,130,401.9
9 431,577.8 1,130,720.9
EXPECTED VOLUME (APPROX.)
TO -14.6 FT NAVD88 = 205,000 CY
TO -15.6 FT NAVD88 = 239,000 CY
AREA
23 ACRES
ANNA MARIA ISLAND
LONGBOAT PASS
SARASOTA BAY (OFW)
GREER ISLAND (BEER CAN ISLAND)
OFW BOUNDARY
SURVEY "R" MONUMENT (typ.)
NO SHORELINE FROM BORROW AREA
CONSTRUCTION ACCESS
NORTH SHORE RD.
LONGBOAT KEY
GROINS
CONSTRUCTED JUNE 2015
SEGMENT I BEACH FILL
GULF OF MEXICO
PERMIT LIMITS
SEABED ELEVATION (typ.)
SEDIMENT VIBRACORE (typ.)
AMVC-07-11
AMVC-07-10
LBVC-14-01
LBVC-14-02
1,131,000 N
1,129,000 N
430,000 E
431,000 E
GRAPHIC SCALE
0 200 400 FT
NOTES:
1. DATUMS - HORIZ: NAD83 SPC (FL WEST), VERT: NAVD88 (UNITS IN FT)
2. SURVEY DATE: SEPTEMBER 2014
3. DATE OF PHOTOGRAPHY: 22 JUNE 2015
4. BORROW AREA TEMPLATE AND COORDINATES TO BE PROVIDED IN ELECTRONIC FORMAT.
5. EXCAVATION MAY OCCUR UP TO BORROW AREA LIMITS SHOWN.
6. UPON ENCOUNTER OF CULTURAL RESOURCES, WORK SHALL CEASE. CONTACT ENGINEER.
7. VIBRACORE GEOTECHNICAL LOGS AND DATA PROVIDED IN APPENDIX F.
BID SET
NOT RELEASED FOR CONSTRUCTION
SEALED SET ON FILE WITH OWNER
REVISIONS
LTR DESCRIPTION BY DATE APPRVD
olsen
LONGBOAT KEY, FL
NEW PASS / LONGBOAT PASS
DREDGING & BEACH NOURISHMENT PROJECT
BORROW AREA PLAN
DRAWN BY: KJE DATE: 03/04/2016
CHECKED BY: AEB DATE: 03/04/2016
REVISED BY: DATE:
SHEET
LP-10
of 12


Pipeline Route Map
Write a description for your map.
Legend
Fueling Location
Bayview Park
Hamilton Harbor Yacht Club
Yacht Harbor Cir
Nelson's Walk
Rum Row
Admiralty Parade
Cutlass Lun
Gordon Dr
Cuts 3 & 4
Pipeline Route
Gordon Pass
Cut 1
Pipeline Route
Beach Fill Placement Area
Keewaydin
Holly Ave
Bayshore Dr
Dollar Bay
N
3000 ft
Google earth
© 2016 Google

Dredge Plan / Methods

08-23-2016

BACKGROUND:

Dredging is proposed to a depth of -6' MLW at 75' wide bottom cut from Sta. 0+00 to Sta. 30+50. The bottom cut decreases to 25' wide at 31+00 and remains at this width to Sta. 153+00 where the bottom cut decreases to 10' wide. At station 155+00 the dredge depth decreases from -6' MLW to -5' MLW. The dredging ends at approximate Sta. 158+75. Side slopes of 3 horizontal on 1 vertical are proposed on the entire channel extent. It is estimated there is an approximate sediment removal volume of 20,000 CY and a rock removal volume of 400 CY. The rock is a rough estimate with limited probing and mapping data available. Rock was encountered in the limited initial study at approximate Stations 103+00 to 116+00 and 147+00 to 155+00. Actual field locations of rock and removal strategies are to be field verified and confirmed between Contractor and Engineer. Contractor is allotted use of both mechanical and hydraulic dredging methods to obtain the design removal templates and volumes.

The acceptance tolerance for rock removal is 0.4 feet below or 0.2 feet above proposed grade. No tolerance for sediment removal is identified in the bid documents or permits, however, Gator Dredging is requesting a 0.4 feet +/- acceptance tolerance as sediment removal tolerances are more difficult to achieve than rock removal tolerances. At this time, Gator Dredging is proposing the use of both hydraulic and mechanical methods to achieve the design dredge template.

HYDRAULIC DREDGING PLAN:

Gator Dredging plans to mobilize a 10" 370 Ellicot hydraulic dredge to perform hydraulic sediment removal from approximate Sta. 75+00 to Sta. 0+00. The dredged materials will be pumped to a dredge material management area located at 5351 & 5371 Deltona Drive per approved Land Disturbance permits for the vacant properties. Spoils in the DMMA will be removed using a long-reach excavator and placed into a temporary stockpile for drying. Once dry the spoils will be loaded into sealed trucks for vehicular transport to the final disposal site. Any areas exhibiting material (i.e. rock, hard bottom, etc.) which is not able to be removed with the hydraulic dredge will be marked in the field for the Engineer's inspector to evaluate.

The dredge will be deployed at via crane from the Gator Creek Marine offload site. The pipeline will be stored upland and deployed into the water from the 5351 & 5371 Deltona Drive property (DMMA site). It is estimated that up to 8,000 linear feet of pipeline will be deployed in order to reach Sta. 0+00. The pipeline will be submerged its entire length except for 500' directly behind the dredge where pipe will

have floats every 50' for dredge mobility. The submerged pipeline will be run along the west/north side of the proposed channel and properly marked and lighted per USCG regulations. A Notice to Mariners will be posted with USCG to warn boaters of the activity and submerged pipeline. Additionally the pipeline will be anchored as needed to prevent movement of the pipeline outside of the channel.

A booster pump may be needed to achieve the 8,000 linear feet pumping distance, a 14" Ellicot booster pump will be deployed on a 40'x20' booster barge to be spud anchored within the work limits approximately 2,000 to 3,000 linear feet behind the dredge.

MECHANICAL DREDGING PLAN:

Gator Dredging plans to launch a 40'x30' barge with a long-reach excavator at the Gator Creek Marine site via crane lift to perform mechanical sediment removal from Sta. 75+00 to the project's end at Sta. 158+75. One to two 30'x16' spoil barges will also be deployed to transfer mechanical removed spoils to the offload sites at Gator Creek Marine and 4000 Vasco Street. The spoil barges will work in a fashion to allow the mechanical operation to operate with minimal down time.

Mechanical dredging in the northern-most project extent, approximate Sta. 143+00 to 158+75, will be in very narrow portions of the creek. Should the 40'x30' long-reach barge not be able to access this area, a mini excavator will be placed on one of the 30'x16' spoil barges to perform sediment removal in these areas.

Should any rock be encountered during mechanical sediment removal operations, the operator will notify the Engineer's inspector immediately. Per contract, any rock removal larger than 0.5 cubic yards will qualify for the rock removal pay items and any rock less than 0.5 cubic yards in size will be counted towards sediment removal pay item. The Engineer's inspector will assist or advise as to which rocks qualify and the material will be separated as instructed on the barges and/or on land upon dredge/spoil barge return to the offload site. Should a rock shelf or rock not be able to be removed with the long-reach excavator or mini excavator, the location will be marked in the field and on the plans for the Engineer's inspector to advise if work can be omitted from this area. Should this 'difficult to remove' rock or rock shelf be considered necessary for removal, Gator Dredging will meet with the County and Engineer's to determine an action plan for removal.

13630 50TH WAY NORTH, CLEARWATER, FL 33760

OFFICE: 727-527-1300 FAX: 727-527-1303 www.gatordredging.com

Project Narrative

Lyngbya and Organic Sediment Removal

This project narrative provides the purpose, background and description of the removal of Lyngbya and detrital sediment with aquatic vegetation restoration.

Application Information:

- Name: Save Crystal River; attn: Lisa Moore - President
- Contact Address: P.O. Box 2258, Crystal River, FL 34423
- Phone: (352) 302-1004
- E-mail: lisa@gulfatlanticequipment.com
- Approximate Central Coordinates – Phase 1.A
    - Latitude: 28.893809 °
    - Longitude: -82.592415°
- Approximate Central Coordinates – Phase 1
    - Latitude: 28.885975 °
    - Longitude: -82.588488°

Purpose and Background

Crystal River is a spring fed water body, designated as an Outstanding Florida Water under Chapter 62-302.700 F.A.C), which legally deems the waters special protection due to their natural attributes, as well as one of the 500. Crystal River is unique in that the headwaters are freshwater springs, which transition into a tidally influenced river system that spans 6 miles and over 600 acres. The springs offer many recreation activities, and provide a portion of the tourism revenue to Crystal River and Citrus County.

The Crystal River System has been suffering a decline of water quality, which is commonly attributed to increased nutrient loads and invasive species. Commonly the invasive species and nutrient loading are linked, with the combination of increased nutrients and lack of natural controls allowing the invasive species to flourish. Recently, the Crystal River system had an influx of water hyacinth (Eichhorna crassipes), which were eradicated in an effort to control invasive species. Unfortunately, the eradication of hyacinth had unintended consequences, as the hyacinth is known for pollutant filtering and water clarifying (Sookah and Wilkie 2004), and the eradication of hyacinth often triggers algal blooms and provides opportunities for other invasive

species to replace it. The Crystal River system has been experiencing an increase of a cyanobacterium with algal properties, Lyngbya. The purpose of this pilot study is to develop a method of removal of one such species, Lyngbya spp. from the Crystal River system.

The proposed project is not just a Lyngbya removal project, as the problem is a compound one. Lyngbya a photosynthetically active, and rises and falls within the water column, with the ability to detach easily. As the Lyngbya dies, it sinks to the bottom of the affected waterbody, and slowly decomposes in the anaerobic environment. This creates a situation where the decaying matter provides a nutrient bank, as well as chokes out any habitat for native submerged aquatic vegetation (SAV). The proposed project is not only a method for Lyngbya removal, but also the organic material that has accumulated above the natural substrate.

Project Location

The Lyngbya is not isolated to the project area, as it is present in large portions of the Crystal River and Kings Bay, however, the Southwest Florida Water Management District (SWFMD) is actively working on restoration plans as well as monitoring the efforts in the natural portions of the systems, but are unable to work in the canal systems that extend off the natural waterways. The proposed project is taking place over approximately 4.72 acres with the suction dredge of 15,250 cubic yards within Phase 1.A as shown on **Sheet 01** and 14.76 acres with the suction dredge of 47,616 cubic yards within Phase 1 as shown on **Sheet 02**. To conclude the total area of 19.48 acres and the sediment suction dredge of 62,866 cubic yards.

Within Phase 1.A the canal systems which include Hunter Springs and Kings Bay are located adjacent to NE Bayshore Drive, SE 2nd Ave. and Beach Lane, in Crystal River, FL 34429. There are 105 different parcels that comprise the uplands, and a list of property ownership, is included as **Attachment A.**

Within Phase 1 the canal systems which include Spring Run and Biscayne Canal are located adjacent to SE Kings Bay Dr., SE Paradise Ave., SE Third Ave., SE Fourth Ave., SE Fifth Ave. and Three Sisters Springs Trail in Crystal River, FL 34429. There are 166 different parcels that comprise the uplands, and a list of property ownership, is included as **Attachment B.**

There is no dredging proposed of the existing sediments, only of the Lyngbya and organic materials that have accumulated in the canals. There has been no records found for the most recent dredging event or methodology used within the project limits for Phase 1.A or Phase 1.

Any existing native SAV will be left in place, Hydrilla will be cleared in order to remove Lyngbya / detritus. We do not expect any Native SAV impacts from this project. Any other native SAV species we encounter will have Lyngbya hand cleared from the immediate proximity (1 foot diameter). All invasive submerged aquatic vegetation (Hydrilla) shall be removed at both the initial vacuuming and the monthly maintenance of the GrowSAV Herbivory Exclusion Devices.

Smalltooth Sawfish critical habitat does not include areas containing existing (already constructed) federally authorized or permitted man-made structures such as channels or canals maintained at depths greater than 3 ft. at MLLW, boat ramps, docks, and marinas deeper than 3 ft at MLLW. No seagrasses, oysters, or mangroves will be impacted by the hydraulic dredging process.

All in-water work will follow the Standard Manatee Conditions for in-water work (2011) and the Sea Turtle and Smalltooth Sawfish Construction Conditions (2006), in addition, no Night time dredging will occur, and manatee spotters will be used during the entirety of the work, all work will be done in accordance with the IMA dredging conditions.

Hydraulic Dredging Process

Dredging will be performed using a barge (10' wide x 20' long) – **Figure 02** mounted pump which generates suction to pull the Lyngbya out of the water column and in through a modified protective cage, through an eight inch pipe, and up to the dewatering location located on **Figure 04**. The Lyngbya is a very loose material and will pass through the grates without relying on heavy degrees of suction. In addition, the barge will be fitted with a suction hose in order to remove Lyngbya and detritus on the bottom. Using manatee spotters, and having staff in the water guiding the suction location allows us to use extreme care not to impact any listed species, as well as not exceeding the authorized limits.

The sediment will be placed at an upland disposal site, and to use a self-contained disposal cell while dredge work is ongoing. The return water will spill over a baffle inside the tanks will then be piped back to the original dredge area. Thereby through continuous monitoring, the settling containers and piping is a closed system. Dredged material and/or return water will not spill and enter stormwater drains. The sediment volume proposed to be hauled off each dredge event is anticipated to be approximately 15-20 cubic yards. A plan view schematic of the proposed dredging area layout is included throughout **Sheets 01-58**.

Shall dredged sediments within the dewatering area fail to settle and cause water quality concerns, the sediments will be filtered through the use of a geosynthetic containment device (geotube) within the container. The return water from the geotube would be piped back into the original dredge area.

Pumped waters will remain enclosed within the piping and dewatering system, with the only discharge to the waters of the dredging area, a limited stormwater best management plan (BMP) will be implemented around the dewatering area. The project areas will be left clean and returned to previous conditions.

The Lyngbya/detritus removal timeframe will take six to twelve months for both Phase 1.A and Phase 1 and the scheduling of the removal will be dependent on manatee exclusion season. The planting of native Tape grass will occur concurrently with the removal of Lyngbya / detritus, as soon as it is technically feasible. Sea and Shoreline anticipates that it will conclude planting and placement of the GrowSAV Herbivory Exclusion Devices after the Lyngbya removal process has finished for each phase which will take approximately six months.

Turbidity Monitoring

Turbidity barriers will be staked or secured to uplands on the applicant held parcel. The turbidity barriers will be placed around the immediate work area, often from seawall to seawall, moving the barriers as each work area is completed. In an attempt to both control turbidity and allow a large enough work area to not inadvertently damage a turbidity barrier. With barriers too close to the work area, the dredge equipment may make contact and cause damage to the barrier. Please see **Figure 01** for a typical plan view of the turbidity controls and **Figure 03** for a profile description of the turbidity barriers used.

The turbidity barriers will be left up until the turbidity subsides, and will have dedicated manatee spotters on site to ensure that work will be stopped if a manatee is present, as well as prevent the entanglement of manatees. All loose ropes will be controlled, and the barriers properly installed. By removing the turbidity barriers while the site is not in operation, the risk of a manatee becoming entangled is the same as current conditions. When the turbidity barriers are present, the barrier will not adhere the movement or path of any manatees present due to the fact the turbidity barrier is not anchored or attached on the bottom, and the manatee can push through the bottom of the barrier. Understanding that this area has a high concentration of manatees; the experience and usage of these barriers have been practiced in thousands of dredging projects throughout Florida, and have never experienced any impacts to manatees.

Two locations are proposed for turbidity monitoring to ensure that return water does not exceed ambient background turbidity readings. Field turbidity measurements will be taken on 4-hour increments at Station TM-2 during dredging operations. Turbidity measurement will be taken at Station TM-1 as an ambient background level.

Restoring Submerged Aquatic Vegetation Process

The 4” planting units consist of a nursery grown Vallesenaria Americana planting unit inserted into a 0.04 cubic foot peat pot with associated clean sediment. The peat pot is 2” wide by 2” long by 2” tall, and composed of a mixture of sphagnum moss and wood chips. The planting process throughout the substrate will begin with dislodging the plant with a hand trowel, and the sediment shall be removed from the hole and kept on the hand trowel. The plant and peat pot shall be inserted into the hole then the substrate on the trowel shall be packed in and around the planting unit the excavated substrate is level with the surrounding sediment.

The GrowSAV herbivory exclusion devices are purposely built to withstand the force placed upon them by feeding manatees. The devices are 30 inches tall, with 26 inches of exposed mesh, the legs extend 4 inches into the sediment. The devices are 36 inches in diameter, and 7 square feet of area. Additionally, there is a 30lb weighted ring that is placed around the device that additionally secures the device to the sea bed. When planted cages were placed in the homosassa enclosure there was no evidence that the supersized manatees overturned the devices. The devices that are intended to be used for this project will use stainless steel hog ring to secure the metal mesh to the frame, a lighter galvanized hog clip was used in the successful prototypes. Additionally, a thicker rubber coated steel mesh shall be used with 1 inch square holes for this application. There will be possible incidences an exclusion cage will be placed in an area that will leave only one foot of vertical clearance, but the likelihood of the cages getting placed in areas with only one foot of clearance will be minimal, and will be placed in areas with none to minimal boat traffic (ex. Dead ends of canals). The majority of the exclusion cages will be placed in areas that will have a minimum of two feet of clearance, from site visits and observations the majority of vessels within the project area draft no more than one foot. Please see SWFWMD power point and additional pictures attached. Please see attached for a typical cross sectional drawing that shows the cages to scale after removing the Lyngbya.

Sea and Shoreline has accounted for monthly maintenance to remove invasive plants and filamentous algae with visual device inspection which is expected to take five days per month. Experience with the exclusionary cages (from the water management district PowerPoint) display that the cages are rather robust, and stay upright during periods of heavy grazing by manatees exceeding 1,000 pounds.

The following is the proposed monitoring of the Lyngbya coverage / SAV growth for both maintenance and reporting.

Event	Anticipated Completion Days
Project Initialtion	1095
Deploy GrowSAV Devices	40
Plant Peat Pot Units	60
QC GrowSAV Devices and plants	10
1st weekly monitoring	5
2nd weekly monitoring	5
3rd weekly monitoring	5
4th weekly monitoring and maintenance	10
1st bi-weekly monitoring	10
2nd bi-weekly monitoring and maintenance	10
1st monthly monitoring and maintenance	10
2nd monthly monitoring and maintenance	10
3rd monthly monitoring and maintenance	10
4th monthly monitoring and maintenance	10

5th monthly monitoring and maintenance	10
6th monthly monitoring and maintenance	10
7th monthly monittoring and maintenance	10
8th monthly monitoring and maintenance	10
9th monthly monitoring and maintenance	10
1st yearly report	10
GrowSAV Device removal	15
2nd yearly report	10
3rd yearly report	10

CONTRACT EXHIBIT

PROJECT DETAILS

PHASE 1.A:

AREA B = 21,705 SQ.FT.
0.50 ACRES
420 LINEAR FT.

AREA C = 74,965 SQ.FT.
1.72 ACRES
1,077 LINEAR FT.

TOTAL: 96,670 SQ. FT.
2.22 ACRES

SWFWMD:

AREA 1 = 21,700 SQ.FT.
0.50 ACRES

AREA 2 = 61,055 SQ.FT.
1.40 ACRES

AREA 3 = 52,490 SQ.FT.
1.21 ACRES

TOTAL: 135,245 SQ. FT.
3.11 ACRES

TOTAL OF PHASE 1.A & SWFWMD:

231,915 SQ. FT.
5.33 ACRES

GATOR DREDGING

WATERFRONT PROPERTY SERVICES, LLC.
dba GATOR DREDGING
13630 50TH WAY NORTH
CLEARWATER, FL 33760
PHONE 727. 527.1300 FAX 727. 527. 1303
www.gatordredging.com

N W E S

MLW = -0.91 ft-NAVD
MHW = +0.88ft-NAVD

FOR City of Crystal River

PROPOSAL ☐
PRELIMINARY ☒
PERMITTING ☐
ISSUED FOR CONSTRUCTION ☐
RECORD DRAWING ☐

CONTRACT EXHIBIT 6-23.DWG

EXHIBIT TITLE **PROJECT LOCATION MAP - SWFWMD CRITICAL AREAS (1, 2 & 3) & PHASE 1.A (B & C)**

Project Address:

900 SW Kings Bay
Crystal River, FL 34429

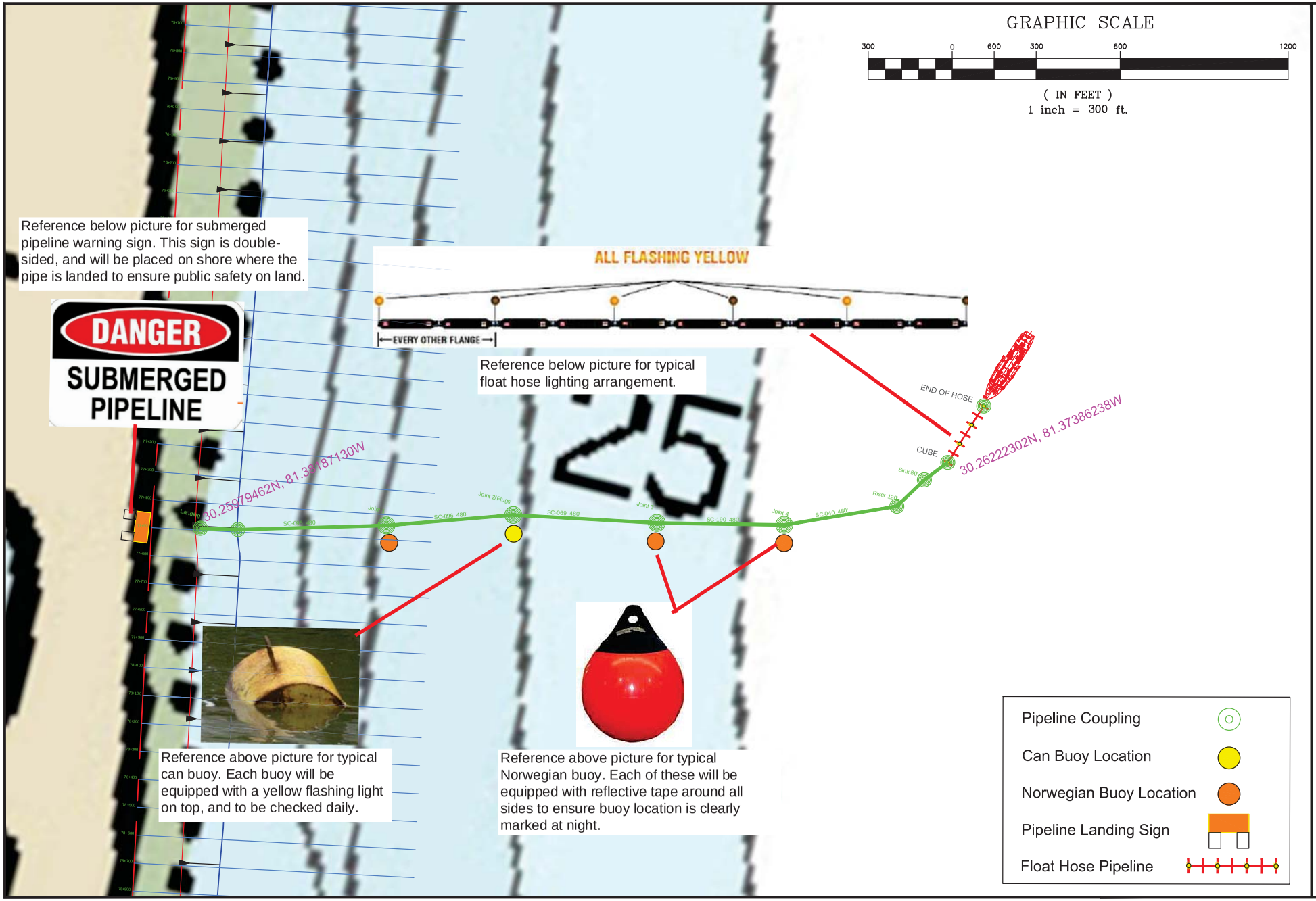
DATE : 08/08/2016:
DRAWN BY: KCD
CHECKED BY: WJC
JOB NO.: XXXXXX

REVISIONS:
08/18/2016: REDUCING SWFWMD AREA 2

Exhibit No.

EXHIBIT 0.1

SCALE: 1" = 200'



REVISIONS

DESCRIPTION	DATE

GREAT LAKES DREDGE AND DOCK COMPANY
2122 York Road Oak Brook IL 60521
CIVIL ENGINEERING/ SURVEYING DIVISION
Phone: 630 574-3000 Fax: 630 574-1515

PROJECT: Duval County Beaches Flordia

TITLE/SURVEY TITLE: NTM Terrapin Island Subline #1

SCALE: 1:300
DATE: Sept 12, 2016
ELEC. FILE NO.: 72527
DWG. FILE NO.: W912EP-13-O-0007 0013
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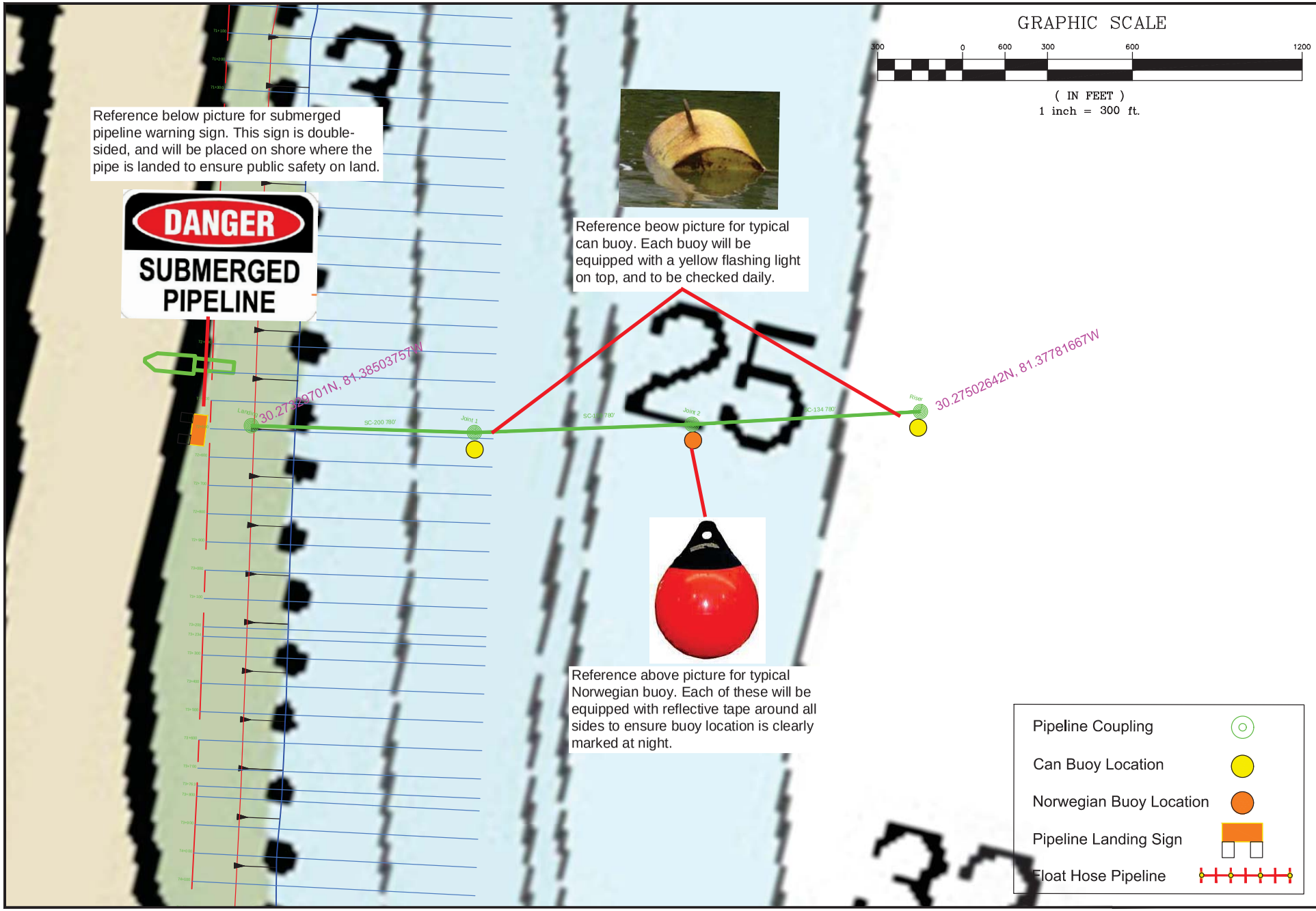
DESIGNED BY: A. Dirth
APPROVED BY: B. Dast

PAGE 01 OF 01 PAGES



REVISIONS

DESCRIPTION	DATE

GREAT LAKES DREDGE AND DOCK COMPANY
2122 York Road Oak Brook IL 60521
CIVIL ENGINEERING/ SURVEYING DIVISION
Phone: 630 574-3000 Fax: 630 574-1515

PROJECT: Duval County Beaches Flordia

TITLE/SURVEY TITLE: NTM Terrapin Island Subline #2

SCALE: 1:300
DATE: Sept 12, 2016
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DESIGNED BY: A. Dirth
APPROVED BY: B. Dast

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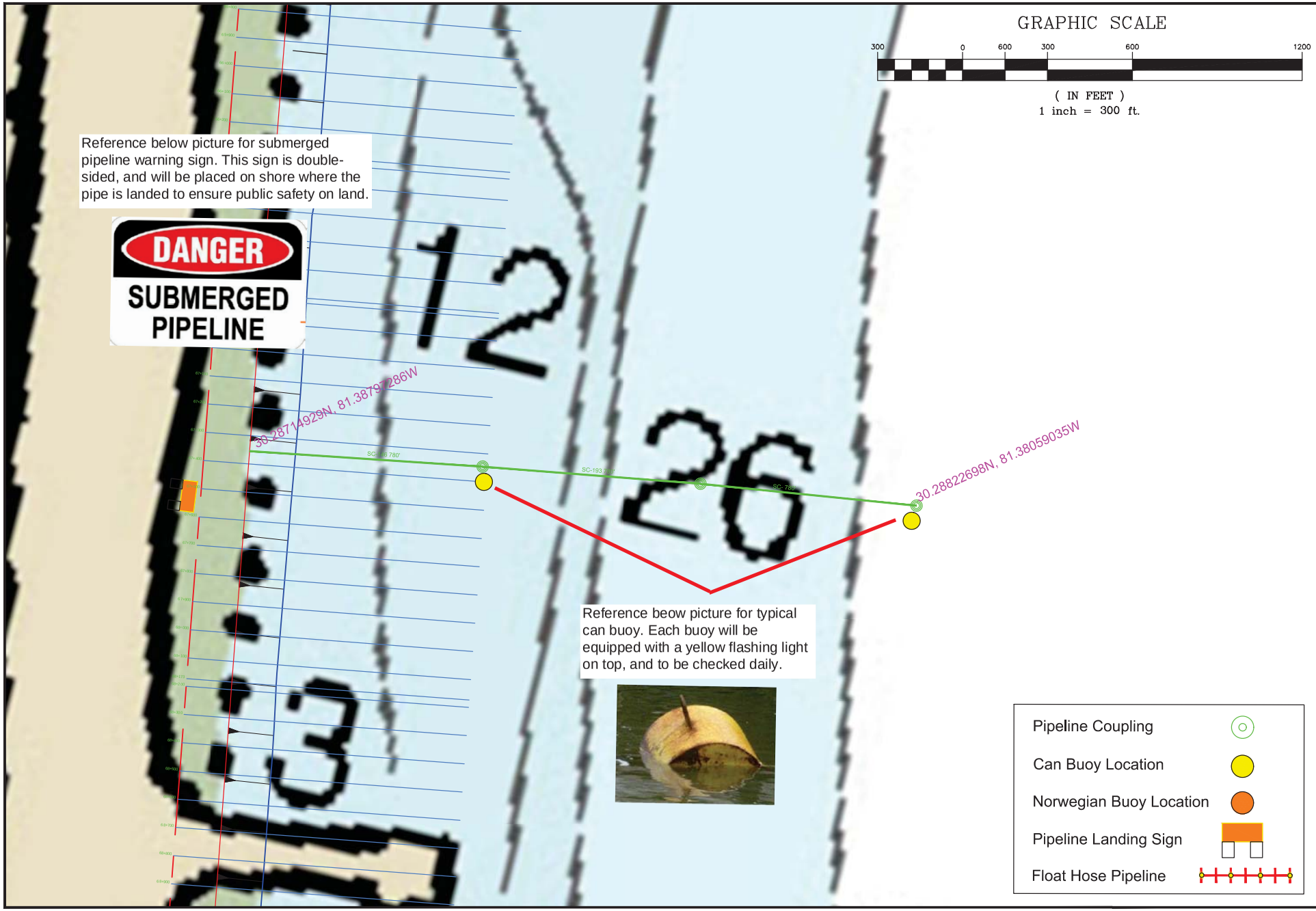


REVISIONS

DESCRIPTION	DATE

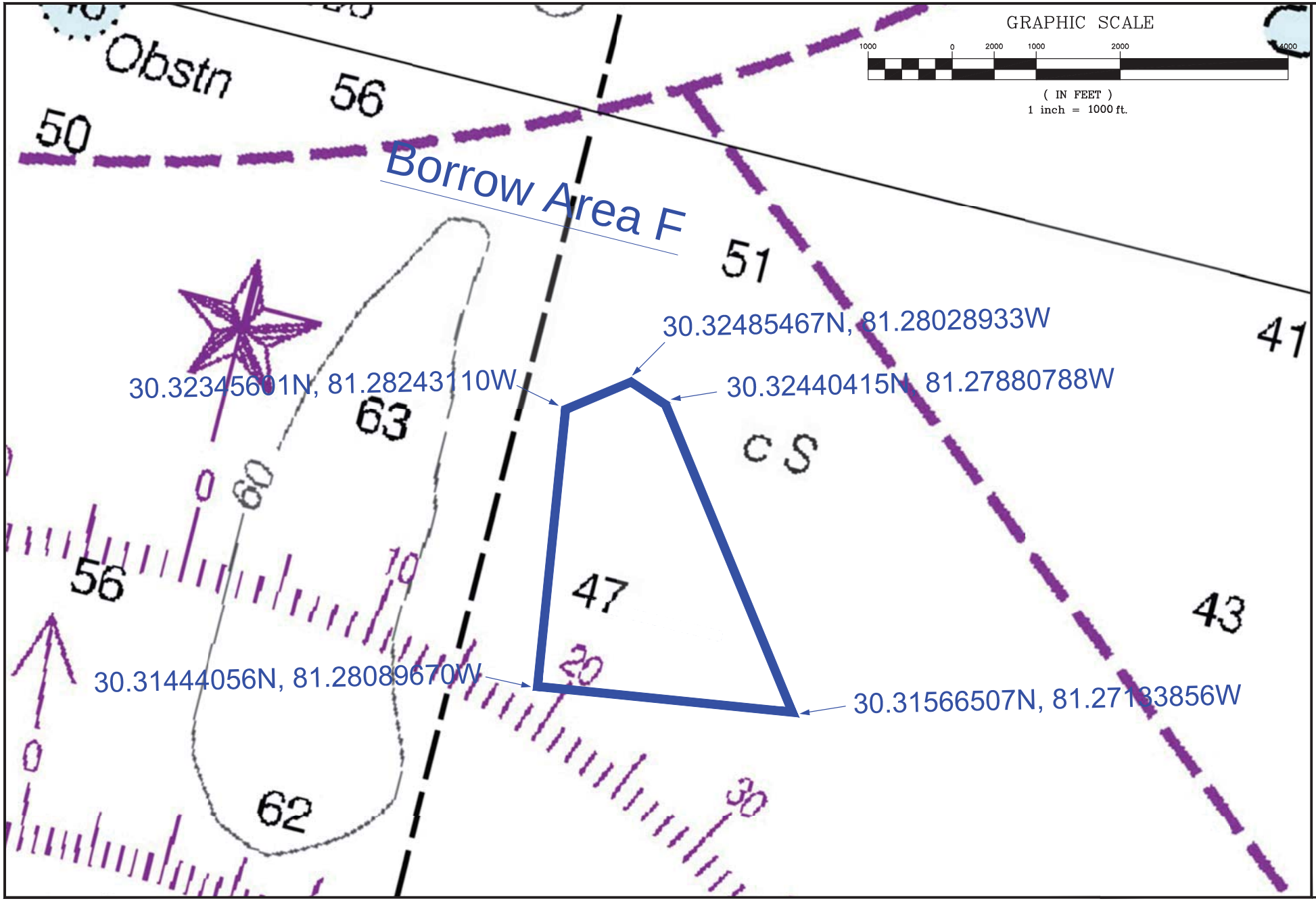
GREAT LAKES DREDGE AND DOCK COMPANY
2122 York Road Oak Brook IL 60521
CIVIL ENGINEERING/ SURVEYING DIVISION
Phone: 630 574-3000 Fax: 630 574-1515

PROJECT: Duval County Beaches Flordia

TITLE/SURVEY TITLE: NTM Terrapin Island Subline #3

SCALE: 1:300
DATE: Sept 22, 2016
ELEC. FILE NO.: 72527
CONT. ITEM NO.: W912EP-13-D-0007 0013
FILE NAME: C:\USERS\ELNELSON\DESKTOP\NTM TERRAPIN ISLAND SUBLINE #3.dwg
DESIGNED BY: E. Nelson
APPROVED BY: B. Dast

PAGE 01 OF 01 PAGES



REVISIONS

DESCRIPTION	DATE

GREAT LAKES DREDGE AND DOCK COMPANY
2122 York Road Oak Brook IL 60521
CIVIL ENGINEERING/ SURVEYING DIVISION
Phone: 630 574-3000 Fax: 630 574-1515

PROJECT: Duval County Beaches Flordia

TITLE/SURVEY TITLE: NTM Borrow Area F

SCALE: 1:1000

DATE: Aug 26, 2016

ELEV. DATUM: 72SP7

DWG. NO.: WB12EP-13-O-0007 0013

FILE NAME: [illegible]

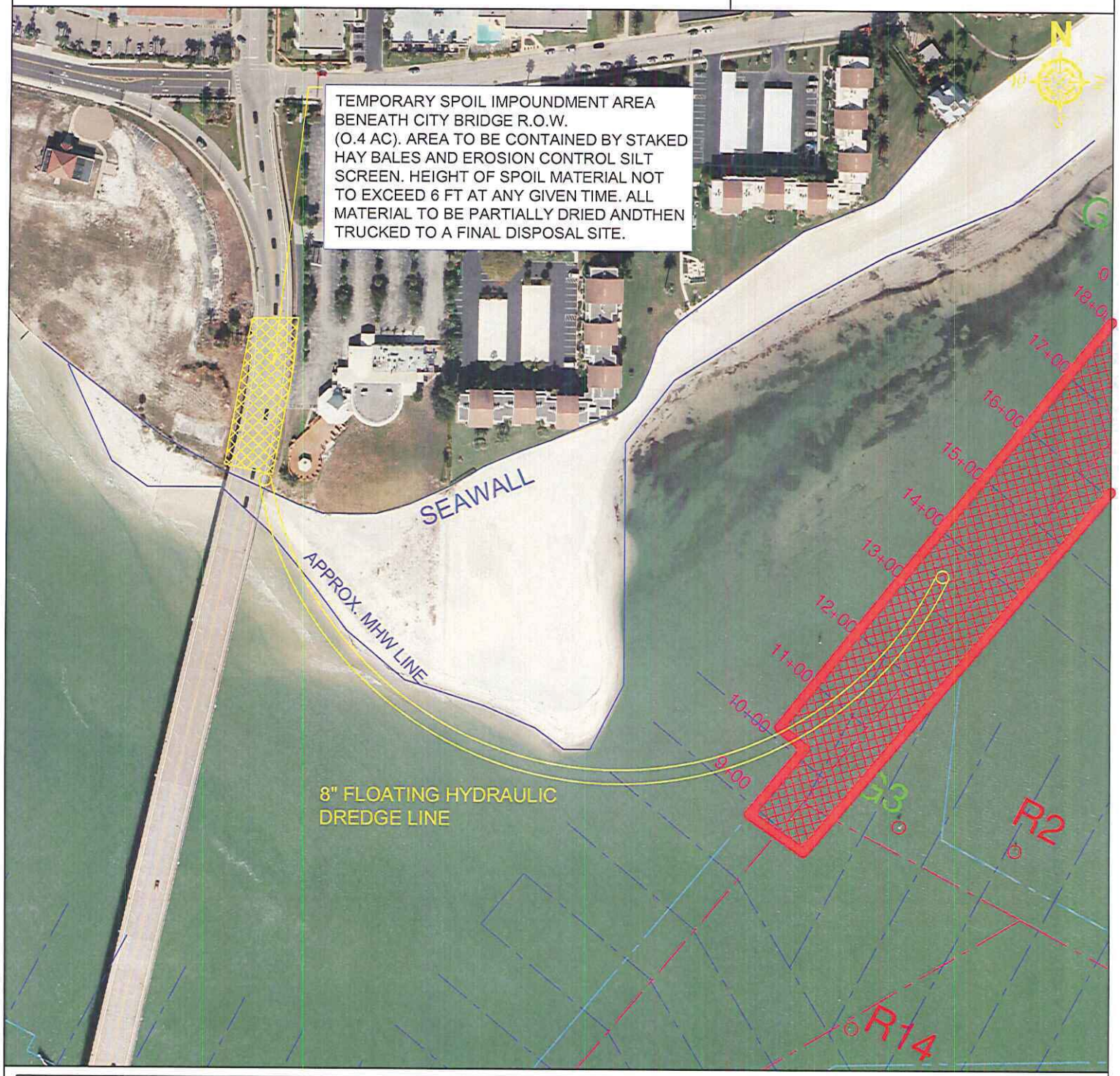
DESIGNED BY: A. Dirth

APPROVED BY: B. Dast

PAGE 01 OF 01 PAGES

MAINTENANCE DREDGE

Application # _____
(OFFICIAL USE ONLY)



SHEET 17

FLORIDA CERTIFICATE OF AUTHORIZATION #27664

1520 CHATEAUWOOD DRIVE
CLEARWATER, FLORIDA 33764
TEL: (727) 580-4341
FAX: (727) 530-3790

CLEARWATER PASS DREDGE

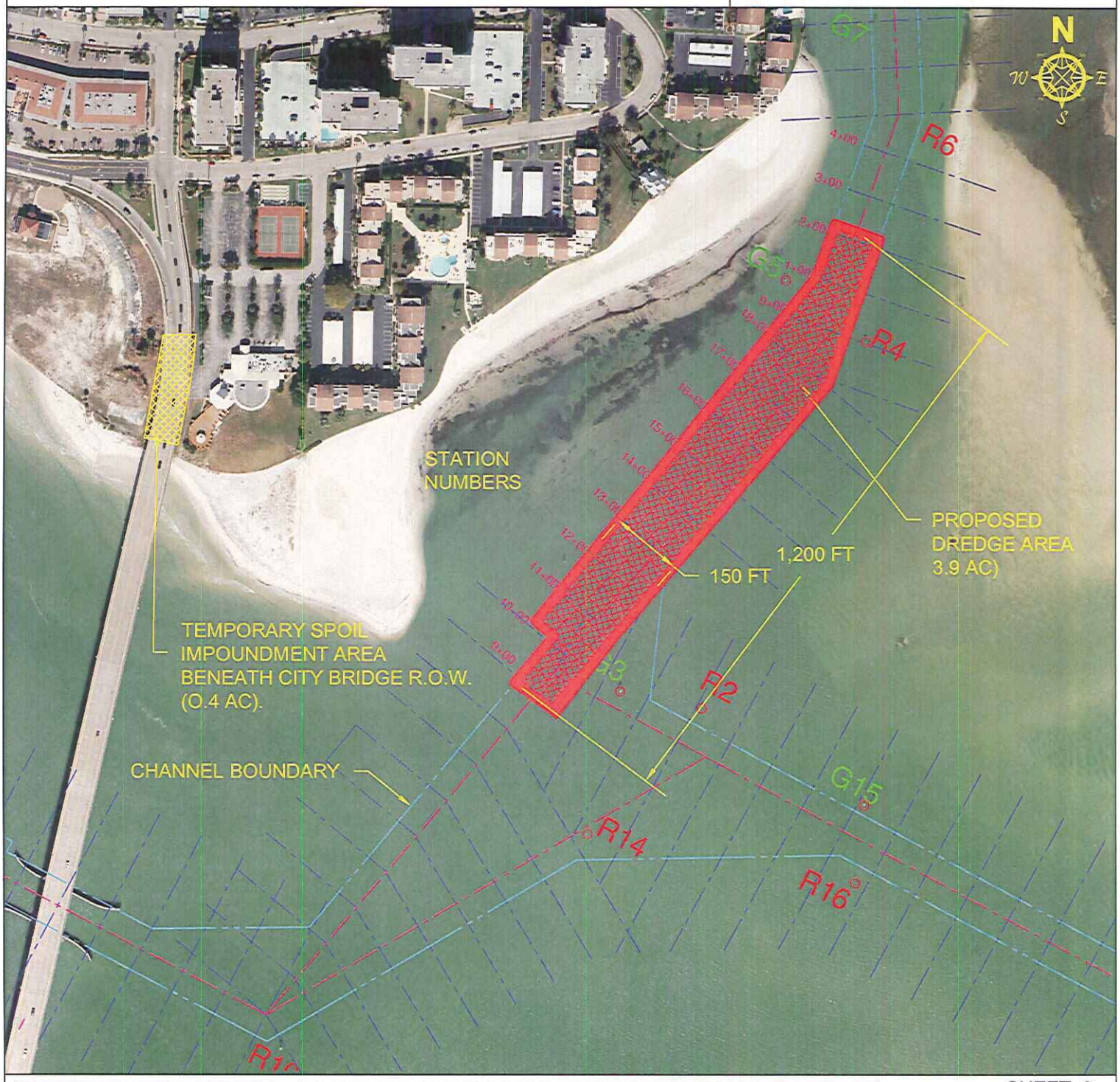
PROPOSED DREDGE AREA

WOODS CONSULTING
1714 COUNTY ROAD 1, SUITE 22
DUNEDIN, FL 34698
PH. (727) 786-5747
FAX (727) 786-7479

SCALE: 1" = 300'

MAINTENANCE DREDGE

Application # _____ (OFFICIAL USE ONLY)



SHEET 3

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