



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

LOCAL NOTICE TO MARINERS

District: 5

Week: 38/16

COASTAL WATERS FROM SHREWSBURY RIVER, NEW JERSEY TO LITTLE RIVER, SOUTH CAROLINA

The Local Notice to Mariners contains all information relevant to the waterways within the Fifth Coast Guard District and is updated each Tuesday on the U.S. Coast Guard Navigation Center website at <http://www.navcen.uscg.gov/?pageName=lnmDistrict®ion=5>.

If you have questions about the Fifth Coast Guard District Local Notice to Mariners (LNM), please contact:

COMMANDER
FIFTH COAST GUARD DISTRICT (dpw)
431 Crawford Street
Portsmouth, Virginia 23704

or for correspondence and article requests:

ward.b.posey@uscg.mil, (757) 398-6229 or matthew.e.kearney@uscg.mil, at (757) 398-6552 or CGD5Waterways@uscg.mil

All bearings are in degrees TRUE - All times are in Local Time unless otherwise noted.

AIDS TO NAVIGATION DISCREPANCY REPORTING

To report any Aids to Navigation discrepancies (missing, damaged, extinguished lights, off station), shoaling or hazards to navigation, discrepancies to bridge lighting, please contact the following 24 hour numbers:

1. For PA, NJ, DE waters, coastal and tributaries contact COGARD SECTOR DELAWARE BAY at (215) 271-4940.
2. For MD, DE in the Upper Chesapeake Bay and tributaries contact COGARD SECTOR MARYLAND NATIONAL CAPITAL REGION at (410) 576-2525.
3. For VA in Lower Chesapeake Bay below Smith Point Light and tributaries and VA, MD Eastern Shore Bay and coastal contact COGARD SECTOR HAMPTON ROADS at (757) 483-8567.
4. For NC waters, coastal and tributaries contact COGARD SECTOR NORTH CAROLINA at (910) 343-3882.

REFERENCES

Light List: ATLANTIC COAST, VOLUME II, COMDTPUB P16502.2, 2016 Edition.
U.S. Coast Pilot 3, Atlantic Coast: Sandy Hook, NJ to Cape Henry, VA, 2016 (49th) Edition.
U.S. Coast Pilot 4, Atlantic Coast: Cape Henry, VA to Key West, FL, 2016 (47th) Edition.

NAVIGATIONAL INTERNET SITES

Fifth Coast Guard District Prevention Division BLOGSPOT
<http://midatlantic.coastguard.dodlive.mil/>

2016 Light List/ Summary of Corrections.
<http://www.navcen.uscg.gov/index.php?pageName=lightListCorrections>

Bridges Public Notice Website.
<http://www.navcen.uscg.gov/?pageName=pnBridges>

NOAA Chart Corrections and Chart Viewer
<http://www.nauticalcharts.noaa.gov>

Coast Pilots, along with corrections are available at
<http://www.nauticalcharts.noaa.gov/nsd/cpdownload.htm>

D5 LNM Archived Back Issues
<http://www.navcen.uscg.gov/?pageName=lnmDistrict®ion=5>

Chesapeake Bay Weather Buoy
<http://www.cbos.org>
Tides on Line
<http://www.tidesonline.nos.noaa.gov/>
Tides, Currents, PORTS
<http://www.tidesandcurrents.noaa.gov/>

U.S. Army Corps of Engineers Willimington District Survey Maps and Shoaling Surveys
http://www.saw.usace.army.mil/Missions/Navigation/HydrographicSurveys.aspx
U.S. Army Corps of Engineers Norfolk District Survey Maps and Shoaling Surveys
http://gis.nao.usace.army.mil/ESDS/
U.S. Army Corps Of Engineers Baltimore District Survey Maps and Shoaling Surveys
http://www.nab.usace.army.mil/Missions/Civil-Works/Nav-Maps/
U.S. Army Corps of Engineers Philadelphia District Survey Maps and Shoaling Surveys
http://www.nap.usace.army.mil/Missions/CivilWorks/Surveys/Projects.aspx

ABBREVIATIONS

A through H

ADRIFT - Buoy Adrift
AICW - Atlantic Intracoastal Waterway
AI - 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
FI - 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.

**** FIFTH COAST GUARD DISTRICT LOCAL NOTICE TO MARINERS - NEW INFORMATION IN THE LOCAL NOTICE TO MARINERS ****

In an effort to bring attention to new or changed information in the Local Notice to Mariners (LNM) new and changed entries will be preceded and followed by four asterisks.

LNM: 25/16

NJ – GREAT EGG HARBOR BAY – DRAG CHANNEL – ROUTE 9, BEESLEY POINT BRIDGE DEMOLITION

Route 52 Construction will be continuing demolition work on remaining portion of the Route 9, Beasley Point Bridge, over Great Egg Harbor Bay, in Marmora, NJ, from August 23 through October 20, 2016. The Coast Guard is establishing a Safety Zone on all the water within 250 feet of

demolition work being conducted within the main navigational channel. Vessel traffic will be re-routed through an alternate channel to facilitate heavy equipment operating in the main navigational channel. The alternate channel will be established 100 feet south of the most southern portion of the bascule span which will have a horizontal clearance of 60 feet and an unlimited vertical clearance. The alternate navigational channel will be clearly marked by red and green lighted buoys to signify the channel. Vessels are required to contact the demolition crew via VHF-FM channel 13 or 16 to make satisfactory passing arrangement and maintain a safe speed when transiting the alternate navigational channel. Mariners are advised to proceed with caution when transiting the area.

Chart 12316

LNM: 34/16

VA – CHESAPEAKE BAY – CHAPE CHARLES TO NORFOLK HARBOR – US NAVY EXERCISE IN THE VICINITY OF FORT MONROE

The Captain of the Port, Hampton Roads will be establishing a Safety Zone for waters east of Fort Monroe located in Hampton, VA, on the Chesapeake Bay for a U.S. Navy Exercise. This Safety Zone will be enforced Monday through Friday, September 7, 2016 through October 7, 2016 from 8 a.m. until 4 p.m., each day.

The following area will be designated as a Safety Zone:

All waters in the vicinity of Fort Monroe, on the Chesapeake Bay, bound by a line drawn from latitude 37°07'06"N, longitude 076°13'12"W, thence east to 37°05'18"N, longitude 076°06'54"W, thence southeast to 37°04' 30"N, longitude 076°06' 30"W, thence south to 36°59'24".4N, longitude 076°08' 30"W, thence west to 37°01'18"N, longitude 076°15'36"W, thence to the point of origin.

See Enclosure 9, U.S. Navy Exercise in the Vicinity of Fort Monroe.

With the exception of participants, entry into or remaining in this Safety Zone is prohibited unless authorized by the Captain of the Port, Hampton Roads or designated representatives. Mariners should adjust their transits accordingly.

The USNS RELENTLESS will be on scene and will monitor VHF Channel 16. To view more information regarding this safety zone go to <http://www.regulations.gov>, type USCG-2016-0371 in the "SEARCH" box and click "SEARCH." Click on Open Docket Folder on the line associated with this rule. Should you have any questions or concerns regarding this matter, contact USCG Sector Hampton Roads, Waterways Management Division at (757) 668-5580 or HamptonRoadsWaterway@uscg.mil.

Chart 12222

LNM: 36/16

NC - HAZARDS OF NORTH CAROLINA COASTAL INLETS

This notice is to notify mariners about accessing hazardous inlets, to heighten public awareness about the hazards that exist in and around the inlets, and to provide the mariner with available information. Mariners are advised that shoaling conditions exist at following North Carolina coastal inlets:

Oregon Inlet Hatteras Inlet
Ocracoke Inlet Barden Inlet
Beaufort Inlet Bogue Inlet
New River Inlet Topsail Inlet
Masonboro Inlet Carolina Beach Inlet
Lockwoods Folly Inlet Shallotte Inlet

Shoaling conditions increase the potential for groundings. These inlets are subject to continual and sometimes rapid environmental changes.

Mariners are highly encouraged to obtain the most recent U.S. Army Corps of Engineers Wilmington, North Carolina District hydrographic survey information, centerline waypoints and controlling depth at:

<http://www.saw.usace.army.mil/Missions/Navigation/HydrographicSurveys.aspx>

Mariners should use caution when navigating in these areas and passage through the inlets is not recommended without local knowledge of the area. The aids to navigation in these inlets may not be charted and may not be marking best water due to continually shifting shoals. Consult Local Notice to Mariners, 5th Coast Guard District for the latest positions and status of aids to navigation:

<http://www.navcen.uscg.gov/?pageName=InmDistrict®ion=5>

To report any aids to navigation discrepancies (missing, damaged, off station, extinguished lights), shoaling, hazards to navigation, or discrepancies on bridge lighting, please contact Sector North Carolina Command Center (910) 343-2200.

LNM: 17/16

CAUTION TO BE USED IN RELIANCE UPON AIDS TO NAVIGATION

The aids to navigation depicted on charts comprise a system of fixed and floating aids with varying degrees of reliability. Therefore, prudent mariners will not rely solely on any single aid to navigation, particularly a floating aid. With respect to buoys, the buoy symbol is used to indicate the approximate position of the buoy body and the sinker, which secures the buoy to the seabed. The approximate position is used because of practical limitations in positioning and maintaining buoys and their sinkers in precise geographical locations. These limitations include, but are not limited to, inherent imprecision's in position fixing methods, prevailing atmospheric and sea conditions, the slope of and the material making up the seabed, the fact that buoys are moored to sinkers by varying lengths of chain, and the fact that buoy body and/or sinker positions are not under continuous surveillance but are normally checked only during periodic maintenance visits which often occur more than a year apart. The position of the buoy body can be expected to shift inside and outside the charting symbol due to the forces of nature. The mariner is also cautioned that buoys are liable to be carried away, shifted, capsized, sunk, etc. Lighted buoys may be extinguished or sound signals may not function as the result of ice, running ice or other natural causes, collisions, or other accidents. For the foregoing reasons, a prudent mariner must not rely completely upon the position or operation of floating aids to navigation, but will also utilize bearings from fixed objects and aids to navigation on shore. Further, a vessel attempting to pass close aboard always risks collision with a yawing buoy or with the obstruction the

buoy marks.

LNM: 13/16

******NOAA – NATIONAL WEATHER SERVICE - FTP MAIL SYSTEM CHANGES******

The Marine, Tropical and Tsunami Services Branch of the National Weather Service (NWS) wants to inform you of an important change in the NWS' FTPMail system. FTPMail is very popular system for mariners to request and receive NWS marine weather products via email. The Service Change Notice linked below highlights the change to the email address used to request and receive NWS Products via email.

<http://www.nws.noaa.gov/os/notification/scn16-37ftpmail.htm>

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 address 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.

LNM: 37/16

ECDIS DATA PRESENTATION AND PERFORMANCE CHECK

In order to promote safety of navigation, the International Hydrographic Organization (IHO) has produced two Electronic Navigational Chart (ENC) datasets designed to alert mariners to the possibility that their Electronic Chart and Display Information System (ECDIS) software may require upgrading. The IHO recommends that all mariners using ECDIS and ENCs visit the following website where they can find more information and instructions for using the test ENC datasets: <http://www.iho.int> > IHO News Links > ECDIS Data Presentation and Performance Check or directly from: http://www.iho.int/srv1/index.php?option=com_content&view=article&id=585&Itemid=828.

LNM: 09/12

IMPORTANT SAFETY NOTICE ABOUT THE RELIABLE OPERATION OF ECDIS

Following an announcement by the International Maritime Organization (IMO) concerning potential display anomalies in some ECDIS systems, the International Hydrographic Organization (IHO) issued an ENC Data Presentation and Performance Check in October 2011. This check is intended to assist mariners and to help determine the extent of the anomalies. IHO has received reports from mariners confirming that a number of ECDIS fail to display some significant underwater features in the "Standard" display mode. For all significant objects to be visible to the mariner, these ECDIS must be operated in "Full display" or "All display" mode until a software upgrade is made available from the manufacturer. Mariners are strongly encouraged to use the IHO ENC Data Presentation and Performance Check issued through ENC service providers and also available directly from the IHO website (www.iho.int) to check the operation of their ECDIS and to determine whether their system is affected. IHO Circular Letter 33/2012 is available on the Coast Guard's Navigation Center website (<http://www.navcen.uscg.gov>) under the heading News and Notices.

LNM: 12/12

******INTERFERENCE WITH AIDS TO NAVIGATION******

U. S. Code, Title 14, Part I, Chapter 5, § 84

It shall be unlawful for any person, or public body, or instrumentality, excluding the armed forces, to remove, change the location of, obstruct, willfully damage, make fast to, or interfere with any aid to navigation established, installed, operated, or maintained by the Coast Guard pursuant to section 81 of this title, or with any aid to navigation lawfully maintained under authority granted by the Coast Guard pursuant to section 83 of this title, or to anchor any vessel in any of the navigable waters of the United States so as to obstruct or interfere with range lights maintained therein. Whoever violates the provisions of this section shall be guilty of a misdemeanor and shall be fined not more than \$1,500 for each offense. Each day during which such violation shall continue shall be considered as a new offense.

U. S. Code, Title 14, Part I, Chapter 5, § 84

LNM: 13/16

NOAA PRODUCTION OF LITHOGRAPHIC

Traditional printing of NOAA paper nautical charts was discontinued April 13, 2014. NOAA will continue to create and maintain other forms of nautical charts, including the increasingly popular Print on Demand (POD) charts, updated paper charts available from NOAA-certified printers. NOAA electronic navigational charts (NOAA ENC®) and raster navigational charts (NOAA RNC®), used in a variety of electronic charting systems, are also updated weekly and are available for free download from the Coast Survey website. For more information, please visit NOAA's Office of Coast Survey's homepage at <http://www.nauticalcharts.noaa.gov/>. The POD charts produced by NOAA's POD partners are, and will continue to be considered published by NOAA, and will meet all mandatory carriage requirements as specified by navigation safety regulations: 33 CFR 164.01 and 33CFR 164.33.

LNM: 13/16

U.S. COAST GUARD AUXILIARY – PUBLIC EDUCATION CLASSES – FIND BY ZIPCODE

The National Public Education Calendar Database provides a single, unified national database that holds and displays all public education courses taught by our various flotillas nationwide. In addition, a Zip Code search permits members of the general public to enter a Zip Code of interest, and find all public education courses being taught within a selected distance from that Zip Code.

http://www.cgaux.org/boatinged/class_finder/index.php

LNM: 20/14

WESTERN ATLANTIC AND U.S. COASTAL WATERS - NORTH CAROLINA – SUNKEN MILITARY CRAFT ACT (SMCA) –PROHIBITION ON DISTURBING, REMOVING ARTIFACTS OR DAMAGING SUNKEN CRAFT

All mariners are advised of the special protections provided to sunken military craft by the "Sunken Military Craft Act" (SMCA) (Public Law 108-375). Along the U.S. East Coast, and particularly off North Carolina, there are many sunken U.S. and foreign military craft. Sunken military craft may be the final resting places of military personnel who died in service to their country and are also important historical resources. One very notable example is the wreck of the USS MONITOR, off the NC Coast, also protected by the National Marine Sanctuaries Act. Under international and U.S. law, sunken foreign military craft, including those located in U.S. waters, remain the property of their respective country's government. Sovereign immune vessels, such as military crafts, are afforded protections under U.S. and international law. Included among these vessels are at least three known sunken German submarines (commonly called U-boats) located in waters off the North Carolina coast. These U-boats remain the property of the Federal Republic of Germany. In accordance with the SMCA, no person shall engage in or attempt to engage in any activity directed at a sunken military craft that disturbs, removes, or injures the sunken craft or the associated contents of the craft except as authorized by law. This includes, but is not limited to, the equipment, cargo, contents of the vessel, and the remains and personal effects of the crew and passengers. Mariners are urged to exercise due care when operating in the vicinity of military wrecks, as they can be damaged by both purposeful or inadvertent activities including anchoring, fishing, diving, and other marine activities. Special dangers, such as unexploded ordnance, may also be associated with sunken military craft, and should be considered when operating in these areas. Violations of the SMCA may subject individuals to penalties of up to \$100,000 and to liability for damages. Mariners who witness theft of material from, disturbance of, or damage to a sunken military craft are asked to report it to the nearest U.S. Coast Guard unit.

LNM: 45/09

SAFETY NOTICE - NAVIGATIONAL RANGE STRUCTURES ON ELECTRONIC CHARTS

The U.S. Coast Guard has become aware that Coast Guard information used to depict a rangeline on NOAA Electronic Navigational Charts (ENC) may not be of sufficient accuracy to accurately portray the rangeline on the ENC. Mariners are cautioned that the position of a rangeline as shown on an ENC may not reflect its true position.

LNM: 04/11

USCG NAVIGATIONAL INFORMATION SERVICE (NIS)/USCG NAVIGATION CENTER

The United States Coast Guard Navigational 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 on GPS, DGPS, Navigational Rules, and maritime information. The NIS also disseminates Safety Broadcasts (BNM), Local Notice to Mariners (LNM), and the latest Notice Advisory to Navstar (NANU). These notices can also be obtained via-e-mail subscription through the USCG Navigation Center website (<http://www.navcen.uscg.gov/?pageName=gpsSubscribe>). In addition, the NIS investigates all reports of degradation or loss of GPS, DGPS and AIS service. Mariners are encouraged to report all degradation of radio navigation services to the NIS via any of the following: Phone: 703-313-5900, Email: webmaster@navcen.uscg.mil or on the World Wide Web at <http://www.navcen.uscg.gov>.

******COAST PILOT 4 - NEW EDITION******

PUBLICATION – National Oceanic Atmospheric Administration (NOAA) – U.S. Coast Pilot 4, Atlantic Coast: Cape Henry, VA to Key West, FL, 47th Edition, 2016, has been issued and is ready for free download at: <http://nauticalcharts.noaa.gov/nsd/cpdownload.htm>. Print-on-Demand (POD) bound copies are available for purchase at: <http://www.nauticalcharts.noaa.gov/staff/charts.htm#POD>. The 2016 Edition cancels the preceding 2015 Edition, and incorporates all previous corrections.

LNM: 36/16

BROADCAST NOTICES TO MARINERS

Navigation information having been of immediate concern to the Mariner and promulgated by the following Broadcast Notices to Mariners (BNMs) have been incorporated in this notice when still significant at the date of this publication.
CCGD5 (D5) - 439, 441, 442, 443, 444, 445, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462-16.
Sector Delaware Bay (DB) - 335, 339, 347, 350, 351, 352, 354, 357, 361-16.
Sector Maryland National Capital Region (MD) - 313, 314, 315, 316, 318, 319, 320, 321, 323, 325, 326, 327, 328-16.
Sector Hampton Roads (HR) - 314, 315, 316, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 333, 334, 335-16.
Sector North Carolina (NC) - 497, 498, 499, 505, 506, 507, 508, 509, 511, 512, 513, 514, 517, 519, 524, 525, 526, 529, 530, 533, 538, 539, 540, 541-16.

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
155	Cape May Light	REDUCED INT	12316	251DB	26/16	
270	Winter Quarter Shoal Lighted Buoy 6	MISSING	12201	331HR	38/16	
350	Cape Charles Light	LT EXT	12222	384HR	18/13	
500	Rudee Inlet Lighted Whistle Buoy RI	LT EXT	12205	335HR	38/16	
570	Navy Air Combat Maneuvering Range Tower Light A	LT EXT	12200	413NC	32/16	
585	Navy Air Combat Maneuvering Range Tower Light G	LT EXT	12200	407NC	27/12	
640	Diamond Shoals Lighted Buoy 12	REDUCED INT	11555	263NC	22/16	
795	New Topsail Inlet Lighted Whistle Buoy NT	SINKING	11541	466NC	31/16	
810	Oak Island Light	LT IMCH	11534	543NC	38/16	
865	Lockwoods Folly Inlet Lighted Whistle Buoy LW	OFF STA	11534	394NC	30/16	
1110	Little Egg Inlet Lighted Buoy 3	OFF STA	12316	357DB	37/16	
2055	Delaware Bay East Icebreaker Light 2	STRUCT DEST/LT EXT	12216	186DB	20/16	
2065	Roosevelt Inlet Jetty Light 1R	LT EXT/DAYMK MISSING	12216	337DB	28/16	
2070	Roosevelt Inlet Jetty Light 2	DAYMK DMGD	12216	266DB	28/16	
2073	Roosevelt Inlet Buoy 4	MISSING	12216	350DB	37/16	
2115	Rehoboth Bay Channel Lighted Buoy 9	MISSING	12216	334DB	34/16	
2865	Pea Patch Island Spawn Daybeacon PPD	STRUCT DEST	12311	352DB	37/16	
2915	Pea Patch Island Dike Warning Light B	STRUCT DEST/HAZ NAV	12311	351DB	37/16	
3135	Marcus Hook Range Front Light	REDUCED INT	12312	306DB	32/16	
3290	Tinicum Range Rear Light	LT EXT	12313	168DB	19/16	
3820	Enterprise Lower Range Front Light	REDUCED INT	12314	141DB	15/16	
3845	Enterprise Upper Range Rear Light	REDUCED INT	12314	140DB	15/16	
4150	Kinkora Upper Range Rear Light	LT EXT	12314	616DB	47/15	
4375	Indian River Inlet South Jetty Light 3	DAYMK IMCH	12216	264DB	28/16	
4861	Isle Of Wight Bay Buoy 11A	MISSING	12211	314MD	36/16	
5205	Chincoteague Bay Daybeacon 26	STRUCT DEST/TRUB	12211	189MD	13/15	
5215	Chincoteague Bay Daybeacon 23	STRUCT DEST/TRUB	12211	190MD	13/15	
5477	Chincoteague Bay Daybeacon 16A	TRUB/STRUCT DEST	12211	223HR	11/15	
5495	Chincoteague Bay Daybeacon 23	STRUCT DEST/TRUB	12211	190MD	13/15	
5505	Chincoteague Bay Daybeacon 26	STRUCT DEST/TRUB	12211	189MD	13/15	
5545	Wallops Island Lighted Buoy 6	MISSING	12210	288HR	35/16	
5755	Virginia Inside Passage Daybeacon 49	STRUCT DEST	12210	306HR	20/15	
5767	Virginia Inside Passage Daybeacon 52	DAYMK MISSING	12210	242HR	26/14	
5870	Virginia Inside Passage Daybeacon 82	STRUCT DEST/TRUB	12210	285HR	18/15	
5885	Virginia Inside Passage Light 87	STRUCT DEST/TRUB	12210	264HR	17/15	
5935	Virginia Inside Passage Daybeacon 103	STRUCT DEST/HAZ NAV/TRUB	12210	266HR	17/15	
5940	Virginia Inside Passage Daybeacon 105	STRUCT DEST	12210	267HR	17/15	
5945	Virginia Inside Passage Daybeacon 106	STRUCT DEST	12210	261HR	17/15	
6010	Virginia Inside Passage Daybeacon 125	DAYMK MISSING	12210	250HR	30/16	
6080	Virginia Inside Passage Daybeacon 145	DAYMK MISSING	12210	323HR	38/16	
6090	Virginia Inside Passage Daybeacon 147	DAYMK MISSING	12210	324HR	38/16	
6115	Virginia Inside Passage Daybeacon 153	DAYMK MISSING	12210	056HR	07/15	
6120	Virginia Inside Passage Daybeacon 154	DAYMK MISSING	12210	325HR	38/16	
6137	Virginia Inside Passage Daybeacon 157B	DAYMK MISSING	12210	057HR	07/15	
6145	Virginia Inside Passage Light 160	DAYMK MISSING	12210	058HR	07/15	
6160	Virginia Inside Passage Daybeacon 163	STRUCT DEST	12210	226HR	14/15	
6170	Virginia Inside Passage Daybeacon 165	DAYMK MISSING	12210	059HR	07/15	
6180	Virginia Inside Passage Light 169	STRUCT DMGD	12210	060HR	07/15	
6210	Virginia Inside Passage Light 180	STRUCT DMGD	12210	384HR	36/11	

6245	Virginia Inside Passage Light 191	DAYMK DMGD	12224	014HR	02/16
6280	Virginia Inside Passage Daybeacon 199	DAYMK MISSING	12224	014HR	02/16
6285	Virginia Inside Passage Daybeacon 199A	STRUCT DEST	12224	014HR	02/16
6320	Virginia Inside Passage Daybeacon 206	DAYMK MISSING	12221	014HR	02/16
6343	Virginia Inside Passage Daybeacon 211	STRUCT DEST	12224	014HR	02/16
6348	Virginia Inside Passage Daybeacon 213	MISSING	12224	014HR	02/16
6355	Virginia Inside Passage Light 215	LT EXT/DAYMK MISSING	12224	014HR	32/13
6375	Virginia Inside Passage Daybeacon 218	DAYMK MISSING	12224	014HR	02/16
6385	Virginia Inside Passage Daybeacon 219	STRUCT DEST	12224	014HR	02/16
6390	Virginia Inside Passage Daybeacon 221	DAYMK MISSING	12224	014HR	02/16
6415	Virginia Inside Passage Daybeacon 225	DAYMK MISSING	12224	014HR	02/16
6440	Virginia Inside Passage Light 232	DAYMK MISSING	12224	200HR	02/16
6485	Virginia Inside Passage Daybeacon 244	TRLB/STRUCT DEST	12224	339HR	44/12
6495	Virginia Inside Passage Daybeacon 245A	MISSING/TRUB	12224	420HR	22/15
6565	Virginia Inside Passage Light 262	DAYMK MISSING	12224	326HR	38/16
6570	Virginia Inside Passage Buoy 263	MISSING	12224	338HR	22/15
6590	Virginia Inside Passage Light 267	DAYMK MISSING	12222	161HR	22/16
6675	Wachapreague Channel Light 9	STRUCT DEST/TRLB	12210	050HR	08/15
6690	Virginia Inside Passage Daybeacon 125	DAYMK MISSING	12210	250HR	30/16
6745	Virginia Inside Passage Light 160	DAYMK MISSING	12210	058HR	07/15
6750	Quinby Creek Light 1	DAYMK MISSING	12210	319HR	38/16
6755	Quinby Creek Daybeacon 2	DAYMK MISSING	12210	320HR	38/16
6760	Quinby Creek Light 3	DAYMK MISSING	12210	321HR	38/16
6766	Quinby Creek Buoy 5	MISSING	12210	218HR	23/13
6770	Quinby Creek Daybeacon 7	DAYMK MISSING	12210	322HR	38/16
6776	Quinby Creek Lighted Buoy 9	MISSING	12210	129HR	18/12
6780	Quinby Creek Light 11	MISSING/STRUCT DEST	12210	353HR	35/13
6820	Great Machipongo Inlet Light 5	LT EXT	12224	559HR	49/15
6850	Great Machipongo Inlet Daybeacon 12	DAYMK MISSING	12210	019HR	02/16
6855	Great Machipongo Inlet Daybeacon 13	TRLB/STRUCT DEST	12210	467HR	34/15
6920	Great Machipongo Channel Light 8	STRUCT DEST/TRLB	12210	159HR	22/16
6945	Great Machipongo Channel Daybeacon 15	DAYMK MISSING	12210	018HR	02/16
6991	Sand Shoal Channel Daybeacon 3	STRUCT DEST/TRUB	12224	421HR	29/15
6992	Sand Shoal Channel Light 4	LT EXT/STRUCT DMGD	12224	016HR	02/16
6993	Sand Shoal Channel Daybeacon 5	STRUCT DEST/TRUB	12224	422HR	29/15
6994	Sand Shoal Channel Light 7	REDUCED INT	12210	140HR	21/16
7440	Chesapeake Channel Lighted Buoy 62	LT EXT/RAC INOP	12225	334HR	36/16
7990	Sandy Point Shoal Light	LT EXT	12282	329MD	38/16
8155	Brewerton Channel Range Rear Light	LT EXT	12281	303MD	35/16
8267	Fort McHenry Channel Lighted Buoy 10	OFF STA	12281	321MD	38/16
11525	Warwick River Daybeacon 2	STRUCT DEST/TRUB	12248	122HR	19/16
11995	Jamestown Island Daybeacon 2	STRUCT DEST	12248	208HR	13/15
12640	James River Channel Light 133	LT EXT	12252	143HR	21/16
14215	East River Daybeacon 15	DAYMK DMGD	12238	333HR	38/16
14390	North River Light 5	LT EXT	12238	272HR	34/16
15610	Hoskins Creek Range Rear Light	LT EXT	12237	269HR	31/16
17260	Wicomico River Warning Daybeacon	DAYMK MISSING	12286	323MD	24/15
17460	Potomac River Channel Buoy 27	SINKING	12287	319MD	37/16
17585	Line of Fire Buoy O	OFF STA/SINKING	12286	320MD	38/16
17800	Port Tobacco River Daybeacon 12	STRUCT DEST/TRUB	12288	262MD	30/16
17805	Port Tobacco River Daybeacon 14	DAYMK IMCH	12288	265MD	31/16
19330	Herring Bay Daybeacon 3	DAYMK DMGD	12266	264MD	30/16
19404	Rockhold Creek Channel Buoy 7	OFF STA	12266	327MD	38/16
19407	Rockhold Creek Channel Daybeacon 10	STRUCT DMGD	12266	275MD	32/16

19535	Cadle Creek Daybeacon 2	DAYMK IMCH	12270	NONEMD	37/16
19635	South River Light 12	LT EXT	12270	325MD	38/16
20515	North Point Creek Light 2	LT EXT/TRLB	12278	255MD	29/16
21413	North Channel Buoy 18	DAYMK IMCH	12224	317HR	38/16
21475	Cape Charles City Approach Light C	DAYMK DMGD	12224	101HR	16/16
21495	Cape Charles City Jetty Light	DAYMK DMGD	12224	327HR	38/16
21665	Nassawadox Creek Warning Daybeacon H	STRUCT DEST/HAZ NAV/TRUB	12226	074HR	12/16
21790	Nandua Creek Channel Warning Daybeacon F	DAYMK MISSING	12226	203HR	12/15
23410	Goose Creek Channel Daybeacon 6	STRUCT DEST/TRLB	12231	121MD	11/15
23955	Wicomico River Channel Light 55	LT EXT/TRLB	12261	221MD	24/16
25920	Knapps Narrows West Channel Light 1	STRUCT DMGD	12266	273MD	32/16
27040	Harts Island Channel Daybeacon 10	DAYMK IMCH	12278	315MD	36/16
27340	Bush River Wreck Light WR7	LT EXT	12274	313MD	36/16
27450	Sassafras River Channel Lighted Buoy 5	BUOY DMGD/LT EXT	12274	326MD	38/16
28003	Oregon Inlet Lighted Buoy 6	LT EXT	12204	497NC	36/16
28480	Roanoke Sound Channel Daybeacon 21	STRUCT DEST/TRUB	12204	529NC	38/16
28640	Hatteras Inlet Lighted Buoy 1	MISSING	11555	530NC	36/16
28715	South Ferry Terminal Light 7	MISSING/STRUCT DEST/TRLB	11555	160NC	09/16
28964	Teaches Hole Lighted Buoy 27	LT EXT	11550	459NC	35/16
29077	Big Foot Slough Channel Daybeacon 12	STRUCT DEST/TRUB	11550	431NC	34/16
29300	Harkers Island East Channel Light 10	TRLB/STRUCT DEST	11545	222NC	16/13
29430	Morehead City Channel Range Front Light	LT EXT	11547	037NC	05/16
29435	Morehead City Channel Range Rear Light	STRUCT DEST	11547	389NC	27/14
29516	Bogue Inlet Buoy 5A	OFF STA	11541	474NC	36/16
29970	New Topsail Inlet Lighted Whistle Buoy NT	SINKING	11541	466NC	31/16
30020	New Topsail Inlet Buoy 7	MISSING	11541	405NC	31/16
30025	New Topsail Inlet Buoy 8	OFF STA	11541	406NC	31/16
31005	Lockwoods Folly Inlet Lighted Whistle Buoy LW	OFF STA	11534	394NC	30/16
31047	Lockwoods Folly Inlet Buoy 12	OFF STA	11534	429NC	34/16
31170	Whale Head Bay Light 1	STRUCT DEST/LT EXT/TRLB	12204	519NC	18/15
31370	Powells Point Daybeacon 4PP	DAYMK MISSING/STRUCT DMGD	12204	499NC	37/16
32195	Buxton Harbor Approach Light 1B	LT EXT	11555	460NC	36/16
32240	Buxton Harbor Daybeacon 16	DAYMK MISSING	11555	512NC	37/16
32325	Durant Point Daybeacon 4	DAYMK MISSING	11555	513NC	37/16
32330	Durant Point Daybeacon 6	DAYMK MISSING	11555	514NC	37/16
33085	Eastham Creek Daybeacon 5	STRUCT DEST/TRUB	11553	505NC	36/16
33335	Broad Creek Light 4	LT EXT	11554	391NC	30/16
33490	Cedar Island North Light	LT EXT/DAYMK MISSING/STRUCT DMGD	11550	045NC	29/14
33801	Dawson Creek Entrance Buoy 4	MISSING	11552	NONENC	35/16
34137	Neuse River Channel Buoy 50E	OFF STA	11552	507NC	37/16
34151	Neuse River Channel Buoy 51C	OFF STA	11552	508NC	37/16
34315	Trent River Daybeacon 20	TRLB/STRUCT DEST	11552	523NC	39/15
34415	Cedar Island Bay Channel Light 6	LT EXT	11550	525NC	37/16
34520	Core Sound Light 24	DAYMK MISSING	11545	369NC	29/16
34595	Oyster Creek Daybeacon 3	STRUCT DEST/TRLB	11550	409NC	31/16
35310	New Jersey Intracoastal Waterway Daybeacon 80	STRUCT DMGD/TRLB	12324	080DB	04/16
35400	New Jersey Intracoastal Waterway Daybeacon 102	STRUCT DEST/TRLB	12316	034DB	18/15
36745	Cape May Harbor Light 8	STRUCT DEST/DAYMK MISSING	12317	303DB	31/16

37795	Great Bridge to Albemarle Sound Daybeacon 166	STRUCT DEST/TRUB	12206	498NC	36/16
37905	Alligator River Daybeacon 30	STRUCT DEST/TRUB	11553	093NC	09/16
38440	Russell Slough Junction Light RS	STRUCT DEST/TRLB	11541	385NC	12/16
38467	Russell Slough Daybeacon 6A	STRUCT DEST/TRLB	11541	517NC	37/16
39223	Bogue Sound - New River Buoy 61A	OFF STA	11541	541NC	38/16
39365	New River - Cape Fear River Light 23	STRUCT DEST/TRLB	11541	542NC	38/16
39375	New River - Cape Fear River Light 27	STRUCT DEST/HAZ NAV	11541	539NC	36/16
39507	New River - Cape Fear River Light 89	DAYMK MISSING	11541	208NC	19/16
39525	New River - Cape Fear River Light 93	DAYMK MISSING	11541	446NC	35/16
39575	New River - Cape Fear River Daybeacon 108	DAYMK MISSING	11541	445NC	35/16
39585	New River - Cape Fear River Daybeacon 114	DAYMK MISSING	11541	533NC	38/16
39680	New River - Cape Fear River Daybeacon 143	STRUCT DMGD/TRUB	11534	401NC	31/16
39758	New River - Cape Fear River Buoy 162A	OFF STA	11534	331NC	27/16
39875	New River - Cape Fear River Daybeacon 176	STRUCT DEST/TRUB	11534	416NC	32/16
40440	Cape Fear River - Little River Daybeacon 113	STRUCT DEST/TRUB	11534	375NC	29/16

DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNK St	LNK End
35	Little Egg Inlet Outer Lighted Whistle Buoy LE	WATCHING PROPERLY	12316	245DB	27/16	38/16
120	Five Fathom Bank Lighted Buoy F	WATCHING PROPERLY	12214	243DB	21/16	38/16
995	Barnegat Inlet Buoy 20	RELOCATED	12324	327DB	34/16	38/16
1100	Little Egg Inlet Outer Lighted Whistle Buoy LE	WATCHING PROPERLY	12316	245DB	27/16	38/16
1318	Longport Channel Buoy 8	WATCHING PROPERLY	12316	355DB	36/16	38/16
3655	Delair Range Rear Light	RELIGHTED	12314	NONEDB	38/16	38/16
3935	Devlin Lower Range Front Light	WATCHING PROPERLY	12314	359DB	38/16	38/16
3940	Devlin Lower Range Rear Light	WATCHING PROPERLY	12314	360DB	38/16	38/16
5850	Virginia Inside Passage Light 80	DISCONT/REPLACE	12210	284HR	18/15	38/16
5875	Virginia Inside Passage Daybeacon 84	DISCONT/REPLACE	12210	286HR	18/15	38/16
5930	Virginia Inside Passage Daybeacon 102	WATCHING PROPERLY	12210	265HR	17/15	38/16
7275	Chesapeake Channel Lighted Buoy 42	WATCHING PROPERLY	12226	276HR	34/16	38/16
9600	Elizabeth River Channel Lighted Buoy 18	WATCHING PROPERLY	12245	317HR	38/16	38/16
9755	Western Branch Channel Light 5	RELIGHTED	12253	332HR	38/16	38/16
10590	Willoughby Bay Channel Daybeacon 5	WATCHING PROPERLY	12245	308HR	37/16	38/16
11140	Nansemond River Channel Daybeacon 31	WATCHING PROPERLY	12248	302HR	36/16	38/16
12920	Back River Channel Light 4	WATCHING PROPERLY	12222	304HR	36/16	38/16
12930	Back River Channel Daybeacon 6	WATCHING PROPERLY	12222	305HR	36/16	38/16
14445	Horn Harbor Entrance Light HH	WATCHING PROPERLY	12238	147HR	21/16	38/16
22475	Starling Creek Daybeacon 6	DISCONT/REPLACE	12228	330HR	22/15	38/16
23430	Manokin River Channel Daybeacon 9	WATCHING PROPERLY	12231	280MD	32/16	38/16
23550	Haines Point Warning Light	RELIGHTED	12231	NONEMD	38/16	38/16
26085	Eastern Bay Lighted Buoy 11	RELIGHTED	12270	322MD	38/16	38/16
27990	Oregon Inlet Buoy 4	WATCHING PROPERLY	12204	461NC	36/16	38/16
28193	Oregon Inlet Channel Light 54	RELIGHTED	12204	526NC	37/16	38/16
28780	Hatteras Inlet Junction Daybeacon HF	WATCHING PROPERLY	11555	482NC	36/16	38/16
28817	Rollinson Channel Daybeacon 31	WATCHING PROPERLY	11555	515NC	37/16	38/16
28865	Rollinson Channel Light 42RC	WATCHING PROPERLY	11555	483NC	36/16	38/16
28930	Ocracoke Inlet Lighted Buoy 10	RESET ON STATION	11550	523NC	37/16	38/16
28985	Silver Lake Junction Light SL	RELIGHTED	11550	486NC	36/16	38/16

29255	Barden Inlet Warning Daybeacon A	WATCHING PROPERLY	11545	421NC	33/16	38/16
34505	Atlantic Channel Buoy 4	RESET ON STATION	11545	356NC	28/16	38/16
34545	Core Sound Lighted Buoy 28	RESET ON STATION	11545	284NC	23/16	38/16
35970	New Jersey Intracoastal Waterway Buoy 248	RESET ON STATION	12316	349DB	37/16	38/16
37910	Alligator River Light 31	REBUILT/RECOVERED	11553	NONEHR	38/16	38/16
39217	Bogue Sound - New River Buoy 60	RELOCATED	11541	408NC	31/16	38/16

DISCREPANCIES (PRIVATE AIDS)

<u>LLNR</u>	<u>Aid Name</u>	<u>Status</u>	<u>Chart No.</u>	<u>BNM Ref.</u>	<u>LNM St</u>	<u>LNM End</u>
9	Ocean Power Lighted Data Buoy A	MISSING	12323	585DB	49/13	
793.1	NC Artificial Fishing Reef Buoy AR360	OFF STA	11539	509NC	37/16	
793.6	NC Artificial Fishing Reef Buoy AR366	MISSING	11539	282NC	19/14	
819	NC Artificial Fishing Reef Buoy AR425	MISSING	11520	079NC	04/14	
1155	Marshelder Channel Buoy 3	MISSING	12316	250DB	26/16	
1690	Bidwell Creek Entrance Light 2	LT EXT	12304	NONEAC	37/06	
1960	Fortescue Creek Entrance Buoy 4	OFF STA	12304	NONEDB	17/13	
2035	Lewes Breakwater Front Light	LT EXT	12216	282DB	27/13	
2137	Bakers Channel Lighted Buoy 1B	BUOY DMGD/LT EXT	12216	592DB	44/15	
4346	Upper Delaware River Pipeline Outfall Buoy	MISSING	12314	129DB	18/12	
4875	Thorofare Channel Buoy 3	SINKING	12211	029DB	05/16	
4895	Thorofare Channel Buoy 8	BUOY DMGD	12211	285MD	32/16	
4900	Thorofare Channel Buoy 10	OFF STA	12211	121MD	09/15	
4925	Ocean Pines Yacht Club Light 2	LT EXT	12211	398MD	29/15	
4991.07	Little Assawoman Bay Daybeacon 6	STRUCT DEST	12211	341DB	35/16	
4991.08	Little Assawoman Bay Daybeacon 7	STRUCT DEST	12211	342DB	35/16	
4991.16	Little Assawoman Bay Daybeacon 15	DAYMK MISSING	12211	491HR	38/15	
4991.22	Little Assawoman Bay Daybeacon 21	STRUCT DMGD	12214	490HR	38/15	
5165	Chincoteague Bay State Boundary Line Buoy B	OFF STA/DAYMK IMCH	12211	024HR	04/14	
5175	Chincoteague Bay State Boundary Line Buoy D	DAYMK IMCH	12211	429HR	46/12	
5180	Chincoteague Bay State Boundary Line Buoy E	DAYMK IMCH	12211	430HR	46/12	
5185	Chincoteague Bay State Boundary Line Buoy F	MISSING	12211	431HR	46/12	
5190	Chincoteague Bay State Boundary Line Buoy G	DAYMK IMCH	12211	432HR	46/12	
5265	George Island Channel Daybeacon 8	DAYMK IMCH	12211	346HR	38/12	
5453	Coards Marsh Sanctuary Daybeacon A	STRUCT DEST	12211	433HR	46/12	
5453.1	Coards Marsh Sanctuary Daybeacon B	STRUCT DEST	12211	434HR	46/12	
5453.2	Coards Marsh Sanctuary Daybeacon C	STRUCT DEST	12211	435HR	46/12	
5457	Greenbackville Sanctuary Daybeacon A	STRUCT DEST	12211	476HR	43/11	
5457.1	Greenbackville Sanctuary Daybeacon B	DAYMK MISSING	12211	477HR	43/11	
7669	UMCES Lighted Data Buoy JI	MISSING	12264	439MD	36/14	
7837	UMCES Lighted Data Buoy CBB	OFF STA	12282	176MD	16/16	
7860	Bay Bridge Marina Light 5	LT EXT	12270	350MD	44/12	
9853	Elizabeth River Town Point Reach No Wake Buoy A	OFF STA	12253	328HR	35/14	
10125	Lynnhaven Roads Fishing Pier Lights (2)	MISSING	12254	319HR	31/13	
10186	Lynnhaven River Daybeacon 1LR	STRUCT DEST	12254	080HR	08/15	
10334	Lynnhaven River Eastern Branch Daybeacon 27	DAYMK MISSING	12222	162HR	23/16	
10762.03	Lafayette River Northern Branch Daybeacon 3	DAYMK MISSING	12245	251HR	26/14	
10762.1	Lafayette River Northern Branch Daybeacon 12	DAYMK MISSING	12245	252HR	26/14	
10962	Hampton River Channel Buoy 22	DAYMK DMGD	12245	NONEHR	16/16	

12127	Glasshouse Point Lower Ferry Light	LT EXT	12251	367HR	24/15
12692	James River Lighted Data Buoy A	OFF STA	12252	NONEHR	07/16
12692.1	James River Lighted Data Buoy B	OFF STA	12252	NONEHR	07/16
12870	Salt Ponds Light 6	STRUCT DMGD	12222	310HR	37/16
12873	Salt Ponds Daybeacon 6A	STRUCT DMGD	12222	294HR	36/16
12895	Salt Ponds Daybeacon 12	DAYMK DMGD	12222	NONED5	17/16
12950	Back River South Channel Daybeacon 2	STRUCT DEST	12238	332HR	24/13
12958	Back River South Channel Daybeacon 8	DAYMK MISSING	12238	193HR	12/15
13050	Harris River Approach Daybeacon 3	DAYMK MISSING	12238	036HR	06/12
13050	Harris River Approach Daybeacon 3	DAYMK MISSING	12238	168HR	20/14
13065	Harris River Approach Daybeacon 6	OFF STA	12238	169HR	20/14
13065	Harris River Approach Daybeacon 6	OFF STA/DAYMK DMGD	12238	037HR	06/12
14940	Windmill Point Marina Light 3	LT EXT	12235	348HR	23/12
15005	Broad Creek Northern Branch Daybeacon 1N	DAYMK DMGD	12235	234HR	24/13
15050	Broad Creek Northern Branch Daybeacon 12	DAYMK MISSING	12235	431HR	49/14
16275	Buzzards Point Daybeacon 3	DAYMK DMGD	12235	390HR	26/15
16555	Lake Conoy Warning Daybeacon A	MISSING	12233	251MD	19/10
16612	Coan River Marina Buoy 1	MISSING	12233	121MD	10/15
16613	Coan River Marina Buoy 2	MISSING	12233	121MD	10/15
16614	Coan River Marina Buoy 3	MISSING	12233	121MD	10/15
16853	Potomac River Sandy Point Lighted Data Buoy A	MISSING	12233	282MD	20/14
16962	Cabin Point Creek Daybeacon 1	STRUCT DEST/HAZ NAV	12285	225MD	25/16
16963	Cabin Point Creek Daybeacon 2	STRUCT DEST/HAZ NAV	12285	225MD	25/16
16971	Glebe Creek Daybeacon 1	STRUCT DEST/HAZ NAV	12285	224MD	25/16
16971.5	Glebe Creek Daybeacon 2	STRUCT DEST/HAZ NAV	12285	224MD	25/16
16972.5	Glebe Creek Daybeacon 4	STRUCT DEST/HAZ NAV	12285	224MD	25/16
17712	Potomac River Morgantown Lighted Mooring Buoy A	BUOY DMGD/LT EXT	12287	199MD	21/16
17845	Nanjemoy Creek Buoy 5	OFF STA	12288	497BA	45/15
18014	Aquia Creek Daybeacon 31	DAYMK IMCH	12288	422MD	34/14
18014.1	Aquia Creek Daybeacon 32	DAYMK DMGD	12288	NONEMD	34/14
18014.2	Aquia Creek Daybeacon 33	DAYMK IMCH	12288	423MD	34/14
18014.3	Aquia Creek Daybeacon 34	DAYMK DMGD	12288	424MD	34/14
18075	Possum Point Pier Light	LT EXT	12288	448MD	37/15
18170	Leesylvania Park Light 2	LT EXT	12288	449MD	37/15
18601.01	National Harbor Channel Light 3	DAYMK MISSING	12289	144MD	12/16
18793.1	Tanner Creek Warning Daybeacon A	DAYMK MISSING	12233	179MD	23/13
18793.2	Tanner Creek Daybeacon 1	DAYMK MISSING	12233	178MD	23/13
18980	Mill Creek (Patuxent River) Buoy 11	OFF STA	12284	040MD	05/16
19152	Academy Of Natural Science Intake Light B	STRUCT DEST/HAZ NAV	12264	121MD	08/15
19512	West River Buoy 7	OFF STA	12270	271MD	32/16
19612	South River Warning Buoy A	MISSING	12270	039MD	06/13
19613	South River Warning Buoy B	MISSING	12270	040MD	06/13
20063	Severn River - Mill Creek Buoy 11	SINKING	12283	238BA	16/15
20210	Forked Creek Daybeacon 2	DAYMK MISSING	12282	240MD	18/14
21175	Fairfield Channel Buoy 2	MISSING	12281	036MD	08/12
21180	Fairfield Channel Buoy 4	MISSING	12281	037MD	08/12
21180	Fairfield Channel Buoy 4	OFF STA	12281	286MD	37/12
21185	Fairfield Channel Buoy 6	MISSING	12281	233MD	17/07
21362	North Locust Point Marine Terminal Pier 7 Warning Buoy A	MISSING	12281	569MD	01/15
22095	Onancock Creek -South Branch Buoy 1	OFF STA	12228	292MD	30/08
22430	Pocomoke Sound State Boundary Line Daybeacon H	STRUCT DEST/TRUB	12228	165MD	13/15

22440	Pocomoke Sound State Boundary Line Daybeacon K	STRUCT DEST/TRUB	12228	NONEMD	31/15
22985	Ward Creek Warning Daybeacon A	MISSING	12231	503MD	31/05
23315	Jones Creek Daybeacon 4	DAYMK MISSING	12231	402MD	44/08
23340	Jones Creek Daybeacon 12	DAYMK DMGD	12231	620MD	45/11
23670	Dorchester/Somerset County Line Marker DD	STRUCT DEST/TRUB	12231	166MD	13/15
23715	Dames Quarter Creek Channel Daybeacon 4	OFF STA/TRUB	12261	242MD	24/07
23720	Dames Quarter Creek Channel Daybeacon 5	STRUCT DEST/TRUB	12261	260MD	30/16
25010	Cambridge Municipal Yacht Basin Light 1	MISSING	12266	316MD	40/12
25015	Cambridge Municipal Yacht Basin Light 2	MISSING	12266	317MD	40/12
25020	Cambridge Channel Range Front Light	LT EXT	12268	420MD	46/08
25025	Cambridge Channel Range Rear Light	LT EXT/DAYMK DMGD	12268	418MD	46/08
25330	Pier Street Marina Daybeacon 1	STRUCT DEST/HAZ NAV	12266	157MD	20/13
25335	Pier Street Marina Daybeacon 2	STRUCT DEST/HAZ NAV	12266	168MD	21/13
25760	Upper Edge Creek Daybeacon 5	STRUCT DEST/HAZ NAV	12266	011MD	02/15
26030	Claiborne Channel Warning Daybeacon	STRUCT DEST	12270	NONEMD	08/16
26036	Claiborne Channel Buoy 5	MISSING	12266	NONEMD	08/16
26038	Claiborne Channel Buoy 6	MISSING	12270	093MD	08/16
26039	Claiborne Channel Warning Buoy A	MISSING	12270	094MD	08/16
26040	Claiborne Channel Warning Buoy B	MISSING	12270	NONEMD	08/16
26210	Oak Creek Buoy 3	MISSING	12270	092MD	08/16
26225	Oak Creek Warning Buoy	STRUCT DEST	12270	265MD	35/12
26275	Cox Creek Daybeacon 5	MISSING	12270	184MD	24/13
26343	Greenwood Creek Buoy 1G	OFF STA	12270	NONEMD	12/15
26343.1	Greenwood Creek Buoy 2	OFF STA	12270	281MD	12/15
26343.2	Greenwood Creek Buoy 3	OFF STA	12270	NONEMD	12/15
26343.3	Greenwood Creek Buoy 4	OFF STA	12270	NONEMD	12/15
26343.4	Greenwood Creek Buoy 5	OFF STA	12270	NONEMD	12/15
26343.5	Greenwood Creek Buoy 6	OFF STA	12270	NONEMD	12/15
26343.6	Greenwood Creek Buoy 8	OFF STA	12270	NONEMD	12/15
26343.7	Greenwood Creek Buoy 10	OFF STA	12270	NONEMD	12/15
26343.8	Greenwood Creek Buoy 12	OFF STA	12270	NONEMD	12/15
26343.9	Greenwood Creek Buoy 13	OFF STA	12270	NONEMD	12/15
26990	Shallow Creek Daybeacon 9	DAYMK MISSING	12278	NONEMD	20/11
27230	Upper Gunpowder River Buoy 2	MISSING	12274	280MD	19/15
27240	Upper Gunpowder River Buoy 4	MISSING	12274	279MD	19/15
27245	Upper Gunpowder River Daybeacon 5	STRUCT DEST	12274	278MD	19/14
27250	Upper Gunpowder River Buoy 6	MISSING	12274	277MD	19/15
27255	Upper Gunpowder River Buoy 7	MISSING	12274	276MD	19/15
27265	Upper Gunpowder River Buoy 9	OFF STA	12274	275MD	19/15
27270	Upper Gunpowder River Buoy 10	OFF STA	12274	274MD	19/15
27280	Upper Gunpowder River Daybeacon 12	OFF STA	12274	273MD	19/15
27415	Fairlee Creek Buoy 8	OFF STA/BUOY DMGD	12278	361MD	28/14
27920	Upper Elk River Buoy 8	OFF STA	12274	127MD	16/13
27925	Upper Elk River Buoy 9	OFF STA	12274	128MD	16/13
30905	Wilmington Marine Center Daybeacon 6	DAYMK DMGD	11537	NONENC	05/16
30910	Wilmington Marine Center Daybeacon 7	DAYMK DMGD	11537	NONENC	05/16
31060	Shallotte Inlet Buoy 2	MISSING	11534	005NC	01/14
31087	Shallotte Inlet Buoy 9	MISSING	11534	317NC	23/13
32725.16	Swanquarter PPA Warning Daybeacon R	STRUCT DEST	11548	424NC	33/16
32725.23	Swanquarter PPA Warning Daybeacon X	STRUCT DEST	11548	089NC	09/16
32725.24	Swanquarter PPA Warning Daybeacon Y	STRUCT DEST	11548	NONENC	09/16
33427.5	Swan Point Warning Daybeacon B	DAYMK MISSING	11552	177NC	12/15
33428	Swan Point Warning Light C	DAYMK MISSING	11552	178NC	12/15

33428.5	Swan Point Warning Daybeacon D	DAYMK MISSING	11552	179NC	12/15
33597	Neuse River UNC Lighted Data Buoy A	MISSING	11544	447NC	35/16
35230	Manahawkin Bay Lower Warning Light	LT EXT	12324	371DB	32/13
35780	Absecon Waterway Upper Pier Light	LT IMCH	12316	521DB	38/14
35785	Absecon Waterway Lower Pier Light	LT IMCH	12316	522DB	38/14
36777.3	Cape May Village Daybaecon 4	STRUCT DEST	12316	556DB	41/15
	Asquith Creek Daybeacon 6	DAYMK IMCH	12282	520MD	45/14
	Back Creek-Severn River Buoy 8	MISSING	12283	310BA	36/16
	Back River Buoy 6	BUOY DMGD		263MD	33/13
	Beach Cove South Channel Daybeacon 8	MISSING	12216	NONEAC	10/06
	Cherrystone Artificial Reef Buoys	MISSING	12221	NONED5	24/05
	Cox Creek Channel Buoy 6 (Patapsco)	ADRIFT	12278	296MD	36/13
	Cox Creek Channel Buoy 7 (Patapsco)	ADRIFT	12278	297MD	36/13
	East Cod Creek Daybeacon 4	DAYMK MISSING	12233	120MD	21/12
	East Cod Creek Daybeacon 6	DAYMK DMGD	12285	318MD	26/09
	Fox Hill Channel Daybeacon 4	DAYMK DMGD	12238	173HR	23/12
	Fox Hill Channel Daybeacon 6	STRUCT DEST	12238	174HR	23/12
	Grassy Sound North Pier Light	MISSING	12316	0068AC	41/12
	Grassy Sound South Pier Light	MISSING	12316	0069AC	41/12
	Harris River Approach Daybeacon 10	DAYMK DMGD	12238	NONEHR	05/12
	Hunting Creek Miles River Buoy 2	BUOY DMGD	12270	228MD	25/16
	Indian River Bay Shellfish Excl. Buoy	MISSING	12216	NONEAC	08/12
	Irish Creek Buoy 3	MISSING	12266	208MD	23/16
	John's Creek Buoy 3	LT IMCH	12270	318HR	37/16
	Little Cove Point Warning Light C	STRUCT DEST	12264	286MD	36/13
	Old House Cove Warning Daybeacon A	MISSING	12231	0498MD	31/05
	Old House Cove Warning Daybeacon B	MISSING	12231	0499MD	31/05
	Old House Cove Warning Daybeacon C	MISSING	12231	0500MD	31/05
	Parramore Artificial Reef Buoy	MISSING	12210	0071ES	21/05
	Playtors Creek Dbn 3	STRUCT DEST	12266	186MD	18/16
	Shark Riv Is Ch By 1	MISSING		215DB	22/16
	Shark River Light 5	LT EXT		395DB	28/15
	Spriggs Pond Buoy 1	OFF STA		268MD	31/16
	St. Michaels Harbor Buoy 11	MISSING	12270	295MD	34/16
	St. Michaels Harbor Buoy 6	SINKING	12270	177MD	16/16
	Upper Seneca Creek Channel Buoy 2	OFF STA	12278	289MD	34/16
	Upper Tangier Sound County Range Marker F	STRUCT DEST	12231	155MD	14/16
	VIMS Clay Bank Lighted Data Buoy A	MISSING	12243	NONEHR	14/14
	VIMS Clay Bank Lighted Data Buoy B	MISSING	12243	NONEHR	14/14
	VIMS Clay Bank Lighted Data Buoy C	MISSING	12241	NONEHR	14/14
	Vims Water Qual Monitor Device (3)	MISSING		NONEHR	14/14
	Wachapreague Artificial Reef Buoys	MISSING	12210	0072ES	21/05
	Warehouse Creek Buoy 1 (South River)	MISSING	12270	244MD	28/16

DISCREPANCIES (PRIVATE AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
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None

PLATFORM DISCREPANCIES

Name	Status	Position	BNM Ref.	LNM St	LNM End
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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
975	Barnegat Inlet Buoy 16	RELOCATED DUE TO SHOALING	12324	459D5	38/16	
1015	Barnegat Inlet Buoy 25	RELOCATED DUE TO SHOALING	12324	459D5	38/16	
1025	Barnegat Inlet Buoy 27	RELOCATED DUE TO SHOALING	12324	459D5	38/16	
1091	Oyster Creek Channel Buoy 38A	RELOCATED FOR DREDGING	12324	452D5	38/16	
1093	Oyster Creek Channel Buoy 39	RELOCATED FOR DREDGING	12324	452D5	38/16	
1094	Oyster Creek Channel Buoy 39A	DISCONTINUED	12324	446D5	37/16	
2050	Harbor Of Refuge North End Light 1	TRLB	12216	372D5	33/16	
2490	Baker Range Light 2B	Other	12311	461D5	38/16	
5850	Virginia Inside Passage Light 80	TRDBN	12210	457D5	38/16	
5950	Virginia Inside Passage Daybeacon 107	TRDBN	12210	457D5	38/16	
6348	Virginia Inside Passage Daybeacon 213	TRUB	12224	NONED5	02/14	
7450	USN Aerial Gunnery Area Warning Daybeacon A	TRLB	12228	500BA	16/16	
8150	Brewerton Channel Range Front Light	RELOCATED	12281	181D5	14/15	
11897	James River Channel Lighted Buoy 27A	DISCONTINUED FOR DREDGING	12248	541D5	44/15	
11904	James River Channel Lighted Buoy 29A	DISCONTINUED FOR DREDGING	12248	541D5	44/15	
21215	Ferry Bar Channel Lighted Buoy 3	RELOCATED FOR DREDGING	12281	405D5	34/16	
21510	Mud Creek Channel Daybeacon 1	DISCONTINUED FOR DREDGING	12224	271HR	17/15	
21515	Mud Creek Channel Daybeacon 2	TRUB	12224	221D5	18/15	
22475	Starling Creek Daybeacon 6	TRUB	12228	NONED5	38/16	
23510	Lower Thorofare Channel Light 6	TRDBN	12231	096D5	11/16	
28030	Oregon Inlet Buoy 14A	DISCONTINUED FOR DREDGING	12204	534D5	43/15	
28035	Oregon Inlet Buoy 15	DISCONTINUED FOR DREDGING	12204	012D5	03/16	
28234	Old House Channel Lighted Buoy 2H	DISCONTINUED	12206	410D5	34/15	
28669	Hatteras Inlet Buoy 9	DISCONTINUED	11555	269D5	21/15	
28670	Hatteras Inlet Buoy 9A	DISCONTINUED	11555	269D5	21/15	
28699.1	South Ferry Terminal Lighted Buoy 1SF	DISCONTINUED	11555	460D5	38/16	
28703	South Ferry Terminal Lighted Buoy 4SF	DISCONTINUED	11555	460D5	38/16	
28705	South Ferry Terminal Lighted Buoy 5SF	DISCONTINUED	11555	460D5	38/16	

28707	South Ferry Terminal Lighted Buoy 6SF	DISCONTINUED	11555	460D5	38/16
28717	South Ferry Terminal Lighted Buoy 8SF	DISCONTINUED	11555	437D5	15/16
28719	South Ferry Terminal Lighted Buoy 10SF	DISCONTINUED	11555	437D5	15/16
28724	Hatteras Inlet Lighted Buoy 9B	DISCONTINUED	11555	269D5	21/15
28726	Hatteras Inlet Lighted Buoy 10	DISCONTINUED	11555	269D5	21/15
28726.1	Hatteras Inlet Buoy 10A	DISCONTINUED	11555	269D5	21/15
28726.2	Hatteras Inlet Lighted Buoy 10B	DISCONTINUED	11555	269D5	21/15
28729	Hatteras Inlet Lighted Buoy 11	DISCONTINUED	11555	269D5	21/15
28730.1	Hatteras Inlet Channel Lighted Buoy 11A	DISCONTINUED	11555	297D5	27/14
28730.15	Hatteras Inlet Channel Buoy 11AA	DISCONTINUED	11555	269D5	21/15
28730.2	Hatteras Inlet Channel Lighted Buoy 11B	DISCONTINUED	11555	269D5	21/15
28733	Hatteras Inlet Channel Lighted Buoy 12AA	DISCONTINUED	11555	269D5	21/15
28733.1	Hatteras Inlet Channel Buoy 12B	DISCONTINUED	11555	269D5	21/15
28733.2	Hatteras Inlet Channel Buoy 12C	DISCONTINUED	11555	269D5	21/15
28735.2	Hatteras Inlet Channel Lighted Buoy 13	DISCONTINUED	11555	NONED5	23/15
28955	Teaches Hole Channel Lighted Buoy 20	DISCONTINUED	11550	173D5	14/15
29070.1	Big Foot Slough Channel Buoy 10B	DISCONTINUED FOR DREDGING	11550	456D5	38/16
29655	New River Inlet Buoy 1	DISCONTINUED	11541	067D5	06/15
29660	New River Inlet Buoy 2	DISCONTINUED	11541	067D5	06/15
29665	New River Inlet Buoy 3	DISCONTINUED	11541	491D5	43/14
29670	New River Inlet Buoy 4	DISCONTINUED	11541	491D5	43/14
29680	New River Inlet Buoy 6	DISCONTINUED	11541	491D5	43/14
29700	New River Inlet Buoy 8	DISCONTINUED	11541	491D5	43/14
29720	New River Inlet Buoy 10	DISCONTINUED	11541	NONED5	43/14
29721	New River Inlet Buoy 10A	DISCONTINUED	11541	491D5	43/14
29723	New River Inlet Buoy 10B	DISCONTINUED	11541	491D5	43/14
29725	New River Inlet Buoy 11	DISCONTINUED	11541	491D5	43/14
29726	New River Inlet Buoy 11A	DISCONTINUED	11541	491D5	43/14
30355	Cape Fear River Entrance Channel Lighted Buoy 9	RELOCATED FOR DREDGING	11534	022D5	03/15
30360	Cape Fear River Entrance Channel Lighted Buoy 10	RELOCATED FOR DREDGING	11534	022D5	03/15
30370	Cape Fear River Entrance Channel Lighted Buoy 11	RELOCATED FOR DREDGING	11534	022D5	03/15
30373	Cape Fear River Entrance Channel Lighted Buoy 13	RELOCATED FOR DREDGING	11534	022D5	03/15
39217	Bogue Sound - New River Buoy 60	RELOCATED DUE TO SHOALING	11541	458D5	38/16
39225	Bogue Sound - New River Daybeacon 63	TRUB	11541	386NC	30/16
	Harbor Of Refuge North End Lighted Buoy 1	ESTABLISHED	12216	372D5	34/16

TEMPORARY CHANGES CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
1093	Oyster Creek Channel Buoy 39	Reestablished	12324	452D5	37/16	38/16

29372	Beaufort Inlet Channel Lighted Buoy 13	LWP	11547	448D5	34/16	38/16
29380	Beaufort Inlet Channel Lighted Buoy 15	LWP	11547	448D5	37/16	38/16
29440	Morehead City Channel Lighted Buoy 21	LWP	11547	449D5	37/16	38/16

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

(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.

11520	45th Ed.	01-SEP-13	Last LNM: 25/16	NAD 83		38/16
<i>Chart Title: Cape Hatteras to Charleston</i>						
Main Panel 377 CAPE HATTERAS TO CHARLESTON. Page/Side: N/A						
RELOCATE	Hatteras Inlet Entrance Lighted Whistle Buoy HI				CGD05 from 35-09-29.602N to 35-09-28.680N	075-45-56.934W 075-46-40.418W
11541	41st Ed.	01-NOV-15	Last LNM: 35/16	NAD 83		38/16
<i>Chart Title: Intracoastal Waterway Neuse River to Myrtle Grove Sound</i>						
CHART NC-AIWW - NEUSE RIVER TO MYRTLE GROVE SOUND. Page/Side: N/A						
RELOCATE	Beaufort Inlet Channel Lighted Buoy 13 (Supercedes LNM 34/16)				CGD05 from 34-40-36.335N to 34-40-28.549N	076-40-10.995W 076-40-12.122W
RELOCATE	Beaufort Inlet Channel Lighted Buoy 15				CGD05 from 34-40-48.617N to 34-40-49.042N	076-40-09.546W 076-40-11.038W
RELOCATE	Morehead City Channel Lighted Buoy 21				CGD05 from 34-41-55.347N to 34-41-57.835N	076-40-28.786W 076-40-29.945W
RELOCATE	New River - Cape Fear River Light 122 and CHANGE to FIR 4s, 18FT, 4M at				CGD05 from 34-15-12.257N to 34-15-12.288N	077-46-46.667W 077-46-46.486W
11543	25th Ed.	01-APR-15	Last LNM: 35/16	NAD 83		38/16
<i>Chart Title: Cape Lookout to New River</i>						

Main Panel 507 CAPE LOOKOUT TO NEW RIVER. Page/Side: A

RELOCATE	Beaufort Inlet Channel Lighted Buoy 13 (Supercedes LNM 34/16)	CGD05 from 34-40-36.335N to 34-40-28.549N	076-40-10.995W 076-40-12.122W
RELOCATE	Beaufort Inlet Channel Lighted Buoy 15	CGD05 from 34-40-48.617N to 34-40-49.042N	076-40-09.546W 076-40-11.038W

11544 41st Ed. 01-DEC-13 Last LNM: 35/16 NAD 83 38/16

ChartTitle: Portsmouth Island to Beaufort, Including Cape Lookout Shoals

Main Panel 508 PORTSMOUTH ISL TO BEAUFORT INCL CAPE LOOKOUT SHOALS. Page/Side: N/A

RELOCATE	Beaufort Inlet Channel Lighted Buoy 13 (Supercedes LNM 34/16)	CGD05 from 34-40-36.335N to 34-40-28.549N	076-40-10.995W 076-40-12.122W
RELOCATE	Beaufort Inlet Channel Lighted Buoy 15	CGD05 from 34-40-48.617N to 34-40-49.042N	076-40-09.546W 076-40-11.038W

11545 66th Ed. 01-JUN-15 Last LNM: 35/16 NAD 83 38/16

ChartTitle: Beaufort Inlet and Part of Core Sound; Lookout Bight

CHART NC- BEAUFORT INLET AND PART OF CORE SOUND. Page/Side: N/A

RELOCATE	Beaufort Inlet Channel Lighted Buoy 13 (Supercedes LNM 34/16)	CGD05 from 34-40-36.335N to 34-40-28.549N	076-40-10.995W 076-40-12.122W
RELOCATE	Beaufort Inlet Channel Lighted Buoy 15	CGD05 from 34-40-48.617N to 34-40-49.042N	076-40-09.546W 076-40-11.038W
RELOCATE	Morehead City Channel Lighted Buoy 21	CGD05 from 34-41-55.347N to 34-41-57.835N	076-40-28.786W 076-40-29.945W

11547 40th Ed. 01-JUL-15 Last LNM: 35/16 NAD 83 38/16

ChartTitle: Morehead City Harbor

Main Panel 511 MOREHEAD CITY HARBOR. Page/Side: A

RELOCATE	Beaufort Inlet Channel Lighted Buoy 13 (Supercedes LNM 34/16)	CGD05 from 34-40-36.335N to 34-40-28.549N	076-40-10.995W 076-40-12.122W
RELOCATE	Beaufort Inlet Channel Lighted Buoy 15	CGD05 from 34-40-48.617N to 34-40-49.042N	076-40-09.546W 076-40-11.038W
RELOCATE	Morehead City Channel Lighted Buoy 21	CGD05 from 34-41-55.347N to 34-41-57.835N	076-40-28.786W 076-40-29.945W

11555 42nd Ed. 01-APR-15 Last LNM: 36/16 NAD 83 38/16

ChartTitle: Cape Hatteras-Wimble Shoals to Ocracoke Inlet

Main Panel 525 CAPE HATTERAS WIMBLE SHOALS TO OCRACOKE INLET. Page/Side: A

RELOCATE	Hatteras Inlet Entrance Lighted Whistle Buoy HI	CGD05 from 35-09-29.602N to 35-09-28.680N	075-45-56.934W 075-46-40.418W
RELOCATE	Hatteras Inlet Lighted Buoy 2	CGD05 from 35-10-11.947N to 35-10-02.559N	075-46-11.406W 075-46-29.573W

12200 51st Ed. 01-MAY-14 Last LNM: 03/16 NAD 83 38/16

ChartTitle: Cape May to Cape Hatteras

Main Panel 526 CAPE MAY TO CAPE HATTERAS. Page/Side: A

RELOCATE	Hatteras Inlet Entrance Lighted Whistle Buoy HI	CGD05 from 35-09-29.602N to 35-09-28.680N	075-45-56.934W 075-46-40.418W
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12210 41st Ed. 01-MAR-16 Last LNM: 33/16 NAD 83 38/16

ChartTitle: Chincoteague Inlet to Great Machipongo Inlet; Chincoteague Inlet

CHART VA-CHINCOTEAGUE INLET TO GREAT MACHIPONGO INLET. Page/Side: N/A

(Temp) CHANGE	Virginia Inside Passage Daybeacon 107 to Metompkin Warning	CGD05 37-38-54.528N	075-38-16.272W
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Daybeacon D, W Or at

(Temp) CHANGE Virginia Inside Passage Light 80 to Metompkin Warning Daybeacon A, W Or, at 37-43-05.838N 075-35-47.778W

12228 34th Ed. 01-MAY-16 Last LNM: 37/16 NAD 83 38/16

ChartTitle: Chesapeake Bay Pocomoke and Tangier Sounds

Main Panel 566 CHESAPEAKE BAY POCOMOKE AND TANGIER SOUNDS. Page/Side: A

RELOCATE Big Thorofare Channel Daybeacon 20 CGD05
from 37-58-46.172N 076-00-25.935W
to 37-58-46.001N 076-00-25.668W

12230 66th Ed. 01-APR-13 Last LNM: 37/16 NAD 83 38/16

ChartTitle: Chesapeake Bay Smith Point to Cove Point

CHART VA-MD-CHESAPEAKE BAY: SMITH POINT TO COVE POINT. Page/Side: N/A

CHANGE St. Jerome Creek Light 1SJ CGD05
to FI G 2.5s, 15FT, 3M at 38-06-54.494N 076-20-08.598W

12231 31st Ed. 01-MAY-16 Last LNM: 36/16 NAD 83 38/16

ChartTitle: Chesapeake Bay Tangier Sound Northern Part

Main Panel 569 TANGIER SOUND - NORTHERN PART. Page/Side: A

RELOCATE Big Thorofare Channel Daybeacon 20 CGD05
from 37-58-46.172N 076-00-25.935W
to 37-58-46.001N 076-00-25.668W

12233 38th Ed. 01-JAN-14 Last LNM: 35/16 NAD 83 38/16

ChartTitle: Potomac River Chesapeake Bay to Piney Point

Main Panel 570 POTOMAC RIVER-CHESAPEAKE BAY TO PINEY POINT. Page/Side: N/A

CHANGE St. Jerome Creek Light 1SJ CGD05
to FI G 2.5s, 15FT, 3M at 38-06-54.494N 076-20-08.598W

12280 11th Ed. 01-FEB-14 Last LNM: 36/16 NAD 83 38/16

ChartTitle: Chesapeake Bay

CHART MD - VA - CHESAPEAKE BAY. Page/Side: N/A

CHANGE St. Jerome Creek Light 1SJ CGD05
to FI G 2.5s, 15FT, 3M at 38-06-54.494N 076-20-08.598W

12285 42nd Ed. 01-AUG-15 Last LNM: 37/16 NAD 83 38/16

ChartTitle: Potomac River; District of Columbia

CHART MD-VA-DC- POTOMAC RIVER. Page/Side: N/A

CHANGE St. Jerome Creek Light 1SJ CGD05
to FI G 2.5s, 15FT, 3M at 38-06-54.494N 076-20-08.598W

12323 26th Ed. 01-DEC-12 Last LNM: 25/16 NAD 83 38/16

ChartTitle: Sea Girt to Little Egg Inlet

Main Panel 682 SEA GIRT TO LITTLE EGG INLET. Page/Side: N/A

RELOCATE Barnegat Inlet Buoy 20 CGD05
from 39-45-59.168N 074-07-00.677W
to 39-45-59.298N 074-07-01.988W

12324 35th Ed. 01-MAR-12 Last LNM: 37/16 NAD 83 38/16

ChartTitle: Intracoastal Waterway Sandy Hook to Little Egg Harbor

CHART NY-NJ-SANDY HOOK TO LITTLE EGG HARBOR. Page/Side: N/A

RELOCATE Barnegat Inlet Buoy 20 CGD05
from 39-45-59.168N 074-07-00.677W
to 39-45-59.298N 074-07-01.988W

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)

VA - POTOMAC RIVER - LITTLE WICOMICO RIVER – SLOUGH CREEK - CHANGE AID TYPE

Due to waterway constraints the Coast Guard's local construction tender was been unable to access Slough Creek for maintenance. The Coast Guard had the wreckage from Slough Creek Light 7 (LL 16405) removed by a contractor and will permanently establish Slough Creek Buoy 7 (LL 16405).

Chart 12233

LNM: 36/16

******VA – ENTRANCE TO PIANKATANK RIVER – MILFORD HAVEN EAST – HOLE IN THE WALL REMARKING******

On or about October 11, 2016 the Coast Guard will begin remarking Milford Haven East waterway; locally known as Hole In The Wall. The following changes will occur:

Milford Haven East Light 3 will be changed to Milford Haven East Daybeacon 3

Milford Haven East Light 5 will be changed to Milford Haven East Daybeacon 5

Milford Haven East Light 6 will be changed to Milford Haven East Warning Daybeacon A

Milford Haven East Warning Daybeacon will be changed to Milford Haven East Warning Daybeacon B

Milford Haven East Buoy 7 will be established in position 37 27 47.030N—76 15 13.650W

Milford Haven East Buoy 6A will be changed to Milford Haven East Buoy 8

Milford Haven East Light 8 will be changed to Milford Haven East Warning Daybeacon C

Milford Haven East Buoy 9 will be established in position 37 28 02.500N—76 15 45.600W

Milford Haven East Light 9 will be changed to Milford Haven East Daybeacon 11

Milford Haven East Buoy 13 will be established in position 37 28 04.950N—76 15 58.340W

Milford Haven East Light 11 will be changed to Milford Haven East Warning Daybeacon D

Milford Haven East Daybeacon 12 will be changed to Milford Haven East Daybeacon 14

Milford Haven East Light 14 will be changed to Milford Haven East Daybeacon 16

Milford Haven East Buoy 18 will be established in position 37 27 58.560N—76 16 17.400W

Charts: 12235 12238

LNM: 38/16

VA – SEACOAST – CHESAPEAKE LIGHT

The Coast Guard is discontinuing Chesapeake Light (LL 360) as a Federal Aid to Navigation. In 2012, the Coast Guard transferred ownership of the Chesapeake Light structure to the US Department of Energy, but maintained responsibility to maintain the light. The structure is now in the process of being sold to private interests and will no longer be a federally-owned property. In July 2015, the Coast Guard requested comments on the use of Chesapeake Light for navigation safety. No comments were received indicating its need for safe navigation. Thus, the Coast Guard will be disestablishing the Federal aid to navigation light, RACON and horn on Chesapeake Light on or about September 22, 2016 when the private aid is established. In its place, the Department of Energy and, subsequently, the structure's new owners will establish Chesapeake Light warning lights as private aids to navigation. These will be slow flashing white lights.

Charts: 12207 12208 12221

LNM: 36/116

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)

COAST GUARD POLICY ON NOTIFICATION OF PROPOSED CHANGES

Periodically, the Coast Guard, evaluates the 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 the aid is considered. In this regard, the Coast Guard is evaluating changes in aids to navigation as noted in the below articles. Users can provide feedback by filling out the District 5 Waterway Proposals data/feedback form, located at the NAVCEN D5 LNM website:

http://www.navcen.uscg.gov/pdf/Inms/D05%20LNM%202015%20Special%20Notice_Waterway_Proposal%20Feedback%20Form.pdf

This section also includes Public Notices for proposed changes to the bridges within the Fifth Coast Guard with a request for comments as indicated.

DE/NJ- DELAWARE RIVER MAIN CHANNEL- PEA PATCH ISLAND- PROPOSED DISCONTINUATION OF TWO DESTROYED FIXED AIDS TO NAVIGATION

The Coast Guard is proposing to discontinue Pea Patch Island Dike Light B (LLNR 2915) and Pea Patch Island Spawn Daybeacon PPD (LLNR 2865). The Coast Guard found the structures destroyed on September 7, 2016. Upon evaluation of the marine traffic patterns in the waterway and structural condition of the remaining six aids to navigation marking the dike, and the recent range improvements to the main channel, the Coast Guard concluded that the waterway is adequately marked without needing to rebuild these two aids to navigation. Interested Mariners and other stakeholders are strongly encouraged to comment on the potential impacts this proposal would have on navigational safety. You may provide feedback using the U.S. Coast Guard Fifth District Waterway Data Sheet, available online at: 5th Coast Guard District Special Notice Waterway Feedback Form.

All comments will be carefully considered and are requested prior to October 18, 2016, to be considered in the analysis. Refer to project number 05-16-139.

Send comments to tiffany.a.johnson@uscg.mil or CGD5Waterways@uscg.mil, or
U.S. Coast Guard Fifth District
Waterways Management (dpw)
Attn: LCDR Johnson
431 Crawford Street
Portsmouth, VA 23704

Chart 12311

LNM: 37/16

*******DE – DELAWARE BAY ENTRANCE – CAPE HENLOPEN*******

The Coast Guard is proposing to permanently establish Harbor of Refuge North End Lighted Buoy 1 at 38-49-58.400N, 075-06-21.500W until repairs can be completed to Harbor of Refuge North End Light 1 (LLNR 2050). Harbor of Refuge North End Lighted Buoy 1 would be replaced by a lighted ice buoy of reduced intensity from November 1 to April 1. Interested Mariners and other stakeholders are strongly encouraged to comment on the potential impacts this proposal would have on navigational safety. You may provide feedback using the U.S. Coast Guard Fifth District Waterway Data Sheet, available online at:

5th Coast Guard District Special Notice Waterway Feedback Form.

All comments will be carefully considered and are requested prior to 18 Oct 2016 to be considered in the analysis. Refer to project number 05-15-142(D).

Send comments to tiffany.a.johnson@uscg.mil or CGD5Waterways@uscg.mil, or
U.S. Coast Guard Fifth District
Waterways Management (dpw)
Attn: LCDR T. Johnson
431 Crawford Street
Portsmouth, VA 23704

Charts: 12214 12216 12304

LNM: 38/16

NJ- DELAWARE BAY- EAST SIDE- CHANGE TO FORTESCUE ENTRANCE LIGHTED BUOY 2F SEASONAL RELIEF

The Coast Guard is proposing the following modifications the seasonal relief schedule for Fortescue Entrance Lighted Buoy 2F (LLNR 1955): The lighted buoy will be removed 01 December through 01 April, annually, and the CG will eliminate the seasonal establishment of the nun buoy. The nun buoy has gone missing during each winter since 2012. Interested Mariners and other stakeholders are strongly encouraged to comment on the potential impacts this proposal would have on navigational safety. You may provide feedback using the U.S. Coast Guard Fifth District Waterway Data Sheet, available online at: 5th Coast Guard District Special Notice Waterway Feedback Form.

All comments will be carefully considered and are requested prior to October 18, 2016, to be considered in the analysis. Refer to project number 05-16-126.

Send comments to tiffany.a.johnson@uscg.mil or CGD5Waterways@uscg.mil, or
U.S. Coast Guard Fifth District
Waterways Management (dpw)
Attn: LCDR Johnson
431 Crawford Street
Portsmouth, VA 23704

Chart 12304

LNM: 36/16

NJ - DELAWARE BAY - CAPE MAY CANAL WEST ENTRANCE - CHANGE TO BUOY SEASONAL RELIEFS

The Coast Guard is proposing to change when Cape May Canal West Entrance Approach Lighted Buoy 4 (LLNR 1650) and Cape May Canal West Entrance Approach Lighted Buoy 5 (LLNR 1655) would be replaced by a lighted ice buoy (LIB) of reduced intensity. Rather than being replaced with a LIB of reduced intensity between December 01 and March 15, annually, Cape May Canal West Entrance Approach Lighted Buoy 4 (LLNR 1650) and Cape May Canal West Entrance Approach Lighted Buoy 5 (LLNR 1655) would only be replaced by a LIB if the aids became endangered by ice. Interested Mariners and other stakeholders are strongly encouraged to comment on the potential impacts this proposal would have on navigational safety. You may provide feedback using the U.S. Coast Guard Fifth District Waterway Data Sheet, available online at: 5th Coast Guard District Special Notice Waterway Feedback Form.

All comments will be carefully considered and are requested prior to October 18, 2016, to be considered in the analysis. Refer to project number 05-16-127.

Send comments to tiffany.a.johnson@uscg.mil or CGD5Waterways@uscg.mil, or
U.S. Coast Guard Fifth District
Waterways Management (dpw)
Attn: LCDR Johnson

431 Crawford Street
Portsmouth, VA 23704

Chart 12214

LNM: 36/16

******NJ - CAPE MAY HARBOR RANGE - PROPOSED CHANGE******

The Coast Guard is proposing to change the light rhythm of Cape May Harbor Range Rear Light (LLNR 1460) from ISO W 4s to Oc W 4s. This change will allow the Coast Guard to convert the range system from incandescent lamps to LED. The Coast Guard does not propose changing the characteristics of Cape May Harbor Range Front Light 4 (LLNR 1455); it will remain Q R. Conversion to LED optics improves range optic reliability by reducing power requirements and eliminating the requirement for multiple lanterns. Interested Mariners and other stakeholders are strongly encouraged to comment on the potential impacts this proposal would have on navigational safety. You may provide feedback using the U. S. Coast Guard Fifth District Waterway Data Sheet, available online at 5th Coast Guard District Special Notice Waterway Feedback Form.

All comments will be carefully considered and are requested prior to 31 Oct 2016 to be considered in the analysis. Refer to project number 05-15-113(D).

Send comments to tiffany.a.johnson@uscg.mil or CGD5Waterways@uscg.mil, or

U.S. Coast Guard Fifth District
Waterways Management (dpw)

Attn: LCDR T. Johnson

431 Crawford Street
Portsmouth, VA 23704

Charts: 12214 12304 12316 12317

LNM: 38/16

MD/VA – POTOMAC RIVER – PORT TOBACCO RIVER – PROPOSED CHANGES TO AIDS TO NAVIGATION

The Coast Guard is soliciting comment on the following changes to the aids to navigation marking Port Tobacco River.

Rename:

Port Tobacco River Daybeacon 10 (LL 17795) to Port Tobacco River Daybeacon 8

Port Tobacco River Daybeacon 14 (LL 17805) to Port Tobacco River Daybeacon 10

Port Tobacco River Daybeacon 15 (LL 17810) to Port Tobacco River Daybeacon 11

Discontinue:

Port Tobacco River Daybeacon 12, TRUB (LL 17800) marked with a temporary buoy. Interested Mariners and other stakeholders are strongly

encouraged to comment on the potential impacts this proposal would have on navigational safety. You may provide feedback using the U. S.

Coast Guard Fifth District Waterway Data Sheet, available online at

5th Coast Guard District Special Notice Waterway Feedback Form.

All comments will be carefully considered and are requested prior to September 26, 2016 to be considered in this analysis. Refer to project number 05-16-121(D)

Send comments to CGD5Waterways@uscg.mil or Albert.L.Grimes@uscg.mil, or mailed to

U.S. Coast Guard Fifth District
Waterways Management (dpw)

431 Crawford Street, Room 100

Portsmouth, VA 23704

Attn: Albert Grimes

Charts: 12285 12288

LNM: 34/16

******NC – ALLIGATOR RIVER – DISCONTINUE AIDS TO NAVIGATION******

The Coast Guard proposes to discontinue Alligator River Daybeacon 30 (LLNR 37905).

The aid was established on March 22, 1961 to mark the NW corner of a charted "Discontinued Spoils Area", 700ft west of the federal channel.

The channel in this area is approximately 500 feet wide providing ample room to navigate. The area of the Alligator River is a very stable

waterway with little to no shoal encroachment. Additionally, the aid has a history of vessel allisions, due to vessels using the aid as a turning

point for the next segment of the channel. Water depths are consistent at least 50ft around Alligator River Daybeacon 30; the aid is not

accurately marking safe water. Alligator Light 31 has a quick flashing characteristic, a characteristic generally used to mark a turn, rendering

Alligator River Daybeacon 30 redundant and unnecessary to mark the turn. Interested Mariners and other stakeholders are strongly

encouraged to comment on the potential impacts this proposal would have on navigational safety. You may provide feedback using the U. S.

Coast Guard Fifth District Waterway Data Sheet, available online at:

http://www.navcen.uscg.gov/pdf/Inms/D05%20LNM%202015%20Special%20Notice_Waterway_Proposal_Feedback_Form.pdf

All comments will be carefully considered and are requested prior to 26 October, 2016 to be considered in the analysis. Refer to project number 05-16-131(D).

Send comments to CGD5Waterways@uscg.mil or pablo.a.ortiz2@uscg.mil

U.S. Coast Guard Fifth District
Waterways Management (dpw)

Attn: Pablo Ortiz

431 Crawford Street

Portsmouth, VA 23704

Charts: 11541 11545

LNM: 38/16

******NC – OFFSHORE – CAPE MAY TO CAPE HATTERAS – DIAMOND SHOALS******

The Coast Guard is soliciting comments on authorizing the installation of a self contained Light Emitting Diode optic (lantern); LED, on Diamond

Shoals Lighted Buoy 12. The new lantern will have an operational range of 4.1Nm providing a listed Nominal Range of 5nm. Interested Mariners

and other stakeholders are strongly encouraged to comment on the potential impacts this proposal would have on navigational safety. You may provide feedback using the U. S. Coast Guard Fifth District Waterway Data Sheet, available online at:
5th Coast Guard District Special Notice Waterway Feedback Form.

All comments will be carefully considered and are requested prior to October 10, 2016 to be considered in the analysis. Please reference project 05-16-094(D).

Send comments to Albert.L.Grimes@uscg.mil or CGD5Waterways@uscg.mil, or mailed to:

U.S. Coast Guard Fifth District
Waterways Management (dpw)
431 Crawford Street, Room 100
Portsmouth, VA 23704
Attn: Albert Grimes

Charts: 11009 11520 11555 12200 13003

LNM: 38/16

SECTION VII - GENERAL

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

VA – CHESAPEAKE BAY – CAPE CHARLES TO NORFOLK HARBOR - JOINT EXPEDITIONARY BASE LITTLE CREEK FORT STORY – LIVE FIRING

Live firing is conducted continuously in Danger Zone 334.370, the area west of the south end of the Chesapeake Bay Bridge Tunnel, bounded by the following positions 36-55-24N 76-08-43W, 36-55-50N 76-08-37W, 36-57-16N 76-08-14W, 36-57-16N 76-08-14W, 36-56-58.5N 76-07-11W, 36-57-07N 76-07-44W. Firing is conducted Monday through Friday from 7:00 am to 8:00 pm. For questions or concerns about these operations you may contact Range Operations and Training Area, Mr. Assaf or Ms. Lawrence at 757-422-7103/7101.

Charts: 12222 12254

LNM: 19/16

VA - WILLOUGHBY BAY - THIMBLE SHOAL CHANNEL - HELICOPTER AIRBORNE MINE COUNTERMEASURES OPERATIONS

Helicopter Mine Countermeasures Squadron Fourteen (HM-14) routinely conducts airborne mine countermeasures (AMCM) operations utilizing the MH-53E helicopter at low altitudes over the following inland and coastal waterways:

- Willoughby Bay
- Thimble Shoal Channel from the Naval Station Norfolk piers to the Chesapeake Bay Bridge Tunnel.
- An area of the Chesapeake Bay, adjacent to the Thimble Shoal Channel from Thimble Shoal to the Chesapeake Bay bridge tunnel extending to the north four miles to form a four by seven mile rectangle.

During these operations, the aircraft will be operating at altitudes as low as seventy-five feet and will produce localized winds in excess of 125 miles per hour. Rotor wash produced winds pose a considerable hazard to vessels, especially sailing vessels. The devices the helicopters tow range in size and appearance from a large orange and white sled approximately the size of a pick up truck to slightly submerged steel pipes thirty feet in length, both of which have submerged cable extending well beyond the visible portion of the towed device. The Aircraft Commanders have been directed to exercise every effort to conflict and avoid surface vessels.

All mariners are requested to remain well clear of the helicopters, the towed devices, and the area extending directly behind the aircraft for four hundred yards. Do not approach or cross the area directly behind the towed device as a submerged hazard exists regardless of whether the device is in motion or stationary.

These operations involve large naval helicopters at flight altitudes of 100 feet or less, towing surface and sub-surface devices at speeds up to 25 knots. Helicopters may be identified by a rotating amber position light on centerline of main hull flashing 90 times per minute. An area of hurricane-force winds exists within a 250-foot radius around these helicopters, sufficient to blow people and objects from exposed decks and capsize small craft. The towed devices may be completely invisible and include large cables on or just below the surface streaming up to 1200 feet behind the aircraft. AMCM helicopters will transit to and from the area described above in the following manner: Outboard from the seaplane ramp at the Norfolk Naval Air Station across Willoughby Bay to the main shipping channel, then easterly along the main channel to Buoy 21. From Buoy 21 either East, SE or SSE to the operating area. The return flight will follow the same path as the outbound flight. To minimize the potential for mishap, vessels are requested to remain well clear of these danger zones when AMCM operations are encountered.

Charts: 12200 12205 12221 12222 12245 12254

LNM: 01/16

VA -YORK RIVER - U.S. NAVAL WEAPONS STATION - CHEATHAM ANNEX - SMALL ARMS LIVE FIRE DANGER ZONE

A Danger zone has been established within an area beginning at Mean High Water on the shore at the U.S. Naval Weapons Station, Cheatham Annex facility on the York River, located at 37-17-33.10N, 076-36-19.06W; then northeast to a point on the York River at 37-18-36.650N, 076-34-39.010"W, thence south, southeast to 37-18- 59.37N, 076-34-13.65W; then southwest to a point on the shore located at 37-17-26.750N, 076-36-14.890W. Vessels may transit this area at any time, however, no vessel shall anchor, fish or conduct any waterborne activities within the Danger Zone established in accordance with this regulation any time live firing exercises are being conducted. Any time live firing is being conducted a red flag will be displayed in a conspicuous location along the shore to signify the range is active. At night, red lights will be displayed.

Chart 12241

LNM: 01/16

VA - VIRGINIA CAPES OPERATING AREA (VCOA) - PERMANENT MINE WARFARE TRAINING FIELDS

The U.S. Navy has established four permanent mine warfare training fields within the Virginia Capes Operating Areas. The bounding coordinates for each field are as follow:

- AREA A: 37-09.0N 075-31.0W, 37-09.0N 075-34.7W, 37-12.0N 075-31.0W, 37-12.0N 075-34.7W.
- AREA B: 36-29.0N 075-31.8W, 36-29.0N 075-35.5W, 36-26.0N 075-35.5W, 36-26.0N 075-31.8W.
- AREA C: 36-29.0N 075-20.8W, 36-29.0N 075-24.5W, 36-26.0N 075-24.5W, 36-29.0N 075-20.8W.
- AREA D: 36-46.5N 075-47.8W, 36-46.5N 075-46.5W, 36-47.5N 075-46.5W, 36-47.5N 075-47.8W.

VA - VIRGINIA CAPES OPERATING AREA (VCOA) - PERMANENT MINE WARFARE TRAINING FIELDS

Each area contains inert bottom and moored training mines that pose a potential hazard to dredging operations and trawler nets. All moored mines are placed at a minimum of 40 feet depth (MLLW) to preclude them as hazards to navigation.

Chart 12200

LNLM: 01/16

VA – APPROACHES TO CHESAPEAKE BAY – HYDROPHONES

The U.S. Navy has deployed four hydrophones in DANGER AREA 334.390 (W-50). The Hydrophones are located in the following approximate positions: 36-49.0N 075-52.7W, 36-49.0N 075-52.6W, 36-48.9N 075-52.5W, AND 36-48.8N 075-52.5W. The Hydrophones are moored at a depth of approximately 25 feet below the water surface, and they pose a hazard to trawler nets. The Hydrophones will be deployed for an indefinite amount of time for the purposes of collecting data in support of a U.S. Navy environmental impact survey of marine mammals in the Virginia Beach Coast Areas.

Charts: 12207 12208

LNLM: 07/15

NC - NEW RIVER - FIRING EXERCISES

1. The Commanding General, Marine Corps Installations East-Marine Corps Base Camp Lejeune (MCIE-MCB CamLej), North Carolina, has advised that the area in the Atlantic Ocean between a point approximately 4.5 miles east of Bogue Inlet to a point approximately 10 miles southwest of New River Inlet, North Carolina, within the existing danger zone (depicted as 334.440) as shown on National Ocean Service Chart 11543, will be hazardous to navigation because of field firing exercises during the periods and times stated below. Firing will be up to 15 nautical miles seaward. Vessels are urged to avoid the above area during the periods stated except for the Atlantic Intracoastal Waterway, where mariners traveling through this area can expect a delay of about one to four hours during the below times. Range Control Boats, MCIE-MCB CamLej North Carolina monitor Channel 16 VHF-FM (156.8 MHz) and the working Channel 82 VHF-FM (161.725 MHz). Range Control can be reached by phone at 910-451-3064 or 4449.

2. The restricted areas in the Atlantic Ocean East of the New River Inlet as shown on National Ocean Service Chart 11543, will be closed to navigation because of firing exercises during the following periods:

Atlantic Coast Sector Live Fire Operations

8:00 a.m. to 5:00 pm Daily (USS Ship-Naval Gunfire)

8:00 a.m. to 10:00 pm Daily (Stinger Missiles and ranges)

Atlantic Coast Sector Non-Live fire operations

12:01 a.m. to Midnight Daily (USS Ship-Maneuvering)

3. The restricted areas in the New River, as shown on National Ocean Service Chart 11542, that WILL be closed to navigation because of Stone Bay Rifle Range firing exercises during the following periods:

Stone Creek Sector 12:01 a.m. to Midnight – daily

Stone Bay Sector 12:01 a.m. to Midnight – daily

West of the 77 (deg) 26(min) longitude line.

The restricted areas that MAY be closed to navigation because of firing exercises during the following periods:

Traps Bay Sector 12:01 a.m. to Midnight – daily

Courthouse Bay Sector 12:01 a.m. to Midnight – daily

Stone Bay Sector 12:01 a.m. to Midnight – daily

East of the 77 (deg) 26 (min) longitude line.

Grey Point Sector 12:01 a.m. to Midnight – daily

Farnell Bay Sector Sunrise to Sunset – daily

Morgans Bay Sector Sunrise to Sunset – daily

Jacksonville Sector Sunrise to Sunset – daily

4. The Target Bombing Area N1/BT-3 Impact Area in the Atlantic Ocean East of the New River Inlet as shown on National Ocean Service Chart 11543, may be closed to navigation because of firing exercises during the following periods:

N1/BT-3 Live Fire Operations:

8:00 a.m. to 5:00 pm Daily (USS Ship-Naval Gunfire)

8:00 a.m. to 10:00 pm Daily (Stinger Missile and ranges)

N1/BT-3 Non-Live Fire Operations:

12:01 a.m. to Midnight Daily (USS Ship-Maneuvering)

5. Atlantic Intracoastal Waterway, Inland Waters in the Browns Island Inlet area between Bear Creek and Onslow Beach, may be closed for firing exercises during the following periods:

Live Fire Operations:

8:00 a.m. to 5:00 pm Daily (USS Ship-Naval Gunfire)

8:00 a.m. to 10:00 pm Daily (Ranges)

Non-Live Fire Operations:

12:01 a.m. to Midnight Daily (Boat-Maneuvering)

6. Ship operations consisting of landing craft, amphibious vehicles, and helicopters may be conducted in the Onslow Beach operating area and all sectors of New River from 12:01 a.m. to Midnight – daily. Range Control Boats, MCIE-MCB CamLej North Carolina monitor Channel 16 VHF-FM (156.8 MHz) and the working Channel 82 VHF-FM (161.725 MHz). Range Control can be reached by phone at 910-451-3064 or 4449.

7. Due to unexploded ordnance on Browns Island and in the adjacent waterways and marsh areas, Browns Island is off limits to all unauthorized personnel. Vessels may transit the surrounding waters, however no vessel shall bottom fish or anchor.

Charts: 11541 11542 11543

LNLM: 01/16

VA - COASTAL - STATE MILITARY RESERVATION, CAMP PENDLETON, VIRGINIA BEACH - SMALL ARMS LIVE FIRE SCHEDULE

The Camp Pendleton State Military Reservation Live Fire Small Arms Range described as all of the waters seaward of the mean high water shore line within a sector between radial lines extending 13,500 yards seaward and bearing 070 degrees true and 150 degrees true, respectively, from a point on shore at 36- 48- 58.3N, 075- 57- 59.0W. All vessel operators are reminded to review Navigation Regulations as described in paragraph 334.380 of Chapter 2, of U.S. Coast Pilot 4, Atlantic Coast: Cape Henry to Key West (45th) Edition when operating south of the entrance to the Chesapeake Bay. Firing will take place only during daylight hours and red flags will be displayed at conspicuous locations on the beach at the

VA - COASTAL - STATE MILITARY RESERVATION, CAMP PENDLETON, VIRGINIA BEACH - SMALL ARMS LIVE FIRE SCHEDULE
facility. Vessels shall proceed through the area with caution and shall remain in the area no longer than necessary for transit.

LNM: 13/16

DREDGING AND MARINE CONSTRUCTION CAUTIONS

Mariners are cautioned to stay clear of dredge, booster, floating (pontoon) and submerged pipelines, barges, derricks and operating wires associated with dredging and marine construction operations. Operators of vessels of all types should be aware that dredges 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 Inland 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, pipeline, barges, derricks, wires and related equipment. Dredging projects are usually conducted twenty-four (24) hours a day seven (7) days a week. All fishnets, crabpots and structures in the general area must be removed prior to commencement of any work. A NO WAKE transit is requested of all vessels passing the dredge and if necessary to clarify a SAFE PASSAGE contact the dredge on the appropriate VHF-FM channels.

LNM: 01/16

PA/NJ – DELAWARE RIVER PHILADELPHIA TO TRENTON – DELAWARE RIVER TURNPIKE BRIDGE

Atlantic Subsea Inc will be conducting repairs to the bridge fender systems and pier structure on the Rte I-276, Delaware River Turnpike Bridge in Burlington Twp, NJ & Bristol Twp, PA. Work will be conducted between 9 August and approximately mid October 2016. Normal hours of operation 7:00 am to 3:30 pm. The 200 ft crane barge Tioga with a 25' safely boat will be on scene. Site contact: Dean Brady, cell 856-207-3005 or VHF channel 13 Office contact: Ajay A Talwar, 856-241-3544 ext 14, Answering service (24/7), 856-427-5312

LNM: 32/16

PA/NJ – DELAWARE RIVER – PHILADELPHIA TO TRENTON – TACONY - PALMYRA BRIDGE

The SR 73 (Tacony-Palmyra) Bridge over Delaware River, mile 107.2, in Tacony, PA and Palmyra, NJ will remain in the closed-to-navigation position to facilitate bridge maintenance and repairs. The bridge will remain in the closed position from 6 a.m. to 6 p.m.; Monday-Friday; September 12 through September 16, 2016 and September 19 through September 23, 2016. The bridge will also remain in the closed-to-navigation position from 7 a.m. to 6 p.m. on alternative work dates from September 26, 2016 through September 30, 2016. The bridge will not be able to open for emergencies and there is no immediate alternative route for vessels to pass. Mariners able to pass under the closed span (50 feet above mean high water) may do so, and all others should adjust their transits accordingly. Mariners should use caution when transiting the area.

LNM: 36/16

DE – DELAWARE RIVER – APPOQUINIMINK RIVER – BRIDGE MAINTENANCE

An engineering firm, on behalf of Delaware Department of Transportation, will be performing maintenance and repair at SR 299 Bridge over Appoquinimink River, mile 6.8, in Odessa, DE. The maintenance will be conducted September 12 through November 11, 2016; M-F, 6 a.m. to 3 p.m.; alternative work days will be Saturday and Sunday. The waterway beneath the east side of the bridge will be closed from September 12 through October 12, 2016 and the waterway beneath the west side of the bridge will be closed to vessel traffic from October 13 through November 11, 2016. During this bridge maintenance project, mariners should navigate the waterway with extreme caution and with due regard for prevailing conditions on the waterway. A barge, work vessel and a dive team will be in and around the vicinity of the bridge. Maintenance personnel, equipment and vessels will not be able to relocate from the portion of the waterway during the maintenance project. Work vessels may be reached on VHF-FM channel 13 and 16. The project foreman can be reached at (443) 761-3161. Mariners should use extreme caution when transiting the area.

LNM: 36/16

******DE – DELAWARE BAY - ST JONES RIVER - BRIDGE DEMOLITION******

Demolition of the Pedestrian bridge across the St. Jones River, at mile 8.0, in Lebanon, DE will commence on Monday, October 03 and continue until Friday, December 02, 2016; work will be conducted M-F; from 7 a.m. to 4:00 p.m. A one hour advanced notice is required for mariners that need to transit the area. To facilitate the demolition, temporary coffer dams will be installed around the bridge piers. Vessel Operators may contact the contractor by calling (856) 264-9650 to request a passage. Mariners are urged to use caution when transiting the area.

LNM: 38/16

NJ – SEACOAST – LITTLE EGG INLET TO HEREFORD INLET – TEMPORARY RESEARCH BUOY

On or about July 8, Ocean Power Technologies will establish a temporary research buoy approximately 5 nautical miles southeast of Brigantine Inlet and 7.5 nautical miles north northeast of Absecon Inlet to be discontinued on or about October 11. The yellow can buoy is 6 feet above the water, with a slow flashing yellow light.

Brigantine Inlet Research Buoy A FLY 4S 39-23-30 N, 074-15-00 W

LNM: 27/16

NJ – SEACOAST – LITTLE EGG INLET TO HEREFORD INLET – OFF SHORE LITTLE EGG INLET - CINAR STORM BUOY

On or about 2 Aug through 1 Dec 2016 the University of Maryland, Center for Environmental Science will be deploying a CINAR Tempests Storm monitoring buoy in approximate position 39° 28' 7.2" N, 74° 13' 52.2" W. The buoy is yellow in color and shows a W FL 4S light at night with approximately 7 ft of the buoy showing above the water line. For information or concerns contact Bill Boicourt or Mark Neary at 410-221- 8426 or 207-266-0474, boicourt@umces.edu, mark.g.neary@maine.edu.

LNM: 31/16

******NJ – SANDY HOOK TO LITTLE EGG HARBOR - SHARK RIVER – DREDGING******

Mobile Dredging and Pumping will be conducting dredging of the main navigational channel in the Shark River, near Neptune City, NJ, from

******NJ – SANDY HOOK TO LITTLE EGG HARBOR - SHARK RIVER – DREDGING******

September 6 through October 7, 2016, from 7 a.m. to 7 p.m. on Mondays through Fridays. From Fridays 7 p.m. through Mondays at 7 a.m. the channel will be open but with on-going active dredging operations. During this period mariners are urged to transit at their slowest safe speed, with no wake, and no meeting or passing of other vessels. The Coast Guard is establishing a Safety Zone that will close the main navigational channel at these times on all the navigable waters on the Shark River from latitude 40° 10' 53.2579"n, longitude 074° 01' 52.6231"w, bounded by the eastern side of the channel and the western side of the channel, north, to latitude 40° 11' 21.0139"n, longitude 074° 01' 53.1749w. Transiting or anchoring within this portion of Shark River during these times is prohibited. Vessels are requested to contact the dredge via VHF-FM channel 6, 13 or 16 to make satisfactory passing arrangement and maintain a safe speed when transiting the main navigational channel during times of channel openings. Mariners should adjust their transits accordingly during times of channel closure and proceed with caution in the area.

Chart 12324

LNM: 37/16

NJ – BARNEGAT BAY - OYSTER CREEK CHANNEL – DREDGING

Barnegat Bay Dredging Company will be conducting dredging operations in Oyster Creek Channel, in Ocean Township, NJ from September 8 to October 1, 2016. The Dredge Fullerton will be conducting dredging between Oyster Creek Channel Buoy 37 (LLNR 1080) and Oyster Creek Channel Buoy 41 (LLNR 1097). The dredge and work vessels will monitor VHF-FM channel 13 and 16. Mariners are advised to proceed with caution when transiting the area.

Chart 12323

LNM: 36/16

NJ – NEW JERSEY INTRACOASTAL WATERWAY – SANDY HOOK TO LITTLE EGG HARBOR – SR 35 – SHARK RIVER BRIDGE INSPECTION

An engineering firm, on behalf of New Jersey Department of Transportation, will be performing an inspection at the SR 35 Bridge over Shark River, mile 0.9, Belmar and Neptune, NJ. The inspection will be conducted between August 8, 2016 and November 30, 2016; M-F; from 8 a.m. to 6 p.m. A snooper truck will be operating under and in the vicinity of the bridge to provide access for inspection. Inspection personnel, equipment and vessels will relocate from the navigable channel, upon request. The vessel may be reached on VHF-FM channel 13. The project foreman can be reached at (201) 214-7242. Mariners are requested to notify the project foreman at least thirty minutes prior to navigation through the area and should use caution when transiting the area.

Chart 12324

LNM: 36/16

******NJ – SANDY HOOK TO LITTLE EGG HARBOR - SHARK RIVER – DREDGING******

Mobile Dredging and Pumping will be conducting dredging of the main navigational channel in the Shark River, near Neptune City, NJ, from September 6 through October 7, 2016, from 7 a.m. to 7 p.m. on Mondays through Fridays. From Fridays 7 p.m. through Mondays at 7 a.m. the channel will be open but with on-going active dredging operations. During this period mariners are urged to transit at their slowest safe speed, with no wake, and no meeting or passing of other vessels. The Coast Guard is establishing a Safety Zone that will close the main navigational channel at these times on all the navigable waters on the Shark River from latitude 40° 10' 53.2579"n, longitude 074° 01' 52.6231"w, bounded by the eastern side of the channel and the western side of the channel, north, to latitude 40° 11' 21.0139"n, longitude 074° 01' 53.1749w. Transiting or anchoring within this portion of Shark River during these times is prohibited. Vessels are requested to contact the dredge via VHF-FM channel 6, 13 or 16 to make satisfactory passing arrangement and maintain a safe speed when transiting the main navigational channel during times of channel openings. Mariners should adjust their transits accordingly during times of channel closure and proceed with caution in the area.

Chart 12324

LNM: 37/16

NJ – LITTLE EGG INLET TO HEREFORD INLET – GREAT EGG ISLAND INLET – BEESLEYS POINT TEMPORARY BUOYS

On or about July 25 until about December 31, 2016, Route 52 Constructors will temporarily establish two buoys, one red and one green, to mark best water for vessels transiting Great Egg Harbor Bay while the final section of the old Beesleys Point Bridge (Rt 9) is removed. These buoys will shift the channel approximately 100 feet south of the existing channel so that vessels will no longer transit under the bascule bridge leaves. Once the final section of the bridge is removed, the buoys will be disestablished. Mariners are reminded to proceed with caution when navigating near the remaining section of the old Beesleys Point Bridge.

Beesleys Point Buoy 1 39-17-32.4N, 074-37-34.1W Green Can

Beesleys Point Buoy 2 38-17-32.9N, 076-37-34.3W Red Nun

Chart 12316

LNM: 28/16

******NC – RUSSELL SLOUGH – GALLANTS CHANNEL – PROPOSED CHANGES AIDS TO NAVIGATION******

Russell Slough is a non-maintained channel east of Newport Marshes in Beaufort, North Carolina. Gallants Channel is a federally maintained project that connects to the southern end of Russell Slough. However, the U.S. Army Corps of Engineers state there are no funds or plans to dredge this project. Due to encroaching shoals in these waterways, both channels require the following changes to appropriately mark and ensure safe navigation of the waterway.

The Coast Guard proposes to relocate:

Russell Slough DBN 6A (LLNR 38467)

Russell Slough Light 7 (LLNR 38470)

Russell Slough Channel Junction Light RG (LLNR 34855)

The Coast Guard proposes to establish:

Russell Slough Buoy 8

The Coast Guard proposes to discontinue:

Russell Slough Channel Warning DBN A (LLNR 34852)

Russell Slough Channel Warning DBN B (LLNR 34853)

Interested Mariners and other stakeholders are strongly encouraged to comment on the potential impacts this proposal would have on navigational safety. You may provide feedback using the U. S. Coast Guard Fifth District Waterway Data Sheet, available online at:

http://www.navcen.uscg.gov/pdf/Inms/D05%20LNM%202015%20Special%20Notice_Waterway_Proposal%20Feedback%20Form.pdf

All comments will be carefully considered and are requested prior to 26 October, 2016 to be considered in the analysis. Refer to project number 05-16-138(D).

******NC – RUSSELL SLOUGH – GALLANTS CHANNEL – PROPOSED CHANGES AIDS TO NAVIGATION******

Send comments to CGD5Waterways@uscg.mil or pablo.a.ortiz2@uscg.mil
U.S. Coast Guard Fifth District
Waterways Management (dpw)
Attn: Pablo Ortiz
431 Crawford Street
Portsmouth, VA 23704
Charts: 11541 11545

LNM: 38/16

NJ – GREAT EGG HARBOR INLET – GREAT EGG HARBOR – TUCKAHOE RIVER

Mariners are advised of the continued demolition work at the Route 50/State Highway Bridge, at mile 8.0, across Tuckahoe River between Corbin City and Upper Township NJ. The next stage of demolition work will include removal of the bridge superstructure, abutment walls, fender system and the bascule piers, work will be conducted from 7:00 a.m. to 3:30 Monday through Friday beginning in September 2016 and ending in January 2017. Mariners should adjust their transits accordingly.

Chart 12318

LNM: 31/16

NJ – GREAT CHANNEL - STONE HARBOR – DREDGING

Stevenson Environmental Services will be conducting dredging operations in the Great Channel, in Stone Harbor, NJ from September 20, 2016 through January 26, 2017. Dredging will be located in the South Basin, Snug Harbor, Stone Harbor, Pleasure Bay and access channel, Carnival Bay and access channel, Sanctuary Bay and access channel, Paradise Bay, Stone Harbor Hole, and access channel. At no time will the main navigational channel be closed for vessel traffic. Dredging is being completed with a mechanical dredge, also tug boats and scows will be in the vicinity of the dredging. Work hours are 24 hours a day, 7 days a week. Dredge and work vessels will monitor VHF-FM channel 13 and 16.

Chart 12316

LNM: 37/16

MD – OFF SHORE – SURVEY ACTIVITIES

US Wind intends to conduct survey activities within an area that includes a proposed cable corridor, extending from the Maryland Wind Energy Area, located in Federal waters on the Outer Continental Shelf, into Indian River Bay in Delaware. See Enclosure 7 of this LNM and <http://www.boem.gov/Maryland/>. The survey will include High Resolution Geophysical (HRG) surveys, vibracores, and benthic grab samples. The HRG survey will consist of a towed array of geophysical instrumentation throughout a 300-500 meter corridor centered along the proposed cable route. Vibracores and benthic grabs will also be collected along the center line of the proposed cable corridor. The survey work, beginning with the HRG survey, is scheduled to begin late-August (weather dependent) and continue for a period of up to 45 days. The HRG survey will be conducted 24-hours a day. Geophysical surveys and all vibracore and benthic grab sampling will be conducted during daylight hours only. If you have any additional questions or require additional information please contact Paul Rich of US Wind at (410) 727-4020.

Charts: 12200 12211

LNM: 34/16

******MD – BALTIMORE HARBOR - PATAPSCO RIVER - HANOVER STREET BRIDGE ******

An engineering firm, on behalf of Baltimore City Department of Transportation, will be performing an inspection at the SR 2 (Hanover Street) Bridge over Patapsco River, mile 11.4, in Baltimore, MD. The inspection will be conducted from October 17, 2016 to October 28, 2016; M-F; and Saturday, October 29, 2016 from 7 a.m. to 3 p.m. Inspection personnel will relocate from the moveable span and navigable channel, upon request. The project foreman can be reached at (410) 573-1999. Mariners should use caution when transiting the area.

Chart 12281

LNM: 38/16

******MD – CHESAPEAKE BAY – BALTIMORE HARBOR – FERRY BAR CHANNEL - MOORING BUOY******

On or about September 14, 2016, Corman Marine will establish a mooring buoy approximately 300 yards south, southwest of Fort McHenry in the Patapsco River. The mooring buoy will support work barges used for multiple shoreline protection projects. The buoy will be white with a blue band and lit with a slow flashing white light when no vessel is moored to it. Corman Marine Ft McHenry Mooring Buoy B in approximate position, 39-15-33N, 076-34-56W, showing FI W 4S.

Chart 12231

LNM: 38/16

MD – SEACOAST - FENWICK ISLAND TO CHINCOTEAGUE INLET – OFF SHORE OCEAN CITY INLET – CINAR STORM BUOY

On or about 2 Aug through 1 Dec 2016 the University of Maryland, Center for Environmental Science will be deploying a CINAR Tempests Storm monitoring buoy in approximate position 38° 16' 4" N, 75° 00' 23". The buoy is yellow in color and shows a W FL 4S light at night with approximately 7 ft of the buoy showing above the water line. For information or concerns contact Bill Boicourt or Mark Neary at 410-221- 8426 or 207-266-0474, boicourt@umces.edu, mark.g.neary@maine.edu.

Chart 12211

LNM: 31/16

******MD – CHESAPEAKE BAY – POPLAR ISLAND – DREDGING OPERATIONS******

Norfolk Dredging Dredge Essex and Dredge Chesapeake along with support equipment and tender boats ROBBIE R, HILTON HEAD and PUSHER 11, will commence dredging operations at Poplar Island, Maryland or about September 9, and continue through November 5, 2016. A submerged pipeline will be placed from the dredging area to the Poplar Island site. The Dredge Operators will standby on channels 13 and 16 VHF-FM. Traffic should call 30 minutes prior to expected time of passage. For further information contact: Norfolk Dredging Company at 757-547-9391.

Chart 12266

LNM: 37/16

******MD – CAMBRIDGE TO GREENSBORO - CHOPTANK RIVER******

A construction firm, on behalf of the Maryland State Highway Administration, is constructing a new bridge to replace the SR 331/Dover (Swing) Bridge over Choptank River, mile 35.3, between Talbot and Caroline Counties, Maryland. Construction activities begun on September 16, 2014 and are expected to finish in November 2018. Detailed project information and information concerning the waterway closures will be provided via

******MD – CAMBRIDGE TO GREENSBORO - CHOPTANK RIVER******

updated local notice to mariners, broadcast notice to mariners and marine safety information bulletins. Tugs, crane barges, and vessels are operating or stationed in the vicinity of the existing and new bridge. McLean Contracting Company's tugs and vessels are monitoring VHF-FM channel 13 when work is in progress or vessels are operating in the area. The MDSHA project engineer may be contacted at (816) 989-4019 and McLean Contracting Site Supervisor may be contacted at (443) 980-7633. Mariners should use extreme caution when transiting the area. Project Information may be found at: <http://apps.roads.maryland.gov/WebProjectLifeCycle/ProjectSchedule.aspx?projectno=TA392515>

Chart 12268

LNM: 38/16

MD- CHESAPEAKE BAY - HARRIS CREEK - OYSTER REEF RESTORATION

The U.S. Army Corps of Engineers and Maryland Department of Natural Resources have placed rock and shell at 66 sites to restore oyster reef habitat in Harris Creek in Talbot County, MD. In those areas, water depths are 1 ft to 2 ft shallower than what is currently shown on navigational charts. Please be vigilant when navigating through these areas. Oyster Reef locations may be seen on Enclosure 8. A general map, finer scale maps, and coordinates of the restoration areas are available at <http://www.nab.usace.army.mil/Missions/Environmental/OysterRestoration.aspx>

Contact the USACE Project Manager, Anna Compton - 410-962-4633 or anna.m.compton@usace.army.mil for further information.

Charts: 12266 12270

LNM: 17/16

******MD - CHESAPEAKE BAY - PATUXENT RIVER- CONSTRUCTION OPERATIONS******

IHI-Kiewit will commence removal of the Offsite Area B Site located on the Patuxent River in Solomon's Maryland that was constructed to support the construction of the Cove Point Liquefaction Project in Calvert County Maryland. The trestle, steel pipe piles, steel beams decking and steel dolphins and mooring piles will be removed. Work will begin on or about 3 October and continue through December 2016. For any questions or concerns, contact William Bodnar, Project Director, 913-424-9051. William.bodnar@kiewit.com

Chart 12264

LNM: 38/16

MD - CHESAPEAKE BAY - PATUXENT RIVER AND VICINITY – COVE POINT

Dominion Cove Point LNG Liquefaction Project will be deploying construction material in the Cedar Point Artificial Reef located at just south of the Patuxent River bounded by the following positions.

38-19.03N, 76-23.03W

38-18.67N, 76-22.25W

38-18.82N, 76-23.22W

38-18.53N, 76-22.40W

The deployment of reef material will occur between Sep 1 and Oct 31 2016.

Chart 12264

LNM: 32/16

MD/VA - POTOMAC RIVER - HARRY NICE MEMORIAL BRIDGE – REPLACEMENT

Mariners, adjacent property owners, and government agencies are notified that the Maryland Transportation Authority (MDTA) is proposing to replace the Harry Nice Memorial/Route 301 Bridge (also known as the Potomac River Bridge) across the Potomac River. The MDTA is proposing to replace the bridge at a reduced vertical height of 106.5 feet above mean high water and horizontal clearances of 250 feet. The reduction in width would not prohibit any vessel recorded in the past five years from passing and is not anticipated to restrict future vessel traffic. MDTA proposes the design change will help improve traffic conditions in the area. Comments should be sent to the address listed in the Public Notice, attention (dpb), no later than October 6, 2016. Copies of Preliminary Public Notice 5-1365, which describes the proposal in detail can be obtained by calling (757) 398-6227 or by viewing at <http://www.navcen.uscg.gov/?pageName=pnBridges&Active=1®ion=5>.

Chart 12286

LNM: 35/16

MD/VA – CHESAPEAKE BAY – SMITH ISLAND – TEMPORARY MOORING BUOYS

From about July 23, 2016 until about October 23, 2016, Coastal Design and Construction will temporarily establish six mooring buoys on the west side of Smith Island off of Hog Neck to support work barges for a shoreline protection project. The buoys will be white with blue bands and rise 3 feet above the waterline.

Hog Neck Mooring Buoy A 37-57-00N, 076-03-30W

Hog Neck Mooring Buoy B 37-56-48N, 076-03-30W

Hog Neck Mooring Buoy C 37-57-18N, 076-03-09W

Hog Neck Mooring Buoy D 37-57-27N, 076-03-09W

Hog Neck Mooring Buoy E 37-57-34N, 076-03-09W

Hog Neck Mooring Buoy F 37-57-40N, 076-03-09W

Chart 12231

LNM: 29/16

******DC – POTOMAC RIVER – WASHINGTON CHANNEL – SUBSURFACE SURVEY******

GEI Consultants will be conducting subsurface survey work in Washington Channel, Southwest Waterfront, Washington DC between 17 and 18 October 2016. The work will be performed from a 40 X 100 foot barge moving around the basin.

Chart 12289

LNM: 38/16

DC – POTOMAC RIVER - WASHINGTON HARBOR – FRANCIS SCOTT KEY BRIDGE – REPAIRS

The District of Columbia Department of Transportation (DDOT) will be repairing the existing US-29/Francis Scott Key Bridge (also known as the Key Bridge), across the Potomac River at mile 113, between Rosslyn, Arlington County, VA and Georgetown, Washington, DC. The project is scheduled to begin on September 20, 2016, and take place Mondays through Fridays, from 7 a.m. to 5 p.m. The two-year rehabilitation project includes repairing deteriorated concrete bridge arches and piers, re-surfacing the bridge deck, and installing a fiberglass jacket at the footer of each pier. To facilitate these repairs, reach the lower portions of the bridge, and conduct the project safely when working over the waterway, 40 ft x 80 ft deck barges will be positioned (spudded) next to the bridge piers, within the 200-ft wide span, at all times. In addition, a pushboat and

DC – POTOMAC RIVER - WASHINGTON HARBOR – FRANCIS SCOTT KEY BRIDGE – REPAIRS

barge with telehandler will be used to transport materials and debris between the bridge piers and the staging area located along the DC shoreline at the bridge. All marine equipment will be lighted in accordance with USCG regulations. Mariners are urged to use caution when transiting the area, remain alert for on-water activity at the bridge and staging area, and reduce speed to minimize wake near the work site. Interested mariners can contact the bridge project's tender boat via marine band radio VHF-FM channel 16 during the work period. For any questions or concerns, contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at telephone (410) 576-2674 or (410) 576-2693.

Chart 12289

LNM: 35/16

VA – CHESAPEAKE BAY – LYNNHAVEN RIVER EASTERN BRANCH – SHOALING - CHANGES TO AIDS TO NAVIGATION

Due to shoaling in the Lynnhaven River Eastern Branch, the City of Virginia Beach will realign existing buoys and add new buoys to aid mariners in safe navigation. This re-marking of the channel will likely happen within the next few weeks and would relocate existing buoys 1EB, 2EB, and 2A and establish three new buoys.

Relocate:

- 10332 Lynnhaven River Eastern Branch Buoy 1EB, 36-53-51.1N, 076-05-08.3W, Green Can
- 10332.01 Lynnhaven River Eastern Branch Buoy 2EB, 36-53-50.5N, 076-05-09.3W, Red Nun
- 10332.03 Lynnhaven River Eastern Branch Buoy 2A, 36-53-42.2N, 076-05-04.5W, Red Nun

Establish:

- Lynnhaven River Eastern Branch Buoy 1A, 36-53-42.5N, 076-05-03.4W, Green Can
- Lynnhaven River Eastern Branch Buoy 1B, 36-53-36.5N, 076-05-01.3W, Green Can
- Lynnhaven River Eastern Branch Buoy 2B, 36-53-35.9N, 076-05-02.4W, Red Nun

In the meantime, mariners are reminded to proceed with caution when navigating the Lynnhaven River Eastern Branch, particularly between Lynnhaven River Junction Daybeacon EW (LLNR 10187) and Lynnhaven River Eastern Branch Buoy 3 (LLNR 10332.1).

Chart 12254

LNM: 34/16

******VA – CHESAPEAKE BAY – CAPE CHARLES TO NORFOLK HARBOR - JOINT EXPEDITIONARY BASE LITTLE CREEK FORT STORY – MILITARY OPERATIONS******

Military Operations will be conducted in the following areas during the dates and times listed. Operations may consist of swimmers in the water, small boat operations consisting of four to seven boats, beach landing craft, unmanned aerial vehicles, helicopter air drops and recovery.

Naval Anchorage Area A & B, 1 Sep 2016. Between the hours of 7:00 am and 1:00 pm.

Naval Anchorage Area A, 1 Sep 16. Between the hours of 7:00 am and 4:00 pm.

Naval Anchorage Area A & B, 2 Sep 2016. Between the hours of 8:00 am and 4:00 pm.

Naval Anchorage Area A, 13 Sep 16. Between the hours of 9:00 am and 3:00 pm.

Naval Anchorage Area A & B, 19 Sep 16. Between the hours of 8:00 am and 10:00 am.

Naval Anchorage Area A, 20 Sep 16. Between the hours of 9:00 am and 4:00 pm.

Naval Anchorage Area A & B, 23 Sep 16. Between the hours of 8:00 am and 2:00 pm.

Naval Anchorage Area A, 26 Sep to thru 7 Oct 16. 24 hours a day.

Naval Anchorage Area A & B, 29 Sep thru 20 Sep 16. Between the hours of 8:00 am and 10:00 am.

Naval Anchorage Area A & B, 30 Sep 16. Between the hours of 8:00 am and 2:00 pm.

For questions or concerns about these operations you may contact Range Operations and Training Area, Mr. Assaf or Ms. Lawrence at 757-422-7103/7101.

Charts 12222, 12254

Charts: 12222 12254

LNM: 20/16

VA – HAMPTON ROADS - WILLOUGHBY BAY - SHOALING

The USACE has reported shoaling in Willoughby Channel to 2.6 feet MLLW in the vicinity of Willoughby Channel Buoy 3 (LLNR 10583).

Chart 12245

LNM: 34/16

VA – NORFOLK HARBOR AND ELIABETH RIVER–SOUTHERN BRANCH - SOUTH NORFOLK JORDAN BRIDGE

An engineering firm, on behalf of FIGG Bridge Managers LLC, will be performing maintenance at SR 337 (South Norfolk Jordan Bridge) bridge over Elizabeth River (Southern Branch), mile 2.8, in Chesapeake, VA and Portsmouth, VA. The maintenance will be conducted on August 29, 2016 through September 23, 2016; M-F; from 7 a.m. to 5:30 p.m. Repairs to the fendering system of the bridge will occur. A side loadable warping tug (90 ft. x 21ft. x 5 ft.) and a 21 ft. work boat will be in and around the vicinity of the bridge. During the maintenance period, the horizontal clearance will be reduced to 240 ft. Vessels who can safely transit through the reduced horizontal clearance, may do so at any time. Maintenance personnel, equipment and vessels will relocate from the navigable channel, upon request. Work vessels may be reached on VHF-FM channel 13. The project foreman can be reached at (252) 655-1243 and VHF-FM channel 13. Mariners should notify the work foreman no less than thirty minutes prior to navigating through the area and should use caution when transiting the area.

Chart 12253

LNM: 34/16

VA – ELIZABETH RIVER – LAMBERTS BEND REACH – DREDGING

The Cottrell Contracting Corporation of Chesapeake, Virginia Dredge Rockbridge will be conducting dredging operations within the Elizabeth River Channel, Lamberts Bend Reach between Elizabeth River Channel Lighted Buoy 25 (LLNR 9710) and Elizabeth River Channel Lighted Buoy 30 (LLNR 9735). Additionally, the dredge will be conducting operation within the Navy Depoering Station (on the west side of the channel). The dredge will conduct operations from September 1 through November 1, 2016.

Chart 12253

LNM: 36/16

VA – NORFOLK HARBOR AND ELIZABETH RIVER – SOUTHERN BRANCH - GILMERTON BRIDGE

VA – NORFOLK HARBOR AND ELIZABETH RIVER – SOUTHERN BRANCH - GILMERTON BRIDGE

The Gilmerton Bridge (US13/460) across the South Branch of the Elizabeth River, mile 5.8, on the Atlantic Intracoastal Waterway, at Chesapeake, VA has sustained damage and will not be capable of normal operation until 5 a. m. on September 19, 2016. The bridge will be maintained in the closed-to-navigation position until 5 a.m. on September 19, 2016; except for scheduled openings at 9 a.m., noon, 3 p.m. and 7 p.m. , Monday through Friday; and 9 a.m. and 3 p.m. on Saturday and Sunday. The vertical clearance of the bridge is 36 feet above mean high water in the closed position, 136 feet above mean high water in the open position, and 110 feet above mean high water in the open position from 9 p.m. on September 16, 2016 through 5 a.m. on September 19, 2016. The bridge will open on signal for emergency vessels, if at least one hour notice is given. Vessels able to safely pass through the bridge in the closed position may do so. On Saturday and Sunday, September 17, 2016 and September 18, 2016, vessels able to safely pass through the bridge in the closed position should contact the bridge tender to ensure safe passage through the bridge. Mariners should use extreme caution when transiting the area.

Chart 12253

LNM: 37/16

VA – ELIZABETH RIVER – HIGH RISE BRIDGE - BRIDGE WORK

Corman Construction, Inc will be starting a project on the Elizabeth River on or about November 20, 2016. They will be performing repairs to Span 19 and Span 37 on the High Rise Bridge. Work will be conducted from Nov 20 through Dec 21, 2016, Monday through Saturday from 7:00 am to 5:00 pm. Jobsite Contact: Anmarie Collins at 804-520-9766.

Chart 12253

LNM: 37/16

******VA – JAMES RIVER – DOMINION ASSOCIATES PIER – DREDGING******

The Norfolk Dredge Company Dredge Virginian will be dredging at the Dominion Terminal Associates Pier in Newport News, VA between 1 Oct and 20 Oct 2016. The dredge material will be transported to Craney Island via scows. The Dredge can be contacted on VHF-FM channels 13 and 16. Norfolk Dredge Company can be contacted at 757-547-9391.

Chart 12248

LNM: 38/16

******VA - JAMES RIVER – JAMES RIVER BRIDGE – BRIDGE CLOSURE******

An engineering firm, on behalf of the Virginia Department of Transportation, will be performing maintenance and repairs to the aerial electrical cable connecting the north tower to the south tower at the James River Bridge (US 17 and VA 258) across the James River, river mile 5.0, between Isle of Wight and Newport News, VA. The bridge will be maintained in the closed-to-navigation position between 5 a.m. and 7 p.m. from September 19, 2016 through September 30, 2016; with alternate dates from October 1, 2016 through October 16, 2016. During closure periods the bridge will not be able to open for emergencies and a 55-foot by 150-foot crane barge will be positioned alongside the bridge at various locations within the main navigation span of the bridge with the centerline of the barge perpendicular to the bridge. The vertical clearance of the bridge in the closed position is 60 feet above mean high water. The horizontal clearance of the main navigation span of the bridge with the crane barge alongside the bridge will vary from approximately 145 feet to 290 feet. Vessels able to safely pass through the bridge in the closed position with the crane barge positioned alongside the bridge may do so at anytime. Vessels planning to transit through the bridge in the closed position with the crane barge positioned alongside the bridge shall contact the bridge tender to request information concerning the position of the crane barge to ensure safe passage. Vessels able to safely pass through the bridge in the closed position that require the crane barge to clear the main navigation span of the bridge, may do so at 12 noon, daily, if at least 2 hours advance notice is given to the bridge tender. Vessels unable to pass through the bridge in the closed position with the crane barge positioned alongside the bridge should adjust their voyage plans to transit through the bridge between 7 p.m. to 5 a.m. from September 19, 2016 through September 30, 2016; with alternate dates from October 1, 2016 through October 16, 2016. The bridge will open on signal for vessels that require an opening of the bridge and are unable to transit through the bridge during non-closure times due to draft and/or daylight restrictions or limitations, if notice is provided by 5 p.m. the day before the required bridge opening. The bridge will operate in accordance with 33 CFR 117.5 between 7 p.m. to 5 a.m. from September 19, 2016 through September 30, 2016; with alternate dates from October 1, 2016 through October 16, 2016.

Chart 12248

LNM: 37/16

VA – JAMES RIVER - BENJAMIN HARRISON MEMORIAL – BRIDGE CLOSURE

The SR 156 (Benjamin Harrison Memorial) Bridge over James River, mile 65.0, in Hopewell, VA will remain in the closed-to-navigation position to utilize the moveable span to facilitate bridge maintenance and repairs. The bridge will remain in the closed position from 8 p.m. to 6 a.m. ; Monday-Friday; October 3, 2016 through October 28, 2016. Mariners able to pass under the bridge in the closed position, (50 feet above Mean High Water) may do so, and all others should adjust their transits accordingly. The bridge will open for vessels on signal during scheduled closure period, if at least 10 hours notice is given. The bridge will be able to open for emergencies during scheduled closure periods, if at least 30 minutes notice is given. The project foreman can be reached at (813) 616-4324 and VHF-FM channel 13. Mariners should use caution when transiting the area.

Chart 12252

LNM: 38/16

VA – RAPPAHANNOCK RIVER– US 360, DOWNING BRIDGE – MAINTENANCE

An engineering firm, on behalf of Virginia Department of Transportation, will be performing maintenance at US 360 (Downing Bridge) bridge, over Rappahannock River, mile 42.5, in Tappahannock, VA. The maintenance will be conducted September 19, 2016 through May 3, 2017; 24 hours a day; 7 days a week. The vertical clearance of the bridge will be reduced to approximately 47 feet above mean high water. A work platform will be attached to the underside of the bridge. Quick flashing red lights will be positioned to mark the bottom of the work platform used under the bridge. Legible signs will be erected on the existing fender system for awareness of reduced vertical clearance. Maintenance personnel, equipment will not be able to relocate from the navigable channel, upon request. The project foremen can be reached at (410) 299-0586 or (410) 913-4028 and may be reached on VHF-FM channel 13. Mariners should use caution when transiting the area.

Chart 12237

LNM: 37/16

VA – RAPPAHANNOCK RIVER ENTERANCE CARTER CREEK – BRIDGE MAINTENANCE

An engineering firm, on behalf of Virginia Department of Transportation, will be performing maintenance at SR 3 (Route 200) bridge, over Carter Creek, in Irvington, VA. The maintenance will be conducted September 19, 2016 through May 3, 2017; 24 hours a day; 7 days a week. The

VA – RAPPAHANNOCK RIVER ENTERANCE CARTER CREEK – BRIDGE MAINTENANCE

vertical clearance of the bridge will be reduced to approximately 17 feet above mean high water. A work platform will be attached to the underside of the bridge. Quick flashing red lights will be positioned to mark the bottom of the work platform used under the bridge. Legible signs will be erected on the existing fender system for awareness of reduced vertical clearance. Maintenance personnel, equipment will not be able to relocate from the navigable channel, upon request. The project foremen can be reached at (410) 299-0586 or (410) 913-4028 and may be reached on VHF-FM channel 13. Mariners should use caution when transiting the area.

Chart 12235

LNM: 37/16

******VA – RUDEE INLET CHANNEL – SHOALING******

The City of Virginia Beach Survey of Rudee Inlet, dated September 8, 2016 indicates shoaling across the channel from approximately 40 feet east of the east ends of the jetties extending out eastward approximately 175 feet. Least depths range from 10.0 feet to 8.4 feet MLLW.

Charts: 12205 12207 12208 12221

LNM: 37/16

******VA – SEACOAST – VIRGINIA BEACH – NOAA BUOY ESTABLISHMENT******

The National Oceanic and Atmospheric Service (NOAA) has established a temporary scientific data buoy approximately one half of a nautical mile east of Dam Neck Fleet Training Center. The buoy is yellow and 3.5 feet in diameter, marked with a yellow light. The buoy will be discontinued on or about November 30, 2016.

Dam Neck Data Buoy A, approximate position 36-46-58.4N, 075-56-34.3W, ISO Y 2S

Chart 12207

LNM: 38/16

******VA – SEACOAST – APPROCHES TO CHESAPEAKE BAY – SURVEY******

The R/V Ugle Duckling a 37 foot catamaran with a-frame for towing geophysical sensors will be conducting surveys off Virginia Beach, VA from 20 September to 8 October 2016. The vessel is equipped with AIS (MMSI is 338158987). The survey will be conducted east of Rudee Inlet to approximately 20 NM off shore between approximate positions 36 49.1111N, 075 57.4695W & 36 49.1332N, 075 36.7196W. A chartlet representing the area to be surveyed is attached as Enclosure 10. The survey vessel will be towing geophysical sensors and will be limited in its ability to maneuver and will be displaying ball-diamond-ball day shapes. For questions or concerns please contact Ryan Earley 973-534-3323 or Mr. Richard Funk 206-605-3482. The POC on the vessel, Eric Taylor can be contacted at 425-754-3084 or VHF Ch-16.

Chart 12208

LNM: 38/16

NC – SEACOAST – CAPE HATTERAS TO LITTLE RIVER INLET – TEMPORARY RESEARCH BUOY

On or about August 2, EcoH2O Innovations LLC will establish a research buoy approximately one nautical mile south southwest of the entrance to Masonboro Inlet and about 300 yards off the beach to be discontinued on or about 1 September 2016. The three-foot diameter buoy is white and blue with a slow flashing yellow light and is marked "SAROS."

Masonboro Island Research Buoy A FI Y 4S 34-09-56.2 N, 077-49-21.9 W

Chart 11520

LNM: 30/16

NC – CROATAN SOUND – US 64/264 WILLIAM B. UMSTEAD MEMORIAL BRIDGE

An engineering firm, on behalf of the NCDOT, will be performing maintenance at US 64/US 264 (William B. Umstead Memorial) Bridge over Croatan Sound, mile 2.0, in Mann's Harbor, NC. The maintenance will be conducted between May 24 and September 30, 2016; Monday-Friday; from 7 a.m. to 5 p.m. Replacement of the bridge fendering system will occur. Two barges with several small floats will be in or the vicinity of the bridge. Maintenance personnel, equipment and vessels will relocate from the navigable channel, upon request. The project superintendant and work vessels may be reached on VHF-FM channel 13 or (910)-340-3666. Mariners should notify the project superintendant no less than one hour prior to navigation through the bridge and use caution when transiting the area.

Chart 12204

LNM: 37/16

NC - OREGON INLET CHANNEL - HERBERT C. BONNER BRIDGE CONSTRUCTION & REPLACEMENT

Construction activities for the replacement bridge began on March 7, 2016 and are expected to finish on August 30, 2019. Work will be on-going 24-hours per day, seven days a week. Detailed project information and information concerning waterway closures will be provided via updated local notice to mariners, broadcast notice to mariners and marine safety information bulletins. Tugs, crane barges, material barges, support vessels and crew boats will be operating or stationed in the vicinity of the existing and new bridge. Crane barges will be secured in place with four anchors connected by anchor wires to the corners of the barge. The anchor locations will be marked with yellow crown buoys within an approximate 500-ft radius of the crane barge. A work trestle/loading dock will be constructed approximately 200 yards south of the southeastern end of the existing Bonner Bridge, on the southwest side of South Point in Pamlico Sound, extending 150 feet southwesterly from the shoreline and terminate at approximately 35.766 N, 75.526 W. Running parallel to the dock will be a 245 foot breast-line comprised of eight 36-inch hollow pipe piles spaced fifty feet apart, to be used for mooring purposes. The breast-line will begin near shore and terminate at approximately 35.765N, 75.527 W. Each pile will be lit by a flashing white light. PCL Civil Constructors tugs and vessels will monitor VHF-FM channels 13 and 16 when work is in progress or vessels are operating in the area. The NCDOT Resident Engineer may be contacted at (252) 473-3637 and PCL Civil Constructors may be contacted at (252) 423-3093. Project information may be found at <http://www.ncdot.gov/projects/bonnerbridgereplace/>.

Chart 12205

LNM: 18/16

******NC – PAMLICO SOUND – OLD HOUSE CHANNEL – ESTABLISHMENT OF WAVE BREAK STRUCTURES AND ACCOMPANYING WARNING LIGHTS******

On or about September 26, 2016, North Carolina Department of Transportation will be establishing three wave break structures. These structures will be marked with white, slow flashing warning lights and daymarks.

Old House Channel Warning Light A, 35-45-17.3N, 075-35-13.7W, FI W 2.5S, NW on pile.

Old House Channel Warning Light B, 35-45-17.8N, 075-35-10.7W, FI W 2.5S, NW on pile.

Old House Channel Warning Light C, 35-45-17.1N, 075-35-07.8W, FI W 2.5S, NW on pile.

******NC – PAMLICO SOUND – OLD HOUSE CHANNEL – ESTABLISHMENT OF WAVE BREAK STRUCTURES AND ACCOMPANYING WARNING LIGHTS******

Chart 12254

LNM: 37/16

NC – GALLANTS CHANNEL – BRIDGE CONSTRUCTION

Mariners are advised to take caution and proceed slowly when approaching the construction site of the New Gallant's Channel Fixed Bridge, over the Gallants Channel in Beaufort, North Carolina. To facilitate the process of girder raisings by Orion Marine Construction, commencing on the following dates and times construction cranes and barges will be in the channel: April 10 through April 16, 2016 from 7:00 am to 5:00 pm each day. All vessel traffic can expect delays and should adjust voyage plans accordingly. Vessels requiring greater than 25 feet horizontal clearance are recommended to use an alternate route until this phase of girder raisings are completed. Construction equipment will be removed from the channel each evening. The Orion Marine Construction onsite work supervisor can be contacted on VHF channel 13 and telephone at (813) 334-0208. Mariners are urged to transit the area at slow no wake speeds.

Chart 11545

LNM: 12/16

******NC – CAPE FEAR RIVER – DREDGING******

Starting approximately 1 October and continuing until approximately 15 December 2016 the hopper dredge R.N. Weeks will perform maintenance dredging in the Cape Fear River. The work will be conducted in Baldhead Shoal Channel Reach 3, Battery Channel and Southport Channel. Dredged material will be transported and bottom dumped by the hopper dredge to the Ocean Dredged Material Disposal Site (ODMDS). The limits for the ODMDS are bound by the following approximate locations:

33°43'44.98"N/78° 2'31.63"W

33°43'44.29"N/78° 1'2.87"W

33°42'35.55"N/ 78° 1'3.08"W

33°42'36.08"N/78° 2'31.76"W

Dredging operations will continue on twenty-four (24) hours per day, seven days per. The dredge 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. If you have any question or require additional information contact Project Manager Mr. Matt Henry - (985) 237-5050, mhenry@weeksmarine.com or Mr. Levi Bradley (985) 705-5668, mailto:rlbradley@weeksmarine.com

Chart 11537

LNM: 38/16

NC - APPROACHES TO CAPE FEAR RIVER – FRYING PAN SHOAL - NOAA HYDROGRAPHIC SURVEY OPERATIONS

NOAA Ship Ferdinand R. Hassler (S-250) will be conducting hydrographic survey operations at the approach to Wilmington, NC, in the vicinity of Frying Pan Shoals from through 14 November 2016. Ferdinand R. Hassler is a 123-foot, white-hulled survey vessel; the ship has NOAA markings, can be identified on AIS, and will be monitoring VHF channels 13 and 16. Survey operations will be conducted 24-hours a day. Mariners are requested to exercise caution when transiting the operational area. There will be two modes of survey operations, which may happen simultaneously. Survey modes include; ship survey with or without towed sensors and surveys from a 28 foot launch. When towed hydrographic instrumentation is deployed, Ferdinand R. Hassler will be restricted in her ability to maneuver. Questions or concerns can be addressed to the ship's Field Operations Officer via phone at: (603) 812-8748 or email at: ops.ferdinand.hassler@noaa.gov

Chart 11536

LNM: 21/16

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	
640	<i>Diamond Shoals Lighted Buoy 12</i>	35-09-05.000N 075-17-33.000W	Q R		5	Red.	Marks remaining structure of Diamond Shoal Light.	38/16
					*			
650 28630	<i>Hatteras Inlet Entrance Lighted Whistle Buoy HI</i>	35-09-28.680N 075-46-40.418W	Mo (A) W		6	Red and white stripes with red spherical topmark.	Position frequently shifted with changing conditions.	38/16
		*						
995	Barnegat Inlet Buoy 20	39-45-59.298N 074-07-01.988W				Red nun.		38/16
		*						
18795	ST. JEROME CREEK LIGHT 1SJ	38-06-54.494N 076-20-08.598W	FIG 2.5s	15	3	SG on pile.		38/16
					*			

SECTION VIII - LIGHT LIST CORRECTIONS (Continued)

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
23075	Big Thorofare Channel Daybeacon 20	37-58-46.001N 076-00-25.668W				TR on pile.	38/16	
		*						
28630 650	Hatteras Inlet Entrance Lighted Whistle Buoy HI	35-09-28.680N 075-46-40.418W	Mo (A) W		6	Red and white stripes with red spherical topmark.	Position frequently shifted with changing conditions.	38/16
		*						
28645	Hatteras Inlet Lighted Buoy 2	35-10-02.559N 075-46-29.573W	FIR 2.5s		3	Red.	38/16	
		*						
29372	Beaufort Inlet Channel Lighted Buoy 13	34-40-28.549N 076-40-12.122W	FIG 2.5s		4	Green.	38/16	
		*						
29380	Beaufort Inlet Channel Lighted Buoy 15	34-40-49.042N 076-40-11.038W	FIG 4s		5	Green.	38/16	
		*						
29440	Morehead City Channel Lighted Buoy 21	34-41-57.835N 076-40-29.945W	FIG 4s		5	Green.	38/16	
		*						
39600	NEW RIVER - CAPE FEAR RIVER LIGHT 122	34-15-12.288N 077-46-46.486W	FIR 4s	18	4	TR-TY on pile.	38/16	
		*			*			

PUBLICATION CORRECTIONS

None

ENCLOSURES

Enclosures

1. Summary of Shoaling.
 2. Summary of Bridge Regulations/Construction/Permits.
 3. Summary of Dredging and Construction.
 4. Summary of Marine Events.
 5. Summary of Coast Guard Sector North Carolina shoaling/waterway projects.
 6. Summary of Coast Guard Sector Hampton Roads shoaling/waterway projects.
 7. Maryland Offshore Survey Activities.
 8. Harris Creek Oyster Reef Restoration sites.
 9. Navy Exercise in the vicinity of Fort Monroe.
 10. MAREA MEC Survey
-
-

SUMMARY OF SHOALING REPORTED IN THE FIFTH COAST GUARD DISTRICT

DELAWARE SHOALING

DE- INDIAN RIVER BAY – SHOALING (Chart 12216)

There has been a report of shoaling in Indian River Bay between Indian River Inlet Buoy 19 (LLNR 4435) and Middle Island West Channel Junction Lighted Buoy MI (LLNR 4436). Depths of 0.0 ft at times, during low tide, were reported.

NEW JERSEY SHOALING

NJ - INTRACOASTAL WATERWAY- SANDY HOOK TO LITTLE EGG HARBOR - MANASQUAN - ATLANTIC CITY (Chart 12312)

There has been a report of shoaling in the New Jersey Intracoastal Waterway within the channel boundaries in the vicinity of New Jersey Intracoastal Waterway Light 40 (LLNR 35125), to a depth of less than 4 feet 9 inches at mean low water. Ref LNM 05/16

******NJ - INTRACOASTAL WATERWAY- LITTLE EGG HARBOR – CAPE MAY - MANASQUAN - ATLANTIC CITY****** (Chart 12316)

Shoaling has been reported in the NJ Intracoastal Waterway (NJ-ICW) between NJ-ICW Day beacon 159 (LLNR 35640) and NJ-ICW Buoy 161 (LLNR 35649).

PENNSYLVANIA SHOALING

MARYLAND SHOALING

MD – CHESAPEAKE BAY- CHESTER RIVER – KENT ISLAND NARROWS NORTH APPROACH (Chart 12272)

Shoaling has been reported in Kent Island Narrows North Approach Channel. Depths less of less than 4 feet have been reported between Kent Island Narrows North Approach LT 4 (LLNR-26425) and Kent Island Narrows North Approach LT 6 (LLNR-26435) on the red side of the channel. Vessels transiting the Kent Island Narrows North Approach Channel should exercise caution. Ref LNM 05/16

******MD - CHESAPEAKE BAY - TANGIER SOUND - NORTHERN PART - RHODES POINT GUT CHANNEL****** (Chart 12228)

There has been a report of shoaling in Rhodes Point gut channel within the channel boundaries between Rhodes Point Gut Channel Buoy 3 (LLNR 23000) and Rhodes Point Gut Channel Buoy 5 (LLNR 23005), to a depth of less than six feet at mean low water. Depth is reading approx one and a half feet. Ref MD BNM 278-16

MD - FENWICK ISLAND TO CHINCOTEAGUE INLET - SINEPUXENT BAY – SHOALING (Chart 12211)

Shoaling has been found in Sinepuxent Bay Channel in the following locations: Sinepuxent Bay Channel Daybeacon 11B (LLNR 5050), shoaling encroaches approximately 20 yds into the channel in a southwesterly direction. Water depths have been found as low as 2.5 ft during low tide. Between Sinepuxent Bay Channel Light 8 (LLNR 5020) and Sinepuxent Bay Channel Daybeacon 10 (LLNR 5035), shoaling encroaches approximately 15 yds into the channel in an easterly direction. Water depths have been found as low as 2 ft during low tide. Between Sinepuxent Bay Channel Buoy 33 (LLNR 5130) and Sinepuxent Bay Channel Daybeacon 35 (LLNR 5135) on the eastern side of the channel. Water depths have been found as low as 3 ft during low tide.

VIRGINIA SHOALING

VA – NANDUA CREEK (Chart 12226)

Shoaling has been reported at the entrance to Nandua Creek to 2 feet. HR BNM 311-13

VA – VIRGINIA INSIDE PASSAGE (VIP) (Chart 12210, 12224)

VIP Day beacon 107 (LLNR 5950) to VIP Day beacon 265 (LLNR 6580), Shoaling to less than 6ft MLW. HR BNM 106-16
Quinby Creek Day beacon 7 (LLNR 6770) to Quinby Creek Light 13 (LLNR 6785), Shoaling to less than 6 ft MLW. HR BNM 104-16

VIP Day beacon 244 (LLNR 6485), Shoaling to 1 foot. HR BNM 272-14

Sand Shoal Channel Light 1 (LLNR 6990) to Sand Shoal Light 10 (LLNR 6996) LNM 24-13

Oyster Creek Channel Junction Lighted Buoy OC (LLNR 7002/6447) to Oyster Creek Light 10 LLNR 7025), Shoaling to less than 6ft MLW. HR BNM 107-16

VA – CHESAPEAKE BAY – RAPPAHANNOCK RIVER ENTRANCE – URBANNA CREEK (Chart 12235)

Shoaling has been reported to less than 2 feet at MLW in Urbanna Creek between Urbanna Creek Light 5 (LLNR 15253) and Day beacon 7 (LLNR 15260). HR BNM 549-15

VA – CHESAPEAKE BAY – RAPPAHANNOCK RIVER ENTRANCE – MILFORD HAVEN (Chart 12235) Shoaling has been reported to less than 1 foot at MLW in vicinity of Milford Haven Channel Light 3 (LLNR 14770) extending 100 yards east of Day beacon 3A (LLNR 14775). HR BNM 573-15

VA – CHESAPEAKE BAY – RAPPAHANNOCK RIVER ENTRANCE MILFORD HAVEN EAST (Chart 12235) Shoaling has been reported to 3 feet between Milford Haven East Light 6 (LLNR 14593) and Milford Haven East Light 9 (LLNR 14605). HR BNM 030-15

******VA – CHESAPEAKE BAY - MATTAWOMAN CREEK – SHOALING****** (Chart 12226) Shoaling has been Reported to a depth of 2-3ft at mean low water in the channel of Mattawoman Creek between Mattawoman Creek Light 1MC (LLNR 21580) and Mattawoman Creek Light 2 (LLNR 21585). Mariners are advised to transit the area with caution.

VA – CHESAPEAKE BAY – MOBJACK BAY AND YORK RIVER ENTRANCE - HORN HARBOR (Chart 12238) Shoaling has been reported to 1-2 feet one hour before low tide extending 50 yards channel ward from Horn Harbor Lighted Buoy 8 (LLNR 14487). HR BNM 182-15

VA – CHESAPEAKE BAY – YORKTOWN TO WEST POINT - QUEEN CREEK (Chart 12243) Shoaling to less than 3 feet has been reported in Queen Creek from Queen Creek Entrance Light 2QC (LLNR 13785) to Queen Creek Day beacon 10 (LLNR 13820). HR BNM 170-14

******VA – HAMPTON ROADS - WILLOUGHBY BAY****** (Chart 12245) The USACE has reported shoaling in Willoughby Channel to 2.6 feet MLLW in the vicinity of Willoughby Channel Buoy 3 (LLNR 10583).

VA – CHESAPEAKE BAY – LYNNHAVEN INLET – LONG CREEK CHANNEL (Chart 12254) Shoaling to 2.4 feet has been reported in Long Creek Channel east of Long Creek Channel Day beacon 7 (LLNR 10167) in the vicinity of Pleasure House Point. HR BNM 293-14

******VA – RUDEE INLET CHANNEL – SHOALING******
The City of Virginia Beach Survey of Rudee Inlet, dated September 16, 2016 indicates shoaling across the channel from approximately 40 feet east of the east ends of the jetties extending out eastward approximately 175 feet. Least depths range from 7.6' to 10' MLLW.
Chart 12205, 12207, 12208, 12221

NORTH CAROLINA SHOALING

******NC – PAMLICO SOUND BRANT ISLAND SHOAL – SHOALING****** (Chart 11548) Shoaling to 3 feet has been reported in the area of the southeast tip of the charted shoal in the vicinity of Brant Island Slue in approximate position 35-10.45N,076-23.05W.

NC – EMERALD ISLE – SWANSBORO COAST GUARD CHANNEL (Chart 11541) Shoaling has been reported to 2.6' in the vicinity of Swansboro Coast Guard Channel Buoy 3A (LLNR 29608) and Swansboro Coast Guard Channel Light 5 (LLNR 29645). NC BNM 219-13

NC – ICW - NEUSE RIVER TO MYRTLE GROVE SOUND - NEW RIVER – CAPE FEAR RIVER (Chart 11541) Shoaling to 2.6 feet has been reported in the vicinity of New River- Cape Fear River Buoy 99A (LLNR 39548). NC BNM 048-15

NC - NEUSE RIVER TO MYRTLE GROVE SOUND – BOGUE INLET (Chart 11541) Shoaling to 4.5 feet has been reported in the vicinity of Bogue Inlet Lighted Buoy 1 (LLNR 29495), and Bogue Inlet Buoys 2 and 3 (LLNR 29500 and 29505). NC BNM 255-14

NC – NEUSE RIVER TO MYRTLE GROVE SOUND - NEW RIVER – NEW RIVER INLET (Chart 11542) Shoaling has been reported to 2 feet in New River Inlet Channel. NC BNM 003-15

NC – CURRITUCK BEACH LIGHT TO WIMBLE SHOALS – OREGON INLET (Chart 12204) Shoaling has been reported to 2 feet in Oregon Inlet Channel near the Bonner Bridge. NC BNM 642-14

NC – NEUSE RIVER TO MYRTLE GROVE – BANKS SLOUGH CHANNEL (Chart 11541) Shoaling has been reported to 0.5 feet in Banks Slough Channel. NC BNM 658-14

NC – CAPE HATTERAS – HATTERAS INLET (Chart 11555) Shoaling has been reported to 3.5 feet in Hatteras Inlet between Hatteras Inlet Channel Buoy 9 (LLNR 28669) and Hatteras Inlet Channel Buoy 12C (LLNR 28733.2). NC BNM 028-15, LNM 06-15

NC – CAPE HATTERAS – SOUTH FERRY TERMINAL – SHOALING (Chart 11555) Shoaling has been reported to 2.6 feet in South Ferry terminal between South Ferry Terminal Lighted Buoy 1SF (LLNR 28699.1) and South Ferry terminal Light 7 (LLNR 28715). NC BNM 031-16, 069-16

NC – ICW - NEUSE RIVER TO MYRTLE GROVE SOUND – BOGUE SOUND - NEW RIVER (Chart 11541)

Shoaling to 3 feet has been reported in the vicinity of Bogue Sound - New River buoys 72A (LLNR 39300), 72B (LLNR 39303) and 74 (LLNR 39305). LNM 06-15

NC – CAPE HATTERAS – HATTERAS INLET (Chart 11555)

Shoaling has been reported to 5 feet in vicinity of Hatteras Inlet Channel Lighted Buoy 13A (LLNR 28735.3) and Hatteras Inlet Lighted Buoy 14 (LLNR 28735.6). NC BNM 340-15

NC – ICW - NEUSE RIVER TO MYRTLE GROVE - RUSSELL SLOUGH (Chart 11541)

Shoaling has been reported to 1 foot in vicinity of Russell Slough Day beacon 6A (LLNR 38467) NC BNM 344-15

NC – CAPE HATTERAS – HATTERAS INLET – SOUTH FERRY TERMINAL

Shoaling has been reported to 2.6 feet in South Ferry terminal between South Ferry Terminal Lighted Buoy 1SF (LLNR 28699.1) and South Ferry terminal Light 7 (LLNR 28715). NC BNM 031-16, 069-16

NC – NEUSE RIVER TO MYRTLE GROVE SOUND – CAROLINA BEACH INLET (Chart 11541)

Shoaling to 2.6 feet has been reported in Carolina Beach Inlet from Carolina Beach Inlet Buoy 1 (LLNR 30265) to buoy 6 (LLNR 30290). NC BNM 659-15, 206-16

NC – OCRACOKE INLET AND NORTHERN CORE SOUND – OCRACOKE INLET – BIG FOOT SLOUGH (Chart 11541)

Shoaling has been reported in Big Foot Slough between Big Foot Slough Day beacon 10A (LLNR 29070) and Buoy 11 (LLNR 29070.3) NC BNM 657-15

NC - MOREHEAD CITY (Chart 11547)

Shoaling has been reported to 10 feet between Buoys 16 – 17 and to 17 feet between buoys 13 and 15. NC BNM 036-16

NC - NEUSE RIVER TO MYRTLE GROVE SOUND – NEW RIVER TO CAPE FEAR RIVER (Chart 11541)

An area of shoaling has been reported IVO of New River – Cape Fear River Buoy 121 (LLNR 39597) in the AICWW St M 280 near Mason Inlet Crossing. ACOE reported a depth of 2.2ft at MLW. Mariners are urged to use caution when transiting this area. NC BNM 357-16

NC – INTRACOASTAL WATERWAY - MYRTLE GROVE SOUND TO LITTLE RIVER (Chart 11534)

Shoaling to 1 foot has been reported in the vicinity of Lockwoods Folly Inlet at Cape Fear River – Littler River Buoy 47 (LLNR 40225) NC BNM 256-16

SUMMARY OF BRIDGE PERMITS, REGULATIONS AND CONSTRUCTION IN THE FIFTH COAST GUARD DISTRICT

(Yellow indicates new item)

CURRENT PROJECTS

Permits:

SECTOR MARYLAND-NATIONAL CAPITAL REGION

- **Maryland** –
Potomac River - Harry Nice Memorial Bridge - MDTA is proposing to replace the bridge with a bridge at a reduced vertical of 106.5 feet above mean high water and a horizontal clearance of 250. The reduction in width would not prohibit any vessel recorded in the past five years from passing and is not anticipated to restrict future vessel traffic. MDTA proposes the design change will help improve traffic conditions in the area. Comments should be address listed on the Public Notice attention (dpb) no later than **October 6, 2016**. Copies of Preliminary Public Notice 5-1365 which describes the proposal in detail can be obtained by calling (757) 398-6227 or by viewing at <http://www.navcen.uscg.gov/?pageName=pnBridges>.
- **Washington DC**
Anacostia River – Frederick Douglass Memorial/South Capitol Street (swing) Bridge – District of Columbia Department of Transportation is proposing to replace the existing drawbridge with a new fixed bridge at essentially the same location. The replacement project will modify the existing vertical and horizontal clearance of the bridge. Presently, in the closed position to vessels, the charted vertical clearance of the existing swing-type bridge is 40 feet above MHW, with unlimited vertical clearance in the full open position. The existing horizontal clearance is two channels of 149 feet each. The proposed replacement will be a fixed bridge that will provide a vertical clearance of 42 feet above MHW with a proposed horizontal clearance of 150 feet.
Virginia (Northern)
Potomac River - Harry Nice Memorial Bridge - MDTA is proposing to replace the bridge with a bridge at a reduced vertical of 106.5 feet above mean high water and a horizontal clearance of 250. The reduction in width would not prohibit any vessel recorded in the past five years from passing and is not anticipated to restrict future vessel traffic. MDTA proposes the design change will help improve traffic conditions in the area. Comments should be address listed on the Public Notice attention (dpb) no later than **October 6, 2016**. Copies of Preliminary Public Notice 5-1365 which describes the proposal in detail can be obtained by calling (757) 398-6227 or by viewing at <http://www.navcen.uscg.gov/?pageName=pnBridges>.

SECTOR DELAWARE BAY

- **Delaware** - None
- **New Jersey (Central & Southern)**
Raccoon Creek – US 130 (fixed) Bridge - proposed new fixed bridge structure to replace (lift) bridge. Permit 2-15-5 signed December 9, 2015.
- **Pennsylvania** - None

SECTOR HAMPTON ROADS

- **Virginia (Southern)**
AICW – Elizabeth River Southern Branch – I-64/High Rise Bridge – VDOT has proposed to replace the existing drawbridge with a new fixed bridge at essentially the same location. The replacement project will modify the existing vertical clearance of the bridge. The charted vertical clearance of the existing bascule bridge in the closed-to-navigation position is 65 feet above MHW with unlimited vertical clearance in the full open position. The proposed replacement will be a fixed bridge that will provide a vertical clearance of 100 feet above MHW. The current horizontal clearance of 125 feet will be maintained for the new fixed bridge.

SECTOR NORTH CAROLINA

- **North Carolina** - None

Regulations:

SECTOR MARYLAND-NATIONAL CAPITAL REGION

- **Washington, DC & Virginia (Northern)** – None

SECTOR DELAWARE BAY

- **Delaware** – None
- **New Jersey (Central & Southern)**
NJICW – Barnegat Bay – SR37 (vertical-lift) Bridge – The CG is temporarily modifying the drawbridge operating schedule between December 1, 2015 and March 31, 2018. Over the span of two and half years, the drawbridge will be closed to navigation for three four-month closure periods in the winter months. Extensive replacement of parts and repairs to the bridge necessitate these closures.
- **Pennsylvania** – None

SECTOR HAMPTON ROADS

- **Virginia (Southern)** - None

SECTOR NORTH CAROLINA

- **North Carolina** - None

Construction, et al:

SECTOR MARYLAND-NATIONAL CAPITAL REGION

- **Maryland**
Susquehanna River – US 40 & I-95/Hayden & Tydings (fixed) Bridges – Foundation and substructure repairs are in progress through 2016.
Susquehanna River – I-95 Millard E Tydings Memorial (fixed) Bridge – Cleaning, painting, and repairs are in

progress through August 2017. During daylight hours Monday through Saturday a barge and crew boat will be working in various locations near the structure and a debris shield will be secured to the lower truss member throughout the bridge but will not affect navigational clearances.

Curtis Creek – I-695 Baltimore Beltway (fixed portions) Bridge – Painting work is scheduled to continue through the fall of 2016. To facilitate the work, a platform will reduce the available vertical clearance outside the channel to 49 feet above MHW.

Choptank River - MD 331/Dover (fixed) Bridge – Construction activities begun on September 16, 2014 and are expected to finish in November 2018. Detailed project information and information concerning the waterway closures will be provided via updated local notice to mariners, broadcast notice to mariners and marine safety information bulletins. Tugs, crane barges, and vessels are operating or stationed in the vicinity of the existing and new bridge. McLean Contracting Company's tugs and vessels are monitoring VHF-FM channel 13 when work is in progress or vessels are operating in the area. The MDSHA project engineer may be contacted at (816) 989-4019 and McLean Contracting Site Supervisor may be contacted at (443) 980-7633. Mariners should use extreme caution when transiting the area. Project Information may be found at: <http://apps.roads.maryland.gov/WebProjectLifeCycle/ProjectSchedule.aspx?projectno=TA392515>

Choptank River - US 50 (Ocean Gateway) Bridge – An underwater inspection will be conducted between August 15, 2016 through October 15, 2016; Monday-Sunday; from 8:30 a.m. to 4:30 p.m. A 25 ft. vessel and divers will be operating under and in the vicinity of the bridge to provide access for inspection. Inspection personnel, equipment and vessels will be outside the navigable channel. The vessel may be reached on VHF-FM channel 13. The project foreman can be reached at (410) 877-5016. Mariners should use caution when transiting the area.

Chester River - S213 (MD 213) Bridge – Bridge will remain in the closed-to-navigation position and the navigational span will be closed to facilitate painting of the bridge. The bridge will remain in the closed position from 8 p.m. September 6, 2016 through 6 a.m. on October 30, 2016. The bridge will not be able to open for emergencies. The bridge will open for vessels on signal during the closure period, if at least 24 hours notice is given. Mariners should use extreme caution when transiting the area.

Chesapeake Bay - US 50 (William Preston Lane, Jr. Memorial Bridge) - An access platform and staircase will be installed on the westbound structure at pier 31 on the north side. The installation of the access platform will occur between August 29, 2016 to October 29, 2016; from 6 a.m. to 4 p.m. A tug and barge will be in and around the vicinity of the bridge during the installation process. Once the access platform is installed, the work party will be transported to and from the scene by a 26' vessel. The vessel will remain on-scene while work is being conducted to serve as a safety platform for the work party. The access platform will be marked at each corner at night with a red light to alert mariners of the structure attached to the pier. A subsequent broadcast notice to mariners will be issued later, on or about October 31, 2018 to inform mariners when the platform is removed. The project foreman can be reached at (410) 375-7121. Mariners are urged to use caution when transiting the area.

- **Washington DC** –

Potomac River - Francis Scott Key (fixed) Bridge - DDOT has completed a design for rehabilitation. This work commenced in May 2015 and is scheduled to continue for two years (OOA May 2017). Most of the work has to do with repairing cracks on the concrete arches, floor beams, piers and abutments, and repairing some deterioration of the underside of the bridge deck.

Potomac River – Washington DC Long Bridge – Maintenance will be performed on the bridge between March 10, 2016 and March 28, 2017. There is no pier work or work over the navigational channel. Mariners should use extreme caution when transiting the area.

Virginia (Northern) - None

SECTOR DELAWARE BAY

- **Delaware** - None

- **New Jersey (Central & Southern)**

Delaware River – Commodore Barry (fixed) Bridge – To facilitate painting, work will continue until 2019. Work platforms will be installed 3 feet beneath the bridge in various locations reducing the vertical clearance to 178 ft. above mean high water at the edge of the navigable channel (187 ft. center of channel). Phase 1 – NJ approach girder and deck truss spans due completion in September 2016. Phase 2 – PA approach girder and deck truss spans, scheduled to commence fall of 2016. Phase 3 – Cantilever truss span, scheduled to commence in 2017 and conclude in 2019. Mariners should exercise caution.

Drag Channel & Great Egg Harbor Bay (GEHB) – Garden State Parkway (fixed) Bridges - Marine work consisting of several activities including but not limited to temporary cofferdam construction, superstructure erection and demolition are in progress through December 2018 for the replacement of the existing southbound bridges and rehabilitation of the northbound bridges. In addition to replacing the southbound causeway, the project includes the demolition of the remaining portions of the Beesely's Point Bridge (US Route 9 over GEHB and Drag Channel). Daily hours of construction operations are Monday through Saturday from 7 a.m. to 5 p.m. with a second shift and 24-hour operations scheduled for specific activities. It is anticipated that closure or reduced horizontal clearance of the navigational channels will be required.

Delaware River - Interstate 276/Delaware River Turnpike Bridge - Repainting and miscellaneous improvements will be performed from mid-November 2015 through December 31, 2017. All work on the bridge superstructure will be performed 7 am to 7 pm during the week and 6 am to 6 pm on the weekends. The overhead work will never occupy more than 55% of the channel and will reduce the vertical clearance by 5 ft. The construction company can be contacted at 856-429-3400. Mariners should use extreme caution when transiting the area.

Tuckahoe River - Route 50/State Highway Bridge - Mariners are advised of continued demolition work. The next stage of demolition work will include removal of the bridge superstructure, abutment walls, fender system and the bascule piers from 7:00 a.m. to 3:30 Monday through Friday, from September 2016 through January 2017. Mariners should adjust their transits accordingly.

Delaware River - I-276 (Delaware River Turnpike) Bridge - Bridge maintenance will be conducted between August 9, 2016 and October 15, 2016; M-F; from 7 a.m. to 3:30 p.m. Repairs to the bridge fender system and pier structure will occur. A crane barge and a 25 ft. work boat will be in and around the vicinity of the bridge. Maintenance personnel, equipment and vessels will be working outside the navigable channel. The work vessels may be reached on VHF-FM channel 13. The project foreman can be reached at (856) 207-3005 and VHF-FM channel 13. Mariners should use caution when transiting the area.

Shark River - SR 35 Bridge - Inspection will be conducted between August 8, 2016 and November 30, 2016; M-F; from 8 a.m. to 6 p.m. A snooper truck will be operating under and in the vicinity of the bridge to provide access for inspection. Inspection personnel, equipment and vessels will relocate from the navigable channel, upon request. The vessel may be reached on VHF-FM channel 13. The project foreman can be reached at (201) 214-7242. Mariners are requested to notify the project foreman at least thirty minutes prior to navigation through the area and should use caution when transiting the area.

Grassy Sound Channel - SR 147 Bridge - Inspection will be conducted between August 8, 2016 and November 30, 2016; M-F; from 8 a.m. to 6 p.m. A snooper truck, two work vessels and a dive team will be operating under and in the vicinity of the bridge to provide access for inspection. Inspection personnel, equipment and vessels will relocate from the navigable channel, upon request. The work vessel may be reached on VHF-FM channel 13. The project foreman can be reached at (201) 214-7242. Mariners are requested to notify the project foreman at least thirty minutes prior to navigation through the area and should use caution when transiting the area.

Delaware River - SR 73 (Tacony-Palmyra) Bridge - The bridge will remain in the closed position from 6 a.m. to 6 p.m.; Monday-Friday; September 12, 2016 through September 16, 2016 and September 19, 2016 through September 23, 2016. The bridge will also remain in the closed-to-navigation position from 7 a.m. to 6 p.m. on alternative work dates from September 26, 2016 through September 30, 2016. The bridge will not be able to open for emergencies and there is no immediate alternative route for vessels to pass. Mariners able to pass under the closed span (50 feet above mean high water) may do so, and all others should adjust their transits accordingly. Mariners should use caution when transiting the area.

- **Pennsylvania –**

Delaware River – Walt Whitman Bridge (I-76) - Painting of the suspension spans and towers will be conducted from October 19, 2015 to March 31, 2018, between 7 a.m. and 5 p.m. daily. A work platform extending 3 feet beneath the lower portion of the bridge will be installed over the entire length of the bridge. The vertical clearance of the bridge will be reduced by 3 feet to approximately 136 feet above MHW. Mariners should use caution when transiting the area.

Delaware River - Interstate 276/Delaware River Turnpike Bridge - Repainting and miscellaneous improvements will be performed from mid-November 2015 through December 31, 2017. All work on the bridge superstructure will be performed 7 am to 7 pm during the week and 6 am to 6 pm on the weekends. The overhead work will never occupy more than 55% of the channel and will reduce the vertical clearance by 5 ft. The construction company can be contacted at 856-429-3400. Mariners should use extreme caution when transiting the area.

Delaware River - I-276 (Delaware River Turnpike) Bridge - Bridge maintenance will be conducted between August 9, 2016 and October 15, 2016; M-F; from 7 a.m. to 3:30 p.m. Repairs to the bridge fender system and pier structure will occur. A crane barge and a 25 ft. work boat will be in and around the vicinity of the bridge. Maintenance personnel, equipment and vessels will be working outside the navigable channel. The work vessels may be reached on VHF-FM channel 13. The project foreman can be reached at (856) 207-3005 and VHF-FM channel 13. Mariners should use caution when transiting the area.

Delaware River - SR 73 (Tacony-Palmyra) Bridge - The bridge will remain in the closed position from 6 a.m. to 6 p.m.; Monday-Friday; September 12, 2016 through September 16, 2016 and September 19, 2016 through September 23, 2016. The bridge will also remain in the closed-to-navigation position from 7 a.m. to 6 p.m. on alternative work dates from September 26, 2016 through September 30, 2016. The bridge will not be able to open for emergencies and there is no immediate alternative route for vessels to pass. Mariners able to pass under the closed span (50 feet above mean high water) may do so, and all others should adjust their transits accordingly. Mariners should use caution when transiting the area.

SECTOR HAMPTON ROADS

- **Virginia (Southern)**

AICW – Elizabeth River Southern Branch – Dominion Blvd Replacement (fixed) Bridge Project – Contractors have installed the permanent beam and construction continues through March 2017. The fixed height is at 95 feet above MHW. The old steel (basculer) bridge spans have been completely removed.

Lynnhaven Inlet – US 60/John A. Lesner (fixed) Bridge – Work is in progress through June 2017 for a new replacement bridge at essentially the same location. The new bridge will have a vertical clearance of 45 feet above MHW, along with a horizontal clearance of 150 feet between face of the fenders. A dredge material placement site will be located southwest of the existing bridge, adjacent to the boat ramp facility and used as a staging area. The contractor will access the lay down and staging area via the waterway through a proposed temporary bulkhead.

North Landing River - S165 Bridge – Bridge has sustained damage and will not be capable of normal operation until **4 p.m. on October 14, 2016**. The north span of the bridge will open-to-navigation on the hour and half hour, upon request, from 6 a.m. to 7 p.m., and on demand from 7 p.m. to 6 a.m. The north span of the bridge will open-to-navigation and the south span of the bridge will partially open-to-navigation, upon request, for scheduled openings at 9:30 a.m. for vessels transiting southeast, 10:30 a.m. for vessels transiting northwest, and noon and 2 p.m. for two-way vessel traffic through the bridge; Monday through Friday through Monday, October 10, 2016.

The north span of the bridge will open-to-navigation and the south span of the bridge will partially open-to-navigation, upon request, for scheduled openings at 9:30 a.m. for vessels transiting southeast and 10:30 a.m. for vessels transiting northwest; Saturday and Sunday through Sunday, October 9, 2016. The north span of the bridge will open-to-navigation and the south span of the bridge will partially open-to-navigation for additional

openings from October 4, 2016 through October 10, 2016, if 48 hours notice is given. The south span of the bridge will be closed-to-navigation during bridge repair from 9 a.m., October 11, 2016, through 4 p.m., October 14, 2016. The horizontal clearance of the bridge with the south span closed-to-navigation is 38 feet and the horizontal clearance of the bridge with south span partially open-to-navigation is 70 feet. The north span of the bridge will open-to-navigation for emergencies. The vertical clearance of the bridge in the closed position is 6 feet above mean high water and vessels able to safely pass through the bridge in the closed position may do so, after receiving confirmation from the bridge tender that it is safe to transit through the bridge. Mariners should use extreme caution when transiting the area.

Diascund Creek - Newport News Waterworks Pipeline bridge – Bridge maintenance will be conducted between July 1, 2016 and January 30, 2017; Monday-Friday; from 7 a.m. to 5 p.m. Repair and rehabilitation of the bridge will occur. A barge and work boats will be in and around the vicinity of the bridge. Maintenance personnel, equipment and vessels will relocate from the navigable channel, upon request. Work vessels may be reached on VHF-FM channel 13. The project foreman can be reached at (757) 621-4930 or (757) 621-4932. Mariners should notify the work foreman no less than thirty minutes prior to navigating through the area and should use caution when transiting the area.

AICW – Elizabeth River Southern Branch - Gilmerton Bridge (US13/460) –Bridge has sustained damage and will not be capable of normal operation until 5 a. m. on September 19, 2016. The bridge will be maintained in the closed-to-navigation position until 5 a.m. on September 19, 2016; except for scheduled openings at 9 a.m., noon, 3 p.m. and 7 p.m., Monday through Friday; and 9 a.m. and 3 p.m. on Saturday and Sunday. The vertical clearance of the bridge is 36 feet above mean high water in the closed position, 136 feet above mean high water in the open position, and 110 feet above mean high water in the open position from 9 p.m. on September 16, 2016 through 5 a.m. on September 19, 2016. The bridge will open on signal for emergency vessels, if at least one hour notice is given. Vessels able to safely pass through the bridge in the closed position may do so. On Saturday and Sunday, September 17, 2016 and September 18, 2016, vessels able to safely pass through the bridge in the closed position should contact the bridge tender to ensure safe passage through the bridge. Mariners should use extreme caution when transiting the area.

James River - SR 156 (Benjamin Harrison Memorial) Bridge - Maintenance will be conducted July 18, 2016 through February 28, 2017; Monday-Friday; from 9 a.m. to 4 p.m. and from 8 p.m. to 6 a.m. Maintenance personnel, equipment will relocate from the moveable span, upon request. The project foreman can be reached at (813) 613-4324 and VHF-FM channel 13. The bridge will have operating restrictions between July and September 2016 that will be published in a separate notice. Mariners should use caution when transiting the area.

James River - SR 156 (Benjamin Harrison Memorial) Bridge - The bridge will remain in the closed position from 8 p.m. to 6 a.m.; Monday-Friday; October 3, 2016 through October 28, 2016. Mariners able to pass under the bridge in the closed position, (50 feet above Mean High Water) may do so, and all others should adjust their transits accordingly. The bridge will open for vessels on signal during scheduled closure period, if at least 10 hours notice is given. The bridge will be able to open for emergencies during scheduled closure periods, if at least 30 minutes notice is given. The project foreman can be reached at (813) 616-4324 and VHF-FM channel 13. Mariners should use caution when transiting the area.

Elizabeth River (Southern Branch) - SR 337 (South Norfolk Jordan Bridge) bridge - Maintenance will be conducted on August 29, 2016 through September 23, 2016; M-F; from 7 a.m. to 5:30 p.m. Repairs to the fender system of the bridge will occur. A side loadable warping tug (90 ft. x 21ft. x 5 ft.) and a 21 ft. work boat will be in and around the vicinity of the bridge. During the maintenance period, the horizontal clearance will be reduced to 240 ft. Maintenance personnel, equipment and vessels will relocate from the navigable channel, upon request. Vessels that can safely transit through the reduced horizontal clearance may do so at any time. Work vessels may be reached on VHF-FM channel 13. The project foreman can be reached at (252) 655-1243 and VHF-FM channel 13. Mariners should notify the work foreman no less than thirty minutes prior to navigating through the area and should use caution when transiting the area.

Carter Creek - SR 3 (Route 200) bridge -Maintenance will be conducted September 19, 2016 through May 3, 2017; 24 hours a day; 7 days a week. The vertical clearance of the bridge will be reduced to approximately 17 feet above mean high water. A work platform will be attached to the underside of the bridge. Quick flashing red lights will be positioned to mark the bottom of the work platform used under the bridge. Legible signs will be erected on the existing fender system for awareness of reduced vertical clearance. Maintenance personnel, equipment will not be able to relocate from the navigable channel, upon request. The project foremen can be reached at (410) 299-0586 or (410) 913-4028 and may be reached on VHF-FM channel 13. Mariners should use caution when transiting the area.

Rappahannock River - US 360 (Downing Bridge) bridge - Maintenance will be conducted September 19, 2016 through May 3, 2017; 24 hours a day; 7 days a week. The vertical clearance of the bridge will be reduced to approximately 47 feet above mean high water. A work platform will be attached to the underside of the bridge. Quick flashing red lights will be positioned to mark the bottom of the work platform used under the bridge. Legible signs will be erected on the existing fender system for awareness of reduced vertical clearance. Maintenance personnel, equipment will not be able to relocate from the navigable channel, upon request. The project foremen can be reached at (410) 299-0586 or (410) 913-4028 and may be reached on VHF-FM channel 13. Mariners should use caution when transiting the area.

James River - James River Bridge (US 17 and VA 258) - Bridge will undergo maintenance and repairs to the aerial electrical cable connecting the north tower to the south tower and will be maintained in the closed-to-navigation position between 5 a.m. and 7 p.m. from September 19, 2016 through September 30, 2016; with alternate dates from October 1, 2016 through October 16, 2016. During closure periods the bridge will not be able to open for emergencies and a 55-foot by 150-foot crane barge will be positioned alongside the bridge at various locations within the main navigation span of the bridge with the centerline of the barge perpendicular to

the bridge. The vertical clearance of the bridge in the closed position is 60 feet above mean high water. The horizontal clearance of the main navigation span of the bridge with the crane barge alongside the bridge will vary from approximately 145 feet to 290 feet. Vessels able to safely pass through the bridge in the closed position with the crane barge positioned alongside the bridge may do so at anytime. Vessels planning to transit through the bridge in the closed position with the crane barge positioned alongside the bridge shall contact the bridge tender to request information concerning the position of the crane barge to ensure safe passage. Vessels able to safely pass through the bridge in the closed position that require the crane barge to clear the main navigation span of the bridge, may do so at 12 noon, daily, if at least 2 hours advance notice is given to the bridge tender. Vessels unable to pass through the bridge in the closed position with the crane barge positioned alongside the bridge should adjust their voyage plans to transit through the bridge between 7 p.m. to 5 a.m. from September 19, 2016 through September 30, 2016; with alternate dates from October 1, 2016 through October 16, 2016. The bridge will open on signal for vessels that require an opening of the bridge and are unable to transit through the bridge during non-closure times due to draft and/or daylight restrictions or limitations, if notice is provided by 5 p.m. the day before the required bridge opening. The bridge will operate in accordance with 33 CFR 117.5 between 7 p.m. to 5 a.m. from September 19, 2016 through September 30, 2016; with alternate dates from October 1, 2016 through October 16, 2016. Mariners should use extreme caution when transiting the area.

SECTOR NORTH CAROLINA

- **North Carolina**

Gallants (Beaufort) Channel – US 70/Grayden Paul (fixed) Bridge – Work is in progress through May 31, 2017 for construction of a high-level fixed bridge relocated between Radio Island and Michael J Field in Carteret County. When completed, the new high-level fixed bridge will have a vertical clearance of 65 feet above MWH, along with a horizontal clearance of 100 feet between pile bents. The construction operation will include in-water work involving pile driving, concrete placement, girder setting, and concrete deck installation with post tensioning. Tugboats and barges will be used and will monitor VHF channel 13 in the event that mariners need to contact the contractor. Waterway closures are being planned.

Cape Fear River – Wilmington Bypass (fixed) Bridge – Construction of new highway bridge in Brunswick and New Hanover Counties, NC. When completed, the Cape Fear River Bridge will have a vertical clearance of 64 feet at mean high water and a horizontal clearance of 160 feet. Work barges and structures will be located along the sides of the waterway through December 2016. The channel shall remain open to navigation.

Oregon Inlet - Herbert C. Bonner Bridge – Construction activities for the replacement bridge will begin on March 7, 2016 and are expected to finish on August 30, 2019. Work will be on-going 24-hours per day, seven days a week. Detailed project information and information concerning waterway closures will be provided via updated local notice to mariners, broadcast notice to mariners and marine safety information bulletins. Tugs, crane barges, material barges, support vessels and crew boats will be operating or stationed in the vicinity of the existing and new bridge. A work trestle/loading dock will be constructed approximately 200 yards south of the southeastern end of the existing Bonner Bridge, on the southwest side of South Point in Pamlico Sound, extending 150 feet southwesterly from the shoreline and terminate at approximately 35.766 N, 75.526 W. Running parallel to the dock will be a 245 foot breast-line comprised of eight 36-inch hollow pipe piles spaced fifty feet apart, to be used for mooring purposes. The breast-line will begin near shore and terminate at approximately 35.765N, 75.527 W. Each pile will be lit by a flashing white light. PCL Civil Constructors tugs and vessels will monitor VHF-FM channels 13 and 16 when work is in progress or vessels are operating in the area. The NCDOT Resident Engineer may be contacted at (252) 473-3637 and PCL Civil Constructors may be contacted at (252) 423-3093. Project information may be found at

<http://www.ncdot.gov/projects/bonnerbridgereplace/>.

Croatan Sound - US 64/US 264 (William B. Umstead Memorial) Bridge - Maintenance will be conducted between May 24, 2016 and September 30, 2016; Monday-Friday; from 7 a.m. to 5 p.m. Replacement of the bridge fender system will occur. Two barges with several small floats will be in or the vicinity of the bridge. Maintenance personnel, equipment and vessels will relocate from the navigable channel, upon request. The project superintendent and work vessels may be reached on VHF-FM channel 13 or (910)-340-3666. Mariners should notify the project superintendent no less than one hour prior to navigation through the bridge and use caution when transiting the area.

FUTURE PROJECTS:

Permits/Construction:

- **Maryland**

Potomac River - Theodore Roosevelt (fixed) Bridge - DDOT is conducting an investigation and assessment of the bridge, which will be completed winter of 2015. They'll assess structural condition, needs for extended life cycle, and safety compliance improvements. Then will do a design analysis of alternatives with construction in the future (no date given).

- **Washington, DC** –

Anacostia River – 11th Street Bridge Park – Proposed fixed pedestrian bridge park to be built on retained substructure of old 11th Street Bridge.

- **Virginia (Northern)** - None

- **Delaware** – None

- **New Jersey (Central & Southern)** – None

- **Pennsylvania** – None

- **Virginia (Southern)** – None

- **North Carolina**

Mid-Currituck Sound (fixed) Bridge – Proposed new fixed structure in final review of the design.

Perquimans River – US 17 business (fixed) Bridge – Proposed new fixed bridge structure to replace (swing) bridge in final review of the design and environmental package.

Alligator River – US 64 (fixed) Bridge Proposed new fixed bridge structure to replace (swing) bridge in final review of the design and environmental package.

Atlantic Intracoastal Waterway – SR 50 Sears Landing Surf City (fixed) Bridge Proposed new fixed bridge structure to replace (swing) bridge in final review of the design and environmental package.

Cape Fear River – Wilmington bypass south (fixed) Bridge Proposed new fixed bridge structure in review of the design and environmental package.

Straits Waterway - Harkers Island Bridge – Proposed new fixed bridge structure to replace existing swing span bridge (Bridge No. 73).

Regulations:

- ***Maryland*** – None
- ***Washington, DC*** – None
- ***Virginia (Northern)*** – None
- ***Delaware*** – None
- ***New Jersey (Central & Southern)*** – None
- ***Pennsylvania*** –
Delaware River – Conrail Railroad Bridge (Delair, NJ) – Remote Operation Test Deviation.
Coast Guard currently evaluating incorporation of AIS into the bridge remote operations system.
- ***Virginia (Southern)*** - None
- ***North Carolina*** – None

SUMMARY OF DREDGING/MARINE CONSTRUCTION PROJECTS CURRENTLY IN PROGRESS

PA/NJ – DELAWARE RIVER – NAVAL RESERVE BASIN AND FT. MIFFLIN – DREDGING (Charts 12312, 12313)

The Great Lakes Dredge and Dock Company Dredge 54 will be conducting dredging operations in the Naval Reserve Basin; scows will be transporting the material to Ft. Mifflin for hydraulic offloading. Operations will be conducted between August and **October 2016**. Questions or additional information please contact Timothy Kremer, 630-750-5640. Ref LNM 30/16

DE/NJ – DELAWARE RIVER - TINICUM ISLAND, EDDYSTONE, CHESTER AND MARCUS HOOK RANGES - DREDGING AND ROCK REMOVAL - MAIN CHANNEL DEEPENING (Chart 12312)

Great Lakes Dock and Dredge Company will be dredging and blasting between the Tinicum Range and Marcus Range until **15 March 2017**. For questions or comments contact Timothy J. Kremer, 630-750-5640, TJKremer@gldd.com. Ref LNM 27/16

DE – DELAWARE RIVER - CHRISTINA RIVER - WILMINGTON HARBOR – DREDGING (Chart 12311)

The dredge ESSEX will be conducting dredging operations in the Wilmington Harbor in the Christina River from July 16 until **September 30 2016**. Traffic should call the dredge ESSEX 30 minutes prior to expected time of passage to make passing arrangements. Hours of work are 24 hours a day, 7 days a week. Mariners can contact the dredge ESSEX on VHF-FM channel 13 or 16 for information.

PA – DELAWARE RIVER – MARCUS HOOK, PA – DOCK CONSTRUCTION (Chart 12312)

Commerce Construction Corporation crane barge SAMSON will be performing dock construction work on the Sunoco logistics dock #1A in the Delaware River at the Marcus Hook industrial complex, Marcus Hook, PA. Work is expected to be completed on or about **30 June, 2017**. Ref LNM 05/16

PA – DELAWARE RIVER – CRITICAL LIFT OPERATIONS (Chart 12312)

Mariners are advised that the crane barge SAMSON will be conducting critical lift operations in the Delaware River, in Marcus Hook, PA from February until **30 June, 2017**. Ref LNM 08/16

PA/NJ – DELAWARE RIVER – DREDGING OPERATIONS (Chart 12313)

Charter Contracting will be performing mechanical dredging operations in the Delaware River, at GP Gypsum Corporation, in Camden, NJ from July 1, 2016 to **February 28, 2017**. A 48ft by 125ft deck barge with excavator and clamshell bucket, 2 hopper scows, 1 push boat, and 1 work boat will be in the vicinity. Ref LNM 26/16

******NJ – BARNEGAT BAY - OYSTER CREEK CHANNEL – DREDGING****** (Chart 12323)

Barnegat Bay Dredging Company will be conducting dredging operations in Oyster Creek Channel, in Ocean Township, NJ from September 8 to **October 1, 2016**. Dredge Fullerton will be conducting dredging between Oyster Creek Channel Buoy 37 (LLNR 1080) and Oyster Creek Channel Buoy 41 (LLNR 1097). Some aids to navigation buoys may be removed.

******NJ – SANDY HOOK TO LITTLE EGG HARBOR - SHARK RIVER – DREDGING***** (Chart 12324)

Mobile Dredging and Pumping will be conducting dredging of the main navigational channel in the Shark River, near Neptune City, NJ, from September 6 through **October 7, 2016**, from 7 a.m. to 7 p.m. on Mondays through Fridays. From Fridays 7 p.m. through Mondays at 7 a.m. the channel will be open but with on-going active dredging operations. The Coast Guard is establishing a Safety Zone that will close the main navigational channel at these times on all the navigable waters on the Shark River from latitude 40° 10' 53.2579"n, longitude 074° 01' 52.6231"w, bounded by the eastern side of the channel and the western side of the channel, north, to latitude 40° 11' 21.0139"n, longitude 074° 01' 53.1749w. Transiting or anchoring within this portion of Shark River during these times is prohibited. Vessels are requested to contact the dredge via VHF-FM channel 6, 13 or 16 to make satisfactory passing arrangement. Ref LNM 37/16

NJ- LITTLE EGG INLET TO HEREFORD INLET - GREAT EGG HARBOR INLET (Chart 12316, 12318)

Great Lakes Dredging Company is currently demobilizing dredging equipment and dredge pipeline from Great Egg Harbor Inlet borrow area, off the coast of Peck Beach in Ocean City. During demobilization a portion of the pipeline was found shoaled in and covered with bottom sediment. The pipeline location begins 2658ft from the Peck Beach ocean front beginning at point 39d 16' 57"N, -074d 32' 41"W, then east to 39d 16' 56"N, -74d 32' 26W, then east to 39d 16' 54"N, -074d 32' 16"W, then ending north east at point 39d 17' 1"N, -074d 32' 8"W. The pipeline covered in shoal sediment has approximately 5-6ft depth at MLLW.

NJ – BARNEGAT INLET TO LITTLE EGG INLET – BEACH FILL OPERATIONS (Charts 12323, 12324)

Great Lakes Dredge and Dock Company Dredges Dodge Island, Padre Island and Liberty Island will be conducting beach fill operations in the area of Barnegat Inlet to Little Egg Inlet, NJ from April to **September 2016**. Material will be dredged from a borrow area approximately 3 NM offshore of Harvey Cedars and pumped directly to shore using multiple pipelines. Ref LNM 16/16

NJ – GREAT EGG HARBOR BAY – DRAG CHANNEL - BRIDGE CONSTRUCTION & DEMOLITION UPDATE (Chart 12316)

Mariners are advised that marine work consisting of several activities including but not limited to temporary cofferdam construction, superstructure erection and demolition are in progress through **December 2018** for the replacement of the existing southbound bridges carrying the Garden State Parkway, and rehabilitation of the northbound bridges carrying the Garden State Parkway. Ref LNM 03/16

NJ – GREAT EGG HARBOR INLET – GREAT EGG HARBOR – TUCKAHOE RIVER (Chart 12318)

Mariners are advised of the continued demolition work at the Route 50/State Highway Bridge, at mile 8.0, across Tuckahoe River between Corbin City and Upper Township NJ. Demolition work will include removal of the bridge superstructure, abutment walls, fender system and the bascule piers, work will be conducted from 7:00 a.m. to 3:30 Monday through Friday until **January 2017**.

******NJ – GREAT CHANNEL - STONE HARBOR – DREDGING****** (Chart 12316)

Stevenson Environmental Services will be conducting dredging operations in the Great Channel, in Stone Harbor, NJ from September 20, 2016 through **January 26, 2017**. Dredging will be located in the South Basin, Snug Harbor, Stone Harbor, Pleasure Bay, Carnival Bay, Sanctuary Bay, Paradise Bay, Stone Harbor Hole, and access channels. Dredging is being completed with a mechanical dredge, 24 hours a day, 7 days a week. Ref LNM 37/16

MD – SUSQUEHANNA RIVER – CONOWINGO RESERVOIR – CONSTRUCTION (Chart 12274)

Old Dominion Electric Corporation will commence construction of the Wildcat Point Generation Facility water intake/discharge infrastructure within the Conowingo Reservoir starting on 18 January, 2016, with construction expected to last approximately **30 September, 2016**. Ref LNM 02/16

MD – CHESAPEAKE BAY – APPROACHES TO BALTIMORE HARBOR - PIER FACILITY REHABILITATION (Chart 12278)

Marine Technologies Inc will be conducting crane pier facility rehabilitation on Hart Miller Island from 8 Aug to **22 Oct 2016**, in approximate position 39.1426.62N, 76.2151.89W. Work will be conducted from two Spud Barges during daylight hours. Dustin Hawley, Project Manager, 443-388-0224, 24/7.

MD – BALTIMORE HARBOR – DREDGING (Chart 12281)

On behalf of the Maryland Port Administration a contractor will be conducting dredging operations at the Fairfield Marine Terminal between Piers 3 and 4 between Jul and **Oct 2016**. Please contact Maura Morris, Project Manager at 410-729-8369 for questions or additional information.

MD – CHOPTANK RIVER ROUTE 331 DOVER ROAD – BRIDGE REPLACEMENT (Chart 12268)

Mclean Contracting Corporation will commence construction a new bridge just south of the existing Dover Road Route 331 Bridge until **November 2017**. Ref LNM 39/14

MD – CHESAPEAKE BAY – WICOMICO RIVER - HORIZONTAL DIRECTIONAL BORING (Chart 12261)

Delmarva Power & Light Company will be horizontally directionally boring a minimum of 20 feet under the Wicomico River to install electric utility conduits. Entrance and exit location on the south-side of the Wicomico River is at the City of Salisbury Pumping Station and on the north-side of the Wicomico River, east of Hess Road, Salisbury, MD. September 6 to **November 30, 2016**. Please call Chuck Reed, DPL Environmental Planning at 302-283-6076 with any questions. Ref LNM 34/16

DC – UPPER POTOMAC RIVER/WASHINGTON CHANNEL (Chart 12289)

Dockside demolition/bulkhead repair until **December, 2020**. Ref: LNM 12/14

******DC – POTOMAC RIVER - WASHINGTON HARBOR – FRANCIS SCOTT KEY BRIDGE – REPAIRS****** (Chart 12289)

DC DOT repairs to the existing US-29/Francis Scott Key Bridge (also known as the Key Bridge), across the Potomac River at mile 113. Work will begin on September 20, 2016, Mondays through Fridays, from 7 a.m. to 5 p.m. The two-year rehabilitation project includes spalling and spot-repairing the concrete bridge piers, re-surfacing the bridge deck, and installing a fiberglass jacket at the footer of each pier. 40 ft x 80 ft deck barges will be positioned (spudded) next to the bridge piers, within the 200-ft wide span, at all times. Ref LNM 35/16

VA – CHESAPEAKE BAY – YORK RIVER – TEMPORARY MOORING BUOYS (Chart 12241)

Corman Marine established twelve temporary mooring buoys on the York River to support the construction of a new outfall and diffuser for the Hampton Roads Sanitation District Yorktown Water Treatment Plant. Ten of the buoys will be north of the York River Channel, south of Allens Island. The two buoys south of the channel located west of the northern entrance to Goodwin Thorofare Channel. All buoys are white with a blue stripe, and outfitted with a slow flashing white light. Ref LNM 26/16

VA – JAMES RIVER – JAMESTOWN ISLAND TO JORDAN POINT - DREDGING (Chart 12251)

The Cottrell Dredge Marion will be conducting dredging operations on the James River between James River Channel Lighted Buoy 57 (LLNR 12200) and Lighted Buoy 66 (LLNR 12250) from 12 August to **30 October 2016**.

VA – JAMES RIVER/NEWPORT NEWS SHIPBUILDING WATERFRONT (Chart 12248)

Dredging – Dredge MOBRO 112 – **Until further notice**. Ref: LNM 14/14.

VA – ATLANTIC INTRACOASTAL WATERWAY (AICW) – NORFOLK HARBOR TO ALBEMARLE SOUND (Chart 12253)

Dominion Steel Bridge (Rt.17) Replacement; construction ongoing until **February, 2017**. Ref: LNM 07/13.

VA – CHESAPEAKE BAY – ELIZABETH RIVER – MIDTOWN TUNNEL CONSTRUCTION (Chart 12253)

SKW Constructors construction operations of new Midtown Tunnel, channel restrictions, temporary buoys established, barge traffic. **Until further notice**. Ref LNM 33/14, 33/15

******VA – ELIZABETH RIVER – LAMBERTS BEND REACH – DREDGING****** (Chart 12253)

The Dredge Lexington will be conducting dredging operations within the Elizabeth River Channel, Lamberts Bend Reach between Elizabeth River Channel Lighted Buoy 25 (LLNR 9710) and Elizabeth River Channel Lighted Buoy 30 (LLNR 9735) and within the Navy Deperming Station (on the west side of the channel). 1 Sep through **1 Nov 2016**. Ref LNM 36/16

VA – CHESAPEAKE BAY – LITTLE CREEK INLET – DEMOLITION AND REPAIR Work (Chart 12254)

The U.S. Navy is currently conducting demolition and repair work to the ramp adjacent to and East of the entrance jetty to Joint Expeditionary Base Little Creek, VA., until **November 2016**. Ref LNM 52/15

VA – CHESAPEAKE BAY – CAPE CHARLES TO WOLF TRAP – DREDGING OPERATIONS (Chart 12224)

The dredge Rockbridge will be conducting dredging operations in the Cherrystone Inlet Channel from the Cape Charles City Lighted Buoy 1CC (LLNR 21450) to Cape Charles City Light 4 (LLNR 21470) from July 18 through **October 15, 2016**, 24 hours a day, seven days a week. Ref LNM 29/16

VA – CHESAPEAKE BAY – CAPE CHARLES TO WOLF TRAP – DREDGING (Chart 12224)

The Saxton will be conducting dredging operations in the Cherrystone Inlet Channel of the Cape Charles City Channel between Cape Charles City Lighted Buoy 1CC (LLNR 21450) and Cape Charles City Light 4 (LLNR 21470). The dredge will conduct operations from 1 June through **September 15, 2016**. The dredge Rockbridge monitors VHF channels 13 and 16. Dredging operations will be conducted twenty-four (24) hours a day seven (7) days a week. Ref LNM 20/16

VA/NC – CAPE HENRY TO PAMLICO SOUND – INCLUDING ALBEMARLE SOUND - BRIDGE CONSTRUCTION (Chart 12205)

An engineering firm, on behalf of the North Carolina Department of Transportation (NCDOT), will be constructing a new bridge to replace the Herbert C. Bonner Bridge across the Oregon Inlet, at mile 0.9, Dare County, NC. Construction activities will begin on March 7, 2016 and are expected to finish on **August 30, 2019**. Ref LNM 09/16

NC – BEAUFORT INLET- DREDGING (Chart 11547)

The DUTRA Group will conduct dredging operations in Beaufort Inlet between 15 June and **15 Sept 2016**. The project includes the dredging of Range A and Range B. Dan Marine Towing will be operating the tug COLONEL along with the barge PAULA LEE and 2 dump scows 24/7. For questions involving dredge operations please call (415) 717-7214. Ref LNM 23/16

NC – GALLANTS CHANNEL – BRIDGE CONSTRUCTION (Chart 11545)

Take caution and proceed slowly when approaching the construction site of the New Gallant's Channel Fixed Bridge, over the Gallants Channel in Beaufort, NC. All vessel traffic can expect delays and should adjust voyage plans accordingly. The Orion Marine Construction onsite work supervisor can be contacted on VHF channel 13 and telephone at (813) 334-0208. Ref LNM 12/16

NC – MOREHEAD CITY HARBOR- MOREHEAD CHANNEL – DREDGING (Chart 11547)

25 Jul to **31 Oct 2016**. Dredge DB PAULA LEE and vessels Trojan and Colonel will also be on scene, all vessels will monitor Channels 12, 14, and 82. For further information contact Brad Shoffit (415)-519-4262 or Joe Dunlap (415) 302-8709.

NC - PERQUIMANS RIVER - HERTFORD - NC - BRIDGE CONSTRUCTION (Chart 12205)

Construction repairs to the fender system on the Route 17 Bridge crossing the Perquimans River in Hertford, NC. The repairs are to the fender system and anticipated to take place between January 4, 2016 and **August 30, 2016**. Ref LNM 49/15

******NC – CAPE FEAR RIVER – DREDGING****** (Chart 11537)

Starting approximately 1 October and continuing until approximately 15 December 2016 the hopper dredge R.N. Weeks will perform maintenance dredging in the Cape Fear River, Baldhead Shoal Channel Reach 3, Battery Channel and Southport Channel. The dredge will monitor marine VHF channels 13 and 16. Project Manager Mr. Matt Henry - (985) 237-5050, mthenry@weeksmarine.com or Mr. Levi Bradley (985) 705-5668, <mailto:rlbradley@weeksmarine.com>. Ref LNM 38/16

SUMMARY OF MARINE EVENTS AND FIREWORKS DISPLAYS IN THE FIFTH COAST GUARD DISTRICT

******MD – FENWICK ISLAND TO CHINCOTEAGUE ISLAND – OCEAN CITY INLET - REGULATED AREA******

The annual "Ocean City Offshore Grand Prix" is scheduled to occur in the North Atlantic Ocean during **October 8-9, 2016**, between 10 a.m. and 5 p.m. both days. Approximately 40 high-speed offshore power boats (21-50 feet in length) will compete on a marked, closed race course located adjacent to the beach area at Ocean City, MD. As described in the Table to 33 CFR Sections 100.501, a regulated area is established for all waters of the Atlantic Ocean commencing at latitude 38°20'06.33" N. longitude 075°04'39.09" W., thence east to latitude 38°20'03.75" N. longitude 075°04'27.46" W., thence north and parallel to Ocean City shoreline to latitude 38°21'32.00" N. longitude 075°03'46.57" W.; thence west to shoreline at latitude 38°21'34.58" N. longitude 075°04'00.95" W.; thence south to the point of origin. A buffer area, 500 yards in all directions surrounding the perimeter of a Race Area or Marine Event Area within the Regulated Area, is a neutral zone. The purpose of a buffer area is to minimize potential collision conflicts with marine event participants or race boats and spectator vessels or nearby transiting vessels. This area includes all waters of North Atlantic Ocean commencing at a point near the shoreline at latitude 38°21'52" N. longitude 075°04'09" W., thence east to latitude 38°21'44" N. longitude 075°03'21" W., thence southwest and parallel to Ocean City shoreline latitude 38°19'47" N. longitude 075°04'15" W., thence west to the shoreline at latitude 38°19'55" N. longitude 075°04'57" W. A spectator area is designated within all waters of North Atlantic Ocean commencing at latitude 38°20'01" N. longitude 075°04'08.4" W., thence east to latitude 38°19'58" N. longitude 075°03'57" W., thence north and parallel to Ocean City shoreline to latitude 38°21'26" N. longitude 075°03'16" W.; thence west to shoreline at latitude 38°21'29" N. longitude 075°03'27.8" W., thence south to the point of origin. Vessel operation is restricted to operate at No Wake Speed. Spectators are only allowed inside the Regulated Area if they remain within a designated spectator area. Spectators may contact the Coast Guard Patrol Commander to request permission to either enter the Spectator Area or pass through the Regulated Area. If permission is granted, spectators may enter the Spectator Area or must pass directly through the Regulated Area as instructed by PATCOM at safe speed and without loitering. All coordinates reference datum NAD 83. This Regulated Area will be enforced from 9:30 a.m. to 5:30 p.m. on October 8, 2016 and from 9:30 a.m. to 5:30 p.m. on October 9, 2016. The Coast Guard Patrol Commander or designated marine event patrol may forbid and control the movement of all vessels in the Regulated Area. The Coast Guard Patrol Commander and designated marine event patrols may be contacted on marine band radio VHF-FM channel 16. When hailed or signaled by an official patrol vessel, a vessel in the area shall immediately comply with the directions given. Failure to do so may result in expulsion from the area, citation for failure to comply, or both. The Coast Guard may be assisted in the patrol and enforcement of this area by federal, State and local agencies. For any comments or questions contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693. Chart 12211

******MD – CHESAPEAKE BAY – APPROACHES TO BALTIMORE HARBOR – BALTIMORE HARBOR – REGULATED AREA******

The 2016 Baltimore Air Show is scheduled to occur over the Patapsco River at Baltimore, MD during **October 15-16, 2016**, between 12 Noon and 5 p.m. The event includes air show arrivals and practices during October 13-14, 2016, between 12 Noon and 5 p.m. As described in 33 CFR 100.501, a regulated area is established for all waters of the Patapsco River, within an area bounded by a line connecting position latitude 39°16'00" N., longitude 076°36'30" W.; thence east to latitude 39°16'00" N., longitude 076°33'00" W.; thence south to latitude 39°14'30" N., longitude 076°33'00" W.; thence west to latitude 39°14'30" N., longitude 076°36'30" W.; thence north to point of origin, located between Port Covington and Seagirt Marine Terminal, Baltimore, MD. The effect will be to restrict vessel traffic on the Patapsco River and its tributaries. The regulated area will be enforced each day, from 11 a.m. to 6 p.m., during October 13-16, 2016. At no time will spectators be permitted to obstruct the federal navigation channel outside the regulated area. A designated spectator area is located northward of, and immediately adjacent to, the marked aerobatics show box. This spectator area includes all waters of Patapsco River located between the north boundary defined by a line drawn from the vicinity of North Locust Point Marine Terminal, Pier 1 thence east to Canton Industrial area, Pier 5; the south boundary is defined by a line drawn from vicinity of Whetstone Point thence east to Lazaretto Point. This area is located generally where Northwest Harbor, East Channel joins Patapsco River, Fort McHenry Channel, near Fort McHenry National Monument, Baltimore, MD. This area is bound by a line to the north commencing at position latitude 39°16'01" N., longitude 076°34'46" W.; thence east to latitude 39°16'01" N., longitude 076°34'09" W.; and bound by a line to the south commencing at position latitude 39°15'39" N., longitude 076°35'23" W.; thence east to latitude 39°15'26" N., longitude 076°34'03" W. This spectator area is restricted to certain vessels as described in § 100.501 paragraph (g) (2). Only commercial small passenger vessels holding a valid Certificate of Inspection regulated under 46 CFR subchapters K and T (46 CFR §§114.110, and 175.110) will be authorized within this designated on-water spectator area. Vessels that meet the requirements of this section may request access to the Patapsco River spectator area by contacting the Sail Baltimore at (410) 522-7300 or email info@sailbaltimore.org to obtain a vessel spectator area application. Vessel spectator area applications shall be submitted no later than 10 calendar days prior to the event date. Applicants will be notified by the Captain of the Port or representative regarding status of applications and further instructions. All vessels shall contact the Patrol Commander on VHF-FM channels 16 or 22A prior to transiting to the spectator area to confirm entry approval. Vessels approved for spectator area access shall follow the instructions issued by the Patrol Commander when entering the regulated area, including remaining at least 100 yards from commercial waterfront facilities and piers. The regulations for this event will restrict access to some of the anchorage grounds listed at 33 CFR §110.158, Baltimore Harbor, MD, specifically (1) Anchorage No. 1, (2) Anchorage No. 2, (3) Anchorage No. 3 Upper, and (4) Anchorage No. 3 Lower. An aerobatics show box is located within the regulated area. This area generally encompasses the eastern part of the Patapsco River-Middle Branch, south of Fort McHenry National Monument, and is bound by a line connecting the following points: commencing at position latitude 39°15'43.7" N., longitude 076°35'55.6" W.; thence east to latitude 39°15'18.8" N., longitude 076°33'26.4" W.; thence south to position latitude 39°14'52.7" N., longitude 076°33'33.7" W.; thence west to latitude 39°15'17.6" N., longitude 076°36'02.8" W; thence to point of origin. Several unlit, floating information and regulatory marks (white and orange) will be established along the boundary of the aerobatics box located within the regulated

area. In addition, three large orange inflatable floating markers will be established within the aerobatics box to assist air show performers. All coordinates reference (Datum NAD 1983). The Patrol Commander or designated marine event patrol may forbid and control the movement of all vessels and persons in the regulated area. When hailed or signaled by an official patrol vessel, a vessel or person in the regulated area shall immediately comply with the directions given. Failure to do so may result in expulsion from the area, citation for failure to comply, or both. The operator of any vessel in the regulated area shall: (i) Stop the vessel immediately when directed to do so by any Official Patrol and then proceed only as directed, (ii) All persons and vessels shall comply with the instructions of the Official Patrol, (iii) When authorized to transit the regulated area, all vessels shall proceed at the minimum speed necessary to maintain a safe course that minimizes wake while within the regulated area. The Patrol Commander or designated marine event patrol on Marine Band Radio, VHF-FM channel 16 (156.8 MHz). Updates on the status of the regulated area will be made via Broadcast Notice to Mariners over VHF-FM marine band radio. Patrol Commander means a commissioned, warrant, or petty officer of the U. S. Coast Guard who has been designated by the Commander, Coast Guard Sector Maryland-NCR. Official Patrol means any vessel assigned or approved by Commander, Coast Guard Sector Maryland-NCR with a commissioned, warrant, or petty officer on board and displaying a Coast Guard ensign. Marine Event Patrol means any vessel assigned by the Coast Guard, as described in 33 CFR §100.40, to patrol the event. Vessels or persons violating the regulation may be liable pursuant to 33 U.S.C. 1236. The maximum civil monetary penalty for violation of 33 U.S.C. 1236 is found at 33 CFR 27.3 (Penalty Adjustment Table). Questions about this notice should be addressed to the Coast Guard Sector/Captain of the Port Maryland-National Capital Region, Waterways Management Division, at telephone (410) 576-2674 or (410) 576-2519, or email D05-DG-SectorMD-NCR-MarineEvents@uscg.mil. Chart 12281

MD – CHESAPEAKE BAY – APPROACHES TO BALTIMORE HARBOR – PATAPSCO RIVER – SAILING REGATTA

An annual sailboat race is scheduled to occur in the Patapsco River on **October 8, 2016**, from 11 a.m. to 5 p.m. Approximately 45 sail boats (20 to 50 feet in length) will compete on a designated course located between Fort Carroll and Inner Harbor Piers 1 and 3 at Baltimore, MD. The sail race will start at 12 Noon. More information can be obtained at website: www.ussconstellationcup.org. Interested mariners may contact the 2016 USS Constellation Cup Race Committee on marine band radio VHF-FM channel 72. For any comments or questions contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693. Charts 12278, 12281

MD – CHESAPEAKE BAY – BALTIMORE HARBOR – SAILING REGATTA WEEKLY SERIES

The annual sailboat racing weekly series is scheduled to occur in Baltimore Harbor each Tuesday evening, from April 12 through **October 18, 2016**, from 6 p.m. to 9 p.m. Approximately 25 sail boats in three fleets (25 to 40 feet in length) will compete in a single race on a designated course located between the Francis Scott Key (I-695) Memorial Bridge and the Fort McHenry National Monument and Historic Shrine at Baltimore, MD. More information can be obtained at the Baltimore City Yacht Association's (BCYA) website: www.bcyacom. Interested mariners may contact the BCYA Race Committee on marine band radio VHF-FM channel 72. For any comments or questions contact Coast Guard Sector Maryland – National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693. Chart 12281

******MD – CHESAPEAKE BAY – CHESTER RIVER – ROCK HALL HARBOR – SWIM EVENT******

The swim portion of the "Watermans Triathlon" is scheduled to occur in Rock Hall Harbor during **October 1-2, 2016**, between 8 a.m. and 10 a.m. both days. Several hundred swimmers will compete on a marked 750-meter course (two laps on Saturday at 8 a.m. and one lap on Sunday at 9 a.m.). Yellow triangular buoys will mark swim course turns and orange buoys will mark course straight-aways. Swimmers will be supported by sponsor-provided watercraft. Official patrol vessels on scene can be contacted on marine band radio VHF-FM channel 16. For any comments or questions contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693. Chart 12272

MD – CHESAPEAKE BAY - MAGOTHY RIVER - SILLERY BAY – MAGOTHY NARROWS – SWIM EVENT

The annual "Baltimore Swim Across America" open water swim is scheduled to occur in the Magothy River, east of the Magothy Narrows in Redhouse Cove, on **September 18, 2016**, from 8:30 a.m. to 11 a.m. Up to 500 swimmers will operate on a marked, one-mile loop course with a start and finish at the High Tide Farm in Pasadena, MD, located near the Gibson Island Yacht Club. Swimmers will be supported by sponsor-provided watercraft. Official patrol personnel on scene can be contacted on marine band radio VHF-FM channel 16. For any comments or questions contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at telephone (410) 576-2674 or (410) 576-2693. Chart 12283

MD – CHESAPEAKE BAY – SEVERN AND MAGOTHY RIVERS – SAILING RACES

An annual sailing regatta is scheduled to occur on the Chesapeake Bay during **September 16-18, 2016**, between 10 a.m. and 6 p.m. each day. Approximately 55 sailboats (17 feet in length) will compete on a designated course area located at the mouth of the Severn River near Annapolis, MD. More information on the *2016 International 505 East Coast Championship* can be obtained at the Severn Sailing Association website at <http://www.severnsailing.org/>. For any comments or questions, contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693. Chart 12282

MD – CHESAPEAKE BAY – COVE POINT TO THOMAS POINT – SAIL RACES

The Naval Academy Sailing Squadron (NASS) Regattas are scheduled to occur on the middle Chesapeake Bay, between the Wm. P. Lane, Jr. Memorial (US-50/301) Bridges and Thomas Point, MD, with four individual events scheduled from 9 a.m. to 5 p.m. on the following dates during 2016: April 16 (NASS Spring Race); September 17-18 (Shields Cup Regatta); October 22-23 (McMillan Cup Regatta); and **November 5-6** (Kennedy Cup Regatta). Each regatta consists of participating sailboats from 25 to 50 feet in length. The Race Committee can be contacted via marine band radio VHF-FM channels 16 and 77. More information is available at website: <http://nass.sailregattas.com>. For any comments or questions contact Coast Guard Sector Maryland – National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693. Chart 12270

MD – CHESAPEAKE BAY – COVE POINT TO SANDY POINT – SAILING RACES

The Eastport Yacht Club's (EYC) annual sailing regattas are scheduled to occur on the Chesapeake Bay, south of the William P. Lane, Jr. (US-50/301) Memorial Bridges between Hackett Point and Thomas Point, with two individual events scheduled between 9:30 a.m. and 6 p.m. on the following dates in 2016: September 17 (*Hospice Cup XXXIII*); and **September 22-25** (*J30 North American Championship*). More information can be obtained at the EYC website at race.committee@eastportyc.org. For any comments or questions, contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693. Chart 12270

MD – CHESAPEAKE BAY – COVE POINT TO SANDY POINT – SEVERN RIVER – SAILING REGATTAS

The Annapolis Yacht Club's (AYC) annual sailing regattas are scheduled to occur in the Severn River and the Chesapeake Bay, near the mouth of the Severn River, between 10 a.m. and 4 p.m., with 21 individual events scheduled on the following dates in 2016: July 23 (*Summer One Design*); September 3-4 (*Annapolis Labor Day*), September 9-11 (*U.S. Women's Match Race Championship*), September 10 (*Fall Harbor*), September 13-15 (*Warrior Sailing Project*), September 24-25 (*Inter-Club Team Race*); October 1-2 (*Fall Series Weekend 1*), October 8 (*Fall Series Distance Race*), October 15-16 (*Fall Series Weekend 2*), October 22-23 (*Fall Eschells - Lippincott and Halloween Howl*), **October 29-30** (*J/105 & J/35 Fall Championships*). The AYC Race Committee can be contacted at racechair@annapolisyc.org. For any comments or questions, contact Coast Guard Sector Maryland – National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693. Charts 12270, 12282, 12283

******MD – CHESAPEAKE BAY – PATUXENT RIVER AND VICINITY – REGULATED AREA******

The "Naval Air Station Patuxent River Air Expo" is scheduled to occur during **October 29-30, 2016**, from 1 p.m. to 5:30 p.m. both days. The public event will consist of military and civilian aircraft performing low-flying, high-speed precision maneuvers and aerial stunts over both the airfield at Naval Air Station Patuxent River and adjacent navigable waters. Federal aviation restrictions require that portions of the aerobatic performances take place over specified waters of the Chesapeake Bay and Patuxent River. In addition to the air show dates, air show performers will conduct arrival and circle maneuvers, practices, and stunts on October 27, 2016, from 12 Noon to 4 p.m., and an air show rehearsal on October 28, 2016, from 1 p.m. to 5:30 p.m. As described in the Table to 33 CFR 100.501, a regulated area is established during these activities. The following locations are regulated areas: All waters of the lower Patuxent River near Solomons, Maryland, located between Fishing Point and base of break wall marking the entrance to East Seaplane Basin at Naval Air Station Patuxent River (adjacent to approach for runway 14), within an area bounded by a line commencing near the shoreline at latitude 38°17'39" N., longitude 076°25'47" W., thence northwest to latitude 38°17'47" N., longitude 076°26'00" W., thence northeast to latitude 38°18'09" N., longitude 076°25'40" W., thence southeast to latitude 38°18'00" N., longitude 076°25'25" W., located near the shoreline at U.S. Naval Air Station Patuxent River, Maryland. All waters of Chesapeake Bay, located approximately 500 yards north of break wall marking entrance to Chesapeake Bay Basin, Naval Air Station Patuxent River (adjacent to approach for runway 32), within an area bounded by a line commencing near the shoreline at latitude 38°16'53.9" N., longitude 076°23'29.2" W., thence southeast to latitude 38°16'40" N., longitude 076°23'05" W., thence southwest to latitude 38°16'19" N., longitude 076°23'25" W., thence northwest to latitude 38°16'30.4" N., longitude 076°23'44.9" W., located near the shoreline at U.S. Naval Air Station Patuxent River, Maryland. All waters of lower Patuxent River, near Solomons, Maryland, located between Hog Point and Cedar Point, located approximately 200 yards north of shoreline at Naval Air Station Patuxent River, Maryland. The area is bound by a line drawn from point commencing at latitude 38°18'41" N., longitude 076°23'43" W., thence east to latitude 38°18'16" N., longitude 076°22'35" W., thence south to latitude 38°18'12" N., longitude 076°22'37" W., thence northwest to latitude 38°18'36" N., longitude 076°23'46" W., thence to point of origin.. All coordinates reference Datum NAD 1983. These regulated areas will be enforced during the following periods: (i) Performer arrival and circle maneuvers, practices, and stunts on October 27, 2016, from 11 a.m. to 5 p.m.; (ii) Air show rehearsal on October 28, 2016, from 12 Noon to 6:30 p.m.; and (iii) Air show performances during October 29-30, 2016, from 12 Noon to 6:30 p.m. both days. The Coast Guard Patrol Commander or designated marine event patrol may forbid and control the movement of all vessels in the regulated area. When hailed or signaled by an official patrol vessel, a vessel in the area shall immediately comply with the directions given. Failure to do so may result in expulsion from the area, citation for failure to comply, or both. The marine event patrol and Patrol Commander may be contacted on VHF-FM Channel 16. The Coast Guard Patrol Commander may terminate the event, or the operation of any vessel participating in the marine event, at any time if deemed necessary for the protection of life or property. Only designated marine event participants and their vessels and official patrol vessels are authorized to enter the regulated area. Mariners should expect the presence of orange marker buoys to indicate the corners of the aerobatic box. At no time will spectators be permitted to enter the marked areas or obstruct the federal navigation channel outside the regulated area. The Coast Guard may be assisted in the patrol and enforcement of this area by other Federal, State and local agencies. For any comments or questions, contact Coast Guard Sector Maryland-National Capital Region at (410) 576-2674 or (410) 576-2525. Charts 12264, 12284

MD – CHESAPEAKE BAY – PATUXENT RIVER AND VICINITY – SOLOMONS HARBOR – DOCKING CONTEST

The Calvert County Waterman Assoc. will sponsor its annual docking contest in Solomons Harbor on **September 18, 2016**, from 12 Noon to 3 p.m. Up to 20 Bay Built work boats (30-45 feet in length) will participate in a boathandling demonstration at the Waterman's Wharf in Solomons, MD. Floating markers will be placed around the event area. Official safety patrol vessel on scene can be contacted via marine band radio VHF-FM channel 16. For any comments or questions contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693. Chart 12264

******MD – CHESAPEAKE BAY – CHOPTANK RIVER - SWIM EVENT******

The swim portion of the annual Ironman Maryland 140.6 Triathlon is scheduled to occur in the Choptank River on **October 1, 2016**, from 6:30 a.m. to 11 a.m. Approximately 2,200 participants starting in waves will compete along a marked; 1.2-mile rectangular swim course located the shoreline at Cambridge, MD, between Great Marsh Park and the Cambridge Yacht Club. Participants will be accompanied and supported by sponsor-provided watercraft. Official patrol vessels on scene can be

contacted via marine band radio VHF-FM Channel 16. For any comments or questions contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693. Chart 12266

******VA - MD - POTOMAC RIVER - MATTAWOMAN CREEK TO GEORGETOWN - MOUNT VERNON CUT – FIREWORKS DISPLAY******

A short-duration aerial fireworks display is scheduled to occur from a barge located on the Potomac River on **September 21, 2016** (rain date September 22, 2016) at approximately 7:45 p.m. The discharge site is located approximately 500 feet from the shoreline at George Washington's Mount Vernon Estate and Gardens in Mount Vernon, VA, in approximate position latitude 38°42'21.6" N, longitude 077°05'01.0" W. Mariners are urged to use caution when transiting the area, and heed the directions of patrolling law enforcement and public safety officials. Absent specific guidance, mariners should remain 500 feet from the fireworks discharge site. For any comments or questions contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at telephone number (410) 576-2674 or (410) 576-2693. Chart 12289

*******VA - MD – CHESAPEAKE BAY – DISTANCE SAILING REGATTA******

The annual "The Great Chesapeake Bay Schooner Race" is scheduled to occur on the Chesapeake Bay during **October 13-14, 2016**. The race consists of up to 20 participating sailing vessels (from 30 to 150 feet in length) departing from Fells Point in Baltimore, MD on Thursday, October 13, 2016 at 8:30 a.m., then proceeding to the race start, located outside the federal navigation channel just south of the William. P. Lane Jr. Memorial Bridges (US-50/301) near Annapolis, MD, is scheduled at approximately 1:30 p.m. A small spectator fleet is expected at the start of the race. The finish is located at Windmill Point Light (LLNR 7330) and Thimble Shoal Light (LLNR 9310), and afterwards, participants will proceed to docking in Portsmouth, VA. Interested mariners may contact the "Schooner Race Committee" on marine band radio VHF-FM channel 16. For any comments or questions contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693. Chart 12270, 12280

******VA - MD - CHESAPEAKE BAY - HAMPTON ROADS******

The GCBSR will be hosting the Great Chesapeake Bay Schooner Race. The vessels will be departing from the Canton Waterfront in Baltimore, MD on **October 13, 2016** at 1:30 p.m. and will end in the vicinity of Old Point Comfort in Hampton, VA. Mariners are requested to use caution while transiting the area.

******VA - ATLANTIC OCEAN - CHESAPEAKE BAY - LYNNHAVEN ROADS******

The Broad Bay Sailing Association will be hosting the Neptune's Atlantic Regatta on **October 1, 2016**, beginning at 9:25 a.m. and ending at 3 p.m. The regatta will begin at the entrance to Little Creek proceed around Cape Henry and will end offshore 24th street of the Virginia Beach waterfront in Virginia Beach, VA. Mariners are advised to proceed with caution while transiting the area.

VA - CHESAPEAKE BAY - RAPPAHANNOCK RIVER

The Rappahannock River Yacht Club will be hosting the 2016 Hospice Turkey Shoot Regatta in the Rappahannock River between the Robert Norris Bridge and the town of Urbanna, VA. This event will take place on **October 1 and 2, 2016** beginning at 10 a.m. and ending at 5 p.m. each day. Mariners are requested to use caution when transiting the area.

VA - JAMES RIVER - ROCKETT'S LANDING

The Richmond Rox Triathlon will occur in the James River in the vicinity of Rockett's Landing. This event will take place on **September 18, 2016**, beginning at 6 a.m. and ending at 12 p.m. Mariners are advised to use caution and bare steerage when transiting the area.

VA - CHESAPEAKE BAY - HAMPTON ROADS

The Cruising Club of Virginia will be hosting the CCV 2016 Fall Series on the Chesapeake Bay in the vicinity of Hampton Roads on September 18 and 25, 2016 and on the lower Chesapeake Bay on **October 9, 2016**, from 10 a.m. to 4:30 p.m. each day. Mariners are requested to use caution while transiting the area.

VA - CHESAPEAKE BAY - PIANKATANK RIVER – DELTAVILLE

The Fishing Bay Yacht Club's Offshore Fall Series #1 2016, will occur in the Chesapeake Bay at the mouth of the Piankatank River. This event will take place on **September 18, 2016** beginning at 9 a.m. and ending at 5 p.m. Mariners are requested to use caution when transiting the area. Chart 12235

VA - CHESAPEAKE BAY - PIANKATANK RIVER - DELTAVILLE

The Fishing Bay Yacht Club's Offshore Fall Series #2 2016, will occur in the Chesapeake Bay at the mouth of the Piankatank River. This event will take place on **September 24, 2016** beginning at 9:00 a.m. and ending at 5:00 p.m.. Mariners are requested to use caution when transiting the area. Chart 12235

VA - CHESAPEAKE BAY - PIANKATANK RIVER - DELTAVILLE

The Fishing Bay Yacht Club's J70 Chesapeake Bay Championship, will occur on the Chesapeake Bay, at the mouth of the Piankatank River. This event will take place on October 1 and **October 2, 2016** beginning at 9 a.m. and ending at 5 p.m., each day. Mariners are requested to use caution when transiting the area. Chart 12235

VA - CHESAPEAKE BAY - PIANKATANK RIVER - DELTAVILLE

The Fishing Bay Yacht Club's Offshore Fall Series #3 2016, will occur in the Chesapeake Bay at the mouth of the Piankatank River. This event will take place on **October 8, 2016** beginning at 9 a.m. and ending at 5 p.m. Mariners are requested to use caution when transiting the area. Chart 12235

VA - CHESAPEAKE BAY - HILLS BAY

The Fishing Bay Yacht Club's Laser Fall Regatta, will occur on Hills Bay near Gwynn Island in Milford Haven, VA. This event will take place on **September 17, 2016** beginning at 9 a.m. and ending at 5 p.m. Mariners are requested to use caution when transiting the area. Chart 12235

VA - CHESAPEAKE BAY - HILLS BAY

The Fishing Bay Yacht Club's One Design Fall Series #3, will occur in Hills Bay near Gwynn's Island in Milford Haven, VA. This event will take place on **September 25, 2016** beginning at 9 a.m. and ending at 5 p.m. Mariners are requested to use caution when transiting the area. Chart 12235

******VA - CHESAPEAKE BAY - HILLS BAY******

The Fishing Bay Yacht Club's Chesapeake Bay Laser Master Regatta, will occur on Hills Bay near Gwynn Island in Milford Haven, VA. This event will take place on October 15 and **October 16, 2016**, beginning at 9 a.m. and ending at 5 p.m., each day. Mariners are requested to use caution when transiting the area. Chart 12235

VA - CHESAPEAKE BAY - HAMPTON BAR

The Hampton Yacht Club will be hosting the Wednesday Night Races on the Hampton Bar in Hampton Roads, VA. The sailboat regattas will be held every Wednesday night, starting on April 6, 2016 and ending on **September 28, 2016**, beginning at 6 p.m. and ending at 8:30 p.m. Mariners are requested to use caution and bare steerage when transiting the area. Chart 12245

VA - HAMPTON ROADS - HAMPTON FLATS

The Hampton Yacht Club will be hosting the Single-hand Race sailboat race on **September 28, 2016** from 11 a.m. until 4 p.m. Racing will take place in the vicinity of Hampton Roads and Hampton Flats in Hampton, VA. Mariners are requested to use caution when transiting the area. Chart 12245

VA - CHESAPEAKE BAY - HAMPTON FLATS

The Cruising Club of Virginia will be hosting the 2016 CCV Octoberfest Race Series on the Chesapeake Bay in the vicinity of Hampton Flats in Norfolk, VA. This event will take place on **October 5, 12, 19, 26, 2016** beginning at 5:30 p.m. and ending at 6:30 p.m. Mariners are requested to use caution when transiting the area. Chart 12245

VA - HAMPTON ROADS - WILLOUGHBY BAY - ELIZABETH RIVER

The Mill Creek Boat Club will be hosting the Hampton Roads Sunfish Challenge and Dinghy Distance Race in Willoughby Bay, Elizabeth River and Hampton Roads in Hampton, VA. This event will take place on **September 17, 2016**, beginning at 9 a.m. and ending at 5 p.m. Mariners are requested to use caution when transiting the area.

VA- CHESAPEAKE BAY- ELIZABETH RIVER

The Magnolia Circle Norfolk City Union of the King's Daughters will be hosting the Magnolia Circle Dragon Boat Race on the Elizabeth River, near Nauticus, in Norfolk, VA. This event will take place each day September 12, 2016 through **September 17, 2016** beginning at 6:00 AM and ending at 8:00 PM, daily. Mariners are requested to use caution when transiting the area.

VA - CHESAPEAKE BAY - ELIZABETH RIVER

The Portsmouth Boat Club Barnacle Series Races will occur in the Elizabeth River from Lambert Bend to Town Point Reach. These events will take place on April 15, 22 and 29, 2016; May 6, and 13, 2016; July 1, 8, 15, 22 and 29, 2016; August 5, 2016; September 2, 9, 16, 23 and 30, 2016, beginning at 5:45 p.m. and ending at 8:30 p.m. Races that are scheduled for May 21 and **October 8, 2016** will begin at 9:30 a.m. and end at 12:30 p.m. Mariners are requested to use caution when transiting the area. Chart 12253

VA - CHESAPEAKE BAY - ELIZABETH RIVER - LAFAYETTE RIVER

The Norfolk Yacht and Country Club will be hosting the Norfolk Yacht 2016 Fall Series in the Elizabeth River and the Lafayette River. These events will take place every Friday beginning on August 26, 2016 and ending **September 30, 2016**, from 6 p.m. to 8 p.m. Mariners are requested to use caution and bare steerage while transiting the area.

VA - DISMAL SWAMP

The Virginia Beach Paddlesports will be hosting the 50 Dismal Miles Paddle Race, in Dismal Swamp in Chesapeake, VA. This event will take place on **October 1, 2016** beginning at 6 a.m. and ending at 6 p.m. Mariners are requested to use caution when transiting the area.

VA - LAKE ANNA – SPOTSYLVANIA

The Giant Acorn Triathlon will take place on **September 24 and 25, 2016** on Lake Anna in the vicinity of Lake Anna State Park in Spotsylvania, VA. The swim portion of the triathlon will begin at 9 a.m. and end at 10:30 a.m. each day. Mariners are requested to use caution and bare steerage when transiting the area.

******VA - SMITH MOUNTAIN LAKE – HUDDLESTON******

The Liberty Triathlon will occur on Smith Mountain Lake, Huddleston, VA. This event will take place on **October 15, 2016**, beginning at 9 a.m. and ending at 10:30 a.m. Mariners are requested to use caution and bare steerage when transiting the area.

NC – CAROLINA YACHT CLUB SAILBOAT RACES

The "Carolina Yacht Club Sailboat" races will be conducted throughout the year from May 14, 2016 through **December 10, 2016** at various times. These sailing races will include approximately 10 - 100 participants, and sailing boats ranging from 13 - 37' feet in length. The races will be held on the Atlantic Ocean, Banks Channel, Motts Channel and Greenville Sound in Wrightsville

Beach, NC. Specific sailboat races times or schedule can be provided by calling the Carolina Yacht Club at (910) 256-3396. No restrictions will be placed on the use of any navigable waters by other parties.
Chart 11541



WWW VIP SHOALING

**NOT TO BE USED
FOR NAVIGATION**

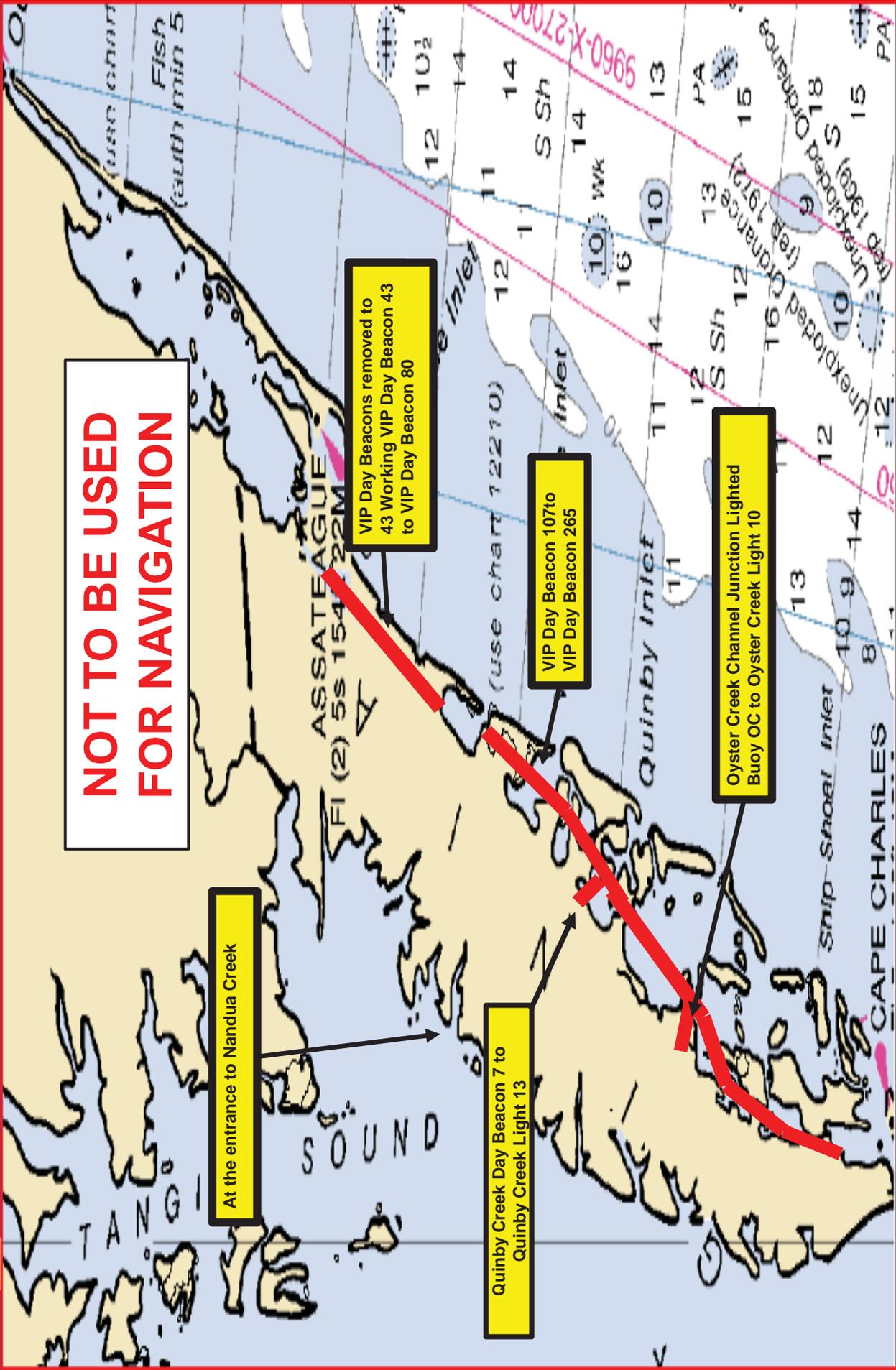
At the entrance to Nandua Creek

Quinby Creek Day Beacon 7 to
Quinby Creek Light 13

VIP Day Beacons removed to
43 Working VIP Day Beacon 43
to VIP Day Beacon 80

VIP Day Beacon 107 to
VIP Day Beacon 265

Oyster Creek Channel Junction Lighted
Buoy OC to Oyster Creek Light 10



NOTE: The conditions depicted on this drawing are not intended to replace nautical charts published by National Ocean Service, U.S. Coast Guard aids to navigation, or U.S. Coast Guard Notices to Mariners. This drawing is only to indicate the general conditions of the waterway and are not intended to be used for navigational purposes.

NOT TO BE USED FOR NAVIGATION



Waterway	Depth	Notes
1 Oregon Inlet	<10'	BNM 642-14, areas around Bonner Bridge. No standard charted depth
2 Hatteras Inlet	<7'	BNM 031-16, areas around South Ferry Terminal Channel 15F & light 7; BNM 028-15, Hatteras Channel 9 to 12C. No standard charted depth.
3 Ocracoke Inlet	<12'	Shifting shoals ITVO Bigfoot Slough Channel buoy 10 & 11. No standard charted depth.
4 Barden Inlet	<12'	Shifting shoals. Charted depth 8'-23'.
5 Beaufort Inlet	<25'	BNM 036-16, Range A & Cutoff Channels buoys 16 & 17 and 13 to 15. Charted depth 35'. Dredging in process.
6 Bogue Inlet	<10'	Shifting shoals ITVO Bogue Inlet Channel buoy 1 & 2. No standard charted depth.
7 New River Inlet	<10'	BNM 003-15, Shifting shoals. No standard charted depth.
8 New Topsail Inlet	<12'	Shifting shoals. No standard charted depth.
9 Masonboro Inlet	<12'	Shifting shoals. Charted depth 16'.
10 Carolina Beach Inlet	<12'	BNM 659-15/207-16, Inlet Channel Buoy 1 to 6. No standard charted depth.
11 Lockwoods Folly Inlet	<10'	Shifting shoals. No standard charted depth.
12 AICWW CFR - Little R	<12'	Unstable/shoaling in numerous areas
13 AICWW Beaufort - CFR	<12'	Unstable/shoaling in numerous areas
14 Core Sound	<12'	Significant shoaling
15 Pamlico Sound	<12'	Minimal shoaling
16 Albemarle & Currituck Sounds	<12'	Minimal shoaling

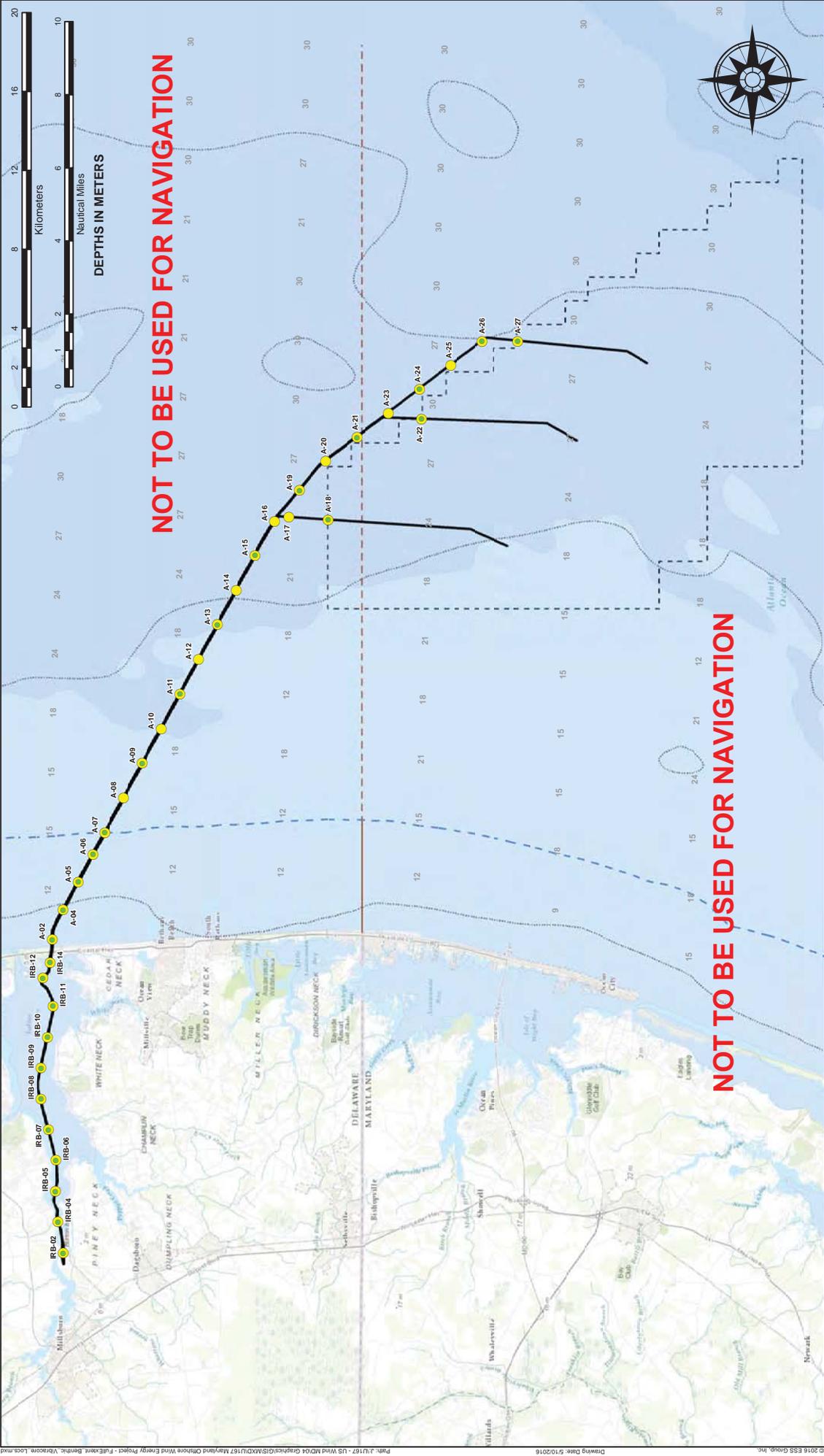
Mariners are encouraged to obtain the most recent U.S. Army Corps of Engineers Wilmington District hydrographic survey information, centerline waypoints & controlling depths at:

<http://www.saw.usace.army.mil/Missions/Navigation.aspx>

Waterway Shoaling Conditions

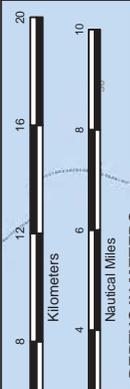
Stable  Moderate  Severe 





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P:\17\17 - US Wind MD04\GIS\MapDocs\17 Maryland Offshore Wind Energy Project - Full extent Benthic Vibracore Locations.mxd



- Legend**
- Benthic Sampling Location*
 - Vibracore Sampling Location*
 - Cable Route
 - - - Wind Energy Area
 - - - State/Federal Waters Boundary
 - - - State's Seaward Boundaries
 - - - Extension of State Boundary into OCS

*Proposed sampling locations are approximate and subject to change based on geophysical survey results.

**Survey Corridor is 300m wide in the Atlantic Ocean, and 500m wide within 1000m of shore and in Indian River Bay.

Maryland Offshore Wind Energy Project
Offshore Maryland

1 centimeter = 1,800 meters
 Source: 1) ESS, Export Cable Route, 2016
 2) BOEM, Wind Planning Areas, 2013
 2) NOAA, Raster Nautical Charts, 2016 3) VACAPESQArea, Georeference - BOEM EA, 2016

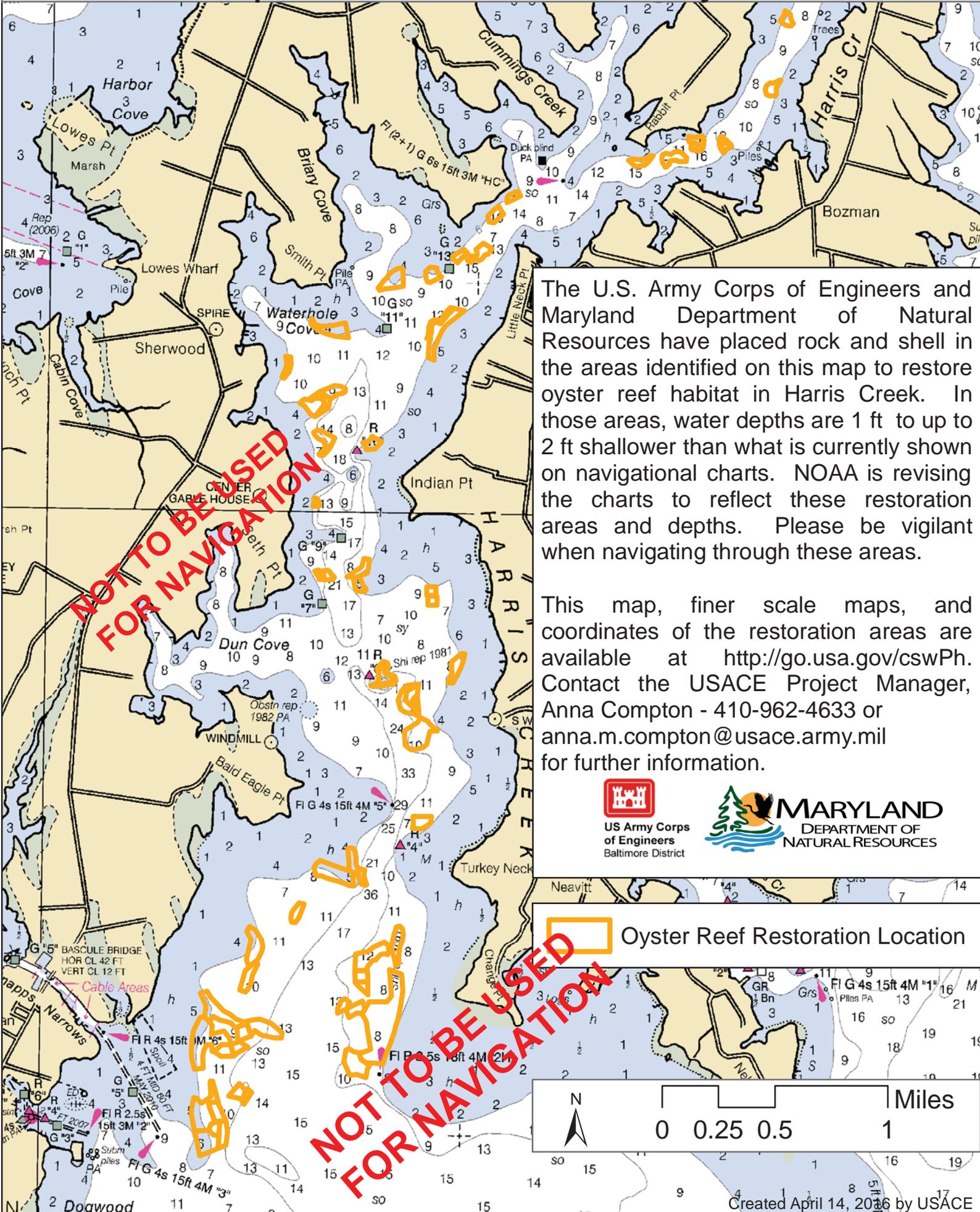


Vibracore/Benthic Sampling Locations

Figure 1

Harris Creek Oyster Restoration

Notice: water depths are shallower than currently shown on charts



The U.S. Army Corps of Engineers and Maryland Department of Natural Resources have placed rock and shell in the areas identified on this map to restore oyster reef habitat in Harris Creek. In those areas, water depths are 1 ft to up to 2 ft shallower than what is currently shown on navigational charts. NOAA is revising the charts to reflect these restoration areas and depths. Please be vigilant when navigating through these areas.

This map, finer scale maps, and coordinates of the restoration areas are available at <http://go.usa.gov/cswPh>. Contact the USACE Project Manager, Anna Compton - 410-962-4633 or anna.m.compton@usace.army.mil for further information.



US Army Corps of Engineers
Baltimore District



MARYLAND
DEPARTMENT OF
NATURAL RESOURCES



Oyster Reef Restoration Location



Miles
0 0.25 0.5 1

U.S. Navy Exercise in the Vicinity of Fort Monroe

**NOT TO BE USED
FOR NAVIGATION**

