



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

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## LOCAL NOTICE TO MARINERS

**District: 5**

**Week: 28/16**

### LOCAL NOTICE TO MARINERS

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&region=5>. If you have questions about the LNM, please contact:

COMMANDER, FIFTH COAST GUARD DISTRICT (dpw)

431 Crawford Street, Portsmouth, Virginia 23704

Telephone (Day) : (757) 398-6229 or (757) 398-6552 or [CGD5Waterways@uscg.mil](mailto:CGD5Waterways@uscg.mil)

### 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, 2015 (47th) Edition.

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

### 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>

NOAA Chart Corrections applicable to any particular NOAA chart:

<http://ocsddata.ncd.noaa.gov/nm/resultList.asp?Chart=> (apply specific chart number i.e. Chart 11548)

D5 LNM on Internet/Archived Back Issues for 2014/2015

<http://www.navcen.uscg.gov/?pageName=lnmDistrict&region=5>

Chesapeake Bay Weather Buoys

<http://www.cbos.org>

Tides on Line

<http://www.tidesonline.nos.noaa.gov/>

Tides, Currents, PORTS

<http://www.tidesandcurrents.noaa.gov/>

Coast Guard District 5

Weather

<http://www.weather.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 Philadelphia District Survey Maps and Shoaling Surveys  
<http://www.nap.usace.army.mil/Missions/CivilWorks/Surveys/Projects.aspx>

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## ABBREVIATIONS

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### 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**

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## SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

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**\*\*\*\* 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

### **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&region=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

#### **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](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](http://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

#### **CODE OF FEDERAL REGULATIONS – TITLE 33 PART 70 – INTERFERENCE WITH OR DAMAGE TO AIDS TO NAVIGATION**

No person, shall take possession of or make use of for any purpose, or build upon, alter, deface, destroy, move, injure, obstruct by fastening vessels thereto or otherwise, or in any manner whatever impair the usefulness of any aid to navigation established and maintained by the United States. Recently several offshore NOAA data buoys parted their moorings and became adrift due to excessive strain on the mooring. These navigational data buoys collect valuable on scene weather data for all mariners. These buoys are anchored to the seabed, and some have a watch circle radius of over 1 nautical mile. Once the mooring is parted and the buoy is adrift only certain Coast Guard resources can reset the aid back on its intended station. Coordinating of resources to retrieve the buoy, and place it back on station is time consuming and

sometimes take weeks, thus valuable weather information cannot be obtained and relayed to mariners in need of it. Mariners are advised not to interfere with these aids to navigation and report any sightings of vessels tied off to them to the U.S. Coast Guard. Interference with or intentional damage to Aids to Navigation is a misdemeanor and shall be subject to a fine not exceeding the sum of \$500 for each offense (33 CFR 70.0).

LNM: 13/16

#### **NOAA PRODUCTION OF LITHOGRAPHIC**

The Federal Aviation Administration (FAA), NOAA's authorized lithographic printer, announced that the traditional printing of NOAA paper nautical charts will be discontinued effective April 13, 2014. In the interim time period, NOAA lithographic charts will still be available from FAA and chart agents. NOAA Print-on Demand charts (POD) will continue to be available through two authorized vendors. NOAA charts are also available as NOAA Raster Navigational Charts (RNC), Electronic Navigational Charts (ENC), and as a portable document format (PDF). 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. 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](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](mailto:webmaster@navcen.uscg.mil) or on the World Wide Web at <http://www.navcen.uscg.gov>.

## NAUTICAL CHART UPDATES

The National Ocean Service (NOS) has moved and expanded the function of its "critcorr" website. The new "Nautical Chart Updates" website allows the mariner to update their nautical charts from one database that includes information from NOS, and NGA Notice to Mariners, the Coast Guard Local Notice to Mariners and the Canadian Coast Guard Notice to Mariners. To access the website and for more information go to: and click on: <http://www.nauticalcharts.noaa.gov>.

## NATIONAL OCEAN SERVICE (NOS) - CHARTS, PUBLICATIONS, AND TABLES - SALES AGENTS

Sales agents for Charts and Coast Pilots of the National Ocean Service are located in many U. S. ports and in some foreign ports. A list of authorized sales agents and chart catalogs is available free upon request from National Ocean Service, Distribution Division (N/ACC3), 6501 Lafayette Avenue, Riverdale, Maryland 20737.

## BROADCAST NOTICES TO MARINERS

This section contains corrections to federal and private Aids to Navigation, as well as NOS Corrections. Navigation information having been of immediate concern to the Mariner and promulgated by the following Broadcast Notices to Mariners (BMNs) have been incorporated in this notice when still significant at the date of this publication.

CCGD5 (D5) - 315, 316, 319, 320, 321, 322, 323, 325, 326, 327-16.

Sector Delaware Bay (DB) - 251, 252, 253, 254, 258, 260, 261, 262, 263, 264, 265, 266, 268, 275, 276, 277, 278-16.

Sector Maryland National Capital Region (BA) - 236, 238, 240, 242, 243, 244-16.

Sector Hampton Roads (HR) - 115, 135, 136, 138, 167, 168, 174, 202, 206, 209, 210, 213, 214, 218, 219, 220, 221-16.

Sector North Carolina (NC) - 305, 321, 352, 353, 355, 356, 357, 359, 360, 361-16.

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## 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.

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### DISCREPANCIES (FEDERAL AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
35	Little Egg Inlet Outer Lighted Whistle Buoy LE	TMK MISSING	12316	245DB	27/16	
120	Five Fathom Bank Lighted Buoy F	REDUCED INT/RAC INOP	12214	243DB	21/16	
155	Cape May Light	REDUCED INT	12316	251DB	26/16	
350	Cape Charles Light	LT EXT	12222	384HR	18/13	
585	Navy Air Combat Maneuvering Range Tower Light G	LT EXT	12200	407NC	27/12	
640	Diamond Shoals Lighted Buoy 12	LT EXT	11555	263NC	22/16	
1100	Little Egg Inlet Outer Lighted Whistle Buoy LE	TMK MISSING	12316	245DB	27/16	
2050	Harbor Of Refuge North End Light 1	STRUCT DMGD	12216	024DB	04/16	
2055	Delaware Bay East Icebreaker Light 2	STRUCT DEST/LT EXT	12216	186DB	20/16	
<b>2065</b>	<b>Roosevelt Inlet Jetty Light 1R</b>	<b>DAYMK MISSING</b>	<b>12216</b>	<b>265DB</b>	<b>28/16</b>	
<b>2070</b>	<b>Roosevelt Inlet Jetty Light 2</b>	<b>DAYMK DMGD</b>	<b>12216</b>	<b>266DB</b>	<b>28/16</b>	
<b>2315</b>	<b>Murderkill River Buoy 2</b>	<b>DAYMK IMCH</b>	<b>12304</b>	<b>275DB</b>	<b>28/16</b>	
2330	Murderkill River Buoy 4	OFF STA	12304	166DB	19/16	
<b>2335</b>	<b>Murderkill River Buoy 5</b>	<b>OFF STA/DAYMK IMCH</b>	<b>12304</b>	<b>276DB</b>	<b>28/16</b>	
<b>2337</b>	<b>Murderkill River Buoy 6</b>	<b>OFF STA/DAYMK IMCH</b>	<b>12304</b>	<b>277DB</b>	<b>28/16</b>	
2520	Baker Range Lighted Buoy 4B	LT EXT	12311	177DB	19/16	
<b>3010</b>	<b>Christina River Range Rear Light</b>	<b>LT EXT</b>	<b>12311</b>	<b>278DB</b>	<b>28/16</b>	
3290	Tinicum Range Rear Light	LT EXT	12313	168DB	19/16	
3800	Mud Island Upper Range Rear Light	REDUCED INT	12314	167DB	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	
3935	Devlin Lower Range Front Light	REDUCED INT	12314	195DB	20/16	

4040	Upper Delaware River Channel Lighted Buoy 54	MISSING/LT EXT	12314	194DB	20/16
4150	Kinkora Upper Range Rear Light	LT EXT	12314	616DB	47/15
<b>4375</b>	<b>Indian River Inlet South Jetty Light 3</b>	<b>DAYMK IMCH</b>	<b>12216</b>	<b>264DB</b>	<b>28/16</b>
4785	Isle of Wight Bay Warning Buoy C	MISSING	12211	236MD	27/16
4870	Isle of Wight Bay Light 13	STRUCT DEST/TRLB	12211	121MD	09/15
4871	Isle Of Wight Bay Light 14	STRUCT DEST/TRLB	12211	081MD	09/15
5010	Sinepuxent Bay Channel Light 4	STRUCT DEST/TRLB	12211	491MD	08/15
5045	Sinepuxent Bay Channel Daybeacon 11A	STRUCT DEST/TRLB	12211	408MD	31/15
5070	Sinepuxent Bay Channel Wreck Light WR16	MISSING/TRLB	12211	345MD	26/15
5075	Sinepuxent Bay Channel Daybeacon 17	STRUCT DEST/TRLB	12211	006MD	02/15
5135	Sinepuxent Bay Channel Daybeacon 35	STRUCT DEST/TRUB	12211	184MD	13/15
5145	Sinepuxent Bay Channel Light 39	STRUCT DEST/TRLB	12211	186MD	13/15
5200	Chincoteague Bay Light 28	STRUCT DEST/TRUB	12211	188MD	13/15
5205	Chincoteague Bay Daybeacon 26	STRUCT DEST/TRUB	12211	189MD	13/15
5215	Chincoteague Bay Daybeacon 23	STRUCT DEST/TRUB	12211	190MD	13/15
5220	Chincoteague Bay Light 21	STRUCT DEST/TRLB	12211	191MD	13/15
5235	Chincoteague Bay Daybeacon 19	STRUCT DEST/TRLB	12211	192MD	13/15
5420	Chincoteague Bay Channel Daybeacon 4	STRUCT DEST/TRLB	12211	098HR	10/15
5425	Chincoteague Bay Channel Daybeacon 6	STRUCT DEST/TRUB	12211	044HR	10/15
5430	Chincoteague Bay Channel Light 8	STRUCT DEST/TRLB	12211	045HR	10/15
5435	Chincoteague Bay Channel Light 9	STRUCT DEST/TRUB	12211	084HR	10/15
5445	Chincoteague Bay Channel Light 12	TRLB/STRUCT DMGD	12211	221HR	11/15
5450	Chincoteague Bay Channel Daybeacon 14	TRUB/STRUCT DEST	12211	222HR	11/15
5455	Greenbackville Light 1	STRUCT DEST/TRLB	12211	522HR	41/15
5477	Chincoteague Bay Daybeacon 16A	TRUB/STRUCT DEST	12211	223HR	11/15
5485	Chincoteague Bay Daybeacon 19	STRUCT DEST/TRLB	12211	192MD	13/15
5487	Chincoteague Bay Daybeacon 20	MISSING/TRLB	12211	258HR	16/15
5490	Chincoteague Bay Light 21	STRUCT DEST/TRLB	12211	191MD	13/15
5495	Chincoteague Bay Daybeacon 23	STRUCT DEST/TRUB	12211	190MD	13/15
5505	Chincoteague Bay Daybeacon 26	STRUCT DEST/TRUB	12211	189MD	13/15
5510	Chincoteague Bay Light 28	STRUCT DEST/TRUB	12211	188MD	13/15
5610	Virginia Inside Passage Lighted Buoy 7	MISSING	12210	073HR	08/14
5625	Virginia Inside Passage Daybeacon 13	BUOY DMGD/TRUB	12210	014HR	02/16
5755	Virginia Inside Passage Daybeacon 49	STRUCT DEST	12210	306HR	20/15
5767	Virginia Inside Passage Daybeacon 52	DAYMK MISSING	12210	242HR	26/14
5772	Virginia Inside Passage Buoy 55	MISSING	12210	111HR	12/13
5773	Virginia Inside Passage Buoy 55A	MISSING	12210	386HR	41/12
5776	Virginia Inside Passage Buoy 57	MISSING	12210	241HR	26/14
5777	Virginia Inside Passage Buoy 59	MISSING	12210	387HR	41/12
5820	Virginia Inside Passage Warning Daybeacon B	DAYMK MISSING	12210	470HR	50/12
5850	Virginia Inside Passage Light 80	LT EXT/DAYMK MISSING	12210	284HR	18/15
5870	Virginia Inside Passage Daybeacon 82	STRUCT DEST	12210	285HR	18/15
5875	Virginia Inside Passage Daybeacon 84	DAYMK MISSING	12210	286HR	18/15
5885	Virginia Inside Passage Light 87	STRUCT DEST	12210	264HR	17/15
5930	Virginia Inside Passage Daybeacon 102	DAYMK MISSING	12210	265HR	17/15
5935	Virginia Inside Passage Daybeacon 103	STRUCT DEST/DAYMK MISSING	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
5955	Virginia Inside Passage Buoy 110	MISSING	12210	425HR	45/12
6115	Virginia Inside Passage Daybeacon 153	DAYMK MISSING	12210	056HR	07/15
6137	Virginia Inside Passage Daybeacon 157B	DAYMK MISSING	12210	057HR	07/15
6139	Virginia Inside Passage Buoy 158A	OFF STA	12210	354HR	35/13

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
6260	Virginia Inside Passage Buoy 194	MISSING	12210	215HR	23/13
6275	Virginia Inside Passage Buoy 198	MISSING	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
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
6736	Quinby Inlet Channel Buoy 2	MISSING	12210	350HR	35/13
6736.1	Quinby Inlet Channel Buoy 2A	MISSING	12210	351HR	35/13
6740	Quinby Inlet Channel Lighted Buoy 4	MISSING	12210	352HR	35/13
6745	Virginia Inside Passage Light 160	DAYMK MISSING	12210	058HR	07/15
6766	Quinby Creek Buoy 5	MISSING	12210	218HR	23/13
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	RAC INOP	12225	423HR	29/15
8855	Taylor Island Shoal Buoy 1	MISSING/TRUB	12274	190BA	19/16
10142	Lynnhaven Inlet Light 5	DAYMK MISSING	12254	124HR	19/16
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
13080	Back River Channel Light 18	LT EXT	12222	211HR	27/16
13555	York River West Range Rear Light	LT EXT	12238	203HR	26/16
14445	Horn Harbor Entrance Light HH	DAYMK MISSING	12238	147HR	21/16
15157	Corrotoman River Light 3	LT EXT	12237	199HR	25/16
15395	Morattico Creek Daybeacon 2	STRUCT DMGD	12237	177HR	11/15
15615	Hoskins Creek Channel Daybeacon 2	STRUCT DEST/TRUB	12237	091HR	15/16
16350	Little Wicomico River Approach Light 2LW	DAYMK MISSING	12233	097HR	15/16
17260	Wicomico River Warning Daybeacon	DAYMK MISSING	12286	323MD	24/15

18555	Upper Potomac River Channel Buoy 79	OFF STA	12289	230MD	25/16
19680	Fishing Creek Light 5	DAYMK DMGD	12270	217MD	24/16
19935	Weems Creek Junction Daybeacon WC	STRUCT DEST/TRLB	12283	160MD	15/16
21435	Old Plantation Flats Warning Light A	DAYMK MISSING	12224	102HR	16/16
21475	Cape Charles City Approach Light C	DAYMK DMGD	12224	101HR	16/16
21605	Hungar Creek Daybeacon 2	STRUCT DEST/TRLB	12226	026HR	26/14
21615	Hungar Creek Daybeacon 5	TRLB/STRUCT DEST	12226	085HR	08/15
21665	Nassawadox Creek Warning Daybeacon H	STRUCT DEST/HAZ NAV/TRUB	12226	074HR	12/16
21784	Nandua Creek Channel Daybeacon 8	TRUB/STRUCT DEST	12226	197HR	12/15
21790	Nandua Creek Channel Warning Daybeacon F	DAYMK MISSING	12226	203HR	12/15
21792	Nandua Creek Channel Daybeacon 9	TRUB/STRUCT DEST	12226	456HR	33/15
21820	Nandua Creek Channel Daybeacon 17	TRLB/STRUCT DMGD	12226	200HR	12/15
21825	Nandua Creek Channel Daybeacon 19	TRUB/STRUCT DEST	12226	201HR	12/15
21830	Nandua Creek Channel Daybeacon 21	TRUB/STRUCT DEST	12226	202HR	12/15
22475	Starling Creek Daybeacon 6	TRUB/STRUCT DEST	12228	330HR	22/15
22630	Upper Pocomoke River Daybeacon 8	STRUCT DEST/TRUB	12228	504MD	41/14
23410	Goose Creek Channel Daybeacon 6	STRUCT DEST/TRLB	12231	121MD	11/15
23955	Wicomico River Channel Light 55	LT EXT/TRLB	12261	221NC	24/16
26310	Crab Alley - Little Creek Daybeacon 1	STRUCT DEST/TRLB	12270	179MD	17/16
<b>27600</b>	<b>Susquehanna River Channel Lighted Buoy 3</b>	<b>LT EXT</b>	<b>12274</b>	<b>242MD</b>	<b>28/16</b>
27840	Northeast River Buoy 4	TRUB	12274	148MD	13/16
27845	Northeast River Buoy 5	MISSING/TRLB	12274	162MD	16/16
28715	South Ferry Terminal Light 7	STRUCT DEST/TRLB	11555	160NC	09/16
28830	Rollinson Channel Light 34	STRUCT DEST/TRLB	11555	647NC	50/15
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
30055	Banks Channel Light 2	STRUCT DEST/TRLB	11541	237NC	19/16
30200	Wrightsville Channel Junction Daybeacon WC	TRUB/STRUCT DEST	11541	198NC	14/15
30270	Carolina Beach Inlet Buoy 2	OFF STA	11534	630NC	49/15
30491	Federal Point Range Front Light	STRUCT DEST	11534	436NC	32/15
<b>30645.1</b>	<b>Lower Midnight Channel North Range Rear Passing Lights (2)</b>	<b>REDUCED INT</b>	<b>11534</b>	<b>359NC</b>	<b>28/16</b>
31170	Whale Head Bay Light 1	OFF STA/STRUCT DEST/TRLB	12204	263NC	18/15
<b>31335</b>	<b>Kitty Hawk Bay Daybeacon 3</b>	<b>STRUCT DEST/TRUB</b>	<b>12204</b>	<b>353NC</b>	<b>28/16</b>
31976	Roanoke Marshes Warning Daybeacon	STRUCT DEST	12204	467NC	35/15
32825	Oyster Creek Lighted Buoy 4	OFF STA	11545	074NC	08/16
33360	Pamlico River Channel Light 17	LT EXT	11554	246NC	20/16
33490	Cedar Island North Light	LT EXT/DAYMK MISSING/STRUCT DMGD	11550	045NC	29/14
33535	West Bay Light 7WB	DAYMK MISSING	11544	498NC	38/15
33560	West Bay Light 15WB	LT EXT	11550	281NC	23/16
33570	Long Bay Light 4	DAYMK MISSING	11544	100NC	09/16
33801	Dawson Creek Entrance Buoy 4	MISSING	11552	032NC	52/15
34315	Trent River Daybeacon 20	TRLB/STRUCT DEST	11552	523NC	39/15
34335	Core Sound Buoy 3A	OFF STA	11550	038NC	05/15
<b>34495</b>	<b>Atlantic Channel Daybeacon 1</b>	<b>DAYMK MISSING</b>	<b>11545</b>	<b>355NC</b>	<b>28/16</b>
<b>34505</b>	<b>Atlantic Channel Buoy 4</b>	<b>MISSING</b>	<b>11545</b>	<b>356NC</b>	<b>28/16</b>
34545	Core Sound Lighted Buoy 28	OFF STA	11545	284NC	23/16
35070	New Jersey Intracoastal Waterway Light 27	LT EXT	12324	263DB	27/16
35130	Barnegat Bay Light BB	LT EXT	12324	258DB	27/16

35185	New Jersey Intracoastal Waterway Light 49A	LT EXT	12324	209DB	21/16
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
<b>37400</b>	<b>Great Bridge to Albemarle Sound Light 43</b>	<b>LT EXT</b>	<b>12206</b>	<b>223HR</b>	<b>28/16</b>
37905	Alligator River Daybeacon 30	STRUCT DEST/TRUB	11553	093NC	09/16
38440	Russell Slough Junction Light RS	STRUCT DEST/TRLB	11541	136NC	12/16
38655	Money Island Channel Daybeacon 2A	STRUCT DEST/TRUB	11547	272NC	22/16
38925	Bogue Sound Light 21	STRUCT DEST/TRLB	11541	337NC	27/16
<b>39070</b>	<b>Bogue Sound Daybeacon 46A</b>	<b>DAYMK MISSING</b>	<b>11541</b>	<b>352NC</b>	<b>28/16</b>
39085	Bogue Sound - New River Light 46C	STRUCT DMGD/TRLB	11541	296NC	24/16
39290	Bogue Sound - New River Daybeacon 70	STRUCT DEST/TRUB	11541	307NC	11/16
<b>39435</b>	<b>New River - Cape Fear River Daybeacon 53</b>	<b>DAYMK MISSING</b>	<b>11541</b>	<b>362NC</b>	<b>28/16</b>
39455	New River - Cape Fear River Daybeacon 65	STRUCT DEST/TRUB	11541	306NC	24/16
39507	New River - Cape Fear River Light 89	DAYMK MISSING	11541	208NC	19/16
39580	New River - Cape Fear River Daybeacon 110	STRUCT DEST/TRUB	11541	328NC	26/16
39715	New River - Cape Fear River Daybeacon 152	STRUCT DEST/TRUB	11534	301NC	24/16
39758	New River - Cape Fear River Buoy 162A	OFF STA	11534	331NC	27/16
39825	New River - Cape Fear River Light 163	STRUCT DEST/TRLB	11534	182NC	16/16
<b>39920.1</b>	<b>Lower Midnight Channel North Range Rear Passing Lights (2)</b>	<b>REDUCED INT</b>	<b>11534</b>	<b>359NC</b>	<b>28/16</b>
39966	Federal Point Range Front Light	STRUCT DEST	11534	436NC	32/15

**DISCREPANCIES (FEDERAL AIDS) CORRECTED**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
3140	Marcus Hook Range Rear Light	RELIGHTED	12312	269DB	28/16	28/16
7190	Chesapeake Channel Lighted Buoy 32	RELIGHTED	12221	222HR	28/16	28/16
10495	Little Creek Harbor Range Front Light	RELIGHTED	12255	215HR	27/16	28/16
11467	James River Channel Light 5	RELIGHTED	12248	216HR	27/16	28/16
28390	Roanoke Island Cut Through Light 1	WATCHING PROPERLY	12204	354NC	28/16	28/16
29427	Morehead City Channel Lighted Buoy 20	RELIGHTED	11547	360NC	28/16	28/16
31800	Chowan River Light 5	RELIGHTED	12205	322NC	27/16	28/16
33790	Adams Creek Light 1AC	RELIGHTED	11541	325NC	26/16	28/16
34455	Core Sound Light 19	RELIGHTED	11550	351NC	28/16	28/16
38290	Adams Creek Light 1AC	RELIGHTED	11541	325NC	26/16	28/16
38652	Money Island Channel Buoy 2	RESET ON STATION	11547	322NC	26/16	28/16

**DISCREPANCIES (PRIVATE AIDS)**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
9	Ocean Power Lighted Data Buoy A	MISSING	12323	585DB	49/13	
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	
3777	Tri-County Water Intake Lighted Buoy N	LT EXT	12314	261DB	27/16	
3778	Tri-County Water Intake Lighted Buoy S	LT EXT	12314	262DB	27/16	
4346	Upper Delaware River Pipeline Outfall Buoy	MISSING	12314	129DB	18/12	

4875	Thorofare Channel Buoy 3	SINKING	12211	029DB	05/16
4900	Thorofare Channel Buoy 10	OFF STA	12211	121MD	09/15
4925	Ocean Pines Yacht Club Light 2	LT EXT	12211	398MD	29/15
4991.16	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	DAYMK IMCH	12211	528HR	46/12
5165	Chincoteague Bay State Boundary Line Buoy B	OFF STA	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
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
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
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	NONEMD	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
32725.23	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
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 Daybeacon 4	STRUCT DEST	12316	556DB	41/15
	Asquith Creek Daybeacon 6	DAYMK IMCH	12282	520MD	45/14
	Back Creek-Syc Daybeacon 8	STRUCT DMGD	12238	NONEHR	23/16
	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
	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
St. Michaels Harbor Buoy 6	SINKING	12270	177MD	16/16
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
<b>Warehouse Creek Buoy 1 (South River)</b>	<b>MISSING</b>	<b>12270</b>	<b>244MD</b>	<b>28/16</b>

**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
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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
6348	Virginia Inside Passage Daybeacon 213	TRUB	12224	NONED5	02/14	
7450	USN Aerial Gunnery Area Warning Daybeacon A	TRLB	12228	500BA	16/16	
8117	NOAA Lighted Data Buoy SN	DISCONTINUED	12278	602D5	50/15	
8150	Brewerton Channel Range Front Light	RELOCATED	12281	181D5	14/15	
9520	Elizabeth River Channel Lighted Bell Buoy 10	RELOCATED FOR DREDGING	12245	623D5	52/15	
9552.5	Norfolk International Terminal North Channel Lighted Buoy 6N	RELOCATED FOR DREDGING	12245	623D5	52/15	
9630	Elizabeth River Channel Lighted Buoy 23	RELOCATED FOR DREDGING	12245	623D5	52/15	
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	
19697	NOAA Lighted Data Buoy AN	DISCONTINUED	12283	604D5	50/15	
21510	Mud Creek Channel Daybeacon 1	DISCONTINUED FOR DREDGING	12224	271HR	17/15	
21515	Mud Creek Channel Daybeacon 2	TRUB	12224	221D5	18/15	
23510	Lower Thorofare Channel Light 6	TRDBN	12231	096D5	11/16	
<b>24675</b>	<b>Slaughter Creek Daybeacon 6A</b>	<b>Other</b>	<b>12264</b>	<b>326D5</b>	<b>28/16</b>	

<b>24680</b>	<b>Slaughter Creek Daybeacon 8</b>	<b>Other</b>	<b>12266</b>	326D5	<b>28/16</b>
27405	Fairlee Creek Light 2F	DISCONTINUED	12278	136D5	13/16
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
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
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
	<b>Slaughter Creek Buoy 6A</b>	<b>ESTABLISHED</b>	<b>12264</b>	326D5	<b>28/16</b>
	<b>Slaughter Creek Buoy 8</b>	<b>ESTABLISHED</b>	<b>12264</b>	326D5	<b>28/16</b>

**TEMPORARY CHANGES CORRECTED**

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
28732	Hatteras Inlet Channel Buoy 12	LWP	11555	322D5	27/16	28/16

**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				
	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.

<b>11542</b>	<b>19th Ed.</b>	<b>01-AUG-14</b>	<b>Last LNM: 24/16</b>	<b>NAD 83</b>		<b>28/16</b>
<i>Chart Title: New River; Jacksonville</i>						
<b>CHART NC- NEW RIVER. Page/Side: N/A</b>						
RELOCATE	Grey Point Warning Daybeacon				CGD05 from 34-37-40.847N to 34-37-40.797N	077-22-04.242W 077-22-04.138W
RELOCATE	Stones Bay Warning Daybeacon				CGD05 from 34-36-23.804N to 34-36-23.556N	077-26-08.002W 077-26-08.043W
<b>11555</b>	<b>42nd Ed.</b>	<b>01-APR-15</b>	<b>Last LNM: 27/16</b>	<b>NAD 83</b>		<b>28/16</b>
<i>Chart Title: Cape Hatteras-Wimble Shoals to Ocracoke Inlet</i>						
<b>Main Panel 525 CAPE HATTERAS WIMBLE SHOALS TO OCRACOKE INLET. Page/Side: A</b>						
RELOCATE	Hatteras Inlet Channel Buoy 12				CGD05 from 35-12-21.540N to 35-12-20.604N	075-43-56.838W 075-43-55.320W
<b>12222</b>	<b>55th Ed.</b>	<b>01-FEB-15</b>	<b>Last LNM: 18/16</b>	<b>NAD 83</b>		<b>28/16</b>
<i>Chart Title: Chesapeake Bay Cape Charles to Norfolk Harbor</i>						
<b>Main Panel 559 CHESAPEAKE BAY CAPE CHARLES TO NORFOLK HARBOR. Page/Side: A</b>						
RELOCATE	Elizabeth River Channel Lighted Buoy 20 (Supersedes LNM 01/16)				CGD05 from 36-53-31.168N to 36-53-33.012N	076-20-16.235W 076-20-14.612W
<b>12245</b>	<b>68th Ed.</b>	<b>01-MAY-13</b>	<b>Last LNM: 17/16</b>	<b>NAD 83</b>		<b>28/16</b>
<i>Chart Title: Hampton Roads</i>						
<b>Main Panel 584 HAMPTON ROADS VIRGINIA. Page/Side: N/A</b>						

RELOCATE	Elizabeth River Channel Lighted Buoy 20 (Supercedes LNM 01/16)	CGD05 from 36-53-31.168N to 36-53-33.012N	076-20-16.235W 076-20-14.612W
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**12253**      **47th Ed.**      **01-APR-12**      **Last LNM: 25/16**      **NAD 83**      **28/16**

*ChartTitle: Norfolk Harbor and Elizabeth River*

**Main Panel 593 NORFOLK HARBOR AND ELIZABETH RIVER. Page/Side: N/A**

RELOCATE	Elizabeth River Channel Lighted Buoy 20 (Supercedes LNM 01/16)	CGD05 from 36-53-31.168N to 36-53-33.012N	076-20-16.235W 076-20-14.612W
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**12261**      **30th Ed.**      **01-DEC-12**      **Last LNM: 25/16**      **NAD 83**      **28/16**

*ChartTitle: Chesapeake Bay Honga, Nanticoke, Wicomico Rivers and Fishing Bay*

**Extension 601 CONTINUATION OF WICOMICO RIVER. Page/Side: N/A**

ADD	Obstruction; Obstn PA      Chart No. 1: K40 (NOS NW-25751)	NOS 38-20-36.000N	075-37-48.000W
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**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**

<u>Approved Project(s)</u>	<u>Project Date</u>	<u>Ref. LNM</u>
None		

Advance Notice(s)

**MD/VA – POTOMAC RIVER – DAHLGREN MIDDLE DANGER ZONE**

In consultation with the US Navy, the Coast Guard will relocate Line of Fire Buoy Q (LLNR 17590) to help mariners better identify the Naval Surface Warfare Center Dahlgren Middle Zone boundary (as described in 33 CFR 334.230). While the boundary is mostly marked, the point at 38-19-06N, 076-57-06W, which lies between Potomac River Channel Light 33 (LLNR 17710) and Line of Fire Buoy O (LLNR 17585), is unmarked. Line of Fire Buoy Q will be relocated to mark that boundary point, on or about July 18, 2016.

Chart	12286	LNM: 25/16
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**MD/VA - FENWICK ISLAND TO CHINCOTEAGUE INLET - SINEPUXENT BAY AID TO NAVIGATION CHANGES**

Due to waterway constraints the Coast Guard's local construction tender has been unable to access the below listed fixed aids to navigation for maintenance. On or about July 25, 2016 the Coast Guard will convert the following fixed aids to navigation to floating aid to navigation.

- 4.5
- (LLNR 4871) Isle Of Wight Bay Light 14 to Isle Of Wight Bay Lighted Wreck Buoy WR14
- (LLNR 5010) Sinepuxent Bay Channel Light 4 to Sinepuxent Bay Channel Lighted Wreck Buoy WR4
- (LLNR 5045) Sinepuxent Bay Channel Daybeacon 11A to Sinepuxent Bay Channel Lighted Wreck Buoy WR11A
- (LLNR 5070) Sinepuxent Bay Channel Wreck Light WR16 to Sinepuxent Bay Channel Lighted Buoy WR16
- (LLNR 5075) Sinepuxent Bay Channel Daybeacon 17 to Sinepuxent Bay Channel Lighted Wreck Buoy WR17
- (LLNR 5135) Sinepuxent Bay Channel Daybeacon 35 to Sinepuxent Bay Channel Lighted Buoy 35
- (LLNR 5145) Sinepuxent Bay Channel Light 39 to Sinepuxent Bay Channel Lighted Wreck Buoy WR39
- (LLNR 5200) Chincoteague Bay Light 28 to Chincoteague Bay Lighted Buoy 28
- (LLNR 5220) Chincoteague Bay Light 21 to Chincoteague Bay Lighted Buoy 21
- (LLNR 5235) Chincoteague Bay Daybeacon 19 to Chincoteague Bay Lighted Wreck Buoy WR19
- (LLNR 5420) Chincoteague Bay Channel Daybeacon 4 to Chincoteague Bay Channel Lighted Wreck Buoy WR4
- (LLNR 5425) Chincoteague Bay Channel Daybeacon 6 to Chincoteague Bay Channel Buoy 6
- (LLNR 5430) Chincoteague Bay Channel Light 8 to Chincoteague Bay Channel Lighted Wreck Buoy WR8
- (LLNR 5445) Chincoteague Bay Channel Light 12 to Chincoteague Bay Lighted Wreck Buoy WR12
- (LLNR 5450) Chincoteague Bay Channel Daybeacon 14 to Chincoteague Bay Buoy 14
- (LLNR 5455) Greenbackville Light 1 to Greenbackville Lighted Wreck Buoy WR1
- (LLNR 5487) Chincoteague Bay Daybeacon 20 to Chincoteague Bay Lighted Wreck Buoy WR20.

Chart	12211	LNM: 26/16
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**VA - VIRGINIA INSIDE PASSAGE - CHANGES TO AIDS TO NAVIGATION**

This notice updates the Advance Notice Published on March 7, 2016. On or about the week of July 11, 2016, the Coast Guard will make changes to the Virginia Inside Passage. The following changes will occur:

- Virginia Inside Passage Warning Daybeacon AA (LL 5520) - Discontinue
- Virginia Inside Passage Light 2 (LL 5525) - Discontinue
- Establish Wallops Island Lighted Buoy 2 (LL 5525) at position 37-53-38.480N, 075-24-55.800W; FIR 2.5s
- Virginia Inside Passage Warning Daybeacon (LL 5528) - Discontinue
- Virginia Inside Passage Warning Daybeacon A (LL 5530) -Discontinue
- Virginia Inside Passage Daybeacon 2A (LL 5531) - Discontinue
- Virginia Inside Passage Warning Daybeacon B (LL 5533) - Discontinue

Virginia Inside Passage Light 3 (LL 5535) - Discontinue  
 Establish Wallops Island Lighted Buoy 3 (LL5531) at position 37-53-43.750N, 075-25-43.470W; FIG 2.5s  
 Establish Wallops Island Lighted Buoy 4 (LL 5535) at position 37-53-37.040N, 075-26-02.950W; FIR 2.5s  
 Virginia Inside Passage Light 4 (LL 5540) - Discontinue  
 Establish Wallops Island Lighted Buoy 5 (LL 5540) at position 37-53-31.670N, 075 26 46.110W; FIG 2.5s  
 Virginia Inside Passage Light 5 (LL 5545) - Discontinue  
 Establish Wallops Island Lighted Buoy 6 (LL 5545) at position 37-53-27.650N, 075-27-03.030W; FIR 2.5s  
 Virginia Inside Passage Daybeacon 6 (LL 5547) - Discontinue  
 Establish Wallops Island Lighted Buoy 7 (LL 5647) at position 37-53-16.290N, 075 27 26.510W; FIG 4s  
 Establish Wallops Island Lighted Buoy 7A (LL 5610) at position 37-53-06.020N, 75-27-48.170W; FIG 2.5s  
 Virginia Inside Passage Daybeacon 9 (LL 5615) - Discontinue  
 Establish Wallops Island Buoy 9 (LL 5615) at position 37-52-40.130N, 075-27-49.780W  
 Establish Wallops Island Buoy 11 (LL 5620) at position 37 52 27.240N, 075-27-52.650W  
 Virginia Inside Passage Daybeacon 11 (LL 5620) - Discontinue  
 Establish Wallops Island Buoy 12 (LL 5622) at position 37-52-21.820N, 075-27-52.770W  
 Virginia Inside Passage Daybeacon 12 (LL 5622) - Discontinue  
 Establish Wallops Island Buoy 13 (LL 5625) at position 37-52-00.320N, 075-28-09.070W  
 Virginia Inside Passage Daybeacon 13 (LL 5625) - Discontinue  
 Rename Virginia Inside Passage Daybeacon 14 (LL 5630) to Wallops Island Warning Daybeacon A (LL 5630)  
 Virginia Inside Passage Daybeacon 16 (LL 5635) - Discontinue  
 Virginia Inside Passage Daybeacon 17 (LL 5640) - Discontinue  
 Virginia Inside Passage Daybeacon 19 (LL 5645) - Discontinue  
 Virginia Inside Passage Daybeacon 20 (LL 5650) - Discontinue

Charts: 12210 12211

LNM: 10/16

**VA – CHESAPEAKE BAY - WOLF TRAP TO PUNGOTEAGUE CREEK – HUNGAR CREEK – NANDUA CREEK – AID TO NAVIGATION CHANGES**

Due to waterway constraints the Coast Guard's local construction tender has been unable to access the below listed fixed aids to navigation for maintenance. On or about July 25, 2016 the Coast Guard will convert the following fixed aids to navigation to floating aid to navigation.

- (LLNR 21605) Hungar Creek Daybeacon 2 to Hungar Creek Lighted Wreck Buoy WR2
- (LLNR 21615) Hungar Creek Daybeacon 5 to Hungar Creek Lighted Wreck Buoy WR5
- (LLNR 21784) Nandua Creek Channel Daybeacon 8 to Nandua Creek Channel Buoy 8
- (LLNR 21792) Nandua Creek Channel Daybeacon 9 to Nandua Creek Channel Buoy 9
- (LLNR 21820) Nandua Creek Channel Daybeacon 17 to Nandua Creek Lighted Wreck Buoy WR17
- (LLNR 21825) Nandua Creek Channel Daybeacon 19 to Nandua Creek Buoy 19
- (LLNR 21830) Nandua Creek Channel Daybeacon 21 to Nandua Creek Buoy 21.

Charts: 12225 12226

LNM: 26/16

**VA – ELIZABETH RIVER AND YORK RIVER – NOAA BUOY RELOCATION**

On or about 17 Jul 2016, the National Oceanic and Atmospheric Administration will relocate NOAA Lighted Buoy "N" from the Elizabeth River to York Spit, off the entrance to the York River. Its characteristics will remain the same except its lettering will change from "N" to "YS." This will disestablish NOAA Lighted Buoy N (LLNR 9930) from position 36-50-50.246N, 076-18-01.740W and establish NOAA Lighted Buoy YS (LLNR 13457), in approximate position 37-12-30.0N, 076-16-06.0W.

Charts: 12221 12253

LNM: 25/16

**SECTION VI - PROPOSED CHANGES**

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

**PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT**

<u>Proposed Project(s)</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
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](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 – CHERRY ISLAND RANGE REACH TO BELLEVUE RANGE REACH - CHANGES TO BUOYAGE AND ESTABLISHMENT OF LIGHTED BUOY\*\*\*\***

As part of the Coast Guards proposals to change the naming convention and numbering of the lateral Aids to Navigation (buoys and lights) marking the Delaware River Main Channel, and changes to Aids to Navigation to support the 45ft deepening projects, the below listed changes are proposed. The new naming conventions and numbering will eliminate letter suffixes associated with reaches and ranges, as the Aids will be numbered sequentially for the entire length of the Delaware River Channel, similar to the naming conventions for the Lower Delaware Bay Aids and Upper Delaware River Aids.

--Buoys are located 50 feet outside channel limits--

Cherry Island Range Lighted Bell Buoy 1C (LLNR 2965) – Remove bell and change to Delaware River Lighted Buoy 27

Cherry Island Range Lighted Buoy 2C (LLNR 2970) - Changed to Delaware River Lighted Buoy 28

Cherry Island Range Lighted Buoy 3C (LLNR 2995) – Change to lighted buoy and change to Delaware River Lighted Buoy 29

Cherry Island Range Junction Lighted Bell Buoy CR (LLNR 3020) – Remove bell and change to lighted buoy and change to Delaware River Lighted Buoy 30

Cherry Island Range Buoy 5C (LLNR 3025) – Change to Delaware River Buoy 31

Cherry Island Range Buoy 7C (LLNR 3035) – Change to Delaware River Buoy 33

Cherry Island Range Buoy 4C (LLNR 3030) – Relocate to position 39°44'09.00"N, 75°29'53.77"W, change to lighted buoy and rename to Delaware River Lighted Buoy 34

Cherry Island Range Buoy 9C (LLNR 3040) –Change to Delaware River Buoy 35

Establish Delaware River Lighted Buoy 36 at position 39°44'25.68"N, 75°29'43.14"W

Bellevue Range Lighted Buoy 2B (LLNR 3045)- Relocate to position 39°44'50.56"N, 75°29'27.15"W, and change name to Delaware River Lighted Buoy 38

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](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 02 August 2016 to be considered in the analysis. Refer to project number 05-16-095(D) .

Send comments to [tiffany.a.johnson@uscg.mil](mailto:tiffany.a.johnson@uscg.mil) or [CGD5Waterways@uscg.mil](mailto:CGD5Waterways@uscg.mil), or

U.S. Coast Guard Fifth District

Waterways Management (dpw)

Attn: LCDR Johnson

431 Crawford Street

Portsmouth, VA 23704

Charts: 12311 12312

LNM: 26/16

**VA - CHINCOTEAGUE BAY AND SINEPUXENT BAY - PROPOSAL TO DISCONTINUE TEMPORARY BUOYS**

The Coast Guard is presently marking missing fixed aids to navigation with temporary unlighted buoy; TRUB, and due to waterway constraints the local construction tender can no longer access these areas for maintenance. The Coast Guard is soliciting comment on discontinuing the following TRUB's; temporary unlighted buoys:

5037-Sinepuxent Bay Channel Daybeacon 10A (TRUB)

5105-Sinepuxent Bay Channel Daybeacon 27 (TRUB)

5120-Sinepuxent Bay Channel Daybeacon 29 (TRUB)

5205-Chincoteague Bay Daybeacon 26 (TRUB)

5215-Chincoteague Bay Daybeacon 23 (TRUB)

5477-Chincoteague Bay Channel Daybeacon 16A (TRUB)

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/D5\\_LNM\\_2015\\_Special\\_Notice\\_Waterway\\_Proposal\\_Feedback\\_Form.pdf](http://www.navcen.uscg.gov/pdf/Inms/D5_LNM_2015_Special_Notice_Waterway_Proposal_Feedback_Form.pdf).

All comments will be carefully considered and are requested prior to August 1, 2016 to be considered in this analysis. Refer to project number 05-16-096(D)

Send comments to [Albert.L.Grimes@uscg.mil](mailto:Albert.L.Grimes@uscg.mil) or [CGD5Waterways@uscg.mil](mailto: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

Chart 12211

LNM: 26/16

**\*\*\*\*VA – MOBJACK BAY AND YORK RIVER ENTRANCE - PROPOSAL TO DISCONTINUE WARNING DAYBEACONS IN QUARTER MARCH CREEK\*\*\*\***

In 2005 the lateral aids to navigation marking Quarter March Creek where converted to non-lateral aids due shoaling. This shoaling also prevented the Coast Guards constructions tender to access the aids so they could removed. These waterway conditions have not improved and the Coast Guard is proposing discontinuing the two Quarter March Warning Daybeacons.

Aids to be discontinued and removed are:

Poquoson River- Quarter March Creek

Warning Daybeacon A (LLNR 13250) 37 08 24.521N—76 25 46.811W

Warning Daybeacon B (LLNR 13255) 37 08 30.521N—76 25 52.181W

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](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 August 8, 2016 to be considered in the analysis. Please reference project 05-16-097(D).

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

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

Chart 12238

LNM: 28/16

**\*\*\*\*NC – PAMLICO SOUND - OREGON INLET – RELOCATIONS\*\*\*\***

Due to an encroaching shoal, the Coast Guard will be relocating the following aids to navigation to the approximate positions listed below on or about July 20, 2016.

Oregon Inlet Channel DBN 43 (LLNR 28146) 35-46-44.160N/075-34-39.660W  
Oregon Inlet Channel DBN 48 (LLNR 28170) 35-46-37.860N/075-34-41.700W

Charts: 12204 12205

LNM: 28/16

**\*\*\*\*MD – ASSATEAGUE ISLAND – TEMPORARY AIDS TO NAVIGATION ESTABLISHED\*\*\*\***

In preparation for this year's annual Pony Swim scheduled for 27 and 29 July, 2016, eleven yellow special purpose buoys will be established to assist with spectator watercraft control for this event as published in 33 CFR 100.501. Upon completion of the event the temporary aids will be removed.

a. Assateague Channel Buoy A 37-54-50.130N 075-23-01.300W  
b. Assateague Channel Buoy B 37-54-49.850N 075-22-59.960W  
c. Assateague Channel Buoy C 37-54-49.440N 075-22-58.550W  
d. Assateague Channel Buoy D 37-54-49.080N 075-22-57.180W  
e. Assateague Channel Buoy E 37-54-48.740N 075-22-56.050W  
f. Assateague Channel Buoy F 37-54-59.160N 075-22-47.370W  
g. Assateague Channel Buoy G 37-54-57.720N 075-22-47.650W  
h. Assateague Channel Buoy H 37-54-56.280N 075-22-48.000W  
i. Assateague Channel Buoy I 37-54-54.780N 075-22-48.350W  
j. Assateague Channel Buoy J 37-54-53.430N 075-22-48.630W

To assist with egress and ingress of safety zone enforcement vessels six additional white buoys will be established in the following approximate positions:

North Side:

South Side

a. 37-54.99N 075-22.75W  
b. 37-54.97N 075-22.74W  
c. 37-54.96N 075-22.80W

a. 37-54.86N 075-23.03W  
b. 37-54.85N 075-23.02W  
c. 37-54.84N 075-23.02W

Chart 12211

LNM: 27/16

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## SECTION VII - GENERAL

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

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### 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

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

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 capsized 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.

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

LNM: 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

LNM: 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

#### **NC - NEW RIVER - FIRING EXERCISES**

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

LNM: 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 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

#### **DE/NJ – DELAWARE RIVER - TINICUM RANGE AND MARCUS HOOK RANGE - DREDGING AND ROCK REMOVAL - MAIN CHANNEL DEEPENING**

The Great Lakes Dock and Dredge Company will be mobilizing and commencing dredging operations starting 28 Jul 2016 between the Tinicum Range and Marcus Range in the Delaware River. The dredges New York and Texas and vessels Bering Dawn, Elizabeth, Kathryn, Brangas, Pelican State will be on site conducting operations through 15 March 2017. The drill barge Apache will mobilize to the site 13 November 2016 and commence blasting operations on 1 December 2016. Associated support equipment will be a tender tug and smaller security vessels. Blasting operations will occur 7 days a week once commenced. During blasting, temporary channel closures will be required and a minimum 1500ft security zone will be maintained. This operation will continue through 15 March 2017. Other activities on the project will include hydrographic survey operations, sturgeon monitoring and sturgeon trawling. For questions or comments please contact Timothy J. Kremer Project Manager, 630-750-5640, TJKremer@gldd.com

Chart 12312

LNM: 27/16

#### **\*\*\*\*DE/NJ – DELAWARE RIVER - COMMODORE BARRY BRIDGE INSPECTION\*\*\*\***

Bridge inspections will be conducted on the Commodore Barry Bridge, over the Delaware River, from June 29 through June 30, 2016 and July 6 through July 8, 2016. Work will be conducted from the top of the bridge in the center navigational span of the bridge. The clearance of the center span will be reduced by 10ft. The working platform under the bridge will be able to move for approaching vessel traffic. Mariners are requested to contact the bridge crew via VHF-FM channel 13 or 16 prior to approaching the bridge to ensure movement of the platform. Mariners are advised to proceed with caution when transiting the area.

Chart 12312

LNM: 27/16

#### **PA/NJ – DELAWARE RIVER – DREDGING OPERATIONS**

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 secured excavator and clamshell bucket, 2 hopper scows, 1 push boat, and 1 work boat will be in the vicinity of the dock area. All marine equipment will be monitoring VHF-FM channel 13 and 16. Work will be conducted from

**PA/NJ – DELAWARE RIVER – DREDGING OPERATIONS**

6 am to 7 pm, Monday through Saturday. Mariners are advised to proceed with caution when transiting the area.

Chart 12313

LNM: 26/16

**PA/NJ – DELAWARE RIVER- WALT WHITMAN BRIDGE – INSPECTION**

An engineering firm, on behalf of Delaware River Port Authority, will be performing an underwater inspection at the I-76 (Walt Whitman) Bridge over Delaware River, mile 96.8, in Philadelphia, PA/Gloucester City, NJ. The inspection will be conducted between July 1, 2016 and July 16, 2016; Monday-Friday; from 8 a.m. to 4:30 p.m. A 20 ft. vessel and a diver will be operating under and in the vicinity of the bridge to provide access for the inspection. Inspection personnel, equipment and vessels will relocate from navigable channel, upon request. The vessel may be reached on VHF-FM channel 13. The project foreman can be reached at (856) 207-6004. Mariners are requested to notify the project foreman at least five minutes prior to navigation through the area and should use caution when transiting the area.

Chart 12313

LNM: 26/16

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

The Army Corps of Engineers dredge Currituck will be conducting dredging operations at the entrance of the Shark River Inlet, in Belmar, NJ, from July 1 to July 15, 2016. At no time will the navigational channel be closed for vessel traffic. Vessels approaching the entrance are requested to contact the dredge Currituck for safe passing arrangements via VHF-FM channel 13 or 16. Mariners should use extreme caution when transiting the area.

Chart 12324

LNM: 27/16

**NJ- LITTLE EGG INLET TO HEREFORD INLET - GREAT EGG HARBOR INLET**

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. Mariners are advised to proceed with caution when transiting the area.

Charts: 12316 12318

LNM: 26/16

**\*\*\*\*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 FIY 4S 39-23-30 N, 074-15-00 W

Chart 11520

LNM: 27/16

**NJ – CAPE MAY HARBOR BRIDGE MAINTENANCE - LAFAYETTE ST./SHELLENGERS LANDING BRIDGE**

An engineering firm, on behalf of the Cape May County Bridge Commission, will be performing maintenance at CR 633 (Lafayette St./Shellengers Landing) bridge over Cape Island Creek, mile 0.3, in Cape May, NJ. The maintenance will be conducted between May 23 and July 29, 2016; M-F; from 7 a.m. to 6 p.m. The maintenance team, intends to repair, rehabilitate the structure of the bridge, and will remove portions of the existing electrical and mechanical aspects of the old bascule bridge. A sectional barge will be in the vicinity of the navigable channel. Maintenance personnel, equipment will relocate from the navigable channel, upon request. The project foreman can be reached at (732) 558-0348. Mariners should use caution when transiting the area.

Chart 12317

LNM: 26/16

**NJ - CAPE MAY HARBOR – DREDGING**

Barnegat Bay Dredging will be conducting dredging operations in Cape May Harbor, in Cape May, NJ, from June 28 to July 22, 2016. Dredging will be conducted in the main navigational channel and dredge pipeline will be submerged in marked locations when crossing the navigational channel near Spicers Creek. Floating dredge pipe will be located in the north side of the harbor near Cape May Harbor Daybeacon 13 (LLNR 36760). Work vessels will monitor vhf-fm channel 13 and 16 and to make safe passing arrangements. At no time will the waterway be closed for vessel traffic. Mariners are requested to maintain a low speed to reduce wake in the area and are advised to proceed with caution when transiting the area.

Chart 12317

LNM: 27/16

**MD – CHESAPEAKE BAY - CHESTER RIVER – LOVE POINT FISH HAVEN**

On or about 11 – 15 Jul 2016, Contractors working with the Maryland Department of Natural Resources, Fisheries Service will be deploying artificial reef material in the Love Point Fish Haven in the Chesapeake Bay approximately 2 miles north of Kent Island. Below are the corner points of the fish haven.

NW Corner: 39°4.024'N / 76°17.504'W

SW Corner 39°3.949'N / 76°17.543'W

NE Corner: 39°04.047'N / 76°17.263'W

SE Corner: 39°03.950'N / 76°17.270'W

The material will be deployed from a stationary barge with a clamshell dredge. Address any comments or questions to Michael Malpezzi, Artificial Reef Coordinator, Maryland Department of Natural Resources, Fisheries Service, 410-260-8290.

Chart 12272

LNM: 25/16

**\*\*\*\*MD – CHESAPEAKE BAY – TILGHMAN ISLAND FISH HAVEN\*\*\*\***

On 29 July 2016, the Maryland Department of Natural Resources DNR, the Chesapeake Bay Foundation (CBF) and the Coastal Conservation Association of Maryland will be placing 72 oyster-seeded reef balls in the Tilghman Island Fish Haven site bounded by the approximate positions:

**\*\*\*\*MD – CHESAPEAKE BAY – TILGHMAN ISLAND FISH HAVEN\*\*\*\***

NW 38 41.80' N, 76 22.88' W  
SW 38 41.30' N, 76 22.88' W  
NE 38 41.80' N, 76 22.43' W  
SE 38 41.30' N, 76 22.43' W

The CBF vessel Patricia Campbell will be anchored or spudded-down on site from approximately 10:00 to 15:00 during the deployment. For question or concerns contact Michael Malpezzi, Artificial Reef Coordinator MD DNR, Fisheries Service, 410-260-8290.

Chart 12266

LNM: 28/16

**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 7. 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](mailto:anna.m.compton@usace.army.mil) for further information.

Charts: 12266 12270

LNM: 17/16

**\*\*\*\*VA – CHESAPEAKE BAY – CAPE CHARLES TO WOLF TRAP – PIPELINE OPERATIONS\*\*\*\***

Cottrell Contracting Corporation of Chesapeake VA tender boat Saxon will be conducting pipeline operations in the Cherrystone Channel and Cape Charles City Harbor, Cape Charles VA. The pipe line operations will be conducted from July 11 through August, 2016.

All mariners are requested to stay clear of the pipelines, barge, and derricks. All operators should be aware that the barges and pontoons are held in place by cables, which are attached to anchors some distance from the barge and pontoons. Submerged lines should be avoided. Mariners are requested to exercise extreme caution when approaching, passing, and leaving the area. The tender boat Saxon monitors VHF channels 13 and 16. Mariners are cautioned to strictly comply with the Inland Rules of the Road when approaching, passing and leaving the area of operations.

Chart 12224

LNM: 28/16

**VA – CHESAPEAKE BAY – CHESAPEAKE BAY BRIDGE TUNNEL**

On behalf of the Chesapeake Bay Bridge and Tunnel District, Versar Inc will be conducting in-water benthic sampling. The surface sediment benthic sampling will be performed outside of all navigation channels. All samples are located west of the Chesapeake Bay Bridge and Tunnel Portal Island Nos. 1 and 2 and within

approximately 700 feet of the islands. Twenty sediment samples will be collected from a 25 foot vessel, and all sample locations are outside of the main and auxiliary navigation channels. The survey is planned to commence between August 1 and August 15, 2016, and it is anticipated the work will be completed in two days (weather dependent) during this time frame. All sampling will be performed during daylight hours. Should your agency have any questions or comments regarding this proposed activity please contact 757-331-2960.

Charts: 12221 12222

LNM: 27/16

**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, helicopter air drops and recovery.

Naval Anchorage Area A and B, 12 July 2016. Between the hours of 8:00 am and 12:00 noon.

Naval Anchorage Area A and B, 14 July 2016. Between the hours of 8:00 am and 12:00 midnight.

Naval Anchorage Area A and B, 15 July 2016. Between the hours of 12:00 midnight and 4:00 pm.

Naval Anchorage Area A and B, 18 – 19 July 2016. Between the hours of 8:00 pm 18 Jul and 4:00 am 19 Jul.

Naval Anchorage Area A and B, 22 July 2016. Between the hours of 7:00 am and 12:00 noon.

Naval Anchorage Area A and B, 16 - 26 July 2016. 24 hours a day for this period.

Naval Anchorage Area B, 20 – 27 July 2016. Between the hours of 7:00 am and 5:00 pm.

Military Operations will be conducted in the following areas during the dates and times listed. Operations may consist of Unmanned Aerial Vehicles, small boat operations with numerous boats, helicopter air drops and recovery.

Naval Anchorage Area A, 28 Jun 2016. Between the hours of 9:00 am and 3:00 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: 20/16

**VA – ELIZABETH RIVER – NAVAL STATION NORFOLK**

Naval Station Norfolk will conduct training exercises July 12-15 and 18-19, 2016 along the waterfront of Naval Station Norfolk. The exercises will take place between 8:00 am and 5:00 pm in the Elizabeth River in approximate position 36 56' 30" N, 76 20' 05"W, 36 56' 50"N, 76 20' 05"W, in the vicinity of Piers 5 to 7. The exercise will include vessels from the NAVSTA Harbor Security Unit and Atlantic Targets. Mariners may contact the units on VHF-FM channels 82 and 69.

Chart 12245

LNM: 27/16

**\*\*\*\*VA – ELIZABETH RIVER – SOUTHERN BRANCH - EMERGENCY BRIDGE OPERATING SCHEDULE\*\*\*\***

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 September 19, 2016. The bridge will be maintained in the closed-to-

**\*\*\*\*VA – ELIZABETH RIVER – SOUTHERN BRANCH - EMERGENCY BRIDGE OPERATING SCHEDULE\*\*\*\***

navigation position until midnight September 18/19, 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 bridge will open on signal for emergency vessels if at least 1 hour notice is given. The vertical clearance of the bridge in the closed position is 36 feet above mean high water and vessels able to safely pass through the bridge in the closed position may do so. Mariners should use extreme caution when transiting the area.

Chart 12253

LNM: 28/16

**\*\*\*\*VA – CHESAPEAKE BAY – YORK RIVER - COLEMAN MEMORIAL BRIDGE\*\*\*\***

The Coleman Memorial Bridge (US 17), at mile 7.0, at Yorktown, VA, will be in the closed-to-navigation position on the following Sundays from 7 a.m. to 7 p.m:

Sunday, May 15, 2016 with an inclement weather date on Sunday, May 22, 2016  
Sunday, June 5, 2016 with an inclement weather date on Sunday, June 12, 2016  
Sunday, June 19, 2016 with an inclement weather date on Sunday, June 26, 2016  
Sunday, July 10, 2016 with an inclement weather date on Sunday, July 17, 2016  
Sunday, July 31, 2016 with an inclement weather date on Sunday, August 7, 2016  
August 21, 2016 with an inclement weather date on Sunday, August 28, 2016

The bridge has a vertical clearance in the closed position of 60 feet above mean high water and vessels able to safely pass through the bridge in the closed position may do so at anytime and are advised to proceed with caution. During this modified temporary deviation, the bridge will not be able to open for emergencies and there is no immediate alternate route for vessels unable to pass through the bridge in the closed position. At all other times, the bridge will operate in accordance with the operating regulations set out in Title 33 Code of Federal Regulations Part 117.1025. Mariners should adjust their transits accordingly.

Chart 12241

LNM: 28/16

**VA – CHESAPEAKE BAY – YORK RIVER – TEMPORARY MOORING BUOYS**

On or about July 1, Corman Marine will establish 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. The buoys will be discontinued on or about January 1, 2017. Ten of the buoys will be north of the York River Channel, approximately 1500 yards south of Allens Island. The two buoys south of the channel will be located approximately 500 yards west of the northern entrance to Goodwin Thorofare Channel. All buoys will be white with a blue stripe. When not occupied by a vessel, the buoys will be outfitted with slow flashing white lights.

Allens Island Mooring Buoy A 37-14-38N, 076-27-00W  
Allens Island Mooring Buoy B 37-14-38N, 076-26-44W  
Allens Island Mooring Buoy C 37-14-38N, 076-26-30W  
Allens Island Mooring Buoy D 37-14-32N, 076-26-10W  
Allens Island Mooring Buoy E 37-14-31N, 076-25-53W  
Allens Island Mooring Buoy F 37-14-32N, 076-25-37W  
Allens Island Mooring Buoy G 37-14-37N, 076-25-22W  
Allens Island Mooring Buoy H 37-14-41N, 076-25-08W  
Allens Island Mooring Buoy I 37-14-45N, 076-24-50W  
Allens Island Mooring Buoy J 37-14-49N, 076-24-35W  
Goodwin Neck Mooring Buoy A 37-13-42N, 076-25-28W  
Goodwin Neck Mooring Buoy B 37-13-42N, 076-25-18W.

Chart 12241

LNM: 26/16

**\*\*\*\*VA – RUDEE INLET CHANNEL AND LYNNHAVEN INLET – DREDGING\*\*\*\***

The Dredge Currituck will be conducting dredging operations in Rudee Inlet Channel and Lynnhaven Inlet Entrance Channel from Lynnhaven Light 2 (LLNR 10135) to Lynnhaven Buoy 6 (LLNR 10145), portions of the center of Turning Basin and Long Creek from Long Creek Channel Daybeacon 2 (LLNR 10160) to Long Creek Daybeacon 7 (LLNR 10167) from July 23 through Aug 2, 2016. The Dredge may alternate between projects during the entire time to take advantage of favorable weather. Work will be 12 hours a day from 0600 - 1800, 7 days a week.

Charts: 12208 12254

LNM: 28/16

**VA - SHOALING IN THE RUDEE INLET CHANNEL**

The City of Virginia Beach Survey of Rudee Inlet, dated May 9, 2016 indicates shoaling across the channel from approximately 25 feet east of the east ends of the jetties extending out eastward approximately 185 feet. Least depths range from 10.0 feet to 7.5 feet MLLW.

Charts: 12205 12207 12208 12221

LNM: 10/16

**VA/NC – EMERGENCY BRIDGE OPERATING SCHEDULE, NORFOLK TO ALBEMARLE SOUND – NORTH LANDING RIVER OR GREAT DISMAL SWAMP**

The S165 Bridge across the North Landing River, mile 20.2, at Chesapeake, VA has sustained damage and will not be capable of normal operation until October 1, 2016. The north span of the bridge is fully operational and the south span of the bridge is limited in operational capability. 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. 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. 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.

**VA/NC – EMERGENCY BRIDGE OPERATING SCHEDULE, NORFOLK TO ALBEMARLE SOUND – NORTH LANDING RIVER OR GREAT DISMAL SWAMP**

Chart 12206

LNM: 12/16

**NC - ROANOKE SOUND - MANTEO, NC - SUBMARINE CABLE INSTALLATION**

Beginning April 21, 2016 Crofton Diving Corporation will be installing a submarine cable on the east side of Manteo, NC crossing Roanoke Sound to Nags Head, NC. The cable will be buried and operations will be taking place between the following two locations: 35° 56'03.07N and 75 ° 41'27.53W & 35° 57'08.55N and 75 ° 37'58.76W. The project is scheduled to end on July 20, 2016, installation operations will include cable laying operations utilizing commercial divers and general marine construction. Barges & vessels will be moored on site with divers working over the side. The construction equipment will be confined to the barges with small crew boats working in the vicinity. Work will be conducted during daylight hours only. All floating equipment will be clear of navigable channel sections of the waterway at the end of each day. Vessels are requested to proceed in this area with caution and causing no wake. Crofton's crews will be monitoring the following radio frequencies: VHF channel 13 & 16 or by telephone at (757) 418-1308.

Chart 12204

LNM: 17/16

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

On or about July 1, 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 September 1. The three-foot diameter buoy is white and blue, with a slow flashing yellow light. Masonboro Island Research Buoy A FI Y 4S 34-09-56.2 N, 077-49-21.9 W.

Chart 11520

LNM: 26/16

**\*\*\*\*NC - NEUSE RIVER TO MYRTLE GROVE SOUND – NEW RIVER TO CAPE FEAR RIVER\*\*\*\***

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

Chart 11541

LNM: 28/16

**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 June 20th to September 30 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](mailto:ops.ferdinand.hassler@noaa.gov)

Chart 11536

LNM: 21/16

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**SECTION VIII - LIGHT LIST CORRECTIONS**

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

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(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
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## SECTION VIII - LIGHT LIST CORRECTIONS (Continued)

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
28732	Hatteras Inlet Channel Buoy 12	35-12-20.604N 075-43-55.320W				Red nun.	28/16
		*					
29840	Stones Bay Warning Daybeacon	34-36-23.556N 077-26-08.043W				NW on pile.	DANGER LIVE FIRING AREA. 28/16
		*					
29865	Grey Point Warning Daybeacon	34-37-40.797N 077-22-04.138W				NW on pile worded DANGER LIVE FIRE SECTOR - CONSULT NOTICE TO MARINERS.	28/16
		*					
34425	THOROFARE CHANNEL LIGHT 1	34-55-31.314N 076-19-24.906W	FIG 4s	15	4	SG on pile.	28/16

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**PUBLICATION CORRECTIONS**


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None

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**ENCLOSURES**


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**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. Harris Creek Oyster Reef Restoration sites.
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## **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

### **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 - 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 Warning Day beacon AA (LLNR 5520) to VIP Day beacon 121 (LLNR 5990), Shoaling to less than 6ft MLW. LNM 24-13  
VIP Day beacon 19 (LLNR 5645) to VIP Light 80 (LLNR 5850 ), Shoaling to less than 6ft MLW. LNM 24-13

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 – 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 the 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 – 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** (Charts 12205, 12207, 12208 and 12221)

The City of Virginia Beach Survey of Rudee Inlet, dated March 2, 2016 indicates shoaling across the channel from the approximate East ends of the jetties extending out eastward approximately 240 feet. Least depths range from 6.6 feet to 5.6 feet MLLW. Ref LNM 05/16

## **NORTH CAROLINA SHOALING**

**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 D5 BRIDGE PERMITS/REGULATIONS/CONSTRUCTION**

(Yellow indicates new item)

### **CURRENT PROJECTS**

#### **Permits:**

##### **SECTOR MARYLAND-NATIONAL CAPITAL REGION**

- **Maryland** - None
- **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 – US 301/Harry W. Nice Memorial (fixed) Bridge Crossing - Study underway to consider rehabilitation or replacement of existing bridge. Draft FONSI has been released. MDTA is developing Navigation Evaluation to propose navigational clearances.

##### **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** –
- **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.  
Potomac River – Arlington Memorial Bridge - Mariners are advised that emergency concrete and steel repairs will be conducted from August 17, 2015 until July 1, 2016. Work will be completed from a barge anchored in and around the navigable channel and will be relocated outside the channel during non-working hours. The bridge has a vertical clearance of 30 feet at MHW and a horizontal clearance of 142 feet when unobstructed. Mariners should exercise extreme caution when transiting the area.  
Choptank River - MD 331/Dover (fixed) Bridge – CG Bridge Permit signed by CGHQ on September 16, 2014. Maryland State Highway Administration is constructing a new fixed single-span concrete bridge, adjacent to the

existing swing bridge to be completed in August 2016. The existing swing bridge will be retained for historic purposes and placed in the open position to navigation. The new bridge will have a vertical clearance of 48.5 feet above mean high water (MHW) and a horizontal clearance with two separate 80-foot channels between face of pilings.

Chester River - S213 (MD213) Bridge - The bridge will be maintained in the closed-to-navigation position between 6 a.m. on February 22, 2016 until 6 p.m. on July 31, 2016 to facilitate a bridge stringer replacement project. During the closure period the bridge will be able to open for emergencies, if at least six hours notice is given. The vertical clearance of the bridge in the closed position is 12 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 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.

Washington Channel – Francis Case Bridge - Scaffolding will be installed on the bridge from December 5, 2015 until August 1, 2016. The charted vertical clearance of the bridge is 18 feet above mean high water and the scaffolding will restrict the vertical clearance by 4 feet, leaving a vertical clearance of 14 feet available. Red quick flashing lights will be installed every 10 feet to mark the edge of the scaffolding. Mariners should exercise extreme caution when transiting the area.

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**

Brandywine Creek - Smiths Bridge Road bridge - Maintenance will be conducted between June 1, 2016 and July 15, 2016; Monday-Friday, from 7 a.m. to 5 p.m. A work access platform will be positioned below the bridge while abrasive blasting and painting occur. The project foreman can be reached at (410) 599-6522 or (302) 290-3824. Mariners should use caution when transiting the area.

- **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.

Cape Island Creek - CR 633 (Lafayette St./Shellengers Landing) bridge - Maintenance will be conducted between May 23, 2016 and July 29, 2016; M-F; from 7 a.m. to 6 p.m. The maintenance team, intends to repair, rehabilitate the structure of the bridge, and will remove portions of the existing electrical and mechanical aspects of the old bascule bridge. A sectional barge will be in the vicinity of the navigable channel. Maintenance personnel, equipment will relocate from the navigable channel, upon request. The project foreman can be reached at (732) 558-0348. 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 - SR 1002 (Skinners Falls) bridge - Maintenance will be conducted between May 5, 2016 and July 15, 2016; from 7 a.m. to 5 p.m. Monday-Friday. During the repair and rehabilitation of the bridge, the vertical clearance of the bridge will be reduced to 26 feet at ordinary high water and directional buoys will be positioned

in the channel to aid mariners to safely navigate through the bridge. The project foreman can be reached (570) 963-4013. 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.

Mattox Creek – Route 205/James Monroe Highway (fixed) Bridge – Work is in progress through July 1, 2016 to complete demolition and replacement the existing fixed highway bridge, with a new two-lane fixed highway bridge on the same alignment. The new bridge will have a vertical clearance of 4.7 feet above mean high water, along with a horizontal clearance of 49.5 feet between piles.

North Landing River - S165 Bridge – Bridge has sustained damage and will not be capable of normal operation until October 1, 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. 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 September 19, 2016. The bridge will be maintained in the closed-to-navigation position until midnight September 18/19, 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 bridge will open on signal for emergency vessels if at least one hour notice is given. The vertical clearance of the bridge in the closed position is 36 feet above mean high water and vessels able to safely pass through the bridge in the closed position may do so. Mariners should use extreme caution when transiting the area.

York River - Coleman Memorial Bridge (US 17) – Bridge will be maintenance in the closed-to-navigation position on certain Sundays from 7 a.m. to 7 p.m. as follows: Sunday, May 15, 2016 with an inclement weather date on Sunday, May 22, 2016; Sunday, June 5, 2016 with an inclement weather date on Sunday, June 12, 2016; Sunday, June 19, 2016 with an inclement weather date on Sunday, June 26, 2016; Sunday, July 10, 2016 with an inclement weather date on Sunday, July 17, 2016; Sunday, July 31, 2016 with an inclement weather date on Sunday, August 7, 2016; and August 21, 2016 with an inclement weather date on Sunday, August 28, 2016.

The bridge has a vertical clearance in the closed position of 60 feet above mean high water and vessels able to safely pass through the bridge in the closed position may do so at anytime and are advised to proceed with caution. During this modified temporary deviation, the bridge will not be able to open for emergencies and there is no immediate alternate route for vessels unable to pass through the bridge in the closed position. At all other times, the bridge will operate in accordance with the operating regulations set out in Title 33 Code of Federal Regulations Part 117.1025. Mariners should adjust their transits accordingly.

## 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 1, 2016; 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 foreman and work vessels may be reached on VHF-FM channel 13 or (919) 340-3666. Mariners should notify the project foreman 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 11<sup>th</sup> 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). Draft Vessel Height Survey Report in review.

##### **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**

### **DE/NJ – DELAWARE RIVER - TINICUM RANGE AND MARCUS HOOK RANGE - 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](mailto:TJKremer@gldd.com). Ref LNM 27/16

### **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- 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 – ABSECON INLET – DEMOBILIZATION WORK** (Chart 12316)

Great Lakes Dredge & Dock Company is continuing its demobilization work off shore and in Absecon Inlet until **15 July 2016**. Work consists of the retrieval and towing of floating steel pipeline from offshore areas on the north side of Corson's Inlet to the staging areas in Absecon Inlet. If you have any questions contact John D. Huit, Project Manager, 630-207-5196, [JDHuit@gldd.com](mailto:JDHuit@gldd.com). Ref LNM 23/16

### **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

### **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 – BALTIMORE HARBOR – FT MCHENRY – SEAGIRT – BREWERTON EASTERN EXTENSION – CRAIGHILL CHANNELS – DREDGING** (Chart 12280)

Mariners are advised that Great Lakes Dredge and Dock Company dredges DREDGE 54 AND DREDGE 55 have begun dredging operations within the Fort McHenry, Seagirt, Brewerton Eastern Extension and Craighill Channels, with a completion date expected on or about **12 July, 2016**. Ref LNM 08/16

### **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 **Sept 2016**. Please contact Maura Morris, Project Manager at 410-729-8369 for questions or additional information.

### **MD – CHESAPEAKE BAY – APPROACHES TO BALTIMORE HARBOR – BALTIMORE HARBOR – MARINE CONSTRUCTION PROJECT** (Chart 12281)

Pier rebuilding project at Dundalk Marine Terminal Berth 4 in Baltimore, MD until **July 2016**. Ref. LNM 30/14

**MD - CHESAPEAKE BAY - SUSQUEHANNA RIVER - BRIDGE REPAIRS** (Chart 12274)

Blastech Enterprises, will be conducting repairs, cleaning, and painting on the Millard E. Tydings Memorial Bridge on I-95, at mile 3.2, over Susquehanna River in Havre De Grace, MD, from April 15, 2015 through **15 August, 2016**. Ref LNM 11/15

**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

**DC - UPPER POTOMAC RIVER/WASHINGTON CHANNEL** (Chart 12289)

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

**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 will be white with a blue stripe, with slow flashing white lights. Ref LNM 26/16

**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 - CHERRYSTONE INLET CHANNEL - DREDGING** Chart 12224

The Dredge Rockbridge 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 - CHESAPEAKE BAY - ELIZABETH RIVER - DREDGING OPERATIONS** (Chart 12245)

Dredge ROCKBRIDGE will be conducting dredging operations in various locations within the Elizabeth River between Elizabeth River Lighted Buoy 7 (LLNR 8475) and Elizabeth River Channel Lighted Buoy 25 (LLNR 9710) until **15 July, 2016**. Ref LNM 22/16

**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 - JAMES RIVER - NEWPORT NEWS TO JAMES ISLAND - SKIFFES CREEK - DREDGING** (Chart 12248)

Dredge Marion of Cottrell Contracting Corporation of Chesapeake, VA will be conducting dredging operations in Skiffes Creek Federal Channel into Joint Base Langley-Eustis, Newport News from Skiffes Creek Channel Lighted Buoy 2 (LLNR 11725) to the innermost dock at Joint Base Langley-Eustis. Dredging pipeline will run behind the dredge on the landward side of Restricted Area 334.280 and then on to shore. The dredge will conduct operations from May 11 through **July 31, 2016**. Ref: LNM 19/16

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

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

**VA - JAMES RIVER - NEWPORT NEWS - DEMOLITION AND PIER REPAIRS UPDATED** (Chart 12248)

Crofton Diving Corporation is currently conducting demolition and repair operations to the James River Fishing Pier until **28 August, 2016**. Ref LNM 27/15, 37/15

**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/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 - ROANOKE SOUND - MANTEO, NC - SUBMARINE CABLE INSTALLATION** (Chart 12204)

Crofton Diving Corporation will be installing submarine cable on the east side of Manteo, NC crossing Roanoke Sound to Nags Head, NC from 21 April to **20 July 2016** daylight hours only. Operations will be taking place between: 35° 56'03.07N and 75° 41'27.53W & 35° 57'08.55N and 75° 37'58.76W. Barges & vessels will be moored on site with divers working over the side. Crofton's crews will be monitoring the following radio frequencies: VHF channel 13 & 16 or (757) 418-1308. Ref LNM 17/16

**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 – (AICW) - PASQUOTANK RIVER - US 158 BRIDGE CONSTRUCTION** (Chart 12206)

Mariners are advised that Archer Western Contractors, LLC will be extending bridge construction at US 158 Bridge in Elizabeth City, North Carolina to end approximately **July 1<sup>st</sup>, 2016**. Ref LNM 05/16

**NC – CROATAN SOUND –DARE COUNTY - BRIDGE CONSTRUCTION**

Mariners are advised to take caution and proceed slowly when approaching the construction site of the fender replacement on Bridge #9 across the Croatan Sound in Dare County on US64 Business, Old Mann's Harbor Bridge. May 2, through **August 15, 2016** during daylight hours. Ref LNM 11/16

**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 – KINDER MORGAN PIER – CONSTRUCTION** (Chart 11537)

Precon Marine will commence construction on the Kinder Morgan pier, beginning on February 29<sup>th</sup> 2016. The project will continue until approximately **July 1<sup>st</sup>, 2016**. Ref LNM 09/16

**NC - CAPE FEAR RIVER – PORT OF WILMINGTON – DREDGING** (Chart 11537)

The Bucket dredge VIRGINIAN and auxiliary equipment will be conducting dredging operations in the vicinity of the Port of Wilmington, NC, Lower Anchorage Basin and Kinder Morgan Liquid Bulk Pier on the Cape Fear River until approximately **30 August, 2016**. Ref LNM 23/16.

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

### **NJ – CAPE MAY TO ATLANTIC CITY – INTRACOASTAL WATERWAY - OPERATION PHOENIX**

Operation Phoenix is a paddle board event which started in Corpus Christi TX on March 5, 2016 and will end in New York City Harbor on **July 23, 2016**. The event will consist of 2 paddleboards approximately 14 feet in length, 1 Sea Doo and 1 safety boat approximately 24 feet in length transiting the waters of the of the Fifth Coast Guard District enroute New York City. Additional information on the transit will be posted as the event progresses to New York. A safety boat will monitor VHF-FM Channel 16. For additional information, mariners can contact Tonia Collins at (910) 633-9578 or use this link to track the progress of the event: <https://www.boteboard.com/operation-phoenix/>

### **MD – CHESAPEAKE AND DELAWARE CANAL AND HEAD OF CHESAPEAKE BAY – POKER RUN**

The annual "Thunder in the City" poker run is scheduled to occur in the upper Chesapeake Bay on Saturday, **July 23, 2016**, between 10 a.m. and 5 p.m. Several high-performance power boats will depart Chesapeake City, MD, transiting westbound in the Chesapeake and Delaware Canal and southbound in the Chesapeake Bay to planned stops at Stillpond Creek, Tolchester Marina, Kent Island (Hemmingway's Marina) and Tolchester Marina, before returning to Chesapeake City, MD. 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 12274, 12278

### **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.bcy.com](http://www.bcy.com). 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 – APPROACHES TO BALTIMORE HARBOR – PATAPSCO RIVER – SAILING REGATTA**

The an annual distance sailboat race is scheduled to occur in the Approaches to Baltimore Harbor and Patapsco River on **July 16, 2016**, from 10 a.m. to 6 p.m. Approximately 50 sail boats (24 to 50 feet in length) will compete on a designated course located between Baltimore Light (LLNR 8035) and Fells Point at Baltimore, MD. More information can be obtained at Baltimore City Yacht Association's (BCYA) website: [www.bcy.com](http://www.bcy.com). 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 Baltimore, Waterways Management Division, at (410) 576-2674 or (410) 576-2693. Charts 12278, 12281

### **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 – 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: April 23 (*Spring One Design*), April 29-May 1 (*NOOD Regatta*); May 14 (*Spring Harbor Regatta*), May 21-22 (*U.S. Sailing Match Race Qualifier*); June 11 (*Annual Regatta and Annual Regatta Distance Race*), June 18-19 (*CRAB Cup*); July 7 (*Junior Annual Regatta*), July 16-17 (*Free State Team Race*), 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](mailto: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 – SEVERN RIVER – SAILING REGATTA SERIES**

The Eastport Yacht Club's (EYC) annual Friday Night Beer Can Series event is scheduled to occur in the Severn River each Friday evening from May 6 through **August 26, 2016**, from 5:30 p.m. to 8:30 p.m. Approximately 45 sail boats (25 to 45 feet in length) will compete in sail races on a designated course in the Severn River, located between the mouth of the Severn River and the entrance to Spa Creek, at Annapolis, MD. More information can be obtained at the EYC website: [www.eastportyc.org](http://www.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.  
Charts 12282, 12283

#### **MD – CHESAPEAKE BAY – CHOPTANK RIVER AND HERRING BAY – CHOPTANK RIVER – SAILING REGATTA**

An annual sailing regatta is scheduled to occur in the Choptank River during **July 22-24, 2016**, at Cambridge, MD, as follows: on Friday, up to 50 sailing dinghies will compete along a designated course located adjacent to the Cambridge Yacht Club from 5 p.m. to 6 p.m.; on Saturday, up to 75 sailboats will compete on a designated course located between the Sen. Frederick C. Malkus Jr. (US-50) Bridge and Choptank River Channel Daybeacon 19A (LLNR 24970) from 10 a.m. to 4 p.m.; on Sunday, approximately 15 sailboats will compete in a distance race from Cambridge, MD to Oxford, MD from 12 Noon to 2 p.m. Interested mariners can contact the Cambridge Yacht Club Race Committee via marine band radio VHF-FM channel 68. 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 12266

#### **VA - CHESAPEAKE BAY - HORSESHOE - YORK SPIT - TAIL OF THE HORSEHOE**

The Cruising Club of Virginia will be hosting the CCV 2016 Moonlight Triangle Race on the Chesapeake Bay, beginning near Fort Monroe, heading north to York Spit, continuing on to the Chesapeake Bay Bridge Tunnel and returning to Fort Monroe in Hampton, VA. This event will begin at 4 p.m. on July 23, 2016 and end at 1 a.m. on **July 24, 2016**. Mariners are requested to use caution when transiting the area.

#### **VA - CHESAPEAKE BAY - ONANCOCK - OCCOHANNOCK**

The Pungoteague Ruritan Club will host the Bayside Poker Run on **July 30, 2016** from 10 a.m. to 5 p.m. This event will include Bayside Creeks, Onancock, Pungoteague, Nandua and Occohannock Creek. Mariners are requested to use caution and bare steerage when transiting the area.

#### **MD – CHESAPEAKE BAY – PATUXENT RIVER AND VICINITY – SAILING REGATTA**

The Southern Maryland Sailing Association will sponsor its "Screwpile Lighthouse Challenge 2016" sailing regatta on the Chesapeake Bay and Patuxent River, during **July 15-17, 2016**, from 9 a.m. to 4 p.m. each day. Approximately 80 sailboats (23-40 feet in length) will participate. On Friday and Sunday, racing will occur within designated course areas located (1) between Drum Point and Little Cove Point, and (2) near Cedar Point. On Saturday, a point-to-point distance race will occur between Chesapeake Channel LB 72B (LLNR 7558) and Solomons Harbor, MD. The Chief Race Officer may be contacted on the vessel "Delfina" via marine band radio VHF-FM channels 72 and 69. For any comments or questions contact Coast Guard Sector Baltimore, Waterways Management Division, at (410) 576-2674 or (410) 576-2693.  
Chart 12270

#### **MD - SEACOAST - FENWICK ISLAND TO CHINCOTEAGUE ISLAND - OCEAN CITY – WEEKLY PYROTECHNIC SHOWS**

Weekly pyrotechnic shows are scheduled to occur along the North Atlantic Ocean each Sunday from May 28, 2016 to **September 4, 2016**, at 9:30 p.m. The weekly shows will occur on the beach at North Division and 1<sup>st</sup> Streets in Ocean City, MD, in approximate position latitude 38°33'07.3" N, longitude 075°03'38.0" W. Absent specific guidance, mariners should remain 50 yards from the show site.  
Chart 12211

#### **MD - SEACOAST - FENWICK ISLAND TO CHINCOTEAGUE ISLAND - OCEAN CITY – WEEKLY FIREWORKS DISPLAYS**

Weekly short-duration, aerial fireworks displays are scheduled to occur along the North Atlantic Ocean from July 11, 2016 to **September 3, 2016**, at 10 p.m. Each Monday and Tuesday during this period, fireworks will be discharged from the beach at North Division and 1<sup>st</sup> Streets in Ocean City, MD, in approximate position latitude 38°19'44.2" N, longitude 075°05'03.1" W. Absent specific guidance, mariners should remain 100 yards from the fireworks discharge site. 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 - SEACOAST - FENWICK ISLAND TO CHINCOTEAGUE ISLAND – ASSAWOMAN BAY - WEEKLY FIREWORKS DISPLAYS**

Weekly short-duration, aerial fireworks displays are scheduled to occur in Assawoman Bay from July 10, 2016 to **September 4, 2016**, at 9 p.m. Each Sunday during this period, fireworks will be discharged from the pier at Northside Park in Ocean City, MD, in approximate position latitude 38°25'55.3" N, longitude 075°03'49.3" W. Mariners are urged to use caution when transiting the area, and absent specific guidance, should remain 400 feet from the fireworks discharge site. 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

#### **VA/ MD – POTOMAC RIVER – PINEY POINT TO LOWER CEDAR POINT – BRETON BAY - REGULATED AREA**

The annual "Southern Maryland Boat Club Summer Regatta" is scheduled to occur in Breton Bay on July 30, 2016, from 10 a.m. to 5 p.m., and on **July 31, 2016**, from 10 a.m. to 1 p.m. As described in Title 33 CFR Section 100.501, a regulated area is established for all waters within of Breton Bay, immediately adjacent to Leonardtown, MD shoreline, from shoreline to shoreline, within an area bounded to the east by a line drawn along latitude 38°16'43" N., and bounded to the west by a line drawn along longitude 076°38'29.5" W., located at Leonardtown, MD. The regulated area will be enforced from 9:30 a.m. through 5:30 p.m. on July 30, 2016 and from 9:30 a.m. through 1:30 p.m. on July 31, 2016. The Coast Guard Patrol Commander (PATCOM) 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 this 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, and (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 near the race course. The marine event patrol and PATCOM may be contacted on VHF-FM Channel 16. The Coast Guard PATCOM 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. Spectators are only allowed inside the regulated area if they remain within a designated spectator area. Spectators may contact the Coast Guard PATCOM 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. For any comments or questions, contact Coast Guard Sector Maryland-National Capital Region, at (410) 576-2674 or (410) 576-2693.  
Chart 12286

#### **VA - CHESAPEAKE BAY – LYNNHAVEN ROADS**

The Cape Kid's LLC will be hosting the 8th Cape Story Paddle Race 2016 on the Chesapeake Bay in Lynnhaven Roads just east of the Lynnhaven Fishing Pier in Virginia Beach, VA. Another race course has been set to begin at Lynnhaven Shores and will extend to the turnaround point just 200 yards south of the Thimble Shoal Channel Lighted Buoy 3 (LLNR 9215) and back to Lynnhaven Shores. This event will be held **August 6, 2016** from 7 a.m. to 2 p.m. with a rain date scheduled for August 7, 2016. Mariners are advised to use extreme caution while transiting the area.  
Chart 12254

#### **VA - CHESAPEAKE BAY - ONANCOCK - OCCOHANNOCK**

The Pungoteague Ruritan Club will host the Bayside Poker Run on **July 30, 2016** from 10 a.m. to 5 p.m. This event will include Bayside Creeks, Onancock, Pungoteague, Nandua and Occohannock Creek. Mariners are requested to use caution and bare steerage when transiting the area.

#### **VA - CHESAPEAKE BAY - HORSESHOE - YORK SPIT - TAIL OF THE HORSEHOE**

The Cruising Club of Virginia will be hosting the CCV 2016 Moonlight Triangle Race on the Chesapeake Bay, beginning near Fort Monroe, heading north to York Spit, continuing on to the Chesapeake Bay Bridge Tunnel and returning to Fort Monroe in Hampton, VA. This event will begin at 4 p.m. on July 23, 2016 and end at 1 a.m. on **July 24, 2016**. Mariners are requested to use caution when transiting the area.

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

The Fishing Bay Yacht Club's One Design Summer Sea Breeze, will occur on Hills Bay near Gwynn Island in Milford Haven, VA. This event will take place on **July 23, 2016** beginning at 9:00 a.m. and ending at 5:00 p.m. Mariners are requested to use caution when transiting the area.

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

The Fishing Bay Yacht Club's One Design Laser Summer Regatta 2016, will occur on Hills Bay near Gwynn Island in Milford Haven, VA. This event will take place on **July 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.

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

The Fishing Bay Yacht Club's J70 Summer Regatta 2016, will occur on the Chesapeake Bay at the mouth of the Piankatank River. This event will take place on **July 30, 2016** beginning at 9:00 a.m. and ending at 5:00 p.m. Mariners are requested to use caution when transiting the area.

#### **VA - CHESAPEAKE BAY - PIANKATANK RIVER - HILLS BAY**

The Fishing Bay Yacht Club's Leukemia Cup Regatta 2016, will occur on the Chesapeake Bay at the mouth of the Piankatank River. This event will take place on July 9 and **July 10, 2016** beginning at 9 AM and ending at 5 PM, each day. Mariners are requested to use caution when transiting the area.  
Chart 12235

#### **VA – CHESAPEAKE BAY – JAMES RIVER**

The sports backers will be hosting the Walgreen's Richmond International Dragon Boat Festival in the James River in the vicinity of Rockett's landing in Richmond, VA. This event will take place on **August 06, 2016** from 8 a.m. to 3 p.m. Mariners are requested to use caution and bare steerage while transiting the area.  
Chart 12252

**VA - CHESAPEAKE BAY - JAMES RIVER - CHICKAHOMINY RIVER**

The Rev3 Williamsburg Triathlon will occur in the Chickahominy River, in the vicinity of the Chickahominy Riverfront Park in Williamsburg, VA. This event will take place on **July 10, 2016** beginning at 6:00 a.m. and ending at 9:00 a.m. Mariners are requested to use caution when transiting the area.

**VA - CHESAPEAKE BAY – FLEETS BAY - INDIAN CREEK**

The Indian Creek Yacht and Country Club's Junior Yacht sailboat regatta will occur on the Chesapeake Bay at the mouth of Indian Creek in Kilmarnock, VA. This event will take place on **July 22, 2016** beginning at 6:00 a.m. and ending at 6:00 p.m. Mariners are requested to use caution and bare steerage when transiting the area.

**VA - CHESAPEAKE BAY - BUCKROE BEACH**

Mariners are advised that the Tidewater Triathlon will be held on **July 16, 2016**. The swim will take place in the vicinity of Buckroe Beach, Hampton, VA beginning at 7:00 A.M. and ending at 8:00 A.M. Mariners are requested to use caution when transiting the area.

**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.

**VA - HAMPTON ROADS - HAMPTON FLATS**

The Hampton Yacht Club's Tom Brady Masters Race sailboat race will occur in the vicinity of Hampton Roads and Hampton Flats in Hampton, VA. This event will take place on **July 30, 2016**, beginning at 11 a.m. and ending at 4 p.m. Mariners are requested to use caution when transiting the area.

**VA - CHESAPEAKE BAY - HAMPTON RIVER**

The Hampton Bay Day will host the annual Freaky Kon-Tiki raft race in the Hampton River, in the vicinity of Mill Point Park, in Hampton, VA. This event will take place on **July 23, 2016**, beginning at 10:00 am and ending at 5:00 pm. Mariners are advised to use caution when transiting the area.

**VA - CHESAPEAKE BAY - HAMPTON ROADS**

The Norfolk Yacht and Country Club will be hosting the New Willoughby Challenge on **July 16, 2016** from 10 a.m. to 4 p.m. north of Craney Island located in Hampton Roads, VA. Mariners are advised to use caution while transiting the area.  
Chart 12222

**VA – CHESAPEAKE BAY - ELIZABETH RIVER – LAFAYETTE RIVER**

The Norfolk Yacht and Country Club will be hosting the NYCC corn and cantaloupe regatta in the Elizabeth River and the Lafayette River in Norfolk, VA. This event will take place on **August 07, 2016** from 1 p.m. to 6 p.m. Mariners are requested to use caution and bare steerage while transiting the area.  
Chart 12245

**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 - SMITH MOUNTAIN LAKE**

The Smith Mountain Lake Cardboard Boat Regatta will be held on **July 30, 2016** from 8 a.m. to 8 p.m. in the vicinity of the 4-H Center in Wirtz, VA. Mariners are advised to use caution while 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

	Waterway	Depth	Notes
1	Oregon Inlet	<10'	BNM 642-14, areas around Bonner Bridge.
2	Hatteras Inlet	< 7'	BNM 031-16, areas around South Ferry Terminal Channel 1SF & light 7; BNM 028-15, Hatteras Channel 9 to 12C
3	Ocracoke Inlet	< 12'	Shifting shoals ITVO Bigfoot Slough Channel buoy 10 & 11
4	Barden Inlet	< 12'	Shifting shoals
5	Beaufort Inlet	<25'	BNM 036-16, Range A & Cutoff Channels buoys 16 & 17 and 13 to 15.
6	Bogue Inlet	<10'	Shifting shoals ITVO Bogue Inlet Channel buoy 1 & 2
7	New River Inlet	< 10'	BNM 003-15, Shifting shoals
8	New Topsail Inlet	<12'	Shifting shoals
9	Masonboro Inlet	<12'	Shifting shoals
10	Carolina Beach Inlet	<12'	BNM 659-15/207-16, Inlet Channel Buoy 1 to 6
11	Lockwoods Folly Inlet	<10'	Shifting shoals
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	AICWW VA - Beaufort	<12'	Stable
17	Albemarle & Currituck Sounds	<12'	Minimal shoaling

**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**



## CG Sector North Carolina Waterways Conditions



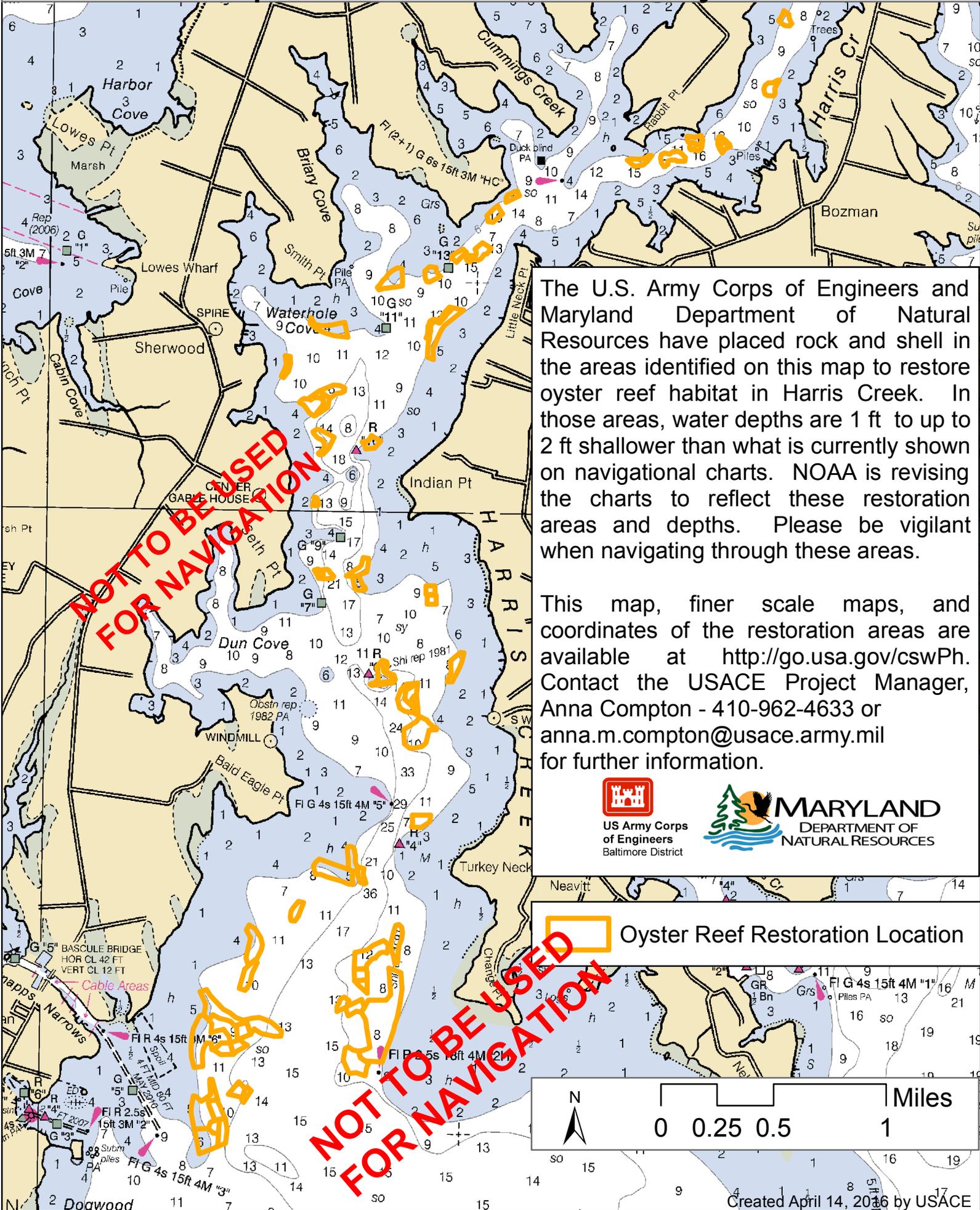
Mariners are encouraged to obtain the most recent U.S. Army Corps of Engineers Wilmington District hydrographic survey information, centerline waypoints & controlling depths at:

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



# 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](mailto: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