



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

LOCAL NOTICE TO MARINERS

District: 5

Week: 44/16

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

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

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

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

or for correspondence and article requests:

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

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

AIDS TO NAVIGATION DISCREPANCY REPORTING

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

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

REFERENCES

Light List: ATLANTIC COAST, VOLUME II, COMDTPUB P16502.2, 2016 Edition.
U.S. Coast Pilot 3, Atlantic Coast: Sandy Hook, NJ to Cape Henry, VA, 2016 (49th) Edition.
U.S. Coast Pilot 4, Atlantic Coast: Cape Henry, VA to Key West, FL, 2016 (48th) Edition.

NAVIGATIONAL INTERNET SITES

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

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

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

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

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

Chesapeake Bay Weather Buoys
<http://www.cbos.org>
Tides, Currents, PORTS
<http://www.tidesandcurrents.noaa.gov/>
Weather
<http://www.weather.gov/>

U.S. Army Corps of Engineers Willimington District Survey Maps and Shoaling Surveys

ABBREVIATIONS

A through H

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

I through O

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

P through Z

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

Additional Abbreviations Specific to this LNM Edition: None

SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

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

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

LNM: 25/16

******US - ATLANTIC SEACOAST - ENDANGERED NORTH ATLANTIC RIGHT WHALES WARNING******

Critically endangered right whales may be encountered in offshore and coastal waters. Right whales are slow moving and at risk of serious injury or death due to collisions with vessels. U.S. law (50 CFR 224.105) prohibits operating vessels 65 feet (19.8 m) or greater in excess of 10 knots in specific managed locations along the U.S. East Coast during times when right whales are likely to be present. Review NOAA's compliance guide for specific times, areas, and exceptions to this law. NOAA's updated Compliance guide for Right Whale Ship Strike Reduction Rule is located at:

http://www.fisheries.noaa.gov/pr/pdfs/shipstrike/compliance_guide.pdf

Approaching or remaining within 500 yards of right whales is prohibited and is a violation of U.S. law. A minimum distance of 500 yards must be maintained from a sighted whale unless hazardous to the vessel or its occupants. The National Oceanic and Atmospheric Administration (NOAA) recommends that operators assume that any whale sighted is a right whale unless confirmed otherwise. NOAA also recommends speeds of 10 knots or less in areas used by right whales and outside of seasonally managed areas when consistent with safety of navigation. In the northeast, please report all right whale sightings, collisions, or entanglements to 866-755-NOAA, or to the Coast Guard via channel 16. WHALESNORTH Mandatory Ship Reporting Area is active year-round. For more information, consult the U.S. Coast Pilot. MSR arrival reports can be sent via TELEX number 48156090 or email to rightwhale.msr@noaa.gov.

LNM: 43/16

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

INTERFERENCE WITH AIDS TO NAVIGATION

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

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

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

LNM: 13/16

NOAA PRODUCTION OF LITHOGRAPHIC

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

LNM: 13/16

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

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

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

LNM: 20/14

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

All mariners are advised of the special protections provided to sunken military craft by the "Sunken Military Craft Act" (SMCA) (Public Law 108-375). Along the U.S. East Coast, and particularly off North Carolina, there are many sunken U.S. and foreign military craft. Sunken military craft may be the final resting places of military personnel who died in service to their country and are also important historical resources. One very notable example is the wreck of the USS MONITOR, off the NC Coast, also protected by the National Marine Sanctuaries Act. Under international and U.S. law, sunken foreign military craft, including those located in U.S. waters, remain the property of their respective country's

government. Sovereign immune vessels, such as military crafts, are afforded protections under U.S. and international law. Included among these vessels are at least three known sunken German submarines (commonly called U-boats) located in waters off the North Carolina coast. These U-boats remain the property of the Federal Republic of Germany. In accordance with the SMCA, no person shall engage in or attempt to engage in any activity directed at a sunken military craft that disturbs, removes, or injures the sunken craft or the associated contents of the craft except as authorized by law. This includes, but is not limited to, the equipment, cargo, contents of the vessel, and the remains and personal effects of the crew and passengers. Mariners are urged to exercise due care when operating in the vicinity of military wrecks, as they can be damaged by both purposeful or inadvertent activities including anchoring, fishing, diving, and other marine activities. Special dangers, such as unexploded ordnance, may also be associated with sunken military craft, and should be considered when operating in these areas. Violations of the SMCA may subject individuals to penalties of up to \$100,000 and to liability for damages. Mariners who witness theft of material from, disturbance of, or damage to a sunken military craft are asked to report it to the nearest U.S. Coast Guard unit.

LNM: 45/09

SAFETY NOTICE - NAVIGATIONAL RANGE STRUCTURES ON ELECTRONIC CHARTS

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

LNM: 04/11

USCG NAVIGATIONAL INFORMATION SERVICE (NIS)/USCG NAVIGATION CENTER

The United States Coast Guard Navigational Information Service (NIS), operated by the USCG Navigation Center, is staffed 24 hours a day, 7 days a week. The NIS provides information on the current operational status, effective policies, and general information on GPS, DGPS, Navigational Rules, and maritime information. The NIS also disseminates Safety Broadcasts (BNM), Local Notice to Mariners (LNM), and the latest Notice Advisory to Navstar (NANU). These notices can also be obtained via e-mail subscription through the USCG Navigation Center website (<http://www.navcen.uscg.gov/?pageName=gpsSubscribe>). In addition, the NIS investigates all reports of degradation or loss of GPS, DGPS and AIS service. Mariners are encouraged to report all degradation of radio navigation services to the NIS via any of the following: Phone: 703-313-5900, Email: webmaster@navcen.uscg.mil or on the World Wide Web at <http://www.navcen.uscg.gov>.

COAST PILOT 4 - NEW EDITION

PUBLICATION – National Oceanic Atmospheric Administration (NOAA) – U.S. Coast Pilot 4, Atlantic Coast: Cape Henry, VA to Key West, FL, 48th Edition, 2016, has been issued and is ready for free download at: <http://nauticalcharts.noaa.gov/nsd/cpdownload.htm>. Print-on-Demand (POD) bound copies are available for purchase at: <http://www.nauticalcharts.noaa.gov/staff/charts.htm#POD>. The 2016 Edition cancels the preceding 2015 Edition, and incorporates all previous corrections.

LNM: 36/16

BROADCAST NOTICES TO MARINERS

Navigation information having been of immediate concern to the Mariner and promulgated by the following Broadcast Notices to Mariners (BNMs) have been incorporated in this notice when still significant at the date of this publication.
 CCGD5 (D5) - 516, 518, 520, 521, 523 THRU 529-16.
 Sector Delaware Bay (DB) - 401, 404, 405, 408, 409, 410, 411, 413, 414-16.
 Sector Maryland National Capital Region (MD) - 371-16, 370-16, 369-16, 368-16, 366-16, 365-16, 364-16, 361-16 AND 360-16.
 Sector Hampton Roads (HR) - 399-16, 398-16, 397-16, 396-16, 395-16, 394-16, 360-16, 349-16, 337-16
 Sector North Carolina (NC) - 580, 587, 595, 598, 600, 603, 612, 614, 615, 616, 618, 620, 621, 623, 624, 625, 635, 636, 640, 642, 643, 645, 646, 648-16.

SECTION II - DISCREPANCIES

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

DISCREPANCIES (FEDERAL AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
130	Five Fathom Bank Traffic Lane Lighted Buoy FB	MISSING	12214	376DB	40/16	
155	Cape May Light	REDUCED INT	12316	251DB	26/16	
270	Winter Quarter Shoal Lighted Buoy 6	MISSING	12201	331HR	38/16	

305	Wachapreague Inlet Lighted Whistle Buoy W	LT EXT	12210	385HR	42/16
350	Cape Charles Light	LT EXT	12222	384HR	18/13
480	Chesapeake Bay Southern Approach Lighted Buoy 14	REDUCED INT	12200	391HR	43/16
570	Navy Air Combat Maneuvering Range Tower Light A	LT EXT	12200	413NC	32/16
585	Navy Air Combat Maneuvering Range Tower Light G	LT EXT	12200	407NC	27/12
640	Diamond Shoals Lighted Buoy 12	REDUCED INT	11555	263NC	22/16
795	New Topsail Inlet Lighted Whistle Buoy NT	MISSING	11541	618NC	31/16
850	Frying Pan Shoals Lighted Buoy 6FP	MISSING	11536	614NC	39/16
925	Barnegat Inlet Lighted Buoy 4	OFF STA	12324	386DB	40/16
955	Barnegat Inlet Lighted Buoy 11	MISSING	12324	382DB	40/16
1110	Little Egg Inlet Lighted Buoy 3	TRUB	12316	369DB	37/16
1405	Townsend's Inlet Lighted Buoy 2T	BUOY DMGD/LT EXT	12316	414DB	44/16
1415	Townsend's Inlet Lighted Buoy 6	MISSING	12316	379DB	40/16
1645	Delaware Bay Main Channel Lighted Buoy 42	MISSING	12311	401DB	43/16
1970	Nantuxent Point Light	REDUCED INT	12304	394DB	42/16
2055	Delaware Bay East Icebreaker Light 2	STRUCT DEST/LT EXT	12216	186DB	20/16
2185	Tanker Anchorage Lighted Buoy B	LT EXT	12304	408NC	44/16
2220	Channel Crossing Buoy 1	MISSING	12304	404DB	43/16
2865	Pea Patch Island Spawn Daybeacon PPD	STRUCT DEST	12311	352DB	37/16
2915	Pea Patch Island Dike Warning Light B	STRUCT DEST/HAZ NAV	12311	351DB	37/16
3135	Marcus Hook Range Front Light	REDUCED INT	12312	306DB	32/16
3290	Tinicum Range Rear Light	LT EXT	12313	168DB	19/16
3820	Enterprise Lower Range Front Light	REDUCED INT	12314	141DB	15/16
3845	Enterprise Upper Range Rear Light	REDUCED INT	12314	140DB	15/16
4150	Kinkora Upper Range Rear Light	LT EXT	12314	616DB	47/15
4210	White Hill Range Rear Light	LT EXT	12314	405DB	43/16
5205	Chincoteague Bay Daybeacon 26	STRUCT DEST/TRUB	12211	189MD	13/15
5215	Chincoteague Bay Daybeacon 23	STRUCT DEST/TRUB	12211	190MD	13/15
5235	Chincoteague Bay Lighted Wreck Buoy WR19	LT EXT	12211	355MD	42/16
5477	Chincoteague Bay Daybeacon 16A	TRUB/STRUCT DEST	12211	223HR	11/15
5495	Chincoteague Bay Daybeacon 23	STRUCT DEST/TRUB	12211	190MD	13/15
5505	Chincoteague Bay Daybeacon 26	STRUCT DEST/TRUB	12211	189MD	13/15
5755	Virginia Inside Passage Daybeacon 49	STRUCT DEST	12210	306HR	20/15
5870	Virginia Inside Passage Daybeacon 82	STRUCT DEST/TRUB	12210	285HR	18/15
5885	Virginia Inside Passage Light 87	STRUCT DEST/TRUB	12210	264HR	17/15
5935	Virginia Inside Passage Daybeacon 103	STRUCT DEST/HAZ NAV/TRUB	12210	266HR	17/15
5940	Virginia Inside Passage Daybeacon 105	STRUCT DEST/TRUB	12210	267HR	17/15
5945	Virginia Inside Passage Daybeacon 106	STRUCT DEST/TRUB	12210	261HR	17/15
6020	Virginia Inside Passage Light 128	REDUCED INT	12210	384HR	42/16
6090	Virginia Inside Passage Daybeacon 147	DAYMK MISSING	12210	324HR	38/16
6115	Virginia Inside Passage Daybeacon 153	DAYMK MISSING	12210	056HR	07/15
6120	Virginia Inside Passage Daybeacon 154	DAYMK MISSING	12210	325HR	38/16
6137	Virginia Inside Passage Daybeacon 157B	DAYMK MISSING	12210	057HR	07/15
6145	Virginia Inside Passage Light 160	DAYMK MISSING	12210	058HR	07/15
6160	Virginia Inside Passage Daybeacon 163	STRUCT DEST	12210	226HR	14/15
6170	Virginia Inside Passage Daybeacon 165	DAYMK MISSING	12210	059HR	07/15
6180	Virginia Inside Passage Light 169	STRUCT DMGD	12210	060HR	07/15
6210	Virginia Inside Passage Light 180	STRUCT DMGD	12210	384HR	36/11
6245	Virginia Inside Passage Light 191	DAYMK DMGD	12224	014HR	02/16
6280	Virginia Inside Passage Daybeacon 199	DAYMK MISSING	12224	014HR	02/16
6285	Virginia Inside Passage Daybeacon 199A	STRUCT DEST	12224	014HR	02/16

6320	Virginia Inside Passage Daybeacon 206	DAYMK MISSING	12221	014HR	02/16
6343	Virginia Inside Passage Daybeacon 211	STRUCT DEST	12224	014HR	02/16
6348	Virginia Inside Passage Daybeacon 213	MISSING	12224	014HR	02/16
6355	Virginia Inside Passage Light 215	LT EXT/DAYMK MISSING	12224	014HR	32/13
6375	Virginia Inside Passage Daybeacon 218	DAYMK MISSING	12224	014HR	02/16
6385	Virginia Inside Passage Daybeacon 219	STRUCT DEST	12224	014HR	02/16
6390	Virginia Inside Passage Daybeacon 221	DAYMK MISSING	12224	014HR	02/16
6415	Virginia Inside Passage Daybeacon 225	DAYMK MISSING	12224	014HR	02/16
6440	Virginia Inside Passage Light 232	DAYMK MISSING	12224	200HR	02/16
6485	Virginia Inside Passage Daybeacon 244	TRLB/STRUCT DEST	12224	339HR	44/12
6495	Virginia Inside Passage Daybeacon 245A	MISSING/TRUB	12224	420HR	22/15
6600	Wachapreague Inlet Lighted Whistle Buoy W	LT EXT	12210	385HR	42/16
6605	Wachapreague Inlet Buoy 1	OFF STA	12210	362HR	42/16
6610	Wachapreague Inlet Buoy 2	OFF STA	12210	363HR	42/16
6675	Wachapreague Channel Light 9	STRUCT DEST/LT EXT/TRLB	12210	337HR	08/15
6745	Virginia Inside Passage Light 160	DAYMK MISSING	12210	058HR	07/15
6750	Quinby Creek Light 1	DAYMK MISSING	12210	319HR	38/16
6755	Quinby Creek Daybeacon 2	DAYMK MISSING	12210	320HR	38/16
6760	Quinby Creek Light 3	DAYMK MISSING	12210	321HR	38/16
6766	Quinby Creek Buoy 5	MISSING	12210	218HR	23/13
6770	Quinby Creek Daybeacon 7	DAYMK MISSING	12210	322HR	38/16
6776	Quinby Creek Lighted Buoy 9	MISSING	12210	129HR	18/12
6780	Quinby Creek Light 11	MISSING/STRUCT DEST	12210	353HR	35/13
6820	Great Machipongo Inlet Light 5	LT EXT	12224	559HR	49/15
6850	Great Machipongo Inlet Daybeacon 12	DAYMK MISSING	12210	019HR	02/16
6855	Great Machipongo Inlet Daybeacon 13	TRLB/STRUCT DEST	12210	467HR	34/15
6920	Great Machipongo Channel Light 8	STRUCT DEST/TRLB	12210	159HR	22/16
6945	Great Machipongo Channel Daybeacon 15	DAYMK MISSING	12210	018HR	02/16
6991	Sand Shoal Channel Daybeacon 3	STRUCT DEST/TRUB	12224	421HR	29/15
6992	Sand Shoal Channel Light 4	LT EXT/STRUCT DMGD	12224	016HR	02/16
6993	Sand Shoal Channel Daybeacon 5	STRUCT DEST/TRUB	12224	422HR	29/15
6994	Sand Shoal Channel Light 7	REDUCED INT	12210	140HR	21/16
8155	Brewerton Channel Range Rear Light	LT EXT	12281	303MD	35/16
9180	Back Creek Channel Lighted Buoy 28	LT EXT	12277	360MD	43/16
9730	U.S. Navy Deperming Range Light	LT EXT	12253	355HR	41/16
9732	U.S. Navy Deperming Range Z-LOOP Platform Light South	LT EXT	12253	356HR	41/16
11025	Nansemond River Channel Light 5	STRUCT DEST/TRLB	12245	367HR	42/16
11730	Mulberry Island Entrance Light 1MI	LT EXT	12248	396HR	44/16
12830	Horseshoe West Channel Daybeacon 2	DAYMK MISSING	12222	348HR	40/16
13540	Perrin River Entrance Daybeacon 9	DAYMK MISSING	12241	395HR	44/16
15610	Hoskins Creek Range Rear Light	LT EXT	12237	269HR	31/16
16405	Slough Creek Buoy 7	OFF STA	12233	393HR	43/16
17260	Wicomico River Warning Daybeacon	DAYMK MISSING	12286	323MD	24/15
17800	Port Tobacco River Daybeacon 12	STRUCT DEST/TRUB	12288	262MD	30/16
19760	Annapolis Harbor Channel Lighted Buoy 9	LT EXT	12283	369MD	44/16
19915	Spa Creek Daybeacon 3	STRUCT DEST/TRLB	12283	353MD	41/16
21413	North Channel Buoy 18	DAYMK IMCH	12224	317HR	38/16
21665	Nassawadox Creek Warning Daybeacon H	STRUCT DEST/HAZ NAV/TRUB	12226	074HR	12/16
21730	Ocohanock Creek Daybeacon 10A	DAYMK DMGD	12226	336HR	39/16
21790	Nandua Creek Channel Warning Daybeacon F	DAYMK MISSING	12226	203HR	12/15
24760	Fishing Creek Daybeacon 2	STRUCT DEST/HAZ NAV/TRLB	12264	366MD	44/16

24985	Choptank River Channel Lighted Buoy 21	BUOY DMGD	12266	371MD	44/16
27040	Harts Island Channel Daybeacon 10	DAYMK IMCH	12278	315MD	36/16
27340	Bush River Wreck Light WR7	LT EXT	12274	313MD	36/16
27600	Susquehanna River Channel Lighted Buoy 3	LT EXT	12274	365MD	43/16
28139	Oregon Inlet Channel Buoy 40	OFF STA	12204	576NC	42/16
28150	Oregon Inlet Channel Buoy 44	OFF STA	12204	576NC	42/16
28170	Oregon Inlet Channel Daybeacon 46	DAYMK MISSING	12204	576NC	42/16
28233	Old House Channel Lighted Buoy 1H	OFF STA	12204	576NC	42/16
28234	Old House Channel Lighted Buoy 2H	MISSING	12206	576NC	42/16
28235	Old House Channel Buoy 3	OFF STA	12204	576NC	42/16
28640	Hatteras Inlet Lighted Buoy 1	MISSING	11555	530NC	36/16
28715	South Ferry Terminal Lighted Buoy 7SF	OFF STA	11555	653NC	44/16
28722.5	Barney Slough Channel Lighted Wreck Buoy WR8	LT EXT	11555	615NC	43/16
29300	Harkers Island East Channel Light 10	TRLB/STRUCT DEST	11545	222NC	16/13
29430	Morehead City Channel Range Front Light	LT EXT	11547	037NC	05/16
29435	Morehead City Channel Range Rear Light	STRUCT DEST	11547	389NC	27/14
29440	Morehead City Channel Lighted Buoy 21	OFF STA	11547	648NC	44/16
29516	Bogue Inlet Buoy 5A	OFF STA	11541	474NC	36/16
29970	New Topsail Inlet Lighted Whistle Buoy NT	MISSING	11541	618NC	31/16
30020	New Topsail Inlet Buoy 7	MISSING	11541	405NC	31/16
30025	New Topsail Inlet Buoy 8	OFF STA	11541	406NC	31/16
30420	Oak Island Channel Daybeacon 2	STRUCT DEST/TRUB	11534	636NC	44/16
31047	Lockwoods Folly Inlet Buoy 12	OFF STA	11534	429NC	34/16
31170	Whale Head Bay Light 1	STRUCT DEST/TRLB	12204	553NC	18/15
31260	Knotts Island Ferry Terminal Light 4	LT EXT	12205	570NC	40/16
31520	Perquimans River Light 5	STRUCT DEST	12205	600NC	43/16
32325	Durant Point Daybeacon 4	DAYMK MISSING	11555	513NC	37/16
32330	Durant Point Daybeacon 6	DAYMK MISSING	11555	514NC	37/16
32335	Durant Point Light 8	DAYMK DMGD	11555	603NC	43/16
32360	Bluff Shoal Light Bl	REDUCED INT	11548	551NC	39/16
32475	Inner Middle Ground Light M	REDUCED INT	11548	598NC	42/16
32480	Upper Middle Ground Light UM	DAYMK MISSING	11548	616NC	43/16
33595	Neuse River Channel Light 4	DAYMK MISSING	11541	635NC	41/16
33785	Smith Creek Channel Daybeacon 10	STRUCT DEST	11541	651NC	44/16
34315	Trent River Daybeacon 20	TRLB/STRUCT DEST	11552	523NC	39/15
34455	Core Sound Light 19	STRUCT DEST/TRLB	11550	576NC	42/16
34460	Core Sound Lighted Buoy 19A	MISSING	11550	642NC	42/16
34520	Core Sound Light 24	DAYMK MISSING	11545	369NC	29/16
34595	Oyster Creek Daybeacon 3	STRUCT DEST/TRLB	11550	409NC	31/16
34830	Beaufort Harbor Channel Daybeacon 6	STRUCT DEST/TRUB	11547	587NC	42/16
34934	Manasquan Inlet Light 4	DAYMK IMCH	12324	415DB	44/16
34935	Manasquan River Light 2	LT EXT	12324	409DB	44/16
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
36025	New Jersey Intracoastal Waterway Daybeacon 268	DAYMK MISSING	12316	NONEDB	40/16
36410	New Jersey Intracoastal Waterway Daybeacon 381	DAYMK MISSING	12316	411DB	44/16
36745	Cape May Harbor Light 8	STRUCT DEST/DAYMK MISSING	12317	303DB	31/16

37735	Great Bridge to Albemarle Sound Daybeacon 151	DAYMK MISSING	12206	645NC	42/16
37765	Great Bridge to Albemarle Sound Light 157	STRUCT DMGD	12206	623NC	43/16
37775	Great Bridge to Albemarle Sound Light 161	DAYMK MISSING	12206	646NC	42/16
37905	Alligator River Daybeacon 30	STRUCT DEST/TRUB	11553	093NC	09/16
38275	Neuse River Channel Light 4	DAYMK MISSING	11541	635NC	41/16
38440	Russell Slough Junction Light RS	STRUCT DEST/TRLB	11541	385NC	12/16
38467	Russell Slough Daybeacon 6A	STRUCT DEST/TRLB	11541	517NC	37/16
38665	Money Island Channel Daybeacon 4	DAYMK MISSING	11547	NONENC	40/16
38940	Bogue Sound Daybeacon 24	STRUCT DEST/TRUB	11541	580NC	42/16
39060	Bogue Sound Daybeacon 45B	STRUCT DEST/TRUB	11541	565NC	40/16
39215	Bogue Sound - New River Light 59	LT EXT	11541	624NC	43/16
39223	Bogue Sound - New River Buoy 61A	OFF STA	11541	541NC	38/16
39245	Bogue Sound - New River Light 66	LT EXT	11541	625NC	43/16
39365	New River - Cape Fear River Light 23	STRUCT DEST/TRLB	11541	542NC	38/16
39680	New River - Cape Fear River Daybeacon 143	STRUCT DMGD/TRUB	11534	401NC	31/16
39875	New River - Cape Fear River Daybeacon 176	STRUCT DEST/TRUB	11534	416NC	32/16
40205	Cape Fear River - Little River Daybeacon 41	STRUCT DEST/TRUB	11534	573NC	40/16
40340	Cape Fear River - Little River Buoy 81	OFF STA	11534	563NC	40/16
40440	Cape Fear River - Little River Daybeacon 113	STRUCT DEST/TRUB	11534	375NC	29/16

DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
987	Barnegat Inlet Buoy 18A	WATCHING PROPERLY	12324	387DB	40/16	44/16
1455	Cape May Harbor Range Front Light 4	RELIGHTED	12317	412DB	44/16	44/16
2310	Murderkill River Range Rear Light	RELIGHTED	12304	413DB	44/16	44/16
6005	Virginia Inside Passage Light 124	RELIGHTED	12210	388HR	39/16	44/16
6010	Virginia Inside Passage Daybeacon 125	WATCHING PROPERLY	12210	250HR	30/16	44/16
6055	Virginia Inside Passage Light 138	WATCHING PROPERLY	12210	376HR	42/16	44/16
6080	Virginia Inside Passage Daybeacon 145	WATCHING PROPERLY	12210	323HR	38/16	44/16
6685	Virginia Inside Passage Light 124	RELIGHTED	12210	388HR	39/16	44/16
6690	Virginia Inside Passage Daybeacon 125	WATCHING PROPERLY	12210	250HR	30/16	44/16
10160	Long Creek Channel Daybeacon 2	WATCHING PROPERLY	12254	365HR	42/16	44/16
10435	Linkhorn Bay Daybeacon 20A	WATCHING PROPERLY	12254	369HR	42/16	44/16
23300	Big Annemessex River Light 6	WATCHING PROPERLY	12231	363MD	43/16	44/16
24345	Nanticoke River Channel Light 68	RELIGHTED	12261	NONEMD	44/16	44/16
25570	Neavitt Harbor Daybeacon 2	WATCHING PROPERLY	12266	357MD	42/16	44/16
26415	Kent Island Narrows North Approach Light 2KN	WATCHING PROPERLY	12270	362MD	43/16	44/16
28027	Oregon Inlet Lighted Buoy 13	RESET ON STATION	12204	640NC	42/16	44/16
28385	Roanoke Sound Channel Light 7	WATCHING PROPERLY	12204	639NC	44/16	44/16
28723	Barney Slough Channel Buoy 12	RESET ON STATION	11555	637NC	44/16	44/16
28830	Rollinson Channel Light 34	WATCHING PROPERLY	11555	638NC	44/16	44/16
29645	Swansboro Coast Guard Channel Light 5	RELIGHTED	11541	643NC	44/16	44/16
31395	Pasquotank River Slue Light 1PR	WATCHING PROPERLY	12206	576NC	42/16	44/16
31425	Coast Guard Base Daybeacon 1	WATCHING PROPERLY	12206	NONENC	44/16	44/16
31505	Little River Entrance Daybeacon 1L	REBUILT/RECOVERED	12205	599NC	43/16	44/16
33810	Clubfoot Creek Entrance Light 3	REBUILT/RECOVERED	11552	576NC	42/16	44/16
34675	Core Sound Light 46	RELIGHTED	11545	649NC	44/16	44/16
36733	Cape May Harbor Range Front Light 4	RELIGHTED	12317	412DB	44/16	44/16
37010	Coast Guard Base Daybeacon 1	WATCHING PROPERLY	12206	NONENC	44/16	44/16
37040	Pasquotank River Slue Light 1PR	WATCHING PROPERLY	12206	576NC	42/16	44/16

38340	Adams Creek Daybeacon 10	REBUILT/RECOVERED	11541	631NC	44/16	44/16
39726	New River - Cape Fear River Buoy 154A	RESET ON STATION	11534	634NC	44/16	44/16

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	
793.1	NC Artificial Fishing Reef Buoy AR360	OFF STA	11539	509NC	37/16	
793.6	NC Artificial Fishing Reef Buoy AR366	MISSING	11539	282NC	19/14	
819	NC Artificial Fishing Reef Buoy AR425	MISSING	11520	079NC	04/14	
1155	Marshelder Channel Buoy 3	MISSING	12316	250DB	26/16	
1690	Bidwell Creek Entrance Light 2	LT EXT	12304	NONEAC	37/06	
1960	Fortescue Creek Entrance Buoy 4	OFF STA	12304	NONEDB	17/13	
2035	Lewes Breakwater Front Light	LT EXT	12216	282DB	27/13	
2137	Bakers Channel Lighted Buoy 1B	BUOY DMGD/LT EXT	12216	592DB	44/15	
4346	Upper Delaware River Pipeline Outfall Buoy	MISSING	12314	129DB	18/12	
4875	Thorofare Channel Buoy 3	SINKING	12211	029DB	05/16	
4895	Thorofare Channel Buoy 8	BUOY DMGD	12211	285MD	32/16	
4900	Thorofare Channel Buoy 10	OFF STA	12211	121MD	09/15	
4925	Ocean Pines Yacht Club Light 2	LT EXT	12211	398MD	29/15	
4991.07	Little Assawoman Bay Daybeacon 6	STRUCT DEST	12211	341DB	35/16	
4991.08	Little Assawoman Bay Daybeacon 7	STRUCT DEST	12211	342DB	35/16	
4991.16	Little Assawoman Bay Daybeacon 15	DAYMK MISSING	12211	491HR	38/15	
4991.22	Little Assawoman Bay Daybeacon 21	STRUCT DMGD	12214	490HR	38/15	
5165	Chincoteague Bay State Boundary Line Buoy B	OFF STA/DAYMK IMCH	12211	024HR	04/14	
5175	Chincoteague Bay State Boundary Line Buoy D	DAYMK IMCH	12211	429HR	46/12	
5180	Chincoteague Bay State Boundary Line Buoy E	DAYMK IMCH	12211	430HR	46/12	
5185	Chincoteague Bay State Boundary Line Buoy F	MISSING	12211	431HR	46/12	
5190	Chincoteague Bay State Boundary Line Buoy G	DAYMK IMCH	12211	432HR	46/12	
5265	George Island Channel Daybeacon 8	DAYMK IMCH	12211	346HR	38/12	
5453	Coards Marsh Sanctuary Daybeacon A	STRUCT DEST	12211	433HR	46/12	
5453.1	Coards Marsh Sanctuary Daybeacon B	STRUCT DEST	12211	434HR	46/12	
5453.2	Coards Marsh Sanctuary Daybeacon C	STRUCT DEST	12211	435HR	46/12	
5457	Greenbackville Sanctuary Daybeacon A	STRUCT DEST	12211	476HR	43/11	
5457.1	Greenbackville Sanctuary Daybeacon B	DAYMK MISSING	12211	477HR	43/11	
7669	UMCES Lighted Data Buoy JI	MISSING	12264	439MD	36/14	
7837	UMCES Lighted Data Buoy CBB	OFF STA	12282	176MD	16/16	
7860	Bay Bridge Marina Light 5	LT EXT	12270	350MD	44/12	
9853	Elizabeth River Town Point Reach No Wake Buoy A	OFF STA	12253	328HR	35/14	
10125	Lynnhaven Roads Fishing Pier Lights (2)	MISSING	12254	319HR	31/13	
10186	Lynnhaven River Daybeacon 1LR	STRUCT DEST	12254	080HR	08/15	
10334	Lynnhaven River Eastern Branch Daybeacon 27	DAYMK MISSING	12222	162HR	23/16	
10762.03	Lafayette River Northern Branch Daybeacon 3	DAYMK MISSING	12245	251HR	26/14	
10762.1	Lafayette River Northern Branch Daybeacon 12	DAYMK MISSING	12245	252HR	26/14	
10962	Hampton River Channel Buoy 22	DAYMK DMGD	12245	NONEHR	16/16	
12127	Glasshouse Point Lower Ferry Light	LT EXT	12251	367HR	24/15	
12692	James River Lighted Data Buoy A	OFF STA	12252	NONEHR	07/16	
12692.1	James River Lighted Data Buoy B	OFF STA	12252	NONEHR	07/16	
12870	Salt Ponds Light 6	STRUCT DMGD	12222	310HR	37/16	
12873	Salt Ponds Daybeacon 6A	STRUCT DMGD	12222	294HR	36/16	

12895	Salt Ponds Daybeacon 12	DAYMK DMGD	12222	NONED5	17/16
12950	Back River South Channel Daybeacon 2	STRUCT DEST	12238	332HR	24/13
12958	Back River South Channel Daybeacon 8	DAYMK MISSING	12238	193HR	12/15
13050	Harris River Approach Daybeacon 3	DAYMK MISSING	12238	036HR	06/12
13050	Harris River Approach Daybeacon 3	DAYMK MISSING	12238	168HR	20/14
13065	Harris River Approach Daybeacon 6	OFF STA	12238	169HR	20/14
13065	Harris River Approach Daybeacon 6	OFF STA/DAYMK DMGD	12238	037HR	06/12
14940	Windmill Point Marina Light 3	LT EXT	12235	348HR	23/12
15005	Broad Creek Northern Branch Daybeacon 1N	DAYMK DMGD	12235	234HR	24/13
15050	Broad Creek Northern Branch Daybeacon 12	DAYMK MISSING	12235	431HR	49/14
16275	Buzzards Point Daybeacon 3	DAYMK DMGD	12235	390HR	26/15
16555	Lake Conoy Warning Daybeacon A	MISSING	12233	251MD	19/10
16612	Coan River Marina Buoy 1	MISSING	12233	121MD	10/15
16613	Coan River Marina Buoy 2	MISSING	12233	121MD	10/15
16614	Coan River Marina Buoy 3	MISSING	12233	121MD	10/15
16853	Potomac River Sandy Point Lighted Data Buoy A	MISSING	12233	282MD	20/14
16962	Cabin Point Creek Daybeacon 1	STRUCT DEST/HAZ NAV	12285	225MD	25/16
16963	Cabin Point Creek Daybeacon 2	STRUCT DEST/HAZ NAV	12285	225MD	25/16
16971	Glebe Creek Daybeacon 1	STRUCT DEST/HAZ NAV	12285	224MD	25/16
16971.5	Glebe Creek Daybeacon 2	STRUCT DEST/HAZ NAV	12285	224MD	25/16
16972.5	Glebe Creek Daybeacon 4	STRUCT DEST/HAZ NAV	12285	224MD	25/16
17712	Potomac River Morgantown Lighted Mooring Buoy A	BOUY DMGD/LT EXT	12287	199MD	21/16
17845	Nanjemoy Creek Buoy 5	OFF STA	12288	497BA	45/15
18014	Aquia Creek Daybeacon 31	DAYMK IMCH	12288	422MD	34/14
18014.1	Aquia Creek Daybeacon 32	DAYMK DMGD	12288	NONEMD	34/14
18014.2	Aquia Creek Daybeacon 33	DAYMK IMCH	12288	423MD	34/14
18014.3	Aquia Creek Daybeacon 34	DAYMK DMGD	12288	424MD	34/14
18075	Possum Point Pier Light	LT EXT	12288	448MD	37/15
18170	Leesylvania Park Light 2	LT EXT	12288	449MD	37/15
18601.01	National Harbor Channel Light 3	DAYMK MISSING	12289	144MD	12/16
18793.1	Tanner Creek Warning Daybeacon A	DAYMK MISSING	12233	179MD	23/13
18793.2	Tanner Creek Daybeacon 1	DAYMK MISSING	12233	178MD	23/13
18980	Mill Creek (Patuxent River) Buoy 11	OFF STA	12284	040MD	05/16
19152	Academy Of Natural Science Intake Light B	STRUCT DEST/HAZ NAV	12264	121MD	08/15
19512	West River Buoy 7	OFF STA	12270	271MD	32/16
19612	South River Warning Buoy A	MISSING	12270	039MD	06/13
19613	South River Warning Buoy B	MISSING	12270	040MD	06/13
20063	Severn River - Mill Creek Buoy 11	SINKING	12283	238BA	16/15
20210	Forked Creek Daybeacon 2	DAYMK MISSING	12282	240MD	18/14
21175	Fairfield Channel Buoy 2	MISSING	12281	036MD	08/12
21180	Fairfield Channel Buoy 4	MISSING	12281	037MD	08/12
21180	Fairfield Channel Buoy 4	OFF STA	12281	286MD	37/12
21185	Fairfield Channel Buoy 6	MISSING	12281	233MD	17/07
21362	North Locust Point Marine Terminal Pier 7 Warning Buoy A	MISSING	12281	569MD	01/15
22095	Onancock Creek -South Branch Buoy 1	OFF STA	12228	292MD	30/08
22430	Pocomoke Sound State Boundary Line Daybeacon H	STRUCT DEST/TRUB	12228	165MD	13/15
22440	Pocomoke Sound State Boundary Line Daybeacon K	STRUCT DEST/TRUB	12228	NONEMD	31/15
22985	Ward Creek Warning Daybeacon A	MISSING	12231	503MD	31/05
23315	Jones Creek Daybeacon 4	DAYMK MISSING	12231	402MD	44/08
23340	Jones Creek Daybeacon 12	DAYMK DMGD	12231	620MD	45/11

23670	Dorchester/Somerset County Line Marker DD	STRUCT DEST/TRUB	12231	166MD	13/15
23715	Dames Quarter Creek Channel Daybeacon 4	OFF STA/TRUB	12261	242MD	24/07
23720	Dames Quarter Creek Channel Daybeacon 5	STRUCT DEST/TRUB	12261	260MD	30/16
25010	Cambridge Municipal Yacht Basin Light 1	MISSING	12266	316MD	40/12
25015	Cambridge Municipal Yacht Basin Light 2	MISSING	12266	317MD	40/12
25020	Cambridge Channel Range Front Light	LT EXT	12268	420MD	46/08
25025	Cambridge Channel Range Rear Light	LT EXT/DAYMK DMGD	12268	418MD	46/08
25330	Pier Street Marina Daybeacon 1	STRUCT DEST/HAZ NAV	12266	157MD	20/13
25335	Pier Street Marina Daybeacon 2	STRUCT DEST/HAZ NAV	12266	168MD	21/13
25760	Upper Edge Creek Daybeacon 5	STRUCT DEST/HAZ NAV	12266	011MD	02/15
26030	Claiborne Channel Warning Daybeacon	STRUCT DEST	12270	NONEMD	08/16
26036	Claiborne Channel Buoy 5	MISSING	12266	NONEMD	08/16
26038	Claiborne Channel Buoy 6	MISSING	12270	093MD	08/16
26039	Claiborne Channel Warning Buoy A	MISSING	12270	094MD	08/16
26040	Claiborne Channel Warning Buoy B	MISSING	12270	NONEMD	08/16
26210	Oak Creek Buoy 3	MISSING	12270	092MD	08/16
26225	Oak Creek Warning Buoy	STRUCT DEST	12270	265MD	35/12
26275	Cox Creek Daybeacon 5	MISSING	12270	184MD	24/13
26990	Shallow Creek Daybeacon 9	DAYMK MISSING	12278	NONEMD	20/11
27230	Upper Gunpowder River Buoy 2	MISSING	12274	280MD	19/15
27240	Upper Gunpowder River Buoy 4	MISSING	12274	279MD	19/15
27245	Upper Gunpowder River Daybeacon 5	STRUCT DEST	12274	278MD	19/14
27250	Upper Gunpowder River Buoy 6	MISSING	12274	277MD	19/15
27255	Upper Gunpowder River Buoy 7	MISSING	12274	276MD	19/15
27265	Upper Gunpowder River Buoy 9	OFF STA	12274	275MD	19/15
27270	Upper Gunpowder River Buoy 10	OFF STA	12274	274MD	19/15
27280	Upper Gunpowder River Daybeacon 12	OFF STA	12274	273MD	19/15
27415	Fairlee Creek Buoy 8	OFF STA/BUOY DMGD	12278	361MD	28/14
27920	Upper Elk River Buoy 8	OFF STA	12274	127MD	16/13
27925	Upper Elk River Buoy 9	OFF STA	12274	128MD	16/13
30905	Wilmington Marine Center Daybeacon 6	DAYMK DMGD	11537	NONENC	05/16
30910	Wilmington Marine Center Daybeacon 7	DAYMK DMGD	11537	NONENC	05/16
31060	Shallotte Inlet Buoy 2	MISSING	11534	005NC	01/14
31087	Shallotte Inlet Buoy 9	MISSING	11534	317NC	23/13
32725.16	Swanquarter PPA Warning Daybeacon R	STRUCT DEST	11548	424NC	33/16
32725.23	Swanquarter PPA Warning Daybeacon X	STRUCT DEST	11548	089NC	09/16
32725.24	Swanquarter PPA Warning Daybeacon Y	STRUCT DEST	11548	NONENC	09/16
33427.5	Swan Point Warning Daybeacon B	DAYMK MISSING	11552	177NC	12/15
33428	Swan Point Warning Light C	DAYMK MISSING	11552	178NC	12/15
33428.5	Swan Point Warning Daybeacon D	DAYMK MISSING	11552	179NC	12/15
33597	Neuse River UNC Lighted Data Buoy A	MISSING	11544	447NC	35/16
35230	Manahawkin Bay Lower Warning Light	LT EXT	12324	371DB	32/13
35780	Absecon Waterway Upper Pier Light	LT IMCH	12316	521DB	38/14
35785	Absecon Waterway Lower Pier Light	LT IMCH	12316	522DB	38/14
36777.3	Cape May Village Daybeacon 4	STRUCT DEST	12316	556DB	41/15
	Asquith Creek Daybeacon 6	DAYMK IMCH	12282	520MD	45/14
	Back Creek-Severn River Buoy 8	MISSING	12283	310BA	36/16
	Back River Buoy 6	BUOY DMGD		263MD	33/13
	Beach Cove South Channel Daybeacon 8	MISSING	12216	NONEAC	10/06
	Cherrystone Artificial Reef Buoys	MISSING	12221	NONED5	24/05
	Cox Creek Channel Buoy 6 (Patapsco)	ADRIFT	12278	296MD	36/13
	Cox Creek Channel Buoy 7 (Patapsco)	ADRIFT	12278	297MD	36/13
	East Cod Creek Daybeacon 4	DAYMK MISSING	12233	120MD	21/12

East Cod Creek Daybeacon 6	DAYMK DMGD	12285	318MD	26/09
Fox Hill Channel Daybeacon 4	DAYMK DMGD	12238	173HR	23/12
Fox Hill Channel Daybeacon 6	STRUCT DEST	12238	174HR	23/12
Grassy Sound North Pier Light	MISSING	12316	0068AC	41/12
Grassy Sound South Pier Light	MISSING	12316	0069AC	41/12
Harris River Approach Daybeacon 10	DAYMK DMGD	12238	NONEHR	05/12
Hunting Creek Miles River Buoy 2	BUOY DMGD	12270	228MD	25/16
Indian River Bay Shellfish Excl. Buoy	MISSING	12216	NONEAC	08/12
Irish Creek Buoy 3	MISSING	12266	208MD	23/16
John's Creek Buoy 3	LT IMCH	12270	318HR	37/16
Little Cove Point Warning Light C	STRUCT DEST	12264	286MD	36/13
Old House Cove Warning Daybeacon A	MISSING	12231	0498MD	31/05
Old House Cove Warning Daybeacon B	MISSING	12231	0499MD	31/05
Old House Cove Warning Daybeacon C	MISSING	12231	0500MD	31/05
Parramore Artificial Reef Buoy	MISSING	12210	0071ES	21/05
Playtors Creek Dbn 3	STRUCT DEST	12266	186MD	18/16
Shark Riv Is Ch By 1	MISSING		215DB	22/16
Shark River Light 5	LT EXT		395DB	28/15
Spriggs Pond Buoy 1	OFF STA		268MD	31/16
St. Michaels Harbor Buoy 11	MISSING	12270	295MD	34/16
St. Michaels Harbor Buoy 6	SINKING	12270	177MD	16/16
Upper Seneca Creek Channel Buoy 2	OFF STA	12278	289MD	34/16
Upper Tangier Sound County Range Marker F	STRUCT DEST	12231	155MD	14/16
VIMS Clay Bank Lighted Data Buoy A	MISSING	12243	NONEHR	14/14
VIMS Clay Bank Lighted Data Buoy B	MISSING	12243	NONEHR	14/14
VIMS Clay Bank Lighted Data Buoy C	MISSING	12241	NONEHR	14/14
Vims Water Qual Monitor Device (3)	MISSING		NONEHR	14/14
Wachapreague Artificial Reef Buoys	MISSING	12210	0072ES	21/05
Warehouse Creek Buoy 1 (South River)	MISSING	12270	244MD	28/16

DISCREPANCIES (PRIVATE AIDS) CORRECTED

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

PLATFORM DISCREPANCIES

Name	Status	Position	BNM Ref.	LNM St	LNM End
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None

PLATFORM DISCREPANCIES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End
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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
1091	Oyster Creek Channel Buoy 38A	RELOCATED FOR DREDGING	12324	452D5	38/16	
1094	Oyster Creek Channel Buoy 39A	DISCONTINUED	12324	446D5	37/16	
2050	Harbor Of Refuge North End Light 1	TRLB	12216	372D5	33/16	
5850	Virginia Inside Passage Light 80	TRDBN	12210	457D5	38/16	

5925	Virginia Inside Passage Daybeacon 101	TRDBN	12210	474D5	39/16
5950	Virginia Inside Passage Daybeacon 107	TRDBN	12210	457D5	38/16
6055	Virginia Inside Passage Light 138	TRDBN	12210	529D5	44/16
6348	Virginia Inside Passage Daybeacon 213	TRUB	12224	NONED5	02/14
7450	USN Aerial Gunnery Area Warning Daybeacon A	TRLB	12228	500BA	16/16
8150	Brewerton Channel Range Front Light	RELOCATED	12281	181D5	14/15
11897	James River Channel Lighted Buoy 27A	DISCONTINUED FOR DREDGING	12248	541D5	44/15
11904	James River Channel Lighted Buoy 29A	DISCONTINUED FOR DREDGING	12248	541D5	44/15
21215	Ferry Bar Channel Lighted Buoy 3	RELOCATED FOR DREDGING	12281	405D5	34/16
21510	Mud Creek Channel Daybeacon 1	DISCONTINUED FOR DREDGING	12224	271HR	17/15
21515	Mud Creek Channel Daybeacon 2	TRUB	12224	221D5	18/15
23510	Lower Thorofare Channel Light 6	TRDBN	12231	096D5	11/16
28030	Oregon Inlet Buoy 14A	DISCONTINUED FOR DREDGING	12204	534D5	43/15
28035	Oregon Inlet Buoy 15	DISCONTINUED FOR DREDGING	12204	012D5	03/16
28234	Old House Channel Lighted Buoy 2H	DISCONTINUED	12206	410D5	34/15
28447	Wanchese Channel Buoy 2A	DISCONTINUED FOR DREDGING	12204	513D5	43/16
28669	Hatteras Inlet Buoy 9	DISCONTINUED	11555	269D5	21/15
28670	Hatteras Inlet Buoy 9A	DISCONTINUED	11555	269D5	21/15
28699.1	South Ferry Terminal Lighted Buoy 1SF	DISCONTINUED	11555	460D5	38/16
28703	South Ferry Terminal Lighted Buoy 4SF	DISCONTINUED	11555	460D5	38/16
28705	South Ferry Terminal Lighted Buoy 5SF	DISCONTINUED	11555	460D5	38/16
28707	South Ferry Terminal Lighted Buoy 6SF	DISCONTINUED	11555	460D5	38/16
28717	South Ferry Terminal Lighted Buoy 8SF	DISCONTINUED	11555	437D5	15/16
28719	South Ferry Terminal Lighted Buoy 10SF	DISCONTINUED	11555	437D5	15/16
28724	Hatteras Inlet Lighted Buoy 9B	DISCONTINUED	11555	269D5	21/15
28726	Hatteras Inlet Lighted Buoy 10	DISCONTINUED	11555	269D5	21/15
28726.1	Hatteras Inlet Buoy 10A	DISCONTINUED	11555	269D5	21/15
28726.2	Hatteras Inlet Lighted Buoy 10B	DISCONTINUED	11555	269D5	21/15
28729	Hatteras Inlet Lighted Buoy 11	DISCONTINUED	11555	269D5	21/15
28730.1	Hatteras Inlet Channel Lighted Buoy 11A	DISCONTINUED	11555	297D5	27/14
28730.15	Hatteras Inlet Channel Buoy 11AA	DISCONTINUED	11555	269D5	21/15
28730.2	Hatteras Inlet Channel Lighted Buoy 11B	DISCONTINUED	11555	269D5	21/15
28733	Hatteras Inlet Channel Lighted Buoy 12AA	DISCONTINUED	11555	269D5	21/15
28733.1	Hatteras Inlet Channel Buoy 12B	DISCONTINUED	11555	269D5	21/15
28733.2	Hatteras Inlet Channel Buoy 12C	DISCONTINUED	11555	269D5	21/15
28735.2	Hatteras Inlet Channel Lighted Buoy 13	DISCONTINUED	11555	NONED5	23/15
28955	Teaches Hole Channel Lighted Buoy 20	DISCONTINUED	11550	173D5	14/15
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
29721	New River Inlet Buoy 10A	DISCONTINUED	11541	491D5	43/14
29723	New River Inlet Buoy 10B	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
	Harbor Of Refuge North End Lighted Buoy 1	ESTABLISHED	12216	372D5	34/16

TEMPORARY CHANGES CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
28083	Oregon Inlet Channel Buoy 26	LWP	12204	521D5	43/16	44/16
29060	Big Foot Slough Channel Daybeacon 9B	LWP	11550	466D5	40/16	44/16
29070	Big Foot Slough Channel Daybeacon 10A	LWP	11550	466D5	40/16	44/16
29720	New River Inlet Buoy 10	Reestablished	11541	525D5	43/14	44/16
29725	New River Inlet Buoy 11	Reestablished	11541	525D5	43/14	44/16
29726	New River Inlet Buoy 11A	Reestablished	11541	525D5	43/14	44/16

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.

11541	41st Ed.	01-NOV-15	Last LNM: 43/16	NAD 83	44/16
<i>Chart Title: Intracoastal Waterway Neuse River to Myrtle Grove Sound</i>					
CHART NC-AIWW - NEUSE RIVER TO MYRTLE GROVE SOUND. Page/Side: N/A					
RELOCATE	Banks Channel Daybeacon 13			CGD05 from 34-23-22.676N to 34-23-22.591N	077-36-08.628W 077-36-08.822W
RELOCATE	New River - Cape Fear River Buoy 121			CGD05 from 34-14-59.495N to 34-14-58.648N	077-46-56.525W 077-46-57.186W
CHANGE	Banks Channel Light 18 to FIR 4s, 15FT, 5M, at			CGD05 at 34-24-04.200N	077-35-17.058W
CHANGE	New River - Cape Fear River Light 96 to FIR 4s, 15FT, 4M, at			CGD05 at 34-22-33.198N	077-38-47.140W
CHANGE	Smith Creek Channel Light 8 to FIR 4s, 15FT, 4M, at			CGD05 at 35-01-19.355N	076-41-56.757W
ADD	New River Inlet Buoy 10 Red Nun (Supercedes LNM 43/14)			CGD05 at 34-31-51.482N	077-20-38.750W
ADD	New River Inlet Buoy 11 Green Can (Supercedes LNM 43/14)			CGD05 at 34-32-09.347N	077-20-42.146W
ADD	New River Inlet Buoy 11A Green Can (Supercedes LNM 43/14)			CGD05 at 34-32-18.603N	077-20-30.320W
ADD	New River Inlet Buoy 13 Green Can			CGD05 at 34-32-38.290N	077-20-31.008W

11542	19th Ed.	01-AUG-14	Last LNM: 39/16	NAD 83	44/16
<i>Chart Title: New River; Jacksonville</i>					
CHART NC- NEW RIVER. Page/Side: N/A					
ADD	New River Inlet Buoy 10 Red Nun (Supercedes LNM 43/14)			CGD05 at 34-31-51.482N	077-20-38.750W
ADD	New River Inlet Buoy 11 Green Can (Supercedes LNM 43/14)			CGD05 at 34-32-09.347N	077-20-42.146W
ADD	New River Inlet Buoy 11A Green Can (Supercedes LNM 43/14)			CGD05 at 34-32-18.603N	077-20-30.320W
ADD	New River Inlet Buoy 13 Green Can			CGD05 at 34-32-38.290N	077-20-31.008W

11544	41st Ed.	01-DEC-13	Last LNM: 41/16	NAD 83	44/16
<i>ChartTitle: Portsmouth Island to Beaufort, Including Cape Lookout Shoals</i>					
Main Panel 508 PORTSMOUTH ISL TO BEAUFORT INCL CAPE LOOKOUT SHOALS. Page/Side: N/A					
CHANGE	Smith Creek Channel Light 8 to FIR 4s, 15FT, 4M, at			CGD05 at 35-01-19.355N	076-41-56.757W
11548	41st Ed.	01-SEP-12	Last LNM: 43/16	NAD 83	44/16
<i>ChartTitle: Pamlico Sound Western Part</i>					
CHART NC- PAMLICO SOUND- WESTERN PART. Page/Side: N/A					
CHANGE	Smith Creek Channel Light 8 to FIR 4s, 15FT, 4M, at			CGD05 at 35-01-19.355N	076-41-56.757W
11552	21st Ed.	01-JUL-14	Last LNM: 41/16	NAD 83	44/16
<i>ChartTitle: Neuse River and Upper Part of Bay River</i>					
CHART NC- NEUSE RIVER AND UPPER PART OF BAY RIVER. Page/Side: N/A					
CHANGE	Smith Creek Channel Light 8 to FIR 4s, 15FT, 4M, at			CGD05 at 35-01-19.355N	076-41-56.757W
12204	38th Ed.	01-DEC-12	Last LNM: 43/16	NAD 83	44/16
<i>ChartTitle: Currituck Beach Light to Wimble Shoals</i>					
Main Panel 527 CURRITUCK BEACH LT TO WIMBLE SHOALS. Page/Side: N/A					
RELOCATE	Oregon Inlet Channel Buoy 26			CGD05 from 35-46-43.117N to 35-46-43.113N	075-33-05.984W 075-33-05.997W
12205	34th Ed.	01-APR-14	Last LNM: 43/16	NAD 83	44/16
<i>ChartTitle: Cape Henry to Pamlico Sound, Including Albemarle Sd.; Rudee Heights</i>					
CHART VA-NC- CAPE HENRY TO PAMLICO SOUND (including ALBEMARLE SOUND). Page/Side: N/A					
RELOCATE	Oregon Inlet Channel Buoy 26			CGD05 from 35-46-43.117N to 35-46-43.113N	075-33-05.984W 075-33-05.997W
12225	60th Ed.	01-NOV-11	Last LNM: 42/16	NAD 83	44/16
<i>ChartTitle: Chesapeake Bay Wolf Trap to Smith Point</i>					
Main Panel 563 CHESAPEAKE BAY WOLF TRAP TO SMITH POINT. Page/Side: N/A					
CHANGE	Dymer Creek Entrance Light 4 to FIR 2.5s, 15Ft, 4M, at			CGD05 at 37-39-30.530N	076-19-22.786W
CHANGE	Indian Creek Light 10 to FIR 4s, 15FT, 4M, at			CGD05 at 37-41-27.822N	076-20-36.807W
CHANGE	Indian Creek Light 4 to FIR 4s, 15FT, 4M, at			CGD05 at 37-40-38.800N	076-18-57.619W
12235	34th Ed.	01-FEB-14	Last LNM: 42/16	NAD 83	44/16
<i>ChartTitle: Chesapeake Bay Rappahannock River Entrance, Piankatank and Great Wicomico Rivers</i>					
CHART VA -CHESAPEAKE BAY: RAPPAHANNOCK RIVER ENTRANCE (PIANK & GRT WIC RV). Page/Side: N/A					
CHANGE	Dymer Creek Entrance Light 4 to FIR 2.5s, 15Ft, 4M, at			CGD05 at 37-39-30.530N	076-19-22.786W
CHANGE	Indian Creek Light 10 to FIR 4s, 15FT, 4M, at			CGD05 at 37-41-27.822N	076-20-36.807W
CHANGE	Indian Creek Light 4 to FIR 4s, 15FT, 4M, at			CGD05 at 37-40-38.800N	076-18-57.619W
12261	30th Ed.	01-DEC-12	Last LNM: 37/16	NAD 83	44/16
<i>ChartTitle: Chesapeake Bay Honga, Nanticoke, Wicomico Rivers and Fishing Bay</i>					
CHART MD- CHESAPEAKE BAY: HONGA, NANTICOKE, WICOMICO RIVERS AND FISHING BAY. Page/Side: N/A					

CHANGE Nanticoke River Channel Light 68 to FIR 4s, 15FT, 4M, at CGD05 at 38-37-25.548N 075-37-24.672W

12277 36th Ed. 01-OCT-14 Last LNM: 37/16 NAD 83 44/16

ChartTitle: Chesapeake and Delaware Canal

CHART DE-MD-NJ-CHESAPEAKE AND DELAWARE CANAL. Page/Side: N/A

CHANGE Fort Delaware Light 5N to Delaware River Light 15, FIG 6s, 15FT, 5M, at CGD05 39-35-24.874N 075-33-55.359W

12285 42nd Ed. 01-AUG-15 Last LNM: 43/16 NAD 83 44/16

ChartTitle: Potomac River; District of Columbia

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

CHANGE St. Catherine Sound Lower Entrance Daybeacon 4L to St. Catherine Sound Lower Entrance Daybeacon 5L, SG, at CGD05 38-13-58.404N 076-47-08.727W

CHANGE St. Catherine Sound Lower Entrance Daybeacon 7L to St. Catherine Sound Lower Entrance Warning Daybeacon, W Or, at CGD05 38-14-17.586N 076-47-15.562W

ADD St. Catherine Sound Lower Entrance Buoy 7L Green Can CGD05 at 38-14-23.379N 076-47-12.244W

12286 32nd Ed. 01-JAN-15 Last LNM: 41/16 NAD 83 44/16

ChartTitle: Potomac River Piney Point to Lower Cedar Point

Main Panel 661 POTOMAC RIVER PINEY POINT TO LOWER CEDAR POINT. Page/Side: A

CHANGE St. Catherine Sound Lower Entrance Daybeacon 4L to St. Catherine Sound Lower Entrance Daybeacon 5L, SG, at CGD05 38-13-58.404N 076-47-08.727W

ADD St. Catherine Sound Lower Entrance Buoy 7L Green Can CGD05 at 38-14-23.379N 076-47-12.244W

12311 46th Ed. 01-MAY-12 Last LNM: 39/16 NAD 83 44/16

ChartTitle: Delaware River Smyrna River to Wilmington

CHART NJ-DE- DELAWARE RIVER- SMYRNA RIVER. Page/Side: N/A

CHANGE Fort Delaware Light 5N to Delaware River Light 15, FIG 6s, 15FT, 5M, at CGD05 39-35-24.874N 075-33-55.359W

CHANGE Reedy Island Dike Middle Light to FI W 6s, 20FT, 7M, at CGD05 at 39-28-58.483N 075-34-26.463W

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)

******REEDY POINT, DE - DGPS SITE UNUSABLE TIME******

Reedy Point, DE, DGPS site will be unusable for preventive maintenance during the following period.
 Primary: 21 Nov 2016 9:00 am to 11:00 am.
 Alternate: 22 Nov 2016 9:00 am to 11:00 am.

LNM: 44/16

******MD – UPPER CHESAPEAKE BAY – ELK RIVER – BACK BAY – EARLY SEASONAL BUOY RELIEFS******

Due to an unscheduled yard availability for one of the Fifth District Aids to Navigation cutters, lighted aids to navigation in the Upper Chesapeake Bay, Elk River, Back Creek Channel and Susquehanna River Junction Lighted Buoy A (LLNR 27585) will be relieved with their seasonal hull approximately 20 days earlier than listed in the Light List.

Charts: 12273 12274

LNM: 44/16

******MD – POTOMAC RIVER – ST CATHERINE SOUND – CHANGE TO AIDS TO NAVIGATION******

On or about November 7, 2016 the Coast Guard will rename and change the aid type to non-lateral on the following aids to navigation until they can be removed:

St. Catherine Sound Upper Entrance Light 2U (LLNR 17270) to St. Catherine Sound Warning Daybeacon A (LLNR 17270).

St. Margaret Island Warning Daybeacon (LLNR 17275) to Catherine Sound Warning Daybeacon B (LLNR 17275).

St. Catherine Sound Upper Entrance Daybeacon 5U (LLNR 17280) to St. Catherine Sound Warning Daybeacon C (LLNR 17280)

Catherine Sound Upper Entrance Daybeacon 7U (LLNR 17285) to St. Catherine Sound Warning Daybeacon D (LLNR 17285).

St. Catherine Sound Upper Entrance Daybeacon 8U (17290) to St. Catherine Sound Warning Daybeacon E (LLNR 17290).

Charts: 12285 12286

LNM: 44/16

SECTION VI - PROPOSED CHANGES

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

PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT

Proposed Project(s)

Closing

Docket No.

Ref. LNM

None

Proposed Change Notice(s)

COAST GUARD POLICY ON NOTIFICATION OF PROPOSED CHANGES

Periodically, the Coast Guard, evaluates the system of aids to navigation to determine whether the conditions for which the aids to navigation were established have changed. When changes occur, the feasibility of improving, relocating, replacing, or discontinuing the aid is considered. In this regard, the Coast Guard is evaluating changes in aids to navigation as noted in the below articles. Users can provide feedback by filling out the District 5 Waterway Proposals data/feedback form, located at the NAVCEN D5 LNM website:

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

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

LNM: 41/11

DE/NJ - UPPER DELAWARE RIVER - LEHIGH LOWER RANGE LIGHTS - PROPOSED CHANGE TO DAYTIME SIGNAL COLOR

The Coast Guard is proposing to change the daytime signal light color on Lehigh Lower Range Front Light (LLNR 3965) and Range Rear Light (LLNR 3970) from white to green. This change will allow the Coast Guard to convert the range system from incandescent lamps to LED.

Conversion to LED optics reduces power requirements, eliminates requirement for multiple lanterns, and improves range optic reliability.

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

All comments will be carefully considered and are requested prior to 08 Nov 2016 to be considered in the analysis. Refer to project number 05-15-112(D).

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

U. S. Coast Guard Fifth District

Waterways Management (dpw)

Attn: LCDR T. Johnson

431 Crawford Street

Portsmouth, VA 23704

Chart 12314

LNM: 41/16

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

The Coast Guard is proposing to change PEA PATCH ISLAND Spawn Daybeacon PPE (LLNR 2870) to PEA PATCH ISLAND DIKE WARNING LIGHT B. The Coast Guard intends to discontinue PEA PATCH ISLAND DIKE LIGHT B (LLNR 2915) and PEA PATCH ISLAND SPAWN DAYBEACON PPD (LLNR 2865). The Coast Guard found these two structures destroyed on September 7, 2016. Upon evaluation of the marine traffic patterns in the waterway and structural condition of the remaining six aids to navigation marking the dike, and the recent range improvements to the main channel, the Coast Guard concluded that the waterway could be adequately marked without needing to rebuild these two aids to navigation if Pea Patch Island Spawn Daybeacon PPE (LLNR 2870) was lighted, FL W 4s. As part of this project, the Coast Guard is also proposing to rename Pea Patch Island Spawn Daybeacon PPE (LLNR 2870) to Patch Island Dike Warning Light B (LLNR 2870), Spawn Daybeacon PPA (LLNR 2840) to Pea Patch Island Dike Warning Daybeacon A (LLNR 2840), and Spawn Day beacon PPC (LLNR 2855) to Pea Patch Island Dike Warning Daybeacon C (LLNR 2855). Interested Mariners and other stakeholders are strongly encouraged to comment on the potential impacts this proposal would have on navigational safety. You may provide feedback using the U. S. Coast Guard Fifth District Waterway Data Sheet, available online at:

5th Coast Guard District Special Notice Waterway Feedback Form.

All comments will be carefully considered and are requested prior to November 15, 2016, to be considered in the analysis. Refer to project number 05-16-139.

Send comments to ethan.j.coble@uscg.mil or CGD5Waterways@uscg.mil, or

U. S. Coast Guard Fifth District

Waterways Management (dpw)
Attn: Ethan Coble
431 Crawford Street
Portsmouth, VA 23704

Chart 12311

LNM: 44/16

******NJ - DELAWARE BAY (EAST SIDE) - PROPOSAL TO DISCONTINUE NANTUXENT POINT LIGHT******

The Coast Guard discovered Nantuxent Point Light (LLNR 1970) discrepant on October 11, 2016. Based on the local unit's observations, the light appears to have been discrepant for several weeks. No reports regarding this discrepancy were made to the Coast Guard during this time. After a review of the limited volume of marine traffic in the area, the Coast Guard is proposing to discontinue Nantuxent Point Light (LLNR 1970). Interested Mariners and other stakeholders are strongly encouraged to comment on the potential impacts this proposal would have on navigational safety. You may provide feedback using the U. S. Coast Guard Fifth District Waterway Data Sheet, available online at: 5th Coast Guard District Special Notice Waterway Feedback Form.

All comments will be carefully considered and are requested prior to December 6, 2016 to be considered in the analysis. Refer to project number 05-17-006.

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

U.S. Coast Guard Fifth District
Waterways Management (dpw)
Attn: LCDR Johnson
431 Crawford Street
Portsmouth, VA 23704

Chart 12304

LNM: 42/16

MD – CHESAPEAKE BAY – WOLF TRAP TO SMITH POINT – CHESAPEAKE CHANNEL – USN AERIAL GUNNERY AREA

The Coast Guard is proposing to discontinue USN Aerial Gunnery Area Warning Daybeacons A (LLNR 7450) and B (LLNR 7455). These daybeacons were established in 1973 to warn small craft operators of aerial bombing range restrictions in the Chesapeake Bay on the west side of Tangier Island, described in the restricted area designation in 33 CFR 334.210. Although the restricted area regulation is still in effect, the bombing range was closed in the fall of 2000, with no current indications of a return to service. Interested mariners and other stakeholders are strongly encouraged to comment on the potential impacts this proposal would have on navigation safety. You may provide feedback to using the U.S. Coast Guard Fifth District Waterway Data Sheet, available online at:

5th Coast Guard District Special Notice Waterway Feedback Form.

All comments will be carefully considered and are requested by prior to November 8, 2016. Send comments to douglas.c.simpson@uscg.mil or cgd5waterays@uscg.mil or

U.S. Coast Guard Fifth District
Waterways Management (dpw)
Attn: Doug Simpson
431 Crawford Street
Portsmouth, VA 23704.

Chart 12228

LNM: 41/16

******MD - CHESAPEAKE BAY - TANGIER SOUND NORTHERN PART - PROPOSAL TO CHANGE KEDGES STRAITS LIGHTED BUOY 5 TO AN UNLIGHTED BUOY******

The Coast Guard is proposing changing Kedges Straits Lighted Buoy 5 (LLNR 23480) to an unlighted buoy. This change will align Kedges Straits Buoy 5 with the existing Kedges Straits Buoy 2 (LLNR 23465) and Kedges Straits Buoy 4 (LLNR 23470). Interested Mariners and other stakeholders are strongly encouraged to comment on the potential impacts this proposal would have on navigational safety. You may provide feedback using the U. S. Coast Guard Fifth District Waterway Data Sheet, available online at 5th Coast Guard District Special Notice Waterway Feedback Form.

All comments will be carefully considered and are requested prior to November 21, 2016 to be considered in the analysis. Please reference project 05-17-010(D).

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

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

Chart 12231

LNM: 43/16

******MD – CHESAPEAKE BAY – SEVERN RIVER – SPA CREEK – PROPOSED CHANGE******

On October 12, 2016 the Coast Guard received a report that Spa Creek Daybeacon 3 (LL 19915) had been destroyed. The local servicing unit confirmed no wreckage remained and established a temporary unlighted replacement buoy; TRUB. The Coast Guard is proposing making this change permanent. Due to the ice conditions in Spa Creek the buoy this buoy will be removed from December 1 to March 15; Ice-Con 4.

Spa Creek:

LL 17270-Buoy 3 38 58 22.007N—76 29 23.629W Maintained from Mar 15 to 1 Dec.

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

All comments will be carefully considered and are requested prior to November 21, 2016 to be considered in the analysis. Please reference project 05-17-005(D).

Send comments to CGD5Waterways@uscg.mil or Albert.L.Grimes@uscg.mil or mailed to:
U.S. Coast Guard Fifth District
Waterways Management (dpw)
431 Crawford Street, Room 100
Portsmouth, VA 23704
Attn: Albert Grimes

Chart 12282

LMN: 42/16

VA – YORK RIVER – GOODWIN THOROUGHFARE - PROPOSAL TO DISCONTINUE AIDS TO NAVIGATION

During a recent Coast Guard survey, it was discovered that the channel connecting York River with Back Creek to Slaights Wharf, locally know as the Thoroughfare, has shoaling to depths of less than 3.5feet. As are result, the Coast Guard cannot reposition the Aids to Navigation in order to mark a defined navigable waterway. The Coast Guard is concerned that the aids in place may be misleading to the mariner, and could be more dangerous than having no aids to navigation on the waterway. Therefore, the Coast Guard is proposing discontinuing seven (7) Goodwin Thoroughfare aids. The five (5) fixed structures will be converted to non-lateral aids until they can be removed by contract.

Aids to be discontinued and removed:

Goodwin Thoroughfare Channel Daybeacon 8 (LLNR 13335) 37 12 50.756N—76 24 28.341W
Goodwin Thoroughfare Channel Light 10 (LLNR 13340) 37 12 56.211N—76 24 48.393W
Goodwin Thoroughfare Channel Light 12 (LLNR 13345) 37 13 05.918N—76 25 00.087W
Goodwin Thoroughfare Warning Daybeacon A (LLNR 13350) 37 13 19.190N—76 25 05.709W
Goodwin Thoroughfare Channel Buoy 14 (LLNR 13355) 37 13 12.544N—76 25 03.694W
Goodwin Thoroughfare Channel Buoy 15 (LLNR 13360) 37 13 13.365N—76 25 05.341W
Goodwin Thoroughfare Warning Light GT (LLNR 13365) 37 13 40.006N—76 25 03.783W

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%20LNLM%202015%20Special%20Notice_Waterway_Proposal%20Feedback%20Form.pdf

All comments will be carefully considered and are requested prior to November 21, 2016 to be considered in the analysis. Please reference project 05-16-145(D).

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

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

Charts: 12238 12241

LMN: 41/16

******VA – THIMBLE SHOAL CHANNEL - NAVAL ORDNANCE LIGHTED BUOYS – PROPOSAL******

The Coast Guard is proposing reducing the nominal range from 6NM to 5NM for Naval Ordnance Lighted Buoy P (LL 9355), Naval Ordnance Lighted Buoy R (LL 9360) and Naval Ordnance Lighted Buoy T (LL 9365); this is based on an operational range of 1.5 miles. 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%20LNLM%202015%20Special%20Notice_Waterway_Proposal%20Feedback%20Form.pdf

All comments will be carefully considered and are requested prior to November 21, 2016 to be considered in the analysis. Please reference project 05-17-008(D).

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

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

Charts: 12221 12222 12245 12256

LMN: 43/16

******VA – THIMBLE SHOAL CHANNEL - NAVAL ORDNANCE LIGHTED BUOYS – PROPOSAL******

The Coast Guard is proposing reducing the nominal range from 6NM to 5NM for Naval Ordnance Lighted Buoy P (LL 9355), Naval Ordnance Lighted Buoy R (LL 9360) and Naval Ordnance Lighted Buoy T (LL 9365); this is based on an operational range of 1.5 miles. 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%20LNLM%202015%20Special%20Notice_Waterway_Proposal%20Feedback%20Form.pdf

All comments will be carefully considered and are requested prior to November 21, 2016 to be considered in the analysis. Please reference project 05-17-008(D).

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

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

Charts: 12221 12222 12245 12256

LMN: 43/16

NC – ALLIGATOR RIVER – DISCONTINUE AIDS TO NAVIGATION

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

The aid was established on March 22, 1961 to mark the NW corner of a charted "Discontinued Spoils Area", 700ft west of the federal channel. The channel in this area is approximately 500 feet wide providing ample room to navigate. The area of the Alligator River is a very stable waterway with little to no shoal encroachment. Additionally, the aid has a history of vessel allisions, due to vessels using the aid as a turning point for the next segment of the channel. Water depths are consistent at least 50ft around Alligator River Daybeacon 30; the aid is not accurately marking safe water. Alligator Light 31 has a quick flashing characteristic, a characteristic generally used to mark a turn, rendering Alligator River Daybeacon 30 redundant and unnecessary to mark the turn. Interested Mariners and other stakeholders are strongly encouraged to comment on the potential impacts this proposal would have on navigational safety. You may provide feedback using the U. S. Coast Guard Fifth District Waterway Data Sheet, available online at:

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

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

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

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

Attn: Pablo Ortiz
431 Crawford Street
Portsmouth, VA 23704

Charts: 11541 11545

LNM: 38/16

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

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

The Coast Guard proposes to relocate:

Russell Slough DBN 6A (LLNR 38467)

Russell Slough Light 7 (LLNR 38470)

Russell Slough Channel Junction Light RG (LLNR 34855)

The Coast Guard proposes to establish:

Russell Slough Buoy 8

The Coast Guard proposes to discontinue:

Russell Slough Channel Warning DBN A (LLNR 34852)

Russell Slough Channel Warning DBN B (LLNR 34853)

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

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

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

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

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

Attn: Pablo Ortiz
431 Crawford Street
Portsmouth, VA 23704

Charts: 11541 11545

LNM: 38/16

SECTION VII - GENERAL

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

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

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

Charts: 12222 12254

LNM: 19/16

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

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

- Willoughby Bay

- Thimble Shoal Channel from the Naval Station Norfolk piers to the Chesapeake Bay Bridge Tunnel.

- An area of the Chesapeake Bay, adjacent to the Thimble Shoal Channel from Thimble Shoal to the Chesapeake Bay bridge tunnel extending to the north four miles to form a four by seven mile rectangle.

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

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

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

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

Charts: 12200 12205 12221 12222 12245 12254

LNM: 01/16

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

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

Chart 12241

LNM: 01/16

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

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

AREA A: 37-09.0N 075-31.0W, 37-09.0N 075-34.7W, 37-12.0N 075-31.0W, 37-12.0N 075-34.7W.

AREA B: 36-29.0N 075-31.8W, 36-29.0N 075-35.5W, 36-26.0N 075-35.5W, 36-26.0N 075-31.8W.

AREA C: 36-29.0N 075-20.8W, 36-29.0N 075-24.5W, 36-26.0N 075-24.5W, 36-29.0N 075-20.8W.

AREA D: 36-46.5N 075-47.8W, 36-46.5N 075-46.5W, 36-47.5N 075-46.5W, 36-47.5N 075-47.8W.

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

NC - NEW RIVER - FIRING EXERCISES

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. Mariners traveling in Atlantic Intracoastal Waterway through this area can expect a delays of about one to four hours during the below times. Range Control Boats, MCIE-MCB CamLej, North Carolina monitor Channel 16 VHF-FM and the working Channel 82 VHF-FM. Range Control can be reached by phone at 910-451-3064 or 4449.

The restricted areas in the New River, as shown on National Ocean Service chart 11542, that will be closed to navigation because of Stone Bay rifle range firing exercises during the following periods:

Stone Creek Sector 12:01 a.m. to midnight - daily

Stone Bay Sector 12:01 a.m. to midnight - daily

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

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

Traps Bay Sector 12:01 a.m. to midnight - daily

Courthouse Bay Sector 12:01 a.m. to midnight - daily

Stone Bay Sector 12:01 a.m. to midnight - daily

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

Grey Point Sector 12:01 a.m. to midnight - daily

Farnell Bay Sector sunrise to sunset - daily

Morgans Bay Sector sunrise to sunset - daily

Jacksonville Sector sunrise to sunset - daily

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

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

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

PA - SCHUYLKILL RIVER - PIPELINE MAINTENANCE - TEMPORARY BUOYS

On or about October 17 through October 28, 2016, Buckeye Partners, L.P. will conduct maintenance on an exposed pipeline in the Schuylkill River near East Pikeland Township in approximate position 40-09-50N, 075-31-38W. This is approximately 1400 feet north of the defunct Norfolk Southern Railroad Bridge that was part of the Cromby Power Plant rail spur. The project will require the construction of a temporary cofferdam which will be marked by a barrier float line. The float line will be marked with six lighted warning buoys, flashing ISO white every 2 seconds. Additionally, a channel for transiting small craft traffic will be temporarily established, marked with a green lighted buoy with a slow flashing green light at the southeastern corner of the cofferdam and a red lighted buoy with a slow flashing red light at the eastern shoreline of the Schuylkill. Finally, two additional lighted warning buoys will be established 200 feet upriver (north) and downriver (south) of project, flashing ISO white every 2 seconds. Small craft operators near that section of the Schuylkill are reminded to operate with caution.

LNM: 41/16

PA/NJ - DELAWARE RIVER - PHILADELPHIA TO TRENTON - BRIDGE MAINTENANCE

An engineering firm, on behalf of New Jersey Turnpike Authority, will be performing maintenance at I-276 (Delaware River Turnpike) Bridge over Delaware River, mile 121.2, in Bristol, PA and Burlington, NJ. The maintenance will be conducted between until October 28, 2016; M-F; from 7 a.m. to 3:30 p.m. Repairs to the bridge fender system and pier structure will occur. A crane barge and a 25 ft. work boat will be in and around the vicinity of the bridge. Maintenance personnel, equipment and vessels will be working outside the navigable channel. The work vessels may be reached on VHF-FM channel 13. The project foreman can be reached at (856) 207-3005 and VHF-FM channel 13. Mariners should use caution when transiting the area.

Chart 12314

LNM: 43/16

******NJ - LITTLE EGG INLET TO HEREFORD INLET - LITTLE EGG HARBOR AND GREAT BAY - TEMPORARY DATA BUOYS******

On or about November 7, 2016, Stockton University Coastal Research Center will be temporarily establishing two data buoys in Great Bay and Little Egg Harbor, one on either side of Great Bay Boulevard. Both are white cans with orange diamonds. The data buoy in Great Bay will be lighted with a slow flashing white light and located approximately 500 yards south of the southern entrance to Little Thorofare and 250 southeast of the tip of Cape Horn. The data buoy in Little Egg Harbor will be unlit, located approximately 1000 yards NNE of the northern entrance to Little Thorofare and 750 yards south of Gaunt Point. The buoys will be discontinued on or about February 17, 2017. Cape Horn Lighted Data Buoy, 39-32-13N, 074-20 05W, F1W 6s, White can with orange diamond
Little Egg Harbor Data Buoy, 39-34-13N, 074-19 42W, White can with orange diamond.

Chart 12316

LNM: 44/16

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

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

Chart 12318

LNM: 31/16

******NJ - MANASQUAN RIVER- DREDGING******

Mariners are advised that Village Dock Contracting will be conducting dredging operations in Manasquan Inlet, Crabtown creek, Kingsbridge Channel, Wills Hole Thorofare, Wills Hole West Channel, and Lower Manasquan River from 14 Nov 2016 to 31 Jan 2017. Dredge pipe will be located in multiple areas outside the channel and will be marked and lighted IAW Coast Guard regulations. There will be numerous points where submerged pipeline will be crossing the main navigational channel. These locations of submerged pipeline will be at Crabtown Creek entrance at 40° 06' 23"n, 074° 02' 50"w, in Lower Manasquan River at the entrance to the Point Pleasant Canal at 40° 05' 18"n, 074° 04' 03"w, at a marina entrance 40° 05' 36"n, 074° 03' 36"w, on the west side of the Brielle Bridge at 40° 06' 08"n, 074° 03' 17"w, at the railroad bridge at 40° 16' 18"n, 074° 03' 00"w, and at 40° 06' 21"n, 074° 02' 33"w toward the entrance of Manasquan Inlet. Work hours are 24 hours a day, 7 days a week. There will be two dredges, a push boat, skiff, booster pump barge, and dredging pipeline on scene. All marine equipment operators will be monitoring VHF-FM channels 13, 16 and 63. Dredge and work vessels will monitor VHF-FM channels 13 and 16. Mariners are advised to proceed with caution when transiting the area.

Chart 12324

Chart 12324

LNM: 44/16

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

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

Beesleys Point Buoy 1 39-17-32.4N, 074-37-34.1W Green Can
Beesleys Point Buoy 2 38-17-32.9N, 076-37-34.3W Red Nun

Chart 12316

LNM: 28/16

******NJ – GREAT EGG HARBOR BAY - GARDEN STATE PARKWAY - BRIDGE MAINTENANCE******

An engineering firm, on behalf of the New Jersey Transit Authority, will be performing a bridge maintenance project at the Garden State Parkway (Northbound) Bridge across the Great Egg Harbor Bay, at mile 3.5, between Beesley's Point and Somers Point, NJ, from November 1, 2016 until February 28, 2018, between 7 a.m. and 4 p.m., Monday through Saturday. A second work shift and 24-hour operations may be scheduled via separate notice and broadcast notice to mariners. Bridge work will include superstructure removal and replacement, deck repair and resurfacing, parapet replacement, substructure repairs, and fender replacement. A work platform extending approximately 2 feet below low steel of the bridge will be installed over the middle portion of the bridge, reducing the vertical clearance of the navigation span to approximately 48 feet. Vessels and barges will be operating and working in the area and necessary waterway closures will be scheduled via separate notice and broadcast notice to mariners.

Chart 12316

LNM: 44/16

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

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

Chart 12318

LNM: 31/16

NJ – GREAT EGG HARBOR BAY – POWER LINE REPAIRS

Mariners are advised that underwater repairs to the base of a power transmission line in Great Egg Harbor Bay will take place from October 18, 2016 through November 10, 2016. A 30'x90' barge, will be spudded in place at the base of the transmission tower approximately 1,250' out from the shoreline at the northwest tip of the Beasley's Point power generation plant. Mariners are advised to proceed with caution when transiting the area.

Chart 12316

LNM: 43/16

MD – OFF SHORE – SURVEY ACTIVITIES

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

Charts: 12200 12211

LNM: 34/16

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

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

Chart 12211

LNM: 31/16

MD - FENWICK ISLAND TO CHINCOTEAEUE INLET-OCEAN CITY INLET – SHOALING

A USACE survey conducted on 18 Oct 16 has identified shoaling to a depth of 7 ft at MLLW between Ocean City Inlet Lighted Buoy 8 (LLNR 4745) and Ocean City Inlet Lighted Buoy 10 (LLNR 4750) and shoaling to a depth of 6 ft at MLLW between Ocean City Inlet Lighted Buoy 11 (LLNR 4755) and Ocean City Inlet Lighted Buoy 12 (LLNR 4757). Mariners are urged to use caution when transiting the area. Mariners are urged to keep a sharp lookout and transit the area with extreme caution. MD-NCR BNM 364-16.

Chart 12211

LNM: 43/16

MD – ISLE OF WIGHT BAY – UNDERWATER BRIDGE INSPECTION

Underwater dive inspections will be conducted on the US 50 Bridge, at mile 0.5, over Isle of Wight Bay in Ocean City, MD beginning Friday, October 28, 2016 through Wednesday, November 30, 2016; M-F; from 7 a.m. to 6 p.m. To facilitate the work, a 25-foot dive craft will be used. This will be a movable operation not to impede vessel traffic. Inspection vessels will relocate from the moveable span and navigable channel, upon request. The vessel foreman can be reached at (302) 250-6073. 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 12211

LNM: 43/16

******MD- FENWICK ISLAND TO CHINCOTEAGUE INLET – SINEPUXENT BAY UNDERWATER BRIDGE INSPECTION******

Underwater dive inspections will be conducted on the US 611 Bridges (2 bridges: road and pedestrian), at mile 3.4, over Sinepuxent Bay in Assateague Island, MD, Monday, November 7, 2016 through Friday, December 9, 2016; M-F; from 7 a.m. to 6 p.m. To facilitate the work, a 25-foot dive craft will be used. This will be a movable operation not to impede vessel traffic. Inspection vessels will relocate from the navigable channel, upon request. The vessel foreman can be reached at (302) 250-6073. 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 12211

LNM: 44/16

MD – CHESAPEAKE BAY– CHESTER RIVER; KENT ISLAND NARROWS; ROCK HALL HARBOR AND SWAN CREEK

Mariners are advised the S213 (MD 213) Bridge over Chester River, mile 26.8, in Chestertown, MD will remain in the closed-to-navigation position and the navigational span will be closed to facilitate painting of the bridge. The bridge will remain in the closed position from 8 p.m. September 6, 2016 through 6 a.m. on November 20, 2016. The bridge will not be able to open for emergencies. The bridge will open for vessels on signal during the closure period, if at least 24 hours notice is given. Mariners should use extreme caution when transiting the area.

Chart 12272

LNM: 42/16

MD – CHESAPEAKE BAY – MAGOTHY RIVER – DREDGING OPERATIONS

Edwin A. and John O. Crandell, Inc will be conducting dredging operations in the Magothy River from mid October to November 2016. The channel width will be restricted during this process. Mariners are urged to provide 6 hours advance notice for passage, use caution when transiting the area and reduce to a no wake speed in the vicinity of the equipment. Contact the Crandell dredge on VHF-FM channels 13, 16 and 08. The Edwin A. and John O. Crandell, Inc. project manager can be reached at (410) 507-0927, or (410) 507-0928.

Chart 12282

LNM: 42/16

MD – CHESAPEAKE BAY – PATAPSCO RIVER – ROCK CREEK – DREDGING OPERATIONS

Edwin A. and John O. Crandell, Inc will be conducting dredging operations in Rock Creek from mid October to November 2016. The channel width will be restricted during this process. Mariners are urged to provide 6 hours advance notice for passage, use caution when transiting the area and reduce to a no wake speed in the vicinity of the equipment. Contact the Crandell dredge on VHF-FM channels 13, 16 and 08. The Edwin A. and John O. Crandell, Inc. project manager can be reached at (410) 507-0927, or (410) 507-0928.

Chart 12278

LNM: 42/16

MD – CHESAPEAKE BAY – CHOPTANK RIVER AND HERRING BAY – ROCKHOLD CREEK – DREDGING OPERATIONS

Edwin A. and John O. Crandell, Inc will be conducting dredging operations in Rockhold Creek and Tracy's Creek at Deale, MD, from mid November to 28 February 2017. Within Rockhold Creek, dredging of the 50-foot wide navigation channels will occur from approximately the Defense Highway overpass to roughly 700 linear feet upstream (north). The channel width will be restricted during this process. Equipment on scene includes 4 scour barges and 2 digging barges. All equipment will be marked and lighted in accordance with USCG regulations. Mariners are urged to provide 6 hours advance notice for passage, use caution when transiting the area and reduce to a no wake speed in the vicinity of the equipment, and should contact vessel "BIG C TOO" via marine band radio VHF-FM channels 13, 16 and 08. The Edwin A. and John O. Crandell, Inc. project manager can be reached at (410) 507-0927, or (410) 507-0928.

Chart 12266

LNM: 41/16

******MD – POTOMAC RIVER – IN THE VICINITY OF DAHLGREN – US NAVY SURVEYS******

The US Navy will be conducting Unmanned Underwater Vehicle (UUV) bathymetric and geophysical surveys on the Potomac River in the following areas from 1 through 10 Nov 2016: In the vicinity of the Harry W. Nice Memorial Bridge, utilizing rectangular box wposeyshore and extending 900 meters North and South of the bridge. The area between Swann Point and Cobb Island, approximately 0.5 miles by 6 miles. The old bombing target, approximately 19 acres located near the Chotank Creek Natural Area Preserve. Please see Enclosure 9 for more information. The UUV operator and boat crews will monitor traffic to allow enough time to recover the vehicle before any traffic is impacted. Operations will be limited to daylight hours. On scene will be the R/V R&R, US Navy Utility Boat 28 and US Navy 11 meter RHIB will be monitoring VHF-FM channels 13 & 16. The Naval Surface Warfare Center, Panama City Division point of contact for this project is LCDR Thomas Dill. Contact may be made as follows: Office: (850) 230-7234, Cellular: (850) 628-7703, Email: thomas.dill@navy.mil

Charts: 12286 12287 12288

LNM: 43/16

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

Coastal Design and Construction will temporarily establish six mooring buoys on the west side of Smith Island off of Hog Neck to support work barges for a shoreline protection project. The buoys will be white with blue bands and rise 3 feet above the waterline. The buoys are expected to be removed on or about 30 November 2016.

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

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

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

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

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

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

Chart 12231

LNM: 29/16

******DC – POTOMAC RIVER – DISTRICT OF COLUMBIA - BRIDGE INSPECTION******

A bridge inspection will be conducted on the 14th Street Bridge, at mile 110, over Potomac River, in Washington, DC. The inspection will be conducted between October 31, 2016 and November 18, 2016; M-F; from 9 a.m. to 3 p.m. To facilitate the work, a bucket boat will be used. Inspection personnel, equipment and vessel will relocate from navigable channel, upon request. The vessel may be reached on VHF-FM channel 13. The project foreman can be reached at (240) 475-4373. Mariners are requested to notify the project foreman at least five minutes prior to navigation through the area and should use caution while transiting the area.

******DC – POTOMAC RIVER – DISTRICT OF COLUMBIA - BRIDGE INSPECTION******

Chart 12285

LNM: 44/16

******MD/VA – CHESAPEAKE BAY – BALTIMORE HARBOR TO NEWPORT NEWS - VESSEL MOVEMENT******

The 954-foot USNS GILLILAND (T-AKR 298) is scheduled to be towed in a dead ship status from Baltimore Harbor, MD to Newport News, VA along an intended route that includes the Patapsco River, Chesapeake Bay, and Hampton Roads during November 3-4, 2016. The vessel will be towed from Pier 1N Clinton Street in Baltimore, MD to Pier 15N in Newport News, VA. Interested mariners may contact the lead towing vessel CHRISTINE MCALLISTER via marine band radio VHF-FM channel 16 or 13, or McAllister Towing of Virginia at telephone number (757) 494-2895.

Chart 12280

LNM: 44/16

******MD/VA - POTOMAC RIVER - ST CATHERINE SOUND******

Due to significant shoaling the following aid to navigation changes have occurred to mark best water in St Catherine Sound. Established St Catherine Sound Lower Entrance Buoy 7L in approximate position 38-14-23.379N, 076 -47-12.244W in 6.8ft of water. Converted Daybeacon 7L (LLNR 17240) to St Catherine Sound Lower Entrance Warning Daybeacon B (LLNR 17240). Due to channel shifting leaving more water on the opposite side of St. Catherine Sound Lower Entrance Daybeacon 4L (LLNR 17230) removed 2 red triangles and installed 2 green squares marked 5L to mark best water.

Chart 12286

LNM: 44/16

VA –CHESAPEAKE BAY–RAPPAHANNOCK RIVER ENTRANCE–PIANKATANK AND GREAT WICOMICO RIVERS

Mariners are advised that an engineering firm, on behalf of Virginia Department of Transportation, will be performing maintenance at SR 3 (Robert O. Norris Jr.) bridge, over Rappahannock River, mile 8.3, in White Stone, VA. The maintenance (bridge painting) will be conducted on October 24, 2016 through November 2017; 24 hours a day; 7 days a week. A containment system will be installed over certain portions of the bridge extending 4 feet below low steel. The vertical clearance of the bridge will be reduced by 4 feet, to approximately 106 feet above mean high water. Maintenance personnel, equipment, two barges and work vessels will be in the vicinity of the bridge. Quick flashing red lights will be positioned no more than 10 feet apart and on all corners, to mark the bottom of the containment system attached to the bridge. Work vessels may be reached on VHF-FM channel 13. The project foreman can be reached at (804) 577-0049 or (216) 235-3933. Mariners should use caution when transiting the area.

Chart 12235

LNM: 42/16

******VA – CHESAPEAKE BAY – CHESAPEAKE BAY ENTRANCE – NOAA LIGHTED DATA BUOY RELOCATION******

On or about October 25, 2016, the National Oceanic and Atmospheric Administration will be relocating NOAA Lighted Data Buoy FL (LLNR 7068) closer to the Chesapeake Bay Bridge Tunnel. This is intended to reduce the risk of vessel strikes. The lighted buoy will otherwise maintain its current characteristics.

Relocate

NOAA Lighted Data Buoy FL (LLNR 7068), from, 36-58-46.740N, 076-02-36.240W to approximately, 36-59-53.376N, 076-05-13.848W.

Chart 12221

LNM: 43/16

******VA – CHESAPEAKE BAY - CAPE HENRY TO THIMBLE SHOAL LIGHT – NAVAL ANCHORAGE AREA A – MILITARY OPERATIONS******

Naval Special Warfare Group Two (NSWG2) will be conducting military operations in the Naval Anchorage Area A, 110.168, off Cape Henry on 16 Nov 2016 with weather back up day of 17 Nov 2016. Operations will consist of boat operations and air drops of personnel and cargo.

Charts: 12208 12222 12254

LNM: 44/16

******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 helicopter air drops and recovery, blank firing.

Naval Anchorage Area A, 31 Oct thru 1 Nov 16. Between the hours of 8:00 am and 5:00 pm each day.

Naval Anchorage Area D, Restricted Area 334.310, 8 Nov 16. Between the hours of 10:00 am and 4:00 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 - CHESAPEAKE BAY - WILLOUGHBY BAY - MILITARY EXERCISE

A live blank fire exercise for NSA-Norfolk Naval Shipyard (NSA-NNSY) Harbor Patrol Unit will be conducted in Willoughby Bay in approximate position 36-57N, 76-17.5W 24 from 15 November 2016 to 17 November 2016, during the hours of 8:00 am to 4:00 pm. Vessels from NSA-NNSY Harbor Patrol Unit, Atlantic Targeting 8M Rigid Hulled Inflatable Boat and Harbor Security Boats will take part in the exercise. VHF-FM channels 82 primary and 69 secondary will be monitored on scene or you may contact Erik Wagner at 757-483-3821 for question or concerns.

Chart 12245

LNM: 39/16

******VA - BACK RIVER – HAMPTON - LANGLEY AIR FORCE BASE FUEL PIER – DREDGING******

W3 Marine and the dredge MOBRO 112 will be conducting dredging operations at the Langley Fuel Pier in Back River starting on November 15, 2016 and continuing until February 15, 2017. The dredge can be contacted on the VHF-FM channels 13 and 16. Mariners are requested to review the DREDGING AND MARINE CAUTIONS notice at the beginning of this section. Mariners are requested to stay clear of the dredges, dumpscows, and attendant plant. Exercise extreme caution and no wake speed when approaching: passing, and leaving the dredge area.

Chart 12222

LNM: 44/16

VA – YORK RIVER – VICINITY OF THE COLEMAN BRIDGE

Precon Marine Inc. will be performing Diving and Crane operations from a 60' by 120' barge in the vicinity of John P. Coleman bridge from 3 October until 4 November 2016. The work will consist of installing articulating mats with a floating crane 1000' north of the bridge on the York side of the river in approximate position 37-14'28", 76-30'42". During the installation while divers are working over the side the required notifications will be displayed. Mariners should use extreme caution and maintain a no wake speed when transiting this work area. The onsite barge superintendent will monitor and answer VHF-FM channels 13 and 16, and can be reached at 757-754-0767.

Chart 12241

LNM: 39/16

******VA – JAMES RIVER JORDAN POINT TO RICHMOND – DREDGING******

Cottrell Contracting Corporation of Chesapeake, Virginia Dredge Rockbridge will be conducting dredging operations at the Richmond Deepwater Terminal on the James River. Work will begin approximately 650 Feet South of James River Light 166 (LLNR 12790) and continue to 3500 Feet North of James River Light 166 (LLNR 12790) from 21 October until 1 December 2016.

Chart 12252

LNM: 43/16

******VA – YORK RIVER – CHEATHAM ANNEX – DIVING AND CRANE OPERATIONS******

Precon Marine Inc. will be performing Diving and Crane operations from work boats, work platforms and a 60' by 120' barge at the "CAD A" pier located at the US Navy Base, Cheatham Annex from 31 October 2016 until 1 November 2017. The work will consist of installing concrete pile jackets with divers and pile driving operations with a floating crane. During the installation divers will be working over the side, the required notifications will be displayed. Mariners should use extreme caution and maintain a no wake speed when transiting this work area and make contact with Naval Station Yorktown prior to approaching the pier in approximate position , 37-17-39.61N, 076-35-10.37W. The onsite barge superintendent will monitor and answer VHF-FM channels 13 and 16, and can be reached at 757-754-0767.

Charts: 12238 12243

LNM: 43/16

******VA - POTOMAC RIVER – QUANTICO******

Marine Corps Air Facility Quantico has established 32 white and orange buoys in approx posit 38-30-11N, 077-17-51W, marking Restricted Area 334.235 in the Potomac River near Chopawamsic Island.

Chart 12288

LNM: 44/16

******VA – NORFOLK HARBOR – ELIZABETH RIVER – BERKLEY BRIDGE – CLOSURE******

The Berkley (U.S. 460/S.R. 337) Bridge across Elizabeth River, at mile 0.4, at Norfolk, VA, will be maintained in the closed position to facilitate testing of emergency drive motors on both bridges on Sunday, October 30, 2016, from 1 a.m. to 6 a.m. The bridge will not be able to open for emergencies during the closure period. Vessels able to safely pass through the bridge in the closed position may do so. Mariners should use caution when transiting the area.

Chart 12253

Chart 12253

LNM: 43/16

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

On or about November 7, 2016, North Carolina Department of Transportation will be establishing three wave break structures. These structures will be marked with daymarks and white, slow flashing warning lights.

Old House Channel Warning Light A, 36-45-17.3N, 075-35-13.7W, Fl W 2.5S, NW on pile
Old House Channel Warning Light B, 36-45-17.8N, 075-35-10.7W, Fl W 2.5S, NW on pile
Old House Channel Warning Light C, 36-45-17.1N, 075-35-07.8W, Fl W 2.5S, NW on pile

Charts: 12204 12205

LNM: 43/16

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/bonnerbridge/replace/>.

Chart 12205

LNM: 18/16

******NC - NEUSE RIVER AND UPPER PART OF BAY RIVER – BRIDGE CLOSURE******

Mariners are advised that the US 70 (Alfred C. Cunningham) Bridge, at mile 0.0, across the Trent River, at New Bern, NC, need only open every two hours between 8 a. m. and 7 p. m. to facilitate the free and safe movement of attendees during the annual MUMFEST on November 12. On November 13, the Bridge need only open every two hours between 9 a. m. and 7 p. m. The available vertical clearance in the closed-to-navigation position is approximately 14 feet, above MHW. At all other times, the drawbridge will operate in accordance with the drawbridge regulations set out in Title 33 Code of Federal Regulations Part 117.843(a). Mariners able to pass under the closed span may do so and should adjust their transits accordingly.

****NC - NEUSE RIVER AND UPPER PART OF BAY RIVER – BRIDGE CLOSURE****

Chart 11552

LNM: 44/16

NC – GALLANTS CHANNEL – BRIDGE CONSTRUCTION

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

Chart 11545

LNM: 12/16

****NC – CAPE FEAR RIVER– WILMINGTON – ISABEL S. HOLMES BRIDGE CLOSURE****

The Cape Fear Memorial Bridge across the Cape Fear River at Wilmington, NC and the Isabel S. Holmes Bridge, across Northeast Cape Fear River, at Wilmington, NC, will remain in the closed-to-navigation position, as authorized in CFR 117.822, to facilitate the 2016 Battleship Half Marathon 10K and 5K. The bridges will remain in the closed position from 7:00 a.m. to 11 a.m. on November 06, 2016. Mariners are requested to proceed with caution in these areas. For any comments or questions, contact the Marine Event Coordinator at Coast Guard Sector North Carolina, (910) 772-2221 or (910) 772-3882.

Charts: 11534 11539

LNM: 43/16

****NC – CAPE FEAR RIVER – MOTSU - DREDGING****

The Bucket dredge VIRGINIAN will commence dredging operations at the Military Ocean Terminal Sunny Point (MOTSU) on the Cape Fear River adjacent to Lower Midnight Channel on or about November 3, 2016. The project is expected to continue until approximately May 15, 2017. The dredge will be loading mud scows which will be towed to the Ocean Dredged Material Disposal Site (ODNIDS) located 3.5 miles south east of Cape Fear River Entrance Channel Lighted Buoy 2 (LLNR 30318). The Dredge Operator will standby on Channels 13 and 16 VHF-FM. Traffic should call 30 minutes prior to expected time of passage.

Charts: 11537 11539

LNM: 44/16

****NC – CAPE FEAR RIVER – HORSESHOE REACH - DREDGING****

The Bucket dredge ATLANTIC will commence dredging operations inside Horseshoe Reach on the Cape Fear River adjacent to Cape Fear River Channel Lighted Buoy 27 (LLNR 30550) on or about November 2, 2016. The project is expected to continue until approximately May 15, 2017 with the dredge eventually performing work inside Mid-River Shoals, Upper Big Island and Lower Lilliput Channels. The dredge will be loading mud scows which will be towed to the Ocean Dredged Material Disposal Site (ODNIDS) located 3.5 miles south east of Cape Fear River Entrance Channel Lighted Buoy 2 (LLNR 30318). The Dredge Operator will standby on Channels 13 and 16 VHF-FM. Traffic should call 30 minutes prior to expected time of passage.

Charts: 11537 11539

LNM: 44/16

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

Cottrell Contracting Corporation Dredge Lexington will be conducting dredging operations on the Intracoastal Waterway, north of Cape Fear River, Wilmington, Brunswick County, NC in the area off Cape Fear Lighted Buoy 25 (LLNR 30530) and Cape Fear Lighted Buoy 25A (LLNR 30531) from 25 September until 11 November 2016.

Chart 11537

LNM: 42/16

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

Chart 11536

LNM: 21/16

SECTION VIII - LIGHT LIST CORRECTIONS

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

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1070	<i>Barnegat Inlet Lighted Buoy 34</i>	39-47-33.112N 074-08-09.518W	FIR 2.5s		4	Red.	Replaced by nun from Nov. 1 to May 1.

*

SECTION VIII - LIGHT LIST CORRECTIONS (Continued)

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
1125	<i>Little Egg Inlet Lighted Buoy 6</i>	39-28-56.822N 074-18-10.882W	Q R		4	Red.	Replaced by nun from Nov. 1 to May 1.	44/16
2565	REEDY ISLAND DIKE MIDDLE LIGHT	39-28-58.483N 075-34-26.463W	FI W 6s	20	7	NW on pile worded DANGER SUBMERGED DIKE.		44/16
2830	DELAWARE RIVER LIGHT 15	39-35-24.874N 075-33-55.359W	FIG 6s	15	5	SG on pile.		44/16
4436	* <i>Middle Island West Channel Junction Lighted Buoy MI</i>	38-36-22.365N 075-06-22.202W	FI (2+1)R 6s		4	Red and Green.	Maintained from May 1 to Nov. 1.	44/16
4735	<i>Ocean City Inlet Entrance Lighted Buoy 4</i>	38-19-23.712N 075-04-55.860W	FIR 4s		4	Red.		44/16
4755	<i>Ocean City Inlet Lighted Buoy 11</i>	38-19-37.108N 075-05-43.496W	FIG 2.5s		4	Green.		44/16
5042	<i>Sinepuxent Bay Channel Lighted Buoy 11</i>	38-17-49.837N 075-07-17.565W	FIG 4s		4	Green.	Replaced by can when endangered by ice.	44/16
5125	<i>Sinepuxent Bay Channel Lighted Buoy 31</i>	38-12-08.500N 075-11-33.000W	FIG 4s		4	Green.	Replaced by can when endangered by ice.	44/16
5310	<i>Chincoteague Channel Lighted Buoy 10</i>	37-52-54.956N 075-25-00.286W	Q R		4	Red.		44/16
5360	<i>Chincoteague Channel Lighted Buoy 20</i>	37-54-28.246N 075-24-22.732W	FIR 2.5s		4	Red.		44/16
5380	<i>Chincoteague Channel Lighted Buoy 23</i>	37-55-06.732N 075-23-45.055W	FIG 4s		4	Green.		44/16

SECTION VIII - LIGHT LIST CORRECTIONS (Continued)

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
5390	<i>Chincoteague Channel Lighted Buoy 26</i>	37-55-43.902N 075-23-33.101W	FIR 2.5s		4	Red.	44/16
5400	<i>Chincoteague Channel Lighted Buoy 29</i>	37-55-50.413N 075-23-21.284W	FIG 4s		4	Green.	Replaced by can when endangered by ice. 44/16
5915	<i>Virginia Inside Passage Lighted Buoy 97</i>	37-40-09.018N 075-37-09.318W	FIG 4s		4	Green.	44/16
6625	<i>Wachapreague Inlet Lighted Buoy 5</i>	37-34-42.796N 075-35-48.191W	FIG 2.5s		4	Green.	Replaced by can when endangered by ice. 44/16
6776	<i>Quinby Creek Lighted Buoy 9</i>	37-31-54.786N 075-43-20.988W	FIG 4s		4	Green.	44/16
6917	<i>Great Machipongo Channel Lighted Wreck Buoy WR6</i>	37-27-50.575N 075-48-23.793W	Q R		4	Red.	Replaced by nun when endangered by ice. 44/16
6927	<i>Great Machipongo Channel Lighted Wreck Buoy WR10</i>	37-29-00.306N 075-48-00.732W	Q R		4	Red.	44/16
6930	<i>Great Machipongo Channel Lighted Buoy 11</i>	37-29-22.914N 075-47-40.110W	Q G		4	Green.	44/16
9690	CRANEY ISLAND CREEK WRECK LIGHT WR12	36-53-05.154N 076-21-01.974W	Q R	15	4	TR on pile.	44/16
9810	<i>Portsmouth Marine Terminal Lighted Buoy 2PM</i>	36-51-43.371N 076-19-21.394W	Q R		4	Red.	44/16
13080	BACK RIVER CHANNEL LIGHT 18	37-06-13.967N 076-19-43.322W	Q R	15	3	TR on pile.	44/16
13095	BACK RIVER CHANNEL LIGHT 22	37-05-24.305N 076-20-03.881W	FIR 4s	15	3	TR on pile.	* 44/16 *

SECTION VIII - LIGHT LIST CORRECTIONS (Continued)

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
13100	BACK RIVER CHANNEL LIGHT 25	37-05-11.157N 076-20-09.289W	FIG 2.5s	15	4	SG on pile.	44/16
							*
13105	BACK RIVER CHANNEL LIGHT 27	37-04-36.397N 076-20-23.819W	FIG 4s	15	4	SG on pile.	44/16
							*
13120	BACK RIVER NORTHWEST BRANCH LIGHT 1	37-05-54.973N 076-20-10.716W	FIG 2.5s	15	3	SG on pile.	44/16
							*
13125	BACK RIVER NORTHWEST BRANCH LIGHT 3	37-05-42.004N 076-20-31.951W	FIG 4s	15	3	SG on pile.	44/16
							*
13220	GOOSE CREEK JUNCTION LIGHT GC	37-11-05.393N 076-25-25.025W	FI (2+1)R 6s	15	4	JR on pile.	44/16
							*
13365	GOODWIN THOROFARE CHANNEL WARNING LIGHT GT	37-13-40.006N 076-25-03.783W	FI W 4s	15	5	NW on pile worded DANGER SHOAL.	44/16
							*
13760	UPPER YORK RIVER CHANNEL LIGHT 6	37-17-23.625N 076-33-56.676W	FIR 2.5s	16	4	TR on pile.	44/16
							*
13785	QUEEN CREEK ENTRANCE LIGHT 2QC	37-18-01.387N 076-36-29.640W	FIR 2.5s	15	4	TR on multi-pile structure.	44/16
							*
13920	UPPER YORK RIVER CHANNEL LIGHT 12	37-20-59.479N 076-36-55.344W	FIR 4s	16	4	TR on multi-pile structure.	44/16
							*
13930	UPPER YORK RIVER CHANNEL LIGHT 14	37-22-37.153N 076-38-35.892W	FIR 2.5s	16	4	TR on multi-pile structure.	44/16
							*
14020	UPPER YORK RIVER CHANNEL LIGHT 31	37-30-00.355N 076-47-07.068W	Q G	16	4	SG on pile.	44/16
							*
14075	NEW POINT COMFORT SPIT CHANNEL LIGHT 2	37-17-44.150N 076-15-41.052W	FIR 2.5s	20	6	TR on pile.	44/16
							*
14165	EAST RIVER ENTRANCE LIGHT 1E	37-21-19.594N 076-21-07.070W	FIG 4s	15	4	SG on pile.	44/16
							*
14230	BROWNS BAY LIGHT 1BB	37-18-08.525N 076-22-56.980W	FIG 4s	15	4	SG on multi-pile structure.	44/16
							*
14240	BROWNS BAY LIGHT 3	37-18-10.796N 076-23-13.184W	FIG 4s	15	4	SG on pile.	44/16
							*
14255	SEVERN RIVER LIGHT 1	37-19-22.775N 076-23-39.070W	FIG 4s	16	4	SG on pile.	44/16
							*

SECTION VIII - LIGHT LIST CORRECTIONS (Continued)

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
14680	PIANKATANK RIVER LIGHT 3	37-32-22.028N 076-16-42.230W	FIG 4s	19	4	SG on pile.	44/16
							*
14745	PIANKATANK RIVER LIGHT 8	37-30-51.524N 076-18-54.890W	FIR 2.5s	15	4	TR on pile.	44/16
							*
14755	PIANKATANK RIVER LIGHT 10	37-31-20.064N 076-19-58.401W	FIR 4s	15	4	TR on pile.	44/16
							*
14810	MILFORD HAVEN LIGHT 12	37-28-38.378N 076-16-29.276W	FIR 4s	15	4	TR on pile.	44/16
							*
15095	LOCKLIES CREEK LIGHT 1	37-36-02.378N 076-25-26.339W	Q G	15	4	SG on pile.	44/16
							*
15290	LAGRANGE CREEK ENTRANCE LIGHT 2	37-39-55.784N 076-34-48.637W	FIR 2.5s	15	3	TR on pile.	44/16
							*
15435	WILDWOOD BEACH LIGHT 2	37-48-43.639N 076-44-34.548W	FIR 2.5s	15	4	TR on pile.	44/16
							*
15750	RAPPAHANNOCK RIVER LIGHT 68	38-10-07.012N 077-08-27.235W	FIR 4s	15	4	TR on multi-pile structure.	44/16
							*
16010	ANTIPOISON CREEK LIGHT 4	37-37-55.362N 076-19-28.974W	FIR 2.5s	15	3	TR on pile.	44/16
							*
16040	DYMER CREEK ENTRANCE LIGHT 4	37-39-30.530N 076-19-22.786W	FIR 2.5s	15	4	TR on pile.	44/16
							*
16080	INDIAN CREEK LIGHT 4	37-40-38.800N 076-18-57.619W	FIR 4s	15	4	TR on pile.	44/16
							*
16105	INDIAN CREEK LIGHT 10	37-41-27.822N 076-20-36.807W	FIR 4s	15	4	TR on pile.	44/16
							*
17230	St. Catherine Sound Lower Entrance Daybeacon 5L	38-13-58.404N 076-47-08.727W				SG on pile.	44/16
	*						*
17240	St. Catherine Sound Lower Entrance Warning Daybeacon	38-14-17.586N 076-47-15.562W				NW on pile worded DANGER SHOAL.	44/16
	*						*
17243	St. Catherine Sound Lower Entrance Buoy 7L	38-14-23.379N 076-47-12.244W				Green can.	44/16
	*						*
17400	NEALE SOUND CHANNEL LIGHT 2N	38-16-01.142N 076-52-01.541W	FIR 4s	15	5	TR on pile.	44/16
							*

SECTION VIII - LIGHT LIST CORRECTIONS (Continued)

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
18370	<i>Upper Potomac River Channel Lighted Buoy 64</i>	38-40-06.919N 077-07-53.024W	FIR 4s		4	Red.	Replaced by LIB of reduced intensity from Dec. 1 to Mar. 15.	44/16
19527	<i>Rhode River Lighted Wreck Buoy WR5</i>	38-52-38.424N 076-31-20.932W	Q G		4	Green.	Replaced by can from Nov. 15 to Mar. 15.	44/16
21055	<i>Seagirt Marine Terminal East Channel Lighted Buoy 5</i>	39-14-41.992N 076-32-32.442W	Q G		4	Green.		44/16
23880	WICOMICO RIVER CHANNEL LIGHT 32	38-18-18.846N 075-45-43.615W	FIR 2.5s	15	4	TR on pile.		44/16
24345	NANTICOKE RIVER CHANNEL LIGHT 68	38-37-25.548N 075-37-24.672W	FIR 4s	15	4	TR on pile.	*	44/16
25530	BROAD CREEK LIGHT 1B	38-41-39.019N 076-14-57.575W	FIG 4s	15	4	SG on pile.		44/16
28083	Oregon Inlet Channel Buoy 26	35-46-43.113N 075-33-05.997W				Red nun.	*	44/16
29720	New River Inlet Buoy 10	* 34-31-51.482N 077-20-38.750W				Red nun.		44/16
29725	New River Inlet Buoy 11	* 34-32-09.347N 077-20-42.146W				Green can.		44/16
29726	New River Inlet Buoy 11A	* 34-32-18.603N 077-20-30.320W				Green can.		44/16
29727	New River Inlet Buoy 13	* 34-32-38.290N 077-20-31.008W				Green can.		44/16
* 30105	* Banks Channel Daybeacon 13	* 34-23-22.591N 077-36-08.822W	* FIR 4s	* 15	* 5	* SG on pile.	* Replaced by LIB of reduced intensity from Dec. 1 to Mar. 15.	44/16
30125	BANKS CHANNEL LIGHT 18	* 34-24-04.200N 077-35-17.058W	FIR 4s	15	5	TR on pile.		44/16
							*	

SECTION VIII - LIGHT LIST CORRECTIONS (Continued)

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
31510	PERQUIMANS RIVER ENTRANCE LIGHT 2P	36-04-31.454N 076-12-55.114W	FIR 2.5s	15	5	TR on pile.	44/16
32050	Chicamacomico Channel Daybeacon 2	35-36-04.517N 075-30-29.208W				TR on pile.	* 44/16
33775	* SMITH CREEK CHANNEL LIGHT 8	35-01-19.355N 076-41-56.757W	FIR 4s	15	4	TR on multi-pile structure.	44/16
39530	NEW RIVER - CAPE FEAR RIVER LIGHT 96	34-22-33.198N 077-38-47.140W	FIR 4s	15	4	TR-TY on pile.	44/16
39597	New River - Cape Fear River Buoy 121	34-14-58.648N 077-46-57.186W				Green can with yellow square.	44/16

*

PUBLICATION CORRECTIONS

None

ENCLOSURES

Enclosures

1. Summary of Shoaling.
 2. Summary of Bridge Regulations/Construction/Permits.
 3. Summary of Dredging and Construction.
 4. Summary of Marine Events.
 5. Summary of Coast Guard Sector North Carolina shoaling/waterway projects.
 6. Summary of Coast Guard Sector Hampton Roads shoaling/waterway projects.
 7. Maryland Offshore Survey Activities.
 8. US Navy Surveys on the Potomac River
-
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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

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

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

PENNSYLVANIA SHOALING

MARYLAND SHOALING

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

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

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

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

******MD - FENWICK ISLAND TO CHINCOTEAEU INLET-OCEAN CITY INLET – SHOALING****** (Chart 12211)

A USACE survey conducted on 18 Oct 16 has identified shoaling to a depth of 7 ft at MLLW between Ocean City Inlet Lighted Buoy 8 (LLNR 4745) and Ocean City Inlet Lighted Buoy 10 (LLNR 4750) and shoaling to a depth of 6 ft at MLLW between Ocean City Inlet Lighted Buoy 11 (LLNR 4755) and Ocean City Inlet Lighted Buoy 12 (LLNR 4757). Mariners are urged to use caution when transiting the area. Ref LNM 43/16, MD-NCR BNM 364-16

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.

******MD/VA - POTOMAC RIVER - PINEY POINT TO LOWER CEDAR POINT - ST. CATHERINE SOUND LOWER ENTRANCE - SHOALING****** (Chart 12286)

Shoaling exists in St. Catherine Sound Lower Entrance at the following locations: (1) off the northeastern tip of St. Catherine Island extending channel ward between position 38-14-17.586N, 076-47-15.562W and position 38-14-32.841N, 076-47-14.761W, and (2) in the vicinity of St. Catherine Sound Lower Entrance 4L (LLNR 17230). Ref LNM 44/16, CCGD5 BNM 524-16

VIRGINIA SHOALING

VA – NANDUA CREEK (Chart 12226)

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

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

VIP Day beacon 107 (LLNR 5950) to VIP Day beacon 265 (LLNR 6580), Shoaling to less than 6ft MLW. HR BNM 106-16
Quinby Creek Day beacon 7 (LLNR 6770) to Quinby Creek Light 13 (LLNR 6785), Shoaling to less than 6 ft MLW. HR BNM 104-16
VIP Day beacon 244 (LLNR 6485), Shoaling to 1 foot. HR BNM 272-14
Sand Shoal Channel Light 1 (LLNR 6990) to Sand Shoal Light 10 (LLNR 6996) LNM 24-13

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

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

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

VA – CHESAPEAKE BAY – RAPPAHANNOCK RIVER ENTRANCE – MILFORD HAVEN (Chart 12235)

Shoaling has been reported to less than 1 foot at MLW in vicinity of Milford Haven Channel Light 3 (LLNR 14770) extending 100 yards east of Day beacon 3A (LLNR 14775). HR BNM 573-15

VA – CHESAPEAKE BAY – RAPPAHANNOCK RIVER ENTRANCE - MILFORD HAVEN EAST (Chart 12235)

Shoaling has been reported to 3 feet between Milford Haven East Light 6 (LLNR 14593) and Milford Haven East Light 9 (LLNR 14605). HR BNM 030-15

VA – CHESAPEAKE BAY - MATTAWOMAN CREEK – SHOALING (Chart 12226)

Shoaling has been Reported to a depth of 2-3ft at mean low water in the channel of Mattawoman Creek between Mattawoman Creek Light 1MC (LLNR 21580) and Mattawoman Creek Light 2 (LLNR 21585). Mariners are advised to transit the area with caution.

******VA/MD - POTOMAC RIVER - PINEY POINT TO LOWER CEDAR POINT - ST. CATHERINE SOUND LOWER ENTRANCE - SHOALING****** (Chart 12286)

Shoaling exists in St. Catherine Sound Lower Entrance at the following locations: (1) off the northeastern tip of St. Catherine Island extending channel ward between position 38-14-17.586N, 076-47-15.562W and position 38-14-32.841N, 076-47-14.761W, and (2) in the vicinity of St. Catherine Sound Lower Entrance 4L (LLNR 17230). Ref LNM 44/16, CCGD5 BNM 524-16

VA – CHESAPEAKE BAY – MOB JACK BAY AND YORK RIVER ENTRANCE - HORN HARBOR (Chart 12238)

Shoaling has been reported to 1-2 feet one hour before low tide extending 50 yards channel ward from Horn Harbor Lighted Buoy 8 (LLNR 14487). HR BNM 182-15

VA – CHESAPEAKE BAY – YORKTOWN TO WEST POINT - QUEEN CREEK (Chart 12243)

Shoaling to less than 3 feet has been reported in Queen Creek from Queen Creek Entrance Light 2QC (LLNR 13785) to Queen Creek Day beacon 10 (LLNR 13820). HR BNM 170-14

VA – HAMPTON ROADS - WILLOUGHBY BAY (Chart 12245)

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

VA – CHESAPEAKE BAY – LYNNHAVEN INLET – LONG CREEK CHANNEL (Chart 12254)

Shoaling to 2.4 feet has been reported in Long Creek Channel east of Long Creek Channel Day beacon 7 (LLNR 10167) in the vicinity of Pleasure House Point. HR BNM 293-14

VA – RUDEE INLET CHANNEL – SHOALING

The City of Virginia Beach Survey of Rudee Inlet, dated September 16, 2016 indicates shoaling across the channel from approximately 40 feet east of the east ends of the jetties extending out eastward approximately 175 feet. Least depths range from 7.6' to 10' MLLW.

Chart 12205, 12207, 12208, 12221

NORTH CAROLINA SHOALING

NC – PAMLICO SOUND BRANT ISLAND SHOAL – SHOALING (Chart 11548)

Shoaling to 3 feet has been reported in the area of the southeast tip of the charted shoal in the vicinity of Brant Island Slue in approximate position 35-10.45N,076-23.05W.

NC – EMERALD ISLE – SWANSBORO COAST GUARD CHANNEL (Chart 11541)

Shoaling has been reported to 2.6' in the vicinity of Swansboro Coast Guard Channel Buoy 3A (LLNR 29608) and Swansboro Coast Guard Channel Light 5 (LLNR 29645). NC BNM 219-13

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

Shoaling to 2.6 feet has been reported in the vicinity of New River- Cape Fear River Buoy 99A (LLNR 39548). NC BNM 048-15

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

Shoaling to 4.5 feet has been reported in the vicinity of Bogue Inlet Lighted Buoy 1 (LLNR 29495), and Bogue Inlet Buoys 2 and 3 (LLNR 29500 and 29505). NC BNM 255-14

NC – NEUSE RIVER TO MYRTLE GROVE SOUND - NEW RIVER – NEW RIVER INLET (Chart 11542)

Shoaling has been reported to 2 feet in New River Inlet Channel. NC BNM 003-15

NC – CURRITUCK BEACH LIGHT TO WIMBLE SHOALS – OREGON INLET (Chart 12204)

Shoaling has been reported to 2 feet in Oregon Inlet Channel near the Bonner Bridge. NC BNM 642-14

NC – NEUSE RIVER TO MYRTLE GROVE – BANKS SLOUGH CHANNEL (Chart 11541)

Shoaling has been reported to 0.5 feet in Banks Slough Channel. NC BNM 658-14

NC – CAPE HATTERAS – HATTERAS INLET (Chart 11555)

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

NC – CAPE HATTERAS – SOUTH FERRY TERMINAL – SHOALING (Chart 11555)

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

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

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

NC – CAPE HATTERAS – HATTERAS INLET (Chart 11555)

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

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

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

NC – CAPE HATTERAS – HATTERAS INLET – SOUTH FERRY TERMINAL

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

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

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

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

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

NC - MOREHEAD CITY (Chart 11547)

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

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

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

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

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

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

(Yellow indicates new item)

CURRENT PROJECTS

Permits:

SECTOR MARYLAND-NATIONAL CAPITAL REGION

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

SECTOR DELAWARE BAY

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

SECTOR HAMPTON ROADS

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

SECTOR NORTH CAROLINA

- **North Carolina**
Atlantic Intracoastal Waterway – NC 210/50 Bridge, Surf City, NC - proposed new fixed bridge structure to replace (swing) bridge. Permit 2-16-5 signed September 27, 2016.

Regulations:

SECTOR MARYLAND-NATIONAL CAPITAL REGION

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

SECTOR DELAWARE BAY

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

SECTOR HAMPTON ROADS

- **Virginia (Southern)** - None

SECTOR NORTH CAROLINA

- **North Carolina** - None

Construction, et al:

SECTOR MARYLAND-NATIONAL CAPITAL REGION

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

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

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

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

Chester River - S213 (MD 213) Bridge – Bridge will remain in the closed-to-navigation position and the navigational span will be closed to facilitate painting of the bridge. The bridge will remain in the closed position from 8 p.m. September 6, 2016 through 6 a.m. on November 20 30, 2016. The bridge will not be able to open for emergencies. The bridge will open for vessels on signal during the closure period, if at least 24 hours notice is given. Mariners should use extreme caution when transiting the area.

Sinepuxent Bay - US 50 Bridge – Bridge work will begin on Friday, October 28, 2016 through Wednesday, November 30, 2016. To facilitate the work, a 25-foot dive craft will be used. This will be a movable operation not to impede vessel traffic. Inspection vessels will relocate from the moveable span and navigable channel, upon request. The vessel foreman can be reached at (302) 250-6073. 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.

- **Washington DC –**

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

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

Potomac River - 14th Street Bridge - Inspection will be conducted between October 31, 2016, and November 18, 2016; M-F; from 9 a.m. to 3 p.m. To facilitate the work, a bucket boat will be used. Inspection personnel, equipment and vessel will relocate from navigable channel, upon request. The vessel may be reached on VHF-FM channel 13. The project foreman can be reached at (240) 475-4373. Mariners are requested to notify the project foreman at least five minutes prior to navigation through the area and should use caution while transiting the area.

Virginia (Northern) - None

SECTOR DELAWARE BAY

- **Delaware** - None

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

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

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

Great Egg Harbor Bay - Garden State Parkway (southbound) Bridge - Demolition will be performed from November 1, 2016, until February 28, 2018, between 7 a.m. and 4 p.m., Monday through Saturday. A second work shift and 24-hour operations may be scheduled via separate notice and broadcast notice to mariners. The old Garden State Parkway (southbound) Bridge will be demolished and removed from the waterway. Vessels and barges will be operating and working in the area and necessary waterway closures will be scheduled via separate notice and broadcast notice to mariners. A work trestle situated at the southwest end of the Garden State Parkway Bridge erected in 2013 in connection with the construction of the new southbound structures will be used for equipment staging and debris removal. Mariners should use extreme caution when transiting the area.

Great Egg Harbor Bay - Garden State Parkway (Northbound) Bridge - Maintenance will be performed from November 1, 2016, until February 28, 2018, between 7 a.m. and 4 p.m., Monday through Saturday. A second work shift and 24-hour operations may be scheduled via separate notice and broadcast notice to mariners. Bridge work will include superstructure removal and replacement, deck repair and resurfacing, parapet replacement, substructure repairs, and fender replacement. A work platform extending approximately 2 feet below low steel of the bridge will be installed over the middle portion of the bridge, reducing the vertical clearance of the navigation span to approximately 48 feet. Vessels and barges will be

operating and working in the area and necessary waterway closures will be scheduled via separate notice and broadcast notice to mariners. Mariners should use extreme 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.

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

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

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

- **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.

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 (bascule) 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.

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.

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

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

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

Rappahannock River - SR 3 (Robert O. Norris Jr.) bridge - Maintenance will be conducted between October 3, 2016 through November 2017; 24 hours a day; 7 days a week. A containment system will be installed over the entire length of

the bridge extending 4 feet below low steel. The vertical clearance of the bridge will be reduced by 4 feet, to approximately 106 feet above mean high water. A work platform will be attached to the bridge. Maintenance personnel, equipment, two barges and work vessels will be in the vicinity of the bridge. Quick flashing red lights will be positioned no more than 10 feet apart and on all corners, to mark the bottom of the work platform used attached to the bridge. Work vessels may be reached on VHF-FM channel 13. The project foreman can be reached at (804) 577-0049 or (216) 235-3933. Mariners should use caution when transiting the area.

SECTOR NORTH CAROLINA

- **North Carolina**

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

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

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

FUTURE PROJECTS:

Permits/Construction:

- **Maryland**

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

- **Washington, DC**

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

- **Virginia (Northern)** - None

- **Delaware** – None

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

- **Pennsylvania** – None

- **Virginia (Southern)** – None

- **North Carolina**

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

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

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

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

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

Regulations:

- **Maryland** – None

- **Washington, DC** – None

- **Virginia (Northern)** – None

- **Delaware** – None

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

- **Pennsylvania** –

Delaware River – Conrail Railroad Bridge (Delair, NJ) – Remote Operation Test Deviation.

Coast Guard currently evaluating incorporation of AIS into the bridge remote operations system.

- **Virginia (Southern)** - None

- **North Carolina** – None

SUMMARY OF DREDGING/MARINE CONSTRUCTION PROJECTS CURRENTLY IN PROGRESS

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

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

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

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

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

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

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

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

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

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

****NJ – MANASQUAN RIVER- DREDGING**** (Chart 12324)

Mariners are advised that Village Dock Contracting will be conducting dredging operations in Manasquan Inlet, Crabtown creek, Kingsbridge Channel, Wills Hole Thorofare, Wills Hole West Channel, and Lower Manasquan River from 14 Nov 2016 to **31 Jan 2017**. Dredge pipe will be located in multiple areas outside the channel and will be marked and lighted IAW Coast Guard regulations. Ref LNM 44/16

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' 26"W, 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 – GREAT EGG HARBOR BAY – DRAG CHANNEL - BRIDGE CONSTRUCTION & DEMOLITION UPDATE (Chart 12316)

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

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

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

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

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

MD – BALTIMORE HARBOR – DREDGING (Chart 12281)

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

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

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

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

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

MD – CHESAPEAKE BAY – POPLAR ISLAND – DREDGING OPERATIONS (Chart 12266)

Norfolk Dredging Dredge Essex and Dredge Chesapeake will commence dredging operations at Poplar Island, Maryland on or about September 9, and continue through **November 30, 2016**. A submerged pipeline will be placed from the dredging area to the Poplar Island site. For further information contact: Norfolk Dredging Company at 757-547-9391. Ref LNM 37/16

MD – CHESAPEAKE BAY – MAGOTHY RIVER – DREDGING OPERATIONS (Chart 12282)

Edwin A. and John O. Crandell, Inc will be conducting dredging operations in the Magothy River from mid October to November 2016. The channel width will be restricted during this process. Contact the Crandell dredge on VHF-FM channels 13, 16 and 08. The Edwin A. and John O. Crandell, Inc. project manager can be reached at (410) 507-0927, or (410) 507-0928. REF LNM 42/16

MD – CHESAPEAKE BAY – PATAPSCO RIVER – ROCK CREEK – DREDGING OPERATIONS (Chart 12278)

Edwin A. and John O. Crandell, Inc will be conducting dredging operations in Rock Creek from mid October to November 2016. Contact the Crandell dredge on VHF-FM channels 13, 16 and 08. The Edwin A. and John O. Crandell, Inc. project manager can be reached at (410) 507-0927, or (410) 507-0928. Ref LNM 42/16

MD – CHESAPEAKE BAY – ROCKHOLD CREEK – DREDGING OPERATIONS (Chart 12266)

Dredging operations are scheduled to occur in Rockhold Creek and Tracy's Creek at Deale, MD, from mid November to **28 February 2017**. The channel width will be restricted during this process. Mariners are urged to provide 6 hours advance notice for passage, and should contact vessel "BIG C TOO" via marine band radio VHF-FM channels 13, 16 and 08. Project manager can be reached at (410) 507-0927, or (410) 507-0928. Ref LNM 42/16

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

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

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

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

******VA - BACK RIVER – HAMPTON - LANGLEY AIR FORCE BASE FUEL PIER – DREDGING****** (Chart 12222)

W3 Marine and the dredge MOBRO 112 will be conducting dredging operations at the Langley Fuel Pier in Back River starting on November 15, 2016 and continuing until **February 15, 2017**. The dredge can be contacted on the VHF-FM channels 13 and 16. Ref LNM 44/16

VA – YORK RIVER – CHEATHAM ANNEX – DIVING AND CRANE OPERATIONS (Chart 12241)

Precon Marine Inc. will be performing Diving and Crane operations from work boats, work platforms and a 60' by 120' barge at the "CAD A" pier located at the US Navy Base, Cheatham Annex from 31 October 2016 until **1 November 2017**. The onsite barge superintendent will monitor and answer VHF-FM channels 13 and 16, and can be reached at 757-754-0767. Ref LNM 43/16

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

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

VA – JAMES RIVER JORDAN POINT TO RICHMOND – DREDGING (Chart 12252)

Cottrell Contracting Corporation of Chesapeake, VA Dredge Rockbridge will be conducting dredging operations at the Richmond Deepwater Terminal on the James River. Work will begin approximately 650 Feet South of James River Light 166 (LLNR 12790) and continue to 3500 Feet North of James River Light 166 (LLNR 12790) from 21 October until 1 December 2016. Ref LNM 43/16

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

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

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

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

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

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

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

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

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

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

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

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

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

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

NC – GALLANTS CHANNEL – BRIDGE CONSTRUCTION (Chart 11545)

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

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

25 Jul to **30 Nov 2016**. Dredge DB PAULA LEE and vessels Trojan and Colonel will also be on scene, all vessels will monitor Channels 12, 14, and 82. For further information contact Anthony Germain 415-717-7214, Brad Shoffit (415)-519-4262.

NC – CAPE FEAR RIVER – DREDGING (Chart 11537)

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

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

Cottrell Contracting Corporation Dredge Lexington will be conducting dredging operations on the Intracoastal Waterway, north of Cape Fear River, Wilmington, Brunswick County, NC in the area off Cape Fear Lighted Buoy 25 (LLNR 30530) and Cape Fear Lighted Buoy 25A (LLNR 30531) from 25 September until **11 November 2016**. Ref LNM 42/16

******NC – CAPE FEAR RIVER – MOTSU - DREDGING****** (Chart 11539, 11537)

The Bucket dredge VIRGINIAN will commence dredging operations at the Military Ocean Terminal Sunny Point (MOTSU) on the Cape Fear River adjacent to Lower Midnight Channel on or about November 3, 2016. The project is expected to continue until approximately **May 15, 2017**. Ref LNM 44/16

******NC – CAPE FEAR RIVER – HORSESHOE REACH - DREDGING****** (Chart 11539, 11537)

The Bucket dredge ATLANTIC will commence dredging operations inside Horseshoe Reach on the Cape Fear River adjacent to Cape Fear River Channel Lighted Buoy 27 (LLNR 30550) on or about November 2, 2016. The project is expected to continue until approximately **May 15, 2017** with the dredge eventually performing work inside Mid-River Shoals, Upper Big Island and Lower Lilliput Channels. Ref LNM 44/16

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

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 – SEVERN RIVER – SPA CREEK - REGULATED AREA

The annual "The Maritime Republic of Eastport Tug of War charity event" is scheduled to occur across Spa Creek on **November 5, 2016**, from 11 a.m. until 2 p.m. The annual event includes a 1,500-foot rope stretched across Spa Creek, between the Annapolis City Dock and Second Street in Eastport. As described in the Table to 33 CFR Sec. 100.501, special local regulations establish a Regulated Area for all waters of Spa Creek, from shoreline to shoreline. The waters of Spa Creek from shoreline to shoreline, extending 400 feet from either side of a rope spanning Spa Creek from a position at latitude 38°58'36" N., longitude 076°29'04.7" W. at Annapolis City Dock, thence to a position at latitude 38°58'25" N., longitude 076°28'52.4" W., at Eastport, MD shoreline, near the foot of 2nd Street. The regulated area will be enforced from 11 a.m. through 2 p.m. on November 5, 2016. The Coast Guard Patrol Commander or designated marine event patrol may forbid and control the movement of all vessels in the Regulated Area. The marine event patrol and PATCOM may be contacted on VHF-FM Channel 16. Only designated marine event participants and their vessels and official patrol vessels are authorized to enter the regulated area. When hailed or signaled by an official patrol vessel, a vessel in the area shall immediately comply with the directions given. Failure to do so may result in expulsion from the area, citation for failure to comply, or both. Mariners are urged to schedule their transits on this waterway beyond the enforcement times. For any comments or questions contact Coast Guard Sector Maryland-National Capital Region at (410) 576-2674 or (410) 576-2693. Charts 12282, 12283

MD – CHESAPEAKE BAY – SEVERN RIVER – SPA CREEK – REGULATED AREA

The "2016 Eastport Yacht Club Lights Parade" is scheduled to occur in Annapolis Harbor and Spa Creek on **December 10, 2016**, from 5 p.m. to 8:30 p.m. The event consists of two separate, designated boat parade routes. As described in Title 33 CFR Section 100.501, Coast Guard special local regulations establish a temporary Regulated Area for all waters of Spa Creek and the Severn River, shoreline to shoreline, bounded on the east by a line drawn from Triton Light, at latitude 38°58'53.1" N., longitude 076°28'34.3" W., thence southwest to Horn Point, at 38°58'20.9" N., longitude 076°28'27.1" W., and bounded on the west by a line drawn along 076°30'00" W., that crosses the western end of Spa Creek, at Annapolis, MD. The Regulated Area will be enforced from 4:30 p.m. to 9:30 p.m. on December 10, 2016. The Coast Guard Patrol Commander or designated marine event patrol may forbid and control the movement of all vessels in the regulated area. The marine event patrol and Patrol Commander may be contacted on marine band radio channel VHF-FM 16. When hailed or signaled by an official patrol vessel, a vessel in the area shall immediately comply with the directions given. Failure to do so may result in expulsion from the area, citation for failure to comply, or both. Mariners are urged to schedule their transits on this portion of the waterway beyond the enforcement times. For any comments or questions contact Coast Guard Sector Maryland-National Capital Region, at (410) 576-2674 or (410) 576-2693. Charts 12282, 12283

****MD – VA – POTOMAC RIVER - MATTAWOMAN CREEK TO GEORGETOWN - NATIONAL HARBOR ACCESS CHANNEL – FIREWORKS DISPLAY ****

A short-duration, aerial fireworks display is scheduled to occur along the Potomac River on **November 13, 2016** at approximately 6:30 p.m. The fireworks will be launched from the end of the National Harbor commercial pier at National Harbor, MD, in approximate position latitude 38° 47' 15" N, longitude 077° 01' 05" W. Mariners are urged to use caution when transiting the area, and heed the directions of patrolling law enforcement and public safety officials. Absent specific guidance, mariners should remain 500 feet from the fireworks discharge site. For any comments or questions contact Coast Guard Sector Maryland-National Capital Region, at (410) 576-2674 or (410) 576-2693. Chart 12289

VA - CHESAPEAKE BAY - PIANKATANK RIVER - DELTAVILLE

Mariners are advised that the Fishing Bay Yacht Club's Offshore Closing Day & Oyster Roast, will occur on the Chesapeake Bay at the mouth of the Piankatank River. This event will take place on **November 29, 2016** beginning at 9 a.m. and ending at 5 p.m. Mariners are requested to use caution when transiting the area. Chart 12235

VA - CHESAPEAKE BAY - HAMPTON ROADS

Mariners are advised that the Hampton Yacht Club will be hosting the Frostbite Series that will be held every Sunday from 12 p.m. to 4 p.m beginning on October 30, 2016 and ending on **November 27, 2016**. The Frostbite Series will occur in Hampton Roads and Hampton Flats in Hampton Roads, VA. Mariners are requested to use caution when transiting the area.

NC – CAROLINA YACHT CLUB SAILBOAT RACES

The "Carolina Yacht Club Sailboat" races will be conducted throughout the year from May 14, 2016 through **December 10, 2016** at various times. These sailing races will include approximately 10 - 100 participants, and sailing boats ranging from 13 - 37' feet in length. The races will be held on the Atlantic Ocean, Banks Channel, Motts Channel and Greenville Sound in Wrightsville Beach, NC. Specific sailboat races times or schedule can be provided by calling the Carolina Yacht Club at (910) 256-3396. No restrictions will be placed on the use of any navigable waters by other parties.
Chart 11541

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

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

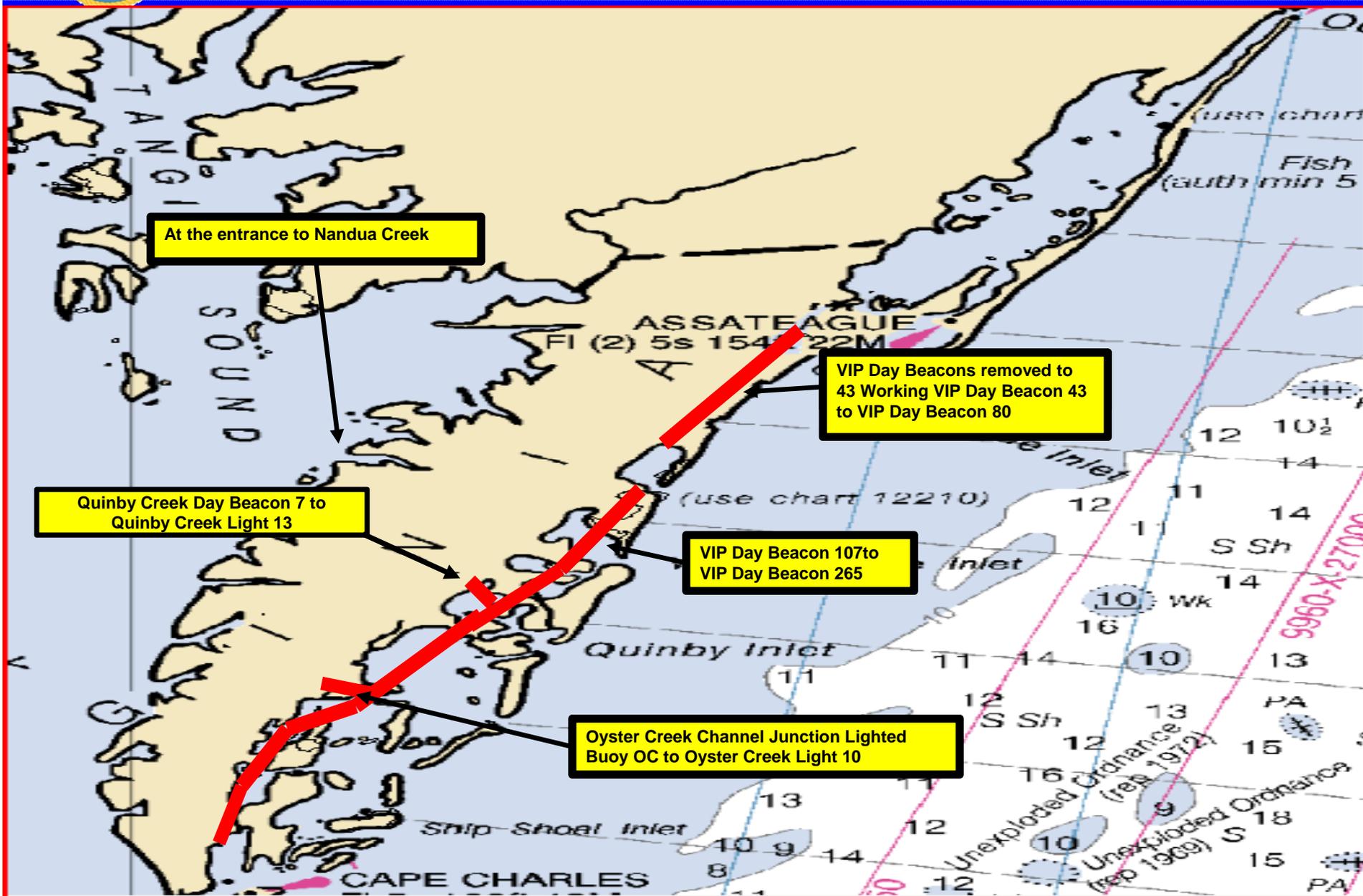


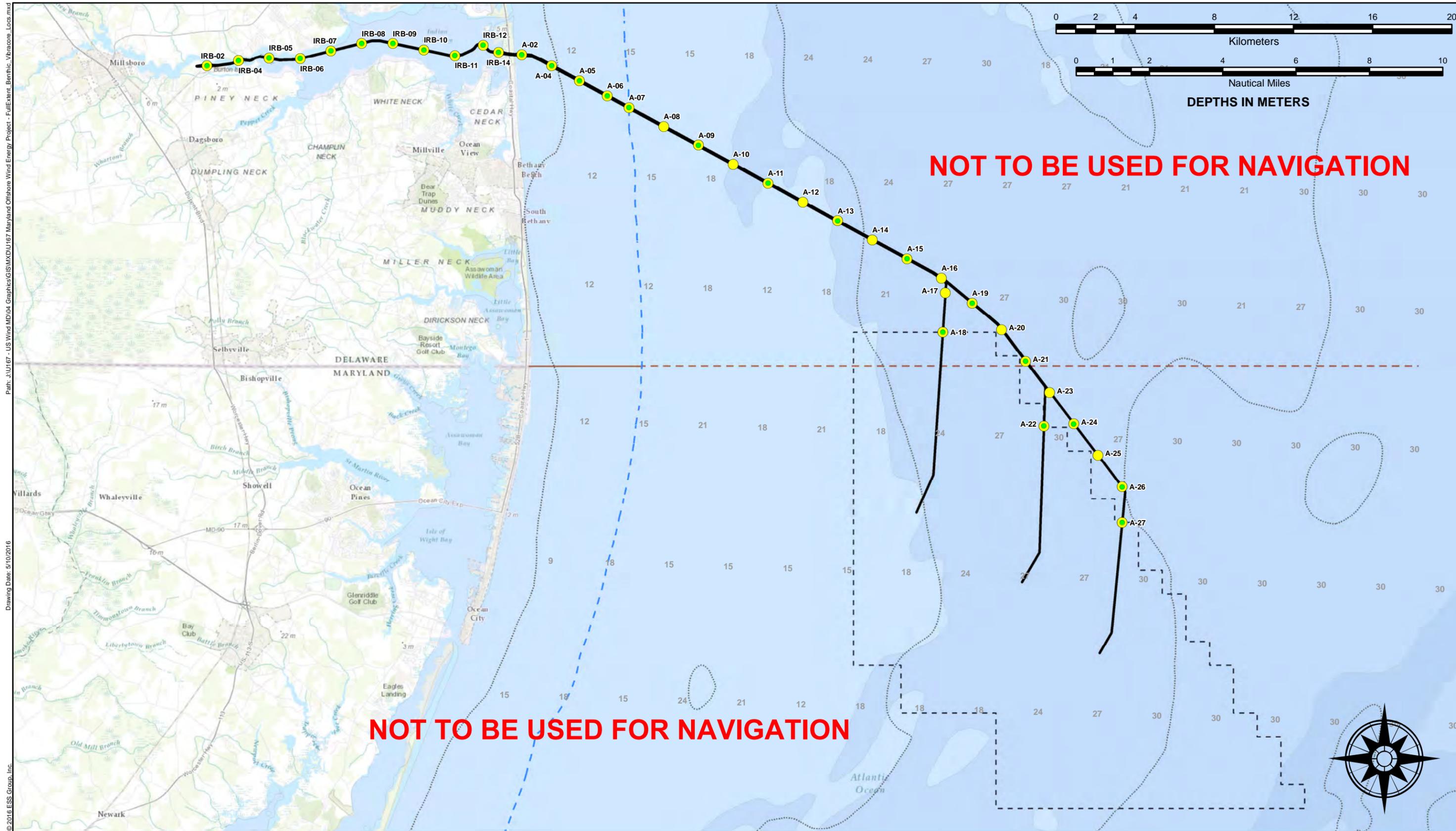
Mariners are encouraged to obtain the most recent U.S. Army Corps of Engineers Wilmington District hydrographic survey information, centerline waypoints & controlling depths at:

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



WWM VIP SHOALING





Path: J:\U167 - US Wind MD\04_Graphics\GIS\MXD\U167 Maryland Offshore Wind Energy Project - FullExtent_Benthic_Vibracore_Locs.mxd
 Drawing Date: 9/10/2016
 © 2016 ESS Group, Inc.



Maryland Offshore Wind Energy Project

Offshore Maryland

1 centimeter = 1,800 meters

Source: 1) ESS, Export Cable Route, 2016
 2) BOEM, Wind Planning Areas, 2013
 2) NOAA, Raster Nautical Charts, 2016 3) VACAPESOpArea, Georeferenced - BOEM EA, 2016

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

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

Legend

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

Vibracore/Benthic Sampling Locations

Figure 1

US NAVY BATHYMETRIC AND GEOPHYSICAL SURVEYS ON THE POTOMAC RIVER

Dahlgren Survey Area Overview

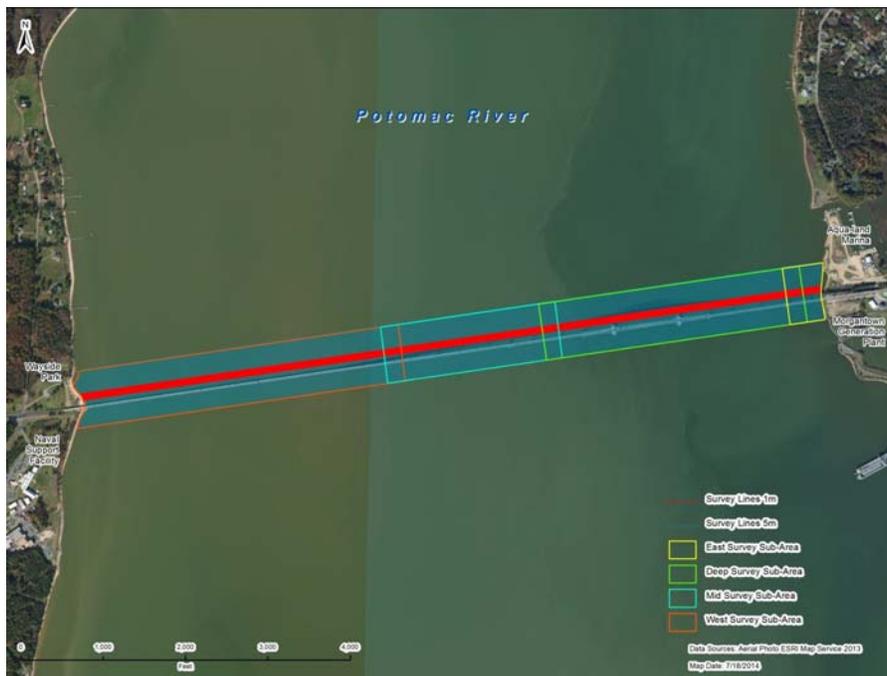
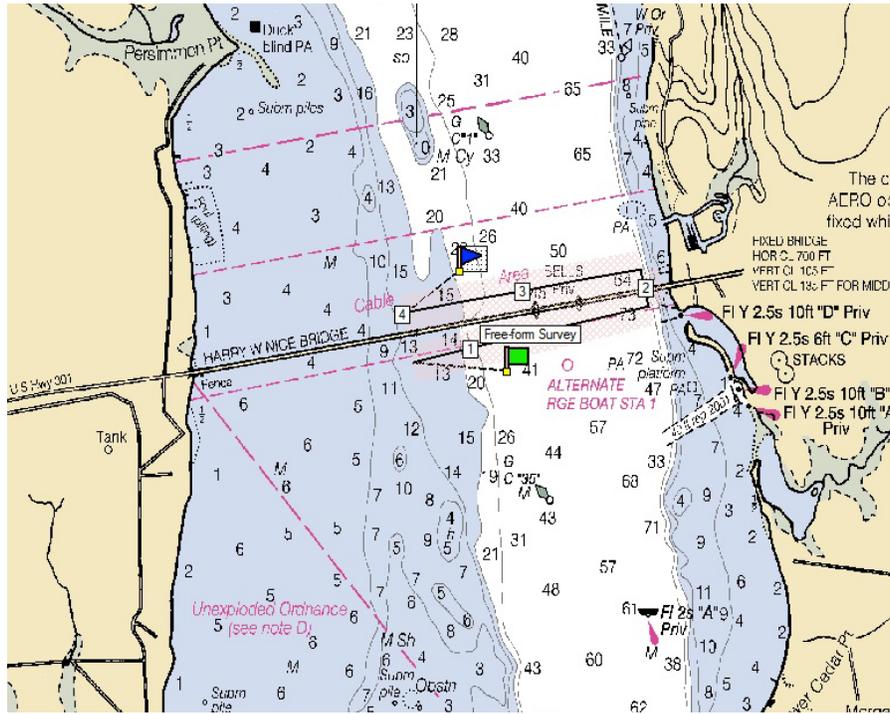


Figure 1. Aerial View of Planned Area

US NAVY BATHYMETRIC AND GEOPHYSICAL SURVEYS ON THE POTOMAC RIVER

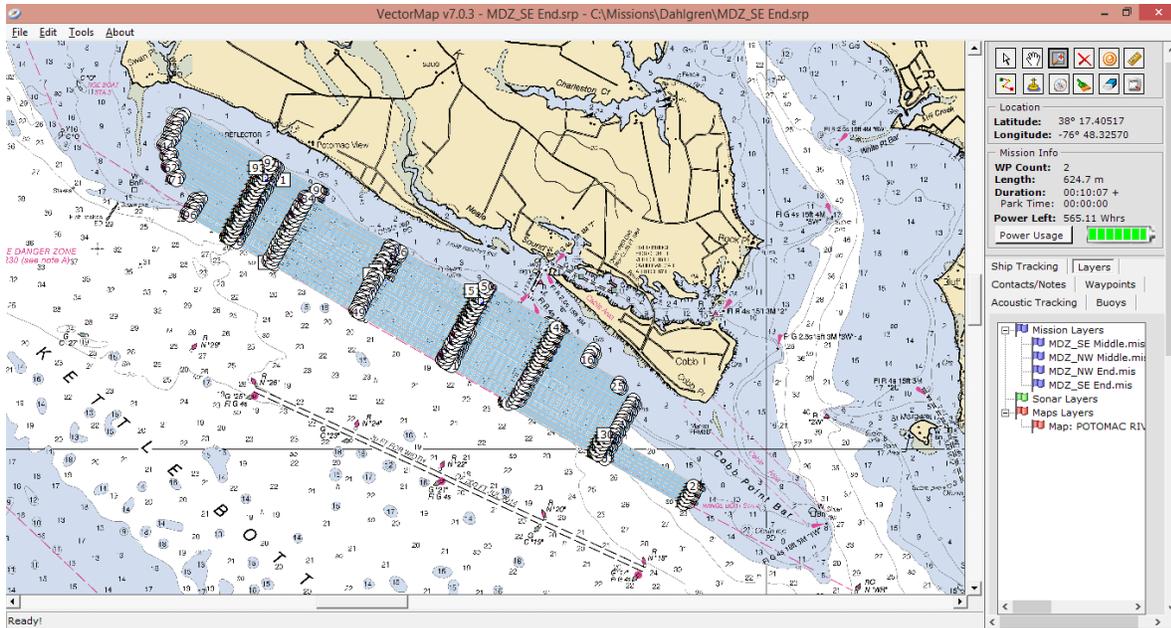


Figure 2: Swann Point to Cobb Island mission plan



Figure 3: Swann Point to Cobb Island Google Maps

US NAVY BATHYMETRIC AND GEOPHYSICAL SURVEYS ON THE POTOMAC RIVER

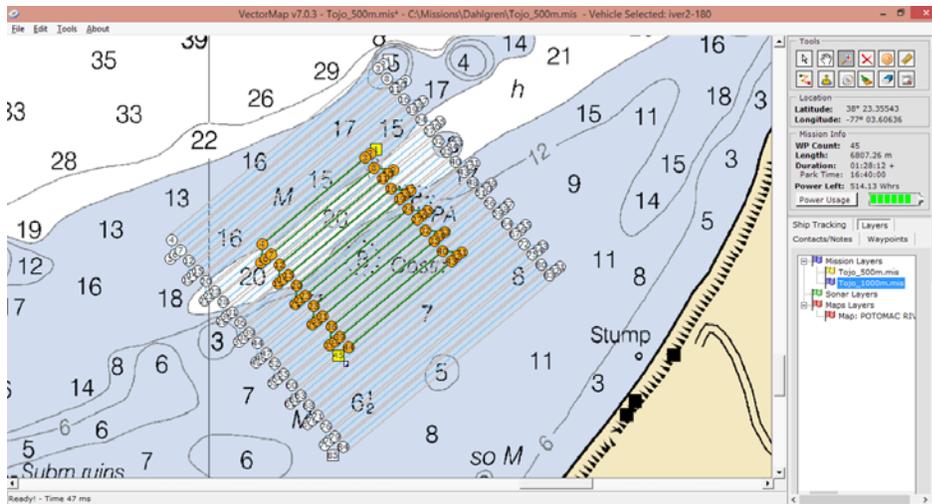


Figure 4: Tojo Bombing Area



Figure 5: Tojo Bombing Area Google Maps