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

LOCAL NOTICE TO MARINERS

District: 5 Week: 24/16

LOCAL NOTICE TO MARINERS
Coastal Waters from Shrewsbury River, New Jersey to Little River, South Carolina
The Local Notice to Mariners contains all information relevant to the waterways within the Fifth Coast Guard District and is updated each Tuesday on the U.S. Coast Guard Navigation Center website at http://www.navcen.uscg.gov/?pageName=lnmDistrict&region=5 . If you have questions about the LNM, please contact:

COMMANDER, FIFTH COAST GUARD DISTRICT (dpw)
431 Crawford Street, Portsmouth, Virginia 23704
Telephone (Day) : (757) 398-6229 or (757) 398-6552 or CGD5Waterways@uscg.mil

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 CAPTIAL REGION at (410) 576-2525.
3. For VA in Lower Chesapeake Bay below Smith Point Light and tributaries and VA, MD Eastern Shore Bay and coastal contact COGARD SECTOR HAMPTON ROADS at (757) 483-8567.
4. For NC waters, coastal and tributaries contact COGARD SECTOR NORTH CAROLINA at (910) 343-3882.

REFERENCES
Light List: ATLANTIC COAST, VOLUME II, COMDTPUB P16502.2, 2016 Edition.
U.S. Coast Pilot 3, Atlantic Coast: Sandy Hook, NJ to Cape Henry, VA, 2016 (49th) Edition.
U.S. Coast Pilot 4, Atlantic Coast: Cape Henry, VA to Key West, FL, 2015 (47th) Edition.
All bearings are in degrees TRUE - All times are in Local Time unless otherwise noted.

NAVIGATIONAL INTERNET SITES
Fifth Coast Guard District Prevention Division BLOGSPOT
http://midatlantic.coastguard.dodlive.mil/

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

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

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

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

NOAA Chart Corrections applicable to any particular NOAA chart:
http://ocsdata.ncd.noaa.gov/nm/resultList.asp?Chart= (apply specific chart number i.e. Chart 11548)

D5 LNM on Internet/Archived Back Issues for 2014/2015
http://www.navcen.uscg.gov/?pageName=lnmDistrict&region=5

Chesapeake Bay Weather Buoys
http://www.cbos.org
Tides on Line
http://www.tidesonline.nos.noaa.gov/
Tides, Currents, PORTS
http://www.tidesandcurrents.noaa.gov/
Coast Guard District 5

Weather
http://www.weather.gov//

ABBREVIATIONS

A through H

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

I through O

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

P through Z

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

Additional Abbreviations Specific to this LNM Edition: None

SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

DE- INDIAN RIVER BAY – SHOALING - HAZARD TO NAVIGATION

Hazard to navigation - 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). Mariners are urged to use caution when transiting the area and maintain a low speed while checking depth prior to passage in this area. Depths of 0.0 ft at times, during low tide, were reported.

Chart 12216 LNM: 21/16

PA/MD/DC/VA – US ARMY CORPS OF ENGINEERS' LEGAL AUTHORITIES TO SUPPORT PROTECTION OF MILITARY ASSETS

The US Army Corps of Engineers, Baltimore District, pursuant to the authority granted in 33 C.F.R. §334.3 (c) and 33 U.S.C. §1 has established temporary restricted areas adjacent to all military assets located in or adjacent to navigable waters of the United States in the State of Maryland, central Pennsylvania, the District of Columbia, and Virginia when those assets have been ordered to implement the procedures

associated with certain Force Protection Conditions. You may view the Public Notice at this link:
http://www.nab.usace.army.mil/Missions/Regulatory/PublicNotices/PublicNoticeView/tabid/16587/Article/747048/spn16-27-usace-action-during-force-protection-charlie-or-delta.aspx.

LNM: 19/16

NC - HAZARDS OF NORTH CAROLINA COASTAL INLETS

This notice is to notify mariners about accessing hazardous inlets, to heighten public awareness about the hazards that exist in and around the inlets, and to provide the mariner with available information. Mariners are advised that shoaling conditions exist at following North Carolina coastal inlets:
Oregon Inlet Hatteras Inlet
Ocracoke Inlet Barden Inlet
Beaufort Inlet Bogue Inlet
New River Inlet Topsail Inlet
Masonboro Inlet Carolina Beach Inlet
Lockwoods Folly Inlet Shallotte Inlet
Shoaling conditions increase the potential for groundings. These inlets are subject to continual and sometimes rapid environmental changes. Mariners are highly encouraged to obtain the most recent U.S. Army Corps of Engineers Wilmington, North Carolina District hydrographic survey information, centerline waypoints and controlling depth at:
http://www.saw.usace.army.mil/Missions/Navigation/HydrographicSurveys.aspx
Mariners should use caution when navigating in these areas and passage through the inlets is not recommended without local knowledge of the area. The aids to navigation in these inlets may not be charted and may not be marking best water due to continually shifting shoals. Consult Local Notice to Mariners, 5th Coast Guard District for the latest positions and status of aids to navigation:
http://www.navcen.uscg.gov/?pageName=lnmDistrict&region=5
To report any aids to navigation discrepancies (missing, damaged, off station, extinguished lights), shoaling, hazards to navigation, or discrepancies on bridge lighting, please contact Sector North Carolina Command Center (910) 343-2200.

LNM: 17/16

CAUTION TO BE USED IN RELIANCE UPON AIDS TO NAVIGATION

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

LNM: 13/16

ECDIS DATA PRESENTATION AND PERFORMANCE CHECK

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

LNM: 09/12

IMPORTANT SAFETY NOTICE ABOUT THE RELIABLE OPERATION OF ECDIS

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

under the heading News and Notices.

LNM: 12/12

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

No person, shall take possession of or make use of for any purpose, or build upon, alter, deface, destroy, move, injure, obstruct by fastening vessels thereto or otherwise, or in any manner whatever impair the usefulness of any aid to navigation established and maintained by the United States. Recently several offshore NOAA data buoys parted their moorings and became adrift due to excessive strain on the mooring. These navigational data buoys collect valuable on scene weather data for all mariners. These buoys are anchored to the seabed, and some have a watch circle radius of over 1 nautical mile. Once the mooring is parted and the buoy is adrift only certain Coast Guard resources can reset the aid back on its intended station. Coordinating of resources to retrieve the buoy, and place it back on station is time consuming and sometimes take weeks, thus valuable weather information cannot be obtained and relayed to mariners in need of it. Mariners are advised not to interfere with these aids to navigation and report any sightings of vessels tied off to them to the U.S. Coast Guard. Interference with or intentional damage to Aids to Navigation is a misdemeanor and shall be subject to a fine not exceeding the sum of $500 for each offense (33 CFR 70.0l).

LNM: 13/16

NOAA PRODUCTION OF LITHOGRAPHIC

The Federal Aviation Administration (FAA), NOAA's authorized lithographic printer, announced that the traditional printing of NOAA paper nautical charts will be discontinued effective April 13, 2014. In the interim time period, NOAA lithographic charts will still be available from FAA and chart agents. NOAA Print-on Demand charts (POD) will continue to be available through two authorized vendors. NOAA charts are also available as NOAA Raster Navigational Charts (RNC), Electronic Navigational Charts (ENC), and as a portable document format (PDF). For more information, please visit NOAA's Office of Coast Survey's homepage at http://www.nauticalcharts.noaa.gov/.
The POD charts produced by NOAA's POD partners are, and will continue to be considered published by NOAA, and will meet all mandatory carriage requirements as specified by navigation safety regulations: 33 CFR 164.01 and 33CFR 164.33.

LNM: 13/16

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

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

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.

NAUTICAL CHART UPDATES

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

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

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

BROADCAST NOTICES TO MARINERS

This section contains corrections to federal and private Aids to Navigation, as well as NOS Corrections. Navigation information having been of immediate concern to the Mariner and promulgated by the following Broadcast Notices to Mariners (BMNs) have been incorporated in this notice when still significant at the date of this publication.
CCGD5 (D5) - 267, 270, 273 THRU 278, 280, 283, 286, 291, 292, 294, 295, 296-16.
Sector Delaware Bay (DB) - 217, 218, 219, 222, 223, 227, 228, 229, 230, 232-16.
Sector Maryland National Capital Region (BA) - 222, 221, 218, 217, 214, 213, 212, 207, 204-16.
Sector Hampton Roads (HR) - 178-16, 175-16, 174-16, 173-16, 171-16, 170-16, 168 -16, 167-16, 166-16, 165-16, 163-16, 158-16, 157-16, 156-16, 152-16, 138-16, 136-16, 135-16, 120-16, 115-16.
Sector North Carolina (NC) - 105, 185, 204, 206, 263, 272, 281, 283, 284, 293, 296, 298, 300, 301, 302, 304, 305 AND 306-16.

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
35	Little Egg Inlet Outer Lighted Whistle Buoy LE	LT EXT	12316	196DB	20/16	
120	Five Fathom Bank Lighted Buoy F	LT EXT/RAC INOP	12214	207DB	21/16	
350	Cape Charles Light	LT EXT	12222	384HR	18/13	
585	Navy Air Combat Maneuvering Range Tower Light G	LT EXT	12200	407NC	27/12	
640	Diamond Shoals Lighted Buoy 12	LT EXT	11555	263NC	22/16	
1100	Little Egg Inlet Outer Lighted Whistle Buoy LE	LT EXT	12316	196DB	20/16	
1120	Little Egg Inlet Lighted Buoy 5	OFF STA	12316	222DB	23/16	
2050	Harbor Of Refuge North End Light 1	STRUCT DMGD	12216	024DB	04/16	
2055	Delaware Bay East Icebreaker Light 2	LT EXT	12216	186DB	20/16	
2055	Delaware Bay East Icebreaker Light 2	STRUCT DEST	12216	060DB	04/16	
2330	Murderkill River Buoy 4	OFF STA	12304	166DB	19/16	
2510	Baker Range Rear Light	LT EXT	12311	164DB	08/14	

2520	Baker Range Lighted Buoy 4B	LT EXT	12311	177DB	19/16
3290	Tinicum Range Rear Light	LT EXT	12313	168DB	19/16
3800	Mud Island Upper Range Rear Light	REDUCED INT	12314	167DB	19/16
3820	Enterprise Lower Range Front Light	REDUCED INT	12314	141DB	15/16
3845	Enterprise Upper Range Rear Light	REDUCED INT	12314	140DB	15/16
3935	Devlin Lower Range Front Light	REDUCED INT	12314	195DB	20/16
4040	Upper Delaware River Channel Lighted Buoy 54	MISSING	12314	194DB	20/16
4150	Kinkora Upper Range Rear Light	LT EXT	12314	616DB	47/15
4430	**Indian River Junction Lighted Buoy IR**	**LT EXT**	**12216**	**223DB**	**24/16**
4785	Isle of Wight Bay Warning Buoy C	OFF STA	12211	121BA	08/15
4870	Isle of Wight Bay Light 13	TRLB/STRUCT DEST	12211	121BA	09/15
4871	Isle Of Wight Bay Light 14	STRUCT DEST/TRLB	12211	081BA	09/15
5010	Sinepuxent Bay Channel Light 4	STRUCT DEST/TRLB	12211	491BA	08/15
5037	Sinepuxent Bay Channel Buoy 10A	MISSING	12211	121BA	08/15
5045	Sinepuxent Bay Channel Daybeacon 11A	TRLB/STRUCT DEST	12211	408BA	31/15
5070	Sinepuxent Bay Channel Wreck Light WR16	MISSING/TRLB	12211	345BA	26/15
5075	Sinepuxent Bay Channel Daybeacon 17	TRLB/STRUCT DEST	12211	006BA	02/15
5105	Sinepuxent Bay Channel Buoy 27	MISSING	12211	179BA	13/15
5110	Sinepuxent Bay Channel Buoy 27A	OFF STA	12211	181BA	17/16
5120	Sinepuxent Bay Channel Buoy 29	MISSING	12211	182BA	13/15
5130	Sinepuxent Bay Channel Buoy 33	MISSING	12211	493BA	45/15
5135	Sinepuxent Bay Channel Daybeacon 35	TRUB/STRUCT DEST	12211	184BA	13/15
5145	Sinepuxent Bay Channel Light 39	TRLB/STRUCT DEST	12211	186BA	13/15
5200	Chincoteague Bay Light 28	TRUB/STRUCT DEST	12211	188BA	13/15
5205	Chincoteague Bay Daybeacon 26	TRUB/STRUCT DEST	12211	189BA	13/15
5215	Chincoteague Bay Daybeacon 23	TRUB/STRUCT DEST	12211	190BA	13/15
5220	Chincoteague Bay Light 21	TRLB/STRUCT DEST	12211	191BA	13/15
5235	Chincoteague Bay Daybeacon 19	TRLB/STRUCT DEST	12211	192BA	13/15
5420	Chincoteague Bay Channel Daybeacon 4	STRUCT DEST/TRLB	12211	098HR	10/15
5425	Chincoteague Bay Channel Daybeacon 6	STRUCT DEST/TRUB	12211	044HR	10/15
5430	Chincoteague Bay Channel Light 8	STRUCT DEST/TRLB	12211	045HR	10/15
5435	Chincoteague Bay Channel Light 9	STRUCT DEST/TRUB	12211	084HR	10/15
5445	Chincoteague Bay Channel Light 12	TRLB/STRUCT DMGD	12211	221HR	11/15
5450	Chincoteague Bay Channel Daybeacon 14	TRUB/STRUCT DEST	12211	222HR	11/15
5455	Greenbackville Light 1	STRUCT DEST/TRLB	12211	522HR	41/15
5477	Chincoteague Bay Daybeacon 16A	TRUB/STRUCT DEST	12211	223HR	11/15
5485	Chincoteague Bay Daybeacon 19	TRLB/STRUCT DEST	12211	192BA	13/15
5487	Chincoteague Bay Daybeacon 20	MISSING/TRLB	12211	258HR	16/15
5490	Chincoteague Bay Light 21	TRLB/STRUCT DEST	12211	191BA	13/15
5495	Chincoteague Bay Daybeacon 23	TRUB/STRUCT DEST	12211	190BA	13/15
5505	Chincoteague Bay Daybeacon 26	TRUB/STRUCT DEST	12211	189BA	13/15
5510	Chincoteague Bay Light 28	TRUB/STRUCT DEST	12211	188BA	13/15
5610	Virginia Inside Passage Lighted Buoy 7	MISSING	12210	073HR	08/14
5625	Virginia Inside Passage Daybeacon 13	BUOY DMGD/TRUB	12210	014HR	02/16
5755	Virginia Inside Passage Daybeacon 49	STRUCT DEST	12210	306HR	20/15
5767	Virginia Inside Passage Daybeacon 52	DAYMK MISSING	12210	242HR	26/14
5772	Virginia Inside Passage Buoy 55	MISSING	12210	111HR	12/13
5773	Virginia Inside Passage Buoy 55A	MISSING	12210	386HR	41/12
5776	Virginia Inside Passage Buoy 57	MISSING	12210	241HR	26/14
5777	Virginia Inside Passage Buoy 59	MISSING	12210	387HR	41/12
5820	Virginia Inside Passage Warning Daybeacon B	DAYMK MISSING	12210	470HR	50/12
5850	Virginia Inside Passage Light 80	LT EXT/DAYMK MISSING	12210	284HR	18/15

5870	Virginia Inside Passage Daybeacon 82	STRUCT DEST	12210	285HR	18/15
5875	Virginia Inside Passage Daybeacon 84	DAYMK MISSING	12210	286HR	18/15
5885	Virginia Inside Passage Light 87	STRUCT DEST	12210	264HR	17/15
5930	Virginia Inside Passage Daybeacon 102	DAYMK MISSING	12210	265HR	17/15
5935	Virginia Inside Passage Daybeacon 103	STRUCT DEST/DAYMK MISSING	12210	266HR	17/15
5940	Virginia Inside Passage Daybeacon 105	STRUCT DEST	12210	267HR	17/15
5945	Virginia Inside Passage Daybeacon 106	STRUCT DEST	12210	261HR	17/15
5955	Virginia Inside Passage Buoy 110	MISSING	12210	425HR	45/12
6115	Virginia Inside Passage Daybeacon 153	DAYMK MISSING	12210	056HR	07/15
6137	Virginia Inside Passage Daybeacon 157B	DAYMK MISSING	12210	057HR	07/15
6139	Virginia Inside Passage Buoy 158A	OFF STA	12210	354HR	35/13
6145	Virginia Inside Passage Light 160	DAYMK MISSING	12210	058HR	07/15
6160	Virginia Inside Passage Daybeacon 163	STRUCT DEST	12210	226HR	14/15
6170	Virginia Inside Passage Daybeacon 165	DAYMK MISSING	12210	059HR	07/15
6180	Virginia Inside Passage Light 169	STRUCT DMGD	12210	060HR	07/15
6210	Virginia Inside Passage Light 180	STRUCT DMGD	12210	384HR	36/11
6245	Virginia Inside Passage Light 191	DAYMK DMGD	12224	014HR	02/16
6260	Virginia Inside Passage Buoy 194	MISSING	12210	215HR	23/13
6275	Virginia Inside Passage Buoy 198	MISSING	12224	014HR	02/16
6280	Virginia Inside Passage Daybeacon 199	DAYMK MISSING	12224	014HR	02/16
6285	Virginia Inside Passage Daybeacon 199A	STRUCT DEST	12224	014HR	02/16
6320	Virginia Inside Passage Daybeacon 206	DAYMK MISSING	12221	014HR	02/16
6343	Virginia Inside Passage Daybeacon 211	STRUCT DEST	12224	014HR	02/16
6348	Virginia Inside Passage Daybeacon 213	MISSING	12224	014HR	02/16
6355	Virginia Inside Passage Light 215	LT EXT/DAYMK MISSING	12224	014HR	32/13
6375	Virginia Inside Passage Daybeacon 218	DAYMK MISSING	12224	014HR	02/16
6385	Virginia Inside Passage Daybeacon 219	STRUCT DEST	12224	014HR	02/16
6390	Virginia Inside Passage Daybeacon 221	DAYMK MISSING	12224	014HR	02/16
6415	Virginia Inside Passage Daybeacon 225	DAYMK MISSING	12224	014HR	02/16
6440	Virginia Inside Passage Light 232	DAYMK MISSING	12224	014HR	02/16
6485	Virginia Inside Passage Daybeacon 244	TRLB/STRUCT DEST	12224	339HR	44/12
6495	Virginia Inside Passage Daybeacon 245A	MISSING/TRUB	12224	420HR	22/15
6570	Virginia Inside Passage Buoy 263	MISSING	12224	338HR	22/15
6590	Virginia Inside Passage Light 267	DAYMK MISSING	12222	161HR	22/16
6675	Wachapreague Channel Light 9	STRUCT DEST/TRLB	12210	050HR	08/15
6736	Quinby Inlet Channel Buoy 2	MISSING	12210	350HR	35/13
6736.1	Quinby Inlet Channel Buoy 2A	MISSING	12210	351HR	35/13
6740	Quinby Inlet Channel Lighted Buoy 4	MISSING	12210	352HR	35/13
6745	Virginia Inside Passage Light 160	DAYMK MISSING	12210	058HR	07/15
6766	Quinby Creek Buoy 5	MISSING	12210	218HR	23/13
6776	Quinby Creek Lighted Buoy 9	MISSING	12210	129HR	18/12
6780	Quinby Creek Light 11	MISSING/STRUCT DEST	12210	353HR	35/13
6820	Great Machipongo Inlet Light 5	LT EXT	12224	559HR	49/15
6850	Great Machipongo Inlet Daybeacon 12	DAYMK MISSING	12210	019HR	02/16
6855	Great Machipongo Inlet Daybeacon 13	TRLB/STRUCT DEST	12210	467HR	34/15
6920	Great Machipongo Channel Light 8	STRUCT DEST/TRLB	12210	159HR	22/16
6945	Great Machipongo Channel Daybeacon 15	DAYMK MISSING	12210	018HR	02/16
6991	Sand Shoal Channel Daybeacon 3	STRUCT DEST/TRUB	12224	421HR	29/15
6992	Sand Shoal Channel Light 4	LT EXT/STRUCT DMGD	12224	016HR	02/16
6993	Sand Shoal Channel Daybeacon 5	STRUCT DEST/TRUB	12224	422HR	29/15
6994	Sand Shoal Channel Light 7	REDUCED INT	12210	140HR	21/16
7440	Chesapeake Channel Lighted Buoy 62	RAC INOP	12225	423HR	29/15
8855	Taylor Island Shoal Buoy 1	MISSING/TRUB	12274	190BA	19/16
10142	Lynnhaven Inlet Light 5	DAYMK MISSING	12254	124HR	19/16

11160	Nansemond River Channel Daybeacon 38	DAYMK MISSING	12248	144HR	21/16
11415	Pagan River Channel Light 13	DAYMK MISSING	12248	139HR	20/16
11525	Warwick River Daybeacon 2	STRUCT DEST/TRUB	12248	122HR	19/16
11995	Jamestown Island Daybeacon 2	STRUCT DEST	12248	208HR	13/15
12640	James River Channel Light 133	LT EXT	12252	143HR	21/16
14445	Horn Harbor Entrance Light HH	DAYMK MISSING	12238	147HR	21/16
15395	Morattico Creek Daybeacon 2	STRUCT DMGD	12237	177HR	11/15
15615	Hoskins Creek Channel Daybeacon 2	STRUCT DEST/TRUB	12237	091HR	15/16
16350	Little Wicomico River Approach Light 2LW	DAYMK MISSING	12233	097HR	15/16
17260	Wicomico River Warning Daybeacon	DAYMK MISSING	12286	323BA	24/15
19680	**Fishing Creek Light 5**	**DAYMK DMGD**	**12270**	**217BA**	**24/16**
19935	Weems Creek Junction Daybeacon WC	STRUCT DEST/TRLB	12283	160BA	15/16
21435	Old Plantation Flats Warning Light A	DAYMK MISSING	12224	102HR	16/16
21440	Cape Charles City Range A Front Light	REDUCED INT	12224	168HR	23/16
21475	Cape Charles City Approach Light C	DAYMK DMGD	12224	101HR	16/16
21605	Hungar Creek Daybeacon 2	STRUCT DEST/TRLB	12226	026HR	26/14
21615	Hungar Creek Daybeacon 5	TRLB/STRUCT DEST	12226	085HR	08/15
21665	Nassawadox Creek Warning Daybeacon H	STRUCT DEST/HAZ NAV/TRUB	12226	074HR	12/16
21784	Nandua Creek Channel Daybeacon 8	TRUB/STRUCT DEST	12226	197HR	12/15
21790	Nandua Creek Channel Warning Daybeacon F	DAYMK MISSING	12226	203HR	12/15
21792	Nandua Creek Channel Daybeacon 9	TRUB/STRUCT DEST	12226	456HR	33/15
21820	Nandua Creek Channel Daybeacon 17	TRLB/STRUCT DMGD	12226	200HR	12/15
21825	Nandua Creek Channel Daybeacon 19	TRUB/STRUCT DEST	12226	201HR	12/15
21830	Nandua Creek Channel Daybeacon 21	TRUB/STRUCT DEST	12226	202HR	12/15
22475	Starling Creek Daybeacon 6	TRUB/STRUCT DEST	12228	330HR	22/15
22630	Upper Pocomoke River Daybeacon 8	TRUB/STRUCT DEST	12228	504BA	41/14
23410	Goose Creek Channel Daybeacon 6	TRLB/STRUCT DEST	12231	121BA	11/15
23955	**Wicomico River Channel Light 55**	**LT EXT**	**12261**	**221NC**	**24/16**
26310	Crab Alley - Little Creek Daybeacon 1	STRUCT DEST/TRLB	12270	179BA	17/16
27840	Northeast River Buoy 4	TRUB	12274	148BA	13/16
27845	Northeast River Buoy 5	MISSING/TRLB	12274	162BA	16/16
28715	South Ferry Terminal Light 7	STRUCT DEST/TRLB	11555	160NC	09/16
28830	Rollinson Channel Light 34	STRUCT DEST/TRLB	11555	647NC	50/15
29105	Nine Foot Shoal Channel Daybeacon 5	STRUCT DEST/TRUB	11550	NONENC	20/16
29300	Harkers Island East Channel Light 10	TRLB/STRUCT DEST	11545	222NC	16/13
29387	**Beaufort Inlet Channel Lighted Buoy 16**	**LT EXT**	**11547**	**302NC**	**24/16**
29430	Morehead City Channel Range Front Light	LT EXT	11547	037NC	05/16
29435	Morehead City Channel Range Rear Light	STRUCT DEST	11547	389NC	27/14
30055	Banks Channel Light 2	STRUCT DEST/TRLB	11541	237NC	19/16
30200	Wrightsville Channel Junction Daybeacon WC	TRUB/STRUCT DEST	11541	198NC	14/15
30270	Carolina Beach Inlet Buoy 2	OFF STA	11534	630NC	49/15
30491	Federal Point Range Front Light	STRUCT DEST	11534	436NC	32/15
31170	Whale Head Bay Light 1	OFF STA/STRUCT DEST/TRLB	12204	263NC	18/15
31976	Roanoke Marshes Warning Daybeacon	STRUCT DEST	12204	467NC	35/15
32380	Royal Shoal Wreck Light WR7	LT EXT	11550	230NC	20/16
32825	Oyster Creek Lighted Buoy 4	OFF STA	11545	074NC	08/16
33315	Pamlico River Channel Light 9	STRUCT DEST/HAZ NAV/TRLB	11554	226NC	19/16
33360	Pamlico River Channel Light 17	LT EXT	11554	246NC	20/16
33490	Cedar Island North Light	LT EXT/DAYMK MISSING/STRUCT DMGD	11550	045NC	29/14
33535	West Bay Light 7WB	DAYMK MISSING	11544	498NC	38/15

33560	West Bay Light 15WB	LT EXT	11550	281NC	23/16
33570	Long Bay Light 4	DAYMK MISSING	11544	100NC	09/16
33801	Dawson Creek Entrance Buoy 4	MISSING	11552	032NC	52/15
34315	Trent River Daybeacon 20	TRLB/STRUCT DEST	11552	523NC	39/15
34335	Core Sound Buoy 3A	OFF STA	11550	038NC	05/15
34545	Core Sound Lighted Buoy 28	OFF STA	11545	284NC	23/16
35185	New Jersey Intracoastal Waterway Light 49A	LT EXT	12324	209DB	21/16
35310	New Jersey Intracoastal Waterway Daybeacon 80	STRUCT DMGD/TRLB	12324	080DB	04/16
35400	New Jersey Intracoastal Waterway Daybeacon 102	STRUCT DEST/TRLB	12316	034DB	18/15
35830	New Jersey Intracoastal Waterway Daybeacon 207	DAYMK DMGD	12316	208DB	21/16
35955	New Jersey Intracoastal Waterway Buoy 246	MISSING	12316	173DB	19/16
35960	New Jersey Intracoastal Waterway Buoy 246A	MISSING	12316	172DB	19/16
36090	New Jersey Intracoastal Waterway Daybeacon 288	DAYMK MISSING	12316	159DB	18/16
37380	Great Bridge to Albemarle Sound Light 38	STRUCT DEST/TRLB	12206	072HR	11/16
37665	Great Bridge to Albemarle Sound Daybeacon 132	STRUCT DEST/TRUB	12206	147NC	13/16
37905	Alligator River Daybeacon 30	STRUCT DEST/TRUB	11553	093NC	09/16
38230	Goose Creek Daybeacon 24	STRUCT DEST/TRUB	11553	259NC	21/16
38440	Russell Slough Junction Light RS	STRUCT DEST/TRLB	11541	136NC	12/16
38655	Money Island Channel Daybeacon 2A	STRUCT DEST/TRUB	11547	272NC	22/16
39085	**Bogue Sound - New River Light 46C**	**STRUCT DMGD/TRLB**	**11541**	**296NC**	**24/16**
39290	Bogue Sound - New River Daybeacon 70	STRUCT DEST/TRUB	11541	119NC	11/16
39455	**New River - Cape Fear River Daybeacon 65**	**STRUCT DEST/TRUB**	**11541**	**306NC**	**24/16**
39507	New River - Cape Fear River Light 89	DAYMK MISSING	11541	208NC	19/16
39715	**New River - Cape Fear River Daybeacon 152**	**STRUCT DEST/TRUB**	**11534**	**301NC**	**24/16**
39825	New River - Cape Fear River Light 163	STRUCT DEST/TRLB	11534	182NC	16/16
39966	Federal Point Range Front Light	STRUCT DEST	11534	436NC	32/15

DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
275	Assateague Light	RELIGHTED	12210	176HR	24/16	24/16
670	Cape Lookout Light	WATCHING PROPERLY	11545	297NC	24/16	24/16
1035	Barnegat Inlet Buoy 28	RELOCATED	12324	212DB	22/16	24/16
1065	Barnegat Inlet Buoy 33	RELOCATED	12324	233DB	23/16	24/16
4285	Duck Island Range Rear Light	RELIGHTED	12314	226DB	24/16	24/16
4400	Indian River Inlet Buoy 11	WATCHING PROPERLY	12216	181DB	20/16	24/16
7435	Tangier Sound Light	RELIGHTED	12228	172HR	24/16	24/16
8635	Upper Chesapeake Channel Lighted Buoy 37	RELIGHTED	12274	219BA	24/16	24/16
8905	Upper Chesapeake Channel Lighted Buoy 49	RESET ON STATION	12274	220BA	24/16	24/16
13330	Goodwin Thorofare Channel Daybeacon 7	WATCHING PROPERLY	12241	113HR	17/16	24/16
13455	York Spit Light	WATCHING PROPERLY	12238	160HR	22/16	24/16
13497	York River East Range Rear Light	RELIGHTED	12241	169HR	23/16	24/16
21970	Parkers Creek Junction Daybeacon PC	WATCHING PROPERLY	12228	177HR	24/16	24/16
22715	Tangier Sound Light	RELIGHTED	12228	172HR	24/16	24/16
23673	Clay Island Shoal Lighted Wreck Buoy WR1	RESET ON STATION	12231	141BA	12/16	24/16
27285	Robins Point Shoal Buoy 1	RESET ON STATION	12278	216BA	24/16	24/16

28735.3	Hatteras Inlet Channel Lighted Buoy 13A	RELIGHTED	11555	289NC	23/16	24/16
29890	Farnell Bay Warning Daybeacon	WATCHING PROPERLY	11542	280NC	23/16	24/16
32335	Durant Point Light 8	WATCHING PROPERLY	11555	278NC	23/16	24/16
37515	Great Bridge to Albemarle Sound Daybeacon 85	WATCHING PROPERLY	12206	292NC	24/16	24/16

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
9	Ocean Power Lighted Data Buoy A	MISSING	12323	585DB	49/13	
793.6	NC Artificial Fishing Reef Buoy AR366	MISSING	11539	282NC	19/14	
819	NC Artificial Fishing Reef Buoy AR425	MISSING	11520	079NC	04/14	
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	
4900	Thorofare Channel Buoy 10	OFF STA	12211	121BA	09/15	
4925	Ocean Pines Yacht Club Light 2	LT EXT	12211	398BA	29/15	
4991.16	Little Assawoman Bay Daybeacon 15	DAYMK MISSING	12211	491HR	38/15	
4991.22	Little Assawoman Bay Daybeacon 21	STRUCT DMGD	12214	490HR	38/15	
5165	Chincoteague Bay State Boundary Line Buoy B	DAYMK IMCH	12211	528HR	46/12	
5165	Chincoteague Bay State Boundary Line Buoy B	OFF STA	12211	024HR	04/14	
5175	Chincoteague Bay State Boundary Line Buoy D	DAYMK IMCH	12211	429HR	46/12	
5180	Chincoteague Bay State Boundary Line Buoy E	DAYMK IMCH	12211	430HR	46/12	
5185	Chincoteague Bay State Boundary Line Buoy F	MISSING	12211	431HR	46/12	
5190	Chincoteague Bay State Boundary Line Buoy G	DAYMK IMCH	12211	432HR	46/12	
5265	George Island Channel Daybeacon 8	DAYMK IMCH	12211	346HR	38/12	
5453	Coards Marsh Sanctuary Daybeacon A	STRUCT DEST	12211	433HR	46/12	
5453.1	Coards Marsh Sanctuary Daybeacon B	STRUCT DEST	12211	434HR	46/12	
5453.2	Coards Marsh Sanctuary Daybeacon C	STRUCT DEST	12211	435HR	46/12	
5457	Greenbackville Sanctuary Daybeacon A	STRUCT DEST	12211	476HR	43/11	
5457.1	Greenbackville Sanctuary Daybeacon B	DAYMK MISSING	12211	477HR	43/11	
7669	UMCES Lighted Data Buoy JI	MISSING	12264	439BA	36/14	
7837	UMCES Lighted Data Buoy CBB	OFF STA	12282	176BA	16/16	
7860	Bay Bridge Marina Light 5	LT EXT	12270	350BA	44/12	
9853	Elizabeth River Town Point Reach No Wake Buoy A	OFF STA	12253	328HR	35/14	
10125	Lynnhaven Roads Fishing Pier Lights (2)	MISSING	12254	319HR	31/13	
10186	Lynnhaven River Daybeacon 1LR	STRUCT DEST	12254	080HR	08/15	
10334	Lynnhaven River Eastern Branch Daybeacon 27	DAYMK MISSING	12222	162HR	23/16	
10762.03	Lafayette River Northern Branch Daybeacon 3	DAYMK MISSING	12245	251HR	26/14	
10762.1	Lafayette River Northern Branch Daybeacon 12	DAYMK MISSING	12245	252HR	26/14	
10962	Hampton River Channel Buoy 22	DAYMK DMGD	12245	NONEHR	16/16	
12127	Glasshouse Point Lower Ferry Light	LT EXT	12251	367HR	24/15	
12692	James River Lighted Data Buoy A	OFF STA	12252	NONEHR	07/16	
12692.1	James River Lighted Data Buoy B	OFF STA	12252	NONEHR	07/16	
12895	Salt Ponds Daybeacon 12	DAYMK DMGD	12222	NONED5	17/16	
12950	Back River South Channel Daybeacon 2	STRUCT DEST	12238	332HR	24/13	

12958	Back River South Channel Daybeacon 8	DAYMK MISSING	12238	193HR	12/15
13050	Harris River Approach Daybeacon 3	DAYMK MISSING	12238	036HR	06/12
13050	Harris River Approach Daybeacon 3	DAYMK MISSING	12238	168HR	20/14
13065	Harris River Approach Daybeacon 6	OFF STA	12238	169HR	20/14
13065	Harris River Approach Daybeacon 6	OFF STA/DAYMK DMGD	12238	037HR	06/12
14940	Windmill Point Marina Light 3	LT EXT	12235	348HR	23/12
15005	Broad Creek Northern Branch Daybeacon 1N	DAYMK DMGD	12235	234HR	24/13
15050	Broad Creek Northern Branch Daybeacon 12	DAYMK MISSING	12235	431HR	49/14
16275	Buzzards Point Daybeacon 3	DAYMK DMGD	12235	390HR	26/15
16555	Lake Conoy Warning Daybeacon A	MISSING	12233	251BA	19/10
16612	Coan River Marina Buoy 1	MISSING	12233	121BA	10/15
16613	Coan River Marina Buoy 2	MISSING	12233	121BA	10/15
16614	Coan River Marina Buoy 3	MISSING	12233	121BA	10/15
16853	Potomac River Sandy Point Lighted Data Buoy A	MISSING	12233	282BA	20/14
17712	Potomac River Morgantown Lighted Mooring Buoy A	BUOY DMGD/LT EXT	12287	199BA	21/16
17845	Nanjemoy Creek Buoy 5	OFF STA	12288	497BA	45/15
18014	Aquia Creek Daybeacon 31	DAYMK IMCH	12288	422BA	34/14
18014.1	Aquia Creek Daybeacon 32	DAYMK DMGD	12288	NONEBA	34/14
18014.2	Aquia Creek Daybeacon 33	DAYMK IMCH	12288	423BA	34/14
18014.3	Aquia Creek Daybeacon 34	DAYMK DMGD	12288	424BA	34/14
18075	Possum Point Pier Light	LT EXT	12288	448BA	37/15
18170	Leesylvania Park Light 2	LT EXT	12288	449BA	37/15
18601.01	National Harbor Channel Light 3	DAYMK MISSING	12289	144BA	12/16
18793.1	Tanner Creek Warning Daybeacon A	DAYMK MISSING	12233	179BA	23/13
18793.2	Tanner Creek Daybeacon 1	DAYMK MISSING	12233	178BA	23/13
18980	Mill Creek (Patuxent River) Buoy 11	OFF STA	12284	040BA	05/16
19152	Academy Of Natural Science Intake Light B	STRUCT DEST/HAZ NAV	12264	121BA	08/15
19612	South River Warning Buoy A	MISSING	12270	039BA	06/13
19613	South River Warning Buoy B	MISSING	12270	040BA	06/13
20063	Severn River - Mill Creek Buoy 11	SINKING	12283	238BA	16/15
20210	Forked Creek Daybeacon 2	DAYMK MISSING	12282	240BA	18/14
21175	Fairfield Channel Buoy 2	MISSING	12281	036BA	08/12
21180	Fairfield Channel Buoy 4	MISSING	12281	037BA	08/12
21180	Fairfield Channel Buoy 4	OFF STA	12281	286BA	37/12
21185	Fairfield Channel Buoy 6	MISSING	12281	233BA	17/07
21362	North Locust Point Marine Terminal Pier 7 Warning Buoy A	MISSING	12281	569BA	01/15
22095	Onancock Creek -South Branch Buoy 1	OFF STA	12228	292BA	30/08
22430	Pocomoke Sound State Boundary Line Daybeacon H	TRUB/STRUCT DEST	12228	165BA	13/15
22440	Pocomoke Sound State Boundary Line Daybeacon K	TRUB/STRUCT DEST	12228	NONEBA	31/15
22985	Ward Creek Warning Daybeacon A	MISSING	12231	503BA	31/05
23315	Jones Creek Daybeacon 4	DAYMK MISSING	12231	402BA	44/08
23340	Jones Creek Daybeacon 12	DAYMK DMGD	12231	620BA	45/11
23670	Dorchester/Somerset County Line Marker DD	TRUB/STRUCT DEST	12231	166BA	13/15
23715	Dames Quarter Creek Channel Daybeacon 4	OFF STA/TRUB	12261	242BA	24/07
25010	Cambridge Municipal Yacht Basin Light 1	MISSING	12266	316BA	40/12
25015	Cambridge Municipal Yacht Basin Light 2	MISSING	12266	317BA	40/12
25020	Cambridge Channel Range Front Light	LT EXT	12268	420BA	46/08
25025	Cambridge Channel Range Rear Light	LT EXT/DAYMK DMGD	12268	418BA	46/08
25330	Pier Street Marina Daybeacon 1	STRUCT DEST/HAZ NAV	12266	157BA	20/13

25335	Pier Street Marina Daybeacon 2	STRUCT DEST/HAZ NAV	12266	168BA	21/13
25760	Upper Edge Creek Daybeacon 5	STRUCT DEST/HAZ NAV	12266	011BA	02/15
26030	Claiborne Channel Warning Daybeacon	STRUCT DEST	12270	NONEBA	08/16
26036	Claiborne Channel Buoy 5	MISSING	12266	NONEBA	08/16
26038	Claiborne Channel Buoy 6	MISSING	12270	093BA	08/16
26039	Claiborne Channel Warning Buoy A	MISSING	12270	094BA	08/16
26040	Claiborne Channel Warning Buoy B	MISSING	12270	NONEBA	08/16
26210	Oak Creek Buoy 3	MISSING	12270	092BA	08/16
26225	Oak Creek Warning Buoy	STRUCT DEST	12270	265BA	35/12
26275	Cox Creek Daybeacon 5	MISSING	12270	184BA	24/13
26343	Greenwood Creek Buoy 1G	OFF STA	12270	NONEBA	12/15
26343.1	Greenwood Creek Buoy 2	OFF STA	12270	NONEBA	12/15
26343.2	Greenwood Creek Buoy 3	OFF STA	12270	NONEBA	12/15
26343.3	Greenwood Creek Buoy 4	OFF STA	12270	NONEBA	12/15
26343.4	Greenwood Creek Buoy 5	OFF STA	12270	NONEBA	12/15
26343.5	Greenwood Creek Buoy 6	OFF STA	12270	NONEBA	12/15
26343.6	Greenwood Creek Buoy 8	OFF STA	12270	NONEBA	12/15
26343.7	Greenwood Creek Buoy 10	OFF STA	12270	NONEBA	12/15
26343.8	Greenwood Creek Buoy 12	OFF STA	12270	NONEBA	12/15
26343.9	Greenwood Creek Buoy 13	OFF STA	12270	NONEBA	12/15
26990	Shallow Creek Daybeacon 9	DAYMK MISSING	12278	NONEBA	20/11
27230	Upper Gunpowder River Buoy 2	MISSING	12274	280BA	19/15
27240	Upper Gunpowder River Buoy 4	MISSING	12274	279BA	19/15
27245	Upper Gunpowder River Daybeacon 5	STRUCT DEST	12274	278BA	19/14
27250	Upper Gunpowder River Buoy 6	MISSING	12274	277BA	19/15
27255	Upper Gunpowder River Buoy 7	MISSING	12274	276BA	19/15
27265	Upper Gunpowder River Buoy 9	OFF STA	12274	275BA	19/15
27270	Upper Gunpowder River Buoy 10	OFF STA	12274	274BA	19/15
27280	Upper Gunpowder River Daybeacon 12	OFF STA	12274	273BA	19/15
27415	Fairlee Creek Buoy 8	OFF STA/BUOY DMGD	12278	361BA	28/14
27920	Upper Elk River Buoy 8	OFF STA	12274	127BA	16/13
27925	Upper Elk River Buoy 9	OFF STA	12274	128BA	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
30915	Wilmington Marine Center Daybeacon 9	DAYMK DMGD	11537	NONENC	05/16
31060	Shallotte Inlet Buoy 2	MISSING	11534	005NC	01/14
31087	Shallotte Inlet Buoy 9	MISSING	11534	317NC	23/13
32725.23	Swanquarter PPA Warning Daybeacon X	STRUCT DEST	11548	089NC	09/16
32725.24	Swanquarter PPA Warning Daybeacon Y	STRUCT DEST	11548	NONENC	09/16
33427.5	Swan Point Warning Daybeacon B	DAYMK MISSING	11552	177NC	12/15
33428	Swan Point Warning Light C	DAYMK MISSING	11552	178NC	12/15
33428.5	Swan Point Warning Daybeacon D	DAYMK MISSING	11552	179NC	12/15
35230	Manahawkin Bay Lower Warning Light	LT EXT	12324	371DB	32/13
35780	Absecon Waterway Upper Pier Light	LT IMCH	12316	521DB	38/14
35785	Absecon Waterway Lower Pier Light	LT IMCH	12316	522DB	38/14
36777.3	Cape May Village Daybaecon 4	STRUCT DEST	12316	556DB	41/15
	Asquith Creek Daybeacon 6	DAYMK IMCH	12282	520BA	45/14
	Back Creek-Syc Daybeacon 8	STRUCT DMGD	12238	NONEHR	23/16
	Back River Buoy 6	BUOY DMGD		263BA	33/13
	Beach Cove South Channel Daybeacon 8	MISSING	12216	NONEAC	10/06
	Cherrystone Artifical Reef Buoys	MISSING	12221	NONED5	24/05
	Cox Creek Channel Buoy 6 (Patapsco)	ADRIFT	12278	296BA	36/13
	Cox Creek Channel Buoy 7 (Patapsco)	ADRIFT	12278	297BA	36/13
	East Cod Creek Daybeacon 4	DAYMK MISSING	12233	120BA	21/12
	East Cod Creek Daybeacon 6	DAYMK DMGD	12285	318BA	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
Indian River Bay Shellfish Excl. Buoy	MISSING	12216	NONEAC	08/12
Irish Creek Buoy 3	MISSING	12266	208BA	23/16
La Trappe Crk Ch Buoy 12	MISSING		212BA	23/16
Little Cove Point Warnimg Light C	STRUCT DEST	12264	286BA	36/13
Old House Cove Warning Daybeacon A	MISSING	12231	0498BA	31/05
Old House Cove Warning Daybeacon B	MISSING	12231	0499BA	31/05
Old House Cove Warning Daybeacon C	MISSING	12231	0500BA	31/05
Parramore Artifical Reef Buoy	MISSING	12210	0071ES	21/05
Playtors Creek Dbn 3	STRUCT DEST	12266	186BA	18/16
Shark Riv Is Ch By 1	MISSING		215DB	22/16
Shark River Light 5	LT EXT		395DB	28/15
St. Michaels Harbor Buoy 6	SINKING	12270	177BA	16/16
Upper Tangier Sound County Range Marker F	STRUCT DEST	12231	155BA	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 Artifical Reef Buoys	MISSING	12210	0072ES	21/05

DISCREPANCIES (PRIVATE AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
	Irish Creek Buoy 1	RESET ON STATION	12266	208BA	23/16	24/16
	Irish Creek Buoy 2	RESET ON STATION	12266	208BA	23/16	24/16
	Irish Creek Buoy 4	RESET ON STATION	12266	208BA	23/16	24/16
	Irish Creek Buoy 4A	RESET ON STATION	12266	208BA	23/16	24/16
	Irish Creek Buoy 6	RESET ON STATION	12266	208BA	23/16	24/16

PLATFORM DISCREPANCIES

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

PLATFORM DISCREPANCIES CORRECTED

Name	Status	Position	BNM Ref.	LNM St	LNM End

None

SECTION III - TEMPORARY CHANGES and TEMPORARY CHANGES CORRECTED

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

TEMPORARY CHANGES

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
1030	**Barnegat Inlet Buoy 27A**	**RELOCATED DUE TO SHOALING**	**12324**	296D5	**24/16**	
1035	**Barnegat Inlet Buoy 28**	**RELOCATED DUE TO SHOALING**	**12324**	295D5	**24/16**	
1065	**Barnegat Inlet Buoy 33**	**RELOCATED DUE TO SHOALING**	**12324**	296D5	**24/16**	
6348	Virginia Inside Passage Daybeacon 213	TRUB	12224	NONED5	02/14	

7450	USN Aerial Gunnery Area Warning Daybeacon A	TRLB	12228	500BA	16/16
8117	NOAA Lighted Data Buoy SN	DISCONTINUED	12278	602D5	50/15
8150	Brewerton Channel Range Front Light	RELOCATED	12281	181D5	14/15
9520	Elizabeth River Channel Lighted Bell Buoy 10	RELOCATED FOR DREDGING	12245	623D5	52/15
9552.5	Norfolk International Terminal North Channel Lighted Buoy 6N	RELOCATED FOR DREDGING	12245	623D5	52/15
9620	Elizabeth River Channel Lighted Buoy 20	RELOCATED FOR DREDGING	12245	623D5	52/15
9630	Elizabeth River Channel Lighted Buoy 23	RELOCATED FOR DREDGING	12245	623D5	52/15
9930	NOAA Lighted Data Buoy N	DISCONTINUED	12245	239D5	21/16
11897	James River Channel Lighted Buoy 27A	DISCONTINUED FOR DREDGING	12248	541D5	44/15
11904	James River Channel Lighted Buoy 29A	DISCONTINUED FOR DREDGING	12248	541D5	44/15
19697	NOAA Lighted Data Buoy AN	DISCONTINUED	12283	604D5	50/15
21510	Mud Creek Channel Daybeacon 1	DISCONTINUED FOR DREDGING	12224	271HR	17/15
21515	Mud Creek Channel Daybeacon 2	TRUB	12224	221D5	18/15
23510	Lower Thorofare Channel Light 6	TRDBN	12231	096D5	11/16
27405	Fairlee Creek Light 2F	DISCONTINUED	12278	136D5	13/16
28030	Oregon Inlet Buoy 14A	DISCONTINUED FOR DREDGING	12204	534D5	43/15
28035	Oregon Inlet Buoy 15	DISCONTINUED FOR DREDGING	12204	012D5	03/16
28234	Old House Channel Lighted Buoy 2H	DISCONTINUED	12206	410D5	34/15
28669	Hatteras Inlet Buoy 9	DISCONTINUED	11555	269D5	21/15
28670	Hatteras Inlet Buoy 9A	DISCONTINUED	11555	269D5	21/15
28717	South Ferry Terminal Lighted Buoy 8SF	DISCONTINUED	11555	437D5	15/16
28719	South Ferry Terminal Lighted Buoy 10SF	DISCONTINUED	11555	437D5	15/16
28724	Hatteras Inlet Lighted Buoy 9B	DISCONTINUED	11555	269D5	21/15
28726	Hatteras Inlet Lighted Buoy 10	DISCONTINUED	11555	269D5	21/15
28726.1	Hatteras Inlet Buoy 10A	DISCONTINUED	11555	269D5	21/15
28726.2	Hatteras Inlet Lighted Buoy 10B	DISCONTINUED	11555	269D5	21/15
28729	Hatteras Inlet Lighted Buoy 11	DISCONTINUED	11555	269D5	21/15
28730.1	Hatteras Inlet Channel Lighted Buoy 11A	DISCONTINUED	11555	297D5	27/14
28730.15	Hatteras Inlet Channel Buoy 11AA	DISCONTINUED	11555	269D5	21/15
28730.2	Hatteras Inlet Channel Lighted Buoy 11B	DISCONTINUED	11555	269D5	21/15
28733	Hatteras Inlet Channel Lighted Buoy 12AA	DISCONTINUED	11555	269D5	21/15
28733.1	Hatteras Inlet Channel Buoy 12B	DISCONTINUED	11555	269D5	21/15
28733.2	Hatteras Inlet Channel Buoy 12C	DISCONTINUED	11555	269D5	21/15
28735.2	Hatteras Inlet Channel Lighted Buoy 13	DISCONTINUED	11555	NONED5	23/15
28760	Hatteras Inlet Channel Daybeacon 18	RELOCATED DUE TO SHOALING	11555	158D5	14/16
28765	Hatteras Inlet Channel Light 19	RELOCATED DUE TO SHOALING	11555	158D5	14/16
28955	Teaches Hole Channel Lighted Buoy 20	DISCONTINUED	11550	173D5	14/15
29655	New River Inlet Buoy 1	DISCONTINUED	11541	067D5	06/15
29660	New River Inlet Buoy 2	DISCONTINUED	11541	067D5	06/15

29665	New River Inlet Buoy 3	DISCONTINUED	11541	491D5	43/14
29670	New River Inlet Buoy 4	DISCONTINUED	11541	491D5	43/14
29680	New River Inlet Buoy 6	DISCONTINUED	11541	491D5	43/14
29700	New River Inlet Buoy 8	DISCONTINUED	11541	491D5	43/14
29720	New River Inlet Buoy 10	DISCONTINUED	11541	NONED5	43/14
29721	New River Inlet Buoy 10A	DISCONTINUED	11541	491D5	43/14
29723	New River Inlet Buoy 10B	DISCONTINUED	11541	491D5	43/14
29725	New River Inlet Buoy 11	DISCONTINUED	11541	491D5	43/14
29726	New River Inlet Buoy 11A	DISCONTINUED	11541	491D5	43/14
30048.04	Banks Slough Channel Buoy 4	RELOCATED DUE TO SHOALING	11541	252D5	22/16
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

TEMPORARY CHANGES CORRECTED

LLNR	Aid Name	Status	Chart No.	BNM Ref.	LNM St	LNM End
1450	Cape May Inlet Lighed Wreck Buoy WR6	LWP	12317	273D5	23/16	24/16
3925	Upper Delaware River Channel Buoy 39	Returned to Assigned Position	12314	263D5	48/15	24/16
14983	Broad Creek Channel Buoy 6A	LWP	12235	281D5	23/16	24/16

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: 23/16 NAD 83 24/16

ChartTitle: **Intracoastal Waterway Neuse River to Myrtle Grove Sound**

CHART NC-AIWW - NEUSE RIVER TO MYRTLE GROVE SOUND. Page/Side: N/A

DELETE	Town Creek Channel Daybeacon 1 at	CGD05 34-43-32.976N	076-40-03.600W
RELOCATE	Bogue Sound - New River Light 46C	CGD05 from 34-41-04.718N to 34-41-04.420N	077-07-24.624W 077-07-24.546W

11542 19th Ed. 01-AUG-14 Last LNM: 16/16 NAD 83 24/16

ChartTitle: **New River;Jacksonville**

CHART NC- NEW RIVER. Page/Side: N/A

DELETE	New River Channel Daybeacon 53 at	CGD05 34-43-15.438N	077-25-22.767W

11545 66th Ed. 01-JUN-15 Last LNM: 23/16 NAD 83 24/16

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

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

DELETE	Town Creek Channel Daybeacon 1 at	CGD05 34-43-32.976N	076-40-03.600W

Main Panel 509 BEAUFORT INLET AND PART OF CORE SOUND. Page/Side: A

CHANGE	Tabulation - MOREHEAD CITY HARBOR CHANNEL DEPTHS http://ocsdata.ncd.noaa.gov/ntm/SupportImage.aspx?ItemID=265252; Tabulation - MOREHEAD CITY HARBOR CHANNEL DEPTHS (NOS NW-25691)	NOS 34-48-21.000N	076-45-24.000W

11547 40th Ed. 01-JUL-15 Last LNM: 22/16 NAD 83 24/16

ChartTitle: **Morehead City Harbor**

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

DELETE	Town Creek Channel Daybeacon 1 at	CGD05 34-43-32.976N	076-40-03.600W
CHANGE	Tabulation - MOREHEAD CITY HARBOR CHANNEL DEPTHS http://ocsdata.ncd.noaa.gov/ntm/SupportImage.aspx?ItemID=265253; Tabulation - MOREHEAD CITY HARBOR CHANNEL DEPTHS (NOS NW-25691)	NOS 34-43-12.900N	076-37-39.400W

12214 49th Ed. 01-NOV-10 Last LNM: 23/16 NAD 83 24/16

ChartTitle: **Cape May to Fenwick Island**

Main Panel 554 CAPE MAY TO FENWICK ISLAND. Page/Side: N/A

CGD05

RELOCATE	Indian River Inlet Buoy 14	from 38-36-24.630N to 38-36-24.162N	075-05-16.646W 075-05-16.220W
ADD	Cape May Inlet Lighed Wreck Buoy WR6 Q R	CGD05 at 38-56-22.111N	074-51-55.483W

12216 **29th Ed.** **01-JUN-12** **Last LNM: 22/16** **NAD 83** **24/16**

ChartTitle: **Cape Henlopen to Indian River Inlet;Breakwater Harbor**

CHART DE-CAPE HENLOPEN TO INDIAN RIVER INLET. Page/Side: N/A

RELOCATE	Indian River Inlet Buoy 14	CGD05 from 38-36-24.630N to 38-36-24.162N	075-05-16.646W 075-05-16.220W

12221 **82nd Ed.** **01-FEB-14** **Last LNM: 17/16** **NAD 83** **24/16**

ChartTitle: **Chesapeake Bay Entrance**

Main Panel 558 CHESAPEAKE BAY ENTRANCE. Page/Side: N/A

ADD	Wreck in Feet; 48 Wk Rep (2016) (Chart No. 1: K26) (NOS NW-25714)	NOS 37-14-35.500N	076-23-52.900W

12225 **60th Ed.** **01-NOV-11** **Last LNM: 23/16** **NAD 83** **24/16**

ChartTitle: **Chesapeake Bay Wolf Trap to Smith Point**

Main Panel 563 CHESAPEAKE BAY WOLF TRAP TO SMITH POINT. Page/Side: N/A

ADD	Broad Creek Channel Buoy 6A Red Nun	CGD05 at 37-33-41.655N	076-18-50.444W

12230 **66th Ed.** **01-APR-13** **Last LNM: 23/16** **NAD 83** **24/16**

ChartTitle: **Chesapeake Bay Smith Point to Cove Point**

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

CHANGE	Big Annemessex River Light 1 to Big Annemessex River Light 1BA at	CGD05 38-03-09.668N	075-52-09.630W
CHANGE	Big Annemessex River Light 6 to Fl R 4s, 15FT, 4M at	CGD05 at 38-03-22.094N	075-48-16.441W

12231 **31st Ed.** **01-MAY-16** **Last LNM: 21/16** **NAD 83** **24/16**

ChartTitle: **Chesapeake Bay Tangier Sound Northern Part**

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

CHANGE	Big Annemessex River Light 1 to Big Annemessex River Light 1BA at	CGD05 38-03-09.668N	075-52-09.630W
CHANGE	Big Annemessex River Light 6 to Fl R 4s, 15FT, 4M at	CGD05 at 38-03-22.094N	075-48-16.441W

12235 **34th Ed.** **01-FEB-14** **Last LNM: 19/16** **NAD 83** **24/16**

ChartTitle: **Chesapeake Bay Rappahannock River Entrance, Piankatank and Great Wicomico Rivers**

CHART VA -CHESAPEAKE BAY: RAPPAHANNOCK RIVER ENTRANCE (PIANK & GRT WIC RV). Page/Side: N/A

ADD	Broad Creek Channel Buoy 6A Red Nun	CGD05 at 37-33-41.655N	076-18-50.444W

12238 **41st Ed.** **01-JUL-14** **Last LNM: 17/16** **NAD 83** **24/16**

ChartTitle: **Chesapeake Bay Mobjack Bay and York River Entrance**

Main Panel 580 CHESAPEAKE BAY MOBJACK BAY AND YORK RIVER ENTRANCE. Page/Side: A

ADD	Wreck in Feet; 48 Wk Rep (2016) (Chart No. 1: K26) (NOS NW-25714)	NOS 37-14-35.500N	076-23-52.900W

12241 **23rd Ed.** **01-MAR-14** **Last LNM: 17/16** **NAD 83** **24/16**

ChartTitle: **York River Yorktown and Vicinity**

Main Panel 581 YORK RIVER YORKTOWN AND VICINITY. Page/Side: N/A

NOS

ADD Wreck in Feet; 48 Wk Rep (2016) (Chart No. 1: K26) (NOS NW-25714) 37-14-35.500N 076-23-52.900W

12268 **12th Ed.** **01-DEC-15** **Last LNM: 12/16** **NAD 83** **24/16**

ChartTitle: **Choptank River Cambridge to Greensboro**

CHART CHOPTANK RIVER: CAMBRIDGE TO GREENSBORO. Page/Side: N/A

CGD05

RELOCATE Choptank River Channel Daybeacon 43 from 38-40-59.386N 075-58-23.738W
to 38-40-59.301N 075-58-23.601W

12316 **35th Ed.** **01-OCT-12** **Last LNM: 23/16** **NAD 83** **24/16**

ChartTitle: **Intracoastal Waterway Little Egg Harbor to Cape May;Atlantic City**

CHART NJ-IWW-LITTLE EGG HARBOR TO CAPE MAY. Page/Side: N/A

CGD05

ADD Cape May Inlet Lighed Wreck Buoy WR6 at 38-56-22.111N 074-51-55.483W

Q R

12317 **33rd Ed.** **01-MAR-15** **Last LNM: 49/15** **NAD 83** **24/16**

ChartTitle: **Cape May Harbor**

Main Panel 679 CAPE MAY HARBOR. Page/Side: A

CGD05

ADD Cape May Inlet Lighed Wreck Buoy WR6 at 38-56-22.111N 074-51-55.483W

Q R

SECTION V - ADVANCE NOTICES

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

SUMMARY OF ADVANCED APPROVED PROJECTS

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

None

Advance Notice(s)

DE/NJ/PA - DELAWARE RIVER-NEW CASTLE RANGE REACH AND BULKHEAD BAR RANGE REACH – BUOYAGE NAME CHANGE

The following name and number changes will be made.
Delaware River-New Castle Range Reach aids:
New Castle Range Lighted Buoy 1N (LLNR 2720) will change to Delaware River Buoy 11.
Fort Delaware Light 5N (LLNR 2830) will change to Delaware River Light 15.
New Castle Range Lighted Gong Buoy 7N (LLNR 2835) will change to Delaware River Lighted Gong Buoy 17.
Chart 12311 LNM: 21/16

VA - VIRGINIA INSIDE PASSAGE - DISCONTINUED AIDS TO NAVIGATION

In consultation with the USACE and the State of Virginia, the Coast Guard will remove approximately 166 aids to navigation in the Virginia Inside Passage as resources permit over the course of the next several years. Lighting equipment will be removed from lighted aids and the aids converted to daybeacons until they can be removed. The Coast Guard is concerned that many of the aids to navigation listed below are misleading to the mariner due to the extreme shoaling and shallower waterways that have developed over the past several years due to the lack of dredging. As a result, the Coast Guard can no longer safely mark the waterway. Mariners and waterway users are advised to use extreme caution when navigating in the vicinity of the aids to navigation in these waterways.
The Coast Guard will continue to mark Bradford Bay Access, Great Machipongo Channel and Wachapreague Channel, as water depths permit. Additionally it was determined natural deep water exists near Folley Creek (aids 80-107), Wallops Island (aids 2-17) and at the southern tip of the VIP just northeast of the Chesapeake Bay Bridge (aids 265-267) and these aids will be maintained as long as they remain accessible to be service by Coast Guard units.
The Coast Guard Fifth District will discontinue the aids to navigation listed below:
VIP Warning Daybeacon AA (LLNR 5520) to VIP Warning Daybeacon C (LLNR 5533);
VIP Daybeacon 19 (LLNR 5645) to VIP Daybeacon 77 (LLNR 5845);
VIP Buoy 110 (LLNR 5955) to VIP Daybeacon 119 (LLNR 5985);
VIP Daybeacon 140 (LLNR 6065) to VIP Buoy 158A (LLNR 6139);
VIP Daybeacon 161 (LLNR 6150) to VIP Daybeacon 175 (LLNR 6195);
VIP Daybeacon 178 (LLNR 6205) to VIP Daybeacon 192 (LLNR 6250);
VIP Buoy 194 (LLNR 6260) to VIP Light 229 (LLNR 6430);
VIP Daybeacon 231 (LLNR 6435) to VIP Daybeacon 233 (LLNR 6450);
VIP Light 236 (LLNR 6460) to VIP Buoy 264 (LLNR 6575);
VIP Light 270 (LLNR 6595);

Quinby Inlet Entrance Warning Daybeacon A (LLNR 6730)
Quinby Inlet Junction Warning Daybeacon B (LLNR 6735)
Quinby Inlet Creek Warning Daybeacon B (LLNR 6775)
North Inlet Lighted Wreck Buoy WR1 (LLNR 6790)
VIP Junction Light GV (LLNR 6835)
Great Machipongo Channel Lighted Wreck Buoy WR6 (LLNR 6917)
Great Machipongo Channel Lighted Wreck Buoy WR10 (LLNR 6927)
Ramshorn Channel Warning Daybeacon A (LLNR 6960)

Charts: 12210 12211 LNM: 10/16

VA – ELIZABETH RIVER – LAMBERTS POINT - OYSTER REEF WARNING DAYBEACON

On or about June 14, 2016 Hampton Roads Sanitation District will establish Lambert Point Warning Daybeacon A in approximate position 36-53-07.8N, 076-19-12.6W on the north side of Lamberts Point approximately one half mile south of the entrance to Lafayette River Channel. The daymark will be on a pile worded "DANGER Keep Off Oyster Reef".

Chart 12245 LNM: 24/16

NC – BEAUFORT INLET – AID TO NAVIGATION RELOCATIONS

The Coast Guard will be relocating the following aids to the positions listed below on or about Jun 20, 2016 due to upcoming dredge operations:
Beaufort Inlet Channel Lighted Buoy 13, (LLNR 29372) 34-40-32.340/076-40-11.160
Beaufort Inlet Channel Lighted Buoy 15, (LLNR 29380) 34-40-49.000/076-40-11.000
Morehead City Channel Lighted Buoy 21, (LLNR 29440) 34-41-58.000/076-40-30.000.

Chart 11547 LNM: 23/16

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/lnms/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

VA – YORK RIVER – ABERDEEN CREEK - PROPOSAL TO DISCONTINUE WARNING DAYBEACONS

In 2002 the lateral aids to navigation marking Aberdeen Creek where converted to non-lateral aids due to sever shoaling. These waterway conditions have not improved and a review of the most recent survey data has confirmed that the Coast Guard's Construction Tender still cannot access this waterway for maintenance of the aids to navigation. The Coast Guard is proposing discontinuing the five (5) the Aberdeen Creek Warning Daybeacons and will have the single pile wood structures, removed by contract.
Aids to be discontinued and removed are Aberdeen Creek:
(LL 13890) Warning Daybeacon 37 20 12.517N—76 35 34.832W
(LL 13895) Warning Daybeacon 37 20 17.491N—76 35 28.620W
(LL 13900) Warning Daybeacon A 37 20 24.325N—76 35 34.602W
(LL 13905) Warning Daybeacon 37 20 31.957N—76 35 35.280W
(LL 13910) Warning Daybeacon B 37 20 36.517N—76 35 34.832W
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/lnms/D05%20LNM%202015%20Special%20Notice_Waterway_Proposal%20Feedback%20Form.pdf
Or send comments to Albert.L.Grimes@uscg.mil or CGD5Waterways@uscg.mil, or mailed to:
U.S. Coast Guard Fifth District
Waterways Management (dpw)
431 Crawford Street, Room 100
Portsmouth, VA 23704
Attn: Albert Grimes

All comments will be carefully considered and are requested prior to July 11, 2016 to be considered in the analysis. Please reference project 05-16-088(D).

Chart 12243 LNM: 24/16

VA – CHESAPEAKE BAY – RAPPAHANNOCK RIVER ENTRANCE - PROPOSAL TO REMARK MILFORD HAVEN EAST (THE HOLE IN THE WALL)

Due to continuing shoaling in the Milford Haven East waterway; locally known as The Hole in the Wall, the majority of the aids to navigation are not marking best water. This shoaling has also limited the servicing vessels the Coast Guard can use to take corrective action. The Coast Guard is proposing the following changes to the aids to navigation marking Milford Haven East:
Change Milford Haven East Light 3 (LLNR 14580) to Milford Haven East Daybeacon 3
Change Milford Haven East Light 5 (LLNR 14590) to Milford Haven East Daybeacon 5
Change Milford Haven East Light 6 (LLNR 14593) to Milford Haven East Warning Daybeacon A
Rename Milford Haven East Warning Daybeacon (LLNR 14595) to Milford Haven East Warning Daybeacon B
Establish Milford Haven East Buoy 7 (No LLNR) at 37 27 47.030N—76 15 13.650W
Rename Milford Haven East Buoy 6A (LLNR 14594) to Milford Haven East Buoy 8
Rename Milford Haven East Light 8 (LLNR 14600) to Milford Haven East Warning Daybeacon C
Establish Milford Haven East Buoy 9 (No LLNR) at 37 28 02.500N—76 15 45.600W
Rename Milford Haven East Light 9 (LLNR 14605) to Milford Haven East Daybeacon 11
Establish Milford Haven East Buoy 13 (No LLNR) at 37 28 04.950N—76 15 58.340W
Rename Milford Haven East Light 11 (LLNR 14610) to Milford Haven East Warning Daybeacon D
Rename Milford Haven East Daybeacon 12 (LLNR 14615) to Milford Haven East Daybeacon 14
Rename Milford Haven East Light 14 (LLNR 14620) to Milford Haven East Daybeacon 16
Establish Milford Haven East Buoy 18 (No LLNR) at 37 27 58.560N—76 16 17.400W
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/lnms/D05%20LNM%202015%20Special%20Notice_Waterway_Proposal%20Feedback%20Form.pdf
All comments will be carefully considered and are requested prior to July 11, 2016 to be considered in the analysis. Please reference project 05-16-082(D).
Send comments to Albert.L.Grimes@uscg.mil or CGD5Waterways@uscg.mil,or mail to:
U.S. Coast Guard Fifth District
Waterways Management (dpw)
431 Crawford Street, Room 100
Portsmouth, VA 23704
Attn: Albert Grimes

Charts: 12235 12238 LNM: 24/

VA – NEWPORT NEWS TO JAMESTOWN ISLAND AND WARWICK RIVER – AIDS TO NAVIGATION DISCONTINUE

Warwick River Daybeacon 2 (LL 11525) and Jamestown Island Daybeacon 2 (LLNR 11995) were both destroyed and due depth restrictions the structures cannot be rebuilt. The Coast Guard is proposing discontinuing the both aids.
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/lnms/D05%20LNM%202015%20Special%20Notice_Waterway_Proposal%20Feedback%20Form.pdf
All comments will be carefully considered and are requested prior to June 20, 2016 to be considered in the analysis. Please reference project 05-16-080(D).
Send comments to Albert.L.Grimes@uscg.mil or CGD5Waterways@uscg.mil, or mailed to:
U.S. Coast Guard Fifth District
Waterways Management (dpw)
431 Crawford Street, Room 100
Portsmouth, VA 23704
Attn: Albert Grimes

Charts: 12245 12248 LNM: 22/16

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

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

MH-53E helicopter at low altitudes over the following inland and coastal waterways:
- Willoughby Bay
- Thimble Shoal Channel from the Naval Station Norfolk piers to the Chesapeake Bay Bridge Tunnel.
- An area of the Chesapeake Bay, adjacent to the Thimble Shoal Channel from Thimble Shoal to the Chesapeake Bay bridge tunnel extending to the north four miles to form a four by seven mile rectangle.

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

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

These operations involve large naval helicopters at flight altitudes of 100 feet or less, towing surface and sub-surface devices at speeds up to 25 knots. Helicopters may be identified by a rotating amber position light on centerline of main hull flashing 90 times per minute. An area of hurricane-force winds exists within a 250-foot radius around these helicopters, sufficient to blow people and objects from exposed decks and capsize small craft. The towed devices may be completely invisible and include large cables on or just below the surface streaming up to 1200 feet behind the aircraft. AMCM helicopters will transit to and from the area described above in the following manner: Outboard from the seaplane ramp at the Norfolk Naval Air Station across Willoughby Bay to the main shipping channel, then easterly along the main channel to Buoy 21. From Buoy 21either 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 - COASTAL - U.S. NAVAL BASE DAM NECK, VIRGINIA BEACH - SMALL ARMS RANGE LIVE FIRE SCHEDULE

All vessel operators are reminded to review Navigation Regulations as described in paragraph 334.380 of Chapter 2, of U.S. Coast Pilot 4, Atlantic Coast: Cape Henry to Key West (45th) Edition when operating south of the entrance to the Chesapeake Bay, off the Dam Neck Naval Firing Range. When firing is in progress during daylight hours, 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.

The U.S. Naval Base Dam Neck Live Fire Range will be active during periods advertised by Broadcast Notice to Mariners.

Charts: 12203 12205 12207 12221 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.ON 075-34.7W.
AREA B: 36-29.0N 075-31.8W, 36-29.0N 075-35.5W, 36-26.0N 075-35.5W, 36-26.0N 075-31.8W.
AREA C: 36-29.0N 075-20.8W, 36-29.0N 075-24.5W, 36-26.0N 075-24.5W, 36-29.0N 075-20.8W.
AREA D: 36-46.5N 075-47.8W, 36-46.5N 075-46.5W, 36-47.5N 075-46.5W, 36-47.5N 075-47.8W.

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

Chart 12200 LNM: 01/16

VA – APPROACHES TO CHESAPEAKE BAY – HYDROPHONE DEPLOYMENT

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

LNM: 07/15

NC - NEW RIVER - FIRING EXERCISES

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

NC - NEW RIVER - FIRING EXERCISES

2. The restricted areas in the Atlantic Ocean East of the New River Inlet as shown on National Ocean Service Chart 11543, will be closed to navigation because of firing exercises during the following periods:
Atlantic Coast Sector Live Fire Operations
8:00 a.m. to 5:00 pm Daily (USS Ship-Naval Gunfire)
8:00 a.m. to 10:00 pm Daily (Stinger Missiles and ranges)
Atlantic Coast Sector Non-Live fire operations
12:01 a.m. to Midnight Daily (USS Ship-Maneuvering)
3. The restricted areas in the New River, as shown on National Ocean Service Chart 11542, that WILL be closed to navigation because of Stone Bay Rifle Range firing exercises during the following periods:
Stone Creek Sector 12:01 a.m. to Midnight – daily
Stone Bay Sector 12:01 a.m. to Midnight – daily
West of the 77 (deg) 26(min) longitude line.
The restricted areas that MAY be closed to navigation because of firing exercises during the following periods:
Traps Bay Sector 12:01 a.m. to Midnight – daily
Courthouse Bay Sector 12:01 a.m. to Midnight – daily
Stone Bay Sector 12:01 a.m. to Midnight – daily
East of the 77 (deg) 26 (min) longitude line.
Grey Point Sector 12:01 a.m. to Midnight – daily
Farnell Bay Sector Sunrise to Sunset – daily
Morgans Bay Sector Sunrise to Sunset – daily
Jacksonville Sector Sunrise to Sunset – daily
4. The Target Bombing Area N1/BT-3 Impact Area in the Atlantic Ocean East of the New River Inlet as shown on National Ocean Service Chart 11543, may be closed to navigation because of firing exercises during the following periods:
N1/BT-3 Live Fire Operations:
8:00 a.m. to 5:00 pm Daily (USS Ship-Naval Gunfire)
8:00 a.m. to 10:00 pm Daily (Stinger Missile and ranges)
N1/BT-3 Non-Live Fire Operations:
12:01 a.m. to Midnight Daily (USS Ship-Maneuvering)
5. Atlantic Intracoastal Waterway, Inland Waters in the Browns Island Inlet area between Bear Creek and Onslow Beach, may be closed for firing exercises during the following periods:
Live Fire Operations:
8:00 a.m. to 5:00 pm Daily (USS Ship-Naval Gunfire)
8:00 a.m. to 10:00 pm Daily (Ranges)
Non-Live Fire Operations:
12:01 a.m. to Midnight Daily (Boat-Maneuvering)
6. Ship operations consisting of landing craft, amphibious vehicles, and helicopters may be conducted in the Onslow Beach operating area and all sectors of New River from 12:01 a.m. to Midnight – daily. Range Control Boats, MCIE-MCB CamLej North Carolina monitor Channel 16 VHF-FM (156.8 MHz) and the working Channel 82 VHF-FM (161.725 MHz). Range Control can be reached by phone at 910-451-3064 or 4449.
7. Due to unexploded ordnance on Browns Island and in the adjacent waterways and marsh areas, Browns Island is off limits to all unauthorized personnel. Vessels may transit the surrounding waters, however no vessel shall bottom fish or anchor.

Charts: 11541 11542 11543 LNM: 01/16

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

The Camp Pendleton State Military Reservation Live Fire Small Arms Range described as all of the waters seaward of the mean high water shore line within a sector between radial lines extending 13,500 yards seaward and bearing 070 degrees true and 150 degrees true, respectively, from a point on shore at 36- 48- 58.3N, 075- 57- 59.0W. All vessel operators are reminded to review Navigation Regulations as described in paragraph 334.380 of Chapter 2, of U.S. Coast Pilot 4, Atlantic Coast: Cape Henry to Key West (45th) Edition when operating south of the entrance to the Chesapeake Bay. Firing will take place only during daylight hours and red flags will be displayed at conspicuous locations on the beach at the facility. Vessels shall proceed through the area with caution and shall remain in the area no longer than necessary for transit.

LNM: 13/16

DREDGING AND MARINE CONSTRUCTION CAUTIONS

Mariners are cautioned to stay clear of dredge, booster, floating (pontoon) and submerged pipelines, barges, derricks and operating wires associated with dredging and marine construction operations. Operators of vessels of all types should be aware that dredges and floating pipelines are held in place by cables, attached to anchors some distance away from the equipment. Buoys are attached to the anchors so that the anchors may be moved as the dredge advances and the location of the submerged pipelines are marked by buoys on each side of the channel. Mariners are cautioned to strictly comply with the Inland Rules of the Road when approaching, passing and leaving the area of operations, and remain a safe distance away from the dredge, booster, buoys, cables, pipeline, barges, derricks, wires and related equipment. . Dredging projects are usually conducted twenty-four (24) hours a day seven (7) days a week. All fishnets, crabpots and structures in the general area must be removed prior to commencement of any work. A NO WAKE transit is requested of all vessels passing the dredge and if necessary to clarify a SAFE PASSAGE contact the dredge on the appropriate VHF-FM channels.

LNM: 01/16

DE/NJ – DELAWARE RIVER – BENJAMIN FRANKLIN BRIDGE INSPECTION

Mariners are advised that bridge inspections will be conducted on the Benjamin Franklin Bridge, over the Delaware River, from June 6 to June 20, 2016. A hanging platform will be used to conduct the visual inspections and will, at times, reduce the navigational channel bridge clearance by 14ft 2in. The platform will be able to move to allow vessel passage. Vessels requiring the full clearance of the bridge can contact the platform crew, via VHF-FM channel 16 or 13, when approaching to request movement of the platform. At no time will the platform restrict or impede on vessel traffic. Mariners are advised to proceed with caution when transiting the area.

DE/NJ – DELAWARE RIVER – BENJAMIN FRANKLIN BRIDGE INSPECTION

Chart 12312 LNM: 22/16

PA/NJ – DELAWARE RIVER – BENJAMIN FRANKLIN BRIDGE INSPECTIONS - DIVING OPERATION

Underwater bridge inspections will be conducted on the Benjamin Franklin Bridge, over the Delaware River, from June 13 to July 1, 2016. Diving and sonar work will be conducted during favorable periods of slack tide between 7am to 5pm Monday through Friday. A 24" dive boat "Louie" will be tied off to the bridge piers outside the main navigational channel. Dive boat "Louie" will be monitoring VHF-FM radio channels 16 and 13 at all times. Mariners are advised to proceed with caution when transiting the area.

Chart 12312 LNM: 22/16

PA/NJ – DELAWARE RIVER–PHILADELPHIA AND CAMDEN WATERFRONTS

Mariners are advised that an engineering firm, on behalf of Delaware River Port Authority (DRPA), will be performing inspections at the I-676/US 30 (Ben Franklin) Bridge over Delaware River, mile 100.2, in Philadelphia, PA and Camden, NJ. The inspections will be conducted between June 9, 2016 and July 1, 2016; from 6:30 a.m. to 5 p.m., Monday through Friday. Inspections will be performed by a movable maintenance platform (traveler) and a 24 ft. vessel with a dive team operating under and in the vicinity of the bridge. Inspection personnel, equipment and vessels will relocate from the navigable channel, upon request. The vessel may be reached on VHF-FM channel 13 and (609) 744-1800. The project foreman can be reached at (908) 461-1296 or (215) 264-6009. Mariners are requested to notify the project foreman thirty minutes prior to navigating through the area and should use caution when transiting the area.

Chart 12313 LNM: 22/16

DE/NJ – DELAWARE RIVER COMMODORE BARRY BRIDGE INSPECTION WORK

Underwater bridge inspections will be conducted on the Commodore Barry Bridge, over the Delaware River, from 1 June through 3 June, 2016 and 13 June through 17 June 2016. Diving and sonar work will be conducted during these bridge inspections and will be outside the navigational channel. The dive boat will be monitoring VHF_FM radio channels 16 and 13 at all times. Mariners are advised to proceed with caution when transiting the area.

Chart 12312 LNM: 23/16

NJ – INTRACOASTAL WATERWAY–SANDY HOOK TO LITTLE EGG HARBOR – BRIDGE CLOSURE

The S.R. 88 (Veterans Memorial) Bridge over NJICW (Point Pleasant Canal), mile 3.0, in Point Pleasant, NJ will remain in the closed-to-navigation position to facilitate an urgent repair to the bridge operating machinery. The bridge will remain in the closed-to-navigation position from 9 p.m. on Wednesday, June 14 to 6 a.m. Thursday, June 15, 2016. Mariners able to pass under the bridge in the closed-to-navigation position (31 feet above MHW) may do so, and others should adjust their transits accordingly. Mariners should use caution when transiting the area.

Chart 12324 LNM: 23/16

NJ – MULLICA RIVER - BRIDGE MAINTENANCE

Urgent repairs of the bridge operating machinery on the Green Bank Bridge (Green Bank Road/CR563), at mile 18.0, across Mullica River, at Green Bank, NJ require the bridge to be maintained in the closed-to-navigation position from 7:30 a.m. on June 20 through 3:30 p.m. on June 23, 2016. The vertical clearance of the bridge in the closed position is 5 feet above mean high water and vessels able to safely pass through the bridge in the closed position may do so at any time. The bridge will not be able to open for emergencies and there is no immediate alternate route for vessels to pass. Mariners should use caution when transiting the area.

LNM: 24/16

NJ – ABSECON INLET – DEMOBILIZATION WORK

Great Lakes Dredge & Dock Company is continuing its demobilization work off shore and in Absecon Inlet. Work consists of the retrieval and towing of floating steel pipeline from offshore areas on the north side of Corson's Inlet to the staging area in Absecon Inlet delineated by points "A, B, C, D" on the map attached as Enclosure 6. Once in the staging area, the steel pipe line will be submerged to the bottom. The submerged pipelines will be marked with floating yellow can buoys with flashing yellow lights and will be located well outside the marked navigation channel. As needed, sections of the submerged pipelines will be floated to the work area delineated by points "E, H, I, J". As individual pipe sections are completed in the Derrick Work Area, they will be floated to the Floating Pipe Raft Staging Area delineated by points "E, H, F G". The floating pipe sections will be banded together until a raft is complete. The rafts will be secured with anchors and marked with flashing yellow lights. This work will commence on 01 June and is expect to be complete by 15 July 2016. The Derrick 66, Derrick 68, Tender Tug RL Enterkin, Tender Boat Cavalier State, Tender Boat North Star State and Launch Muskegon River will be on site 7 days per week from 0600 to 1600. The Tug Pops will be on site 24 hours per day, 7 days per week. All vessels will monitor VHF-FM Channels 13 and 16. If you have any questions contact John D. Huit, Project Manager, 630-207-5196, JDHuit@gldd.com.

Chart 12316 LNM: 26/16

NJ – INTRACOASTAL WATERWAY – ATLANTIC CITY – BRIDGE MAINTENANCE

An engineering firm, on behalf of NJDOT, will be performing inspections at the US40-322 (Albany Avenue) Bridge over NJICW (Inside Thorofare), mile 70.0, in Atlantic City, NJ. The inspections will be conducted between June 21 and June 22, 2016; from 8 a.m. to 4:30 p.m. Two work vessels will be under and in the vicinity of the bridge to provide access to the bridge superstructure. Inspection personnel, equipment and vessels will relocate from the moveable span and navigable channel, upon request. Work vessels may be reached on VHF-FM channels 13 and 16. The project foreman can be reached at (717) 715-4621. Mariners are requested to notify the project foreman no less than fifteen minutes prior to navigating the area and should use caution when transiting the area.

Chart 12316 LNM: 23/16

MD– BALTIMORE HARBOR – BRIDGE INSPECTION

An engineering firm, on behalf of the City of Baltimore, will be performing inspections at the SR 173 (Pennington Avenue) Bridge over Curtis Creek,

MD– BALTIMORE HARBOR – BRIDGE INSPECTION

mile 0.9, in Baltimore, MD. The inspection will be conducted between June 23 and July 1, 2016; M-F; from 7 a.m. to 5 p.m. Underwater inspections of the bridge fender system, lower portions of the support piers and depth measurements will be performed by divers. Inspection personnel, equipment, vessels will relocate from the movable span and navigable channel, upon request. The work vessel may be reached on VHF-FM channel 13. The project foreman can be reached at 973-769-3480. Mariners should notify the project foreman at least thirty minutes prior to navigation through the area and should use caution when transiting the area.

Chart 12281 LNM: 24/16

VA/MD/DC - POTOMAC RIVER - MATTAWOMAN CREEK TO - GEORGETOWN – GEORGETOWN CHANNEL – SECURITY ZONE

The annual July 4th Celebration on the National Mall in Washington, D.C. is scheduled to occur on July 4, 2016. As described in Title 33 Code of Federal Regulations Section 165.508, a security zone is established upon the waters of the Georgetown Channel, Potomac River, within 75 yards from the eastern shore measured perpendicularly to the shore, between the Long Railroad Bridge (the most eastern bridge of the 5-span, Fourteenth Street Bridge Complex) to the Theodore Roosevelt Memorial Bridge and all waters in between, totally including the waters of the Georgetown Channel Tidal Basin. This security zone will be enforced from 12:01 a.m. to 11:59 p.m. on July 4, 2016, and is necessary to control vessel traffic for the security and safety of life and property on navigable waters during the event. The effect will be to restrict vessel traffic on certain portions of the Potomac River. Entry into or remaining in this zone is prohibited unless authorized by the Coast Guard Captain of the Port (COTP) Maryland-National Capital Region. Persons or vessels requiring entry into or passage through the security zone must first request authorization from the COTP Maryland-National Capital Region to seek permission to transit the area. The COTP Maryland-National Capital Region can be contacted at telephone number (410) 576-2693. The Coast Guard vessels enforcing this security zone can be contacted on marine band radio Channel 16 VHF-FM (156.8 MHz). Upon being hailed by a U.S. Coast Guard vessel by siren, radio, flashing light, or other means, the operator of a vessel shall proceed as directed. If permission is granted, all persons and vessels must comply with the instructions of the COTP Maryland-National Capital Region and proceed at the minimum speed necessary to maintain a safe course while within the zone. The U.S. Coast Guard may be assisted in the patrol and enforcement of the zone by Federal, State, and local agencies. Address any comments or questions to the Sector Command Center, U.S. Coast Guard Sector Maryland-National Capital Region at (410) 576-2693.

Charts: 12285 12289 LNM: 23/16

MD – CHESAPEAKE BAY - CHESTER RIVER

An engineering firm, on behalf of the Maryland Department of Transportation State Highway Administration, will be performing a bridge stringer replacement project at the S213 (MD213) Bridge across the Chester River, river mile 26.8, at Chestertown, MD. The bridge will be maintained in the closed-to-navigation position between 6 a.m. on February 22, 2016 until 6 p.m. on July 31, 2016. During the closure period the bridge will be able to open for emergencies, if at least six hours notice is given. The vertical clearance of the bridge in the closed position is 12 feet above mean high water and vessels able to safely pass through the bridge in the closed position may do so, after receiving confirmation from the bridge tender that it is safe to transit through the bridge. Mariners should use caution when transiting the area.

Chart 12272 LNM: 22/16

MD – CHESAPEAKE BAY – SEVERN AND MAGOTHY RIVERS - BRIDGE INSPECTION

An engineering firm, on behalf of the Maryland State Highway Administration, will be performing inspections at US 50 (John Hanson Hwy) Bridge over Severn River, mile 4.3, in Annapolis, MD. The inspections will be conducted between April 11, 2016 and June 30, 2016; from 7 a.m. to 5 a.m. A barge will perform inspections weekdays from the hours of 7 a.m. to 5 p.m. A snooper truck will be performing inspections weeknights from 10 p.m. to 5 a.m. Inspection personnel, equipment and vessels will relocate from the navigable channel, upon request. The barge may be reached on VHF-FM channel 13. The project foreman can be reached at 202-270-5807 or 571-212-9266 or 443-243-4067. Mariners are requested to notify the project foreman fifteen minutes prior to navigation through the area and should use caution when transiting the area.

Chart 12282 LNM: 14/16

MD - CHESAPEAKE BAY – SANDY POINT TO SUSQUEHANNA RIVER – PARAFOIL TOWING OPERATIONS

Mariners are advised that waterway operations that include the towing of a tethered airborne platform in the Upper Chesapeake Bay are scheduled to occur from 28 March 2016 through 03 July 2016. The 65-foot MV SUZANNE will periodically tow an airborne parafoil aloft to an altitude of less than 500 feet from the vessel in an area to the NNE of the Brewerton Channel Eastern Extension, to the WNW of the Tolchester Channel, and to the SSE of Hart-Miller Island. Questions or concerns may be directed to the Maritime Applied Physics Corporation at telephone (443) 524-3330 (Ext. 118), or U. S. Coast Guard Sector Baltimore at (410) 576-2674 or (410) 576-2693.

Charts: 12273 12278 LNM: 14/16

MD – CHESAPEAKE BAY- CHESTER RIVER – KENT ISLAND NARROWS NORTH APPROACH - SHOALING

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

Chart 12272 LNM: 12/16

MD- CHESAPEAKE BAY - HARRIS CREEK - OYSTER REEF RESTORATION

The U.S. Army Corps of Engineers and Maryland Department of Natural Resources have placed rock and shell at 66 sites to restore oyster reef habitat in Harris Creek in Talbot County, MD. In those areas, water depths are 1 ft to 2 ft shallower than what is currently shown on navigational charts. Please be vigilant when navigating through these areas. Oyster Reef locations may be seen on Enclosure 7. A general map, finer scale maps, and coordinates of the restoration areas are available at
http://www.nab.usace.army.mil/Missions/Environmental/OysterRestoration.aspx
Contact the USACE Project Manager, Anna Compton - 410-962-4633 or anna.m.compton@usace.army.mil for further information.

Charts: 12266 12270 LNM: 17/16

MD – FENWICK ISLAND TO CHINCOTEAGUE INLET– OCEAN CITY INLET - US 50, HARRY W. KELLY MEMORIAL BRIDGE

MD – FENWICK ISLAND TO CHINCOTEAGUE INLET– OCEAN CITY INLET - US 50, HARRY W. KELLY MEMORIAL BRIDGE

The US 50 (Harry W. Kelly Memorial) Bridge over Isle of Wight (Sinepuxent) Bay, mile 0.5, in Ocean City, MD will remain in the closed-to-navigation position to accommodate increased vehicular traffic of the 2016 Ocean City Air Show. The bridge will remain in the closed position from 3:55 p.m. to 4:55 p.m. on Saturday June 18 and Sunday June 19, 2016. Mariners able to pass under the closed span (13 feet above Mean High Water) may do so, and all others should adjust their transits accordingly. Mariners should use caution when transiting the area.

Chart 12211 LNM: 24/16

MD - PATUXENT RIVER - POINT PATIENCE - TEMPORARY MOORING BUOY

On or about 10 May 2016, Coastal Design will temporarily establish a mooring buoy to support work barges conducting in the vicinity of Point Patience on the Patuxent River. The mooring buoy will be white with a blue band, rise 3 feet above the waterline, and be discontinued on or about July 8, 2016.

Point Patience Temporary Mooring Buoy 38 19 48N 076 28 48W.

Chart 12284 LNM: 19/16

MD - FENWICK ISLAND TO CHINCOTEAGUE INLET - SINEPUXENT BAY – SHOALING

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.

Chart 12211 LNM: 18/16

MD – OCEAN CITY AIR SHOW – RESTRICTED AREA

In support of activities associated with the annual Ocean City Air Show, scheduled from June 16 to June 19, 2016, eight (8) yellow buoys will be established to mark the restricted/event area located offshore of the beach viewing area. This area spans approximately from Talbot Street through 33rd Street in Ocean City, MD.

Ocean City Air Show buoys:
North West Corner 38 21 37.71N—75 04 03.86W
North Center 38 21 32.06N—75 03 46.35W
North East Corner 38 21 26.72N—75 03 28.71W
East Center 38 20 30.82N—75 03 53.56W
South East Corner 38 19 34.77N—75 04 18.82W
South Center 38 19 39.89N—75 04 36.22W
South West Corner 38 19 45.21N—75 04 54.16W
West Center 38 20 41.69N—75 04 28.72W
Two additional Ocean City Air Show event buoys:
Center Marker 38 20 36.25N—75 04 11.16W
Bomb Burst 38 20 17.23N—75 04 19.96W

Chart 12211 LNM: 22/16

VA – FENWICK ISLAND TO CHINCOTEAGUE ISLAND – TEMPORARY RESEARCH BUOYS

Between 6 June and 24 Jun 2016 the Chincoteague Bay Field Station will be establishing three temporary unlit research buoys at the entrance to and within Chincoteague Bay. The buoys will be yellow with yellow reflective tape and will be established in the following approximate positions:
CBFS Temporary Buoy A 37-53-06.4N, 075-24-53.5W
CBFS Temporary Buoy B 37-50-42.9N, 075-25-05.6W
CBFS Temporary Buoy C 38-00-06.7N, 075-22-46.6W

Chart 12221 LNM: 22/16

VA – CHESAPEAKE BAY – CAPE HENRY TO THIMBLE SHOAL LIGHT

Amphibious Construction Battalion 2 (ACB-2) will utilizing Anzio Beach Training Area, Joint Expeditionary Base Little Creek, ANZIO beaches 2, 3 and 4 located at 36.92'6 N 076.16'4 W from March to June of 2016 for marine construction operations. ELCAS(M) piers will be assembled and extend 880ft into the Chesapeake Bay. Operations will be conducted from 5:00 am to midnight. For further information please contact LT John Brayman (john.brayman1@navy.mil), LT Jonathan Castin (jonathan.castin@navy.mil) or LT Brackery Battle (brackery.battle@navy.mil).

Chart 12254 LNM: 19/16

VA – CHESAPEAKE BAY-CAPE CHARLES TO NORFOLK HARBOR - BRIDGE MAINTENANCE - CHESAPEAKE BAY BRIDGE TUNNEL

An engineering firm, on behalf of Chesapeake Bay and Tunnel District, will be performing maintenance at US 13 (Chesapeake Bay Bridge Tunnel) Bridges over Chesapeake Bay (Fishermans Inlet), mile 6.0, in Cape Charles, VA. The maintenance will be conducted between May 2, 2016 and June 25, 2016; Monday-Friday; from 7 a.m. to 5 p.m. Repair of the bridge fendering system will occur. Work boats and two barges will be in and around the vicinity of the navigable channel. 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) 374-1611. Mariners should notify the project foreman no less than one hour prior to navigating through the area and should use caution when transiting the area.

Charts: 12222 12224 LNM: 24/16

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,

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

small boat operations consisting of four to seven boats, beach landing craft, helicopter air drops and recovery.
Naval Anchorage Area A and B, 06 - 09 June 2016. Between the hours of 8:00 am and midnight.
Naval Anchorage Area A and B, 13 - 17 June 2016. Between the hours of 7:00 am and midnight.
Naval Anchorage Area A and B, 21 June 2016. Between the hours of 4:00 pm and midnight.
Military Operations will be conducted in the following areas during the dates and times listed. Operations may consist of Unmanned Arial Vehicles, small boat operations with numerous boats, helicopter air drops and recovery.
Naval Anchorage Area A, 07 - 10 Jun 2016. Continuous.
Naval Anchorage Area A, 11 - 16 Jun 2016. Between the hours of 9:00 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 – CHAPE CHARLES TO NORFOLK HARBOR – DREDGEING

Great Lakes Dredge & Dock Company, LLC (GLDD) will commence mobilization activities on or about July 5, 2016 for the Willoughby Spit Beach Nourishment Project. Mobilization activities will include towing attendant plant and pipeline rafts approximately 780ft in length by approximately 40ft in width from Chesapeake, VA via the Elizabeth River through the southern Chesapeake Bay to a temporary mooring location offshore of East Ocean View, VA. Assembly of submerged pipeline, temporary mooring of Derrick barge, Anchor Barge, pipeline and additional auxiliary equipment will be staged offshore of East Ocean View, VA between (36.9508996N, 076.1936365W), (36.95076521N, 076.18679427W), (36.9454080N, 076.1938037W), (36.9452736N, 076.1869619W). Equipment will be anchored and lighted within the staging area, boaters should avoid this area. Submerged pipeline will be placed in several areas extending from offshore Chesapeake Bay to the beach, from Little Creek Inlet to Willoughby Spit (see attached drawing for approx. submerged pipeline locations). Flexible floating pipeline attached to a yellow cube will be on the water's surface. This pipeline is connected to the seaward end of the submerged pipeline. All pipelines will be marked with flashing yellow lights and orange buoys (see Enclosure 8). Boaters should avoid these areas. The hopper dredges M/V DODGE ISLAND and M/V PADRE ISLAND will commence dredging operations in the north Thimble Shoal Auxiliary Channel (between coordinates (36.9684609N, 076.0787964W),(36.9576619N, 076.0371174W), (36.9672846N, 076.0792693W), (36.9564858N, 076.0375909W) and in the south Thimble Shoals Auxiliary Channel (between coordinates (36.9646707N, 076.0803203), (36.9538722N, 076.0386432W), (36.9634944N, 076.0807932W), (36.9526961N, 076.0391167W)) late July 2016, they may be contacted on VHF-FM channel 13 or 16. Dredged material will be transported to the pumpout stations offshore of the project area by hopper dredge via sail routes extending from Thimble Shoal Channel at approx. (36.9864054N, 076.1648427W) and approx. (36.97335528N 076.11439826W). Dredged material will be pumped to the beach through various submerged pipelines landing on the beach from Little Creek Inlet to Willoughby Spit. Should you have any questions concerning this project, please contact Site Manager, Matt Ferrell at (630) 248-4078.

Charts: 12222 12245 12254 12280 LNM: 24/16

VA– HAMPTON ROADS - HAMPTON ROADS BRIDGE TUNNEL - BRIDGE INSPECTION

VDOT will be performing inspections at the I-64/US 60 Westbound, Hampton Roads Bridge Tunnel Bridge over Hampton Roads, mile 0.0, in Norfolk, VA. The inspection will be conducted between 20 June and 26 June 2016; from 8 a.m. to 11:59 p.m. The inspection team will conduct load testing of the concrete beams. Two barges and a tug will be in the vicinity of the bridge. The inspection personnel, equipment and vessels will not be able to relocate from the area. These vessels may be reached on VHF-FM channel 13. The project foreman can be reached at (757) 536-7006 or (757) 925-1665. Mariners should use caution when transiting the area.

Chart 12245 LNM: 23/16

VA – CHESAPEAKE BAY – ELIZABETH RIVER – DREDGING OPERATIONS

Cottrell Contracting Corporation of Chesapeake, VA advises that the dredge ROCKBRIDGE will be conducting dredging operations in various locations within the Elizabeth River between Elizabeth River Lighted Buoy 7 (LLNR 8475) and Elizabeth River Channel Lighted Buoy 25 (LLNR 9710). Operations will take place 24 hours a day 7 days a week and concerned mariners may contact the dredge on VHF-FM 13 & 16. Operations are expected to be completed on or about 15 July, 2016.

Chart 12245 LNM: 22/16

VA – NORFOLK HARBOR AND ELIZABETH RIVER - BRIDGE MAINTENANCE

The Norfolk Southern Corporation will be conducting maintenance on the Norfolk and Western railroad bridge (Norfolk Southern V6.8 Bridge) across the South Branch of the Elizabeth River, river mile 3.6, between Portsmouth and Chesapeake, VA. The bridge will remain in the closed-to-navigation position from 7 a.m. to 11:30 a.m. and 12:30 p.m. to 5 p.m. from June 6 through June 9, 2016, June 13 through June 16, 2016, and June 20 through June 23, 2016. The bridge will be able to open for emergencies during the maintenance period and the vertical clearance of the bridge in the closed position is 10 feet above mean high water. During the closure there will be limited opportunity for vessels able to safely pass through the bridge in the closed position. Vessels able to safely pass through the bridge in the closed position may do so, after receiving confirmation from the bridge tender that it is safe to transit through the bridge.

Chart 12253 LNM: 22/16

VA - SHOALING IN THE RUDEE INLET CHANNEL

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

Charts: 12205 12207 12208 12221 LNM: 10/16

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

The North Landing Bridge at mile 20.2 on the Atlantic Intracoastal Waterway was struck again by a towing vessel on the afternoon of the 4th of

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

June 2016. Due to this allision only the North span of the double swing span system will operate per 33 CFR 117.1021 with 38 feet of available horizontal clearance. The horizontal clearance of the bridge with the south span partially open-to-navigation is 70 feet. The north span of the bridge is fully operational and the south span of the bridge is limited in operational capability. The north span of the bridge will open-to-navigation on the hour and half hour, upon request, from 6 a.m. to 7 p.m., and on demand from 7 p.m. to 6 a.m. The north span of the bridge will open-to-navigation and the south span of the bridge will partially open-to-navigation, upon request, for scheduled openings at 9:30 a.m. for two-way vessel traffic through the bridge; seven days a week, Monday through Sunday. This schedule will be maintained until permanent repairs can be completed on or about 1 Oct 2016. The vertical clearance of the bridge in the closed position is 6 feet above mean high water and vessels able to safely pass through the bridge in the closed position may do so, after receiving confirmation from the bridge tender that it is safe to transit through the bridge. We request that mariners exercise extreme caution while in the vicinity of the bridge. Should you have any questions or concerns regarding this matter, contact USCG Sector Hampton Roads, Waterways Management Division at (757) 668-5580 or HamptonRoadsWaterway@uscg.mil.

Chart 12206 LNM: 12/16

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

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

Chart 12204 LNM: 17/16

NC – CURRITUCK BEACH LIGHT TO WIMBLE SHOALS - BRIDGE MAINTENANCE

An engineering firm, on behalf of the NCDOT, will be performing maintenance at US 64/US 264 (William B. Umstead Memorial) Bridge over Croatan Sound, mile 2.0, in Mann's Harbor, NC. The maintenance will be conducted between May 24, and Sept 1, 2016; Monday-Friday; from 7 a.m. to 5 p.m. Replacement of the bridge fendering system will occur. Two barges with several small floats will be in or the vicinity of the bridge. Maintenance personnel, equipment and vessels will relocate from the navigable channel, upon request. The project superintendant and work vessels may be reached on VHF-FM channel 13 or (910)-340-3666. Mariners should notify the project superintendant no less than one hour prior to navigation through the bridge and use caution when transiting the area.

Chart 12204 LNM: 21/16

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

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

Chart 12205 LNM: 18/16

NC – GALLANTS CHANNEL – BRIDGE CONSTRUCTION

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

Chart 11545 LNM: 12/16

NC – BEAUFORT INLET- DREDGING

The DUTRA Group will conduct dredging operations in Beaufort Inlet between 15 June and 15 Sept 2016. The project includes the dredging of channels, Range A and Range B. Dan Marine Towing will be operating the tug COLONEL along with the barge PAULA LEE and 2 dump scows 24/7. Mariners are strictly cautioned to comply with the Rules of the Road when approaching, passing and leaving the area, and shall remain at a safe distance away from the dredge and related equipment. The tug operator will be standing by on channels 13 and 16 VHF. Traffic should call 30 minutes prior to expected time of passage. For all other questions involving dredge operations please call (415) 717-7214.

Chart 11547 LNM: 23/16

NC – ATLANTIC COAST - ONSLOW BAY - ECU WAVE GLIDER RESEARCH

On June 7, 2016 Scientists at the Institute for Coastal Science and Policy at East Carolina University (ECU) launched an Ocean Wave Glider which will operate remotely from approximately 1 nautical mile out to 14 nautical miles offshore in the waters of Barden Inlet and Bogue Inlet in Onslow Bay. The Ocean Wave Glider will be retrieved on or about June 17, 2016. The Ocean Wave Glider will be actively monitored by ECU and is approximately 8 feet in length and sits low in the water with a sail height of 2 to 3 feet. It is well marked as ECU property and contains an all around white light and an active radar reflector. For additional information please contact Joseph Luczkovich at 252-328-9402 or luczkovichj@ecu.edu or visit http://www.joeluczkovich.com/uploads/5/1/3/4/51343369/awg_data_sheet.pdf.

Chart 11543 LNM: 24/16

NC – ATLANTIC COAST - ONSLOW BAY -– ARTIFICIAL FISHING REEF SITE

On May 7, 2016 the NC Division of Marine Fisheries sank two vessels in the Artificial Fishing Reef Site 330. The Division of Marine Fisheries reports that the vessels have settled providing clearance of at least 15 feet for Artificial Fishing Reef Site 330. Interested mariners may contact NC Division of Marine Fisheries, Artificial Reef Coordinator at 252-726-7021 for further information.

Chart 11543 LNM: 19/16

NC – ALBERMARLE SOUND TO SUNSET BEACH – ATLANTIC INTRACOASTAL WATERWAY (AICW) – BRIDGE REPLACEMENT

The purpose of this notice is to notify mariners, adjacent property owners, and government agencies that the North Carolina Department of Transportation proposes to replace the NC 50/210 (Topsail Island) Bridge at AICW mile 260.7, at Surf City, Pender County, NC. Presently, in the closed position to vessels, the charted vertical clearance of the existing drawbridge is 13 feet above mean high water (MHW) and unlimited vertical clearance in the full open position, with 92 feet of horizontal clearance between the fenders. The proposed replacement would be a fixed bridge that will provide a vertical clearance of 65 feet above MWH, with a horizontal clearance of 120 feet. The bridge piers would be designed for vessel impact with no fender system to be constructed. Comments should be forwarded to the above address attention (dpb) no later than July 8, 2016. Copies of Public Notice 5-1364 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.

Chart 11541 LNM: 24/16

NC – ATLANTIC COAST INTRACOASTAL WATERWAY – FIGURE EIGHT ISLAND SWING BRIDGE - MAINTENANCE - MILE MARKER 278

D. Evans Contracting will be conducting an inspection and maintenance on the Figure Eight Island Swing Bridge fender system located at mile marker 278 on the Atlantic Intracoastal Waterway in New Hanover County, NC. Maintenance crews will be working from a 30' by 40' barge located outside of the navigation channel during low tides, in daylight hours seven days a week from June 7 until July 1, 2016. D. Evans Contracting work boats will operating in and around the bridge during this project. Mariners are encouraged to transit this area with caution and requested to travel at no wake speeds. The onsite supervisor can be contacted via VHF Channel 13 to make passing arrangements or by phone at (910) 520-3369 for further information.

Chart 11541 LNM: 23/16

NC - HAZARD TO NAVIGATION-ATLANTIC OCEAN IVO WRIGHTSVILLE BEACH

The U. S. Coast Guard will be enforcing a Safety Zone on the waters of the Atlantic Ocean within a 400 yard radius of position latitude 34°14'00" n, longitude 077°43'33" w, approximately 2 nm off of Wrightsville Beach, NC from 7:00 am on June 12 through 9:00 pm on June 19, 2016. This action is necessary to provide for the safety of mariners on navigable waters during the salvage of aircraft debris from the ocean bottom. Vessels may not enter, remain in or transit through the safety zone during the enforcement period unless authorized by the Coast Guard Captain of the Port, or on scene designated patrol personnel. Mariners should transit this area with caution. The Captain of the Port may be contacted via telephone at (910) 343-3882 or by radio on VHF-FM marine band radio, channels 13 and 16.

Charts: 11520 11539 11541 LNM: 19/16

NC – LOCKWOODS FOLLY (AICW MILE MARKER 321) – SHOALING

Mariners are advised that an area of shoaling exists at AICW mm 321 in the vicinity of Lockwoods Folly inlet at Cape Fear River-Little River buoy 47 (LLNR 40225). A 300 yard shoal extends across the federal channel with depths varying from 1 to 5 feet at mean low water. Buoys have been placed to mark deeper water around this shoal. Mariners are highly recommended to transit this area with caution at slow no wake speeds and do so at high tide.

Chart 11534 LNM: 21/16

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

NOAA Ship Ferdinand R. Hassler (S-250) will be conducting hydrographic survey operations at the approach to Wilmington, NC, in the vicinity of Frying Pan Shoals from June 20th to September 30 2016. Ferdinand R. Hassler is a 123-foot, white-hulled survey vessel; the ship has NOAA markings, can be identified on AIS, and will be monitoring VHF channels 13 and 16. Survey operations will be conducted 24-hours a day. Mariners are requested to exercise caution when transiting the operational area. There will be two modes of survey operations, which may happen simultaneously. Survey modes include; ship survey with or without towed sensors and surveys from a 28 foot launch. When towed hydrographic instrumentation is deployed, Ferdinand R. Hassler will be restricted in her ability to maneuver. Questions or concerns can be addressed to the ship's Field Operations Officer via phone at: (603) 812-8748 or email at: ops.ferdinand.hassler@noaa.gov

Chart 11536 LNM: 21/16

NC – CAPE FEAR RIVER - CITY OF WILMINGTON - 4TH OF JULY CELEBRATION - SAFETY ZONE

The "City of Wilmington 4th of July Celebration" fireworks display will be held on July 4, 2016 at 7:00 PM to 10:00 PM. A safety zone will be in effect on all waters of the Cape Fear River within an area bound by a line drawn from the following points: latitude 34°13'54- N., longitude 077°57'06- W.; thence northeast to latitude 34°13'57- N., longitude 077°57'05- W.; thence north to latitude 34°14'11- N., longitude 077°57'07- W.; thence northwest to latitude 34°14'22- N., longitude 077°57'19- W.; thence east to latitude 34°14'22- N., longitude 077°57'06- W.; thence southeast to latitude 34°14'07- N., longitude 077°57'00- W.; thence south to latitude 34°13'54- N., longitude 077°56'58- W.; thence to the point

NC – CAPE FEAR RIVER - CITY OF WILMINGTON - 4TH OF JULY CELEBRATION - SAFETY ZONE

of origin, located approximately 500 yards north of Cape Fear Memorial Bridge. The fireworks will be launched from a barge that will be marked with signs labeled "DANGER" "FIREWORKS" "STAY AWAY". Vessels may not enter, remain in or transit through the safety zone during the enforcement period unless authorized by the Coast Guard Captain of the Port, or designated Coast Guard patrol personnel on scene. All persons and vessels shall comply with the instructions of the Captain of the Port or the designated on-scene-patrol personnel, and upon being hailed by siren, radio, flashing light or other means, the operator of a vessel shall proceed as directed. For any comments or questions, contact the Marine Event Coordinator at Coast Guard Sector North Carolina, (910) 772-2221, or at NCMarineEvents@uscg.mil.

Chart 11537 LNM: 23/16

NC - CAPE FEAR RIVER – PORT OF WILMINGTON – DREDGING

The Bucket dredge VIRGINIAN and auxiliary equipment will begin arriving on or about 14 June 2016 at the Port of Wilmington, NC, Lower Anchorage Basin and Kinder Morgan Liquid Bulk Pier on the Cape Fear River to complete dredging operations. The project is expected to continue until approximately 30 August, 2016.The Dredge Operator will standby on channels 13 and 16 VHF-FM. Traffic should call 30 minutes prior to expected time of passage. All mariners are requested to stay clear of the dredge, barges, derricks and operating wires about the dredge. Operators of vessels of all types should be aware that the barges 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. Mariners are cautioned to strictly comply with the Rules of the Road when approaching, passing and leaving the area of operations, and remain a safe distance away from the dredge, buoys, cables, barges, derricks, wires and related equipment.

Chart 11537 LNM: 23/16

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	
1450	*Cape May Inlet Lighed Wreck Buoy WR6*	38-56-22.111N 074-51-55.483W	Q R		4	Red.		24/16
*	*	*	*	*	*	*	*	
2505	BAKER RANGE FRONT LIGHT	39-30-42.295N 075-33-59.818W	Fl W 2.5s	15		On mult-pile structure.	Lighted throughout 24 hours. DAY: Visible 1.5° either side of rangeline. NIGHT: Visible all around; higher intensity 1.5° either side of rangeline	24/16
							*	
4410	Indian River Inlet Buoy 14	38-36-24.162N 075-05-16.220W				Red nun.		24/16
		*						
14983	Broad Creek Channel Buoy 6A	37-33-41.655N 076-18-50.444W				Red nun.		24/16
*	*	*	*	*	*	*	*	
23280	BIG ANNEMESSEX RIVER LIGHT 1BA	38-03-09.668N 075-52-09.630W	Fl G 2.5s	18	4	SG on pile.		24/16
	*							
23300	BIG ANNEMESSEX RIVER LIGHT 6	38-03-22.094N 075-48-16.441W	Fl R 4s	15	4	TR on pile.		24/16
				*	*			
25190	Choptank River Channel Daybeacon 43	38-40-59.301N 075-58-23.601W				SG on pile.		24/16
		*						
29945	New River Channel Daybeacon 53						Remove from list.	24/16
							*	

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks	
34880	Town Creek Channel Daybeacon 1						Remove from list. *	24/16
39085	BOGUE SOUND - NEW RIVER LIGHT 46C	34-41-04.420N 077-07-24.546W *	Q R	17	4	TR-TY on pile.		24/16

PUBLICATION CORRECTIONS

None

ENCLOSURES

Enclosures

1. Summary of Bridge Regulations/Construction/Permits.
2. Summary of Dredging and Construction.
3. Summary of Marine Events.
4. Summary of Coast Guard Sector North Carolina shoaling/waterway projects.
5. Summary of Coast Guard Sector Hampton Roads shoaling/waterway projects.
6. Map of Absecon Inlet showing GLDD Staging areas.
7. Harris Creek Oyster Reef Restoration sites.
8. Map of GLDD Willoughby Spit Beach Nourishment Project.

SUMMARY OF D5 BRIDGE PERMITS/REGULATIONS/CONSTRUCTION

(Yellow indicates new item)

CURRENT PROJECTS

Permits:

SECTOR MARYLAND-NATIONAL CAPITAL REGION

- ***Maryland*** - None
- ***Washington DC***
  Anacostia River – Frederick Douglass Memorial/South Capitol Street (swing) Bridge – District of Columbia Department of Transportation is proposing to replace the existing drawbridge with a new fixed bridge at essentially the same location. The replacement project will modify the existing vertical and horizontal clearance of the bridge. Presently, in the closed position to vessels, the charted vertical clearance of the existing swing-type bridge is 40 feet above MHW, with unlimited vertical clearance in the full open position. The existing horizontal clearance is two channels of 149 feet each. The proposed replacement will be a fixed bridge that will provide a vertical clearance of 42 feet above MHW with a proposed horizontal clearance of 150 feet.
- ***Virginia (Northern)***
  Potomac River – US 301/Harry W. Nice Memorial (fixed) Bridge Crossing - Study underway to consider rehabilitation or replacement of existing bridge. Draft FONSI has been released. MDTA is developing Navigation Evaluation to propose navigational clearances.

SECTOR DELAWARE BAY

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

SECTOR HAMPTON ROADS

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

SECTOR NORTH CAROLINA

- ***North Carolina* - None**

Regulations:

SECTOR MARYLAND-NATIONAL CAPITAL REGION

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

SECTOR DELAWARE BAY

- ***Delaware –***
  Broad Creek – Norfolk Southern Swing Bridge - Effective on June 27, 2016, the Coast Guard is changing the drawbridge operating regulation of the Norfolk Southern Railroad Bridge over Broad Creek, at mile 8.0, in Laurel, DE. This change alters the current regulation requiring a four advance notice and allows the bridges to remain in the closed position for the passage of vessels. A copy of the Docket USCG-2015-1101 published in the Federal Register on May 27, 2016 as a final rule.
- ***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) -
Black Narrows & Lewis Creek Channel – SR 175 (bascule) Bridge – The Coast Guard modified the operating schedule that governs the SR 175 Bridge across Lewis Channel and Black Narrows, mile 3.5 at Chincoteague, VA. The change eliminates the need for the current operating schedule and returns the bridge to open on demand. The change does not include the last consecutive Wednesday and Thursday in July for the annual Pony swim. A copy of the Docket USCG-2014-0483 published in the Federal Register on April 11, 2016 as a final rule.

SECTOR NORTH CAROLINA

- ***North Carolina*** - None

Construction, et al:

SECTOR MARYLAND-NATIONAL CAPITAL REGION

- ***Maryland***
  Susquehanna River – US 40 & I-95/Hayden & Tydings (fixed) Bridges – Foundation and substructure repairs are in progress through 2016.
  Susquehanna River – I-95 Millard E Tydings Memorial (fixed) Bridge – Cleaning, painting, and repairs are in progress through August 2017. During daylight hours Monday through Saturday a barge and crew boat will be working in various locations near the structure and a debris shield will be secured to the lower truss member

throughout the bridge but will not affect navigational clearances.
Curtis Creek – I-695 Baltimore Beltway (fixed portions) Bridge – Painting work is scheduled to continue through the fall of 2016. To facilitate the work, a platform will reduce the available vertical clearance outside the channel to 49 feet above MHW.
Potomac River – Arlington Memorial Bridge - Mariners are advised that emergency concrete and steel repairs will be conducted from August 17, 2015 until July 1, 2016. Work will be completed from a barge anchored in and around the navigable channel and will be relocated outside the channel during non-working hours. The bridge has a vertical clearance of 30 feet at MHW and a horizontal clearance of 142 feet when unobstructed. Mariners should exercise extreme caution when transiting the area.
Choptank River - MD 331/Dover (fixed) Bridge – CG Bridge Permit signed by CGHQ on September 16, 2014. Maryland State Highway Administration is constructing a new fixed single-span concrete bridge, adjacent to the existing swing bridge to be completed in August 2016. The existing swing bridge will be retained for historic purposes and placed in the open position to navigation. The new bridge will have a vertical clearance of 48.5 feet above mean high water (MHW) and a horizontal clearance with two separate 80-foot channels between face of pilings.
Chester River - S213 (MD213) Bridge - The bridge will be maintained in the closed-to-navigation position between 6 a.m. on February 22, 2016 until 6 p.m. on July 31, 2016 to facilitate a bridge stringer replacement project. During the closure period the bridge will be able to open for emergencies, if at least six hours notice is given. The vertical clearance of the bridge in the closed position is 12 feet above mean high water and vessels able to safely pass through the bridge in the closed position may do so, after receiving confirmation from the bridge tender that it is safe to transit through the bridge. Mariners should use caution when transiting the area.
South River - MD-2 (South River) Bridge - Underwater inspections will be conducted between April 1, 2016 and June 15, 2016; from 8:30 a.m. to 4:30 p.m. A 25' work boat and dive team will be on site. Inspection personnel, equipment and vessels will relocate from the navigable channel, upon request, to facilitate safe navigation through the bridge. The work boat may be reached on VHF-FM channel 13. The project foreman can be reached at (410) 877-5016. Mariners should use caution when transiting the area.
Wicomico River - US 50 BUS (Ocean Gateway) Bridge – Underwater inspections will be conducted between April 1, 2016 and June 15, 2016; from 8:30 a.m. to 4:30 p.m. A 25' work boat and dive team will be on site. Inspection personnel, equipment and vessels will relocate from the movable span and navigable channel, upon request, to facilitate safe navigation through the bridge. The work boat may be reached on VHF-FM channel 13. The project foreman can be reached at (410) 877-5016. Mariners should use caution when transiting the area.
Cambridge Creek - S342 (MD-795) (Market Street) Bridge - Underwater inspections will be conducted between April 1, 2016 and June 15, 2016; from 8:30 a.m. to 4:30 p.m. A 25' work boat and dive team will be on site. Inspection personnel, equipment and vessels will relocate from the movable span and navigable channel, upon request, to facilitate safe navigation through the bridge. The work boat may be reached on VHF-FM channel 13. The project foreman can be reached at (410) 877-5016. Mariners should use caution when transiting the area.
Pocomoke River - MD-12 (Pocomoke River) Bridge – Underwater inspections will be conducted between April 1, 2016 and June 15, 2016; from 8:30 a.m. to 4:30 p.m. A 25' work boat and dive team will be on site. Inspection personnel, equipment and vessels will relocate from the movable span and navigable channel, upon request, to facilitate safe navigation through the bridge. The work boat may be reached on VHF-FM channel 13. The project foreman can be reached at (410) 877-5016. Mariners should use caution when transiting the area.
Choptank River - US 50 (Ocean Gateway) Bridge – Underwater inspections will be conducted between April 1, 2016 and June 15, 2016; from 8:30 a.m. to 4:30 p.m. A 25' work boat and dive team will be on site. Inspection personnel, equipment and vessels will relocate from the navigable channel, upon request, to facilitate safe navigation through the bridge. The work boat may be reached on VHF-FM channel 13. The project foreman can be reached at (410) 877-5016. Mariners should use caution when transiting the area.
Kent Island Narrows - MD-18B (Main Street) Bridge and US 50/301 (Blue Star Memorial Highway) Bridge – Underwater inspections will be conducted between April 1, 2016 and June 15th, 2016, from 8:30 a.m. to 4:30 p.m. A 25' boat work boat and dive team. Inspection personnel, equipment and vessels will relocate from the movable span and navigable channel, upon request, to facilitate safe navigation through the bridge. The work boat may be reached on VHF-FM channel 13. The project foreman can be reached at (410) 877-5016. Mariners should use caution when transiting the area.
Severn River - US 50 (John Hanson Hwy) Bridge - Inspections will be conducted between April 11, 2016 and June 30, 2016; from 7 a.m. to 5 a.m. A barge will perform inspections weekdays from the hours of 7 a.m. to 5 p.m. A snooper truck will be performing inspections weeknights from 10 p.m. to 5 a.m. Inspection personnel, equipment and vessels will relocate from the navigable channel, upon request. The barge may be reached on VHF-FM channel 13. The project foreman can be reached at 202-270-5807 or 571-212-9266 or 443-243-4067. Mariners are requested to notify the project foreman fifteen minutes prior to navigation through the area and should use caution when transiting the area.
Curtis Creek - SR 173 (Pennington Avenue) Bridge - Inspections will be conducted between May 16, 2016 and June 30, 2016; Monday- Friday from 9 a.m. to 3 p.m. The inspection team will perform inspections of the upper portions of the bridge by snooper truck and the lower portion of the piers by work vessel. Inspection personnel, equipment will relocate from the movable span and navigable channel, upon request. The work vessels will be monitoring VHF-FM channels 13 and 16. The project foreman can be reached at (443) 834-6291. Mariners should notify the project foreman at least twenty minutes prior to navigation through the area and should use caution when transiting the area.
Isle of Wight (Sinepuxent) Bay - US 50 (Harry W. Kelly Memorial) Bridge - Bridge will remain in the closed-to-navigation position to accommodate increased vehicular traffic of the 2016 Ocean City Air Show. The bridge will remain in the closed position from 3:55 p.m. to 4:55 p.m. on Saturday June 18 and Sunday June 19, 2016.

Mariners able to pass under the closed span (13 feet above Mean High Water) may do so, and all others should adjust their transits accordingly. Mariners should use caution when transiting the area.

- ***Washington DC*** –
  Potomac River – Arlington Memorial Bridge - Mariners are advised that emergency concrete and steel repairs will be conducted from August 17, 2015 until July 1, 2016. Work will be completed from a barge anchored in and around the navigable channel and will be relocated outside the channel during non-working hours. The bridge has a vertical clearance of 30 feet at MHW and a horizontal clearance of 142 feet when unobstructed. Mariners should exercise extreme caution when transiting the area.
  Potomac River - Francis Scott Key (fixed) Bridge - DDOT has completed a design for rehabilitation. This work commenced in May 2015 and is scheduled to continue for two years (OOA May 2017). Most of the work has to do with repairing cracks on the concrete arches, floor beams, piers and abutments, and repairing some deterioration of the underside of the bridge deck.
  Washington Channel – Francis Case Bridge - Scaffolding will be installed on the bridge from December 5, 2015 until August 1, 2016. The charted vertical clearance of the bridge is 18 feet above mean high water and the scaffolding will restrict the vertical clearance by 4 feet, leaving a vertical clearance of 14 feet available. Red quick flashing lights will be installed every 10 feet to mark the edge of the scaffolding. Mariners should exercise extreme caution when transiting the area.
  Potomac River – Washington DC Long Bridge – Maintenance will be performed on the bridge between March 10, 2016 and March 28, 2017. There is no pier work or work over the navigational channel. Mariners should use extreme caution when transiting the area.
  Virginia (Northern) **- None**

SECTOR DELAWARE BAY

- ***Delaware***
  Brandywine Creek - Smiths Bridge Road bridge - Maintenance will be conducted between June 1, 2016 and July 15, 2016; Monday-Friday, from 7 a.m. to 5 p.m. A work access platform will be positioned below the bridge while abrasive blasting and painting occur. The project foreman can be reached at (410) 599-6522 or (302) 290-3824. Mariners should use caution when transiting the area.
- ***New Jersey (Central & Southern)***
  Delaware River – Commodore Barry (fixed) Bridge – To facilitate painting, work will continue until March 2016. 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). 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.
  ICW – Manahawkin Bay – State Route 72 (fixed) Bridges **–** Construction work will continue from December 2015 through February 2016 in the vicinity of the existing and new Route 72 Bridges. The existing navigation channel will remain clear during the project except from December 10, 2015 until December 24, 2015 when the channel width will be restricted by 30 feet for a lighted work barge. The bridge will have a 55 feet vertical clearance above mean high water (MHW) over the navigational channel and a 100 feet horizontal clearance between fender systems when complete. The construction operations will include removal of work trestles, fender installation, and lighting installation. Tugboats and barges will be used and will monitor VHF Channel 13 in the event that mariners need to contact the contractor. 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.
  Cape Island Creek - CR 633 (Lafayette St./Shellengers Landing) bridge - Maintenance will be conducted between May 23, 2016 and July 1, 2016; M-F; from 7 a.m. to 6 p.m. The maintenance team, intends to repair, rehabilitate the structure of the bridge, and will remove portions of the existing electrical and mechanical aspects of the old bascule bridge. A sectional barge will be in the vicinity of the navigable channel. Maintenance personnel, equipment will relocate from the navigable channel, upon request. The project foreman can be reached at (732) 558-0348. Mariners should use caution when transiting the area.
  Delaware River - I-676/US 30 (Ben Franklin) Bridge - Inspections will be conducted between June 9, 2016 and July 1, 2016; from 6:30 a.m. to 5 p.m., Monday through Friday. Inspections will be performed by a movable maintenance platform (traveler) and a 24 ft. vessel with a dive team operating under and in the vicinity of the bridge. Inspection personnel, equipment and vessels will relocate from the navigable channel, upon request. The vessel may be reached on VHF-FM channel 13 and (609) 744-1800. The project foreman can be reached at (908) 461-1296 or (215) 264-6009. Mariners are requested to notify the project foreman thirty minutes prior to navigating through the area and should use caution when transiting the area.
  NJICW (Inside Thorofare) - US40-322 (Albany Avenue) Bridge - Bridge inspections will be conducted between June 21, 2016 and June 22, 2016; from 8 a.m. to 4:30 p.m. Two work vessels will be under and in the vicinity of the bridge to provide access to the bridge superstructure. Inspection personnel, equipment and vessels will

relocate from the moveable span and navigable channel, upon request. Work vessels may be reached on VHF-FM channels 13 and 16. The project foreman can be reached at (717) 715-4621. Mariners are requested to notify the project foreman no less than fifteen minutes prior to navigating the area and should use caution when transiting the area.

NJICW (Point Pleasant Canal) - S.R. 88 (Veterans Memorial) Bridge – Bridge will remain in the closed-to-navigation position to facilitate an urgent repair to the bridge operating machinery. The bridge will remain in the closed-to-navigation position from 9 p.m. on Wednesday, June 14, 2016 to 6 a.m. Thursday, June 15, 2016. Mariners able to pass under the bridge in the closed-to-navigation position (31 feet above MHW) may do so, and others should adjust their transits accordingly. Mariners should use caution when transiting the area.

Mullica River - Green Bank Bridge (Green Bank Road/CR563) - Urgent repairs of the bridge operating machinery require the bridge to be maintained in the closed-to-navigation position from 7:30 a.m. on June 20, 2016 through 3:30 p.m. on June 23, 2016. The vertical clearance of the bridge in the closed position is 5 feet above mean high water and vessels able to safely pass through the bridge in the closed position may do so at any time. The bridge will not be able to open for emergencies and there is no immediate alternate route for vessels to pass. Mariners should use caution when transiting the area.

Pennsylvania –

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

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

Delaware River - SR 1002 (Skinners Falls) bridge - Maintenance will be conducted between May 5, 2016 and July 15, 2016; from 7 a.m. to 5 p.m. Monday-Friday. During the repair and rehabilitation of the bridge, the vertical clearance of the bridge will be reduced to 26 feet at ordinary high water and directional buoys will be positioned in the channel to aid mariners to safely navigate through the bridge. The project foreman can be reached (570) 963-4013. Mariners should use caution when transiting the area.

Delaware River - I-676/US 30 (Ben Franklin) Bridge - Inspections will be conducted between June 9, 2016 and July 1, 2016; from 6:30 a.m. to 5 p.m., Monday through Friday. Inspections will be performed by a movable maintenance platform (traveler) and a 24 ft. vessel with a dive team operating under and in the vicinity of the bridge. Inspection personnel, equipment and vessels will relocate from the navigable channel, upon request. The vessel may be reached on VHF-FM channel 13 and (609) 744-1800. The project foreman can be reached at (908) 461-1296 or (215) 264-6009. Mariners are requested to notify the project foreman thirty minutes prior to navigating through the area and should use caution when transiting the area.

SECTOR HAMPTON ROADS

- ***Virginia (Southern)***

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

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

North Landing River - S165 Bridge – Bridge has sustained damage and will not be capable of normal operation until July 1, 2016. The north span of the bridge will open-to-navigation on the hour and half hour, upon request, from 6 a.m. to 7 p.m., and on demand from 7 p.m. to 6 a.m. The north span of the bridge will open-to-navigation and the south span of the bridge will partially open-to-navigation, upon request, for scheduled openings at 9:30 a.m. for vessels transiting southeast, 10:30 a.m. for vessels transiting northwest, and noon and 2 p.m. for two-way vessel traffic through the bridge; Monday through Friday. The horizontal clearance of the bridge with the south span closed-to-navigation is 38 feet and the horizontal clearance of the bridge with south span partially open-to-navigation is 70 feet. The north span of the bridge will open-to-navigation for emergencies. The vertical clearance of the bridge in the closed position is 6 feet above mean high water and vessels able to safely pass through the bridge in the closed position may do so, after receiving confirmation from the bridge tender that it is safe to transit through the bridge. Mariners should use extreme caution when transiting the area.

South Branch of the Elizabeth River - Norfolk and Western railroad bridge (Norfolk Southern V6.8 Bridge) - The bridge will remain in the closed-to-navigation position from 7 a.m. to 11:30 a.m. and 12:30 p.m. to 5 p.m. from June 6 through June 9, 2016, June 13 through June 16, 2016, and June 20 through June 23, 2016. The bridge will be able to open for emergencies during the maintenance period and the vertical clearance of the bridge in the closed position is 10 feet above mean high water. During the closure there will be limited opportunity for vessels able to safely pass through the bridge in the closed position to do so. Vessels able to safely pass through the

bridge in the closed position may do so, after receiving confirmation from the bridge tender that it is safe to transit through the bridge. Mariners should use extreme caution when transiting the area.
Hampton Roads - I-64/US 60 Westbound (Hampton Roads Bridge Tunnel) Bridge – Bridge inspection will be conducted between June 20, 2016 and June 26, 2016; from 8 a.m. to 11:59 p.m. The inspection team will conduct load testing of the concrete beams. Two barges and a tug will be in the vicinity of the bridge. The inspection personnel, equipment and vessels will not be able to relocate from the area. These vessels may be reached on VHF-FM channel 13. The project foreman can be reached at (757) 536-7006 or (757) 925-1665. 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/.
  Croatan Sound - US 64/US 264 (William B. Umstead Memorial) Bridge - Maintenance will be conducted between May 24, 2016 and September 1, 2016; from 7 a.m. to 5 p.m. Replacement of the bridge fender system will occur. Two barges with several small floats will be in or the vicinity of the bridge. Maintenance personnel, equipment and vessels will relocate from the navigable channel, upon request. The project foreman and work vessels may be reached on VHF-FM channel 13 or (919) 340-3666. Mariners should notify the project foreman no less than one hour prior to navigation through the bridge and use caution when transiting the area.

FUTURE PROJECTS:

Permits/Construction:

- ***Maryland***
  Potomac River - Theodore Roosevelt (fixed) Bridge - DDOT is conducting an investigation and assessment of the bridge, which will be completed winter of 2015. They'll assess structural condition, needs for extended life cycle, and safety compliance improvements. Then will do a design analysis of alternatives with construction in the future (no date given).
- ***Washington, DC*** –
  Anacostia River **–** 11th Street Bridge Park – Proposed fixed pedestrian bridge park to be built on retained substructure of old 11th Street Bridge.
- ***Virginia (Northern)*** - None
- ***Delaware*** – None
- ***New Jersey (Central & Southern)*** – None
- ***Pennsylvania*** – None
- ***Virginia (Southern) –*** None
- ***North Carolina***
  Mid-Currituck Sound (fixed) Bridge – Proposed new fixed structure in final review of the design.
  Perquimans River – US 17 business (fixed) Bridge – Proposed new fixed bridge structure to replace (swing) bridge in final review of the design and environmental package.
  Alligator River – US 64 (fixed) Bridge Proposed new fixed bridge structure to replace (swing) bridge in final review of the design and environmental package.
  Atlantic Intracoastal Waterway – SR 50 Sears Landing Surf City (fixed) Bridge Proposed new fixed bridge structure to replace (swing) bridge in final review of the design and environmental package.
  Cape Fear River – Wilmington bypass south (fixed) Bridge Proposed new fixed bridge structure in review of the design and environmental package.
  Straits Waterway - Harkers Island Bridge – Proposed new fixed bridge structure to replace existing swing span bridge (Bridge No. 73)**.** Draft Vessel Height Survey Report in review.

Regulations:

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

- ***North Carolin****a* – None

SUMMARY OF DREDGING/MARINE CONSTRUCTION PROJECTS CURRENTLY IN PROGRESS

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 Delware River, in Marcus Hook, PA from February until **30 June, 2017**. Ref LNM 08/16

NJ – ABSECON INLET – DEMOBILIZATION WORK (Chart 12316)
Great Lakes Dredge & Dock Company is continuing its demobilization work off shore and in Absecon Inlet until **15 July 2016**. Work consists of the retrieval and towing of floating steel pipeline from offshore areas on the north side of Corson's Inlet to the staging areas in Absecon Inlet. If you have any questions contact John D. Huit, Project Manager, 630-207-5196, JDHuit@gldd.com. Ref LNM 23/16

NJ – BARNEGAT INLET – BEACH HAVEN INLET – LONG BEACH ISLAND (Chart 12323)
Great lakes dredging will be continuing dredging operations off Long Beach Island from April 16, until late **June 30, 2016**. There will be submerged dredge piping between the following coordinates:
39 32 48.21 N 74 15 01.20 W (Beach landing subline #1)
39 32 05.57 N 74 13 24.11 W (Seaward end subline #1)
39 34 08.84 N 74 13 47.19 W (Beach landing subline #2)
39 34 20.11 N 74 13 00.10 W (Seaward end subline #2)
Below are the coordinates encompassing the burrow area:
39 34 59.12 N 74 13 17.33 W
39 34 37.11 N 74 12 17.55 W
39 31 08.35 N 74 13 18.55 W
39 31 48.46 N 74 15 52.15 W
Ref LNM 16/16

NJ – BARNEGAT INLET TO LITTLE EGG INLET – BEACH FILL OPERATIONS (Charts 12323, 12324)
Great Lakes Dredge and Dock Company Dredges Dodge Island, Padre Island and Liberty Island will be conducting beach fill operations in the area of Barnegat Inlet to Little Egg Inlet, NJ from April to **September 2016**. Material will be dredged from a borrow area approximately 3 NM offshore of Harvey Cedars and pumped directly to shore using multiple pipelines.
Ref LNM 16/16

NJ – GREAT EGG HARBOR BAY – DRAG CHANNEL - BRIDGE CONSTRUCTION & DEMOLITION UPDATE (Chart 12316)
Mariners are advised that marine work consisting of several activities including but not limited to temporary cofferdam construction, superstructure erection and demolition are in progress through **December 2018** for the replacement of the existing southbound bridges carrying the Garden State Parkway, and rehabilitation of the northbound bridges carrying the Garden State Parkway. Ref LNM 03/16

MD – SUSQUEHANNA RIVER – CONOWINGO RESERVOIR – CONSTRUCTION (Chart 12274)
Old Dominion Electric Corporation will commence construction of the Wildcat Point Generation Facility water intake/discharge infrastructure within the Conowingo Reservoir starting on 18 January, 2016, with construction expected to last approximately **30 September, 2016**. Ref LNM 02/16

MD – BALTIMORE HARBOR – FT MCHENRY – SEAGIRT – BREWERTON EASTERN EXTENSION – CRAIGHILL CHANNELS – DREDGING (Chart 12280)
Mariners are advised that Great Lakes Dredge and Dock Company dredges DREDGE 54 AND DREDGE 55 have begun dredging operations within the Fort McHenry, Seagirt, Brewerton Eastern Extension and Craighill Channels, with a completion date expected on or about **12 July, 2016**. Ref LNM 08/16

MD – CHESAPEAKE BAY – APPROACHES TO BALTIMORE HARBOR – BALTIMORE HARBOR – MARINE CONSTRUCTION PROJECT (Chart 12281)
Pier rebuilding project at Dundalk Marine Terminal Berth 4 in Baltimore, MD until **July 2016.** Ref. LNM 30/14

MD - CHESAPEAKE BAY - SUSQUEHANNA RIVER - BRIDGE REPAIRS (Chart 12274)
Blastech Enterprises, will be conducting repairs, cleaning, and painting on the Millard E. Tydings Memorial Bridge on I-95, at mile 3.2, over Susquehanna River in Havre De Grace, MD, from April 15, 2015 through **15 August, 2016**. Ref LNM 11/15

DC – UPPER POTOMAC RIVER/WASHINGTON CHANNEL (Chart 12289)
Dockside demolition/bulkhead repair until **December, 2020**. Ref: LNM 12/14

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

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 BRIDGE TUNNEL FISHERMANS INLET BRIDGE - REPAIRS (Charts 12222, 12224)
Ryan Construction Co will be conducting repairs to the Chesapeake Bay Bridge Tunnel, Fishermans Inlet Bridge, Southside Fender System 2 May thru **25 Jun 2016**, Monday-Friday from 7:00AM until 5:00 PM. The Tug Catherine with 100' X 50' barge and 140' X 50' crane barge will be on scene and monitor Channel 13. For questions or concerns contact John Groenstyn, on site Foreman: 757 374-1611, Clayton Tweed, Safety Director: 757 272-7796, Harrison Nelms, Project Manager: 757 879-0854. Ref LNM 15/16

VA – CHESAPEAKE BAY – CHAPE CHARLES TO NORFOLK HARBOR – DREDGEING Charts 12222, 12245, 12254, 12280
Great Lakes Dredge & Dock Company dredges DODGE ISLAND and PADRE ISLAND will be conducting dredging operations in the north Thimble Shoal Auxiliary Channel and in the south Thimble Shoals Auxiliary Channel until late **July 2016**, they may be contacted on VHF-FM channel 13 or 16. Dredged material will be transported to the pumpout stations offshore of the project area by hopper dredge via sail routes extending from Thimble Shoal Channel. Dredged material will be pumped to the beach through various submerged pipelines landing on the beach from Little Creek Inlet to Willoughby Spit. Should you have any questions concerning this project, please contact Site Manager, Matt Ferrell at (630) 248-4078. Ref LNM 24/16

VA – CHESAPEAKE BAY – CAPE CHARLES TO WOLF TRAP – CHERRYSTONE INLET CHANNEL – DREDGING Chart 12224
The Dredge Rockbridge will be conducting dredging operations in the Cherrystone Inlet Channel of the Cape Charles City Channel between Cape Charles City Lighted Buoy 1CC (LLNR 21450) and Cape Charles City Light 4 (LLNR 21470). The dredge will conduct operations from 1 June through **September 15, 2016.** The dredge Rockbridge monitors VHF channels 13 and 16. Dredging operations will be conducted twenty-four (24) hours a day seven (7) days a week. Ref LNM 20/16

VA – CHESAPEAKE BAY – NORFOLK HARBOR – DREDGING (Chart 12253)
Cottrell Contracting Corporation of Chesapeake, VA dredge LEXINGTON will be conducting dredging operations in various locations within the Norfolk Harbor Federal Channel through **01 July, 2016**. Ref LNM 49/15

VA – CHESAPEAKE BAY – ELIZABETH RIVER – DREDGING OPERATIONS (Chart 12245)
Dredge ROCKBRIDGE will be conducting dredging operations in various locations within the Elizabeth River between Elizabeth River Lighted Buoy 7 (LLNR 8475) and Elizabeth River Channel Lighted Buoy 25 (LLNR 9710) until **15 July, 2016**.
Ref LNM 22/16

VA – CHESAPEAKE BAY – ELIZABETH RIVER – MIDTOWN TUNNEL CONSTRUCTION (Chart 12253)
SKW Constructors construction operations of new Midtown Tunnel, channel restrictions, temporary buoys established, barge traffic. **Until further notice**. Ref LNM 33/14, 33/15

VA – JAMES RIVER – NEWPORT NEWS TO JAMES ISLAND – SKIFFES CREEK – DREDGING (Chart 12248)
Dredge Marion of Cottrell Contracting Corporation of Chesapeake, VA will be conducting dredging operations in Skiffes Creek Federal Channel into Joint Base Langley-Eustis, Newport News from Skiffes Creek Channel Lighted Buoy 2 (LLNR 11725) to the innermost dock at Joint Base Langley-Eustis. Dredging pipeline will run behind the dredge on the landward side of Restricted Area 334.280 and then on to shore. The dredge will conduct operations from May 11 through **July 31, 2016**. Ref: LNM 19/16

VA – JAMES RIVER/NEWPORT NEWS SHIPBUILDING WATERFRONT (Chart 12248)
Dredging – Dredge MOBRO 112 – **Until further notice**. Ref: LNM 14/14.

VA – JAMES RIVER – NEWPORT NEWS – DEMOLITION AND PIER REPAIRS UPDATED (Chart 12248)
Crofton Diving Corporation is currently conducting demolition and repair operations to the James River Fishing Pier until **28 August, 2016**. Ref LNM 27/15, 37/15

VA – ATLANTIC INTRACOASTAL WATERWAY (AICW) – NORFOLK HARBOR TO ALBEMARLE SOUND (Chart 12253)
Dominion Steel Bridge (Rt.17) Replacement; construction ongoing until **February, 2017**. Ref: LNM 07/13.

VA/NC – CAPE HENRY TO PAMLICO SOUND – INCLUDING ALBEMARLE SOUND - BRIDGE CONSTRUCTION (Chart 12205)
An engineering firm, on behalf of the North Carolina Department of Transportation (NCDOT), will be constructing a new bridge to replace the Herbert C. Bonner Bridge across the Oregon Inlet, at mile 0.9, Dare County, NC. Construction activities will begin on March 7, 2016 and are expected to finish on **August 30, 2019**. Ref LNM 09/16

NC - ROANOKE SOUND - MANTEO, NC - SUBMARINE CABLE INSTALLATION (Chart 12204)
Crofton Diving Corporation will be installing submarine cable on the east side of Manteo, NC crossing Roanoke Sound to Nags Head, NC from 21 April to **20 July 2016** daylight hours only. Operations will be taking place between: 35° 56'03.07N and 75 ° 41'27.53W & 35° 57'08.55N and 75 ° 37'58.76W. Barges & vessels will be moored on site with divers working over the side. Crofton's crews will be monitoring the following radio frequencies: VHF channel 13 & 16 or (757) 418-1308.
Ref LNM 17/16

NC – BEAUFORT INLET- DREDGING (Chart 11547)
The DUTRA Group will conduct dredging operations in Beaufort Inlet between 15 June and 15 Sept 2016. The project includes the dredging of Range A and Range B. Dan Marine Towing will be operating the tug COLONEL along with the barge PAULA LEE and 2 dump scows 24/7. For questions involving dredge operations please call (415) 717-7214. Ref LNM 23/16

NC – GALLANTS CHANNEL – BRIDGE CONSTRUCTION (Chart 11545)
Take caution and proceed slowly when approaching the construction site of the New Gallant's Channel Fixed Bridge, over the Gallants Channel in Beaufort, NC. All vessel traffic can expect delays and should adjust voyage plans accordingly. The Orion Marine Construction onsite work supervisor can be contacted on VHF channel 13 and telephone at (813) 334-0208.
Ref LNM 12/16

NC – (AICW) - PASQUOTANK RIVER - US 158 BRIDGE CONSTRUCTION (Chart 12206)
Mariners are advised that Archer Western Contractors, LLC will be extending bridge construction at US 158 Bridge in Elizabeth City, North Carolina to end approximately **July 1st, 2016**. Ref LNM 05/16

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

NC - PERQUIMANS RIVER - HERTFORD - NC - BRIDGE CONSTRUCTION (Chart 12205)
Construction repairs to the fender system on the Route 17 Bridge crossing the Perquimans River in Hertford, NC. The repairs are to the fender system and anticipated to take place between January 4, 2016 and **August 30, 2016**. Ref LNM 49/15

NC – KINDER MORGAN PIER – CONSTRUCTION (Chart 11537)
Precon Marine will commence construction on the Kinder Morgan pier, beginning on February 29th 2016. The project will continue until approximately **July 1st, 2016.** Ref LNM 09/16

NC - CAPE FEAR RIVER – PORT OF WILMINGTON – DREDGING (Chart 11537)
The Bucket dredge VIRGINIAN and auxiliary equipment will be conducting dredging operations in the vinicinty of the Port of Wilmington, NC, Lower Anchorage Basin and Kinder Morgan Liquid Bulk Pier on the Cape Fear River until approximately **30 August, 2016**. Ref LNM 23/16.

SUMMARY OF D5 MARINE EVENTS/FIREWORKS DISPLAYS

FIREWORKS – DISPLAY PRECAUTIONS AND REGULATIONS

Fireworks barges and launch sites on land will have signs labeled FIREWORKS--DANGER--STAY AWAY to provide on scene notice that the safety zone will be enforced. Vessels may not enter, remain in, or transit through the safety zone during the enforcement period unless authorized by the Coast Guard Captain of the Port (COTP) or designated Coast Guard patrol personnel on scene. All persons and vessels shall comply with the instructions of the COTP or the designated on-scene-patrol personnel, and upon being hailed by siren, radio, flashing light or other means, the operator of a vessel shall proceed as directed. Other Federal, State and local agencies may assist these personnel in the enforcement of the safety zone.

MD/ VA/DC – MARYLAND SEACOAST - CHESAPEAKE BAY AND POTOMAC RIVER - SAFETY ZONES FOR FIREWORKS DISPLAYS

As described in the Table to Title 33 Code of Federal Regulations Section 100.506, the following Safety Zones are established for fireworks displays planned within the Coast Guard Captain of the Port Maryland-National Capital Region Zone during the 2016 Independence Day holiday period:

1. Anacostia River, Washington, DC, within a 150 yard radius of the fireworks barge located near the Washington Nationals Ball Park, in approximate position latitude 38°52′13″ N, longitude 077°00′16″ W. This safety zone will be enforced on **July 1, 2016,** from 9 p.m. to 11 p.m. (no rain date) for a fireworks display scheduled at the conclusion of the scheduled MLB game, at approximately 9:30 p.m. Chart 12289.

2. Assawoman Bay, Fenwick Island, Ocean City, MD, within a 360 yard radius of the fireworks launch location on the pier at the West end of Northside Park, in approximate position 38°25′55″ N, 075°03′53″ W. This safety zone will be enforced on **July 4, 2016,** from 9 p.m. to 11 p.m. (with a rain date of July 5, 2016) for a fireworks display scheduled at 9:30 p.m. Chart 12211.

3. Baltimore Inner Harbor, Patapsco River, MD, within a 100 yard radius of approximate position latitude 39°17′04″ N, longitude 076°36′36″ W, located in Baltimore Inner Harbor, approximately 125 yards southeast of pier 1, and Baltimore Harbor, Baltimore Inner Harbor, MD, within a 280 yard radius of a fireworks barge in approximate position latitude 39°16'36.7'' N, longitude 076°35'53.8'' W, located northwest of the Domino Sugar refinery wharf at Baltimore, Maryland. These safety zones will be enforced on **July 4, 2016**, from 8 p.m. to 10:30 p.m. (with a rain date of July 5, 2016) for a fireworks display scheduled from 9:30 p.m. to 10 p.m. Chart 12281.

4. Chester River, Kent Narrows North Approach, MD, within a 300-yard radius of the fireworks launch site located on Kent Island at 38°58'44.4" N, longitude 076°14'51.7" W in Queen Anne's County. This safety zone will be enforced on **June 30, 2016** from 8:30 p.m. to 11 p.m. (with a rain date of July 3, 2016) for a fireworks display scheduled for 9:30 p.m. Chart 12272.

5. Chesapeake Bay, Chesapeake Beach, MD, within a 150 yard radius of the fireworks barge in approximate position 38°41′36″ N, 076°31′30″ W, and within a 150 yard radius of the fireworks barge in approximate position 38°41′28″ N, 076°31′29″ W, located north and south of the jetties at Chesapeake Beach, Maryland. This safety zone will be enforced on **July 1, 2016,** from 8:30 p.m. to 10:30 p.m. (with a rain date of July 3, 2016) for a fireworks display scheduled at 9:20 p.m. Chart 12263.

6. Choptank River, Cambridge, MD, within a 300-yard radius of the fireworks launch site located at Great Marsh Point, Cambridge at 38°35′06″ N, 076°04′46″ W. This safety zone will be enforced on **July 4, 2016** from 8 p.m. to 10:30 p.m. (with a rain date of July 5, 2016) for a fireworks display scheduled for 9:15 p.m. Chart 12266.

7. Isle of Wight Bay, Ocean City, MD, within a 200 yard radius of the fireworks barge in approximate position 38°22′31″ N, 075°04′34″ W. This safety zone will be enforced on **July 4, 2016,** from 9 p.m. to 11 p.m. (with a rain date of July 5, 2016) for a fireworks display scheduled at 10 p.m. Chart 12211

8. Middle River, Baltimore County, MD, within a 300-yard radius of the fireworks barge in approximate position 39°17′45″ N, 076°23′49″ W, approximately 300 yards east of Rockaway Beach, near Turkey Point. This safety zone will be enforced on **July 2, 2016**, from 8:30 p.m. to 11 p.m. (no rain date) for a fireworks display scheduled at 9:25 p.m. Chart 12278.

9. North Atlantic Ocean, Ocean City, MD, in an area bound by the following points: Latitude 38°19′39.9″ N, longitude 075°05′03.2″ W; thence to latitude 38°19′36.7″ N, longitude 075°04′53.5″ W; thence to latitude 38°19′45.6″ N, longitude 075°04′49.3″ W; thence to latitude 38°19′49.1″ N, longitude 075°05′00.5″ W; thence to point of origin. The size of the safety zone extends approximately 300 yards offshore from the fireworks launch area located at the high water mark on the beach. This safety zone will be enforced on **July 4, 2016,** from 9 p.m. to 11 p.m. (rain date of July 5, 2016) for a fireworks display scheduled at 9:30 p.m. Chart 12211.

10. Northeast River North East, MD, within a 300-yard radius of the fireworks barge in approximate position 39°35'26'' N, 075°57'00'' W, located approximately 400 yards south of the North East Community Park. This safety zone will be enforced on **July 3, 2016**, from 8 p.m. to 10:30 p.m. (rain date of August 6, 2016) for a fireworks display scheduled at 9 p.m. Chart 12274.

11. Patuxent River, Calvert County, MD, within a 200 yard radius of the fireworks barge located at 38°19′17″ N, 076°27′45″ W, approximately 800 feet from shore at Solomons Island, MD. This safety zone will be enforced on **July 4, 2016,** from 8 p.m. to 10 p.m. (with a rain date of July 5, 2016) for a fireworks display scheduled at 9:15 p.m. Chart 12284.

12. Severn River and Spa Creek, Annapolis, MD, within an area bounded by a line drawn from 38°58′43.75″ N, 076°28′01.42″ W; thence to 38°58′21.14″ N, 076°28′22.12″ W; thence to 38°58′39.47″ N, 076°28′48.72″ W; thence to 38°58′53″ N, 076°28′33.74″ W, thence to 38°58′57.22″ N, 076°28′39.83″ W, thence to 38°59′02.15″ N, 076°28′34.61″ W, thence to point of origin; located near the entrance to Spa Creek and Severn River, Annapolis, Maryland. This safety zone will be enforced on **July 4, 2016,** from 8 p.m. to 10:30 p.m. (with a rain date of July 5, 2016) for a fireworks display scheduled from 9 p.m. to 9:20 p.m. Charts 12282, 12283.

13. Tred Avon River, Oxford, MD, within a 150-yard radius of the fireworks barge in approximate position 38°41′24″ N, 076°10′37″ W, approximately 500 yards northwest of the waterfront at Oxford. This safety zone will be enforced on **July 3, 2016** from 8 p.m. to 10:30 p.m. (with a rain date of July 5, 2016) for a fireworks display from 9:30 p.m. to 10 p.m. Chart 12266.

14. Upper Potomac River, Alexandria Channel, Washington, DC, within a 300-yard radius of the fireworks barge in approximate position 38°48′40″ N, 077°02′07″ W, located near the waterfront of Alexandria, Virginia. This safety zone will be enforced on **July 9, 2016,** from 8:30 p.m. to 11 p.m. (with a rain date of July 10, 2016) for a fireworks display scheduled for approx. 9:30 p.m. Chart 12289.

Fireworks barges and launch sites on land will have signs labeled FIREWORKS--DANGER--STAY AWAY to provide on scene notice that the safety zone will be enforced. Vessels may not enter, remain in, or transit through the safety zone during the enforcement period unless authorized by the Coast Guard Captain of the Port (COTP) or designated Coast Guard patrol personnel on scene. All persons and vessels shall comply with the instructions of the COTP or the designated on-scene-patrol personnel, and upon being hailed by siren, radio, flashing light or other means, the operator of a vessel shall proceed as directed. Other Federal, State and local agencies may assist these personnel in the enforcement of the safety zone. For any comments or questions, contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693.

DC/MD/VA - CHESAPEAKE BAY AND MARYLAND SEACOAST AND THEIR TRIBUTARIES – FIREWORKS DISPLAYS

Mariners are advised of the following notices received for fireworks displays scheduled to occur on or near navigable waters within the Coast Guard Captain of the Port Maryland-National Capital Region Zone during the 2016 Independence Day holiday period:

15. Aquia Creek, Aquia Harbour, Stafford, VA, mariners are urged to remain at least 200 yards from the fireworks discharge barge located in Aquia Creek near Washington Drive on **July 4, 2016** (rain date of July 5, 2016) for a display scheduled at 10 p.m. Chart 12288.

16. Chesapeake Bay, Stevensville, MD, mariners are urged to remain at least 100 yards from the fireworks discharge site located on the western shoreline of Kent Island on **July 2, 2016** (no rain date) for a display scheduled at 9:30 p.m. Chart 12270.

17. Chester River, Town of Chestertown, MD, mariners are urged to remain at least 200 yards from the fireworks discharge site located on shore near the mouth of Radcliffe Creek on **July 4, 2016** (no rain date) for a display scheduled at 9:20 p.m. Chart 12272.

18. Fairlee Creek, Great Oak Landing Marina, MD, mariners are urged to remain at least 200 yards from the fireworks discharge site located on shore at Shell Point on **July 2, 2016** (rain date of September 3, 2016) for a display scheduled at 9:25 p.m. Chart 12274.

19. Herring Bay, Herrington Harbour South Marina, Rose Haven, MD, mariners are urged to remain at least 150 yards from the fireworks discharge site located on the south jetty on **July 1, 2016** (rain date of September 2, 2016) for a display scheduled at 9:45 p.m. Chart 12266.

20. Nanticoke River, Nanticoke, MD, mariners are urged to remain at least 70 yards from the fireworks discharge site located on the end of a pier at the Roaring Point Waterfront Campgrounds on **July 2, 2016** (no rain date) for a fireworks display scheduled for 9 p.m. Chart 12261.

21. Patuxent River, Golden Beach/Patuxent Knolls Civic Association, MD, mariners are urged to remain at least 200 yards from the fireworks discharge site located on shore near Long Point on **July 2, 2016** (rain date of July 3, 2016) for a display scheduled at 9 p.m. Chart 12284.

22. Potomac River, Mount Vernon, VA, mariners are urged to remain at least 150 yards from the fireworks discharge barge located near the shoreline at George Washington's Mount Vernon Estate on **July 2, 2016** (no rain date) for a display scheduled at 9:30 p.m. Chart 12289.

23. Potomac River, Mount Vernon, VA, mariners are urged to remain at least 150 yards from the fireworks discharge barge located near the shoreline at George Washington's Mount Vernon Estate on **July 4, 2016** (no rain date) for a daytime display scheduled at 12:30 p.m. Chart 12289.

24. Potomac River, Town of Colonial Beach, VA, mariners are urged to remain at least 150 yards from the fireworks discharge site located at the end of the Municipal Pier on **July 4, 2016** (rain date of July 5, 2016) for a display scheduled at approximately 9 p.m. Chart 12286.

25. Severn River, Sherwood Forest, MD, mariners are urged to remain at least 150 yards from the fireworks discharge site located at the end of the Sherwood Forest Club's Main Pier on **July 3, 2016** (rain date of July 8, 2016) for a display scheduled at 9:20 p.m. Chart 12282.

26. Somers Cove, Crisfield, MD, mariners are urged to remain at least 100 yards from the fireworks discharge site located on shore at Jersey Island on **July 2, 2016** (rain date of September 4, 2016) for a display scheduled at 9 p.m. Chart 12231.

27. St. Mary's River, St. Mary's City, MD, mariners are urged to remain at least 150 yards from the fireworks discharge site located on a private pier across from St. Mary's College of Maryland on **July 1, 2016** (rain date of July 8, 2016) for a display scheduled at 9:15 p.m. Chart 12233.

Mariners are urged to transit these areas with caution, to keep a sharp lookout for other watercraft in these areas, and are reminded to heed the directions of patrolling law enforcement and public safety officials. Absent specific guidance, mariners should remain 300 yards from any fireworks discharge site. For any comments or questions, contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at telephone number (410) 576-2674 or (410) 576-2693.

NC/VA/MD – INTRACOASTAL WATERWAY – CHESAPEAKE BAY – POTOMAC RIVER - OPERATION PHOENIX

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

MD/VA/NC – CHESAPEAKE BAY TO BERMUDA - NORTH ATLANTIC OCEAN– LONG DISTANCE SAIL RACE

The biennial "Annapolis to Ocean Race" is scheduled to occur on the Chesapeake Bay and Atlantic Ocean during June 10-16, 2016. The long distance sail race with approximately 35 participants (from 30 to 65 feet in length) will start east of Tolly Point at the mouth of the Severn River near Annapolis, MD at 1:30 p.m. on Friday, June 10, 2016, proceed southward in the Chesapeake Bay passing Cape Henry, VA, and finish at Bermuda on Thursday, **June 16, 2016**. The 2016 Annapolis to Bermuda Ocean Race Committee can be contacted prior to the event via website www.bermudaoceanrace.com or during the race via marine band radio VHF-FM channel 16. For any comments or questions contact Coast Guard Sector Baltimore, Waterways Management Division, at (410) 576-2674 or (410) 576-2693.
Charts 12280, 12200, 13003, 5161

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

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

MD – CHESAPEAKE BAY - BALTIMORE HARBOR – NORTHWEST HARBOR - REGULATED AREA

Mariners are advised that the annual "Baltimore Dragon Boat Challenge" paddling regatta is scheduled to occur in the Northwest Harbor on June 25, 2016 (rain date June 26, 2016). 22-person teams will race in vessels (42 feet in length) on a designated course with 4 marked lanes located near Tide Point in Baltimore, MD, between the American Sugar Refining wharf and North Locust Point Marine Terminal Pier 8. Course markers will be set from 6 a.m. to 8 a.m., with racing from 8 a.m. to 4 p.m., and course markers will be removed from 4 p.m. to 6 p.m. As described in the Table to 33 CFR Section 100.501, a regulated area is established for all waters of Patapsco River, Northwest Harbor, in Baltimore, MD, from shoreline to shoreline, within an area bounded on the east by a line drawn along longitude 076°35' W and bounded on the west by a line drawn along longitude 076°36' W. This area will be enforced from 8 a.m. until 4 p.m. on **June 25, 2016**, and in the case of inclement weather, this marine event may be postponed and the regulated area enforced from 8 a.m. to 4 p.m. on June 26, 2016. The Coast Guard Patrol Commander or designated marine event patrol may forbid and control the movement of all vessels in the regulated area. When hailed or signaled by an official patrol vessel, a vessel in this area shall immediately comply with the directions given. Failure to do so may result in expulsion from the area, citation for failure to comply, or both. The marine event patrol and Patrol Commander may be contacted on VHF– FM Channel 16. 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, Waterways Management Division, at (410) 576-2674 or (410) 576-2693.
Chart 12281

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

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

MD–CHESAPEAKE BAY– COVE POINT TO SANDY POINT – NORTH BEACH – DRAGON BOAT ROWING RACES

An Annual Dragon Boat Rowing Regatta is scheduled to occur on the Chesapeake Bay on **June 18, 2016**, between 9 a.m. and 5 p.m. Paddlers will race in 22-person dragon boats (40 feet in length) on a marked, 200-meter sprint course located adjacent to the boardwalk at North Beach, in Calvert County, MD. Participants will be supported by sponsor-provided watercraft. 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 12263

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

A sailing regatta is scheduled to occur on the Chesapeake Bay on **June 26, 2016**, between 10 a.m. and 4:30 p.m. Up to 35 sailboats (25 to 40 ft in length) will race on a designated course located between the mouth of the Severn River and Bloody Point Bar Light (LLNR 7750). Interested mariners may contact the Sailing Club of the Chesapeake (SCC) Race Committee via marine band radio VHF-FM channel 72. More information can be obtained at the SCC website www.scc1944.org. For any comments or questions contact Coast Guard Sector Baltimore, Waterways Management Division, at (410) 576-2674 or (410) 576-2693.

Chart 12263

MD – CHESAPEAKE BAY – COVE POINT TO SANDY POINT – SEVERN RIVER – SAILING REGATTAS
The Annapolis Yacht Club's (AYC) annual sailing regattas are scheduled to occur in the Severn River and the Chesapeake Bay, near the mouth of the Severn River, between 10 a.m. and 4 p.m., with 21 individual events scheduled on the following dates in 2016: April 23 (*Spring One Design*), April 29-May 1 (*NOOD Regatta*); May 14 (*Spring Harbor Regatta*), May 21-22 (*U.S. Sailing Match Race Qualifier*); June 11 (*Annual Regatta and Annual Regatta Distance Race*), June 18-19 (*CRAB Cup*); July 7 (*Junior Annual Regatta*), July 16-17 (*Free State Team Race*), July 23 (*Summer One Design*); September 3-4 (*Annapolis Labor Day*), September 9-11 (*U.S. Women's Match Race Championship*), September 10 (*Fall Harbor*), September 13-15 (*Warrior Sailing Project*), September 24-25 (*Inter-Club Team Race*); October 1-2 (*Fall Series Weekend 1*), October 8 (*Fall Series Distance Race*), October 15-16 (*Fall Series Weekend 2*), October 22-23 (*Fall Eschells - Lippincott and Halloween Howl*), **October 29-30** (*J/105 & J/35 Fall Championships*). The AYC Race Committee can be contacted at racechair@annapolisyc.org. For any comments or questions, contact Coast Guard Sector Maryland – National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693.
Charts 12270, 12282, 12283

MD - CHESAPEAKE BAY - PATUXENT RIVER - SOLOMONS ISLAND AND VICINITY – FIREWORKS DISPLAY
Mariners are advised that a short-duration, aerial fireworks display is scheduled to occur on the Patuxent River at California, MD on **June 18, 2016** at 9:30 p.m. The fireworks will be discharged from a floating platform located in the Patuxent River, between Kingston Creek and Little Kingston Creek, in approximate position latitude 38°19'25.7" N, longitude 076°29'33.6" W. Mariners are urged to use caution when transiting the area, and absent specific guidance, should remain 200 feet from the fireworks discharge site. For any comments or questions contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693. Chart 12284.

MD – CHESAPEAKE BAY – SEVERN RIVER – SAILING REGATTA SERIES
The Eastport Yacht Club's (EYC) annual Friday Night Beer Can Series event is scheduled to occur in the Severn River each Friday evening from May 6 through **August 26, 2016**, from 5:30 p.m. to 8:30 p.m. Approximately 45 sail boats (25 to 45 feet in length) will compete in sail races on a designated course in the Severn River, located between the mouth of the Severn River and the entrance to Spa Creek, at Annapolis, MD. More information can be obtained at the EYC website: www.eastportyc.org/. For any comments or questions, contact Coast Guard Sector Maryland – National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693.
Charts 12282, 12283

MD – SEACOAST – FENWICK ISLAND TO CHINCOTEAGUE ISLAND – OCEAN CITY - REGULATED AREA
The 2016 Ocean City Air Show is scheduled to occur in the Atlantic Ocean on Saturday, June 18, 2016 and Sunday, **June 19, 2016**, at 12 Noon both days. High-speed, low-flying aircraft will operate adjacent to the beach area at Ocean City, MD. In addition, the event includes air show practices on Thursday, June 16, 2016 and Friday, June 17, 2016, at 12 Noon both days. As described in 33 CFR 100.501, a regulated area is established for all waters of the North Atlantic Ocean within an area bounded by the following coordinates: latitude 38°21′48.7″ N, longitude 075°04′10″ W; latitude 38°21′31.5″ N., longitude 075°03′11.4″ W; latitude 38°19′22.6″ N, longitude 075°04′09.5″ W; and latitude 38°19′38.5″ N, longitude 075°05′05.4″ W, located at Ocean City, MD. This regulated area will be enforced from 10 a.m. to 5 p.m., each day, from June 16, 2016 through June 19, 2016. The Coast Guard Patrol Commander may control the movement of all vessels in the regulated area. When hailed or signaled by an official patrol vessel, a vessel in these areas would be required to immediately comply with the directions given. Failure to do so may result in expulsion from the area, citation for failure to comply, or both. All Coast Guard vessels enforcing this regulated area can be contacted on marine band radio VHF-FM channel 16 or 22A. For any comments or questions contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693.
Charts 12211, 12200

MD - SEACOAST - FENWICK ISLAND TO CHINCOTEAGUE ISLAND - OCEAN CITY – WEEKLY PYROTECHNIC SHOWS
Weekly pyrotechnic shows are scheduled to occur along the North Atlantic Ocean each Sunday from May 28, 2016 to **September 4, 2016**, at 9:30 p.m. The weekly shows will occur on the beach at North Division and 1st Streets in Ocean City, MD, in approximate position latitude 38°33′07.3″ N, longitude 075°03′38.0″ W. Absent specific guidance, mariners should remain 50 yards from the show site.
Chart 12211

VA/MD – POTOMAC RIVER – CHESAPEAKE BAY TO PINEY POINT – ST. MARY'S RIVER – SWIM EVENT
A swim event is scheduled to occur in St. Mary's River on **June 24, 2016**, between 7 a.m. and 10:30 a.m. Approximately 45 (up to 120) swimmers will compete on a designated 5-kilometer open water, square-shaped course marked with large orange buoys located adjacent to the waterfront of St. Mary's College of Maryland at St. Mary's City, MD. Participants will be supported by sponsor-provided watercraft. The official patrol vessel on scene can be contacted on marine band radio VHF-FM channel 16. For comments or questions, contact Coast Guard Sector Maryland-National Capital Region (410) 576-2674 or (410) 576-2693.
Charts 12233

VA/MD - POTOMAC RIVER - PINEY POINT TO LOWER CEDAR POINT – BOAT PARADE
An annual boat parade and blessing of the fleet event is scheduled to occur on the Potomac River on Sunday, **June 12, 2016**, from 1 p.m. to 4 p.m. Approximately 40 power and sail vessels (10 to 70 feet in length) will operate on a designated parade route along the shore at Colonial Beach, VA. Interested mariners may contact parade officials on marine band radio VHF-FM channel 68. Official patrol vessels may be contacted on marine band radio VHF-FM channel 16. For any comments or questions contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693.

Chart 12286

VA - CHESAPEAKE BAY - YORK RIVER
A single swimmer will be participating in the TriAmerica 2016 along the Yorktown Beach in Cornowallis Cove, on the York River in Yorktown, VA. This event will begin on June 18, 2016 and will end on **June 27, 2017**, from 5:30 AM until 9 PM, daily. Mariners are requested to use caution when transiting the area.
Chart 12241

VA - CHESAPEAKE BAY - PIANKATANK RIVER - DELTAVILLE
The Fishing Bay Yacht Club's Cut Channel Race 2016 will occur in the Chesapeake Bay at the mouth of the Piankatank River. This event will take place on **July 2, 2016** beginning at 9:00 a.m. and ending at 5:00 p.m. Mariners are requested to use caution when transiting the area.
Chart 12235

VA – CHESAPEAKE BAY – PIANKATANK RIVER - HILLS BAY
The Fishing Bay Yacht Club's Moonlight Regatta 2016 will occur at the mouth of Hills Bay near Gwynn's Island in Milford Haven, VA. This event will take place on **June 18, 2016** beginning at 7:30 p.m. and ending at 12:00 a.m. Mariners are requested to use caution when transiting the area.
Chart 12235

VA – CHESAPEAKE BAY – PIANKATANK RIVER - HILLS BAY
The Fishing Bay Yacht Club's One Design Spring Series #4 2016, will occur in the Chesapeake Bay, in Hills Bay. This event will take place on **June 18, 2016** beginning at 9:00 a.m. and ending at 5:00 p.m. Mariners are requested to use caution when transiting the area.
Chart 12235

VA – CHESAPEAKE BAY – PIANKATANK RIVER - HILLS BAY
The Fishing Bay Yacht Club's FBYC Junior Sailing Week will occur in Hills Bay near Gwynn Island in Milford Haven, VA. This event will take place June 20 through **June 24, 2016** beginning at 9:00 a.m. and ending at 5:00 p.m. each day. Mariners are requested to use caution and bare steerage when transiting the area.
Chart 12235

VA - CHESAPEAKE BAY - PIANKATANK RIVER - HILLS BAY
The Fishing Bay Yacht Club's Commonwealth of Virginia Championship will occur in Hills Bay near Gwynn Island in Milford Haven, VA. This event will take place June 25 and **June 26, 2016** beginning at 9 A.M. and ending at 5 P.M. Mariners are requested to use caution and bare steerage when transiting the area.
Chart 12235

VA - CHESAPEAKE BAY - PIANKATANK RIVER - HILLS BAY
The Fishing Bay Yacht Club's One Design Summer Sea Breeze, will occur on Hills Bay near Gwynn Island in Milford Haven, VA. This event will take place on **July 3, 2016** beginning at 9:00 a.m. and ending at 5:00 p.m.. Mariners are requested to use caution when transiting the area.
Chart 12235

VA - CHESAPEAKE BAY - PIANKATANK RIVER - HILLS BAY
The Fishing Bay Yacht Club's 4th of July Long Distance, will occur in Hills Bay near Gwynn Island in Milford Haven, VA. This event will take place on **July 4, 2016** beginning at 9:00 a.m. and ending at 5:00 p.m. Mariners are requested to use caution when transiting the area.
Chart 12235

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

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

VA - CHESAPEAKE BAY - HAMPTON ROADS - HAMPTON BAR
The Hampton Yacht Club will be hosting the Double Handed Race sailing race on **July 10, 2016** from 11 AM until 4 PM. Racing will take place in the vicinity of Hampton Roads and Hampton Bar in Hampton Roads, VA. Mariners are requested to use caution when transiting the area.
Chart 12222

VA - CHESAPEAKE BAY - HAMPTON BAR
The Hampton Yacht Club will be hosting the Wednesday Night Races on the Hampton Bar in Hampton Roads, VA. The sailboat regattas will be held every Wednesday night, starting on April 6, 2016 and ending on **September 28, 2016**, beginning at 6 p.m. and ending at 8:30 p.m. Mariners are requested to use caution and bare steerage when transiting the area.
Chart 12222

VA - HAMPTON ROADS – NORFOLK HARBOR – ELIZABETH RIVER
The Harborfest Challenge Regatta will be held in Hampton roads on **June 9, 2016** the regatta will start near north Craney Island and run toward Norfolk Harbor reach ending in downtown Norfolk, VA. The event will begin at 10 a.m. and end at 4 p.m.
Charts 12206 12253

VA - CHESAPEAKE BAY - HAMPTON ROADS - ELIZABETH RIVER
The Mid Atlantic Powerboat Association's Powerboating for a Cure Poker Run 2016 will occur throughout Hampton Roads on **July 09, 2016**, starting at 10 AM and ending at 5 PM. Boats will be travelling from various points throughout the area, including Waterside Marina in Norfolk, Kingsmill in Hampton, Monitor Merrimac Marina in Hampton, Bluewater Marine in Hampton, Rudee Inlet and Long Bay Point in Lynnhaven Inlet. Mariners are requested to use caution when transiting the area.
Charts 12222, 12248

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

VA – ELIZABETH RIVER – NORFOLK
The Hampton Roads Pride Boat Parade will occur in the Elizabeth River in the vicinity of Town Point Park. This event will take place on **June 18, 2016** from 12:00 p.m. to 2:00 p.m. Mariners are requested to use caution and minimize wake when transiting the area
Chart 12253

VA - HAMPTON ROADS - ELIZABETH RIVER - LAFAYETTE RIVER
Mariners are advised that the Wolcott Memorial Regatta will take place in the Elizabeth River and the Lafayette River on **June 26, 2016** beginning at 10 A.M. and ending at 6 P.M. Mariners are requested to use caution when transiting the area.
Chart 12253

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

CG Sector North Carolina Waterways Conditions

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

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

NOT TO BE USED FOR NAVIGATION

Coast Guard Unit

Waterway Shoaling Conditions	Stable	Moderate	Severe

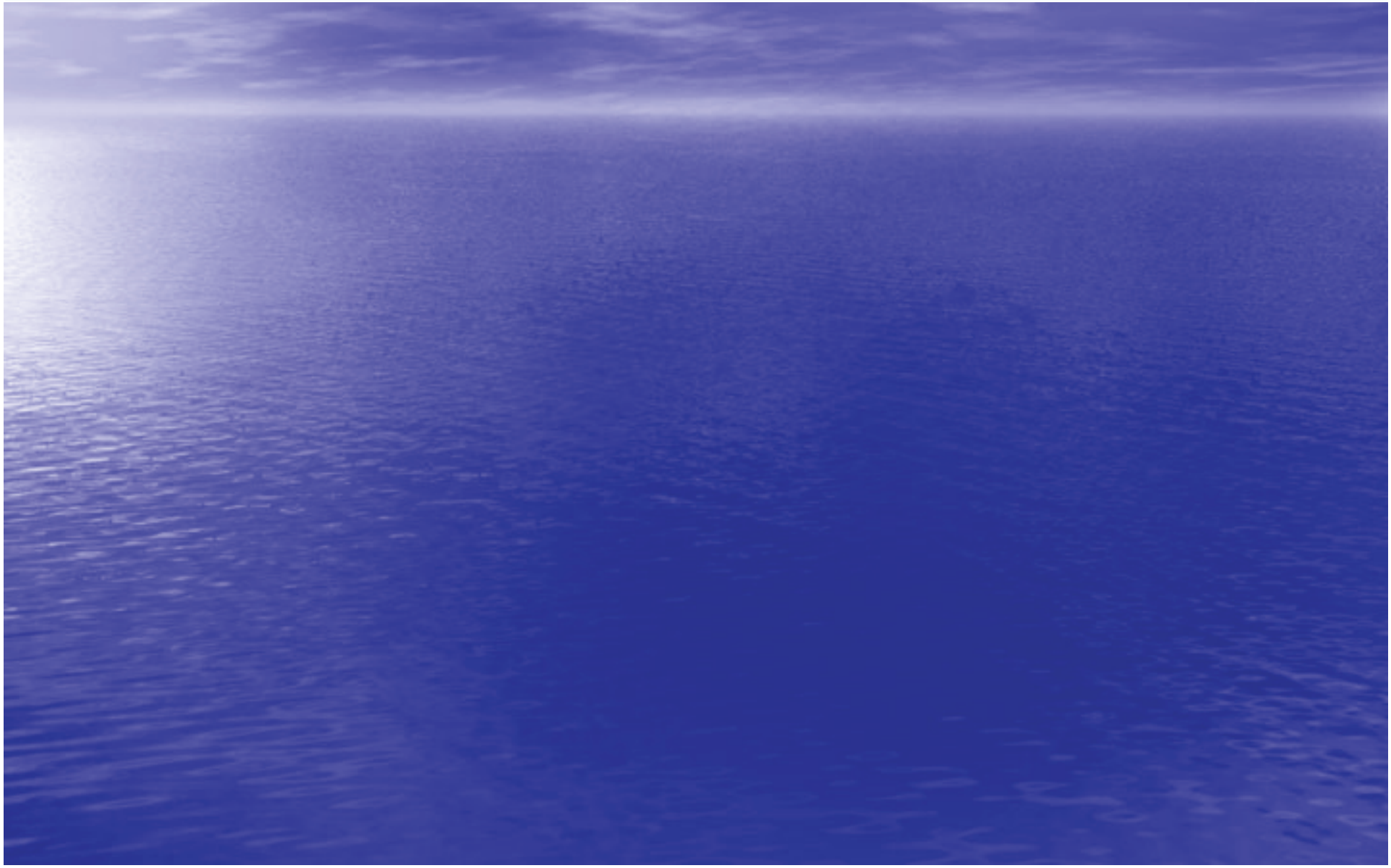
Mariners are encouraged to obtain the most recent U.S. Army Corps of Engineers Wilmington District hydrographic survey information, centerline waypoints & controlling depths at:

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

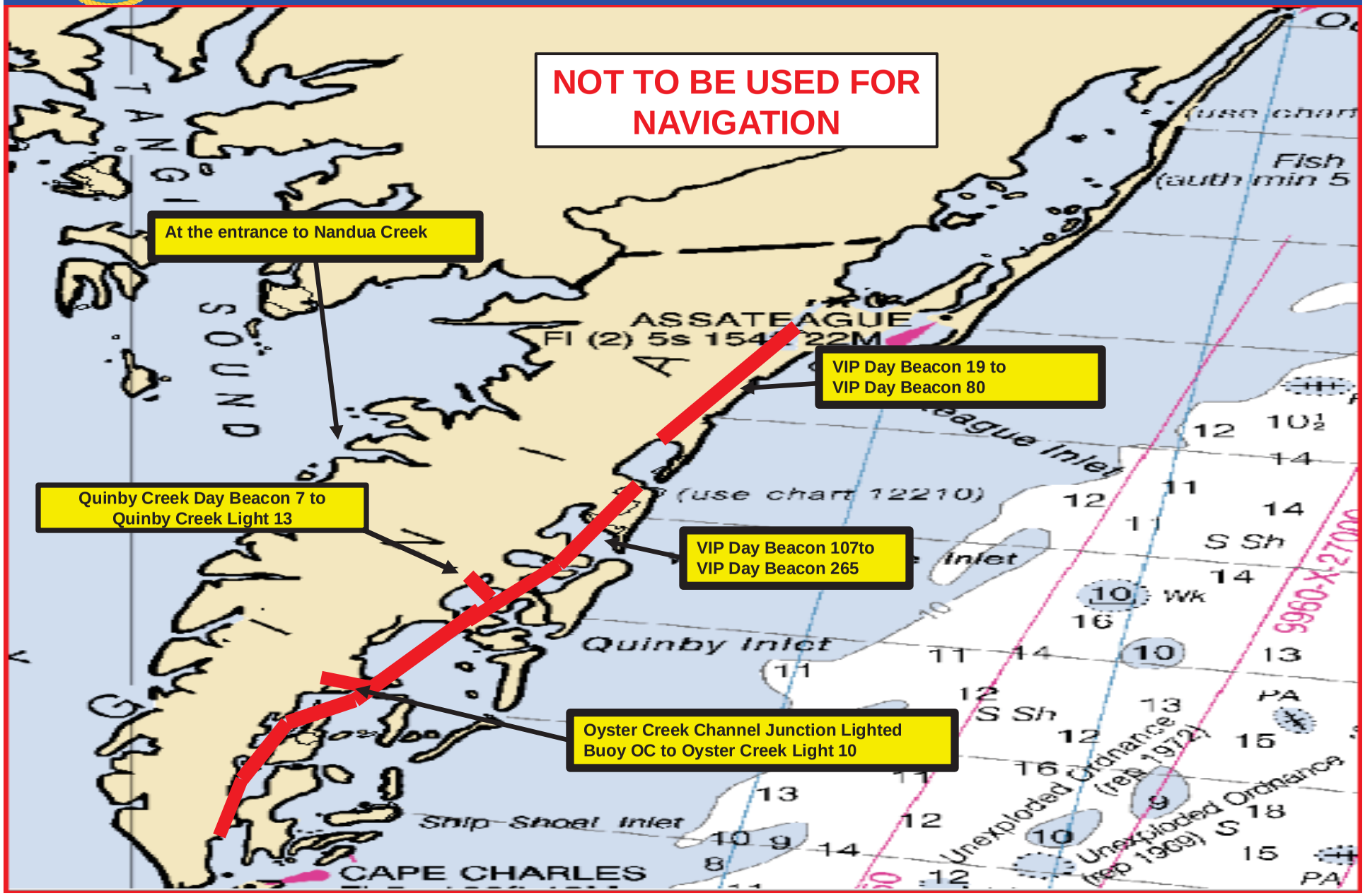
AREA	MAINTENANCE	DESCRIPTION	BNM/ MSIB/ LNM
Oregon Inlet	Dredging	Dredge Murden 07/04/2016	206-16

Fireworks Location	Fireworks Sponsor / Event Name	On Scene Assets	Safety Zone	Date
Washington, NC	Washington-Beaufort County Chamber of Commerce	24ft Station Boat	Station Hobucken	10June16

AREA	MARINE EVENT	DESCRIPTION	On Scene Assets	MEP
N/A				



WWM VIP SHOALING



WWM SHOALING LIST

NTM	AREA	SHOALING DESCRIPTION
BNM 311-13	Nandua Creek	Shoaling at the entrance to Nandua Creek to 2 FT MLW
LNM 24/13	VIP Day Beacon 189 to VIP Light 230	Shoaling to less than 6 FT MLW
LNM 24/13	Sand Shoal Channel Light 1 to Sand Shoal Light 10	Shoaling to less than 6 FT MLW
LNM 24/13	VIP Day Beacon 139 to VIP Day Beacon 184	Shoaling to less than 6 FT MLW
LNM 24/13	VIP Warning Day Beacon AA to VIP Day Beacon 121	Shoaling to less than 6 FT MLW
BNM 170-14	Queen Creek entrance light 2QC to day beacon 10	Shoaling to less than 3 FT MLW
BNM 272-14	Cape Charles to Wolf Trap inside passage Day Beacon 244	Shoaling depth of 1 FT MLW
BNM 293-14	East of Long Creek Day Beacon 7 IVO of Pleasure House Point	Shoaling depth of 2.4 FT MLW
BNM 030-15	Between Milford Haven East Light 6 and Light 9	Shoaling depth of 3 FT MLW

WWM SHOALING LIST cont

NTM	AREA	SHOALING DESCRIPTION
BNM 182-15	Extending 50 yards Channelward from Horn Harbor Light 8	Shoaling depth of 1-2 FT 1 hour before low tide
BNM 573-15	Milford Haven Channel IVO light 3 extending 100 yds east of daybeacon 3A	Shoaling depths of less than 1 FT MLW reported in the Federal Channel.
BNM 549-15	Urbanna Creek – LT 5 to LT 7 less than 2 feet of available depth	Shoaling depth less than 2 FT at MLW
LNM 13/16	RUDEE INLET	Shoaling to 7ft at MLW middle of channel entrance
BNM 104-16	Quinby Creek Day Beacon 7 to Quinby Creek Light 13	Shoaling to less than 6 FT MLW
BNM 105-16	VIP Day Beacon 19 to VIP Day Beacon 80	Shoaling to less than 6FT MLW
BNM 106-16	VIP Day Beacon 107 to VIP Day Beacon 265	Shoaling to less than 6FT MLW
BNM 107-16	Oyster Creek Channel Lighted Junction Buoy OC to Oyster Creek Light 10	Shoaling to less than 6 FT MLW

WWM DREDGING PROJECTS

BNM	DATES	AREA	DESCRIPTION
170-16	Thru 08 JUL 2016	Western Branch of Lynnhaven River & Old Donation Creek	Daylight hours only.
152-16 BNM	Thru 15 JUL 2016	Elizabeth River Buoy 7 thru Buoy 25	7 days a week, 24 hours a day.
120-16 LNM 19/16	Thru 31 JUL 2016	Skiffes Channel IVO Joint Base Langley-Eustis	7 days a week, 24 hours a day.
LNM 20/16	Thru 15 SEP 2016	Cherrystone Inlet Channel	7 days a week, 24 hours a day.
167-16	Thru 31 AUG 2016	Southern Branch of Elizabeth River	IVO Route 337. Monday-Saturday, 12 hr. ACE Superfund Site.

WWM BRIDGES

NTM	PROJECT	DATES	AREA	DESCRIPTION
BNM 155-16 MSIB 16-032	Norfolk and Western RR	JUN 6-9;13-16 and 20-23	AICW, Elizabeth River S	Installing new tie deck.
MSIB 16-035	Norfolk Southern #7 RR Bridge	27-28 JUN 16	Elizabeth River/Southern Branch	Closures 0900-1300. 7 ft MHW.
BNM 135-16 MSIB 16/029	Coleman Bridge	19 JUN, 10 JUL 16	York River MM 7.0	Closures 0700-1900. 60 ft MHW.
LNM	Route 205/James Monroe	Thru 01 JUL 16	Mattox Creek	Fixed bridge replacement
BNM 136-16 MSIB 16/030	North Landing Bridge	Thru 01 OCT 16	AICW	Repairs from allision. Altered opening schedule
LNM	Veterans Bridge (Dom Blvd)	Thru 01 APR 17	Elizabeth River/Southern Branch	VC 100 ft above MHW. HC 125ft
LNM 157-16	John A Lesner Bridge	10 JUN 14 - 01JUL17	Lynnhaven Inlet	Bridge expansion. 2 hour channel closures, daily, 31 MAY – 30 JUN 16

WWM PROJECTS

NTM	PROJECT	DATES	AREA	DESCRIPTION
BNM 158-16	Dive Ops	31 MAY – 01 JUL 16	Western Branch Elizabeth River	Removal of abandoned 36” raw water main line #2. Divers will min. encroach west side of channel.
BNM 401-15	James River Fishing Pier	Thru 28 AUG 16	James River	James River Fishing Pier Demo & Replacement.

WWM MARINE EVENTS

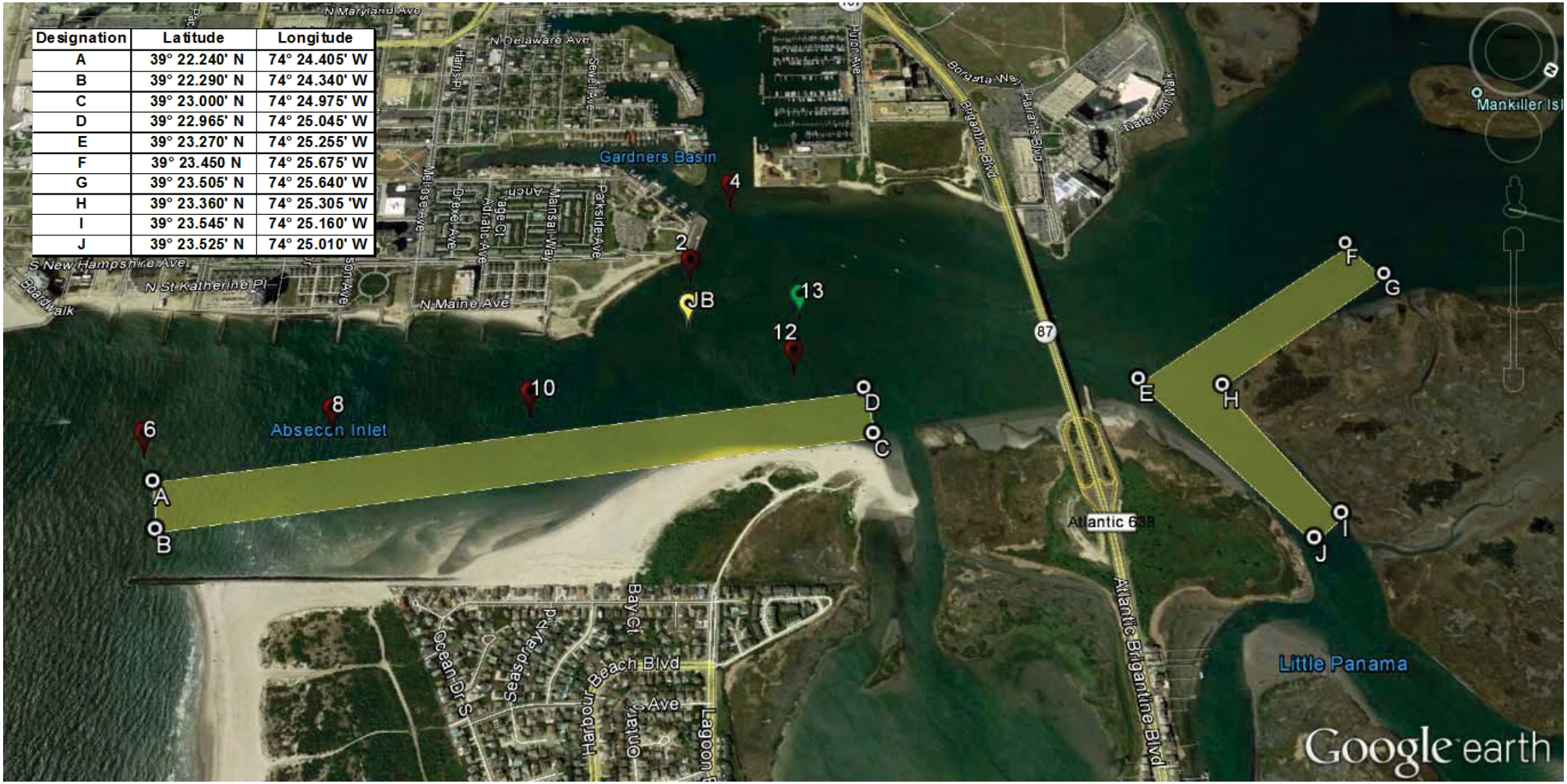
DATE	EVENT	AREA/WATERWAY	DESCRIPTION
08 JUN 16	HYC Wednesday Night Races	Hampton Flats	Sailboat Race
09 JUN 16	Harborfest Challenge Regatta	Chesapeake Bay, Hampton Roads, Elizabeth River	Sailboat Regatta
11 JUN 16	40th Annual Harborfest Fireworks	Elizabeth River IVO Town Point Reach	Fireworks
10-12 JUN 16	40th Annual Harborfest	Elizabeth River IVO Town Point Reach	Festival
11-12 JUN 16	Flying Scott Wife-Husband Regatta	Chesapeake Bay IVO Gwynn Island	Sailboat Regatta
12 JUN 16	Jamestown Triathlon	James River IVO Jamestown Beach	Triathlon

WWM DEADSHIP TOWS

DATE	NAME /LENGTH	POC	FROM	TO
22-23 JUN 16	Staten Island Ferry ANDREW J BARBERI / 310 FT	Capt Dean Fabian	Staten Island, NY	Colonnas SY Norfolk, VA

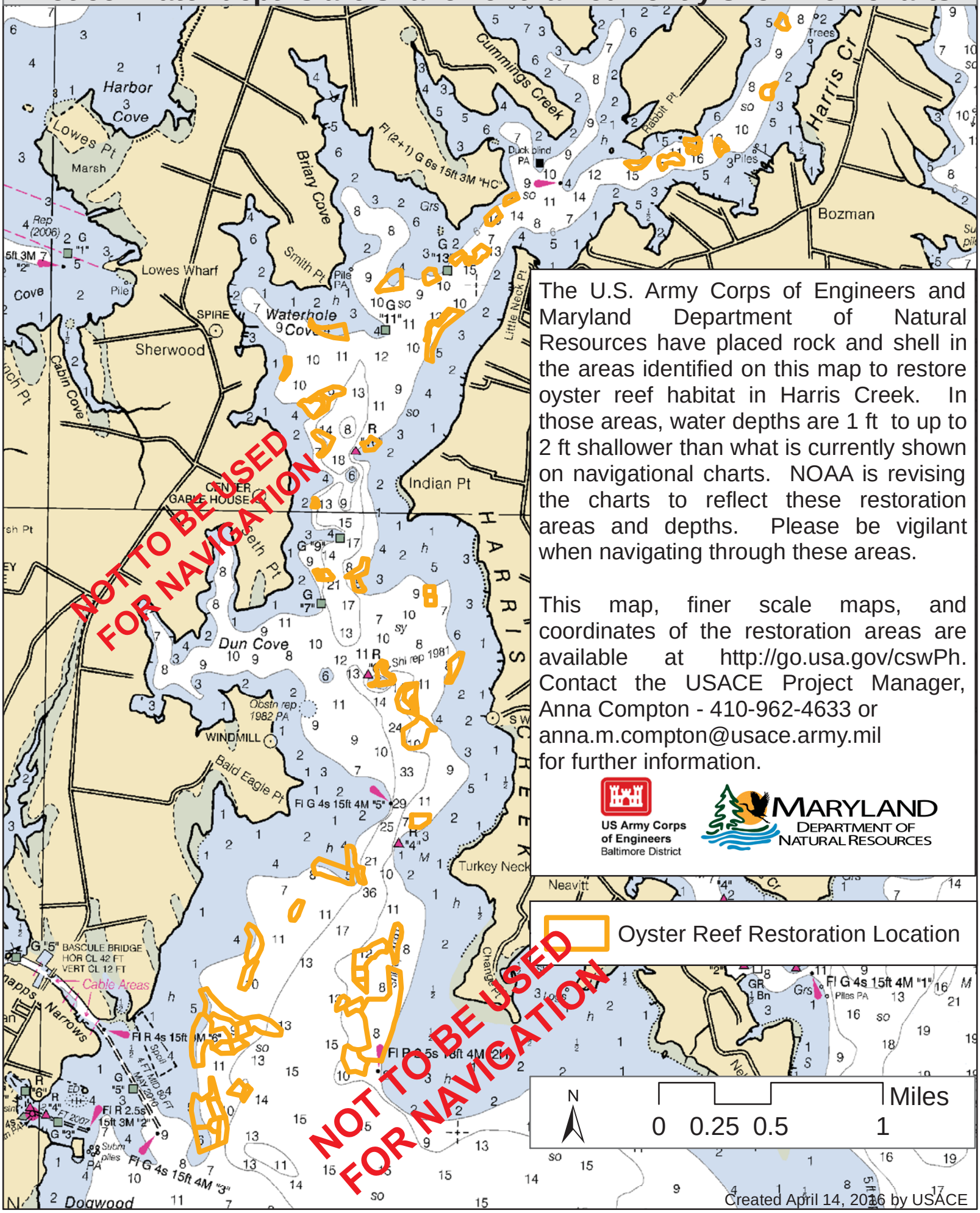
GLDD Absecon Inlet NTM Map

NOT TO BE USED FOR NAVIGATION



Designation	Latitude	Longitude
A	39° 22.240' N	74° 24.405' W
B	39° 22.290' N	74° 24.340' W
C	39° 23.000' N	74° 24.975' W
D	39° 22.965' N	74° 25.045' W
E	39° 23.270' N	74° 25.255' W
F	39° 23.450 N	74° 25.675' W
G	39° 23.505' N	74° 25.640' W
H	39° 23.360' N	74° 25.305 'W
I	39° 23.545' N	74° 25.160' W
J	39° 23.525' N	74° 25.010' W

Harris Creek Oyster Restoration
Notice: water depths are shallower than currently shown on charts

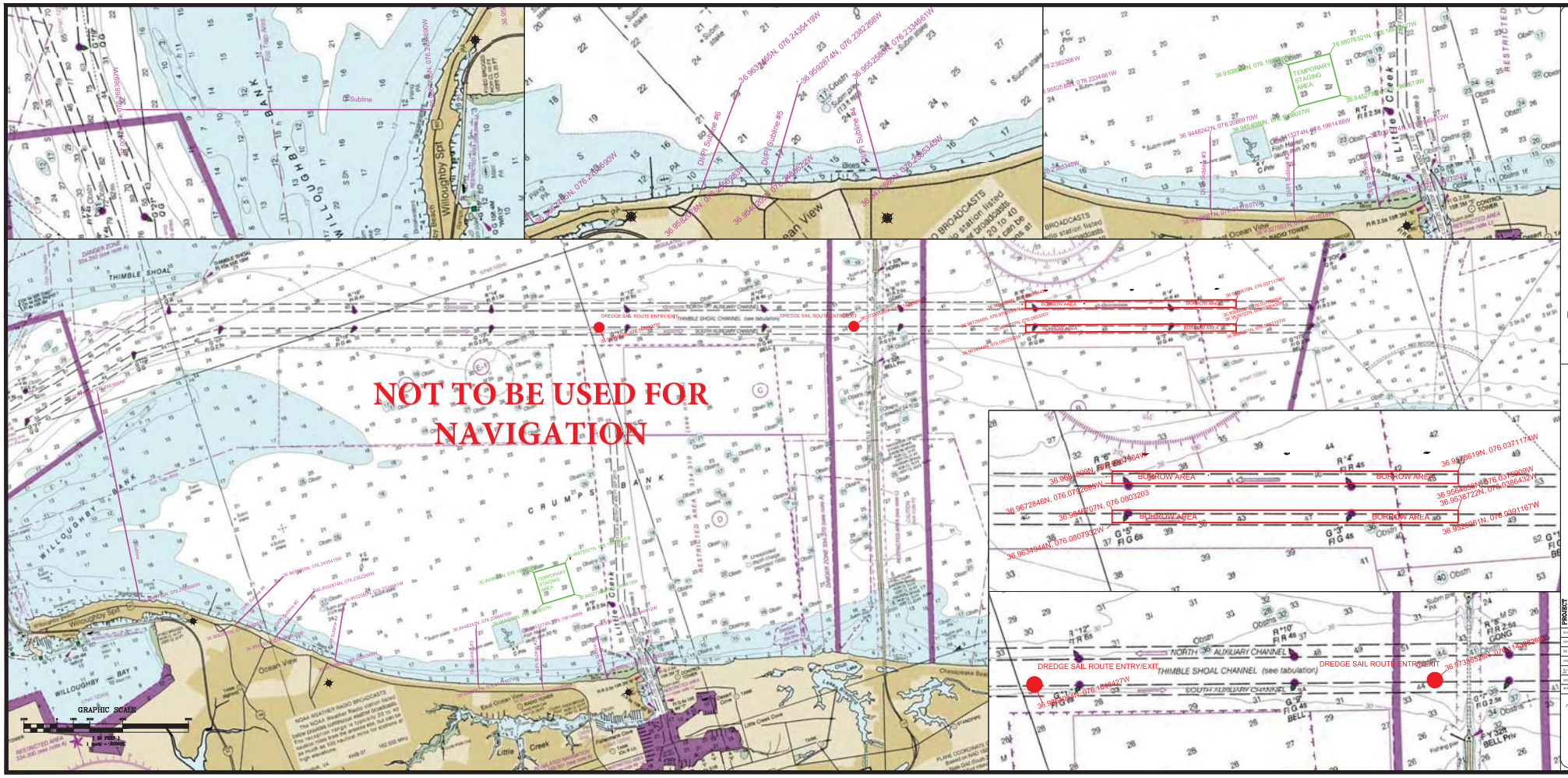


The U.S. Army Corps of Engineers and Maryland Department of Natural Resources have placed rock and shell in the areas identified on this map to restore oyster reef habitat in Harris Creek. In those areas, water depths are 1 ft to up to 2 ft shallower than what is currently shown on navigational charts.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

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

US Army Corps of Engineers
Baltimore District

MARYLAND
DEPARTMENT OF NATURAL RESOURCES



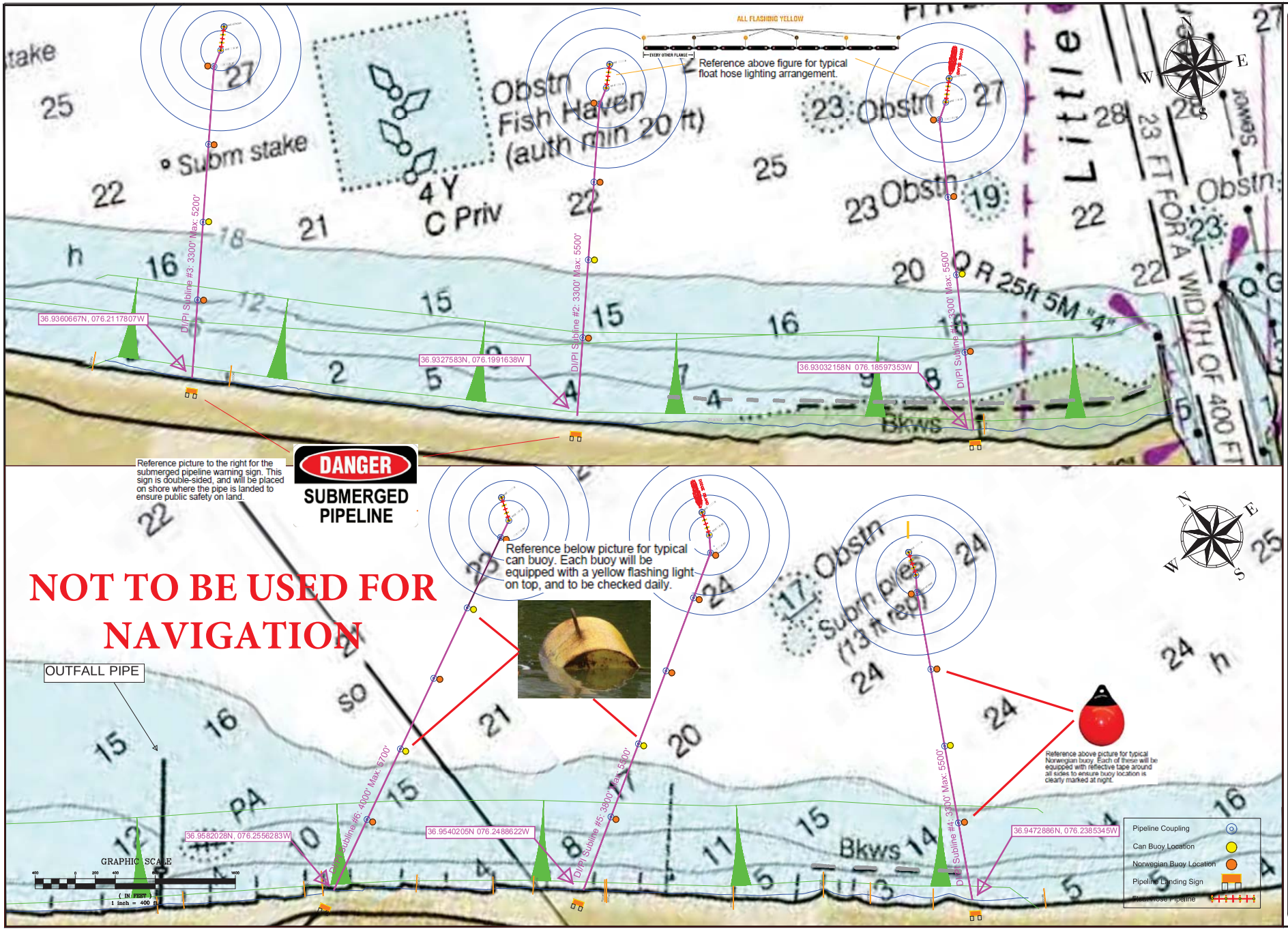
GREAT LAKES DREDGE AND DOCK COMPANY
2122 York Road Oak Brook IL 60521
CIVIL ENGINEERING/ SURVEYING DIVISION
Phone: 630 574-3000 Fax: 630 574-1515

WILLOUGHBY SPIT
HURRICANE AND STORM REDUCTION

TITLE/SURVEY TITLE
WILLOUGHBY SPIT NOTICE TO MARINERS

PROJECT	
SCALE	1:2000
DATE	June 09, 2016
REVISION NO.	15-03
CONTRACT NO.	W912HN-16-C-0003
SURVEY DATA (Field Book, Drawing, etc.)	
DRAWN BY	A. Dirth
APPROVED BY	A. Dirth

PAGE 01 OF 01 PAGES



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

PROJECT: WILLOUGHBY SPIT HURRICANE AND STORM REDUCTION

TITLE/SURVEY TITLE: DIPI LIGTH PLAN LAYOUT

SCALE:	1:CD0
DATE:	JUNE 6, 2016
GLDD JOB NO:	15613
USACE JOB NO:	W91236-16-C-0003
FILE NAME:	15613 - N Blue LIGHT PLAN DI Drwg ACD.dwg
DESIGNED BY:	A. DIRTH
APPROVED BY:	A. DIRTH

PAGE 01 OF 01 PAGES

PROJECT

WILLOUGHBY SPIT HURRICANE AND STORM REDUCTION

TITLE/SURVEY TITLE

LI LIGHT PLAN LAYOUT

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

DRAWN	A.DIRTH
DESIGN	A.DIRTH
APPROVED	
DATE	JUNE 23 2016
SCALE	1:30
DRAWING	15613
DESIGN NO.	W912HN-16-C-0003
PAGE	01 OF 01 PAGES

REVISIONS

DESCRIPTION	DATE