LOCAL NOTICE TO MARINERS

District: 5

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

LOCAL NOTICE TO MARINERS

District: 5

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 https://www.navcen.uscg.gov/?pageName=lnmDistrict&region=5.

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

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

or for correspondence and article requests:
ward.b.posey@uscg.mil, (757) 398-6229 and CGD5Waterways@uscg.mil

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

AIDS TO NAVIGATION DISCREPANCY REPORTING

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

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

REFERENCES

U.S. Coast Pilot 4, Atlantic Coast: Cape Henry, VA to Key West, FL, 2018 (50th) Edition.

NAVIGATIONAL INTERNET SITES

2019 Light List/ Weekly Updates.

Bridges Public Notice Website.
https://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

D5 LNM Archived Back Issues
https://www.navcen.uscg.gov/?pageName=lnmDistrict&region=5

Chesapeake Bay NOAA Weather Buoys
www.buoybay.noaa.gov

Tides, Currents, PORTS
http://www.tidesandcurrents.noaa.gov/
Weather
http://www.weather.gov/
### ABBREVIATIONS

<table>
<thead>
<tr>
<th>A through H</th>
<th>I through O</th>
<th>P through Z</th>
</tr>
</thead>
<tbody>
<tr>
<td>ADRIFT - Buoy Adrift</td>
<td>I - Interrupted</td>
<td>PRIV - Private Aid</td>
</tr>
<tr>
<td>AICW - Atlantic Intracoastal Waterway</td>
<td>ICW - Intracoastal Waterway</td>
<td>Q - Quick</td>
</tr>
<tr>
<td>AI - Alternating</td>
<td>IMCH - Improper Characteristic</td>
<td>R - Red</td>
</tr>
<tr>
<td>B - Buoy</td>
<td>INL - Inlet</td>
<td>RACON - Radar Transponder Beacon</td>
</tr>
<tr>
<td>BKW - Breakwater</td>
<td>INOP - Not Operating</td>
<td>Ra ref - Radar reflector</td>
</tr>
<tr>
<td>BI - Blast</td>
<td>INT - Intensity</td>
<td>RBN - Radio Beacon</td>
</tr>
<tr>
<td>BNM - Broadcast Notice to Mariner</td>
<td>ISL - Islet</td>
<td>REBUILT - Aid Rebuilt</td>
</tr>
<tr>
<td>bu - Blue</td>
<td>ISO - Isophase</td>
<td>RECOVERED - Aid Recovered</td>
</tr>
<tr>
<td>C - Canadian</td>
<td>KHz - Kilohertz</td>
<td>RED - Red Buoy</td>
</tr>
<tr>
<td>CHAN - Channel</td>
<td>LAT - Latitude</td>
<td>REFL - Reflective</td>
</tr>
<tr>
<td>CGD - Coast Guard District</td>
<td>LB - Lighted Buoy</td>
<td>RRL - Range Rear Light</td>
</tr>
<tr>
<td>C/O - Cut Off</td>
<td>LBB - Lighted Bell Buoy</td>
<td>RELIGHTED - Aid Relit</td>
</tr>
<tr>
<td>CONT - Contour</td>
<td>LHB - Lighted Horn Buoy</td>
<td>RELOC - Relocated</td>
</tr>
<tr>
<td>CRK - Creek</td>
<td>LGB - Lighted Gong Buoy</td>
<td>RESET ON STATION - Aid Reset on Station</td>
</tr>
<tr>
<td>CONST - Construction</td>
<td>LONG - Longitude</td>
<td>RFL - Range Front Light</td>
</tr>
<tr>
<td>DAYMK/Daymk - Daymark</td>
<td>LNM - Local Notice to Mariners</td>
<td>RIV - River</td>
</tr>
<tr>
<td>DBN/Dbn - Daybeacon</td>
<td>LT - Light</td>
<td>RRASS - Remote Radio Activated Sound Signal</td>
</tr>
<tr>
<td>DBD/DAYBD - Dayboard</td>
<td>LT CONT - Light Continuous</td>
<td>s - seconds</td>
</tr>
<tr>
<td>DEFC - Defaced</td>
<td>LTR - Letter</td>
<td>SEC - Section</td>
</tr>
<tr>
<td>DEST - Destroyed</td>
<td>LWB - Lighted Whistle Buoy</td>
<td>SHL - Shoaling</td>
</tr>
<tr>
<td>DISCON - Discontinued</td>
<td>LWP - Left Watching Properly</td>
<td>si - silent</td>
</tr>
<tr>
<td>DMGD/DAMGD - Damaged</td>
<td>Mhz - Megahertz</td>
<td>SIG - Signal</td>
</tr>
<tr>
<td>ec - eclipse</td>
<td>MISS/MSNG - Missing</td>
<td>SND - Sound</td>
</tr>
<tr>
<td>EST - Established Aid</td>
<td>Mo - Morse Code</td>
<td>SP - Single Point Mooring Buoy</td>
</tr>
<tr>
<td>ev - every</td>
<td>MRASS - Marine Radio Activated Sound Signal</td>
<td>SS - Sound Signal</td>
</tr>
<tr>
<td>EVAL - Evaluation</td>
<td>MSLD - Misleading</td>
<td>STA - Station</td>
</tr>
<tr>
<td>EXT - Extinguished</td>
<td>N/C - Not Charted</td>
<td>STRUCT - Structure</td>
</tr>
<tr>
<td>F - Fixed</td>
<td>NGA - National Geospatial-Intelligence Agency</td>
<td>ST M - Statute Mile</td>
</tr>
<tr>
<td>fl - flash</td>
<td>NO/NUM - Number</td>
<td>TEMP - Temporary Aid Change</td>
</tr>
<tr>
<td>Fl - Flashing</td>
<td>NOS - National Ocean Service</td>
<td>TMK - Topmark</td>
</tr>
<tr>
<td>G - Green</td>
<td>OBSU - Obscured</td>
<td>TRLB - Temporarily Replaced by Lighted Buoy</td>
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<tr>
<td>GIWW - Gulf Intracoastal Waterway</td>
<td>OBST - Obstruction</td>
<td>TRLT - Temporarily Replaced by Light</td>
</tr>
<tr>
<td>HAZ - Hazard to Navigation</td>
<td>OBSTR - Obstruction</td>
<td>TRUB - Temporarily Replaced by Unlighted Buoy</td>
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<tr>
<td>HBR - Harbor</td>
<td>Oc - Occulting</td>
<td>USACE - Army Corps of Engineers</td>
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<tr>
<td>HOR - Horizontal Clearance</td>
<td>ODAS - Anchored Oceanographic Data Buoy</td>
<td>W - White</td>
</tr>
<tr>
<td>HT - Height</td>
<td></td>
<td>Y - Yellow</td>
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</table>

**Additional Abbreviations Specific to this LNM Edition:** None

### SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

**** NEW OR UPDATED INFORMATION IN THE LOCAL NOTICE TO MARINERS ****

In an effort to bring attention to new, updated or very important information in the Local Notice to Mariners (LNM) this information will be preceded and followed by four asterisks.

LNM: 25/16

****VA - CHESAPEAKE BAY – NORFOLK HARBOR - ELIZABETH RIVER – HARBORFEST 2019****

The 42nd Annual Norfolk Harborfest Celebration is expected to draw a large number of spectator vessel in the vicinity of Town Point Reach. To assist in maintaining a safe waterway, The Captain of the Port, Hampton Roads will be enforcing a special local regulation from Friday, June 7 through Sunday, June 9, 2019. Some of the Harborfest events could present hazards to mariners transiting the area. To protect vessel operators from the hazards associated with the Parade of Sail, fireworks display, and workboat races, the Elizabeth River in the vicinity of Town Point Park will be closed from time to time during the hours of Noon to 11 p.m. on June 7 through June 9, 2019. During the scheduled closures,
vessels shall not enter the regulated area. Operators must stop their vessel immediately upon being directed to do so and must proceed as
directed by any law enforcement vessels. A Coast Guard patrol will be on scene monitoring VHF channels 13 and 16 during these events.
Mariners are requested to use extreme caution when transiting the area.

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:
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:
https://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.

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
cautionsed 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.

INTERFERENCE WITH AIDS TO NAVIGATION
U. S. Code, Title 14, Part I, Chapter 5, § 84. It shall be unlawful for any person, or public body, or instrumentality, excluding the armed forces, to
remove, change the location of, obstruct, willfully damage, make fast to, or interfere with any aid to navigation established, installed, operated, or maintained by the Coast Guard pursuant to section 81 of this title, or with any aid to navigation lawfully maintained under authority granted by the Coast Guard pursuant to section 83 of this title, or to anchor any vessel in any of the navigable waters of the United States so as to obstruct or interfere with range lights maintained therein. Whoever violates the provisions of this section shall be guilty of a misdemeanor and shall be fined not more than $1,500 for each offense. Each day during which such violation shall continue shall be considered as a new offense. U. S. Code, Title 14, Part I, Chapter 5, § 84.

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

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Coast Guard District 5
04 June 2019
WESTERN ATLANTIC AND U.S. COASTAL WATERS - NORTH CAROLINA – SUNKEN MILITARY CRAFT ACT (SMCA) – PROHIBITION ON DISTURRING, 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.

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.

USCG NAVIGATIONAL INFORMATION SERVICE (NIS)/USCG NAVIGATION CENTER

USCG NAVIGATIONAL INFORMATION SERVICE (NIS)/USCG NAVIGATION CENTER 1.7

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 and DGPS. 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 (https://www.navcen.uscg.gov/gps/status/default.htm). In addition, the NIS investigates all reports of degradation or loss of GPS and DGPS 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 https://www.navcen.uscg.gov.

BROADCAST NOTICES TO MARINERS

Broadcast Notices to Mariners (BNMs) that are still in effect at the date of this publication.

Sector Delaware Bay (DB) - 134, 133, 130, 129, 128, 127, 126, 125, 119, 117-19.
Sector Maryland (MD) - 080, 143, 160, 161, 162, 163, 166, 167, 168-19.
Sector Hampton Roads (HR) -144, 143, 142, 141, 140, 139, 132-19.
Sector North Carolina (NC) -175, 176, 178, 179, 180-19.

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)

<table>
<thead>
<tr>
<th>LLNR</th>
<th>Aid Name</th>
<th>Status</th>
<th>Chart No.</th>
<th>BNM Ref.</th>
<th>LNM St</th>
<th>LNM End</th>
</tr>
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<tbody>
<tr>
<td>3</td>
<td>NOAA Lighted Data Buoy 44066 (ODAS)</td>
<td>ADRIFT</td>
<td>12300</td>
<td>021D5</td>
<td>04/19</td>
<td></td>
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<td>400</td>
<td>North Chesapeake Entrance Lighted Gong Buoy NCD</td>
<td>MISSING</td>
<td>12200</td>
<td>098HR</td>
<td>18/19</td>
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<td>455</td>
<td>Chesapeake Bay Southern Approach Lighted Buoy 9</td>
<td>REDUCED INT</td>
<td>12200</td>
<td>013HR</td>
<td>03/19</td>
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</tbody>
</table>
460 Chesapeake Bay Southern Approach Lighted Buoy 10  REUD INT  12200  569HR  49/18
485 Chesapeake Bay Southern Approach Lighted Buoy 15  REUD INT  12200  014HR  03/19
490 Chesapeake Bay Southern Approach Lighted Buoy 16  REUD INT  12200  125HR  20/19
540 Dam Neck Firing Zone Lighted Buoy B  LT EXT  12208  20/19
570 Navy Air Combat Manuevering Range Tower Light A  LT EXT  12200  413NC  32/16
585 Navy Air Combat Manuevering Range Tower Light G  LT EXT  12200  407NC  27/12
635 NOAA Lighted Data Buoy 41001 (ODAS)  MISSNG  12200  537DS  35/17
637 NOAA Lighted Data Buoy 41025 (ODAS)  ADRTFT  11555  020DS  04/19
960 Barnegat Inlet Lighted Buoy 12  OFF STA  12324  067DB  10/19
1485 Delaware Bay Approach Lighted Whistle Buoy CH  RAC INOP  12214  084DB  16/19
1620 Delaware Bay Main Channel Light 32  LT EXT  12304  105DB  20/19
2050 Harbor Of Refuge North End Light 1  STRUC DEST/TRLB  12216  601DS  52/16
2275 Mispillion Inlet North Jetty Light 2  DAYMK MISSNG  12304  1250DB  23/19
2475 Hope Creek Jetty Light 1  DAYMK MISSNG  12311  119DB  22/19
2665 Salem River Entrance Channel Light 4  STRUC DEST/TRLB  12277  020DB  05/19
2670 Salem River Entrance Channel Light 5  REUD INT  12277  371DB  31/18
2680 Salem River Entrance Channel Light 7  REUD INT  12277  227DB  18/18
2874 Pea Patch Island Dike Warning Light E  LT EXT/STRUC DMGD  12311  433DB  39/18
2980 Cherry Island Range Rear Light  LT EXT  12312  038DB  08/19
3785 Upper Delaware River Channel Lighted Buoy 20  LT EXT  12314  127DB  23/19
3820 Enterprise Lower Range Front Light  LT IMCH  12314  117DB  22/19
4035 Upper Delaware River Channel Lighted Buoy 53  LT EXT  12314  130DB  23/19
4150 Kinkora Upper Range Rear Light  LT EXT  12314  616DB  47/15
4439 Middle Island West Channel Daybeacon 5  STRUC DEST  12216  145DB  09/18
4871 Isle of Wight Bay Lighted Wreck Buoy WR14  LT EXT  12211  152MD  21/19
5050 Sinoptuxent Bay Channel Daybeacon 11B  STRUC DEST/TRUB  12211  114MD  14/19
5200 Chincoteague Bay Lighted Buoy 28  OFF STA  12211  089HR  16/19
5510 Chincoteague Bay Lighted Buoy 28  OFF STA  12211  089HR  16/19
5895 Metomkin Light 11  STRUC DEST/TRLB  12210  183HR  08/18
6035 Bradford Bay Buoy 5A  SINKING/DAYMK MISSNG  12210  NONEHR  22/19
6050 Bradford Bay Buoy 2  SINKING/DAYMK MISSNG  12210  NONEHR  22/19
6053 Bradford Bay Buoy 1B  HAZ NAV/SINKING/DAYMK IMCH  12210  NONEHR  22/19
6390 Virginia Inside Passage Daybeacon 221  STRUC DEST/TRLB  12224  014HR  02/16
6610 Wachapreague Inlet Buoy 2  DAYMK DMGD  12210  NONEHR  22/19
6615 Wachapreague Inlet Buoy 3  DAYMK IMCH  12210  NONEHR  22/19
6620 Wachapreague Inlet Buoy 6  DAYMK DMGD  12210  NONEHR  22/19
6625 Wachapreague Inlet Lighted Buoy 5  DAYMK DMGD  12210  NONEHR  22/19
6625 Wachapreague Inlet Lighted Buoy 5  DAYMK IMCH  12210  NONEHR  22/19
6855 Great Machipongo Inlet Daybeacon 13  STRUC DEST/TRUB  12210  467HR  34/15
6895 Great Machipongo Channel Daybeacon 3  STRUC DEST/TRUB  12210  132HR  05/18
6920 Great Machipongo Channel Light 8  STRUC DEST/TRLB  12210  135HR  22/16
6991 Sand Shoal Channel Daybeacon 3  STRUC DEST/TRUB  12224  421HR  29/15
7080 Chesapeake Channel Lighted Buoy 10  LT EXT  12254  145HR  23/19
7295 Rappahannock Shoal Channel South Range Rear Light  LT EXT  12226  111HR  20/19
7435 Tangier Sound Light  DAYMK MISSNG  12228  133HR  22/19
8340 Love Point Light  DAYMK MISSNG  12272  132MD  17/19
9105 Back Creek Channel Range Front Light  STRUC DEST/TRLB  12277  030MD  04/19
9110 Back Creek Channel Range Rear Light  LT EXT  12277  270MD  29/17
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<tr>
<th>ID</th>
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<th>Status</th>
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<tr>
<td>9180</td>
<td>Back Creek Channel Light 28</td>
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<td>12277</td>
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<td>9355</td>
<td>Naval Ordnance Lighted Buoy P</td>
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<td>9370</td>
<td>Norfolk Entrance Range Front Light</td>
<td>LT EXT</td>
<td>12245</td>
<td>472HR</td>
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<td>9831</td>
<td>Portsmouth Marine Terminal Buoy 8</td>
<td>MISSING/TRLB</td>
<td>12253</td>
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<td>10410</td>
<td>Broad Bay Channel Daybeacon 17</td>
<td>STRUCT DEST</td>
<td>12254</td>
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<td>10420</td>
<td>Broad Bay Channel Daybeacon 18</td>
<td>STRUCT DEST/TRLB</td>
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<td>10575</td>
<td>Willoughby Bay Channel Warning Daybeacon A</td>
<td>STRUCT DEST/TRLB</td>
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<td>Newport News Obstruction Light</td>
<td>DAYMK IMCH</td>
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<td>11420</td>
<td>Jones Creek Daybeacon 2</td>
<td>DAYMK MISSING</td>
<td>12248</td>
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<td>11460</td>
<td>Pagan River Channel Daybeacon 21</td>
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<td>11735</td>
<td>Mulberry Island Entrance Daybeacon 2</td>
<td>DAYMK MISSING</td>
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<td>11893</td>
<td>Hog Island Cutoff Wreck Light WR7</td>
<td>STRUCT DEST/HAZ NAV/TRLB</td>
<td>12248</td>
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<td>12385</td>
<td>James River Channel Lighted Buoy 89</td>
<td>LT EXT</td>
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<td>113HR</td>
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<tr>
<td>12660</td>
<td>James River Channel Lighted Buoy 138</td>
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| 31275 | Southern Shores Daybeacon 2 | DAYMK IMCH | 12204 | NONENC | 30/17 |
| 31305 | Southern Shores Junction Daybeacon J G | STRUCT DEST | 12204 | NONENC | 30/17 |
| 31315 | Southern Shores Daybeacon 10 | STRUCT DEST | 12204 | NONENC | 30/17 |
| 31350 | Colington Harbor Entrance Daybeacon 3 | STRUCT DEST | 12205 | NONENC | 30/17 |
| 31416.5 | Whitehall Shores Channel Daybeacon 2 | DAYMK MISSING | 12206 | 585NC | 47/17 |
| 31419.6 | Whitehall Shores West Channel Daybeacon 1 | DAYMK MISSING | 12206 | 584NC | 47/17 |
| 32725.16 | Swanquarter PPA Warning Daybeacon R | STRUCT DEST | 11548 | 424NC | 33/16 |
| 32725.23 | Swanquarter PPA Warning Daybeacon X | STRUCT DEST | 11548 | 089NC | 09/16 |
| 32725.24 | Swanquarter PPA Warning Daybeacon Y | STRUCT DEST | 11548 | NONENC | 09/16 |
| 33427.5 | Swan Point Warning Daybeacon B | DAYMK MISSING | 11552 | 177NC | 12/15 |
| 33428 | Swan Point Warning Light C | DAYMK MISSING | 11552 | 178NC | 12/15 |
| 33428.5 | Swan Point Warning Daybeacon D | DAYMK MISSING | 11552 | 179NC | 12/15 |
| 33597 | Neuse River UNC Lighted Data Buoy A | MISSING | 11544 | 447NC | 35/16 |
| 35230 | Manahawkin Bay Lower Warning Light | LT EXT | 12324 | 371DB | 32/13 |
| 35780 | Absecon Waterway Upper Pier Light | LT IMCH | 12316 | 521DB | 38/14 |
| 35855 | Absecon Waterway Lower Pier Light | LT IMCH | 12316 | 522DB | 38/14 |
| 36777.3 | Cape May Village Daybeacon 4 | STRUCT DEST | 12316 | 556DB | 41/15 |
| 38535 | Triple S. Marina Daybeacon 1 | STRUCT DEST | 11547 | 200NC | 18/17 |
| 39135 | Cow Creek Channel Daybeacon 4 | DAYMK MISSING | 11541 | 193NC | 23/19 |
| 39145 | Cow Creek Channel Daybeacon 7 | DAYMK MISSING | 11541 | 194NC | 23/19 |
| 39150 | Cow Creek Channel Daybeacon 9 | DAYMK MISSING | 11541 | 195NC | 23/19 |
| 39180 | Cow Creek Channel Daybeacon 15 | DAYMK MISSING | 11541 | 196NC | 23/19 |
| 39621.4 | Bradley Creek Daybeacon 4 | DAYMK MISSING | 11541 | 391NC | 32/17 |
| 39621.9 | Bradley Creek Light 9 | LT IMCH | 11541 | 414NC | 34/17 |
| 39623.3 | Bradley Creek Light 14 | DAYMK IMCH | 11541 | 487NC | 40/17 |
| 40017 | Cape Fear River Warning Light A | LT EXT | 11534 | 045NC | 06/17 |
| 4282 | Asquith Creek Daybeacon 6 | DAYMK IMCH | 12282 | 520MD | 45/14 |
| 42216 | Beach Cove South Channel Daybeacon 8 | MISSING | 12216 | NONEAC | 10/06 |
| 4213 | Big Timber Creek Buoy 12 | OFF STA | 12313 | 428DB | 38/18 |
| 42253 | Broad Creek Daybeacon 17 Eastern | STRUCT DEST | 12253 | 377HR | 50/17 |
| 42225 | Branch Elizabeth R | MISSING | 12225 | NONEDS | 24/05 |
| 42221 | Cherrystone Artificial Reef Buoy | MISSING | 12221 | NONEDS | 24/05 |
| 42222 | Colington Harbor Entrance Light 5 | DAYMK DMGD | 12222 | 290NC | 26/17 |
| 42222 | Colington Harbor Entrance Light 6 | DAYMK DMGD | 12222 | 30NC | 30/17 |
| 42278 | Dividing Creek Warning Buoy A (Magothey River) | OFF STA | 12278 | 14/19 |
| 42338 | Fox Hill Channel Daybeacon 4 | DAYMK DMGD | 12238 | 173HR | 23/12 |
| 42238 | Fox Hill Channel Daybeacon 6 | STRUCT DEST | 12238 | 174HR | 23/12 |
| 42222 | Gosnold Hope Channel Daybeacon 2 | STRUCT DEST | 12222 | NONEHR | 07/18 |
| 42222 | Gosnold Hope Channel Daybeacon 6 | STRUCT DEST | 12222 | 242HR | 12/18 |
| 42278 | Greenhill Cove Buoy 1 / S102NAV1 | OFF STA | 12278 | 381MD | 27/18 |
| 42270 | Hambleton Cove Daybeacon 1 | STRUCT DEST | 12270 | 324MD | 22/18 |
| 42270 | Hambleton Cove Daybeacon 3 | STRUCT DEST | 12270 | 325MD | 22/18 |
| 42238 | Harris River Approach Daybeacon 10 | DAYMK DMGD | 12238 | NONEHR | 05/12 |
| 42221 | Indian River Bay Shellfish Excl. Buoy | MISSING | 12221 | NONEAC | 08/12 |
| 42205 | jean Guitre Creek Daybeacon 1 | STRUCT DEST | 12205 | NONEAC | 33/17 |
| 42205 | Jean Guitre Creek Daybeacon 2 | DAYMK IMCH | 12205 | NONENC | 33/17 |
| 42270 | John's Creek Buoy 10 | OFF STA | 12270 | 385MD | 28/18 |
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| 42270 | John's Creek Buoy 3 | LT IMCH | 12270 | 318HR | 37/16 |
| 42270 | Mike's Crab House Pier Light B (South River) | LT EXT | 12270 | 370MD | 27/18 |
| 12264 | Parkinson Oyster Reef Warning Daybeacon A | DAYMK MISSING | 12264 | NONEMD | 36/18 |
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PLATFORM DISCREPANCIES

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PLATFORM DISCREPANCIES CORRECTED

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

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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.

<table>
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<th>Chart Number</th>
<th>Chart Edition</th>
<th>Date to Mariners</th>
<th>Horizontal Datum Reference</th>
<th>Source of Correction</th>
<th>Current Local Notice to Mariners</th>
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<td>12327</td>
<td>91st Ed.</td>
<td>19-APR-97</td>
<td>NAD 83</td>
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Chart Title: NY-NJ-NEW YORK HARBOR - RARITAN RIVER

Add NATIONAL DOCK CHANNEL BUOY 3 at 40-41-09.001N 074-02-48.001W.

Corrective Action

(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.

11534

Chart Title: Intracoastal Waterway Myrtle Grove Sound and Cape Fear River to Casino Creek

CHANGE Oak Island Channel Daybeacon 2 to Oak Island Channel Light 2, FIR 4s, 33-54-02.977N 078-01-15.263W.

PLATFORM TEMPORARY CHANGES

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PLATFORM TEMPORARY CHANGES CORRECTED

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Approaches to Cape Fear River

Main Panel 211  APPROACHES TO CAPE FEAR RIVER. Page/Side: A

CHART  NC-CAPE FEAR RIVER. Page/Side: N/A

CHANGE  Oak Island Channel Daybeacon 2 to Oak Island Channel Light 2, Fl R 4s, 15ft, 4M at

CGD05  33-54-02.977N  078-01-15.263W

40th Ed.  01-FEB-15  Last LNM: 44/17  NAD 83

CHART NC-CAPE FEAR RIVER. Page/Side: N/A

CHANGE  Oak Island Channel Daybeacon 2 to Oak Island Channel Light 2, Fl R 4s, 15ft, 4M at

CGD05  33-54-02.977N  078-01-15.263W

42nd Ed.  01-FEB-19  Last LNM: 22/19  NAD 83

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

RELOCATE  Bogue Inlet Buoy 8

CGD05  from 34-38-56.763N  077-06-27.870W
to 34-38-56.591N  077-06-27.929W

66th Ed.  01-JUN-15  Last LNM: 23/19  NAD 83

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

RELOCATE  Barden Inlet Buoy 3

CGD05  from 34-37-06.262N  076-32-04.523W
to 34-37-09.449N  076-32-25.506W

RELOCATE  Barden Inlet Buoy 4

CGD05  from 34-37-04.800N  076-32-01.035W
to 34-37-08.550N  076-32-15.999W

RELOCATE  Barden Inlet Buoy 6

CGD05  from 34-37-16.342N  076-31-50.650W
to 34-37-14.353N  076-32-06.325W

RELOCATE  Barden Inlet Buoy 7

CGD05  from 34-37-24.194N  076-31-49.045W
to 34-37-39.714N  076-31-57.393W

RELOCATE  Barden Inlet Buoy 8

CGD05  from 34-37-34.574N  076-31-47.550W
to 34-37-28.087N  076-31-56.054W

RELOCATE  Barden Inlet Buoy WR5

CGD05  from 34-37-15.398N  076-31-55.268W
to 34-37-15.328N  076-32-10.256W

Pamlico Sound Western Part

CHART NC- PAMLICO SOUND. WESTERN PART. Page/Side: N/A

RELOCATE  Teaches Hole Channel Buoy 26

CGD05  from 35-04-42.966N  076-00-12.931W
to 35-04-40.144N  076-00-12.664W

RELOCATE  Teaches Hole Channel Lighted Buoy 25

CGD05  from 35-04-45.157N  076-00-18.286W
to 35-04-43.471N  076-00-17.432W

Ocracoke Inlet and Part of Core Sound

CHART OCRACOKE INLET & PART OF CORE SOUND. Page/Side: - -

RELOCATE  Teaches Hole Channel Buoy 26

CGD05  from 35-04-42.966N  076-00-12.931W
to 35-04-40.144N  076-00-12.664W

RELOCATE  Teaches Hole Channel Lighted Buoy 25

CGD05  from 35-04-45.157N  076-00-18.286W
to 35-04-43.471N  076-00-17.432W

Approaches to Cape Fear River

Main Panel 211  APPROACHES TO CAPE FEAR RIVER. Page/Side: A

CHART  NC-CAPE FEAR RIVER. Page/Side: N/A

CHANGE  Oak Island Channel Daybeacon 2 to Oak Island Channel Light 2, Fl R 4s, 15ft, 4M at

CGD05  33-54-02.977N  078-01-15.263W
Main Panel 525  
CAPE HATTERAS WIMBLE SHOALS TO OCRACOKE INLET - -.  
Page/Side: -

RELOCATE  
Teaches Hole Channel Buoy 26 
CGD05 
from 35-04-42.966N 076-00-12.931W 
to 35-04-40.144N 076-00-12.664W 

RELOCATE  
Teaches Hole Channel Lighted Buoy 25 
CGD05 
from 35-04-45.157N 076-00-18.286W 
to 35-04-43.471N 076-00-17.432W 

12222 56th Ed. 01-MAY-19 Last LNM: 15/19 NAD 83 23/19
ChartTitle: Chesapeake Bay Cape Charles to Norfolk Harbor

Main Panel 559  
CHESAPEAKE BAY CAPE CHARLES TO NORFOLK HARBOR - -.  
Page/Side: -

ADD  
Oyster Reef B PT 1 OF 3; Oyster Reef Chart No. 1: K46.2 (NOS NW-30511) 
NOS 36-54-12.480N 076-19-15.840W

ADD  
Oyster Reef B PT 2 OF 3; Oyster Reef Chart No. 1: K46.2 (NOS NW-30511) 
NOS 36-54-16.980N 076-19-15.600W

ADD  
Oyster Reef B PT 3 OF 3; Oyster Reef Chart No. 1: K46.2 (NOS NW-30511) 

12230 67th Ed. 01-JAN-17 Last LNM: 47/17 NAD 83 23/19
ChartTitle: Chesapeake Bay Smith Point to Cove Point

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

CHANGE  
Manokin River Channel Light 7 
Rename existing St. Peters Creek Light 1SP. 
CGD05 at 38-08-28.209N 075-49-53.360W

CHANGE  
St. Peters Creek Warning Daybeacon A 
Renamed Aid, NW on existing pile. 
CGD05 at 38-08-47.142N 075-49-12.948W

CHANGE  
St. Peters Creek Warning Daybeacon B 
Renamed aid, NW on existing pile. 
CGD05 at 38-08-49.992N 075-49-07.170W

12231 31st Ed. 01-MAY-16 Last LNM: 24/17 NAD 83 23/19
ChartTitle: Chesapeake Bay Tangier Sound Northern Part

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

CHANGE  
Manokin River Channel Light 7 
Rename existing St. Peters Creek Light 1SP. 
CGD05 at 38-08-28.209N 075-49-53.360W

CHANGE  
St. Peters Creek Warning Daybeacon A 
Renamed Aid, NW on existing pile. 
CGD05 at 38-08-47.142N 075-49-12.948W

CHANGE  
St. Peters Creek Warning Daybeacon B 
Renamed aid, NW on existing pile. 
CGD05 at 38-08-49.992N 075-49-07.170W

CHANGE  
St. Peters Creek Warning Daybeacon C 
Renamed aid, NW on existing pile. 
CGD05 at 38-09-04.206N 075-48-50.962W

CHANGE  
St. Peters Creek Warning Daybeacon D 
Renamed aid, NW on existing pile. 
CGD05 at 38-09-13.434N 075-48-48.254W

12245 70th Ed. 01-FEB-19 Last LNM: 18/19 NAD 83 23/19
ChartTitle: Hampton Roads

Main Panel 584  
HAMPTON ROADS VIRGINIA - -.  
Page/Side: -

ADD  
Oyster Reef C PT 1 OF 3; Oyster Reef Chart No. 1: K46.2 (NOS NW-30511) 
NOS 36-54-12.480N 076-19-15.840W

ADD  
Oyster Reef C PT 2 OF 3; Oyster Reef Chart No. 1: K46.2 (NOS NW-30511) 
NOS 36-54-16.980N 076-19-15.600W

ADD  
Oyster Reef C PT 3 OF 3; Oyster Reef Chart No. 1: K46.2 (NOS NW-30511) 

12263 58th Ed. 01-DEC-18 Last LNM: 47/17 NAD 83 23/19
OIL RIG MOVEMENT

Drill Rigs/Vessels Removed

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Drill Rigs/Vessels Established

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SECTION V - ADVANCE NOTICES

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

SUMMARY OF ADVANCED APPROVED PROJECTS

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Page 18 of 32
Coast Guard District 5
Advance Notice(s)

***NJ – SEACOAST – FIRE ISLAND TO SEA GIRT - DISCONTINUANCE OF AID TO NAVIGATION***
On or about the third week of July, the Coast Guard will discontinue Shark River Inlet Lighted Whistle Buoy SI (LLNR 7).
Charts: 12300 12301 12323 12326 13003 13006
LNM: 20/19

***NJ – SEACOAST – SEA GIRT TO LITTLE EGG INLET- DISCONTINUANCE OF AID TO NAVIGATION***
On or about the third week of July, the Coast Guard will discontinue Barnegat Lighted Buoy B (LLNR 10).
Charts: 12300 12301 12323 12326 13003 13006
LNM: 20/19

***NJ - LITTLE EGG INLET TO HEREFORD INLET - GREAT EGG HARBOR INLET – AID TO NAVIGATION CHANGE***
On or about the third week of July, the Coast Guard will discontinue Great Egg Harbor Inlet Outer Lighted Whistle Buoy GE (LLNR 70), then increase the buoy size of Great Egg Harbor Inlet Lighted Buoy 1 (LLNR 1270) and Great Egg Harbor Inlet Lighted Buoy 2 (LLNR 1275). Mariners will see an increase in daytime visibility of buoys and a nominal range of light to 6NM.
Charts: 12316 12318
LNM: 20/19

***NJ – MANASQUAN TO CAPE MAY – AIDS TO NAVIGATION CHANGES***
On or about the last week of July, the Coast Guard will convert the following fixed aids in the New Jersey Intracoastal Waterway to floating seasonal aids.
New Jersey Intracoastal Waterway Light 38 (LLNR 35115)
New Jersey Intracoastal Waterway Daybeacon 53 (LLNR 35196)
New Jersey Intracoastal Waterway Daybeacon 65 (LLNR 35245)
New Jersey Intracoastal Waterway Daybeacon 67 (LLNR 35250)
New Jersey Intracoastal Waterway Daybeacon 71 (LLNR 35275)
New Jersey Intracoastal Waterway Daybeacon 72 (LLNR 35280)
New Jersey Intracoastal Waterway Daybeacon 76 (LLNR 35295)
New Jersey Intracoastal Waterway Daybeacon 79 (LLNR 35305)
New Jersey Intracoastal Waterway Daybeacon 80 (LLNR 35310)
New Jersey Intracoastal Waterway Daybeacon 87 (LLNR 35340)
New Jersey Intracoastal Waterway Daybeacon 89 (LLNR 35350)
New Jersey Intracoastal Waterway Daybeacon 94 (LLNR 35365)
New Jersey Intracoastal Waterway Light 153 (LLNR 35620)
New Jersey Intracoastal Waterway Light 163 (LLNR 35655)
New Jersey Intracoastal Waterway Daybeacon 166 (LLNR 35670)
New Jersey Intracoastal Waterway Daybeacon 266 (LLNR 36020)
New Jersey Intracoastal Waterway Daybeacon 342 (LLNR 36280)
New Jersey Intracoastal Waterway Daybeacon 345 (LLNR 36290)
New Jersey Intracoastal Waterway Daybeacon 401 (LLNR 36475)
New Jersey Intracoastal Waterway Daybeacon 469A (LLNR 36690.1)
Charts: 12316 12324
LNM: 21/19

***MD – ST PETERS CREEK - MANKIN RIVER- AID TO NAVIGATION CHANGES***
Due to significant shoaling; depths range from 5.3’ to 1.7’, on or about June 3, 2019, the Coast Guard will make the following changes to the Aids to Navigation marking St. Peters Creek:
Convert St. Peters Creek Daybeacon 2 (LLNR 23440) to St. Peters Creek Warning Daybeacon A with NW dayboards worded “Danger Shoal”.
Convert St. Peters Creek Daybeacon 3 (LLNR 23445) to St. Peters Creek Warning Daybeacon B with NW dayboards worded “Danger Shoal”.
Convert St. Peters Creek Daybeacon 5 (LLNR 23450) to St. Peters Creek Warning Daybeacon C with NW dayboards worded “Danger Shoal”.
Convert St. Peters Creek Daybeacon 6 (LLNR 23455) to St. Peters Creek Warning Daybeacon D with NW dayboards worded “Danger Shoal”.
Charts: 12230 12231
LNM: 17/19

***VA – SEACOAST – OCEAN CITY TO CAPE HATTERAS – DISCONTINUANCE OF AIDS TO NAVIGATION***
On or about June 11, 2019, the Coast Guard will discontinue the following three lighted gunnery buoys off the Virginia Coast.
Surface Gunnery Area 8 Lighted Buoy GA (LLNR 347)
Surface Gunnery Area 8 Lighted Buoy GB (LLNR 348)
Surface Gunnery Area 8 Lighted Buoy GC (LLNR 349)
Charts: 12200 12208
LNM: 16/19

***VA – CHINCOTEAGUE INLET TO GREAT MACHIPONGO INLET - AID TO NAVIGATION CHANGES***
On June 11, 2019, the Temporary Lighted Replacement Buoy’s (TRUB); marking wreckage, from Metompkin Light 11 (LLNR 5895). Great Machipongo Inlet Daybeacon 13 (LLNR 6855) and Great Machipongo Channel Daybeacon 3 (LLNR 6895) will be made permanent until the wreckage can be removed.
Establish Metompkin Lighted Wreck Buoy WR11 (LLNR 5895) with a quick flashing green light in approximate position: 37 41 02.492N—75 36 16.980W.
Establish Great Machipongo Inlet Lighted Wreck Buoy WR13 (LLNR 6855) with a quick flashing green light in approximate position: 37 24 44.202N—75 45 40.812W.
Establish Great Machipongo Channel Lighted Wreck Buoy WR3 (LLNR 6895) with a quick flashing green light in approximate position: 37 27
*****VA – ELIZABETH RIVER - TEMPORARY CHANGES TO AIDS TO NAVIGATION IN SUPPORT OF 2019 HARBORFEST*****

The following temporary changes will be made to aids to navigation within the Elizabeth River Channel to enhance boater safety during the upcoming Harborfest celebration to be held June 7 through June 9, 2019. Upon completion of the Harborfest celebrations, these temporary changes will be removed and the Elizabeth River Channel aids to navigation system returned to its published characteristics.

A. Temporarily establish six yellow unlighted buoys in the following positions to mark the outer navigational limits of the spectator anchorage area as published in 33 CFR 110.72aa(a):1:
1. Elizabeth River Anchorage Buoy “A” at 36 50 49.693N, 076 18 07.650W.
2. Elizabeth River Anchorage Buoy “B” at 36 50 48.908N, 076 18 00.792W.
3. Elizabeth River Anchorage Buoy “C” at 36 50 46.691N, 076 17 56.652W.
4. Elizabeth River Anchorage Buoy “D” at 36 50 42.842N, 076 17 54.460W.
5. Elizabeth River Anchorage Buoy “E” at 36 50 37.064N, 076 17 51.576W.
6. Elizabeth River Anchorage Buoy “F” at 36 50 33.964N, 076 17 57.544W.

B. Temporarily change Elizabeth River Channel Buoy 31 (LLNR 9835) to Elizabeth River Channel Lighted Buoy 31 showing a Q G characteristic.

C. Establish three additional buoys.
1. Elizabeth River Channel Lighted Buoy 29A in approximate position 36 52 08.917N, 076 19 37.841W showing Q G characteristic.
2. Elizabeth River Channel Lighted Buoy 29B in approximate position 36 52 01.702N, 076 19 27.437W showing Q G characteristic.
3. Elizabeth River Channel Lighted Buoy 34A in approximate position 36 50 58.432N, 076 18 10.390W showing Q R characteristic.

*****NC - BEAUFORT INLET AND SOUTHERN CORE SOUND - NEWPORT RIVER - BEAUFORT HARBOR CHANNEL - AID TO NAVIGATION CHANGE*****

The Coast Guard will convert Beaufort Harbor Channel Lighted Buoy 3 (34815) to Beaufort Harbor Channel Light 3 (34815), the first week in July. It will have the following characteristics: Fl G 2.5s 15ft 4M.

*****NC - BEAUFORT INLET AND SOUTHERN CORE SOUND – DISCONTINUANCE OF AIDS TO NAVIGATION*****

The Coast Guard will discontinue the following 23 aids due to shoaling the first week in July.
30035 New Topsail Inlet Buoy 10
30037 New Topsail Inlet Buoy 11
30040 New Topsail Inlet Buoy 12
30047 New Topsail Inlet Buoy 14
30048.02 Banks Slough Channel Buoy 3
30048.04 Banks Slough Channel Buoy 4
30048.08 Banks Slough Channel Buoy 7
30140.02 Old Topsail Creek Buoy 2
30140.04 Old Topsail Creek Buoy 4
30140.05 Old Topsail Creek Buoy 5
30140.06 Old Topsail Creek Buoy 6
30140.07 Old Topsail Creek Buoy 6A
30140.08 Old Topsail Creek Buoy 7
30140.09 Old Topsail Creek Buoy 8
30140.10 Old Topsail Creek Buoy 10
30140.11 Old Topsail Creek Buoy 11
30140.12 Old Topsail Creek Buoy 12
30140.25 Old Topsail Creek Buoy 12A
30140.13 Old Topsail Creek Buoy 13
30140.14 Old Topsail Creek Buoy 14
30140.15 Old Topsail Creek Buoy 15
30140.16 Old Topsail Creek Buoy 16
30140.17 Old Topsail Creek Buoy 17

*****NC - MOREHEAD CITY HARBOR - MOREHEAD CITY CHANNEL – AID TO NAVIGATION CHANGE*****

During the second week of June, the Coast Guard will temporarily discontinue Morehead City Channel Range Front Light (LLNR 29430) and establish Morehead City Channel Warning Light A (LLNR 29430.5) on the same structure with a Fl W 4s 20ft 4M optic. These changes will remain in effect until a new range is constructed.

*****NC - ATLANTIC INTRACOSTAL WATERWAY – NEW RIVER – CAPE FEAR RIVER – AID TO NAVIGATION CHANGES*****

During the last week of June, the Coast Guard will convert New River - Cape Fear River Daybeacon 72 (LLNR 39470) and New River - Cape Fear River Daybeacon 367 LLNR (LLNR 39855) to Unlighted Buoys.
During the last week of June, the Coast Guard will install a Fl R 4s, 15ft focal plane, 4M optic to convert Oak Island Channel Daybeacon 2 (LLNR 30420) to Oak Island Channel Light 2 (LLNR 30420).

Charts: 11545

LNM: 17/19

During the second week of July, the Coast Guard will discontinue Lockwoods Folly Inlet Buoy 10 (LLNR 31045) and Lockwoods Folly Inlet Buoy 12 (LLNR 31047).

Charts: 11534 11536

LNM: 19/19

**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 is 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**

<table>
<thead>
<tr>
<th>Proposed Project(s)</th>
<th>Closing</th>
<th>Docket No.</th>
<th>Ref. LNM</th>
</tr>
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<tbody>
<tr>
<td>None</td>
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**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: https://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

**MD – CHESAPEAKE BAY – MIDDLE RIVER - PROPOSAL TO CHANGE AIDS TO NAVIGATION***

The Coast Guard is proposing the following changes to the approach to Middle River:

- Discontinue Middle River Approach Lighted Buoy 3 (LLNR 27115).
- Relocate Middle River Approach Lighted Buoy 1 (LLNR 27110) to approximate position: 39 16 21.640N, 76 20 10.710W. This position is approximately halfway between Pooles Island Flats Channel Lighted Buoy 5 (LLNR 8660) and Middle River Light 5 (LLNR 27117).
- 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 https://www.navcen.uscg.gov/pdf/lnms/D05 LNM 2015 Special Notice_Waterway_Proposal Feedback Form.pdf

All comments will be carefully considered and are requested prior to July 22, 2019 to be considered in the analysis. Please reference project 05-19-045(D).

Send comments to CGDSWaterways@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: 12274 12278

LNM: 22/19

**MD – CHESAPEAKE BAY – GUNPOWDER RIVER – PROPOSAL TO CHANGE AIDS TO NAVIGATION***

The Coast Guard is proposing the following changes to the aids to navigation in the Gunpowder River:

- Lighted Buoy 2G (LLNR 27175) change the authorized hull, reducing the daytime visual range to 1.2nm and radar range to 0.5nm and maintained from “March 15 to December 1”.
- Lighted Buoy 4 (LLNR 27185) change the authorized hull, reducing the daytime visual range to 1.2nm and radar range to 0.5nm and maintained from “March 15 to December 1”.
- Lighted Buoy 6 (LLNR 27195) change the authorized hull, reducing the daytime visual range to 1.2nm and radar range to 0.5nm and maintained from “March 15 to December 1”.
- Lighted Buoy 7 (LLNR 27185) change the authorized hull, reducing the daytime visual range to 1.2nm and radar range to 0.5nm and maintained from “March 15 to December 1”.
- Remove wreckage and convert Wreck Light WR9 (LLNR 27205) to Lighted Buoy 9 with a flash 4 second green flashing light and maintained from “March 15 to December 1”.
- Convert Light 10 (LL 27215) to Lighted Buoy 10 and maintained from “March 15 to December 1”.
- Discontinue Light 13 (LLNR 27220).

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 https://www.navcen.uscg.gov/pdf/lmns/D05 LNM 2015 Special Notice_Waterway_Proposal Feedback Form.pdf. All comments will be carefully considered and are requested prior to July 8, 2019 to be considered in the analysis. Please reference project 05-19-040(D).

Send comments to CGDSWaterways@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: 12274 12278

****MD – HEAD OF CHESAPEAKE BAY – WORTON CREEK – PROPOSAL TO CHANGE AID TO NAVIGATION****

The Coast Guard is proposing making the following changes to Warton Creek Lighted Buoy 2 (LLNR 27390): Change the authorized hull, reducing the daytime visual range to 1.2nm and radar range to 0.5nm and the buoy will only be “Maintained from March 15 to December 1”. Interested Mariners and other stakeholders are strongly encouraged to comment on the potential impacts this proposal would have on navigational safety. You may provide feedback using the U. S. Coast Guard Fifth District Waterway Data Sheet, available online at 5th Coast Guard District Special Notice Waterway Feedback Form. All comments will be carefully considered and are requested prior to May 13, 2019 to be considered in the analysis. Please reference project 05-19-032(D).

Send comments to CGDSWaterways@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: 12210 12211

****VA - CHESAPEAKE BAY ENTRANCE - YORK RIVER - PROPOSED CHANGE TO AIDS TO NAVIGATION****

The Coast Guard is proposing installing a LED optic on York Spit Light (LL 13455). The new optics nominal range will be reduced from 8nm to 7nm. 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: https://www.navcen.uscg.gov/pdf/lmns/D05 LNM 2015 Special notice_Waterway_Proposal Feedback Form.pdf. All comments will be carefully considered and are requested prior to July 29, 2019 to be considered in the analysis. Refer to project number 05-19-046(D).

Send comments to: CGDSWaterways@uscg.mil, or mail to:
U. S. Coast Guard Fifth District
Waterways Management (dpw)
Attn: Mr. Albert Grimes
431 Crawford Street
Portsmouth, VA 23704

Charts: 12221 12238 12280

****VA – VIRGINIA BEACH – LONG CREEK - PROPOSAL TO CHANGE AIDS TO NAVIGATION****

Upon completion of dredging by the Norfolk District, Army Corp of Engineers of Long Creek, Broad Bay and Linkhorn Bay the Coast Guard and project partners, Army Corp of Engineers and the City of Virginia Beach, are proposing the following changes:

Establish Long Creek Light 1LC in approximate position: 36 54 22.570N-76 05 27.590W with a quick; (Q), flashing green light and SG dayboards. Discontinue Long Creek Channel Daybeacon 2 (LLNR 10160).

Convert Long Creek Channel Warning Daybeacon A (LLNR 10165) to Long Creek Light 2 in approximate position: 36 54 22.570N-76 05 27.590W with a quick; (Q), flashing green light and SG dayboards. Discontinue Long Creek Channel Warning Daybeacon B (LLNR 10166). Discontinue Long Creek Channel Daybeacon 7 (LLNR 10167).

Rebuild Long Creek Channel Daybeacon 8 (LLNR 10168) in approximate position: 36 54 14.502N-76 05 11.940W and rename to Long Creek Daybeacon 4.

Convert Long Creek Channel Daybeacon 10 (LLNR 10170) to Long Creek Light 6 in approximate position: 36 54 16.014N-76 05 05.322W with a flashing 4 second light and TR dayboards. Rebuild Long Creek Channel Daybeacon 11 (LLNR 10175) in approximate position: 36 54 15.657N-76 04 57.121W and rename to Long Creek Daybeacon 7.

Rename Long Creek Channel Daybeacon 12 (LLNR 10180) to Long Creek Daybeacon 8.

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: https://www.navcen.uscg.gov/pdf/lmns/D05 LNM 2015 Special Notice_Waterway_Proposal Feedback Form.pdf. All comments will be carefully considered and are requested prior to July 22, 2019 to be considered in the analysis. Please reference project 05-19-001(D).

Send comments to CGDSWaterways@uscg.mil or mailed to:
U. S. Coast Guard Fifth District
Waterways Management (dpw)
**VA – VIRGINIA BEACH – BROAD AND LINKHORN BAYS - PROPOSAL TO CHANGE AIDS TO NAVIGATION**

Convert Broad Bay Channel Daybeacon 13 (LLNR 10395) to Broad Bay Buoy 9 in approximate position: 36 54 07.730N-76 03 34.410W, Green can.

Convert Broad Creek Channel Light 14 (LLNR 10400) to Broad Bay Lighted Buoy 10 in approximate position: 36 54 06.000N-76 03 11.360W with a flash 2.5 second red light, Red.

Discontinue Broad Bay Channel Light 16 (LLNR 10405).

Establish Broad Bay Lighted Buoy 12 in approximate position: 36 54 00.000N-76 02 18.180W with a flashing 2.5 second red light, Red.

Discontinue Broad Bay Channel Daybeacon 17 (LLNR 10410).

Convert Broad Bay Channel Light 17A (LLNR 10415) to Broad Bay Lighted Buoy 13 in approximate position: 36 53 37.860N-76 01 25.704W with a flashing 2.5 second green light, Green.

Convert Broad Bay Channel Daybeacon 18 (LLNR 10420) to Broad Bay Buoy 14 in approximate position: 36 53 37.140N-76 01 26.030W Green can.

Convert Broad Bay Channel Daybeacon 19 (LLNR 10425) to Broad Bay Buoy 15 in approximate position: 36 53 29.350N-76 01 09.650W, Green can.

Convert Broad Bay Channel Daybeacon 20 (LLNR 10430) to Broad Bay Buoy 16 in approximate position: 36 53 28.490N-76 01 10.660W, Red nun.

Convert Linkhorn Bay Daybeacon 20A (LLNR 10435) to Linkhorn Bay Buoy 18 in approximate position: 36 53 17.150N-76 00 58.320W, Red nun.

Convert Linkhorn Bay Light 21 (LLNR 10440) to Linkhorn Bay Lighted Buoy 19 in approximate position: 36 53 17.990N-76 00 57.450W with a flashing 2.5 second green light, Green.

Convert Linkhorn Bay Daybeacon 22 (LLNR 10445) to Linkhorn Bay Buoy 20 in approximate position: 36 53 14.040N-76 00 52.620W, Green can.

Convert Linkhorn Bay Light 23 (LLNR 10450) to Linkhorn Bay Lighted Buoy 21 in approximate position: 35 52 17.640N-76 00 31.950W with a flashing 2.5 second green light, Green.

Convert Linkhorn Bay Daybeacon 24 (LLNR 10455) to Linkhorn Bay Buoy 22 in approximate position: 36 52 09.630N-76 00 53.760W, Red nun.

Convert Linkhorn Bay Daybeacon 26 (LLNR10460) to Linkhorn Bay Buoy 24 in approximate position: 36 51 54.830N-77 00 43.390W, Red nun.

Discontinue Linkhorn Bay Daybeacon 27 (LLNR 10465).

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: https://www.navcen.uscg.gov/pdf/lnms/D05 LNM 2015 Special Notice_Waterway_Proposal Feedback Form.pdf

All comments will be carefully considered and are requested prior to July 22, 2019 to be considered in the analysis. Please reference project 05-19-001(D).

Send comments to CGDSWaterways@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: 12225 12226

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**VA – THIMBLE SHOAL CHANNEL – PROPOSAL TO DISCONTINUE NORFOLK ENTRANCE REACH RANGE**

The Coast Guard is proposing to discontinue the lighting equipment on Norfolk Entrance Reach Range Front Light (LLNR 9370) and Norfolk Entrance Reach Range Rear Light (LLNR 9375).

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 https://www.navcen.uscg.gov/pdf/lnms/D05 LNM 2015 Special Notice_Waterway_Proposal Feedback Form.pdf

All comments will be carefully considered and are requested prior to July 1, 2019 to be considered in the analysis. Please reference project 05-19-041(D).

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

Charts: 12221 12222 12245 12256 12280

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**SECTION VII - GENERAL**

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

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**VA - ATLANTIC OCEAN - WALLOPS ISLAND ROCKET LAUNCHES**

Rocket launches are regularly scheduled in the vicinity of Wallops Island, VA, Danger Zone 334.130. Prior to these launches, visual signals will be displayed consisting of either a large orange-colored, "blimp-shaped" balloon by day or a rotating alternately red and white beacon by night. The balloon will be flown from a position at 37-50-38N, 75-28-47W and the beacon will be displayed approximately 200 feet above mean high water in...
VA - ATLANTIC OCEAN - WALLOPS ISLAND ROCKET LAUNCHES

position 37-50-16N, 75-29-07W. While the warning signal is displayed, all persons and vessels in the Danger Zone, except vessels entering or departing Chincoteague Inlet, shall leave the zone promptly by the shortest possible route and remain outside the zone until allowed by a patrol boat to enter or the danger signal has been discontinued. Vessels entering or departing Chincoteague Inlet must take the shortest route possible upon display of the danger signal. The Danger Zone is depicted on navigational charts 12210 and 12211 with corner points starting in the vicinity of Assawoman Inlet and proceeding southerly to position 37-43-20N, 075-29-41W; thence northeasterly to a point in the vicinity of Chincoteague Shoals; thence westerly back to Wallops Island shoreline.

Charts: 12210 12211
LNM: 04/17

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

Live firing is conducted continuously off Joint Expeditionary Base Little Creek 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 contact Range Operations and Training Area, Mr. Assaf or Ms. Lawrence at 757-422-7103/7101.

Charts: 12222 12254
LNM: 19/16

****MD - CHESAPEAKE BAY - COVE POINT TO SANDY POINT - CHESAPEAKE CHANNEL - SANDY POINT SHOAL LIGHT****

Due to the deteriorating condition of the Sandy Point Shoal Light structure, which has become a severe health hazard and a hazard to access for maintenance crews, the Coast Guard discontinued the light. The structure is privately owned and maintained, the Coast Guard is continuing to work with the owner concerning maintenance.

Charts: 12263 12270 12273 12278 12280 12282
LNM: 23/19

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

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

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

During these operations, the aircraft will be operating at altitudes as low as seventy-five feet and will produce localized winds in excess of 125 miles per hour. Rotor wash produced winds pose a considerable hazard to vessels, especially sailing vessels. The devices the helicopters tow range in size and appearance from a large orange and white sled approximately the size of a pick up truck to slightly submerged steel pipes thirty feet in length, both of which have submerged cable extending well beyond the visible portion of the towed device. The Aircraft Commanders have been directed to exercise every effort to conflict and avoid surface vessels. All mariners are requested to remain well clear of the helicopters, the towed devices, and the area extending directly behind the aircraft for four hundred yards. Do not approach or cross the area directly behind the towed device as a submerged hazard exists regardless of whether the device is in motion or stationary.

These operations involve large naval helicopters at flight altitudes of 100 feet or less, towing surface and sub-surface devices at speeds up to 25 knots. Helicopters may be identified by a rotating amber position light on centerline of main hull flashing 90 times per minute. An area of hurricane-force winds exists within a 250-foot radius around these helicopters, sufficient to blow people and objects from exposed decks and capsize small craft. The towed devices may be completely invisible and include large cables on or just below the surface streaming up to 1200 feet behind the aircraft. AMCM helicopters will transit to and from the area described above in the following manner: Outboard from the seaplane ramp at the Norfolk Naval Air Station across Willoughby Bay to the main shipping channel, then easterly along the main channel to Buoy 21. From Buoy 21 easterly at 757-422-7103/7101.

Charts: 12200 12205 12221 12222 12245 12254
LNM: 01/16

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

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

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

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

Chart 12200
LNM: 01/16

VA - 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 090 degrees true and 150 degrees true, respectively, from a point on shore at 36°49′09″N, 75°58′45″W”. 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 (42nd) 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.

Charts: 12205 12207 12221
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, crab pots 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.

**NOAA ELECTRONIC NAVIGATIONAL CHART (ENC) FOR NAVIGATION IN U.S. WATERS**

NOAA recommends that mariners take advantage of the most recent chart updates by using the NOAA Electronic Navigational Chart (ENC) for navigation in U.S. waters. ENCs provide the most up to date information, whereas paper and raster nautical chart updates may be up to one month behind the corresponding ENC coverage. Over the next few years, mariners will see continued improvement in the extent and detail of ENC coverage, while there will be a reduction in RNC and paper chart coverage and service. ENCs will include routine changes between editions that are not published through notices to mariners. One significant change to the RNC and paper charts will be the removal of controlling (minimum) depth information from many maintained channels. Controlling channel depths will still be provided on ENCs.

Comments or concerns can be addressed through ASSIST, NOAA's Nautical Inquiry and Comment System: https://www.nauticalcharts.noaa.gov/customer-service/assist/

**NJ – SEA GIRT TO LITTLE EGG INLET - BRIELLE ROAD RAILROAD BRIDGE – MANASQUAN RIVER****

An engineering firm, on behalf of the New Jersey Transit, will be performing an inspection at the Brielle Road Railroad Bridge, mile 0.9, across Manasquan River, at Point Pleasant Beach, NJ. The inspection will be conducted from 8 a.m. to 2 p.m. on May 22, 2019. A work boat with a platform will be used during the inspection. Inspection personnel, boat and equipment will be in proximity to the navigable channel, and do not anticipate any disruption to vessel traffic. Mariners should exercise caution when transiting the area.

**NJ – UPPER BARNEGAT BAY – KETTLE CREEK – BARGE MOORING AREA****

H&L Contracting will be establishing barge mooring areas in Upper Barnegat Bay in conjunction with dredging operations. These mooring areas will be active from 15 Jun to 31 Dec 2019. These areas are: 1) 40°00'56"n 074°04'54"w; 2) 40°03'04"n 074°05'41"w; 3) 40°01'17"n 074°06'41"w. Tugboats will be engaged in towing operations in and in the vicinity of those areas 24 hrs/day 7 days/week. All vessels will be marked and lighted in accordance with uscg regulations. All marine equipment operators will be monitoring VHF-FM channel 63 and channel 16 and 13.

**NJ – ATLANTIC CITY – OFF SHORE – SURVEY ACTIVITIES****

Ocean Wind Survey Vessel OCEAN RESEARCHER is conducting surveys in this area for the next several months. All Mariners transiting or fishing in the survey area are requested to give a wide berth to survey vessels, as they may be limited in their ability to maneuver (VRAM) and towing gear out to 300 meters behind the vessel. For additional information or questions, contact John O'Keeffe at 857-332-4485.

**NJ – BEACH HAVEN – PARKER ISLAND – RECONSTRUCTION PROJECT****

H&L Contracting will be conducting island reconstruction operations in Barnegat Bay on the Parker Island Controlled Disposal Facility at 39°34'08"n 74°14'46"w from 5/14/2019 thru 9/28/2019. Work hours are 10 hours a day, 7 days a week. Tug/barge combos will be in the vicinity of the north side of Parker Island. Channels will remain open during the work but channel width will be reduced. All mariners are advised to reduce speed to minimum for making way while in the vicinity of diving operations. All marine equipment operators will be monitoring VHF-FM channel 63 and channel 16 and 13. Work boats will monitor VHF-FM channel 13 and 16.

**NJ – INTRACOASTAL WATERWAY – LITTLE EGG HARBOR TO CAPE MAY – ATLANTIC CITY – BEACH THOROFARE****

An engineering firm, on behalf of the New Jersey Transit, will be performing an inspection at the AMTRAK New Jersey Transit Rail Operations (NJ TRO) automated railroad swing bridge (Atlantic City Railroad Swing/Beach Draw) bridge, over New Jersey Intracoastal Waterway (NJICW), Beach Thorofare, at mile 68.9, near Atlantic City, NJ. The inspection will be conducted from 8 a.m. to 5 p.m.; Monday-Friday; on June 3, 2019, through June 14, 2019. A 22-foot work vessel and divers will be operating under and in the vicinity of the bridge to perform the inspection. Inspection personnel, equipment and the vessel will relocate from the moveable span and navigable channel, upon request. The vessel may be reached on VHF-FM channels 13 and 16. The project foreman can be reached at (609) 575-1572. Mariners are requested to notify the project foreman at least 10 minutes prior transiting through the bridge and should use extreme caution when navigating through the area.

**NJ – NEW JERSEY INTRACOASTAL WATERWAY-LITTLE EGG HARBOR TO CAPE MAY-ATLANTIC CITY-CAPE MAY CANAL****

An engineering firm, on behalf of New Jersey Department of Transportation, will be performing maintenance at SR 109 Bridge, over NJ ICW (Cape May Canal), mile 114.3, in Cape May NJ. The bridge maintenance, which began in September, 2017, will continue to be conducted from 7 a.m. to 5 p.m.; M-F; through July 31, 2019. Several work vessels, work barges and work floats and divers will be around the vicinity of the bridge during work hours. Vessels can safely transit through the bridge, unrestricted, at any time. The work vessels and work barges may be reached on VHF-FM channel 13. The project foreman can be reached at (267) 907-5087 or (215) 208-1759. Mariners should use extreme caution when transiting the area and transit through the bridge at a safe speed.
**NJ – NEW JERSEY INTRACOASTAL WATERWAY – LITTLE EGG HARBOR TO CAPE MAY – ATLANTIC CITY – CAPE MAY CANAL***

Charts: 12316 12317

LNM: 18/19

**PA – NJ – PHILADELPHIA AND CAMDEN WATERFRONT – SCHUYKILL RIVER – BRIDGE WORK***

A construction firm, on behalf of the City of Philadelphia, will be modifying the existing Grays Ferry Railroad Bridge, over Schuylkill River, mile 5.5, at Philadelphia, PA. Modification activities which began June, 2018, are expected to finish on May 1, 2020. Work will be performed from 6 a.m. to 5 p.m.; M-F. During this bridge modification project, one navigation span will be occupied; the other navigation span will be open for vessels to transit. Mariners should navigate the waterway with extreme caution and due regard for prevailing conditions on the waterway. The new bridge will have a vertical clearance of 26 feet above mean high water in the closed-to-navigation position, an unlimited vertical clearance in the open position, a horizontal clearance of 75 feet in the western navigation span, and 65 feet in the eastern navigation span. Detailed project information and information concerning the waterway closures will be provided via updated local notice to mariners, broadcast notice to mariners and marine safety information bulletins. Crane barges, material barges, and support vessels will be operating or stationed in the vicinity of the existing bridge. A.P. Construction Inc.’s vessels are monitoring VHF-FM channels 13 and 16 when working or vessels are operating. The City of Philadelphia construction manager may be contacted at 215-275-8066 and A.P. Construction, Inc.’s project foreman may be contacted at 215-651-6278 or 215-783-2262. Mariners should use extreme caution when transiting the area.

Chart 12313

LNM: 22/19

**PA – NJ – DELAWARE RIVER – INTERSTATE 276/DELAWARE RIVER TURNPIKE BRIDGE***

An engineering firm, on behalf of the New Jersey Turnpike Authority, will continue to perform maintenance on the Interstate 276/Delaware River Turnpike Bridge, across the Delaware River, mile 121.2, in Bristol Township, PA and Burlington Township, NJ. All work on the bridge superstructure will continue to be performed from 7 a.m. to 7 p.m.; M-F; and from 6 a.m. to 6 p.m. on the weekends. The repainting and miscellaneous improvements ongoing since mid-November, 2015, will be extended through July 31, 2019. The project foreman can be contacted at 267-767-2550. Mariners should use caution when navigating through the area.

Chart 12314

LNM: 23/19

**DE – CAPE HENlopen TO INDIAN RIVER INLET – LEWES AND REHOBOTH CANAL – SR 1A – REHOBOTH AVENUE BRIDGE – CLOSED TO NAVIGATION***

The Delaware Department of Transportation, who owns and operates the Rehoboth Avenue (SR 1A) Bridge, at mile 6.7, Rehoboth, DE, has requested a temporary deviation from the current operating regulation for painting, mechanical, and structural work to be performed on the bridge. Under this temporary deviation, the bridge will remain in the closed-to-navigation position from 8 p.m. on Monday, May 13, 2019, thru 6 a.m. on Saturday, August 31, 2019. This deviation allows the bridge to remain in the closed-to-navigation position throughout the project. The drawbridge is a bascule bridge with a vertical clearance in the closed-to-navigation position of 16 feet above mean high water; however, the maintenance will require a containment structure to hang below the bridge reducing the vertical clearance to 13 feet above mean high water throughout the maintenance period. The bridge will be unable to open for emergency vessels. Mariners should use caution when transiting the area.

Chart 12216

LNM: 19/19

**MD – FENWICK ISLAND TO CHINCOTEAGUE INLET – OCEAN CITY INLET – US 50 – HARRY W. KELLEY MEMORIAL BRIDGE – CLOSED TO NAVIGATION***

The US 50 (Harry W. Kelley Memorial) Bridge, over Isle of Wight (Sinepuxent) Bay, mile 0.5, in Ocean City, MD will be maintained in the closed-to-navigation position to facilitate the 2019 Ocean City Air Show. The bridge will remain in the closed position from 4 p.m. through 4:55 p.m. on Saturday June 15, 2019 and Sunday June 16, 2019. The bridge will be open for an emergency. Vessels able to pass through the bridge in the closed position may do so at any time, and all others should adjust their transits accordingly. At all other times, the drawbridge will operate in accordance with the operating regulations set out in Title 33 Code of Federal Regulations Part 117.559. Mariners should use caution when transiting the area.

Chart 12211

LNM: 23/19

**MD – OCEAN CITY – DREDGING***

USACE dredge MURDEN will be conducting dredging operations in Ocean City, MD from 27 May to 23 Jun 2019. One load per day will be dredged from the Inlet but the majority of the dredging will occur at the ebb/flood shoal just outside the Inlet. The dredge MURDEN may be contacted on VHF-FM channels 16 and 13.

Chart 12233

LNM: 21/19

**MD – CHOPTANK RIVER – SR 331 – DOVER BRIDGE DRAW – NAVIGATION SPAN BLOCKED***

An engineering firm, on behalf of Maryland Department of Transportation, will be performing maintenance on the SR 331 (Dover Bridge Draw), over the Choptank River, at mile 35.3, between Easton, MD and Preston, MD. The maintenance will be conducted from 7 a.m. to 8 p.m.; 7 days a week; from May 20, 2019, through August 30, 2019. During the bridge maintenance period, the bridge will be maintained in the open position; a work platform will be located in one navigation span at all times. The other navigation span will be open for vessels to transit through the bridge. The bridge has a horizontal clearance of approximately 80 feet in each navigation span. Mariners should navigate the waterway with extreme caution and due regard for prevailing conditions on the waterway. Maintenance personnel and equipment will not be able to relocate from the moveable span and navigable channel. The bridge tender may be reached on VHF-FM channels 13 and 16, and 410-822-0538. The project foreman can be reached at (410) 371-5124. Mariners should use extreme caution when navigating through the area.

Chart 12268

LNM: 21/19

**MD – CHESAPEAKE BAY – POPLAR ISLAND – ONGOING MARINE CONSTRUCTION***

Marine construction of the new dredge containment Cell Number 11 on Poplar Island is ongoing. Crews will be building sand and stone berms to expand the island and create a new containment cell for future dredge material. Mariners should avoid the area and if necessary contact the work vessels on VHF-FM channels 13 and 16.

Chart 12266

LNM: 21/19
****MD – CHESAPEAKE BAY – POPLAR ISLAND – ONGOING MARINE CONSTRUCTION****

Central Marine will be starting the Jack Creek Park Shoreline Stabilization Project June 15, 2019 in approximate position 38°8404 N, 76°4892 W near the entrance to the West River MD. The project is expected to continue until 30 Dec 2019. Work will be conducted 7 days a week during daylight hours. For additional information or questions, contact Charlie Young at Central Marine Construction at 410-320-7030.

Chart 12270

****MD – CHESAPEAKE BAY – TRED AVON RIVER – HARRIS CREEK - OYSTER REEFS****

The U.S. Army Corps of Engineers and Maryland Department of Natural Resources have placed rock and shell on the bottom at sites to restore Oyster Reef Habitat in the Tred Avon River in Talbot County, MD. In those areas, water depths are between 1 ft to 2 ft shallower than what is currently shown on NOAA nautical charts. More information including maps and site coordinates may be obtained from http://www.nab.usace.army.mil/Missions/Environmental/Oyster-Restoration/ or the USACE Project Manager at 410-962-7440. Please also see Enclosure 5.

Chart 12266

****MD – CHESAPEAKE BAY – US 50 - WILLIAM PRESTON LANE JR. MEMORIAL BRIDGE – REMOVAL OF NAVIGATION LIGHT****

END DATE UPDATED. An engineering firm will be installing supplemental suspension cables on the west bound lane at the US 50 (William Preston Lane Jr.) Memorial Bridge across Chesapeake Bay, mile 138.1, in Annapolis, MD. To facilitate the work, the top navigation light on the north and south sides of the west bound suspension bridge at mid span will be temporarily removed from July 17, 2018 to June 1, 2019. Mariners should use caution when transiting the area.

Chart 12270

****MD – BALTIMORE HARBOR – MARINE CONSTRUCTION****

Conduit construction installation operations on behalf of CSX Transportation, at the Bear Creek Rail Road Bridge, Bear Creek, Baltimore County Maryland, will commence on or about 15 June 2019 in the vicinity of 39° 14.88’ N, 76° 29.477’ W. The Construction Barge R-5 (175’ x 43’), will be performing the activities with the assistance of a Tender Tug ARTIE. Vessels will be moored on spuds while working, on standby, and moored. The vessels will monitor VHF channels 13 and 7 during operations. Construction activities will continue on a daily basis until the estimated completion date of 31 July. For questions or more information, contact Jim Matters at (410) 320-7534, JMatters@CormanMarine.com.

Chart 12281

****MD – BALTIMORE HARBOR – PATAPSCO RIVER – CURTIS BAY TERMINAL - DREDGING****

Dredging operations on behalf of CSX Transportation, at the PatapSCO River Curtis Bay Terminal, will commence on or about 15 June 2019 in the vicinity of 39° 13.325’ N, 76° 34.577’ W. Loaded scows will be towed from this location to the MES Masonville Dredge Material Containment Facility at 39° 15.266’ N, 76° 35.388’ W for offloading on a daily basis. The Dredge CKC 2400 (125’ x 50’), scows 403 & 404 (260’ x 52’), Unloader #2 (160’ x 52’) will be dredging the area with the assistance of a Tender Tug ARTIE. Vessels will be moored on spuds while working, on standby, and moored. The vessels will monitor VHF channels 13 and 7 during operations. Dredging operations will continue on a daily basis until the estimated completion date of 3 July. For questions or more information, contact Jim Matters at (410) 320-7534, JMatters@CormanMarine.com.

Chart 12281

****MD – BALTIMORE HARBOR – PATAPSCO RIVER (MIDDLE BRANCH) – STUCK IN THE CLOSED POSITION****

The SR-2 (Hanover Street) Bridge, at mile 12.0, across the Middle Branch of the PatapSCO River in Baltimore, MD, is having electrical problems and the center and tail locks are frozen in place. Bridge repairs have commenced and will be ongoing until further notice. The bridge is inoperable and cannot open at this time. The bridge has a vertical clearance of 21 feet above Mean High Water in the closed position. Mariners should exercise caution when transiting the area.

Chart 12281

****VA – OFFSHORE – MOUTH OF THE CHESAPEAKE BAY – SURVEY****

The M/V COMMANDER working for Coastal Virginia Offshore Wind Project (CVOW) will be conducting Remote Operated Vehicle (ROV) surveys off the mouth of the Chesapeake Bay out to approximately 28 NM. For more information or questions, contact Anthony Peach at 709-687-1490 or anthony.peach@fugro.com.

Chart 12200

****VA – FORT STORY – CHESAPEAKE BAY BRIDGE TUNNEL – LITTLE CREEK HARBOR – MILITARY OPERATIONS****

The Navy and Army will be conducting Joint Operations offloading the USNS WATKINS and USNS KOCAK from 16 - 21 June 2019 in the vicinity of Lynnhaven anchorage area. There will be increased craft operating in the vicinity of Little Creek Harbor, Chesapeake Bay Bridge Tunnel and Fort Story. Mariners should avoid close proximity these vessels and craft and are advised not interfere with these operations. All craft will be monitoring channel 16 and 72 bridge to bridge for communications. For questions or additional information, contact Nate Dalton at Commander Naval Beach Group TWO, 757-462-3412.

Chart 12222

****VA – FORT STORY – CHESAPEAKE BAY BRIDGE TUNNEL – LITTLE CREEK HARBOR – MILITARY OPERATIONS****

During periods of daylight and darkness from 04 June 2019 - 06 June 2019 a military exercise will be conducted in vicinity of Little Creek Harbor and Fort Story operating areas. The exercise will include small combatant-craft operating in the areas. Mariners are requested to avoid this area if possible or use caution if required to transiti near the area. For questions contact Cody Dlouhy at 757-763-4335.

Chart 12222
****VA – LYNNHAVEN INLET – BROAD AND NARROWS CHANNELS – DREDGING****
Cottrell Contracting Corporation of Chesapeake Virginia dredge LEXINGTON will be conducting 24/7 dredging operations within the Lynnhaven Inlet Federal Navigation Channel from 3 Jun until 1 Sep 2019 in multiple locations within the inlet and adjoining waterways. First phase of dredging operations are scheduled to begin in the Turning Basin on or around 3 Jun and continue through 15 Jul. The operation will also include sections along Long Creek during the latter part of this phase. Phase two of dredging will be in the vicinity of the Lynnhaven Inlet seaward of the Lesner Bridge. The dredge and associated equipment is expected to remain in the channel until completion on or around 5 Aug 2019. The final stage of the dredging project will involve working the Narrows in the vicinity of Linkhorn Bay. This work will continue until the project’s anticipated completion date of 1 Sep. Mariners are requested to use extreme caution when transiting in the vicinity of the dredge, buoys, pipelines, barges, wires, cables, pipelines, barges, derricks, wires and related equipment. The dredge LEXINGTON monitors VHF channels 13 and 16. All vessels are requested to contact the dredge prior to passing and maintain a safe speed and distance while transiting this area due to numerous areas of shoaling throughout the narrow waterway.
Charts: 12205 12254

LNM: 21/19

****VA – CHESAPEAKE BAY – CAPE CHARLES TO NORFOLK HARBOR - JOINT EXPEDITIONARY BASE LITTLE CREEK FORT STORY – MILITARY OPERATIONS****
Joint Expeditionary Base Little Creek Fort Story (JEBLCSF) Military Operations will be conducted in the following areas during the dates and times listed. Operations may consist of swimmers in the water, small boat operations, parachute drops, helicopter airdrops and recovery, blank firing, flares, UAV ops:
Naval Anchorage A & B, Fort Story Restricted Area, 16 May to 24 May 2019, continuous.
Naval Anchorage A, 21 May 2019, 9:00 am to 4:00 pm.
Fort Story Restricted Area, Utah Beach 2, 28 May to 29 May 2019, continuous.
Naval Anchorage A, 31 May 2019, 6:00 pm to 9:00 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: 23/19

****VA – NORFOLK HARBOR – ELIZABETH RIVER – US NAVY DEGAUSSING RANGE****
Precon Marine will be working on the US Navy Degaussing Range which is located at the entrance of the Elizabeth River. Work will include diving operations, crane operations, and cable laying operations. The work will commence on April 29, 2019, and will end on October 31, 2019. We are scheduled to work 7 days a week, and the work hours will be during the daylight hours. The caution area will be from buoys 1ER (LLNR 9445) to Buoy 3 (LLNR 9455). The actual work station will be at 36 degrees 58.916 N, / 76 degrees 19.290 W. Tug Boat on site will be DOTTI J, tug will monitor VHF Channels 13/16. Mariners are requested use a slow bell and wide berth.
Chart 12245

LNM: 23/19

****VA – ATLANTIC COAST INTRACOASTAL WATERWAY – ALBEMARLE AND CHESAPEAKE CANAL – GREAT BRIDGE LOCK – VALVE REPLACEMENT****
The U.S. Army Corps of Engineers is continuing to perform valve replacement and diving at the Great Bridge Lock, located in Chesapeake, Virginia. Work is expected to continue until July 2019. On May 8, 2019 and May 9, 2019, installation of a cofferdam on the southwest end of lock wall will occur. The lock will be closed from 7:00 AM to 6:00 PM on both days.
From May 13, 2019 to approximately June 28, 2019, a crew will be working on the removal and installation of the replacement valves 7 days per week. During this time period, there will be occasional delays to navigation to provide crane support in the lock.
The removal of the cofferdam will take place in July, and the exact time and closure will be issued in a separate notice.
The horizontal clearance of the lock will remain limited to 70 feet until these repairs are completed. Vessels shall provide a large berth to the work area which will be marked with a yellow safety beam on the lock wall. Those planning to use this route can contact the Great Bridge Lock operator at 757-547-3311 or call the Norfolk District office at 757-201-7642.
Chart 12206

LNM: 12/19

****VA – YORK RIVER-YORKTOWN AND VICINITY-SARAH CREEK (NORTHWEST BRANCH) - SR 641 - TIDEMILL ROAD BRIDGE****
An engineering firm, on behalf of Virginia Department of Transportation, will be performing maintenance SR 641 (Tidemill Road) bridge, over the Sarah Creek (Northwest Branch), at mile 1.1, at Gloucester, VA. The maintenance will be conducted from 7 a.m. to 5 p.m.; Monday-Saturday; from June 1, 2019, through November 30, 2019. During work hours, a work platform and work boat will be in and around the vicinity of the bridge that will reduce the horizontal clearance of the bridge to approximately 39 feet. The bridge will be unrestricted, at all other times. Vessels able to safely transit through the bridge with the reduced clearance, may do so at any time. Vessels that cannot safely transit through the bridge with the reduced clearance should notify the project foreman no less than one hour prior to transiting through the bridge. Maintenance personnel, equipment and vessels will relocate from the navigable channel, upon request. Work vessels may be reached on VHF-FM channels 13 and 16. The project foreman can be reached at (804) 238-1182 or (804) 432-0179. Mariners should use caution navigating through the area.
Chart 12241

LNM: 23/19

****VA – NC – OFFSHORE – GEOPHYSICAL SURVEY****
Geophysical Survey Work, seabed mapping and characterization with towed sidescan sonar, magnetometer and Ultra-High Resolution Seismic.cowed equipment on the surface and 3-10m above the seabed. The towed equipment may be up to 1000 feet from the M/V GERRY BORDELO. Vessel will be stationary while grab samples of the seabed are collected. Main survey area: 43°31'00.80"SE of the Cape Henry lighthouse, 37°31'00.64"NE of Oregon Inlet, NC and 26°31'00.64"E of Corolla, NC. A series of lines from the main survey area at 43°31'00.80"SE of the Cape Henry Lighthouse to shore approximately 11nm S of the Cape Henry lighthouse. Center of main survey area: 36°58'05.88"N 75°08'42.46"W, Main survey area stretches from 36°58'05.88"N to 36°28'05.88"N and 75°00'42.46"W to 75°00'42.46"W. For questions or more information, contact James Hougharm at 713-690-4900.
Charts: 12200 12204 12207

LNM: 23/19
Mariners are advised to use extreme caution transiting through the Bonner Bridge in Oregon Inlet, NC. Mariners should follow the aids to navigation closely and stay clear of construction areas. There are submerged concrete pilings just below the waterline in the vicinity of construction. The temporary bridge navigation span is between Bents 173 and 176 of the old bridge. The horizontal clearance of this span is 169 feet and the vertical clearance is 70 feet. 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. Mariners should be aware that anchor wires may be at or just above/below the water surface between the barges and crown buoys; therefore vessels should stay on the outboard side of the crown buoys. 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/.

Herbert C. Bonner Bridge across the Oregon Inlet, at mile 0.9, Dare County, NC. During demolition of the old bridge, the designation of navigation spans and placement of bridge lighting will be changed several times, as reflected below, and provided via updated local notice to mariners and broadcast notice to mariners.

Phase 2 (Effective April 24, 2019): The navigation spans are between bridge bents 173 and 176 (old bridge, with no superstructure between bridge bents) and bridge bents 20 and 21 (span 21) on the new bridge. The approximate limiting navigation clearances are 70 feet above mean high water (new bridge, span 21) and 169 feet between bridge bents (old bridge, between bridge bents 173 and 176). Temporary bridge lighting has been placed between bridge bents 173 and 176 of the old bridge and between bridge bents 20 and 21 (span 21) of the new bridge.

Mariners are advised to use extreme caution when transiting through the bridge, follow the aids to navigation closely and remain at least 500 feet clear of all construction vessels and equipment. Submerged concrete pilings are just below the surface of the water near construction activities.

NC - NEW RIVER - FIRING EXERCISES

Marine Corps Installations East-Marine Corps Base Camp Lejeune, North Carolina, Live firing and training:

Mariners traveling in Atlantic Intracoastal Waterway through this area can expect a delays of about one to four hours during the below times.

- Range Control Boats, from Camp Lejeune, NC monitor Channel 16 VHF-FM and the working Channel 82 VHF-FM. Range Control can be reached at 910-451-3064 or 4449.
- 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 up to 15 NM seaward because of firing exercises during the following periods:
  - NONE SCHEDULED.
  - 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: 24 HOURS DAILY
  - STONE CREEK SECTOR
  - STONE BAY SECTOR
  - 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: 24 HOURS DAILY
  - TRAPS BAY SECTOR
  - COURTHOUSE BAY SECTOR
  - STONE BAY SECTOR
  - GREY POINT SECTOR
EAST OF THE 77 (DEG) 26 (MIN) LONGITUDE LINE.
FARNELL BAY SECTOR  SUNRISE TO SUNSET - DAILY
MORGANS BAY SECTOR  SUNRISE TO SUNSET - DAILY
JACKSONVILLE SECTOR  SUNRISE TO SUNSET - DAILY
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:
NONE SCHEDULED.
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:
NONE SCHEDULED.
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 to include dive operations.
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. Range Control Boats, MCIE-MCB Camp Lejeune NC monitor VHF-FM channels 16 and 82. Range Control can be reached at 910-451-3064 or 4449.
North Carolina Division of Marine Fisheries is notifying mariners of Artificial Reef AR-460 which is currently uncharted. It is located approximately 3 nautical miles south of Shallotte Inlet Lighted Whistle Buoy SH (LLNR 31050), centered at 33 50 05N, 78 22 01W and extends 500 yards in all directions. The reef maintains a 15-foot minimum depth. Division of Marine Fisheries is working to get the AR-460 charted, at which time this notice will expire. For more information, contact Jason Peters with the division's Artificial Reef Program at 252-808-8063 or jason.peters@ncdenr.gov.
The Hilton R/R Bridge on the Cape Fear River in Wilmington, NC is not in normal operation due to electrical issues. The bridge will require a three hour notice in order to open for vessels. To request the bridge be opened, mariners should contact the bridge tender at 910-371-9612. While the Hilton R/R Bridge is being opened, the Nevassa R/R Bridge will remain closed and untended for up to three hours.

SECTION VIII - LIGHT LIST CORRECTIONS

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<th>Name and Location</th>
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<th>Range</th>
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<td>NW on pile, worded DANGER SHOAL. 23/19</td>
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<td></td>
<td>St. Peters Creek Warning Daybeacon C</td>
<td>38-09-04.206N 075-48-50.962W</td>
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<td>28962.2</td>
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<td>35-04-43.471N 076-00-17.432W</td>
<td>Q G</td>
<td>4</td>
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<td>Green.</td>
<td>23/19</td>
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### SECTION VIII - LIGHT LIST CORRECTIONS (Continued)

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<th>No.</th>
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<th>Characteristic</th>
<th>Height</th>
<th>Range</th>
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<td>Red nun with yellow triangle.</td>
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<td>Maintained from May 1 to Nov. 1</td>
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### PUBLICATION CORRECTIONS

None

### ENCLOSURES

1. Summary of Shoaling.
2. Summary of Bridge Regulations/Construction/Permits.
4. Summary of Marine Events.
5. Tred Avon River Oyster Restoration.
SUMMARY OF SHOALING REPORTED IN THE FIFTH COAST GUARD DISTRICT

NEW JERSEY SHOALING

NJ – INTRACOASTAL WATERWAY – LITTLE EGG HARBOR TO CAPE MAY INLET – SHOALING
Shoaling has been located in the vicinity of New Jersey Intracoastal Waterway Light 262 (LLNR 36005). Shoaling has encroached into the channel, depths are currently between 5 - 6ft at MLW.

Chart 12316

*** NJ – INTRACOASTAL WATERWAY – LITTLE EGG HARBOR TO CAPE MAY INLET – SHOALING***
Shoaling has been reported in the New Jersey Intracoastal Waterway (NJICWW) IVO Beach Haven between NJICWW LT 130 (LLNR35536) and NJICWW LT 132 (LLNR 35550). Shoaling is visible at low tide and extends approximately 20yds into the channel, mariners are advised to use extreme caution when transiting the area.

Chart 12316

NJ – INTRACOASTAL WATERWAY – MANASQUAN INLET TO CAPE MAY INLET - SHOALING
Shoaling has been reported in the New Jersey Intracoastal Waterway (NJICWW) between Manasquan Inlet and Cape May Inlet. Mariners are advised to use extreme caution when transiting the NJICWW due to shoaling. The following are some of the locations where the shoaling has been reported. NJICWW Light 4 (LLNR 34995), NJICWW Light 38 (LLNR 35115), NJICWW Daybeacon 45 (LLNR 35165) & Daybeacon 46 (LLNR 35167), NJICWW Daybeacon 49 (LLNR 35108), NJICWW Junction Light LB (LLNR 35420) to Light 109 (LLNR 35430), North side of Tow Island at NJICWW Daybeacon 129 (LLNR 35530), NJICWW Light 145 (LLNR 35590) to Light 163 (LLNR 36565) Black Point on the red side. Between NJICWW Daybeacon 206 (LLNR 35825) and Daybeacon 209 (LLNR 35835) IVO Bader Field, IVO NJICWW Daybeacon 221 (LLNR 35867), Between NJICWW Light 233 (LLNR 35905) and Daybeacon 242 (LLNR 3535945) Broad Thorofare. IVO NJICWW Buoy 263 (LLNR 36007) and Buoy 263A (LLNR 36009) Shooting Island on the green side. Between NJICWW Daybeacon 272 (LLNR 36035) and Daybeacon 282 (LLNR 36070) in Peck Bay. Between NJICWW Light 383 (LLNR 36420) Daybeacon 399 (LLNR 36470). Between NJICWW Buoy 417 (LLNR 36517) and Buoy 424 (LLNR 36535) Great Channel. Between NJICWW Light 449 (LLNR 36625) and Light 453 (LLNR 36639) Grassy Sound. Ref LNM 24/17

Chart 12316, 12324

NJ – SALEM RIVER – SHOALING
Shoaling was reported in the Salem River, in Salem, NJ. The shoaling was reported between Salem River Entrance Channel Light 5 (LLNR 2670), Light 6 (LLNR 2675) and Light 7 (LLNR 2680), Light 8 (LLNR 2685) on the east side of the channel. The depth was reported at 10 feet shortly after high tide. Mariners are advised to proceed with caution when transiting the area.

Chart 12311

PENNSYLVANIA SHOALING

Shoaling has occurred in the Delaware River in approximate position 39-48.18791, 075-25.354427w, 50 feet off the green channel toe, in the vicinity of Marcus Hook Intake Light (LLNR 3170). Shallowest depth 38.5 feet. All mariners are requested to transit the area with caution. Ref LNM 09/18

Chart 12312

PA – NJ – CHESTER RANGE – SHOALING
The Coast Guard has received a report of shoaling 40ft within the PA side of the channel in approx position 39-49’33.80”N, 075-22’39.81”W. The rock mound has been reported to have a minimum depth of 39.1ft. Mariners are urged to use caution when transiting the area.

Chart 12312

DELAWARE SHOALING

DE- INDIAN RIVER BAY – SHOALING
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 M! (LLNR 4436). Depths of 0.0 ft at times, during low tide, were reported.

Chart 12216

DE – REHOBOTH BAY – INDIAN RIVER – BACKERS CHANNEL – SHOALING
The Delaware Department of Natural Resources and Environmental Control (DNREC) reports shoaling in Baker’s Channel between Baker’s Channel Lighted Buoy 1A (LLNR 2136) and Baker’s Channel Lighted Buoy 1B (LLNR 2137) as well as Baker’s Channel Lighted Buoy 5 (LLNR 2137.04) and Baker’s Channel Lighted Buoy 6 (LLNR 2137.05). DNREC has established two warning buoys worded “DANGER SHOAL” to mark the shoaling. Mariners are advised to transit that area with caution. Ref LNM 28/17

Chart 12216

MARYLAND SHOALING

MD - FENWICK ISLAND TO CHINCOTEAGUE INLET - OCEAN CITY INLET – SHOALING
A Maryland Department of Natural Resources Bathymetric Survey conducted in Nov 2017 has identified shoaling midway between Ocean City Inlet Lighted Buoy 8 (LLNR 4745) and Lighted Buoy 10 (LLNR 4750) to a depth of less than five feet at MLLW and extending approximately 150 feet into the channel. A second area of severe shoaling has been identified between Ocean City Lighted 11 (LLNR 4755) and Lighted Buoy 12 (LLNR 4757) to a depth of less than seven feet at MLLW.

Chart 12211

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

There has been a report of shoaling in Sinepuxent Bay within the channel boundaries in the vicinity of Sinepuxent Bay Channel Daybeacon 11B (LLNR 5050), to a depth of three feet at mean low water and extending approximately 10 yards into the Channel boundaries. MD BNM 116-19

Chart 12211

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

Shoaling exist between Sinepuxent Bay Channel Lighted Buoy 11 (LLNR 5042) to Sinepuxent Bay Channel Light 13 (LLNR 5055), water depth of three feet. Shoaling between Sinepuxent Bay Channel Buoy 6 (LLNR 5015) to Sinepuxent Bay Channel Buoy (LLNR 5017), water depth of four and one half feet. 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

MD – POTOMAC RIVER – ST. GEORGE CREEK – SHOALING

The Army Corps of Engineers, Baltimore District. Survey of St. George Creek Channel dated April 2018, indicates shoaling across the entire channel. The shoaling is from 850 feet up the channel of St. George West Channel Warning Light A (LL 16760) to 500 feet up the channel of St. George West Channel Warning Daybeacon B (LL 16765), with a least depth of 3.1 feet MLLW.

Chart 12233

MD – POTOMAC RIVER – ST. PATRICK CREEK – SHOALING

There has been a report of severe shoaling within the channel boundaries of St. Patrick Creek. Shoaling has been reported in the vicinity of St. Patrick Creek Channel Daybeacon 3 (LLNR 17120) extending to St. Patrick Creek Channel Daybeacon 5 (LLNR 17135) with depths of 2-4' at MLW. Shoaling to 1' MLW has been observed in the channel in the vicinity of St. Patrick Creek Channel Buoy 3A (LLNR 17125).

Chart 12286

****MD – MOBJACK BAY AND YORK RIVER ENTRANCE – BACK RIVER****

A recent NOAA survey identified shoaling to a depth of 8 feet at MLW in Back River between Back River Channel Daybeacon 6 (LLNR 12930) and Back River Channel Light 5 (LLNR 12925). The survey also identified shoaling around Back River Channel Light 4 (LLNR 12920) to a depth of 10 ft at MLW.

Chart 12222

MD – CHESAPEAKE BAY - CHESAPEAKE BAY TO PINEY POINT - ST. JEROME CREEK – SHOALING

Maryland DNR survey of the mouth of St. Jerome Creek indicates shoaling, to at least depth of 3.1 feet MLLW, in the channel between St. Jerome Creek Light 4 (LLNR 18810), St. Jerome Creek Daybeacon 4A (LLNR 18812) and St. Jerome Creek Daybeacon 6 (LLNR 18815). The channel width in the area of St. Jerome Daybeacon 4A (LLNR 18812) and Deep Point is reduced to approx 20 ft. MD-NCR BNM 415-16, Ref LNM 52/16

Chart 12233

MD/VA - POTOMAC RIVER - PINEY POINT TO LOWER CEDAR POINT - ST. CATHERINE SOUND LOWER ENTRANCE - SHOALING

Shoaling exists in St. Catherine Sound Lower Entrance at the following locations: (1) off the northeastern tip of St. Catherine Island extending channel ward between position 38-14-17.586N, 076-47-15.552W and position 38-14-32.841N, 076-47-14.761W, and (2) in the vicinity of St. Catherine Sound Lower Entrance 4L (LLNR 17230). Ref LNM 44/16, CGGDS BNM 524-16

Chart 12286

MD – CHESAPEAKE BAY – ST. PETERS CREEK – SHOALING

Shoaling has been located within the channel limits of St. Peters Creek from Entrance Light 1SP (LLNR 23435) to St. Peters Creek Daybeacon 2 (LLNR 23440) least depth of 5.3' in center of channel, 4.3' on the green side of the channel, and 2.3' on the red side of the channel. From St. Peters Creek Daybeacon 2 (LLNR 23440) to St. Peters Creek Daybeacon 3 (LLNR 23445) least depth of 3.7' in the center of channel, 1.7' on the green side of the channel, and 1.7' on the red side of the channel. From St. Peters Creek Daybeacon 3 (LLNR 23445) to St. Peters Creek Daybeacon 5 (LLNR 23450) least depth of 3.3' in center of channel, 1.7' on the green side of the channel, and 2.3' on the red side of the channel. From St. Peters Creek Daybeacon 5 (LLNR 23450) to St. Peters Creek Daybeacon 6 (LLNR 23455) least depth of 3' in the center of the channel, 2.3' on the green side of the channel and 2.7' on the red side of the channel.

Chart 12231

MD – LITTLE CHOPTANK RIVER - SLAUGHTER CREEK – SHOALING

Shoaling in the western portion of Slaughter Creek in the vicinity of Holland Point have encroached easterly in most of the federally marked channel. The shoal adjacent to Slaughter Creek Light 2SC (LLNR 24645) has encroached approx 50-100 yds easterly with observed depths of 3-4' in between tide cycles. Shoaling to 5' MLW has been observed on the red side of the channel between Slaughter Creek Buoy 6 (LLNR 24670) and Slaughter Creek Buoy 8 (LLNR 24683). Sec MD-NCR BNM 045-17

Chart 12264, 12266

MD – CHESAPEAKE BAY - HONGA, NANTICOKE AND WICOMICO RIVERS – FISHING BAY - TAR BAY

A USACE survey conducted in Apr 2016 has identified shoaling to a depth of less than one foot at mean low water between Tar Bay Channel Warning Daybeacon E (LLNR 24595) and Tar Bay Channel Warning Daybeacon K (LLNR 24615). The channel width has been significantly reduced. Observed depths are between 2'4 at high tide. Sec MD-NCR BNM 044-17

Chart 12261

MD – FISHING BAY – FARM CREEK – SHOALING
From entrance of channel to Farm Creek Channel Daybeacon 2 (LLNR 24430) least depth of 5 feet within the channel limits. From Farm Creek Channel Daybeacon 2 (LLNR 24430) to Farm Creek Channel Daybeacon 7 (LLNR 24445) least depth of 2.0 feet on red side of channel, 3.9 Ft centerline of channel, and 2.8 feet on the green side of channel. Ref LNM 16/18.

MD – CHESAPEAKE BAY - ROCK HALL HARBOUR – SHOALING

The MD DNW Survey of Rock Hall Harbor Entrance, dated April 21, 2017 indicates shoaling across the marked channel from Rock Hall Harbor Entrance Buoy 1 (LLNR 26890) to Rock Hall Harbor Light 5 (LLNR 26900). Least depths range to 6.9 feet to 4.8 feet MLLW. Chart 12272, 12278

VA – MD – POTO MAC RIVER – BONUM CREEK – SHOALING

U. S. Army Corps of Engineers Survey of Bonum Creek indicates shoaling, to less than 4 feet MLLW, in the channel between Bonum Creek Light 2B (LLNR 16880), Bonum Creek Channel Daybeacon 3 (LLNR 16885) and Bonum Creek Buoy 3A (LLNR 16887). MD-NCR BNM 149-17. Chart 12286

VIRGINIA SHOALING

VA – NANDUA CREEK
Shoaling has been reported at the entrance to Nandua Creek to 2 feet. HR BNM 311-13 Chart 12226

VA – CHINCOTEAGUE CHANNEL – SHOALING
The shoal adjacent to Chincoteague Channel Lighted Buoy 28 (LLNR 5397) has encroached approximately 30-40 yds into the channel, depths of 3 - 4' at MLW. LNM 12/19 Chart 12210

VA – CHINCOTEAGUE INLET TO GREAT MACHIPONGO INLET – VIRGINIA INSIDE PASSAGE – WALLOPS ISLAND – SHOALING
There has been a report of shoaling in the vicinity of Wallops Island Lighted Buoy 2 (LLNR 5520) to a depth of one foot. Chart 12210

VA – VIRGINIA INSIDE PASSAGE (VIP)
VIP Day beacon 184 (LLNR 6220) to VIP Day beacon 265 (LLNR 6580), Shoaling to less than 6ft MLW. HR BNM 106-16

VA – CAPE HENRY TO THIMBLE SHOAL LIGHT – LYNNHAVEN INLET – SHOALING
Shoaling has been observed in Lynnhaven Basin and connected tributaries, south of Lesner Bridge. Depths of 0-3 feet have been reported from Pleasure House Creek eastbound to Long Creek Daybeacon 10 (LLNR 10170), in Crab Creek, Lynnhaven Inlet, Long Creek and at Great Neck Point. Depths of 3-5.9 feet have been reported east of Long Creek Daybeacon 10 to the entrance of Broad Bay. Navigation of the area requires extreme caution due to shoaling and the shifting nature of these shoals because of weather and tidal currents. HR BNM 407-18 Chart 12254

VA – CHESAPEAKE BAY – RAPPAHANNOCK RIVER ENTRANCE – MILFORD HAVEN EAST
Shoaling to a depth of 2 Feet at low tide has been identified from 400 yards northeast of Milford Haven East Buoy 7 (LLNR 14593.5) extending to the south 600 yards. Shoaling extends to the west 250 yard and impedes the width of the channel both inbound and out bound. Shoaling to a depth of 3 feet has been identified in various locations west of Buoy 7 (LLNR 14593.5) To Buoy 18 (LLNR 14625). Chart 12235

VA – RAPPAHANNOCK RIVER ENTRANCE – QUEENS CREEK – SHOALING
The Army Corps of Engineers, Norfolk District, Survey of Queens Creek Channel; dated June 21, 2017 indicates shoaling across the channel from Queens Creek Channel Buoy 2 (LLNR 14820) to Queens Creek Channel Lighted Buoy 5(LLNR 14840) Least depths range from 5.8 feet MLLW to 1.8 feet MLLW. LNM 29/17 Chart 12235

VA – CHESAPEAKE BAY - MATTAWOMAN CREEK – SHOALING
Shoaling has been reported to a depth of 2.3ft at mean low water in the channel of Mattawoman Creek between Mattawoman Creek Light 1MC (LLNR 21580) and Mattawoman Creek Light 2 (LLNR 21585). Mariners are advised to transit the area with caution. Chart 12226

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

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

VA – CHESAPEAKE BAY – MOBJACK BAY AND YORK RIVER ENTRANCE – DAVIS CREEK – SHOALING
Significant shoaling has been identified from USACOE survey dated 07 Sep 2016 in Davis Creek. Shoaling of the channel begins 100 yards south of Davis Creek Warning Daybeacon B (LLNR 14130) to a depth of 4.9 feet extending across the entire length and width of the channel to 150 yards north of Davis Creek Warning Daybeacon D (LLNR 14140) with a minimum identified depth of 1.2 feet. Ref LNM 12/17 Chart 12238

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

**VA – CHESAPEAKE BAY – BACK RIVER – SHOALING**
A NOAA Survey identified shoaling to a depth of 6 feet MLW in Back River in approximate position 37-06'33.0"N, 076-16'40.8"W, approximately 75 yards west of Back River Daybeacon 6 (LLNR 12930). Mariners are advised to transit the area with caution. HR BNM 044-17, LNM 07/17 Chart 12222

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

**VA – GREAT WICOMICO RIVER – SHOALING**
Shoaling has been identified in the vicinity of Great Wicomico River Light 9 (LLNR 16300) extending 30 yards north and north northeast of structure to a depth of less than 2 feet.

**VA – RAPPAHANNOCK RIVER – SHOALING**
Rappahannock River mile 60 to 63, Devils Elbow. Shoaling has been reported to a depth of less than 04 ft at mean low water along the eastern side of the channel from Horse Head Point to south of Tobys Point extending along the eastern side of Tobys Point to North Bend. HR BNM 051-17, LNM 08/17 Chart 12237

**VA - RAPPAHANNOCK RIVER - CORROTOMAN RIVER TO FREDERICKSBURG – GREENVALE CREEK SHOALING**
An Army Corps of Engineers Survey of Greenvale Creek Channel indicates shoaling, to a least depth of 1.7 feet MLLW, across the channel from approximately 250 feet North-Northeast of Greenvale Channel Warning Daybeacon A (LLNR 15305) continuing inbound for approximately 880 feet. Ref LNM 50/16 Charts 12237

**VA - MD - POTOMAC RIVER - PINYE POINT TO LOWER CEDAR POINT - ST. CATHERINE SOUND LOWER ENTRANCE - SHOALING**
Shoaling exists in St. Catherine Sound Lower Entrance at the following locations: (1) off the northeastern tip of St. Catherine Island extending channel ward between position 38-14-17.586N, 076-47-15.562W and position 38-14-32.841N, 076-47-14.761W, and (2) in the vicinity of St. Catherine Sound Lower Entrance 4L (LLNR 17230). Ref LNM 44/16, CCGD5 BNM 524-16 Chart 12286

**VA - POTOMAC RIVER - YEOCOMICO RIVER - SHOALING**
There has been a report of shoaling in the Yeocomico River within channel boundaries, located SE of South Yeocomico Creek indicating shoaling to a depth of less than ten feet at mean low water. MD-NCR BNM 408-16, Ref LNM 50/16 Chart 12233

**VA - POTOMAC RIVER - PINYE POINT TO LOWER CEDAR POINT - BONUM CREEK - SHOALING**
Soundings in Bonum Creek indicates shoaling in the channel between Bonum Creek Warning Daybeacon C (LLNR 16885), Bonum Creek Warning Daybeacon D (LLNR 16890), and Bonum Creek Warning Daybeacon E (LLNR 16895). Due to extensive shoaling off Sandy Point Neck, the channel width has been reduced to approx 200ft between Bonum Creek Warning Daybeacons C and D. Mariners are urged to use caution. Chart 12286

**VA – UPPER POTOMAC RIVER – POTOMAC CREEK – SHOALING**
Severe shoaling has been reported within the channel boundaries of Potomac Creek. Shoaling extends 15 yards channel ward of Potomac Creek Buoy 3 (LLNR 17920) with depths of 3 to 4 feet at MLW. Additional shoaling further in has been observed to a depth less than 3 feet at MLW. Ref LNM 14/18 Chart 12288

****VA – RUDEE INLET – SHOALING****
Survey from May 31 indicates shoaling outbound on outer south jetty, least depth 8.7. Chart 12200

**NORTH CAROLINA SHOALING**

**NC – OREGON INLET – SHOALING**
Shoaling to a depth of 2 feet MLW has been observed in Oregon Inlet within the Bonner Bridge Navigation Span extending several hundred feet to the west. Mariners are advised to use extreme caution while navigating this area. NC BNM 492-18 Chart 12205

**NC – CAPE HATTERAS – HATTERAS INLET**
Shoaling has been found encroaching 40 yards into the channel, depths of 2-3 at MLW. Shoaling to 2-3 MLW has been observed on the red side of the channel between Hatteras Inlet Channel Lighted Buoy 12 (LLNR 28732) and Buoy 12A (LLNR 28732.1). NC BNM 321-18 Chart 11555

**NC – CAPE HATTERS – BARNEY SLOUGH**
Shoaling has been found along north side of channel between Barney Slough Channel Buoy 4 (LLNR 28721.7) and Barney Slough Channel Lighted Buoy 6 (LLNR 28722.3). Observed depths of 4 feet MLW. Chart 11555

****NC – BARDEN INLET – BACK SOUND – SHOALING****
Significant shoaling exists in Barden Inlet and Back Sound between Barden Inlet Buoy 8 (LLNR 29180) and Barden Inlet Buoy 15 (LLNR 29210) to an average channel depth of less than 3 feet at MLW. Under the current condition of the inlet, the aids to navigation can no longer be configured to safely
mark a passable channel and the aids to navigation will be discontinued. Two Danger Shoal Buoys will be placed at each end of the removed section. Mariners are advised to use extreme caution while navigating this area. NC BNM 136-19
Chart 11545

**NC – BEAUFORT HARBOR – SHOALING**
U.S. Army Corp of Engineers Survey on 4 Oct 2018 revealed significant shoaling between Beaufort Harbor Channel Lighted Buoy 2 (LLNR 34805) and Beaufort Harbor Buoy 2A (LLNR 34807) in Beaufort Harbor Channel. Depths as low as 6 feet at mean low water were reported along the right hand side of the channel when returning from sea. Mariners are advised to navigate with extreme caution when transiting this area. NC BNM 427-18, LNM 42/18 Chart 11545

**NC – BOGUE SOUND – SHOALING**
Shoaling has been reported between Bogue Sound Daybeacon 10 (LLNR 38875) and Bogue Sound Daybeacon 14 (LLNR 38895), 10 yards into the channel to a depth of 1-2 feet MLW. Mariners are advised to use extreme caution while navigating this area. NC BNM 228-18
Chart 11541

**NC – BOGUE SOUND – PELETIER CREEK – SHOALING**
Severe shoaling has been reported in Peletier Creek near Bogue Sound to a depth of 3 feet MLW. Multiple aids to navigation have been removed from Peletier Creek and Peletier Creek Entrance Daybeacon 1 (LLNR 38820) and Peletier Creek Entrance Daybeacon 5 (LLNR 38835) have been converted into a non-lateral warning aids. NC BNM 545-18
Chart 11541

**NC – LENOXVILLE POINT – TAYLOR CREEK – SHOALING**
Shoaling exists in the channel in vicinity of Lenoxville Point Buoy 1L (LLNR 34757) through Lenoxville Point Buoy 3 (LLNR 34760). NC BNM 294-18. Chart 11545

**NC – CORE SOUND – WAINWRIGHT SLOUGH – SHOALING**
Significant shoaling exists between Core Sound Light 5 (LLNR 34345) and Core Sound Daybeacon 5B (LLNR 34350) in Wainwright Slough. Depth less than 3 feet may be present within the channel. Mariners are advised to navigate with extreme caution when transiting this area. NC BNM 384-18 Chart 11550

**NC – WESTERN PART OF PAMLICO SOUND – PAMLICO RIVER – WRIGHT CREEK – SHOALING**
Mariners are advised of shoaling in vicinity of Wright Creek Daybeacon 4 (LLNR 32870) off the Pungo River. NC BNM 141-18 Chart 11553

****NC – CAROLINA BEACH INLET – SHOALING****
Significant shoaling exists in Carolina Beach Inlet to a depth of less than 4 feet at mean low water. Multiple aids to navigation are unreliable and not marking good water. Mariners should use extreme caution while navigating this area. NC BNM 112-19 Chart 11541

**NC - NEUSE RIVER TO MYRTLE GROVE SOUND – AICWW - NEW RIVER TO CAPE FEAR RIVER – BROWNS INLET**
Shoaling has been reported in the AICWW near the intersection of Browns Inlet and the AICWW in the vicinity of New River – Cape Fear River Buoy 61A (LLNR 39223).

**NC - NEUSE RIVER TO MYRTLE GROVE SOUND - NEW RIVER – NEW RIVER INLET CROSSING**
Shoaling has been reported in New River Inlet Crossing near Bogue Sound - New River Buoy 72A (LLNR 39300) to a depth of 3 feet MLW. NC BNM 011-19
Chart 11542

**NC - NEW TOPSAIL INLET – SHOALING**
Significant shoaling has been reported throughout New Topsail Inlet. Multiple aids to navigation are unreliable and not marking good water. Mariners should use extreme caution while navigating this area. Chart 11541

****NC – LOCKWOODS FOLLY INLET – SHOALING****
Shoaling exists in Lockwoods Folly Inlet to a depth of 4 feet at mean low water throughout the inlet and to a depth of 2 feet at mean low water in the crossing near Cape Fear River – Little River Buoy 47A (LLNR 40230). Mariners are advised to use caution while navigating this area. NC BNM 186-19 Chart 11534

**NC – INTRACOASTAL WATERWAY - MYRTLE GROVE SOUND TO LITTLE RIVER**
Shoaling was found between Cape Fear River - Little River Buoy 80A (LLNR 40337) and Cape Fear River - Little River Buoy 82 (LLNR 40345). Depths as low as 3ft were observed in the ICW channel at MLW. Position 33-54'25.55"N, 078-23'4.41"W. Shoaling is across the entire channel.
CURRENT PROJECTS

Permits:

SECTOR DELAWARE BAY

- **Delaware**
  - Christina River – Christina River Bridge – Permit (1-17-5) signed April 7, 2017, for a fixed bridge across the Christina River, mile 3.8, City of Wilmington, New Castle County, DE. The bridge will provide a minimum vertical clearance of 14 feet above mean high water and a horizontal clearance of 150 feet centered on the axis of the navigable channel. (KB)

- **New Jersey (Central & Southern)**
  - Oldmans Creek – US Route 130 Bridge - Fixed replacement bridge Preliminary Navigation Clearance Determination (PNCD) issued on March 15, 2018; vertical clearance of 5 feet above mean high water and a horizontal clearance of 75 feet. (HP)
  - Raccoon Creek – US 130 (fixed) Bridge - new fixed bridge structure to replace (lift) bridge. Permit (2-15-5) signed December 9, 2015. (KB)

- **Pennsylvania**
  - Schuylkill River – Grays Ferry Pedestrian Bridge – Permit (3-17-5) signed November 27, 2017, for a swing drawbridge replacement with a vertical clearance of 26 feet above mean high water (closed position), unlimited vertical clearance in the open position, and a horizontal clearance of 75 feet in the west navigation span and 65 feet in the east navigation span. (MT)
  - Darby Creek – S.R. 420 (Wanamaker Avenue) - Fixed replacement bridge Preliminary Navigation Clearance Determination (PNCD) issued on December 13, 2018; vertical clearance of 11 feet above mean high water and a horizontal clearance of 78 feet. (MT)

SECTOR MARYLAND-NATIONAL CAPITAL REGION

- **Maryland**
  - Potomac River – Governor Harry Nice Memorial Bridge – Fixed replacement bridge Preliminary Navigation Clearance Determination (PNCD) issued on March 2, 2018; vertical clearance of 135 feet above mean high water and a horizontal clearance of 250 feet. The center of the main navigation span of the bridge may be shifted up to 585 feet to the west of the current navigation span. (KB)
  - Neale Sound – MD-254 (Cobb Island Road) Bridge – Permit (1-18-5) signed May 2, 2018, for a fixed replacement bridge with a vertical clearance of 20 feet above mean high water and a horizontal clearance of 55 feet. (HP)

- **Washington DC**
  - Anacostia River – Frederick Douglass Memorial Bridge - Permit (2-17-5) signed December 4, 2017, for a fixed bridge replacement with a vertical clearance of 42 feet above mean high water and a horizontal clearance of 150 feet. (MB)

- **Virginia (Northern)**
  - Potomac River – Governor Harry Nice Memorial Bridge – Fixed replacement bridge Preliminary Navigation Clearance Determination (PNCD) issued on March 2, 2018; vertical clearance of 135 feet above mean high water and a horizontal clearance of 250 feet. The center
of the main navigation span of the bridge may be shifted up to 585 feet to the west of the current navigation span. (KB)

SECTOR HAMPTON ROADS

- **Virginia (Southern)**
  Western Branch of the Elizabeth River – Churchland Bridge - Permit Amendment (53b-73-5) signed May 1, 2019, for a fixed bridge replacement of the northbound structure of the bridge with a structure providing a vertical clearance of 36.63 feet above mean high water and a horizontal clearance of 80 feet. (MS)

SECTOR NORTH CAROLINA

- **North Carolina**
  Atlantic Intracoastal Waterway – NC 210/50 Bridge, Surf City, NC - new fixed bridge structure to replace (swing) bridge. Permit (2-16-5) signed September 27, 2016. (KB)
  The Straits – Harkers Island Bridge – Bridge Replacement - Fixed replacement bridge Preliminary Navigation Clearance Determination (PNCD) issued on March 24, 2017; vertical clearance of 45 feet above mean high water and a horizontal clearance of 125 feet. (MB)
  Perquimans River – US 17 Business Bridge (Hertford, NC) – replacement swing drawbridge Preliminary Navigation Clearance Determination (PNCD) issued on November 1, 2017; vertical clearance of 33 feet above mean high water and a horizontal clearance of 55 feet. NCDOT preferred alternative would provide a vertical clearance of 12 feet above mean high water in the closed position, unlimited vertical clearance in the open position and a horizontal clearance of 55 feet. (HP)
  Pamlico Sound – Bridge No. 71 (Rodanthe) Bridge – new fixed bridge carrying NC 12 on the mainland side of the outer bank along the northeastern shore of Pamlico Sound from a position approximately 1.8 miles north of the southern boundary of the Pea Island National Wildlife Refuge to a position north of the Chicamacomico Channel and the emergency ferry terminal in Rodanthe, Dare County, NC. Permit (1-19-5) signed on February 20, 2019. (HP)

**Regulations:**

SECTOR DELAWARE BAY

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

SECTOR MARYLAND-NATIONAL CAPITAL REGION

- **Washington, DC & Virginia (Northern)** – None
- **Maryland** – Island of Wight (Sinepuxent) Bay - US 50 (Harry W. Kelley Memorial) Bridge – Bridge will be maintained in the closed-to-navigation position from 4 p.m. through 4:55 p.m. on Saturday June 15, 2019 and Sunday June 16, 2019, to facilitate the 2019 Ocean City Air Show. The bridge will open for an emergency. Vessels able to pass through the bridge in the closed position may do so at any time, and all others should adjust their transits accordingly. At all other times, the drawbridge will operate in accordance with the operating regulations set out in Title 33 Code of Federal Regulations Part 117.559. Mariners should use caution when transiting the area. (MT)

SECTOR HAMPTON ROADS
Virginia (Southern) - None

SECTOR NORTH CAROLINA

North Carolina - None

Construction, et al:

SECTOR DELAWARE BAY

Delaware

Lewes and Rehoboth Canal - Rehoboth Avenue (SR 1A) Bridge – Under this temporary deviation, the bridge will remain in the closed-to-navigation position from Monday, May 13, 2019, and Saturday, August 31, 2019; Mon-Fri; from 8 p.m. to 5:00 a.m. The drawbridge is a bascule drawbridge with a vertical clearance in the closed-to-navigation position of 16 feet above mean high water; however, bridge maintenance will require a containment structure to hang below the bridge reducing the vertical clearance to 13 feet above mean high water throughout the maintenance period. The bridge will be unable to open for emergency vessels. Mariners should use caution when transiting the area. (MB)

Christina River - SR 141 (1-501) Bridge – Bridge maintenance will be conducted from May 4, 2019, to October 1, 2019, Monday-Saturday from 7 a.m. to 5 p.m. To facilitate the work, two crane barges will be in the vicinity of the navigational channel to assist with the placement of riprap. There will also be divers in and around the vicinity of the crane barges. The Project Foreman may be reached on VHF/FM Channel 13. Mariners are urged to use caution when transiting the area. (MS)

New Jersey (Central & Southern)

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

Delaware River - Interstate 276/Delaware River Turnpike Bridge – Bridge work on the bridge superstructure will continue to be performed from 7 a.m. to 7 p.m.; M-F; and from 6 a.m. to 6 p.m. on the weekends. The repainting and miscellaneous improvements ongoing since mid-November, 2015, will be extended through July 31, 2019. The project foreman may be contacted at 267-767-2550. Mariners should use caution when navigating through the area. (MT)

Delaware River - Betsy Ross Bridge - Painting will be conducted from May 15, 2018, to October 1, 2019; Monday - Saturday, from 7 a.m. to 5 p.m. A work platform will be installed and will extend 3 feet below low steel. The vertical clearance of the bridge will be reduced by 3 feet, to approximately 110 feet above mean high water. There will be no maintenance personnel or equipment in the waterway. A small safety boat will be in vicinity of the bridge when work is conducted over the navigational spans. Mariners are urged to use caution when transiting the area. (MS)

New Jersey Intracoastal Waterway (NJICW), Inside Thorofare - US40-322 (N Albany Ave) Bridge – Bridge maintenance will be conducted from 7 a.m. to 7 p.m.; Monday-Friday; from
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September 24, 2018, through January 24, 2020. Work will consist of repair and rehabilitation of the bridge fender system. A crane barge, a material barge, a 25-foot work vessel, and several work floats will be located in and around the vicinity of the bridge. During the work hours, the horizontal clearance of the bridge will be reduced to approximately 25 feet due to work floats located inside the navigational channel throughout for the duration of the maintenance period. Vessels that can safely transit through the bridge during periods with a reduced horizontal clearance may do so at any time. Vessels that cannot safely transit through the bridge during periods with a reduced horizontal clearance may transit through the bridge between 11:30 a.m. and 12:30 p.m., if at least a 24-hour prior notice is given to the project foreman. Maintenance personnel, equipment and vessels will relocate from the navigable channel to facilitate the safe transit through the bridge of vessels that cannot safely transit the bridge with a reduced horizontal clearance. Work vessels and barges may be reached on VHF-FM channel 13. The project foreman may be reached at (215) 394-7997. Mariners should use extreme caution when transiting the area. (MT)

New Jersey Intracoastal Waterway (NJICW), Beach Thorofare - US 30 (Absecon Boulevard) Bridge – Bridge maintenance will be conducted from 7 a.m. to 7 p.m.; Monday-Friday; from September 24, 2018, through January 24, 2020. Work will consist of repair and rehabilitation of the bridge fender system. A crane barge, a material barge, a 25-foot work vessel, and several work floats will be located in and around the vicinity of the bridge. During the work hours, the horizontal clearance of the bridge will be reduced to approximately 30 feet due to work floats located inside the navigational channel throughout for the duration of the maintenance period. Vessels that can safely transit through the bridge during periods with a reduced horizontal clearance may do so at any time. Vessels that cannot safely transit through the bridge during periods with a reduced horizontal clearance may transit through the bridge between 11:30 a.m. and 12:30 p.m., if at least a 24-hour prior notice is given to the project foreman. Maintenance personnel, equipment and vessels will relocate from the navigable channel to facilitate the safe transit through the bridge of vessels that cannot safely transit the bridge with a reduced horizontal clearance. Work vessels and barges may be reached on VHF-FM channel 13. The project foreman may be reached at (215) 394-7997. Mariners should use extreme caution when transiting the area. (MT)

Townsend Inlet - CR619 (Ocean Drive) Bridge – Bridge maintenance will be conducted from 6 a.m. to 3 p.m.; Monday through Saturday, from September 21, 2018, to May 22, 2019. The construction personnel will not be operating in the navigable channel. The Project Foreman may be reached at (609) 624-9090. Mariners should use caution when transiting the area. (MS)

NJICW (Cape May Canal) - SR 109 Bridge – Bridge maintenance, which began in September, 2017, will continue to be conducted from 7 a.m. to 5 p.m.; M-F; through July 31, 2019. Several work vessels, work barges and work floats and divers will be around the vicinity of the bridge during work hours. Vessels can safely transit through the bridge, unrestricted, at any time. The work vessels and work barges may be reached on VHF-FM channel 13. The project foreman may be reached at (267) 907-5087 or (215) 208-1759. Mariners should use extreme caution when transiting the area and transit through the bridge at a safe speed. (MT)

NJICW (Cape May Canal) - SR 162 (CR 626/Seashore Road) Bridge - Bridge maintenance, which began in October 2017, will continue to be conducted from 7 a.m. to 5 p.m.; M-F; from
May 27, 2019, through July 31, 2019. Several work vessels, work barges and work floats and divers will be around the vicinity of the bridge during work hours. Vessels can safely transit through the bridge, unrestricted, at any time. The work vessels and work barges may be reached on VHF-FM channel 13. The project foreman can be reached at (267) 907-5087 or (215) 208-1759. Mariners should use extreme caution when transiting the area and transit through the bridge at a safe speed. (MT)

Fortescue Creek - SR 637 (Downe Avenue/ Fortescue Road) Bridge – Bridge maintenance will be conducted from 7 a.m. to 5 p.m.; Monday-Friday; on November 1, 2018, through September 30, 2019. A crane vehicle will be on and around the vicinity of the bridge. Maintenance personnel, equipment and vehicle will relocate from the navigable channel, upon request. The onsite-foreman may be reached on VHF-FM channels 13 and 16, and may also be reached at (856) 297-2794. Mariners should notify the work foreman no less than thirty minutes prior to transiting the bridge. Mariners should use caution navigating through the area. (MT)

Delaware River - SR 413 (Burlington-Bristol) Bridge – Bridge will be maintained in the closed-to-navigation position to facilitate bridge maintenance of the bridge lift span. The bridge will be maintained in the closed position 24 hours a day; 7 days a week; from 6 a.m. on March 1, 2019, through 11:59 p.m. on October 1, 2019. During bridge maintenance, work platforms will occupy the bridge span reducing the vertical clearance to approximately 58 feet above mean high water in the closed position and approximately 132 feet above mean high water in the open position. The bridge will open on signal, if two hours prior notification is given. The bridge will not be able to open for emergencies. At all other times the bridge will operate per 33 CFR 117.716 (a). Vessels able to pass through the bridge in the closed-to-navigation position may do so at any time. The bridge tender may be reached using VHF-FM channels 13/16. The project foreman may be reached at (267) 767-2550. Mariners should adjust their transits accordingly and should use caution when transiting the area. (MT)

Delaware River - SR 73 (Tacony-Palmyra) Bridge – Bridge maintenance will be conducted from March 21, 2019, to January 8, 2020, Monday through Saturday, from 7 a.m. to 5 p.m. The maintenance of the bridge will require a vertical clearance restriction of 3 feet in the arched span, between piers D and E, and 4 feet vertical clearance restriction along the remaining sections of the bridge. The project supervisor may be reached at (267) 767-2550. The bridge tender may be reached on VHF-FM channels 13 or 16. Mariners are urged to use caution when transiting the area. (MB)

NJICW (Inside Thorofare) - US Route 40-322 (Albany Ave) Bridge – Bridge maintenance will be conducted between Monday, April 1, 2019, and Friday, June 28, 2019; Mon-Fri; from 7 a.m. to 3 p.m. The bridge maintenance will require a tug and flexi float barge, 20 feet long by 16 feet wide to work in and around the navigable channel. Maintenance personnel, equipment and vessels can relocate with 30 minutes notice. The vessel may be reached on VHF-FM channels 13 and 16. The project superintendent may be reached at (856) 718-2133. Mariners should use caution when transiting the area. (MB)

Shark River - Route 71 (Main Street) Bridge – Bridge maintenance will be conducted between Monday, April 1, 2019, and Friday, June 28, 2019; Mon-Fri; from 7 a.m. to 3 p.m. The bridge maintenance will require a tug and flexi float barge, 20 feet long by 16 feet wide to work in and around the navigable channel. Maintenance personnel, equipment and vessels can relocate with
30 minutes notice. The project superintendent may be reached at (856) 718-2133. Mariners should use caution when transiting the area. (MB) Delaware River - SR 73 (Tacony-Palmyra) Bridge – Bridge painting project will be conducted from March 25, 2019, to March 16, 2020, Monday through Saturday, from 7 a.m. to 5 p.m. To facilitate the work, scaffolding will be installed underneath the bridge and will reduce the vertical clearance by 4 feet at the Tacony Truss and Palmyra Truss Spans and by 3 feet at the Arch Span. The Project Foreman may be reached at (267) 767-2550 or VHF/FM Ch. 13. Mariners are urged to use caution when transiting the area. (MS) Delaware River - SR 73 (Tacony-Palmyra) Bridge – Bridge maintenance will be conducted from 7 a.m. through 3:30 p.m.; Monday-Friday; from May 13, 2019, through August 9, 2019. Two work barges (45 foot crane barge and 35 foot supply barge) and several workboats will be in and around the vicinity of the bridge. The crane barge will be located adjacent to the navigational channel. Maintenance personnel, equipment and vessels will relocate from the moveable span and navigable channel, upon request. Vessels that require the crane barge relocate, should notify the bridge tender no less than 24 hours prior to transiting through the bridge. The bridge tender may be reached on VHF-FM channel 13 and 16. The project foreman may be reached at (215) 651-6278. Mariners should use extreme caution navigating through the area. (MT) New Jersey Intracoastal Waterway (NJICW) - AMTRAK New Jersey Transit Rail Operations (NJTRO) automated railroad swing bridge (Atlantic City Railroad Swing/Beach Draw) Bridge - Bridge inspection will be conducted from 8 a.m. to 5 p.m.; Monday-Friday; on June 3, 2019, through June 14, 2019. A 22-foot work vessel and divers will be operating under and in the vicinity of the bridge to perform the inspection. Inspection personnel, equipment and the vessel will relocate from the moveable span and navigable channel, upon request. The vessel may be reached on VHF-FM channels 13 and 16. The project foreman can be reached at (609) 575-1572. Mariners are requested to notify the project foreman at least 10 minutes prior transiting through the bridge and should use extreme caution when navigating through the area. (MT) Pennsylvania – Schuylkill River - Grays Ferry Railroad Bridge - Modification (pedestrian bridge) activities which began June 2018, are expected to finish on May 1, 2020. Work will be performed from 6 a.m. to 5 p.m.; M-F. During this bridge modification project, one navigation span will be occupied; the other navigation span will be open for vessels to transit. Mariners should navigate the waterway with extreme caution and due regard for prevailing conditions on the waterway. The new bridge will have a vertical clearance of 26 feet above mean high water in the closed-to-navigation position, an unlimited vertical clearance in the open position, a horizontal clearance of 75 feet in the western navigation span, and 65 feet in the eastern navigation span. Detailed project information and information concerning the waterway closures will be provided via updated local notice to mariners, broadcast notice to mariners and marine safety information bulletins. Crane barges, material barges, and support vessels will be operating or stationed in the vicinity of the existing bridge. A.P. Construction Inc.’s vessels are monitoring VHF-FM channels 13 and 16 when working or vessels are operating. The City of Philadelphia construction manager may be contacted at 215-275-8066 and A.P. Construction, Inc.’s project foreman may be contacted at 215-651-6278 or 215-783-2262. Mariners should use extreme caution when transiting the area. (MT)
Delaware River - SR 413 (Burlington-Bristol) Bridge – Bridge will be maintained in the closed-to-navigation position to facilitate bridge maintenance of the bridge lift span. The bridge will be maintained in the closed position 24 hours a day; 7 days a week; from 6 a.m. on March 1, 2019, through 11:59 p.m. on October 1, 2019. During bridge maintenance, work platforms will occupy the bridge span reducing the vertical clearance to approximately 58 feet above mean high water in the closed position and approximately 132 feet above mean high water in the open position. The bridge will open on signal, if two hours prior notification is given. The bridge will not be able to open for emergencies. At all other times the bridge will operate per 33 CFR 117.716 (a). Vessels able to pass through the bridge in the closed-to-navigation position may do so at any time. The bridge tender may be reached using VHF-FM channels 13/16. The project foreman may be reached at (267) 767-2550. Mariners should adjust their transits accordingly and should use caution when transiting the area. (MT)

Delaware River - Interstate 276/Delaware River Turnpike Bridge – Bridge work on the bridge superstructure will continue to be performed from 7 a.m. to 7 p.m.; M-F; and from 6 a.m. to 6 p.m. on the weekends. The repainting and miscellaneous improvements ongoing since mid-November, 2015, will be extended through July 31, 2019. The project foreman may be contacted at 267-767-2550. Mariners should use caution when navigating through the area. (MT)

Schuylkill River - I-76 (Schuylkill) Expressway, west bank, between University Avenue - Bridge maintenance will be conducted between Wednesday, March 27, 2019, and Friday, November 22, 2019; Mon-Fri; from 6 a.m. to 4 p.m. The maintenance will require a tug and two barges to work along the western bank of the Schuylkill River. The project superintendent may be reached at (610) 487-4976. The tug will be monitoring VHF-FM channels 13 and 16. Mariners should use caution when transiting the area. (MB)

Delaware River - SR 73 (Tacony-Palmyra) Bridge – Bridge maintenance will be conducted from March 21, 2019, to January 8, 2020, Monday through Saturday, from 7 a.m. to 5 p.m. The maintenance of the bridge will require a vertical clearance restriction of 3 feet in the arched span, between piers D and E, and 4 feet vertical clearance restriction along the remaining sections of the bridge. The project supervisor may be reached at (267) 767-2550. The bridge tender may be reached on VHF-FM channels 13 or 16. Mariners are urged to use caution when transiting the area. (MB)

Delaware River - SR 73 (Tacony-Palmyra) Bridge – Bridge painting project will be conducted from March 25, 2019, to March 16, 2020, Monday through Saturday, from 7 a.m. to 5 p.m. To facilitate the work, scaffolding will be installed underneath the bridge and will reduce the vertical clearance by 4 feet at the Tacony Truss and Palmyra Truss Spans and by 3 feet at the Arch Span. The Project Foreman may be reached at (267) 767-2550 or VHF/FM Ch. 13. Mariners are urged to use caution when transiting the area. (MS)
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bridge. The bridge tender may be reached on VHF-FM channel 13 and 16. The project foreman may be reached at (215) 651-6278. Mariners should use extreme caution navigating through the area. (MT)

SECTOR MARYLAND-NATIONAL CAPITAL REGION

- **Maryland**

  Chesapeake Bay - US 50/US 301 (William P. Lane Jr. Memorial) (Eastern Channel) Westbound Bridge – Bridge maintenance which began in July 2017, has been extended to December 31, 2020; 24 hours a day; 7 days a week. The work will involve the Spans 44-46 (span 45 is the navigational span). A barge and work vessels will be in and around the vicinity of the bridge. A work platform will be attached to the underside of bridge which will reduce the vertical clearance of the bridge span to approximately 56 feet above mean high water. During the maintenance period from March 5, 2019, through May 25, 2019, a work barge will be located near the center of the navigational span, reducing the horizontal clearance of the bridge to approximately 300 feet on either side of the barge. Work vessels may be reached on VHF-FM channel 13. The project foreman may be reached at (717) 490-1699 or 803-535-9995. Mariners should use extreme caution navigating through the area. (MT)

  Neale Sound - Bridge No. 0803800 (MD-254) Bridge - Construction activities will began on May 21, 2018, and are expected to conclude on August 31, 2020. Work hours are from 6 a.m. to 6 p.m., Monday through Friday. 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. Marine equipment engaged in bridge construction will include the Tug Rising Sun; whirley crane Hampton Road on a 46-foot by 108-foot barge; pedestal crane Patapsco on a 40-foot by 100-foot barge; WS4 a 40-foot by 98-foot crane barge; SC149 a 52-foot by 115-foot deck barge; SC77 a 34-foot by 240-foot car float barge and work boats, jack boats and crew boats. Marine equipment will moor via spuds in Neale Sound during bridge construction and for heavy weather. Mariners may contact vessels and construction personnel via VHF-FM channel 13 and 16. The project superintendent may be contacted at (443) 980-7633 and the project area construction manager may be contacted at (410) 215-3579. Mariners should navigate with extreme caution in the vicinity of the bridge and construction equipment. (HP)

  Chesapeake Bay - US 50/301 (William Preston Lane Jr. Memorial) Bridge - Underwater inspections will be conducted from October 8, 2018, to June 30, 2019, from 7 a.m. to 4 p.m. A 25ft dive boat will be utilized during the inspections and will be moored to the bridge pier and fender system during dive operations. Mariners should use extreme caution when transiting the areas. (MS)

  Potomac River - US 301 (Harry W Nice Memorial) Bridge - Underwater inspections will be conducted from October 8, 2018, to June 30, 2019, from 7 a.m. to 4 p.m. A 25ft dive boat will be utilized during the inspections and will be moored to the bridge pier and fender system during dive operations. Mariners should use extreme caution when transiting the areas. (MS)

  Patapsco River - SR-2 (Hanover Street) Bridge – Bridge is having electrical problems and the center and tail locks are frozen in place. Bridge repairs have commenced and will be ongoing until further notice. The bridge is inoperable and cannot open at this time. The bridge has a
vertical clearance of 21 feet above Mean High Water in the closed position. Mariners should exercise caution when transiting the area. (MB)

**Choptank River - SR 331 (Dover) Drawbridge** – Bridge maintenance will be conducted from 7 a.m. to 8 p.m.; 7 days a week; from May 20, 2019, through August 30, 2019. During the bridge maintenance period, the bridge will be maintained in the open position; a work platform will be located in one navigation span at all times. The other navigation span will be open for vessels to transit through the bridge. The bridge has a horizontal clearance of approximately 80 feet in each navigation span. Mariners should navigate the waterway with extreme caution and due regard for prevailing conditions on the waterway. Maintenance personnel and equipment will not be able to relocate from the moveable span and navigable channel. The bridge tender may be reached on VHF-FM channels 13 and 16, and 410-822-0538. The project foreman may be reached at (410) 371-5124. Mariners should exercise caution navigating through the area. (MT)

- **Washington DC**

**Potomac River - Arlington Memorial Bridge** - On or about June 11, 2018, the Arlington Memorial Bridge Rehabilitation Project will commence. To establish safe access for workers from the crew boats to the bridge structure during, platforms will be installed to the existing bridge and a floating platform (small barge) will be on site, located between Abutments 2 and 3 near the middle of the river. The 5-foot to 6-foot wide access platforms will take 3 weeks to install, during daylight hours, and the access will be installed for the duration of the project, which will continue until late 2020 or early 2021. Though located within the center arch, the work is outside of the 80-foot wide federal navigation channel. Marine equipment on site will include a small crew boat (with marine radio) and a 10-foot wide by 40-foot long floating platform (barge). All marine equipment will be lighted in accordance with USCG regulations. More substantial bridge rehabilitation work is scheduled to start in July 2018. Mariners are urged to use caution when transiting the area, remain alert for on-water activity at the bridge and access area, and reduce speed to minimize wake near the work site. Interested mariners may contact the bridge project’s tender boat via marine band radio VHF-FM channel 16 during the work period. For any questions or concerns, contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at telephone (410) 576-2674 or (410) 576-2693. (MS)

**Anacostia River - Frederick Douglass Memorial (South Capitol Street) Bridge** – Bridge construction commenced in the Anacostia River in Washington, DC on April 19, 2018, and will continue into 2021. The current work consists of building the temporary West Trestle from the western shoreline out to the center of the Federal Channel. A work barge will be stationed in the western/down bound side of the Federal channel during trestle construction and properly lit. The existing western and center fender piers will also be partially demolished, south of the existing bridge. The western half of the Federal channel is currently closed as demarcated by the white exclusion buoys upstream and downstream of the bridge. The East Trestle is also being constructed, which will extend from the eastern shoreline to the east side of the Federal channel. Multiple barges and push vessels are supporting this activity. The eastern half of the Federal channel, east of the center fender pier, will be open for navigation at all times. Construction work will be conducted Mondays through Saturday, between 7 a.m. and 7 p.m., with no pile driving work on Saturday. Marine equipment on site includes a crew boat, a push boat, and multiple deck
barges. All equipment will be marked and lighted as required by U. S. Coast Guard regulations. Mariners are urged to use caution when transiting the area, control wake, and operate at minimum speed necessary to maintain safe course near the work site. Interested mariners may contact the vessels "Ms. Becky" or "Claire Marie" via marine band radio VHF-FM channels 16 and 13 when actively working on the river. (MB)(RH)

- Virginia (Northern) - None

**SECTOR HAMPTON ROADS**

- Virginia (Southern)
  - Lynnhaven Inlet – US 60/John A. Lesner (fixed) Bridge – Work is in progress through August 30, 2019 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. (HP)
  - Queens Creek - I-64 Bridges - Bridge construction will be conducted from December 3, 2018, to September 24, 2021, Monday-Friday from 7 a.m. to 6 p.m. To facilitate the work, a temporary work trestle and a work barge will be in the vicinity of the navigational channel. A minimum 15-foot wide navigational opening will be maintained in the main navigational channel at all times. The Project Foreman may be reached on VHF/FM Channel 13. Mariners should use caution when transiting the area. (MS)
  - York River - US 17 (Coleman Memorial) Bridge – Bridge maintenance will be conducted from April 15, 2019, to September 6, 2019. Bridge maintenance will include installation of submarine cable protection panels outside the navigation channel. Mariners should use caution when transiting the area. (MS)
  - James River - US 17/US 258/SR 32 (James River Bridge) Bridge – Bridge maintenance will be conducted from 7 a.m. to 5 p.m.; Monday-Friday; from 7 a.m. on April 1, 2019, through 5 p.m. on June 30, 2019. A crane barge, work barge, a dive boat with diver, will be in and around the vicinity of the bridge. Maintenance personnel, equipment and vessels will relocate from the moveable span and navigable channel, upon request. Work vessels may be reached on VHF-FM Channel 13 and 16. The project foreman may be reached at (757) 817-1338. Mariners should notify the work foreman no less than thirty minutes prior to transiting through the bridge. Mariners should use caution navigating through the area (MT)
  - Sarah Creek (Northwest Branch) - SR 641 (Tidemill Road) Bridge – Bridge maintenance will be conducted from 7 a.m. to 5 p.m.; Monday-Saturday; from June 1, 2019, through November 30, 2019. During work hours, a work platform and workboat will be in and around the vicinity of the bridge that will reduce the horizontal clearance of the bridge to approximately 39 feet. The bridge will be unrestricted, at all other times. Vessels able to safely transit through the bridge with the reduced clearance, may do so at any time. Vessels that cannot safely transit through the bridge with the reduced clearance should notify the project foreman no less than one hour prior to transiting through the bridge. Maintenance personnel, equipment and vessels will relocate from the navigable channel, upon request. Work vessels may be reached on VHF-FM channels
SECTOR NORTH CAROLINA

- **North Carolina**

  Gallants (Beaufort) Channel – US 70/Grayden Paul (fixed) Bridge – Work is in progress through 2018 (TBD), for construction of a high-level fixed bridge relocated between Radio Island and Michael J Field in Carteret County, and demolition of the existing bridge. The new high-level fixed bridge has a vertical clearance of 65 feet above mean high water and a horizontal clearance of 100 feet between pile bents. 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. (HP)

  Gallants (Beaufort) Channel – US 70/Grayden Paul (fixed) Bridge – Bridge demolition activities will be conducted in the vicinity of the US-70/Grayden Paul (bascule drawbridge), at mile 0.1, over Beaufort (Gallants) Channel at Beaufort NC. Vessels, construction equipment and personnel will be working in the channel from 7 a.m. to 6 p.m., daily, from mid-November 2018, through February 28, 2019. Construction vessels will monitor VHF-FM channels 13 and 86. Mariners should exercise caution when transiting area. (HP)

  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 ongoing 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/](http://www.ncdot.gov/projects/bonnerbridgereplace/). (HP)

  Oregon Inlet - Herbert C. Bonner Bridge - During demolition of the old bridge, the designation of navigation spans and placement of bridge lighting will be changed several times, as reflected below, and provided via updated local notice to mariners and broadcast notice to mariners. Phase 2 (Effective April 24, 2019): The navigation spans are between bridge bents 173 and 176 (old bridge, with no superstructure between bridge bents) and bridge bents 20 and 21 (span 21) on the new bridge. The approximate limiting navigation clearances are 70 feet above mean high water (new bridge, span 21) and 169 feet between bridge bents (old bridge, between bridge bents 173 and 176). Temporary bridge lighting has been placed between bridge bents 173 and 176 of the old bridge and between bridge bents 20 and 21 (span 21) of the new bridge. Phase 3
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(to be announced): The navigation span will be between bridge bents 22 and 23 (span 23) of the new bridge. The adjacent spans of the old bridge will have been removed. The limiting navigation clearances (approximate) will be 70 feet above mean high water and 275 feet between bridge bents. Permanent bridge lighting will be placed between bridge bents 22 and 23 (span 23) of the new bridge. Mariners are advised to use extreme caution when transiting through the bridge, follow the aids to navigation closely and remain at least 500 feet clear of all construction vessels and equipment. Submerged concrete pilings are just below the surface of the water near construction activities. (HP)

Currituck Sound - US 158 (Wright Memorial) Bridge - Maintenance will be conducted from 7 a.m. to 7 p.m.; 7 days a week; from October 3, 2017, through November 1, 2019. A 40 ft. barge, several work boats, several work platforms and a team of divers will be in and around the vicinity of the bridge. Maintenance personnel, equipment and vessels will relocate from the navigable channel, upon request. Work vessels may be reached on VHF-FM channels 13 and 16. The project foreman may be reached at (252) 340-2471 or (936) 404-9514. Mariners should notify the work foreman no less than one hour prior to transiting through the bridge and should use caution when navigating the area. (MT)

Atlantic Intracoastal Waterway (Bogue Sound) - SR 1184 (Atlantic Beach Bridge) Bridge – Bridge maintenance, which began October 2018, will continue to be conducted from 7 a.m. to 7 p.m.; Monday-Saturday; through January 31, 2020. A crane barge, material barge, several tugs, several work vessels and platforms, and a snooper truck will be located in the vicinity of the bridge. The snooper truck will be performing concrete repairs outside the navigation span from September 1, 2019, through November 30, 2019, and within the navigation span from December 1, 2019, through January 31, 2020. During work hours, within the navigation span period from December 1, 2019, through January 31, 2019, the snooper truck will extend below low steel of the bridge approximately five feet, reducing the vertical clearance in the navigation span to approximately 60 feet above mean high water. Vessels that require the snooper truck to clear the navigation span to safely navigate through the bridge should notify the work foreman no less than 30 minutes prior to navigating through the bridge. The tugs, barges, and work vessels and platforms will reduce the horizontal clearance in the navigation span to approximately 50 feet. Vessels that require the tugs, barges, and work vessels and platforms to clear the navigation span to safely navigate through the bridge should notify the work foreman no less than one hour prior to navigating through the bridge. Work vessels may be reached on VHF-FM channel 13. The project foreman may be reached at (571) 287-9269 or (703) 231-8589. Mariners should use extreme caution navigating through the area. (MT)

The Straits - Harkers Island Bridge (SR 1332) - Bridge will remain in the closed-to-navigation position to facilitate bridge repairs due to damage caused by Hurricane Florence. The repairs require the bridge to remain in the closed-to-navigation position. The bridge is a swing bridge with a vertical clearance in the closed-to-navigation position of 14 feet above mean high water. Vessels able to pass through the bridge in the closed position may do so at any time. The bridge will not be able to open in case of an emergency and there is an alternate route for vessels to pass. Mariners should use caution when transiting the area. (MB)

Permits/Construction:
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- **Delaware** – None
- **New Jersey (Central & Southern)** - None
- **Pennsylvania** – None

**SECTOR MARYLAND-NATIONAL CAPITAL REGION**
- **Maryland**
  - Potomac River - Theodore Roosevelt (fixed) Bridge - DDOT is conducting an investigation and assessment of the bridge. 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. (HP)
- **Virginia (Northern)** – None

**SECTOR HAMPTON ROADS**
- **Virginia (Southern)** – None

**SECTOR NORTH CAROLINA**
- **Mid-Currituck Sound (fixed) Bridge** – Proposed new fixed structure. (MB)
- **Alligator River – US 64 (fixed) Bridge** Proposed new fixed bridge structure to replace (swing) bridge in final review of the design and environmental package.
- **Cape Fear River – Wilmington bypass south (fixed) Bridge** Proposed new fixed bridge structure in review of the design and environmental package. (MT)
SUMMARY OF DREDGING/MARINE CONSTRUCTION PROJECTS
CURRENTLY IN PROGRESS

***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 24 hours a day, 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.

NJ – MANASQUAN INLET TO BARNEGAT INLET – BEACHFILL OPERATIONS
Continuing until approximately 30 Jun 2019 the Dredges R.N.WEEKS, B.E.LINDHOLM and MAGDALEN will be operating 3 miles offshore of Tom’s River South and Seaside Heights Beach, Ocean County, NJ. The dredged material will be transported through a combination of floating and submerged pipeline to the beach fill placement areas. For questions and or additional information contact macruz@weeksmarine.com or contact Project Manager(s) on-site: Matt Henry (983) 237-5050, mh@weeksmarine.com, Site Manager, Ted Tarvin - (856) 217-4509, tt@weeksmarine.com. Ref LNM 34/17
Chart 12324

NJ – LITTLE EGG HARBOR – HORIZONTAL DRILLING
New Jersey Natural Gas Company (NJNG) and CDM Smith Inc. will be installing an underground utility distribution main beneath Little Egg Harbor via horizontal directional drilling (HDD). Construction activities will continue until the summer 2019. The work includes the installation of a 12-inch steel utility distribution main below the Little Egg Harbor via HDD “intersect drill method”. The HDD will be supported by a temporary cofferdam and jack-up barge surrounded by a turbidity curtain situated in the middle of Little Egg Harbor. Floating pipe will extend from the cofferdam on the western side toward Dock Road in Eagleswood Township, Ocean County, NJ. Work vessels may be contacted on channel 16 VHF-FM. For more information or questions, contact Scott Murray at 973-579-4100. LNM 47/18
Chart 12324

PA – NJ – DELAWARE RIVER – MARCUS HOOK RANGE – NEW RANGE CONSTRUCTION
Atlantic Subsea Inc. will be constructing new Marcus Hook Range Structures. Work will be outside the channel on the Marcus Hook Range line. Once the new structures are complete, the old Front Range will be demolished. The crane barge TIOGA will be on scene and work will take place 7 days a week during daylight hours. The TIOGA may be contacted on VHF-FM channel 16 and 13 or 609-820-8056. For question or more information, contact Ajay A. Talwar at 856-241-3544 ext 14. LNM 42/18
Chart 12312

PA – NJ – MIFFLIN RANGE – FORT MIFFLIN TERMINAL DOCK – MARINE CONSTRUCTION
Commerce Construction Corporation will be performing marine construction for Energy Transfer Partners at their Fort Mifflin Terminal Dock, located along the Del River in Tinicum Township, PA. All Work will occur outside of the channel in the immediate vicinity of the Energy Transfer Partners Marine Terminal docks. Crews will be on the water from 6:00 AM to 6:00 PM Monday thru Sunday, thru Dec 2020. Multiple barge mounted cranes, support barges and small craft will be near the dock supporting construction activities. Mariners are cautioned to stay clear of the crane barges, operating wires, anchors, buoys, small boats, tenders, and divers. Operators of vessels of all types should be aware that men will be working on floating equipment and within the water around the crane barge and docks. A NO WAKE transit is requested of all vessels passing near the work area. LNM 40/18
Chart 12312

PA - NJ – DELAWARE RIVER – PORT OF PAULSBORO – MARINE CONSTRUCTION
The Paulsboro Marine Terminal will be conducting construction activities along the existing marine wharf. The multi-phase project will involve creation of a new berth on the downriver side of the existing pier. The project will continue through Oct 2021. During construction, there will be multiple tugs, work vessels, material and crane barges in the vicinity of the pier and Mantua Creek. Mariners are urged to use caution when transiting near the area, stay clear of all equipment, and maintain a minimal wake. For questions or concerns contact United States Coast Guard Sector Delaware Bay Waterways. Chart 12312

PA – NJ- DELAWARE RIVER – PACKER AVE TERMINALS – DREDGING
Dredge 54 will perform maintenance dredging at various berths at the Packer Ave facility starting on 13 September 2018. Hopper barges will be loaded and towed from the facility to Ft. Mifflin where an unloader barge will be stationed. The barges will be spudded down, outside of the channel, down river of Schuykill River Entrance Buoy 1 (LLNR 3410) at the mouth of the Schuykill River. Chart 12313

***MD – CHESAPEAKE BAY – WEST RIVER – MARINE CONSTRUCTION***
Central Marine will be starting the Jack Creek Park Shoreline Stabilization Project June 15, 2019 in approximate position 38° 8'404 N, 76° 48'92 W near the entrance to the West River MD. The project is expected to continue until 30 Dec 2019. Work will be conducted 7 days a week during daylight hours. For additional information or questions, contact Charlie Young at Central Marine Construction at 410-320-7030. Chart 12270

MD – CHESAPEAKE BAY – POPLAR ISLAND – ONGOING MARINE CONSTRUCTION
Marine construction of the new dredge containment Cell Number 11 on Poplar Island is ongoing. Crews will be building sand and stone berms to expand the island and create a new containment cell for future dredge material. Mariners should avoid the area and if necessary contact the work vessels on VHF-FM channels 13 and 16. Ref LNM 1919
Chart 12266
MD - CHESAPEAKE BAY - COVE POINT TO SANDY POINT - BRIDGE REHABILITATION CONTINUES AT THE WILLIAM P. LANE JR

An engineering firm, on behalf of Maryland Transportation Authority, will be performing maintenance at US 50/US 301 (William P. Lane Jr. Memorial) (eastern channel) westbound bridge, over Chesapeake Bay, mile 138.1, near Stevensville, MD. The maintenance will continue through June 20, 2019, 24 hours a day; 7 days a week. A work platform will be attached to the underside of bridge which will reduce the vertical clearance of the bridge spans by approximately 2 feet. To facilitate the work, a 265 ft wide by 48 ft wide barge is anchored along the north bridge (westbound) at span 46, between bridge piers 45 and 46, outside the eastern channel in approach posit lat 38-59-17.16 n, lon 076-21-20.88 w. The anchored barge has a 4-point mooring system held in place with large fenders at the corners of the barge leading to a lighted buoy attached to and marking each anchor. The barge and buoys are marked and lighted IAW USCG regulations. A hanging staircase ladder is installed at this location to provide bridge workers access from the barge. Work vessels may be reached on VH-FM channel 13. The project foreman can be reached at (910) 228-9164. Ref LNM 39/17 Chart 12270

MD - DC – UPPER POTOMAC RIVER - ANACOSTIA RIVER – MARINE CONSTRUCTION OPERATIONS

Construction of the new Frederick Douglass Memorial (South Capitol Street) Bridge across the Anacostia River in Washington, DC continues into 2021. The work is being conducted Mon through Sat, between 7 am and 7 pm., and currently consists of building two structures:

1. The Temporary West Trestle, which extends from the western shoreline eastward to the center of the federal navigation channel and includes new Bridge Pier 1. A work barge will be stationed in the western side of the federal navigation channel during trestle construction. Starting in Nov, the existing center fender pier, south of the existing bridge will be partially demolished. To support active demolition of the center fender, a 28-foot vessel will be positioned in the navigable channel. Mariners transiting this area are urged to contact the vessel MS. BECKY for passing arrangements. The western half of the federal navigation channel, approximately 150 feet, is currently restricted to navigation. This area is marked with two orange and white marker buoys labeled “Danger” that are placed approximately 85 yards (250 feet) upstream of the bridge.

2. The temporary East Trestle, which extends from the eastern shoreline westward to the eastern limit of the federal navigation channel and includes new Bridge Pier 2. This area is marked with two orange and white information and regulatory marker buoys labeled “Danger” with the standard ‘Exclusion’ diamond symbol that are placed approximately 85 yards (250 feet) upstream of the bridge. The federal navigation channel east of the center fender pier (eastern half), approximately 150 feet wide, remains available for navigation. Marine equipment on site includes a crew boat, a push boat, and multiple deck barges. Mariners are urged to use extreme caution when transiting the area, and to operate at minimum speed necessary to maintain safe course that minimizes wake. Interested mariners can contact the MS. BECKY or CLAIRE MARIE via VH-FM channels 16 and 13. Chart 12289

MD - VA - DC - POTOMAC RIVER – COBB ISLAND - ENTRANCE TO THE WICOMICO RIVER – BRIDGE CONSTRUCTION

A construction firm, on behalf of the Maryland DOT, State Highway Administration, is constructing a new bridge to replace Bridge No. 0803800 (MD-254) Bridge across the Neale Sound, at mile 0.6, Cobb Island, Charles County, MD. Construction activities are expected to continue until Aug 2020. Work hours are from 6 a.m. to 6 p.m., Monday through Friday. 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. Marine equipment engaged in bridge construction will include the tug RISING SUN; crane HAMPOTHON ROAD on a 46-foot by 108-foot barge; pedestal crane PATAPSCO on a 40-foot by 100-foot barge; WS4 a 40-foot by 98-foot crane barge; SC149 a 52-foot by 115-foot deck barge, SC77 a 34-foot by 240-foot car float barge and work boats, jack boats and crew barge. Marine equipment will moor via spuds in Neale Sound during bridge construction and for heavy weather. Mariners may contact vessels and construction personnel via VH-FM channel 13 and 16. The project superintendent may be contacted at (443) 980-7633 and the project area construction manager may be contacted at (410) 215-3579. LNM 50/18
Chart 12225

MD - BALTIMORE HARBOR – MARINE CONSTRUCTION

Conduit construction installation operations on behalf of CSX Transportation, at the Bear Creek Rail Road Bridge, Bear Creek, Baltimore County Maryland, will commence on or about 15 Jun, 2019 in the vicinity of 39° 14.88’ N, 076° 29.477’ W. The Construction Barge R-5 (175’ x 43’), will be performing the activities with the assistance of a Tender Tug ARTIE. Vessels will be moored on spuds while working, on standby, and moored. The vessels will monitor VH-FM channels 13 and 7 during operations. Construction activities will continue on a daily basis until the estimated completion date of 31 Jul. For questions or more information, contact Jim Matters at (410) 320-7534, JMatters@CormanMarine.com
Chart 12281

MD - BALTIMORE HARBOR – PATAPSCO RIVER – CURTIS BAY TERMINAL - DREDGING

Dredging operations on behalf of CSX Transportation, at the Patapasco River Curtis Bay Terminal, will commence on or about 15 Jun 2019 in the vicinity of 39° 13.325’ N, 076° 34.577’ W. Loaded scows will be towed from this location to the MES Masonville Dredge Material Containment Facility at 39° 15.243’N, 076° 35.388’W for offloading during a daily basis. The Dredge CKC 2400 (125’ x 50’), scows 403 & 404 (260’ x 52’), Unloader #2 (160’ x 52’), will be dredging the area with the assistance of a Tender Tug ARTIE. Vessels will be moored on spuds while working, on standby, and moored. The vessels will monitor VH-FM channels 13 and 7 during operations. Dredging operations will continue on a daily basis until the estimated completion date of 31 Jul. For questions or more information, contact Jim Matters at (410) 320-7534, JMatters@CormanMarine.com
Chart 12281

DC - UPPER POTOMAC RIVER - GEORGETOWN CHANNEL – BRIDGE REHABILITATION PROJECT

Major rehabilitation of the Arlington Memorial Bridge over the Potomac River in Washington, DC will continue until Nov 2020. Initial work consists of the placement of a pier barge with a steel ramp connecting the barge to the shore on the western shoreline south of the bridge and outside of the federal navigation channel. A barge mooring area will exist near the eastern shore of the river south side of the bridge that includes multiple mooring piles. Work will generally be conducted Mon through Sat, between 7 am and 7 pm., though nighttime work is possible. Marine equipment on site includes a crew boat, a push boat, and up to 10 barges at various locations along the length of the bridge with work focused on the center span. On or about June 16, 2018, the project will require the temporary relocation of the federal navigation channel, which currently is located under the center span of the bridge (Arch 5). The temporary channel will be located under the adjacent span to the east (Arch 4), and will be established until the fall of 2020. Navigation channel lighting at the bridge will be in accordance with Coast Guard requirements. Once the temporary channel is established, work will begin to assemble a large work platform, which will completely obstruct the federal navigation channel. Upstream of this large work platform, a protection system will be deployed, which will be comprised of a floating pipe boom on the water surface attached to concrete anchors. All elements will be marked and lighted in accordance with USCG requirements. Mariners should use caution when transiting the area, and operate at the minimum speed necessary to maintain safe course. Mariners can contact the vessels “Blair B Casey II” and “Charlotte C” via VH-FM channels 16 and 13 when actively working on the river, or the bridge construction contractor, Kiewit, at 402-708-9345 or 813-323-4611. For any questions or concerns, contact CG Sector MD-NJ Waterways Management Division, at telephone (410) 576-2674 or (410) 576-2693.
Chart 12289
VA – CHESAPEAKE BAY ENTRANCE – CHESAPEAKE BAY BRIDGE TUNNEL – MARINE OPERATIONS
Chesapeake Tunnel Joint Venture will commence Tug, Crane and Barge operations along with the Tug Robert T (or other similar vessel) around the existing Chesapeake Bay Bridge Tunnel protection berms for Island 1 and Island 2 on or about February 12, 2019. Work is expected to last 2020. This work will not impede the navigational channel. Operators of vessels of all types should be aware that at different times, the crane barge and material barges may be held in place by way of spuds and at other times, it may be held in place by a single, or up to a six point anchoring system. Buoys are attached to the anchors so that the anchors may be moved as the crane barge advances along the project. All Mariners are cautioned to strictly comply with the Rules of the Road when in the vicinity of the job site and approaching or leaving the area of operations, and remain a safe distance away from any and all buoys, cables, barges, workboats, and tugs working at the job site. The anchor buoys will be illuminated at night by flashing white lights and the barges will be illuminated by steady white lights on all corners. The Tug Robert T (or other similar vessel) will be on VHF-FM channels 13 and 16.
Charts 12222

VA – CHESAPEAKE BAY - CAPE HENRY TO THIMBLE SHOAL LIGHT - BRIDGE CONSTRUCTION
Construction continues on a new bridge to replace the John A. Lesner (US 60) Bridge across the Lynnhaven Inlet in Virginia Beach, VA until Aug 30, 2019. At times, small portions of the channel will be blocked to prevent anyone from passing underneath the portion of the bridge being worked on. Work will be on-going 24 hours per day, seven days a week. Temporary work platforms and other hazards, such as portions of the old bridge, will be lighted with fixed white lights until they are removed from the waterway. The new bridge will have a vertical clearance of 45 ft above MHW and a horizontal clearance of 150 ft between the fenders. Ref LNM 14/17
Chart: 12254

VA – LYNNHAVEN INLET – BROAD AND NARROWS CHANNELS – DREDGING
Cottrell Contracting Corporation of Chesapeake Virginia dredge LEXINGTON will be conducting 24/7 dredging operations within the Lynnhaven Inlet Federal Navigation Channel from 3 Jun until 1 Sep 2019 in multiple locations within the inlet and adjoining waterways. First phase of dredging operations are scheduled to begin in the Turning Basin on or around 3 Jun and continue through 15 Jul. The operation will also include sections along Long Creek during the latter part of this phase. Phase two of dredging will be in the vicinity of the Lynnhaven Inlet seaward of the Lesner Bridge. The dredge and associated equipment is expected to remain in the channel until completion on or around 5 Aug 2019. The final stage of the dredging project will involve working the Narrows in the vicinity of Linkhorn Bay. This work will continue until the project’s anticipated completion date of 1 Sep. Mariners are requested to use extreme caution when transiting in the vicinity of the dredge, buoys, pipelines, barges wires, cables, pipelines, barges, docks, wires and anchored equipment. The dredge LEXINGTON monitors VHF channels 13 and 16. All vessels are requested to contact the dredge prior to passing and maintain a safe speed and distance while transiting this area due to numerous areas of shoaling throughout the narrow waterway.
Chart 12205, 12254

VA – NORFOLK HARBOR – ELIZABETH RIVER - US NAVY DEGAUSSING RANGE
Precon Marine will be working on the US Navy Degaussing Range which is located at the entrance of the Elizabeth River. Work will include diving operations, crane operations, and cable laying operations. The work will commence on April 29, 2019, and will end on October 31, 2019. We are scheduled to work 7 days a week, and the work hours will be during the daylight hours. The caution area will be from buoys 1ER (LLNR 9445) to Buoy 3 (LLNR 9465). The actual work station will be at 36 degrees 58.916 N, 76 degrees 19.290 W. Tug Boat on site will be DOTTI J, scheduled to work 7 days a week, and the work hours will be during the daylight hours. Temporary work platforms and other hazards, such as portions of the old bridge, will be lighted with fixed white lights until they are removed from the waterway. The new bridge will have a vertical clearance of 45 ft above MHW and a horizontal clearance of 150 ft between the fenders. Ref LNM 14/17
Chart: 12245

VA – ELIZABETH RIVER - WESTERN BRANCH - I-164 – BRIDGE
Ryan Construction Company has extended the completion date for its fender replacement project on the 1-164/west Norfolk Bridge until June 30, 2019. Mariners are advised the horizontal clearance of the navigable channel will be reduced to approximately 50 feet during construction. The tug CATHERINE and at least two construction barges will be on site and may be contacted on VHF-FM channel 13. For questions or additional information contact the onsite Forman at 757-328-6537 or the Project Manager at 757-879-0854. Mariners should use extreme caution when transiting the area.
Chart 12248

VA – CHESAPEAKE BAY - ELIZABETH RIVER
Crofton Construction Services Inc. will begin a 2-year construction project at Norfolk Naval Shipyard in the vicinity of berths 18 & 19 beginning Monday Dec 3, 2018 until Feb, 2020. Work will consist of pier replacement and repair of existing structures requiring multiple surface assets to including a crane barge, material barges, tugs and assist vessels. All equipment will be provided with navigational devices indicating to any potential traffic to stay clear of the barges. Equipment will be spudded down on-site with nighttime navigational lights present. Mariners are advised to maintain a minimal wake zone while transiting within 500 feet of the work site. On-scene vessels can be contacted via VHF-FM channels 13 and 16.
Chart 12253

VA – CHESAPEAKE BAY – BACK RIVER – DREDGING
McLean Contracting Company will be conducting dredging in the Back River, Hampton, VA from 25 Feb to 26 Aug 2019. The vessel SOUTHERN STAR and at least two barge will be in the area. The SOUTHERN STAR may be contacted on VHF-FM channels 16, 13 and 03, 757-272-4918. Contact Scott White at 757-641-2132 for questions or more information. LNM 08/19
Chart: 12222

NC – NAGS HEAD BEACH - BEACH RE-NOURISHMENT
Great Lakes Dredge & Dock Company, LLC (GLDD) will commence dredging activities for the Town of Nags Head, NC on or about 28 Apr, 2019. Dredging will consist of digging from pre-designated borrow areas entitled “Borrow Area 3A” and “Borrow Area 4”. GLDD will be placing the material on Nags Head Beach using various submerged pipelines to pump the material from the dredge on to the beach. The installed submerged pipelines will have flexible floating pipeline attached to a yellow cube at the water’s surface. Dredged material will be transported to the pump out stations by hopper dredges. All pipelines will be marked with flashing yellow lights and orange buoys. For questions concerning this project, please contact Site Manager Bryan Dast at 630-699-9995 or BPDast@gldd.com, LNM 13/19
Chart 12205

NC – OREGON INLET – BONNER BRIDGE - ARTIFICIAL REEF DEPLOYMENTS
North Carolina Division of Marine Fisheries will be conducting bridge material deployments at several artificial reefs located offshore of Oregon Inlet. Material will be deployed from a barge and tugboat, which will have limited maneuverability while unloading. Deployments will take 2-3 hours each, and will occur over the next 12 months. For more information, contact Jordan Byrum with the Division’s Artificial Reef Program at 252-808-8036 or at jordan.byrum@ncdnenr.gov.

Chart 12222
The following artificial reefs will be used.
AR-130 (36° 00.296'N, 75° 31.957'W)
AR-140 (35° 54.017'N, 75° 23.833'W)
AR-160 (35° 43.888'N, 75° 26.771'W)
Chart 12204

**NC - OREGON INLET CHANNEL - HERBERT C. BONNER BRIDGE - CONSTRUCTION & REPLACEMENT**
Construction is ongoing until Aug 30, 2019. 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. NCDOT Resident Engineer (252) 473-3637 and PCL Civil Constructors (252) 423-3093. Project information may be found at [http://www.ncdot.gov/projects/bonnerbridgereplace/](http://www.ncdot.gov/projects/bonnerbridgereplace/).
Chart 12205

**NC – EMERALD ISLE AND INDIAN BEACH – POST FLORENCE BEACH RENOURISHMENT PROJECT**
From 14 Feb to 30 Apr 2019 Great Lakes Dredge & Dock will use the area between Radio Island and Goat Island outside of the Morehead City Channel as a staging area for pipeline and waterside equipment for the duration of this project. Inside the coordinates of this waterside staging area, there could be pipeline on the bottom that could cause hazards to navigation; all vessels should avoid the area defined by the coordinates listed below. This contract will involve dredges, tugs, barges, derricks, and crew boats to complete beach fill operations. Three pipeline setups will be placed on the bottom; one in Emerald Isle and two in Indian Beach with each pipeline composed of approximately 3,200ft of subline. The dredges LIBERTY ISLAND, DOUG MACKIE and ELLIS ISLAND will be on scene. All material will be dredged and pumped from the ODMDS site just south of the Beaufort Inlet Channel.
Waterside staging area for floating and submerged pipelines and equipment:
Northwest Limit: Lat. 34° 42' 30.956" N Lon. 076° 41' 30.489" W
Southwest Limit1: Lat. 34° 42' 29.125" N Lon. 076° 41' 32.640" W
Southwest Limit2: Lat. 34° 42' 22.299" N Lon. 076° 41' 27.959" W
Southeast Limit: Lat. 34° 42' 12.961" N Lon. 076° 41' 13.902" W
Northeast Limit: Lat. 34° 42' 16.903" N Lon. 076° 41' 09.616" W
Sublines to be placed in close proximity to the following:
Subline 1 – Emerald Isle:
Landward End Lat. 34° 40' 37.425" N Lon. 076° 56' 40.754" W
Seaward End Lat. 34° 40' 26.619" N Lon. 076° 54' 21.111" W
Subline 2 – Indian Beach:
Landward End Lat. 34° 40' 57.749" N Lon. 076° 54' 28.056" W
Seaward End Lat. 34° 40' 26.619" N Lon. 076° 54' 21.111" W

**NC – PAMLICO SOUND – OUTER BANKS – US 12 - BRIDGE CONSTRUCTION**
Construction will take place on the new US-12 Bypass Bridge (also known as Jug Handle) from Jan 2019 through May 2021 on the Outer Banks of NC. This bridge extends approximately 2.5 from the southern end of the Pea Island National Wildlife Refuge over the Pamlico Sound into Rodanthe. The air draft along the new bridge during construction will be restricted to 14 feet. [https://www.ncdot.gov/projects/nc-12-rodanthe/Pages/default.aspx](https://www.ncdot.gov/projects/nc-12-rodanthe/Pages/default.aspx)
Chart 12204

**NC – CAROLINA BEACH INLET – DREDGING**
Dredging is complete. Demobilization will occur until approximately 15 June 2019.
Chart 11534

**NC – CAPE FEAR RIVER – PORT OF WILMINGTON – CONSTRUCTION**
Construction crews will be working on the waterfront at the State Port in Wilmington, NC from April through December 2019. Workers and equipment may be present on or near the water from 7 AM to 5:30 PM daily at Berth 7 near approximate position 34°11'43"N 77°57'20"W. Mariners are requested to transit at no wake speeds in this area during work hours.
Chart 11537
SUMMARY OF MARINE EVENTS AND FIREWORKS DISPLAYS IN THE FIFTH COAST GUARD DISTRICT

***NJ – MANASQUAN INLET TO ATLANTIC OCEAN – POINT PLEASANT BEACH – POINT PLEASANT OFFSHORE GRAND PRIX-REGULATED AREA***
The Point Pleasant Offshore Grand Prix powerboat races will occur on the waters of the Atlantic Ocean near Point Pleasant Beach, NJ on June 15 & 16, 2019 from 10 a.m. to 5 p.m. A special local regulation for the boat races will be enforced for the duration of the event restricting access to the area. As described in 33 CFR 100.501, Regulated enforcement area:
Race area: All waters of the North Atlantic Ocean within the following points:
40°05'40" N 074°01'59" W
40°05'34" N 074°01'40" W
40°03'54" N 074°02'07" W
40°03'56" N 074°02'24" W
Buffer area: All waters of the North Atlantic Ocean within the following points:
40°05'55"N 074°02'02"W
40°05'44"N 074°01'28"W
40°03'42" N 074°02'01"W
40°03'44"N 074°02'36"W
Spectator area: All waters of the North Atlantic Ocean within the following points:
40°05'44"N 074°01'27"W
40°05'42" N 074°01'20"W
40°03'42"N 074°01'55"W
40°03'42"N 074°02'01"W
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. For any comments or questions contact Coast Guard Sector Delaware Bay, Waterways Management Division, at (215) 271-4814.
Chart 12342

NJ – LITTLE EGG HARBOR – BEACH HAVEN – FANTASY ISLAND FIREWORKS SERIES SAFETY ZONE
An aerial fireworks display is scheduled to occur on the Little Egg Harbor adjacent to Beach Haven, NJ beginning at 8:30 P.M. on the following dates in 2019:
June 1 August 10
June 7 September 1
July 20 October 5
July 27 October 12
A safety zone will be in effect for the duration of the displays to include all navigable waters with a 100 yard radius of the fireworks barge located at approximate position latitude 39°34'09.32"N, longitude 74°14'31.62"W. Vessels may not enter, remain in, or transit through the safety zone during the enforcement period unless authorized by the Captain of the Port or designated Coast Guard patrol personnel on scene. Mariners may contact official patrol personnel on scene via marine band radio VHF-FM channel 16. For any comments or questions contact Coast Guard Sector Delaware Bay, Waterways Management Division, at (215) 271-4814.
Chart 12316

***NJ – LITTLE EGG HARBOR/BARNEGAT BAY – JORA RACING SERIES****
The Jersey Outlaws Racing Association racing season will occur in the on the waters of Little Egg Harbor and Barnegat Bay on the dates listed below. All racing will begin at noon and end at 4:00 PM. Race courses will be oval-shaped approximately ¼ mile long. Sponsor-provided safety and dive boats will be on-scene monitoring VHF Channel 11. Mariners are urged to use caution when transiting near the area, reduce speed to minimize wake, and heed direction of official event patrol.

JULY 7, Tuckerton – End of Green Street
JULY 21 Parkertown – End of Fern Street
JULY 28 Tuckerton – End of Green Street
AUGUST 4 Parkertown – End of Fern Street
AUGUST 18 Tuckerton – End of Green Street
AUGUST 25 Parkertown – End of Fern Street
SEPTEMBER 1 Tuckerton – End of Green Street
SEPTEMBER 8 Parkertown – End of Fern Street
SEPTEMBER 15 (Rain Date) Tuckerton – End of Green Street
For any comments or questions contact Coast Guard Sector Delaware Bay, Waterways Management Division, at (215) 271-4814.
Chart 12324, 12316

NJ – ATLANTIC OCEAN & ICW – ABSECON ISLAND – PADDLE EVENT
The Annual Dean Randazzo Cancer Foundations Paddle for Cause is scheduled to occur on the Atlantic Ocean and ICWs surrounding Absecon Island in Atlantic County, NJ on June 8, 2019 from 7:00 a.m. to 7:00 p.m. Approximately 150 participants in a variety of paddle-craft will start on a course beginning from the Farley State Marina in Atlantic City, continue southeast in the ICW, through the Great Egg Harbor Inlet into the Atlantic Ocean, follow
the shoreline northwest to the Absecon Inlet, then finish back at the Farley State Marina. Mariners are urged to used caution when transiting the area, reduce speed and wake in vicinity of event participants. Event support patrol can be contacted on marine band radio VHF-FM channel 16. For any comments or questions contact Coast Guard Sector Delaware Bay, Waterways Management Division, at (215) 271-4814.

Chart 12316

**NJ -- ATLANTIC OCEAN -- ATLANTIC CITY -- DRONE EXPO AND RACING****

The Drone Expo International Drone Racing League Qualifying Round will occur on the beach and over the waters of the Atlantic Ocean in Atlantic City, NJ between Absecon Inlet and Garden Pier on June 15 & 16, 2019 from 10:00 a.m. to 6:00 p.m. The event will involve drone racing through obstacles beachside and in the water within approximately 200 yards of the shoreline. Mariners are urged to use caution when transiting near the area. For any comments or questions contact Coast Guard Sector Delaware Bay, Waterways Management Division, at (215) 271-4814.

Chart 12316

**NJ -- ATLANTIC OCEAN -- ATLANTIC CITY -- WEEKLY FIREWORKS DISPLAY****

The Tropicana Hotel and Casino Resorts fireworks display series is scheduled for each Saturday at 10:00 PM from May 25, 2019 to Sep 7, 2019. The display barge will be located on the waters of the Atlantic Ocean adjacent to the boardwalk in Atlantic City, NJ. Mariners are urged to use caution when transiting the area, and absent specific guidance, should remain 100 yards from the fireworks discharge barge. For any comments or questions contact Coast Guard Sector Delaware Bay, Waterways Management Division, at (215) 271-4814.

Chart 12316

****NJ -- CAPE MAY -- CAPE MAY CANAL -- DIVING AND DEBRIS RECOVERY****

The Coast Guard has established a safety zone in the Cape May Canal from June 3, 2019 through June 13, 2019. This safety zone includes all waters within 100 yards of dive vessels and working and debris recovery operations near the Cape May Canal Railroad Bridge. Diving and debris removal operations are expected to take place from 6 am through 4 pm daily. All vessels seeking permission to transit the safety zone must contact the USCG, or working vessels on scene, via VHF-FM Channel 16. Vessels with a beam greater than 15 feet must contact the working vessels at least 30 minutes prior to arrival via VHF-FM channel 13 or 16 in order to arrange safe passage. For any comments or questions contact Coast Guard Sector Delaware Bay, Waterways Management Division, at (215) 271-4814.

The complete regulatory text may be found by searching for docket number USCG-2019-0435 at www.regulations.gov.

Chart 12316

****PA -- NJ - DE -- SECTOR DELAWARE BAY -- FIREWORKS DISPLAYS****

Schedule of upcoming aerial fireworks displays within Sector Delaware Bay Captain of Port Zone. Mariners are urged to use caution when transiting the areas and reminded to heed directions of patrolling law enforcement and public safety officials. Vessels may not enter, remain in, or transit through the safety zones during the enforcement period unless authorized by the Captain of the Port or designated Coast Guard patrol personnel on scene. Mariners may contact official patrol personnel on scene via marine band radio VHF-FM channel 16. For any comments or questions contact Coast Guard Sector Delaware Bay, Waterways Management Division, at (215) 271-4814.

<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>Lat/Long</th>
<th>Time</th>
<th>Safety Zone</th>
<th>Discharge Site</th>
<th>Chart#</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 6</td>
<td>Atlantic Ocean; Ocean City, NJ; Wonderland Pier</td>
<td>39°16’39.38&quot; N 74°33’52.76” W</td>
<td>9:00PM-9:45PM</td>
<td>*</td>
<td>Land</td>
<td>12316</td>
</tr>
<tr>
<td>June 8</td>
<td>Delaware River; New Castle, DE; Battery Park</td>
<td>39°39’25.62&quot; N 75°33’52.67” W</td>
<td>9:00PM-10:00PM</td>
<td>*</td>
<td>Land</td>
<td>12311</td>
</tr>
<tr>
<td>June 27-29</td>
<td>Atlantic Ocean; Atlantic City, NJ; Hard Rock Hotel</td>
<td>39°21’13.88” N 74°24’58.47” W</td>
<td>9:45PM-10:30PM</td>
<td>*</td>
<td>Barge</td>
<td>12316</td>
</tr>
<tr>
<td>June 29</td>
<td>Delaware River; Essington, PA; Governor Printz Park</td>
<td>39°51’29.28” N 75°18’25.52” W</td>
<td>9:00PM-9:30PM</td>
<td>*</td>
<td>Barge</td>
<td>12312</td>
</tr>
<tr>
<td>June 29</td>
<td>Delaware River; Philadelphia, PA; Penn’s Landing</td>
<td>39°56’49.66” N 75°08’11.69” W</td>
<td>9:30PM-9:45PM</td>
<td>500yds</td>
<td>Barge</td>
<td>12312</td>
</tr>
<tr>
<td>July 1</td>
<td>Delaware River; Philadelphia, PA; Penn’s Landing</td>
<td>39°56’49.66” N 75°08’11.69” W</td>
<td>9:15PM-9:50PM</td>
<td>500yds</td>
<td>Barge</td>
<td>12312</td>
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<tr>
<td>July 3</td>
<td>Barnegat Bay; Barnegat Township, Waretown, NJ</td>
<td>39°44’47.72” N 74°11’25.44” W</td>
<td>9:00PM-10:00PM</td>
<td>500yds</td>
<td>Barge</td>
<td>12324</td>
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<tr>
<td>July 3</td>
<td>Delaware Bay; Lower Township, North Cape May, NJ</td>
<td>38°58’25.84” N 74°57’58.22” W</td>
<td>9:15PM-10:15PM</td>
<td>360yds</td>
<td>Barge</td>
<td>12304</td>
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<tr>
<td>July 4</td>
<td>Atlantic Ocean; Ocean City, NJ; Music Pier</td>
<td>39°16’22.39” N 74°34’00.83” W</td>
<td>9:30-10:30PM</td>
<td>500yds</td>
<td>Barge</td>
<td>12316</td>
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<tr>
<td>July 4</td>
<td>Atlantic Ocean; Cape May, NJ; Congress Hall</td>
<td>38°55’34.82” N 74°56’23.23” W</td>
<td>9:15PM-10:15PM</td>
<td>*</td>
<td>Barge</td>
<td>12316</td>
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<tr>
<td>July 4</td>
<td>Atlantic Ocean; Avalon, NJ</td>
<td>39°06’17.90” N 74°42’03.65” W</td>
<td>8:45PM-9:30PM</td>
<td>500yds</td>
<td>Barge</td>
<td>12316</td>
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<tr>
<td>July 4</td>
<td>Atlantic Ocean; Sea Isle City, NJ</td>
<td>39°08’49.50” N 74°41’25.10” W</td>
<td>9:15PM-10:15PM</td>
<td>*</td>
<td>Barge</td>
<td>12316</td>
</tr>
<tr>
<td>July 4</td>
<td>Atlantic City, NJ; Hard Rock Hotel</td>
<td>39°21’13.88” N 74°24’58.47” W</td>
<td>10:00PM-10:30PM</td>
<td>*</td>
<td>Barge</td>
<td>12316</td>
</tr>
<tr>
<td>July 4</td>
<td>Atlantic Ocean; Stone Harbor, NJ</td>
<td>39°02’57” N 74°45’01” W</td>
<td>9:00PM-10:30PM</td>
<td>*</td>
<td>Barge</td>
<td>12316</td>
</tr>
<tr>
<td>July 4</td>
<td>Delaware River; Camden, NJ</td>
<td>39°56’37.05” N 75°08’08.97” W</td>
<td>9:00PM-10:30PM</td>
<td>500yds</td>
<td>Barge</td>
<td>12312</td>
</tr>
<tr>
<td>July 4</td>
<td>Metedeconk River; Brick, NJ</td>
<td>40°03’21” N 74°06’43” W</td>
<td>10:00PM-11:00PM</td>
<td>*</td>
<td>Land</td>
<td>12324</td>
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<tr>
<td>July 4</td>
<td>Delaware Bay; Lewes, DE</td>
<td>38°47’13” N</td>
<td>9:00PM-3:30PM</td>
<td>350yds</td>
<td>Barge</td>
<td>12216</td>
</tr>
</tbody>
</table>

2
**DE – DELAWARE RIVER – NEW CASTLE – FIREWORKS DISPLAY**

A land-based aerial fireworks display is scheduled to occur near the Delaware River at New Castle Battery Park in New Castle, DE on June 8, 2019 between 9:00 p.m. and 10:00 p.m. Mariners are urged to use caution when transiting the area, and absent specific guidance, should remain 250 feet from the fireworks discharge site. For any comments or questions contact Coast Guard Sector Delaware Bay, Waterways Management Division, at (215) 271-4814.

Chart 12311

****PA - NJ – DELAWARE RIVER – PETTY’S ISLAND – CAMDEN – PADDLE FOR PROMISE****

The Paddle for Promise 2019 will occur on the Delaware River in the vicinity of Camden, NJ on June 22, 2019 from 7:00 a.m. to 2:00 p.m. The event will involve approximately 100 participants in various sized canoes and kayaks. Paddle trip will circumnavigate Petty’s Island beginning and ending at Pyne Point Park. Paddlers will be supported with sponsor provided chase boats equipped with marine radios and monitoring vessel traffic. Mariners are urged to use caution when transiting near the area. For any comments or questions contact Coast Guard Sector Delaware Bay, Waterways Management Division, at (215) 271-4814.

Chart 12312

**MD – SEACOAST – FENWICK ISLAND TO CHINCOTEAGUE ISLAND – OCEAN CITY – REGULATED AREA**

The 2019 Ocean City Air Show is scheduled to occur near the North Atlantic Ocean during June 15-16, 2019, from 12 Noon to 4 p.m. 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/rehearsals during June 13-14, 2019, starting 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: Commencing at a point near the shoreline in vicinity of 33rd Street, Ocean City, MD, latitude 38°21′48.8″ N., longitude 75°04′10″ W., thence eastward to latitude 38°19′35.5″ N., longitude 75°05′05.4″ W., thence north along the shoreline to point of origin, located adjacent to Ocean City, MD. This regulated area will be enforced from 10 a.m. to 5 p.m., each day, during June 13-16, 2019. 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 marine event 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. 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 – SURFING EVENT****

A surfing competition is scheduled to occur along the North Atlantic Ocean at Ocean City, MD, during June 21-23, 2019, between 5:30 p.m. and 8:30 p.m. each day. The evening surfing event consists of athletes competing in waters located along the beach, between the Ocean City fishing pier (approximate position latitude 38°19′37″ N, longitude 75°05′45″ W) and the Ocean City Inlet north jetty (approximate position latitude 38°19′27″ N, longitude 75°05′05″ W). The event area is approximately 80 yards in width and 380 yards in length. Absent specific guidance, persons and vessels should remain seaward of the Jellyfish Festival Surf Event area. For any comments or questions contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693.

Chart 12211

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

Short-duration, aerial fireworks displays are scheduled to occur along Assawoman Bay weekly between June 16, 2019 and August 26, 2019, at 9:30 p.m. On Sundays during this period, fireworks will be launched from the pier at the west end of Northside Park in Ocean City, MD, in approximate position latitude 38°25′55.15″ N, longitude 75°03′50.51″ W. Mariners are urged to use caution when transiting the area, and absent specific guidance, should remain 400 feet from the fireworks discharge site. For any comments or questions contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division at (410) 576-2674 or (410) 576-2693.

Chart 12211

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

The swim portion of the annual triathlon event is scheduled to occur in the Choptank River on June 9, 2019, between 6:30 a.m. and 10:30 a.m. Approximately 2,400 swimmers starting in waves will compete along a marked, 1.2-mile rectangular swim course located along the shoreline, between Great Marsh Park and the Cambridge Yacht Club at Cambridge, MD. Participants will be accompanied and supported by sponsor-provided watercraft. Official patrol vessels on scene can be contacted via marine band radio VHF-FM Channel 16. For any comments or questions contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693.

Chart 12266

**MD – CHESAPEAKE BAY – COVE POINT TO SANDY POINT – CHESAPEAKE CHANNEL – WILLIAM P. LANE, JR. MEMORIAL BRIDGES – REGULATED AREA**

The annual “The Great Chesapeake Bay Swim” is scheduled to occur on Sunday, June 9, 2019. The 4.4-mile distance swim across the Chesapeake Bay will start at 12 noon and finish at 4 p.m. As described in Title 33 CFR Sec. 100.501, a regulated area is established for all waters of the Chesapeake Bay between and adjacent to the spans of the William P. Lane Jr. Memorial Bridges from shoreline to shoreline, bounded to the north by a line drawn parallel and 500 yards north of the north bridge span that originates from the western shoreline at latitude 39°00′36.6″ N., longitude 76°23′56.1″ W., thence eastward to the eastern shoreline at latitude 38°59′14.2″ N., longitude 76°19′57.3″ W., and bounded to the south by a line drawn parallel and 500 yards south of the south bridge span that originates from the western shoreline at latitude 39°00′18.4″ N., longitude 076°24′28.2″ W., respectively.
Charts 12270, 12263
Participants will be supported by sponsor Chesapeake Bay, (1) between Tolly Point and Thomas Point, and (2) between Hackett Point and Tolly Point. Races will start at 6:30 p.m. and 9:30 p.m.

A sailing regatta
Charts 12282, 12283
contact Coast Guard Sector Maryland
transit

A sailboat racing weekly series is scheduled to occur in the Severn River each Thursday evening from May 9, 2019 through August 29, 2019. Races will start at 6:30 p.m. and 9:30 p.m. Up to 80 participants (small keel sailboats, 22-26 foot in length) will race in heats along a course located between the mouth of the Severn River and the Severn River Middle Ground Anchorage. Mariners are urged to use caution and remain alert for other watercraft when

MD – CHESAPEAKE BAY – COVE POINT TO SANDY POINT – WILLIAM P. LANE, JR. MEMORIAL BRIDGES – OPEN WATER SWIM EVENT
An annual swim race is scheduled to occur in the Chesapeake Bay adjacent to Kent Island, on June 9, 2019 from 11 a.m. to 12:30 p.m. Up to 500 swimmers will compete on a marked, 1-mile triangular swim course located south of the William P. Lane, Jr. Memorial Bridges, along the western shoreline of Kent Island, MD, with a start and finish at the beach adjacent to Hemmingway’s Restaurant. Participants will be supported by sponsor-provided watercraft. Official patrol vessels on scene can be contacted on marine 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.
Charts 12263, 12270

MD – CHESAPEAKE BAY – COVE POINT TO SANDY POINT – CHESAPEAKE CHANNEL – WILLIAM P. LANE, JR. MEMORIAL BRIDGES – REGULATED AREA
The annual “Great Chesapeake Bay Swim” is scheduled to occur on Sunday, June 9, 2019. The 4.4-mile distance swim across the Chesapeake Bay will start at 12 noon and finish at 4 pm. As described in Title 33 CFR Sec. 100.501, a regulated area is established for all waters of the Chesapeake Bay between and adjacent to the spans of the William P. Lane Jr. Memorial Bridges from shoreline to shoreline, bounded to the north by a line drawn parallel and 500 yards north of the north bridge span that originates from the western shoreline at latitude 38°59′14.2″ N., longitude 076°23′55″ W., thence eastward to the eastern shoreline at latitude 38°58′39.2″ N., longitude 076°20′08.8″ W.; and bounded to the south by a line drawn parallel and 500 yards south of the south bridge span that originates from the western shoreline at latitude 39°00′18.4″ N., longitude 076°24′28.2″ W., thence eastward to the eastern shoreline at latitude 38°58′39.2″ N., longitude 076°20′08.8″ W. The regulated area will be enforced from 11 am to 5 pm on June 9, 2019. The Coast Guard Patrol Commander (PATCOM) or designated marine event patrol may forbid and control the movement of all vessels in the regulated area. When hailed or signaled by an official patrol, a vessel in the regulated area shall immediately comply with the directions given. Failure to do so may result in expulsion from the area, citation for failure to comply, or both. The operator of any vessel in the regulated area shall: (i) stop the vessel immediately when directed to do so by any Official Patrol and then proceed only as directed; (ii) all persons and vessels shall comply with the instructions of the Official Patrol; (iii) vessel operators may request permission to enter and transit through a regulated area by contacting the PATCOM on VHF-FM channel 16. When authorized to transit through the regulated area, vessels shall proceed at the minimum speed necessary to maintain a safe course that minimizes wake near the race course or marine event area. The marine event patrol and PATCOM may be contacted on VHF-FM Channel 16. The PATCOM may terminate the event, or the operation of any vessel participating in the marine event, at any time if deemed necessary for the protection of life or property. Only designated marine event participants and their vessels and official patrol vessels are authorized to enter the regulated area. The COTP MD-NCR can be contacted at 410-576-2525, or 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.
Charts 12263, 12270

****MD – CHESAPEAKE BAY – SANDY POINT TO SUSQUEHAANA RIVER – SAILING REGATTA****
An annual sailing regatta is scheduled to occur on the Upper Chesapeake Bay during June 29-30, 2019, between 10 a.m. and 5 p.m. on both days. Up to 40 sailboats (25 to 45 ft in length) will compete along designated courses that are located between Poole Island and the Craighill Channel Range Front Light (LWR 8440). On Saturday, a single distance race is expected to start in the vicinity of Seven Foot Knoll and finish in Middle River. On Sunday, two windward/leeward races will be conducted starting near the mouth of Middle River. Interested mariners can contact the Glenmar Sailing Association (GSA) race committee via marine band radio VHF-FM channel 16 or 72. Additional event information is available at the GSA website www.glenmarsailing.org. For any comments or questions contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693.
Chart 12273

MD – CHESAPEAKE BAY – SEVERN RIVER - SAILING REGATTA WEEKLY SERIES
A sailboat racing weekly series is scheduled to occur in the Severn River each Thursday evening from May 9, 2019 through August 29, 2019, between 6:30 p.m. and 9:30 p.m. Up to 80 participants (small keel sailboats, 22-26 foot in length) will race in heats along a course located between the mouth of the Severn River and the Severn River Middle Ground Anchorage. Mariners are urged to use caution and remain alert for other watercraft when transiting the area, proceed at the minimum speed necessary to maintain a safe course that minimizes wake while operating near the race course, and heed the directions of official patrol vessels, which can be contacted via marine band radio VHF-FM channel 16. For any comments or questions, contact Coast Guard Sector Maryland-National Capital Region at (410) 576-2674 or (410) 576-2693.
Charts 12282, 12283

****MD – CHESAPEAKE BAY – COVE POINT TO SANDY POINT AND SEVERN RIVER – SAILING REGATTA****
A sailing regatta is scheduled to occur in the Chesapeake Bay near the mouth of the Severn River on June 22, 2019, between 10 a.m. and 5 p.m. both days. Up to 30 sailing vessels (18-26 feet in length) will compete in a series of races on marked courses within two designated race areas located in the Chesapeake Bay, (1) between Tolly Point and Thomas Point, and (2) between Hackett Point and Tolly Point. Races will start at or after 11 a.m. Participants will be supported by sponsor-supplied safety boats. EYC race committee can be contacted via marine band radio VHF-FM channels 16, 05, 09 and 73. Information on the One Design Classic can be obtained at the Eastport Yacht Club (EYC) website http://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 12270, 12263

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

4
The Annapolis Yacht Club (AYC) will conduct annual sailing regattas in the Severn River and the Chesapeake Bay, near the mouth of the Severn River, between 10 a.m. and 8 p.m. AYC events with competing sailing vessels are scheduled on the following dates in 2019: (7) June 9 (CRAB Cup - 6 participants, 22 feet in length); (8) July 2 (Junior Annapolis Regatta - 100 participants, 8 to 15 feet in length); (9) July 27-28 (Annual Regatta - 45 participants, 24 to 50 feet in length); (10) August 23-25 (Cumberland Cup - 4 participants, 22 feet in length); (11) August 31-September 1 (Annapolis Labor Day Regatta - 150 participants, 25 to 50 feet in length); (12) September 13-15 (Annapolis YC 3-2-1 Invitational - 8 to 10 participants, 20 to 30 feet in length); (13) September 20-22 (J/30 North Americans - 17 participants, 30 feet in length); (14) September 21 (Fall Race to Solomons - 30 participants, 30 to 50 feet in length); (15) September 26-29 (Fall Series Weekend 2 - 30 participants, 30 to 50 feet in length); (16) October 5-6 (Fall Series Weekend 2 - 30 participants, 30 to 50 feet in length); (17) October 12 (Fall Series River Course - 25 participants, 20 to 26 feet in length); (18) October 15-18 (Warrington Sailing Project - 8 participants, 22 feet in length); (19) October 19-20 (Eschells ACC - Lippincott - 30 participants, 23 & 31 feet in length); (20) October 26-27 (Halloween Howl - 50 participants, 8 feet in length); (21) October 26-27 (J/105 & J/35 Fall Championships - 25 participants, 35 feet in length); and (22) November 3-December 8 (Frostbite Series - 1st Half - 80 participants, 22 to 45 feet in length). Additional information http://www.annapolisyc.com/racing/regattas. The AYC Race Committee can be contacted via VHF-FM and at http://www.annapolisyc.com/racing/contacts. For any comments or questions, contact Coast Guard Sector MD-NCR, Waterways Management Division, at (410) 576-2674 or (410) 576-2693. Charts 12270, 12282, 12293

****MD – CHESAPEAKE BAY – SANDY POINT TO SUSQUEHANNA BOHEMIA RIVER – FIREWORKS DISPLAY****

A aerial fireworks display is scheduled to occur along the upper Bohemia River on June 7, 2019 (rain date June 14, 2019), at 8:45 p.m. Mariners are urged to use caution when transiting the area, reminded to heed the directions of patrolling law enforcement and public safety officials, and absent specific guidance, should remain 420 feet from the fireworks discharge site at the Bohemia Manor Farm pier, located in approximate position latitude 39°28′04″.63′ N, longitude 075°52′06″.74′ W. Comments or questions should be directed to Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at telephone number (410) 576-2674 or (410) 576-2693. Charts 12273, 12274

****MD – CHESAPEAKE BAY – SEVERN RIVER – SAILING REGATTA****

A sailing regatta is scheduled to occur on the Severn River and Chesapeake Bay on June 15, 2019, between 11 a.m. and 5 p.m. Up to 15 sailboats (25-50 feet in length) will operate on a race course between Annapolis Harbor Channel LB 9 (LLNR 19760) and Annapolis Harbor Channel LB 2 (LLNR 19698), located at Annapolis, MD. Interested mariners can contact the Eastport Yacht Club Race Committee via marine band radio VHF-FM channels 9, 16 and 25. Additional information on the Cruisers Cup Race is available at website http://eastportyc.org/beer. 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

MD – CHESAPEAKE BAY – SEVERN AND MAGATHY RIVERS – SEVERN RIVER – SAILING REGATTA SERIES

An annual sail racing series is scheduled to occur in the Severn River each Friday evening from May 10 through Aug 23, 2019, between 5 p.m. and 9 p.m. Up to 45 auxiliary sail boats (25 to 45 feet in length) will compete in sail races along a designated course located in the Severn River, between the mouth of the Severn River and the entrance to Spa Creek at Annapolis, MD. For additional information visit: www.eastportyc.org/beersans. Interested mariners can contact the Eastport Yacht Club Race Committee via marine band radio VHF-FM channel 16 or 73. For any comments or questions, contact Coast Guard Sector MD-NCR, Waterways Management Division, at (410) 576-2674 or (410) 576-2693. Charts 12282, 12283

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

The annual “Baltimore Dragon Boat Challenge” paddling regatta is scheduled to occur in the Northwest Harbor on June 22, 2019 (rain date June 23, 2019). 22 person teams in 3 to 4 boats (41 feet in length) per racing heat will compete along a marked course with 4 lanes near Tide Point, located between the American Sugar Refining wharf and North Locust Point Marine Terminal Pier 8 in Baltimore, MD. Course markers will be placed up to two hours before the event, with racing from 8 a.m. to 5 p.m., and course markers will be removed up to two hours after the event. 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 regulated area will be enforced from 8 a.m. until 5 p.m. on June 22, 2019, and in the case of inclement weather, this marine event may be postponed and the regulated area enforced from 8 a.m. until 5 p.m. on June 23, 2019. The Coast Guard Patrol Commander or designated marine event site managers may change the course. The general public is prohibited from mooring or anchoring of all vessels and persons on the regulated area. All vessels 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 via 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 - BALTIMORE HARBOR – PADDLING EVENT

The annual “Baltimore Floatilla for a Healthy Harbor” paddle event is scheduled to occur in the Patapsco River at Baltimore on June 8, 2019, from 8 a.m. to 11 a.m. Up to 300 pre-registered experienced paddlers will operate kayaks, canoes, dragon boats and standup paddle boards that will depart from three launch sites. Participants will proceed to and attend an on-water rally planned at the Inner Harbor amphitheater next to Pier 1 at 10:30 a.m. The designated shoreline routes used by paddlers are as follows: (1) from the Canton Waterfront Park in the Northwest Harbor to the Inner Harbor; (2) from Tide Point to Northwest Harbor to the Inner Harbor; and (3) from the Broening Park boat ramp along the Patapsco River-Middle Branch to the Inner Harbor. Paddlers will be supported by, and kept clear of the navigable channels using, sponsor-provided motorized skiffs with radio-equipped professional water rescue teams. Mariners are urged to use caution when transiting the area and remain alert for participating watercraft and their support vessels. Official patrol personnel on scene can contact the marine band radio VHF-FM Channel 16. Additional event information is available at website www.baltimorefloatilla.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 12281

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

An annual sailboat racing weekly series is scheduled to continue in Baltimore Harbor each Thursday evening from April 25, 2019 through October 10, 2019, between 5:30 p.m. and 8:30 p.m. Up to 16 sailboats (22-23 feet in length) will compete along a designated race course located in one of three areas in Northwest Harbor: (A) NW of Tide Point and East of Harbor View Tower; (B) NW of Fort McHenry and East of Broadway Pier; (C) Patapsco River North and Fort McHenry; or (D) East of Fort McHenry. Participants will be supported by sponsor-provided motorized launches. Interested mariners may contact the Downtown Sailing Center’s Race Committee on marine band radio VHF-FM Channels 16 and 71. For any comments or
MD – CHESAPEAKE BAY – HEAD OF CHESAPEAKE BAY – APPROACHES TO BALTIMORE – SAILING RACE

An evening sailing regatta is scheduled to occur on the Upper Chesapeake Bay, between 4 p.m. on June 8, 2019 and 1 a.m. on June 9, 2019. Up to 40 sailboats (25 to 40 ft in length) will compete along a designated course that is located between Pooles Island Bar Light (LLNR 8663) and Baltimore Light (LLNR 8664). For more information contact the Annapolis Yacht Club Race Committee via marine band radio VHF-FM channel 16 or 78A.

Additional event information is available at website: www.annapolisnewportrace.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.

VA – MD – POTOMAC RIVER - PINEY POINT TO LOWER CEDAR POINT – FIREWORKS DISPLAY

An annual aerial fireworks display will be held along the Potomac River at Colonial Beach, VA on June 8, 2019 (rain date June 9, 2019), at approximately 9 p.m. Mariners are urged to use caution when transiting the area, to keep a sharp lookout for other watercraft in the area, and are reminded to heed the directions of patrolling law enforcement and public safety officials. Absent specific guidance, mariners should remain 200 yards from the fireworks discharge site located at the end of the Colonial Beach Municipal Pier, in approximate position latitude 38°15'02.8" N, longitude 076°57'34.0" W. For any comments or questions contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693.

VA – MD – CHESAPEAKE BAY – CHESAPEAKE CHANNEL – LONG DISTANCE SAILING RACE

Starts for the 2019 Annapolis to Newport ocean sailing race are scheduled to occur in the Chesapeake Bay near Annapolis, MD, at the mouth of the Severn River, on Friday, June 7, 2019 and on Saturday, June 8, 2019, at approx 11 a.m. both days. Up to 60 competing sail boats total (32-70 feet in length), of different classes, will proceed southward in the Chesapeake Bay to sea via Cape Henry, VA. The starting line will be marked with orange flags on race committee signal boats located near Annapolis Harbor Lighted Buoy 2 (LLNR 19695). Additional event information is available at website: http://www.annapolisnewportrace.com/. The Annapolis Yacht Club Race Committee can be contacted via marine band radio VHF-FM channels 16 and 69. For any comments or questions, contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693.

VA – MD – POTOMAC RIVER – LOWER CEDAR POINT TO MATTAWOMAN CREEK – MATTAWOMAN CREEK – SWIM EVENT****

The swim segment of an annual triathlon is scheduled to occur in Mattawoman Creek on June 15, 2019, between 8 a.m. and 11 a.m. both days. Up to 500 participants (groups of 100 athletes starting every 4 minutes) will compete in designated 1500-meter International (2 laps) and 750-meter Sprint (1 lap) races, along a marked 750-meter rectangular course located at General Smallwood State Park boat launch area at Marbury, MD. Swimmers will be supported by sponsor-provided kayaks. Swim course set up will take place on June 14, 2019 at 1 p.m. Safety patrol vessels on scene can be contacted on marine band radio VHF-FM channels 16 and 78A. For any comments or questions, contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at (410) 576-2674 or (410) 576-2693.

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

A short-duration aerial fireworks display is scheduled to occur on the Potomac River at National Harbor, MD on June 7, 2019 (rain date June 10, 2019) at approximately 8:30 p.m. The fireworks will be launched from a floating platform (pontoon boats) located approximately 650 feet from the grounds of the Gaylord National Resort & Conference Center, in approximate position latitude 38° 47'01.80" N, longitude 077° 01'12.55" W. Mariners are urged to use caution when transiting the area, and heed the directions of patrolling law enforcement and public safety officials. Absent specific guidance, mariners should remain 250 feet from the fireworks floating platform (pontoon boats). For any comments or questions contact Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at telephone (410) 576-2674 or (410) 576-2693.

DC – UPPER POTOMAC RIVER - SAILING REGATTA

A sailing regatta is scheduled to occur in the Upper Potomac River on June 8, 2019, from 10 a.m. to 3 p.m. Up to 20 sail boats will operate along a designated race course between Alexandria Channel Buoy 2 (LLNR 18610) and Alexandria Channel Buoy 4 (LLNR 18615), located in Washington, DC. Sponsor-provided safety patrol personnel will be on scene. Information on the “GEICO Cup Regatta” can be obtained at the Daringfield Island Sailing Club website, www.discsailing.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.

DC – UPPER POTOMAC RIVER - WASHINGTON CHANNEL – FIREWORKS DISPLAY SAFETY ZONE****

Mariners are advised that the Washington Blade Foundation fireworks display is scheduled to occur in Washington Channel on Saturday, June 8, 2019 (rain date October 18, 2019), at 9 p.m. As described in 33 CFR § 165.05-1011, the Coast Guard will establish a temporary safety zone upon the waters of the Washington Channel within 200 feet of the fireworks barge located within an area bounded on the south by latitude 38°52'30" W, and bounded on the north by the southern extent of the Francis Case (I-395) Memorial Bridge, located at Washington, DC. Under the general safety zone regulations in subpart C of 33 CFR 165, you may not enter the safety zone described in this paragraph unless authorized by the Captain of the Port U.S. Coast Guard Sector Maryland-National Capital Region (COTP) or the COTP’s designated representative. All vessels underway within this safety zone at the time it is activated are to depart the zone. To seek permission to enter, contact the COTP or the COTP’s designated representative by phone at 410–576–2693 or on VHF-FM channel 16 (156.8 MHz). The Coast Guard vessels enforcing this section can be contacted on VHF-FM channel 16 (156.8 MHz). Those in the safety zone must comply with all lawful orders or directions given to them by the COTP or the COTP’s designated representative. The U.S. Coast Guard may be assisted in patrol and enforcement of the safety zone by Federal, State, and local agencies. This safety zone will be enforced from 8 p.m. to 10:30 p.m. on June 8, 2019, and if necessary due to inclement weather, from 8 p.m. to 9:30 p.m. on October 18, 2019. The fireworks barge will display a “FIREWORKS—DANGER—STAY AWAY” sign on the port and starboard sides while it is on-scene.

Comments or questions should be directed to Coast Guard Sector Maryland-NCR, Waterways Management Division, at (410) 576-2674 or (410) 576-2693.

***DC – POTOMAC RIVER – MATTAWOMAN CREEK TO GEORGETOWN – ANACOSTIA RIVER – FIREWORKS DISPLAY SAFETY ZONE****
An aerial fireworks display is scheduled to occur on the Anacostia River on Jun 14, 2019, at approximately 10 p.m. As described in 33 CFR section 165.506, the fireworks safety zone listed as number (b)18 is established for all waters of the Anacostia River within a 150 yard radius of the fireworks barge in approximate position latitude 38°52′13″ N., longitude 077°00′16″ W., located near the Washington Nationals Ball Park. The safety zone will be enforced from 9 p.m. to 11 p.m. on June 14, 2019. The general regulations contained in 33 CFR 165.23 apply. All persons and vessels shall comply with the instructions of the Coast Guard Captain of the Port (COTP), the Coast Guard Patrol Commander, or the designated on-scene-patrol personnel. Other Federal, State, and local agencies may assist these personnel in the enforcement of the safety zone. Vessels may not enter, remain in, or transit through the safety zone during these enforcement period unless authorized by the COTP or designated Coast Guard patrol personnel on scene. The COTP Maryland-National Capital Region can be contacted by phone at (410) 576-2693, or on VHF–FM Channel 16. Coast Guard vessels enforcing this zone can be contacted on marine VHF–FM Channel 16. The fireworks barges that operate within this safety zone will have a diamond-shaped sign affixed to the port and starboard side of the barges labeled “FIREWORKS—DANGER—STAY AWAY.” The signs will consist of a white background with an orange retro reflective border and the words in black block letters centered on the sign. Comments or questions should be directed to Coast Guard Sector Maryland-National Capital Region, Waterways Management Division, at telephone number (410) 576-2674 or (410) 576-2693.

Chart 12289

***DC – POTOMAC RIVER – MATTAWOMAN CREEK TO GEORGETOWN – WATERFRONT ARTS FESTIVAL****
In support of the “By The People” arts and dialogue festival scheduled to occur at Washington, DC during June 15-23, 2019, the deck barge SMITH BROTHERS (30 ft x 90 ft) will be used to display lighted artworks during the event. The barge will be positioned using four-point anchor system (manually deployed and recovered) on the Anacostia and Potomac Rivers, anchoring at Georgetown Waterfront (June 15-18), Capitol Riverfront Park (June 18-22), and Anacostia Park (June 22-23). The barge will be marked and lighted in accordance with U.S. Coast Guard regulations. Mariners are urged to use caution when transiting these areas, and can contact the Smith Brothers, Inc. tug THREE SISTERS on marine band radio VHF–FM channels 13 and 16.

Chart 12289

DC – UPPER POTOMAC AND ANACOSTIA RIVERS - OUTRIGGER CANOE RACES
Outrigger canoe races are scheduled to occur in the Upper Potomac River and Anacostia River on June 15, 2019, from 8 a.m. to 4 p.m. Up to 100 participants in 44-foot outrigger canoes will compete along designated 12-mile and 9-mile race courses located between the Sousa Bridge and Roosevelt Island in Washington, DC. Sponsor-provided safety patrol personnel will be on scene. Additional information on the “NCA Monumental Outrigger Canoe Race” event is available at website: https://paddlegru.com/races/NCAMonumentalOutriggerCanoeRace2019. 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 12289

***VA – NORFOLK HARBOR - LOWER CHESAPEAKE BAY - VIRGINIA BEACH****
The Mid Atlantic Power Boat Association will be sponsoring the 11th Annual Powerboating for a Cure Poker Run 2019 on Saturday June 29, 2019 from 10:00 AM until 4:00 PM. This event will start at the Waterside Marina stopping at multiple locations and ending at Rudee Inlet Marina and returning back to Waterside. Mariners are requested to use caution and keep a sharp lookout when transiting the area of the event participants.

Chart 12245, 12256, 12254, 12222, 12208

VA – NORFOLK HARBOR – SOUTHERN BRANCH ELIZABETH RIVER
Portsmouth Boat Club will be sponsoring the 2019 Cock Island Race on Saturday June 15, 2019 from 9:00 AM until 3:00 PM. This event will start on the Southern Branch of the Elizabeth River at the Portsmouth Seawall, run up to Lambert’s Point, then towards Sewall’s Point and out to Middle Ground Light (LLNR 10815) and return to the southern branch of the Elizabeth River to the Portsmouth City Seawall. An estimated 100 boats will be participating in this year’s race with sailboats ranging in size from 20-45 feet LOA. Mariners are requested to use caution and bare steerage when transiting the area.

Chart 12253, 12245

VA – ELIZABETH RIVER – TOWN POINT PARK
Hampton Roads Pride Boat Club will be sponsoring the 2019 Hampton Roads Pride Boat Parade on June 22, 2019 starting at Smith Creek/Freemason Harbor at 11:30 AM and run along the Town Point Park waterfront and conclude around 1:30 PM. Parade will include a projected 25 decorated commercial and recreational watercraft of various sizes. Mariners are requested to use caution and bare steerage when transiting the area.

Chart 12253

***VA – CHESAPEAKE BAY – ELIZABETH RIVER – LAFAYETTE RIVER****
The Norfolk Yacht and Country Club is sponsoring the Wolcott Memorial Regatta in the vicinity of Tanner Point, Norfolk, VA. This event will begin at 9:00 a.m. and end at 5:00 p.m. on June 30, 2019. The regatta course will start and finish west of the Bolling Avenue light in the Elizabeth River. Mariners are requested to use caution and bare steerage when transiting the area.

Chart 12245

VA – NORFOLK HARBOR - ELIZABETH RIVER - NORFOLK TIDES BASEBALL – FIREWORKS
The Norfolk Tides will sponsor a land fired aerial fireworks display at 150 Park Avenue, Norfolk, VA near the Elizabeth River. This event will take place after the Norfolk Tides baseball games on June 1, June 15, June 29, July 3, July 20, August 3, August 10, August 31, and Sep 1, 2019. Mariners are urged to use caution and are reminded to heed the directions of patrolling law enforcement and public safety officials.

Chart 12253

VA – HAMPTON – LOWER CHESAPEAKE BAY – CAPE HENRY
CCV Racing will be sponsoring the 2019 Summer Solstice Ocean sailboat race starting at Buckroe Beach proceeding out to the Chesapeake Bay Light and back. This event will take place beginning at 8 a.m. and end at 8:00 p.m. on June 22, 2019. Mariners are requested to use caution and bare steerage when transiting the area.

Chart 12222, 12226

****VA – JAMES RIVER – APPOMATTOX RIVER - CITY OF HOPEWELL – FIREWORKS****
The city of Hopewell Recreation and Parks will be sponsoring a fireworks display on Saturday June 29, 2019 from 9:30 PM until 9:45 PM. Fireworks will be fired from a barge positioned on the Appomattox River near City Point in Hopewell, VA. A variety of public viewing areas will be made available along the shoreline near the show. A safety perimeter will be created and maintained by local public safety marine units around the detonation area. Spectators are requested to view the demonstration from within the public viewing areas.

Chart 12252
VA – CHESAPEAKE BAY – YORK RIVER – MATTAPONI RIVER
The Virginia Outlaw Drag Boat Association, along with the Mattaponi Volunteer Rescue will be sponsoring the Mattaponi Madness Drag Boat Event that will be held on June 15th & 16th, 2019. No rain dates are scheduled for this event. The event location will be on the Mattaponi River, at Rainbow Acres Campground, King & Queen, Va. There will be no swimming in the ramp area or in any area surrounding the event. By request, there will also be no viewing of the event by boat or waterway to again ensure the safety of the spectators and participants.
Chart 12244

VA – CHESAPEAKE BAY – PIANKATANK RIVER
The Fishing Bay Yacht Club will be sponsoring the FBYC Distance Series #1 (Moon Light) set to begin on Saturday June 15, 2019 from 7:00 PM until 12:00 AM (midnight). This event will start in the vicinity of the mouth of the Piankatank River and sail around specified government marks within the bay based on the wind direction on the day of the race. An estimated 20 boats will participate in this FBYC sailboat race.
Chart 12235

VA – CHESAPEAKE BAY – PIANKATANK RIVER
The Fishing Bay Yacht Club is sponsoring the One Design Spring Series on the Piankatank River in the vicinity of Stove Point, Deltaville, VA. The sailboat race will begin at 10:00 am and end at 4:00 pm on May 11, May 18, and June 16, 2019. Mariners are requested to use caution and bare steerage when transiting the area.
Chart 12235

****VA – PIANKATANK RIVER – SAILBOAT RACE****
The Fishing Bay Yacht Club will be sponsoring the Distance series sailboat race on Saturday June 29, 2019 beginning at 9:00 AM and ending in the evening at 12:00 AM. Mariners are requested to use caution and bare steerage when transiting the area.
Chart 12235

VA – CHESAPEAKE BAY – PIANKATANK RIVER
The Fishing Bay Yacht Club is sponsoring the FBYC J/70 Friday Night Series in the vicinity of the mouth of the Piankatank River. This event will begin at 6:00 p.m. and end at 9:00 p.m. each day on June 7, June 14, June 21, June 28, July 5, July 26, August 2, August 16 and August 23, 2019. Mariners are requested to use caution and bare steerage when transiting the area.
Chart 12235

VA - CHESAPEAKE BAY - PIANKATANK RIVER - FALL SERIES SAILBOAT RACES
The Fishing Bay Yacht Club will be sponsoring the Fall Series sailboat races occurring near the mouth of the Piankatank River in the vicinity of Deltaville, VA. This event will take place beginning at 9:00 a.m. and ending at 4:00 p.m. on June 8th, 2019. Mariners are requested to use caution and bare steerage when transiting the area.
Chart 12235
Legend

Tred Avon Restoration

- Reef Restoration & Seed, 9-20 ft water depths, Constructed and seeded (16 acres)
- Seed Only Sites Planted 2016 (19 acres)
- Constructed December 2016, 9-20 ft water depths (6 acres)
- Partially constructed 2016, complete in Spring 2017, 9-20 ft water depths (2 acres)
- Spring 2017, Construction, 9-20 ft water depths (1.7 acres)
- Spring 2017 Construction, 6.5-9 ft water depths (8.4 acres)

Tred Avon Sanctuary Boundary

December 2016 and spring 2017 constructed sites are planned to receive seed in spring/summer 2017.

NOT TO BE USED FOR NAVIGATION

Tred Avon River Oyster Restoration

Created by USACE on April 13, 2017