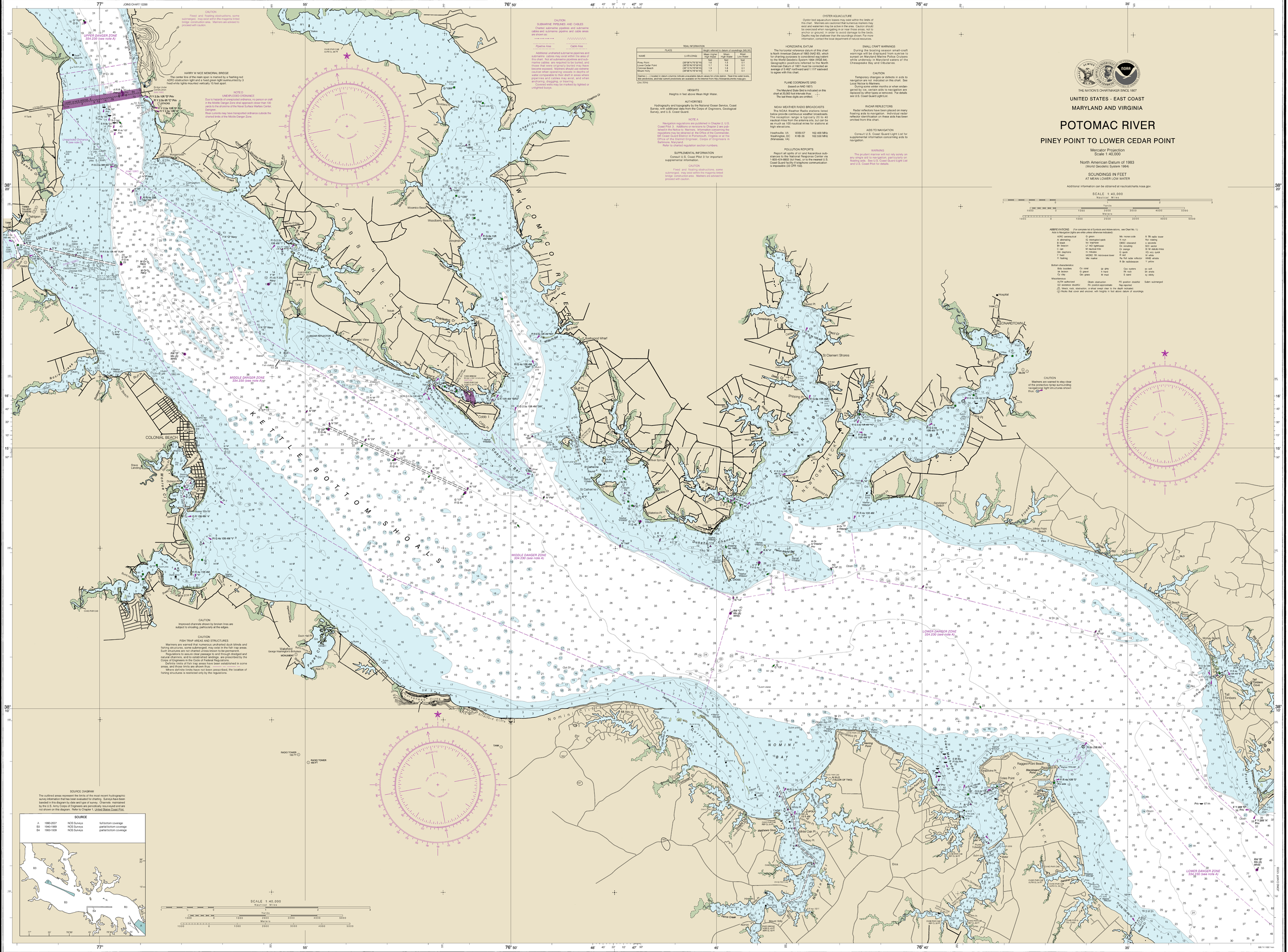
THE NATION'S CHARTMAKER SINCE 1807
UNITED STATES - EAST COAST
MARYLAND AND VIRGINIA
POTOMAC RIVER
PINEY POINT TO LOWER CEDAR POINT
Mercator Projection
Scale 1:40,000
North American Datum of 1983
(World Geodetic System 1984)
SOUNDINGS IN FEET
AT MEAN LOWER LOW WATER
Additional information can be obtained at nauticalcharts.noaa.gov.
SCALE 1:40,000
Nautical Miles
Yards
Meters
ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1)
Aids to Navigation (lights are white unless otherwise indicated):
AERO aeronautical
Al alternating
B black
Bn beacon
C can
DIA diaphone
F fixed
Fl flashing
G green
IQ interrupted quick
Iso isophase
LT HO lighthouse
M nautical mile
m minutes
MORO, TR microwave tower
Mkr marker
Mo morse code
N nun
OBSC obscured
Oc occulting
Or orange
Q quick
R red
Ra Ref radar reflector
R Bn radiobeacon
R TR radio tower
Rcr roaring
s seconds
SEC sector
St M statute miles
VQ very quick
W white
WHS whistle
Y yellow
Bottom characteristics:
Bld boulders
bk broken
Cy clay
Co coral
gravel
Gs grass
gy gray
h hard
M mud
Oys oysters
Rk rock
S sand
so soft
Sh shells
sy sticky
Miscellaneous
AUTH authorized
Obstn obstruction
PD position doubtful
Subm submerged
ED existence doubtful
PA position approximate
Rep reported
JL, lineck, rock, obstruction, or shoal swept clear to the depth indicated.
(1) Rocks that cover and uncover, with heights in feet above datum of soundings.
CAUTION
Mariners are warned to stay clear of the protective riprap surrounding navigational light structures shown thus
CAUTION
Fixed and floating obstructions, some submerged, may exist within the magenta tinted bridge construction area. Mariners are advised to proceed with caution.
UPPER DANGER ZONE
334.230 (see note A)
MIDDLE DANGER ZONE
334.230 (see note A)
LOWER DANGER ZONE
334.230 (see note A)
HARRY W NICE MEMORIAL BRIDGE
The center line of the main span is marked by a flashing red ADRO obstruction light and a fixed green light surmounted by 3 fixed white lights mounted vertically 15 feet apart.
NOTE D
UNEXPLODED ORDNANCE
Due to hazards of unexploded ordnance, no person or craft in the Middle Danger Zone shall approach closer than 100 yards to the shoreline of the Naval Surface Warfare Center, Dahlgren.
River currents may have transported ordnance outside the charted limits of the Middle Danger Zone.
CAUTION
SUBMARINE PIPELINES AND CABLES
Charted submarine pipelines and submarine cables and submarine pipeline and cable areas are shown as:
Pipeline Area
Cable Area
Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.
Covered weirs may be marked by lighted or unlighted buoys.
TIDAL INFORMATION
PLACE NAME (LATITUDE LONGITUDE)
Heights referred to datum of soundings (MLLW)
Mean Higher High Water
Mean High Water
Mean Low Water
Piney Point (38°08'76"N 76°38'W) 1.6 1.0 0.1
Lower Cedar Point (38°05'76"N 76°18'W) 1.7 1.6 0.1
Colonial Beach (38°15'N 76°58'W) 1.9 1.8 0.1
Mount Holly (38°06'N 76°40'W) 1.7 1.6 0.1
Dashes (– –) located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tide current predictions are available on the Internet from http://tidesandcurrents.noaa.gov.
(Dec 2014)
HEIGHTS
Heights in feet above Mean High Water.
AUTHORITIES
Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.
NOTE A
Navigation regulations are published in Chapter 2, U.S. Coast Pilot 3. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning the regulations may be obtained at the Office of the Commander, 5th Coast Guard District in Portsmouth, Virginia or at the Office of the District Engineer, Corps of Engineers in Baltimore, Maryland.
Refer to charted regulation section numbers.
SUPPLEMENTAL INFORMATION
Consult U.S. Coast Pilot 3 for important supplemental information.
OYSTER AQUACULTURE
Oyster bed aquaculture leases may exist within the limits of this chart. Mariners are cautioned that numerous markers may exist and watermen may be active in the area. Caution should be exercised when navigating in or near those areas, not to anchor or ground, in order to avoid damage to the beds. Depths may be shallower than the soundings shown. For more information, contact the local department of natural resources.
HORIZONTAL DATUM
The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which is the Geodetic Reference System 1980 (GRS 80) ellipsoid to the World Geodetic System 1984 (WGS 84). Geographic positions referenced to the North American Datum of 1927 must be corrected an average of 0.462" northward and 1.111" eastward to agree with this chart.
PLANE COORDINATE GRID
(based on NAD 1927)
The Maryland State Grid is indicated on this chart at 20,000 foot intervals thus:
The last three digits are omitted.
NOAA WEATHER RADIO BROADCASTS
The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.
Heathsville, VA WXM-57 162.400 MHz
Washington, DC (Manassas, VA) KHB-36 162.550 MHz
POLLUTION REPORTS
Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).
SMALL CRAFT WARNINGS
During the boating season small-craft warnings will be displayed from sunrise to sunset on Maryland Marine Police Cruisers while underway in Maryland waters of the Chesapeake Bay and tributaries.
CAUTION
Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.
During some winter months or when endangered by ice, certain aids to navigation are replaced by other types or removed. For details see U.S. Coast Guard Light List.
RADAR REFLECTORS
Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.
AIDS TO NAVIGATION
Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.
WARNING
The prudent mariner will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.
SOURCE DIAGRAM
The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, United States Coast Pilot.
SOURCE
A 1990-2007 NOS Surveys full bottom coverage
B3 1940-1969 NOS Surveys partial bottom coverage
B4 1900-1939 NOS Surveys partial bottom coverage
COLONIAL BEACH
KETTLE BOTTOM SHOALS
NOMINI BAY
ST CLEMENTS ISLAND
NEWTOWN NECK
BRETON BAY
LEONARDTOWN
Cobb I
Point Lookout
Piney Point
Lower Cedar Point
Colonial Beach
Mount Holly
Ragged Point Beach
Coles Point
Tall Timbers
White Point Beach
Sandyland Beach
Wicomico Beach
Woodberry Beach
St Clement Shores
Washington Wharf
Mount Vernon
Nomini Cliffs
Wakefield
George Washington's Birthplace
MONUMENT
Duck Hall Pt
Pope Cr
Hospital
RADIO TOWER 180 FT
RADIO TOWER 480 FT
TANK
SCALE 1:40,000
Nautical Miles
Yards
Meters
MAGNETIC
TRUE
VAR 6°30 W (2012)
ANNUAL INCREASE 0'
CAUTION
This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LNM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner. Chart updates corrected from Notice to Mariners published after the dates shown in the lower left hand corner are available at nauticalcharts.noaa.gov.
This chart is canceled. No new editions will be issued.
3rd Ed., Aug. 2017, Last Correction: 11/4/2022 (Cleared through
LNM: 43/22 (10/29/2022), NM: 46/22 (11/12/2022))
To ensure that this chart was printed at the proper scale, the line below should measure six inches (152 millimeters).
NOAA encourages users to submit inquiries, discrepancies or comments about this chart at http://www.nauticalcharts.noaa.gov/staff/contact.htm.
SOUNDINGS IN FEET
Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY
FATHOMS
FEET
METERS
Potomac River, Piney Point to Lower Cedar Point
SOUNDINGS IN FEET - SCALE 1:40,000
12286