NOAA encourages users to submit inquiries, discrepancies or comments about this chart at http://www.nauticalcharts.noaa.gov/staff/contact.htm.

Formerly C&GS 280, 1st Ed., Jan. 1928 G-1953-835 KAPP 670

SOUNDINGS IN FEET

12313

SCALE 1:15,000
Nautical Miles
Yards

MAGNETIC
VAR 12° 15'W(2012)
NO ANNUAL CHANGE

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 - 2015	NOS Surveys	full bottom coverage
B2	1970 - 1989	NOS Surveys	partial bottom coverage
B5	Pre - 1900	NOS Surveys	partial bottom coverage

SCHUYLKILL RIVER PROJECT DEPTHS
(see note)

NAME OF CHANNEL	PROJECT DEPTH (FEET)
1	33
2	33
3	33
4	33
5	33
6	33
7	33
8	33
9	33
10	33
11	33
12	33
13	33
14	33
15	33
16	33
17	33
18	33
19	33
20	26
21	26
22	26
23	26
24	26
25	26
26	26
27	26
28	26
29	26
30	22
31	22
32	22
33	22
34	22
35	22
36	22
37	22
38	22

DELAWARE RIVER PROJECT DEPTHS
(see note)

NAME OF CHANNEL	PROJECT DEPTH MLW (FEET)
TINICUM RANGE	40
BILLINGSPORT RANGE	40
MIFFLIN RANGE	40
EAGLE POINT RANGE	40
HORSESHOE BEND	40
EAST HORSESHOE RANGE AND REACH M	40
REACH M TO BENJAMIN FRANKLIN BRIDGE	40
BENJAMIN FRANKLIN BRIDGE TO CAMBRIA ST	40
CAMBRIA ST TO ALLEGHENY AVE	40
HARBOR RANGE	40
FISHER CHANNEL	40

PROJECT DEPTHS

Channel legends and tabulations, where indicated, reflect the U.S. Army Corps of Engineers (USACE) project depths. The channel may be significantly shoaler, particularly at the edges. For detailed channel information and minimum depths as reported by USACE, use NOAA Electronic Navigational Charts. USACE surveys and channel condition reports are available at http://navigation.usace.army.mil/Survey/Hydro.

CAUTION

Fixed and floating obstructions, some submerged, may exist within the magenta tinted bridge construction area. Mariners are advised to proceed with caution.

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.

Mercator Projection
Scale 1:15,000 at Lat. 39°55'

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.

TIDAL INFORMATION

PLACE		Height referred to datum of soundings (MLLW)		
NAME	(LAT./LONG)	Mean Higher High Water	Mean High Water	Mean Low Water
		feet	feet	feet
Billingsport, NJ	(39°51'N/75°15'W)	6.2	5.8	0.2
Philadelphia, Municipal Pier 11, PA	(39°57'N/75°08'W)	6.8	6.4	0.2

Dashes (- - -) located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the Internet from http://tidesandcurrents.noaa.gov.
(Dec 2011)

For Symbols and Abbreviations see Chart No. 1

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, U.S. Coast Guard, and National Geospatial-Intelligence Agency.

CAUTION

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 3 for important supplemental information.

AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

ANCHORAGE AREAS

110.157 (see note A)

Limits and assigned numbers of anchorage areas are shown in magenta.

GENERAL ANCHORAGES

9 10 11 12
13 14 15 16

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 wells may be marked by lighted or unlighted buoys.

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 Philadelphia, Pennsylvania.

Refer to charted regulation section numbers.

HORIZONTAL DATUM

The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charting purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.403" northward and 1.350" eastward to agree with this chart.

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).

CAUTION

BASCULE BRIDGE CLEARANCES

For bascule bridges, whose spans do not open to a full upright or vertical position, unlimited vertical clearance is not available for the entire charted horizontal clearance.

NOAA WEATHER RADIO BROADCASTS

The NOAA Weather Radio station listed below provides 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.

Philadelphia, PA	KIH-28	162.475 MHz

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.

CAUTION

Mariners are warned to stay clear of the protective riprap surrounding navigational light structures shown thus: ⊙

CAUTION

Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence Agency Publication 117.

Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.

Station positions are shown thus:
⊙(Accurate location) ⊙(Approximate location)

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.

COOPER RIVER

The controlling centerline depth at mean lower low water was 6 feet to the upstream limit of the project.

Jun 1980

THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES - EAST COAST

PENNSYLVANIA - NEW JERSEY

DELAWARE RIVER

PHILADELPHIA AND CAMDEN WATERFRONTS

CONTINUATION TO BRAMELL POINT
Scale 1:15,000

CONTINUED ON CHART 12312

JONES INSET

JONES CHART AT LEFT

CONTINUED ON CHART 12314

Iso G 6s 37ft

KAPP 671

1007.6 X 632.8 mm

Do Not Use For Navigation

12313

This is the Last Edition of this chart. It will be canceled on Mar 6, 2024

53rd Ed., Jan. 2012. Last Correction: 1/22/2024. Cleared through:
LNM: 0724 (2/13/2024), NM: 0924 (3/2/2024)

To ensure that this chart was printed at the proper scale, the line below should measure six inches (152 millimeters).

If the line does not measure six inches (152 millimeters), this copy is not certified safe for navigation.

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.

SOUNDINGS IN FEET

Published at Washington, D.C.
U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL OCEAN SERVICE
COAST SURVEY

FATHOMS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
FEET	6	12	18	24	30	36	42	48	54	60	66	72	78	84	90	96	102
METERS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17

Philadelphia and Camden Waterfronts
SOUNDINGS IN FEET - SCALE 1:15,000

12313

(POD) providers fulfill a vessel's requirement to carry a navigational chart "published by the National Ocean Service" in accordance with federal regulations, including but not limited to 33 C.F.R. 164.33(a), 33 C.F.R. 164.72(b), and 46 C.F.R. 28.225(a). POD charts meet stringent print standards and can be recognized by an official certification of authenticity printed on the chart. A list of POD providers can be found at: nauticalcharts.noaa.gov/pod