THE NATION'S CHARTMAKER SINCE 1807

UNITED STATES - EAST COAST
PENNSYLVANIA - NEW JERSEY

DELAWARE RIVER

PHILADELPHIA TO TRENTON

Mercator Projection
Scale 1:20,000 at Lat. 40°05'

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.

For Symbols and Abbreviations see Chart No. 1

DELAWARE RIVER CHANNEL DEPTHS
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JAN 2015

NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)						PROJECT DIMENSIONS		
HARBOR RANGE (CHARTS 12313,12312)	39.9	39.9	40.1	39.0	10-14	400	0.70	40
FISHER CHANNEL	38.9	42.4	44.1	42.4	10-14	400	0.31	40
DRAW CHANNEL	37.2	44.2	43.6	40.6	10-14	400	0.74	40
DELAIR RANGE	38.3	38.9	37.9	35.8	10-14	400	0.98	40
BRIDESBURG CHANNEL	38.9	41.3	40.6	33.0	10-14	400	0.31	40
FRANKFORD CHANNEL	36.1	39.8	35.8	31.4	11-14	400	1.05	40
TACONY CHANNEL	34.4	39.8	38.5	36.9	11-14	400	1.17	40
TORRESDALE RANGE	33.0	36.6	40.0	31.5	11-14	400	1.39	40
MUD ISLAND RANGE	37.1	38.3	37.0	32.3	11-14	400	1.67	40
ENTERPRISE RANGE	35.5	39.3	39.3	33.8	11-14	400	1.70	40
BEVERLY CHANNEL	28.6	37.4	40.0	34.2	11-14	400	0.65	40
EDGEWATER CHANNEL	31.3	37.4	38.5	35.4	12-14	400	1.37	40
DEVLIN CHANNEL	33.7	40.5	39.6	23.7	12-14	400	1.03	40
LEHIGH CHANNEL	33.5	42.0	40.2	32.8	12-14	400	0.66	40
CANAL CHANNEL	38.2	43.5	43.3	35.6	12-14	500	0.19	40
BRISTOL RANGE	38.0	42.4	42.2	39.0	12-14	400	0.62	40
KEYSTONE RANGE	33.1	39.8	42.9	34.2	12-14	400	0.42	40
LANDRETH CHANNEL	34.2	39.7	39.3	37.9	12-14	400	1.21	40
FLORENCE BEND	36.0	41.2	40.2	32.0	12-14	500	0.61	40
FLORENCE RANGE	30.9	39.3	40.2	33.7	12-14	400	1.34	40
ROEBLING RANGE	29.5	39.4	41.9	34.5	12-14	400	0.34	40
KINKORA RANGE	33.5	38.1	38.7	34.7	12-14	400	1.15	40
PENN CHANNEL	36.9	39.6	39.4	34.2	12-14	400	0.36	40
NEWBOLD CHANNEL	10.5	16.5	20.7	27.4	12-14	400	0.52	40-25
BLAKE CHANNEL	16.6	22.9	25.3	26.1	12-14	400	0.17	25
WHITEHILL RANGE	22.4	23.5	23.5	23.8	12-14	300	1.03	25
RARITAN CHANNEL	20.3	22.9	26.6	25.1	12-14	400	0.24	25
BORDENTOWN RANGE	15.6	18.8	21.2	16.5	12-14	300	0.65	25
DUCK ISLAND RANGE	11.1	17.4	17.5	16.3	12-14	300	1.25	25
PERRIWIG CHANNEL	12.9	20.5	23.4	23.0	5-14	400	0.24	25
BILES ISLAND CHANNEL	23.5	29.4	25.5	17.3	5-14	300	0.38	25
COCHRAN CHANNEL	29.5	29.4	25.5	17.3	5-14	300	0.31	25
MOON CHANNEL	7.2	12.1	11.6	11.5	5-14	500	0.39	25
TRENTON CHANNEL								
SOUTH REACH		9.8	9.8		5-14	200	0.49	12
NORTH REACH		6.5	A 6.5		5-14	200-300	0.58	12

AUXILLARY CHANNEL EAST OF BURLINGTON ISLAND

RANGE I	14.9	13.1	11.0	5-14	200	0.28	20
RANGE S	9.4	12.2	13.2	5-14	200	0.25	20
RANGE L	6.3	12.6	17.3	5-14	200	0.10	20
RANGE A	0.1	9.1	19.7	5-14	200	0.19	20
RANGE N	3.8	10.5	22.2	5-14	200	0.12	20
RANGE D	7.5	13.2	19.2	5-14	200	0.09	20
IN FRONT OF TURNING BASIN	8.5	12.7	17.3	9-11	200	0.18	20

A. EXCEPT FOR A 5 FOOT ROCK LOCATED AT 40°12'25.9"N, 74°45'57.2"W.
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

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	1990-2010	NOS Surveys	full bottom coverage
B2	1970-1989	NOS Surveys	partial bottom coverage
B5	Pre-1900	NOS Surveys	partial bottom coverage

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.

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).

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

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 0.399" northward and 1.401" eastward to agree with this chart.

TIDAL INFORMATION

PLACE NAME	(LAT/LONG)	Mean Higher High Water (feet)	Mean High Water (feet)	Mean Low Water (feet)
		Height referred to datum of soundings (MLLW)		
Bridgeboro	(40°02'N/74°56'W)	6.9	6.5	0.2
Burlington	(40°05'N/74°52'W)	7.8	7.5	0.2
Trenton	(40°11'N/74°45'W)	8.7	8.4	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.

(Apr 2012)

HEIGHTS

Heights in feet above Mean High Water.

AIDS TO NAVIGATION

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

SUPPLEMENTAL INFORMATION

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

CAUTION

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

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.

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.

Formerly C&GS 296, 1st Ed., Apr. 1914 G-1953-844 KAPP 672

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.

33rd Ed., Jun. 2012. Last Correction: 10/7/2016. Cleared through:
LNM: 4816 (11/29/2016), NM: 5016 (12/10/2016)

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.

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

This chart was distributed as a PDF (Portable Document Format). Printing PDFs may alter the chart scale, color, or legibility that may impact suitability for navigation. Printed charts provided by NOAA certified Print on Demand (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

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