



1. THIS SURVEY MEETS STANDARDS AS OUTLINED IN CORPS OF ENGINEERS' HYDROGRAPHIC SURVEY MANUAL EM1110-2-1003, DATED NOVEMBER 30, 2013 FOR NAVIGATION AND DREDGING SUPPORT SURVEYS.

2. HORIZONTAL REFERENCE - NAD 83, MARYLAND STATE PLANE, ZONE 1900, U.S. FOOT.

3. VERTICAL REFERENCE - MEAN LOWER LOW WATER, WHICH IS BELOW 3.00' N.A.V.D. 88.

4. GEOID 18 AND NOAA TIDAL EPOCH: 1983 - 2001 WERE USED. SOUNDINGS ARE EXPRESSED IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.

5. SOUNDINGS WERE SELECTED FOR PLOTTING PURPOSES ONLY. USING THE MINIMUM DEPTH WITHIN A 30'X30' CELL SHIFTED TO THE CELL CENTER.
6. CONTOURS DEPICT ACTUAL LOCATION OF BATHYMETRY AND DO NOT NECESSARILY REFLECT PLOTTED SOUNDING LOCATIONS.

7. CONTOURS WERE GENERATED USING THE MINIMUM DEPTH WITHIN A 3'X3' CELL.

8. HYPACK, INC. SOFTWARE WAS USED TO PERFORM THE SOUNDING SELECTION AND CONTOUR GENERATION.

9. THE INFORMATION DEPICTED ON THIS MAP REPRESENT THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.
10. THE POSITIONS OF THE AIDS TO NAVIGATION ARE PROVIDED FOR INFORMATION ONLY, AND SHOULD NOT BE USED FOR NAVIGATION.

11. THE LIMITS OF THE FEDERAL CHANNEL DEPICT THE MOST CURRENT CHANNEL FRAMEWORK AVAILABLE WHICH CAN ALSO BE DOWNLOADED HERE:
<http://navigation.usace.army.mil/Survey/Framework>

12. BASE MAPPING LINEWORK OR ORTHOPHOTOGRAPHY HAS BEEN COMPILED FROM A VARIETY OF SOURCES AND DATES AND IS INTENDED TO PORTRAY GENERAL CHARACTERISTICS OF THE SHORELINE AND OTHER FEATURES. TEMPORAL CHANGES MAY HAVE OCCURRED SINCE THIS DATA SET WAS COLLECTED AND SOME PARTS OF THE DATA MAY NO LONGER BE AN ACCURATE REPRESENTATION OF THE SURFACE CONDITIONS.

Scale in Feet

2000200400600

Legend

Shoalest Sounding per Quarter

CenterLine

ToeLine

StationLine

QuarterLine

45 - 53.953

44 - 45

43 - 44

42 - 43

41 - 42

40 - 41

26.9 - 40

US Army Corps of Engineers

District: DISTRICT

DELaware RIVER, PHILADELPHIA TO THE SEA

CHESTER RANGE

EXAMINATION

STA. 104+545.61 to STA.115+620.01

E-PS-334

DISCLAIMER

The data is provided for general information only. It is not intended for use in any legal proceeding. The data is provided "as is" and the government makes no representation or warranty of merchantability, fitness for a particular purpose, or non-infringement. The data is provided for informational purposes only and should not be used for navigation. The data is provided for informational purposes only and should not be used for navigation. The data is provided for informational purposes only and should not be used for navigation.

Surveyed By: PHILADELPHIA DISTRICT

Plotted By: E. Anthony

Checked By: Chief Survey Section

STA. 104+546 to STA. 108+500 -- 26 NOV 24

STA. 108+500 to STA. 115+620 -- 25 NOV 24