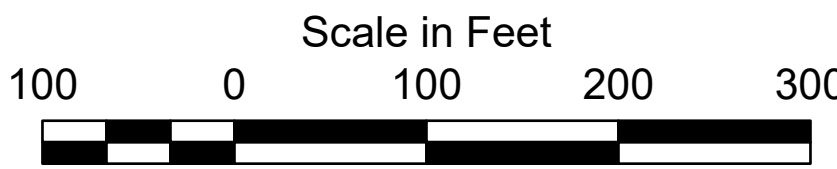


1. THIS SURVEY MEETS STANDARDS AS OUTLINED IN CORPS OF ENGINEERS' HYDROGRAPHIC SURVEY MANUAL EM1110-2-1003, DATED NOVEMBER 30, 2013 FOR NAVIGATION AND DREDGING SUPPORT SURVEYS.
2. HORIZONTAL REFERENCE - NAD 83, NEW JERSEY STATE PLANE, ZONE 2900, U.S. FOOT.
3. VERTICAL REFERENCE - MEAN LOWER LOW WATER, WHICH IS 3.55' BELOW N.A.V.D. 88.
4. GEOID 12B AND NOAA TIDAL EPOCH: 1983 - 2001 WERE USED. SOUNDINGS ARE EXPRESSED IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.

5. CONTOURS WERE GENERATED USING THE MINIMUM DEPTH WITHIN A 15'X15' CELL. CONTOURS DEPICT ACTUAL LOCATION OF BATHYMETRY AND DO NOT NECESSARILY REFLECT PLOTTED SOUNDING LOCATIONS
6. SOUNDINGS WERE SELECTED FOR PLOTTING PURPOSES ONLY, USING THE MINIMUM DEPTH WITHIN A 15'X15' CELL SHIFTED TO THE CELL CENTER.
7. 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.

8. THE POSITIONS OF THE AIDS TO NAVIGATION ARE PROVIDED FOR INFORMATION ONLY, AND SHOULD NOT BE USED FOR NAVIGATION.
9. 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>

10. 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.



- Shoalest Sounding
- CenterLine
- ToeLine
- StationLine
- 42.21 - 50.66
- 39.00 - 40.00
- 38.00 - 39.00
- 37.00 - 38.00
- 36.00 - 37.00
- 35.00 - 36.00
- 1.48 - 35.00



STA. 0+000 to STA. 2+500 -- 05 FEB 25

THIS MAP IS PROVIDED FOR GENERAL INFORMATION ONLY. IT IS NOT TO BE USED FOR NAVIGATION OR FOR ANY OTHER PURPOSE. THE GOVERNMENT MAKES NO WARRANTY, REPRESENTATION, OR GUARANTEE OF THE ACCURACY, COMPLETENESS, OR SUITABILITY OF THE INFORMATION FOR ANY PARTICULAR PURPOSE. THE GOVERNMENT DISCLAIMS ANY LIABILITY FOR THE USE OF THE INFORMATION FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS PROVIDED. THE GOVERNMENT MAKES NO WARRANTY, REPRESENTATION, OR GUARANTEE OF THE ACCURACY, COMPLETENESS, OR SUITABILITY OF THE INFORMATION FOR ANY PARTICULAR PURPOSE. THE GOVERNMENT DISCLAIMS ANY LIABILITY FOR THE USE OF THE INFORMATION FOR ANY PURPOSE OTHER THAN THAT FOR WHICH IT WAS PROVIDED.

U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT	
Drawn By:	Surveyed By:
Checked By:	Plotted By:
Field Book:	E. Anthony
Approved:	Chief, Survey Station

DELAWARE RIVER
PHILADELPHIA TO TRENTON
PORT OF BUCKS COUNTY
STA. 0+000 TO STA. 2+500
EXAMINATION

E-PB-24