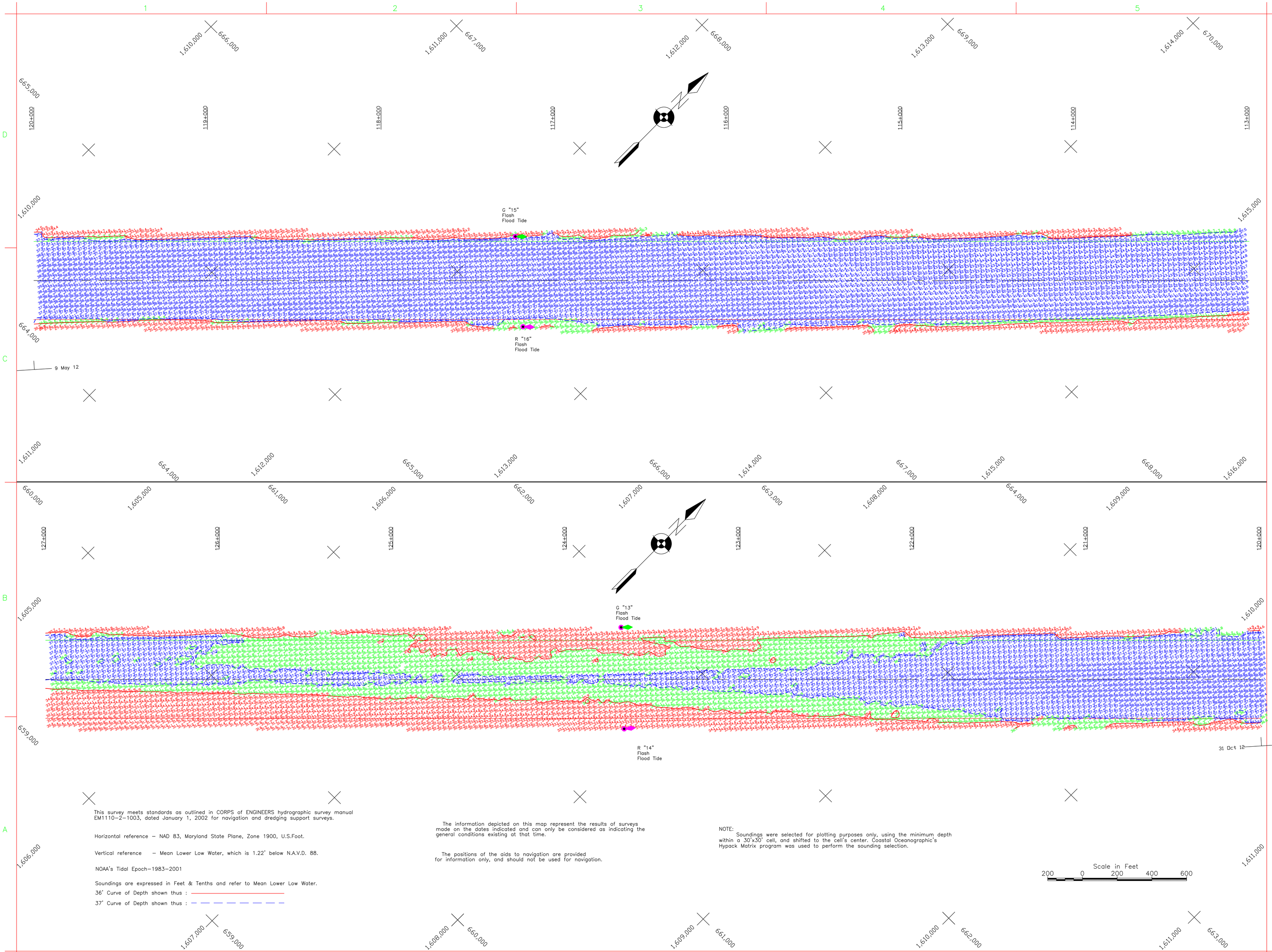


This survey meets standards as outlined in CORPS of ENGINEERS hydrographic survey manual EM1110-2-1003, dated January 1, 2002 for navigation and dredging support surveys.

Horizontal reference – NAD 83, Maryland State Plane, Zone 1900, U.S.Foot.

Vertical reference – Mean Lower Low Water, which is 1.22' below N.A.V.D. 88.

NOAA's Tidal Epoch-1983-2001

Soundings are expressed in Feet & Tenths and refer to Mean Lower Low Water.

36' Curve of Depth shown thus :

37' Curve of Depth shown thus :

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.

The positions of the aids to navigation are provided for information only, and should not be used for navigation.

NOTE:
Soundings were selected for plotting purposes only, using the minimum depth within a 30'x30' cell, and shifted to the cell's center. Coastal Oceanographic's Hypack Matrix program was used to perform the sounding selection.

US Army Corps of Engineers
Philadelphia District

Mark	Description	Date	Appr.

Designed by:
Dwn. by: Cad by: FB DACW31-
Reviewed by:
Submitted by: Chief, Arch. Branch
Date:
Rev.
File name:
Plot date: 3 Nov 12
Plot scale: 1in is 200 ft

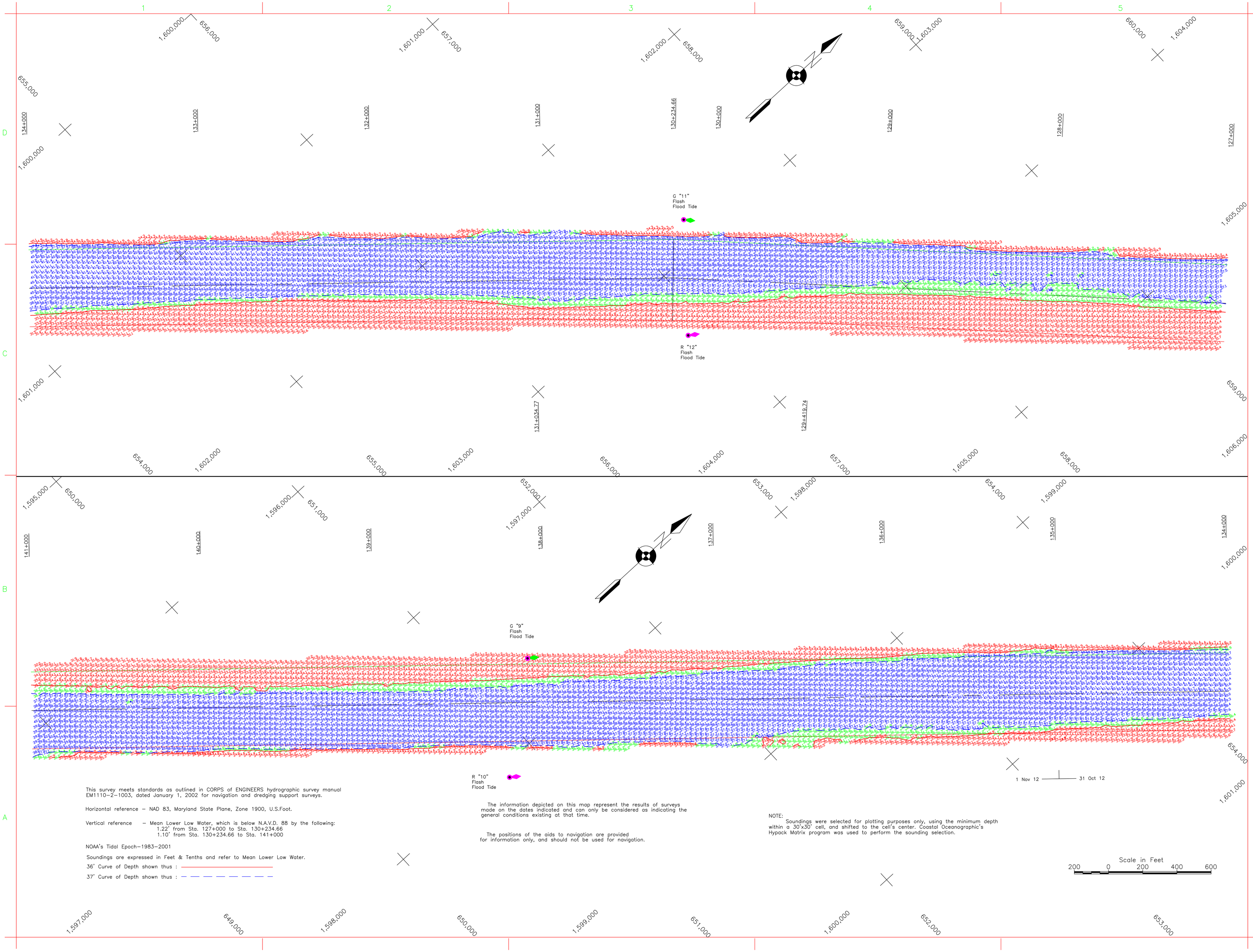
U.S. ARMY ENGINEER DISTRICT, PHILADELPHIA
CORPS OF ENGINEERS
PHILADELPHIA, PENNSYLVANIA

TRACED BY J.A.Grach
PLOTTED BY W.Miller
DRAWING NO. 63591
SURVEYED BY C.Etschman
DATE SURVEYED As Shown
APPROVED
CHIEF, CADD BRANCH

CHESAPEAKE & DELAWARE CANAL
CHESAPEAKE BAY APPROACH CHANNEL
EXAMINATION
ARNOLD POINT RANGE
STA.113+000 TO STA.127+000

Sheet reference number:

Sheet 3 of 12



This survey meets standards as outlined in CORPS of ENGINEERS hydrographic survey manual EM1110-2-1003, dated January 1, 2002 for navigation and dredging support surveys.

Horizontal reference – NAD 83, Maryland State Plane, Zone 1900, U.S.Foot.

Vertical reference – Mean Lower Low Water, which is below N.A.V.D. 88 by the following:
1.22' from Sta. 127+000 to Sta. 130+234.66
1.10' from Sta. 130+234.66 to Sta. 141+000

NOAA's Tidal Epoch-1983-2001

Soundings are expressed in Feet & Tenths and refer to Mean Lower Low Water.

36' Curve of Depth shown thus :

37' Curve of Depth shown thus :

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.

The positions of the aids to navigation are provided for information only, and should not be used for navigation.

NOTE:
Soundings were selected for plotting purposes only, using the minimum depth within a 30'x30' cell, and shifted to the cell's center. Coastal Oceanographic's Hypack Matrix program was used to perform the sounding selection.

US Army Corps of Engineers
Philadelphia District

Mark	Description	Date	Appr.

U.S. ARMY ENGINEER DISTRICT, PHILADELPHIA
CORPS OF ENGINEERS
PHILADELPHIA, PENNSYLVANIA

TRACED BY J.A.Groch
PLOTTED BY W.Miller
DRAWING NO. 63595
SURVEYED BY C.Eischman
DATE SURVEYED Aug Shown
APPROVED

Designed by:
Dwn by:
Ckd by:
Reviewed by:
Submitted by: Chief, Arch. Branch
Date:
Rev.
IFB DACW31-
Drawing code:
File name:
Plot date: 3 Nov 12
Plot scale: 1in to 200 ft

CHESAPEAKE & DELAWARE CANAL
CHESAPEAKE BAY APPROACH CHANNEL
EXAMINATION

ARNOLD PT. AND GROVE NECK RANGES
STA.127+000 TO STA.141+000

Sheet reference number:

Sheet 4 of 12