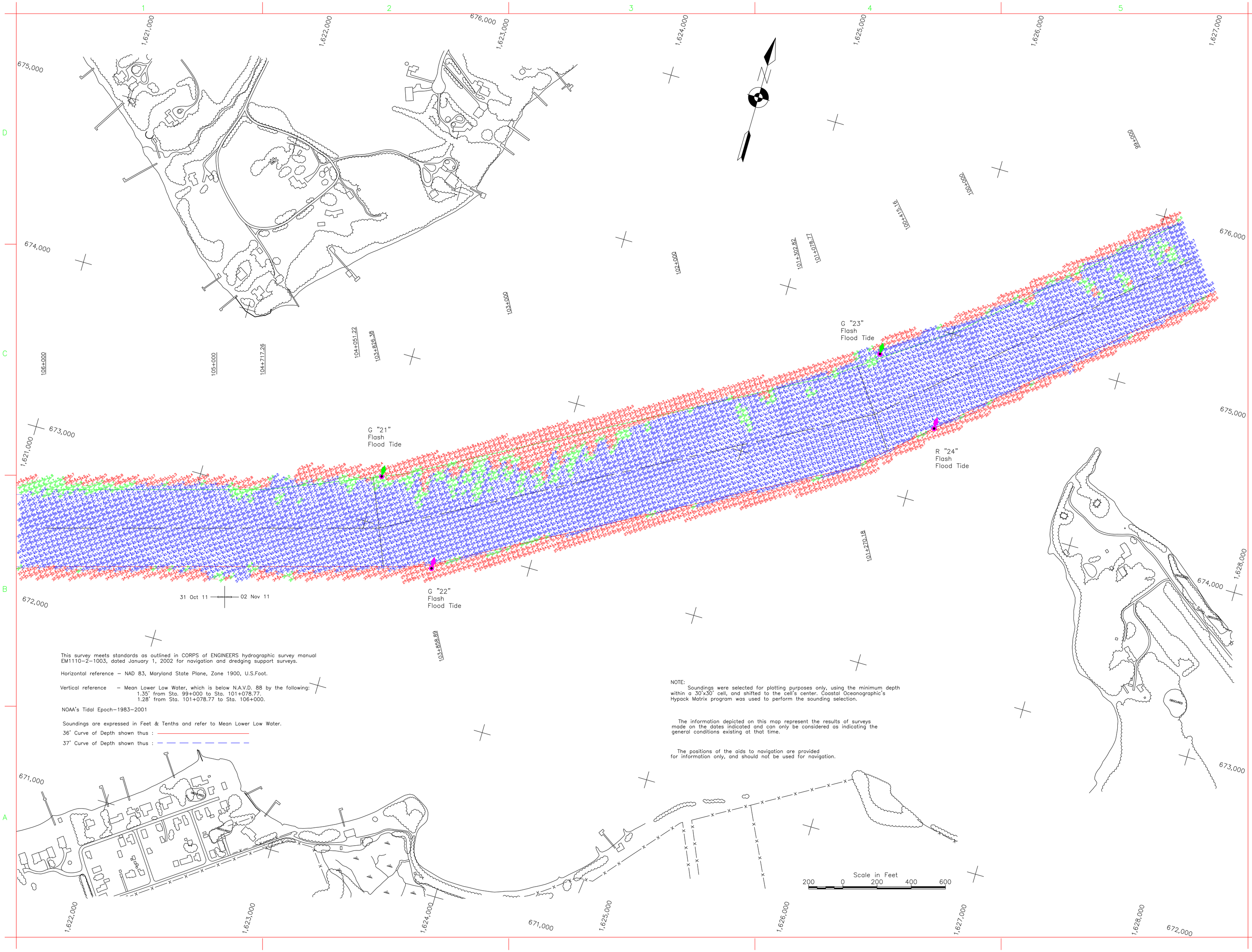


This survey meets standards as outlined in CORPS of ENGINEERS hydrographic survey manual EM1110-2-1003, dated January 1, 2002 for navigation and dredging support surveys.

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:
1.35' from Sta. 99+000 to Sta. 101+078.77.
1.28' from Sta. 101+078.77 to Sta. 106+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 :

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.

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.

US Army Corps of Engineers
Philadelphia District

Mark	Description	Date	Appr.

Designed by:		Date:	Rev.
Dwn by:	Ckd by:	IFB DACW61-	
Reviewed by:		Drawing code:	
Submitted by:		File name: Plot date: 19 Jul 12 Plot scale: 1in. to 200 ft.	
Chief, Arch. Branch			

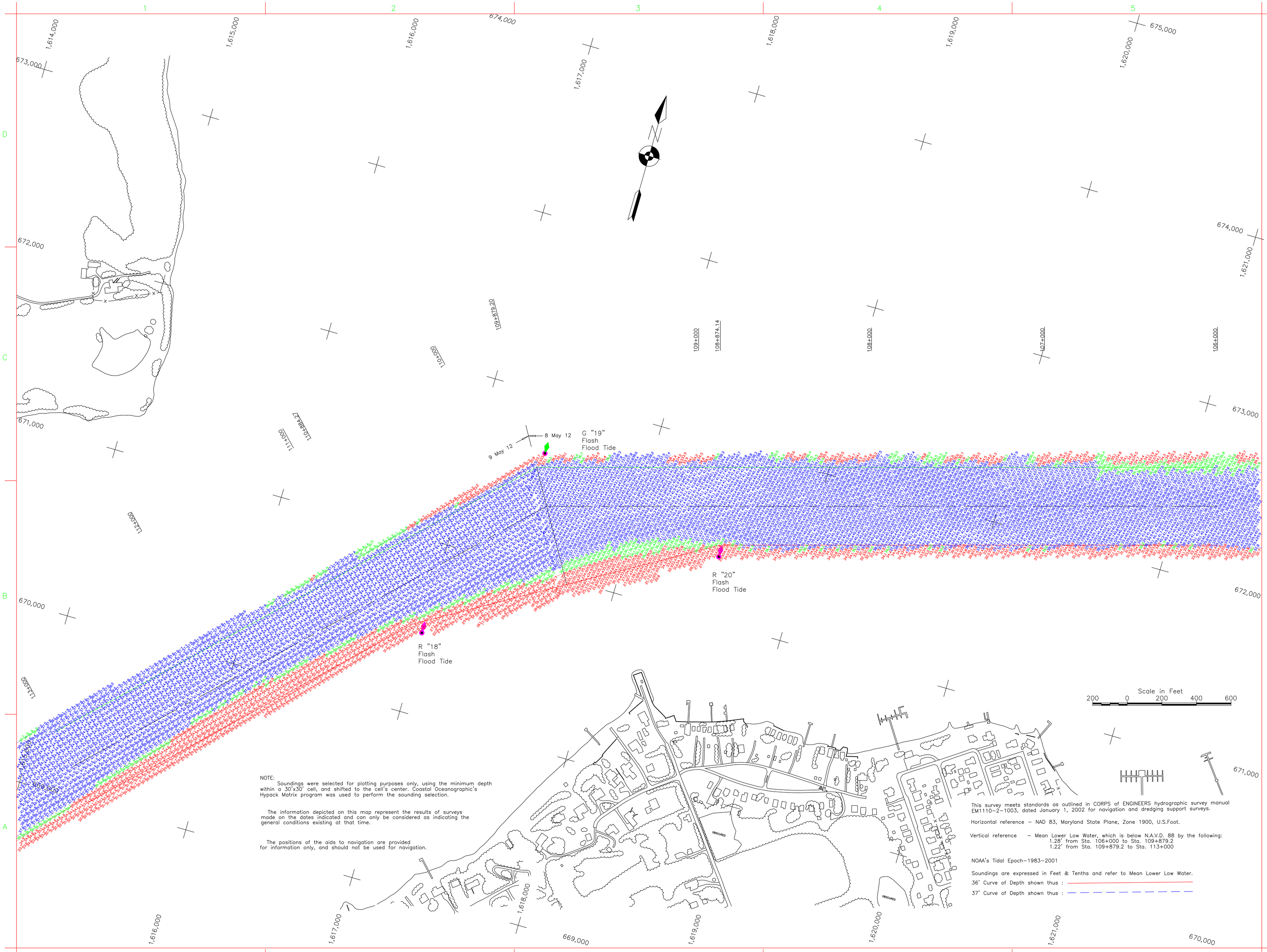
U.S. ARMY ENGINEER DISTRICT, PHILADELPHIA
CORPS OF ENGINEERS
PHILADELPHIA, PENNSYLVANIA

TRACED BY J.A.Grach	PLOTTED BY W.Miller	DRAWING NO. 63439	
SURVEYED BY J.Gray	DATE SURVEYED 8 May 12	APPROVED	CHIEF, SURV. BRANCH

CHESAPEAKE & DELAWARE CANAL
CHESAPEAKE BAY APPROACH CHANNEL
EXAMINATION
W-2, OLDFIELD PT., TOWN PT. RANGES
STA.99+000 TO STA.106+000

Sheet reference number:

Sheet 1 of 12



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.

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.

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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:
1.28' from Sta. 106+000 to Sta. 109+879.2
1.22' from Sta. 109+879.2 to Sta. 113+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 :

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. 63440	
SURVEYED BY J.Gray	DATE SURVEYED As Shown	APPROVED	

Designed by: | Date: | Rev.
Dwn by: | Ckd by: | IFB DACW61-
Reviewed by: | Drawing code:
Submitted by: | File name: | Plot date: 19 Jul 12 | Plot scale: 1in to 200 ft
Chief, Arch. Branch

CHESAPEAKE & DELAWARE CANAL
CHESAPEAKE BAY APPROACH CHANNEL
EXAMINATION
TOWN PTOINT AND ARNOLD POINT RANGES
STA.106+000 TO STA.113+000

Sheet reference number:

Sheet 2 of 12