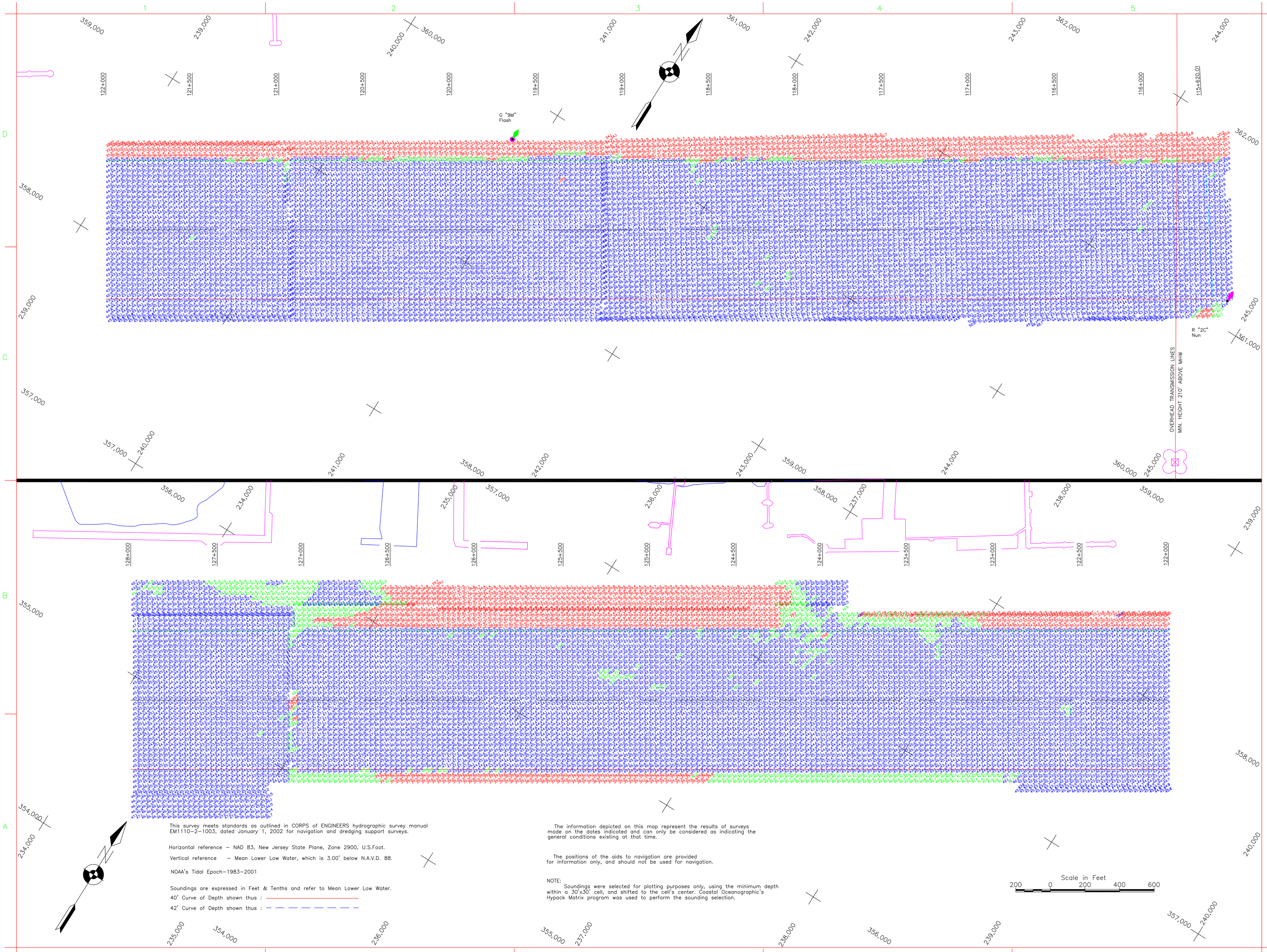


This survey meets standards as outlined in CORPS of ENGINEERS hydrographic survey manual EM1110-2-1003, dated January 1, 2002 for navigation and dredging support surveys.

Horizontal reference – NAD 83, New Jersey State Plane, Zone 2900, U.S.Foot.

Vertical reference – Mean Lower Low Water, which is 3.00' 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.

40' Curve of Depth shown thus :

42' 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.

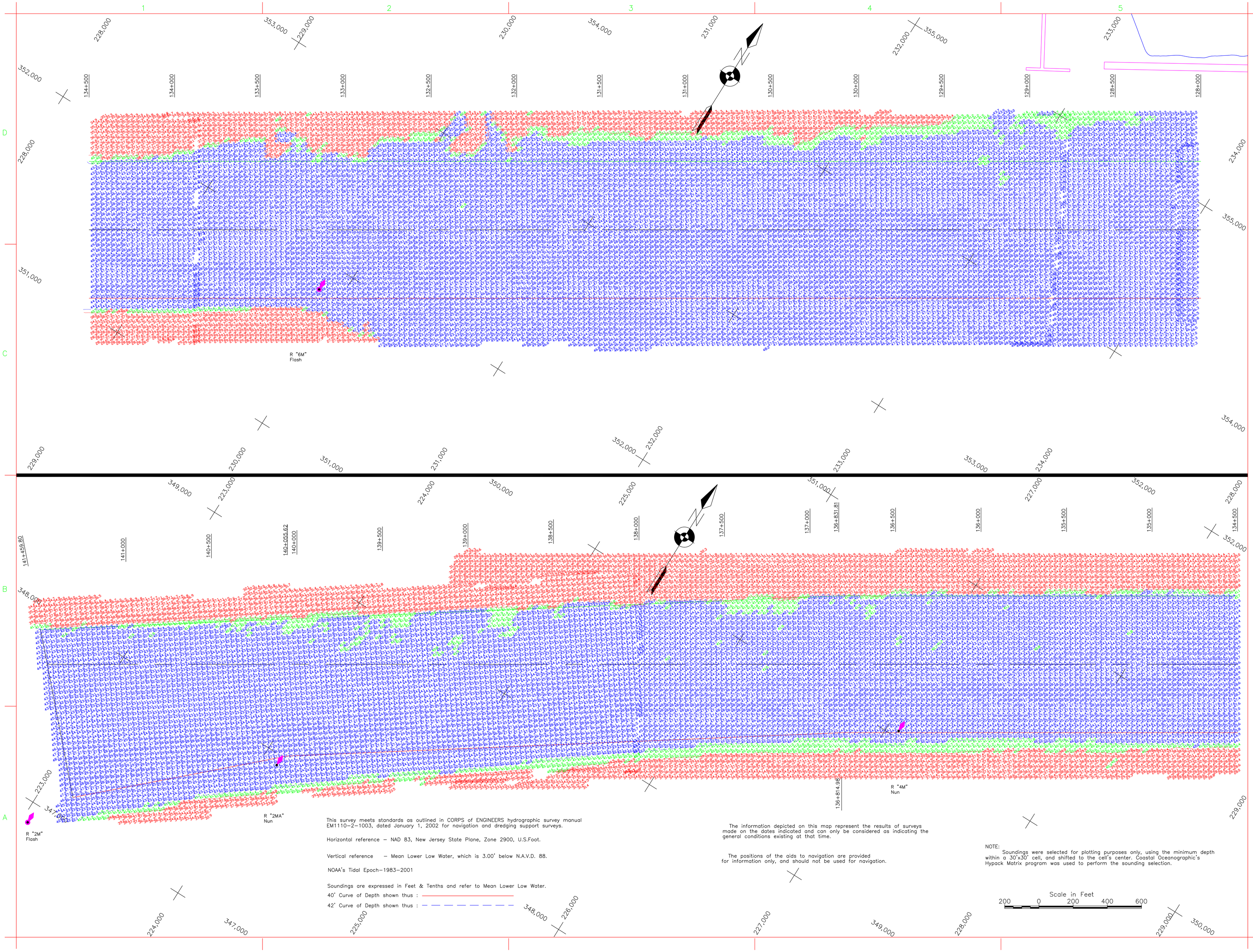
U.S. ARMY ENGINEER DISTRICT, PHILADELPHIA
CORPS OF ENGINEERS
PHILADELPHIA, PENNSYLVANIA

TRACED BY	PLOTTED BY	DRAWING NO.	Designed by:	Date:	Rev.
J.A.Groch	W.Miller	63676	Dwn by:	Ckd by:	IFB DACW61–
SURVEYED BY	DATE SURVEYED	APPROVED	Reviewed by:	Drawing code:	
J.A.Groch	1 Aug 12 Dec 23 Oct 12		Submitted by:	File name:	
			Chief, Arch. Branch	Plot date: 6 Dec 12	
				Plot scale: 1in to 200 ft	

DELAWARE RIVER
PHILADELPHIA TO THE SEA
MARCUS HOOK RANGE
STA.115+620.01 TO STA.128+000
EXAMINATION

Sheet reference number:

Sheet 1 of 2



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Scale in Feet
200 0 200 400 600

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. 63677	
SURVEYED BY G.Griffith	DATE SURVEYED 1 Aug 12 Thru 23 Oct 12	APPROVED	

Designed by: | Date: | Rev.
Dwn by: | Ckd by: | IFB DACW61-
Reviewed by: | Drawing code:
Submitted by: | File name:
Chief, Arch. Branch | Plot date: 6 Dec 12
Plot scale: 1in to 200 ft

DELAWARE RIVER
PHILADELPHIA TO THE SEA
MARCUS HOOK RANGE
STA.128+000 TO SAT.141+459.80
EXAMINATION

Sheet reference number:

Sheet 2 of 2