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 3.08' BELOW NAVD 88
   GEOID 09 AND NOAA TIDAL EPOCH: 1983 – 2001 WERE USED.
4. SOUNDINGS ARE EXPRESSED IN FEET & 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'S 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' X 3' CELL.
   45' CURVE OF DEPTH SHOWN THUS :
   46' CURVE OF DEPTH SHOWN THUS :

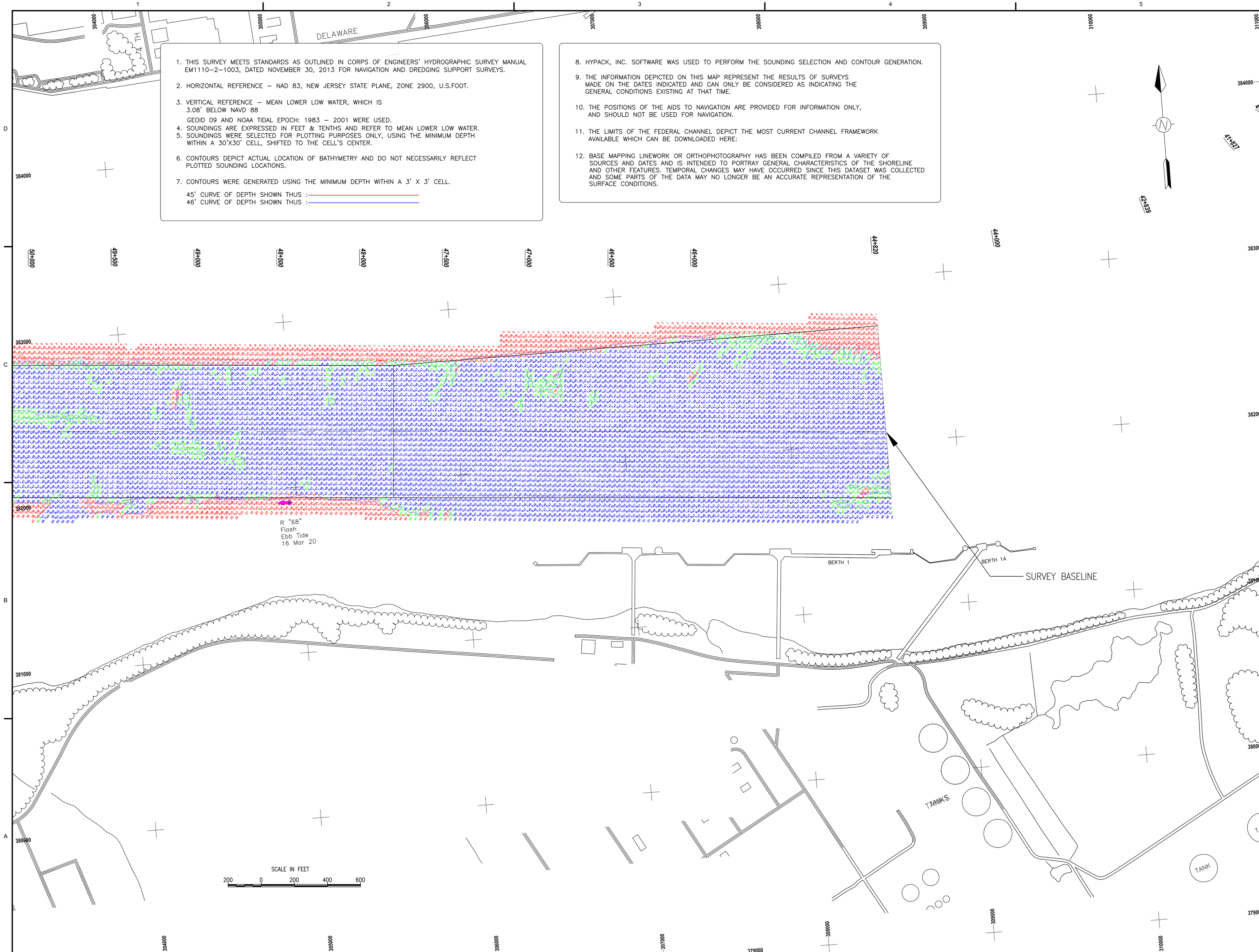
8. HYPACK, INC. SOFTWARE WAS USED TO PERFORM THE SOUNDING SELECTION AND CONTOUR GENERATION.

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 BE DOWNLOADED HERE:

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 DATASET WAS COLLECTED AND SOME PARTS OF THE DATA MAY NO LONGER BE AN ACCURATE REPRESENTATION OF THE SURFACE CONDITIONS.



US Army Corps of Engineers Philadelphia District

MARK	ACTION	DESCRIPTION	DATE	BY

PROCESSED BY: W.Miller
PLOT DATE: 20 Apr 20
REV/SIZE: REV
DWN BY: W.Miller
CKD BY: DWN
PLOT SCALE: 1:1 PDF/ISO_A1_841x594
REVIEWED BY:
APPROVED BY:
SURVEY DATE: 16 Mar 20
VESSEL: Chemeski
PLOTTED BY: W.Miller
DWG SCALE: 1"=300'
FILE NAME: 02V03

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT
PHILADELPHIA, PA 19107-3390
www.nap.usace.army.mil

DELAWARE RIVER
PHILADELPHIA TO THE SEA
EAGLE POINT RANGE
STATION 44+820 TO 50+097

SHEET NUMBER
V-106

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.

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US Army Corps of Engineers
Philadelphia District

MARK	ACTION	DATE	BY

PROCESSED BY: W.Miller	PLOT DATE: 20 Apr 20
DWN BY: DWM	REV:
CKD BY:	DWG OFFSET VARIES: EPSWTRSH1_NOGRIDDOK
REVIEWED BY:	APPROVED BY:
SURVEY DATE: 19 Mar 20	VESSEL: Chemeski
DWG SCALE: 1"=200'	FILE NAME: 55373
PLOTTED BY: W.Miller	

U.S. ARMY CORPS OF ENGINEERS
PHILADELPHIA DISTRICT
PHILADELPHIA, PA 19107-3390
www.nap.usace.army.mil

DELAWARE RIVER
PHILADELPHIA TO THE SEA
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SHEET NUMBER
V-107