

INDEX OF NAVIGATION AIDS			
NO.	DATE	STATE PLANE COORDINATES	GEOGRAPHIC POSITION
GC-33	06/18/09	N 457846.66 E 3052794.90	44° - 05′ - 19.7″N 69° - 47′ - 09.2″W
GC-1	08/13/09	N 457913.92 E 3052491.90	44° - 05' - 20.4"N 69° - 47' - 13.4"W
RN-2	08/13/09	N 458136.58 E 3052476.11	44° - 05' - 22.6"N 69° - 47' - 13.6"W
GC-3	08/13/09	N 457908.06 E 3051958.36	44° - 05' - 20.4"N 69° - 47' - 20.7"W
RN-4	08/13/09	N 458156.08 E 3051759.13	44° - 05' - 22.8"N 69° - 47' - 23.4"W
GC-5	08/13/09	N 457847.62 E 3051093.68	44° - 05′ - 19.8″N 69° - 47′ - 32.5″W
RN-6	08/13/09	N 458068.61 E 3051053.68	44° - 05′ - 22.0″N 69° - 47′ - 33.1″W

GENERAL NOTES:

I. Soundings are in feet and tenths and refer to the plane of Mean Lower Low Water (MLLW) 1983-2001 Tidal Epoch. 2. Topography shown is from previous surveys and/or NOAA Chart No. 13298. All topography, including shoreline, bridges, piers, etc., is located approximate unless otherwise noted and should be used as a general reference only. 3. Bench Mark Data: Vertical depths were obtained using RTK technology. No tide gauges were used on this project. Station Rich (2009) was established in the vicinity of NOAA BM Station 8417208. The NAVD88 to MLLW correction calculated at this site is 1.90 feet. This correction was used in creating a Hypack Kinematic Tidal Datum (KTD) file for the Kennebec River from Popham Beach to Augusta. This KTD file was used for the Richmond Harbor project. 4. Coordinates shown are based on the Transverse Mercator Grid System for the State of Maine (West Zone 1802) and NAD 1983.

5. The 2009 and 2010 surveys were performed using a Reson 8124 multibeam sonar system running at 200 kHz, while the 2012 survey used a Reson 7125 multibeam sonar system running at 400 kHz. Horizontal positioning and vertical depths were recorded utilizing a Leica 1200 RTK GPS System. Station Rich (2009) was used as the base station. 6. The sounding information shown on these maps represents the SHOALEST soundings of those obtained from hydrographic surveys conducted during October 2009, June thru August 2010 and November 2012.

7. The sounding information depicted on these maps should NOT be used to determine volumes. Volumes are determined from more sounding information than shown. Additional sounding <u>N 440000</u> information is available upon request. 8. The information depicted on these maps represents the

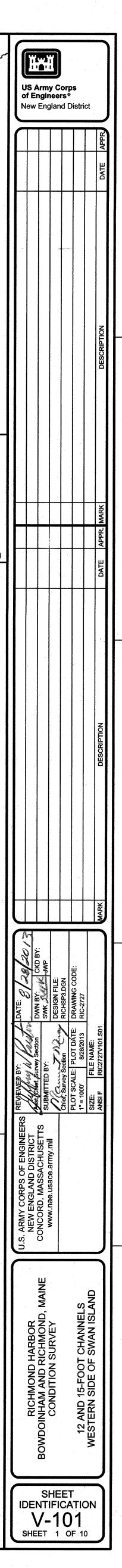
results of surveys made on the dates indicated, and can only be considered as indicating the general conditions existing at that time. 9. Field Book: R&H 4538

12-Foot depth contour shown thus: 15-Foot depth contour shown thus: Surveyed by Jeffrey W. Preston and crew Refer to Survey No. 10-1077

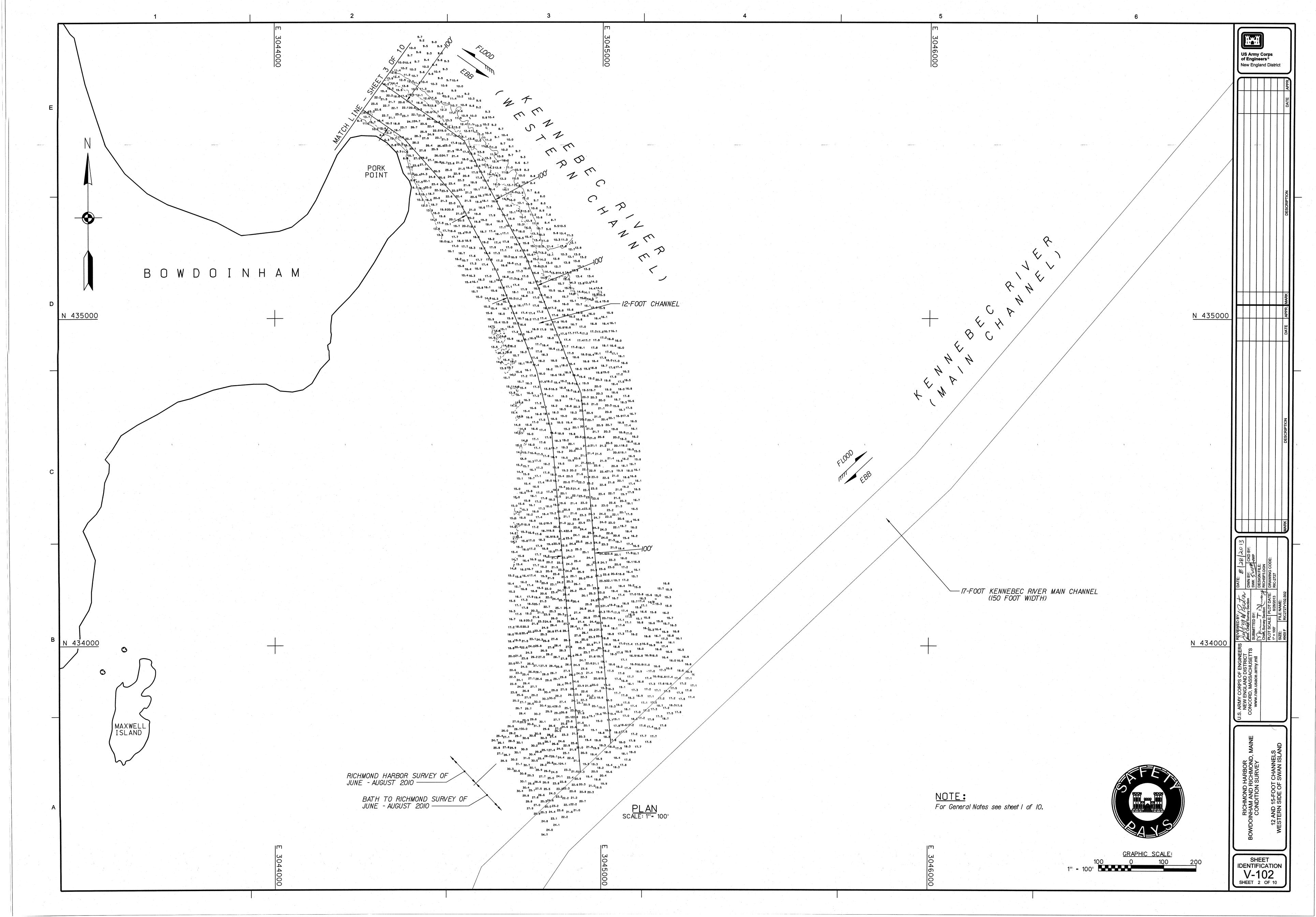


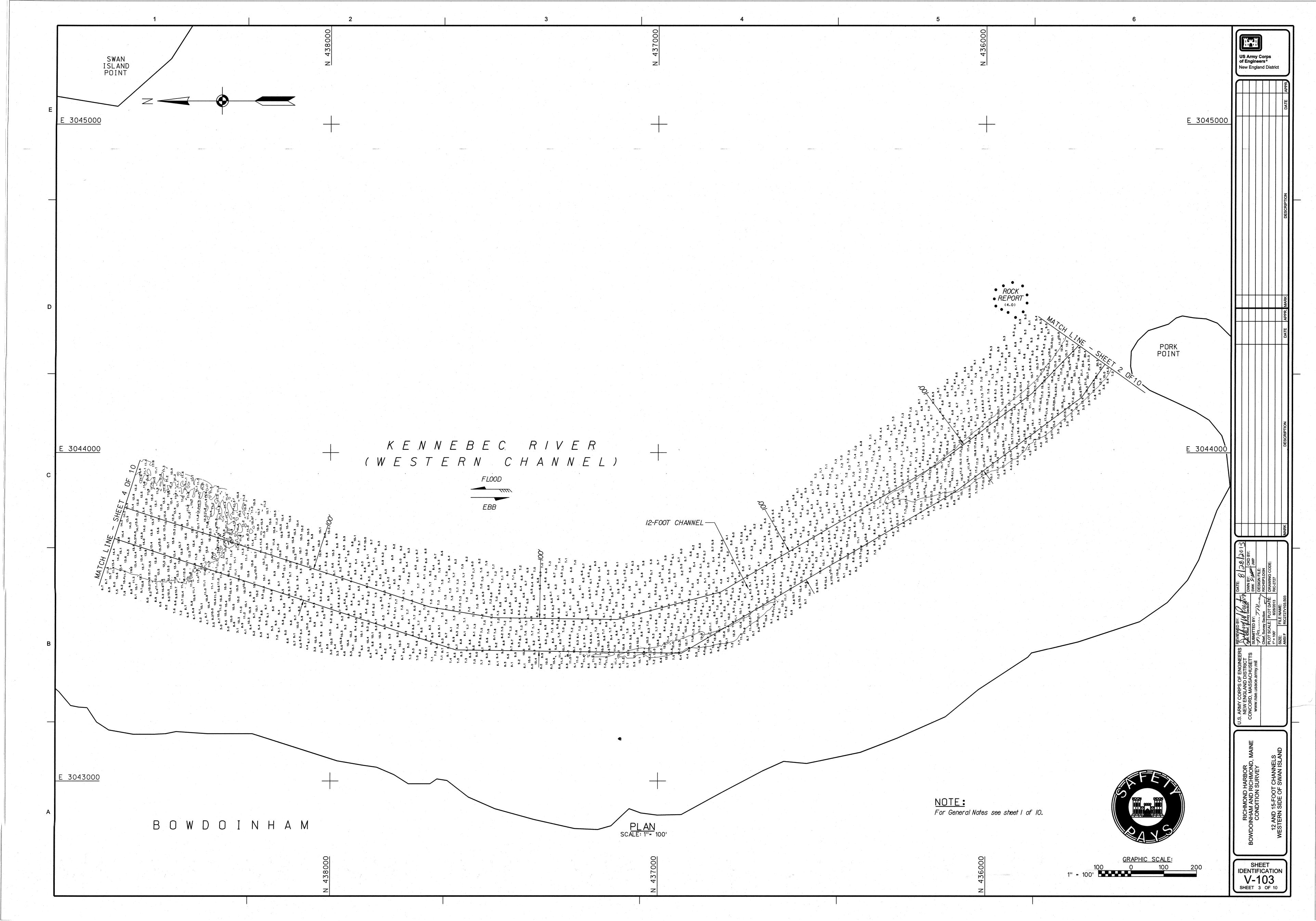
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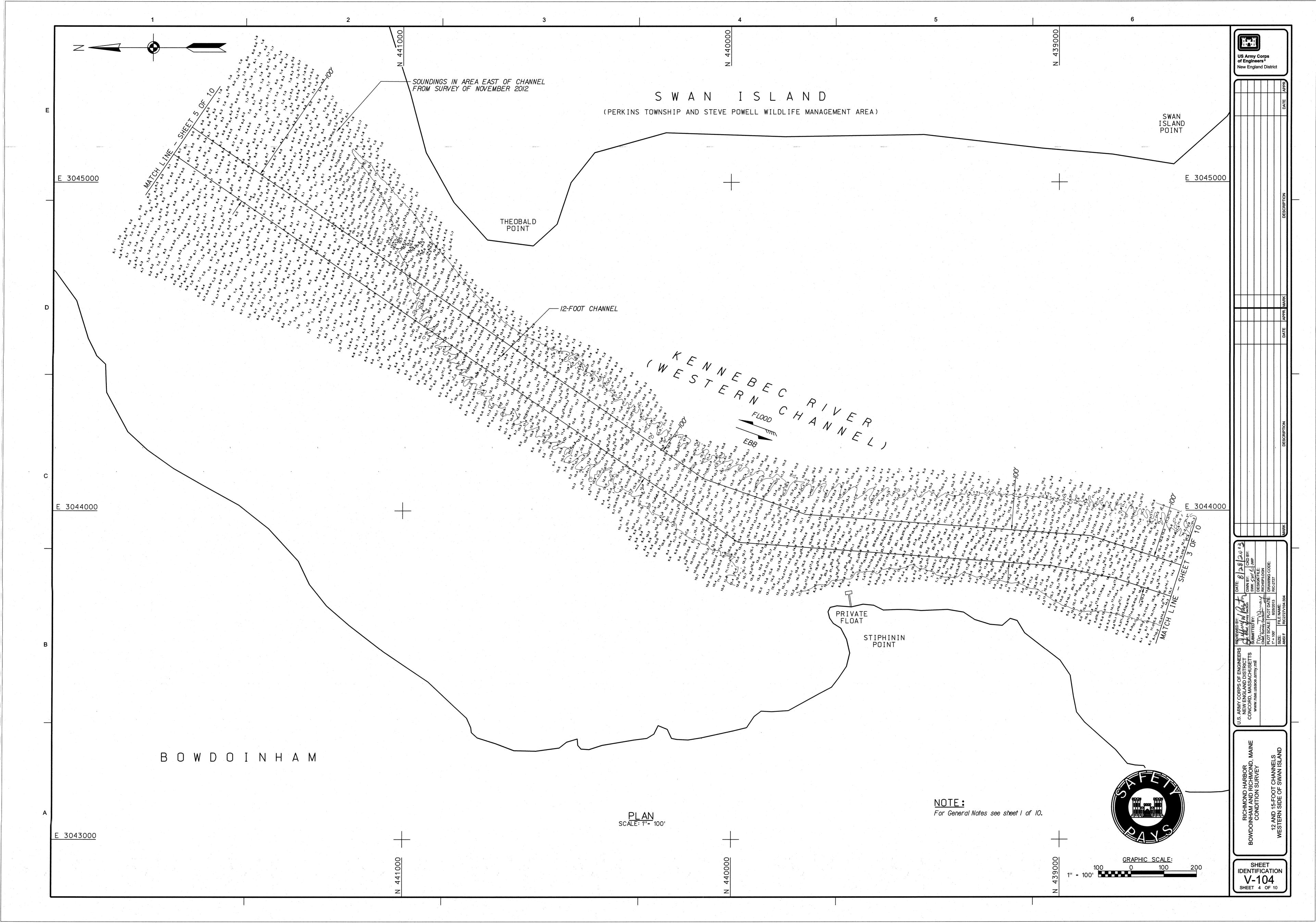
<u>GRAPHIC SCALE:</u> 1000 Q 1000 1'' = 1000'

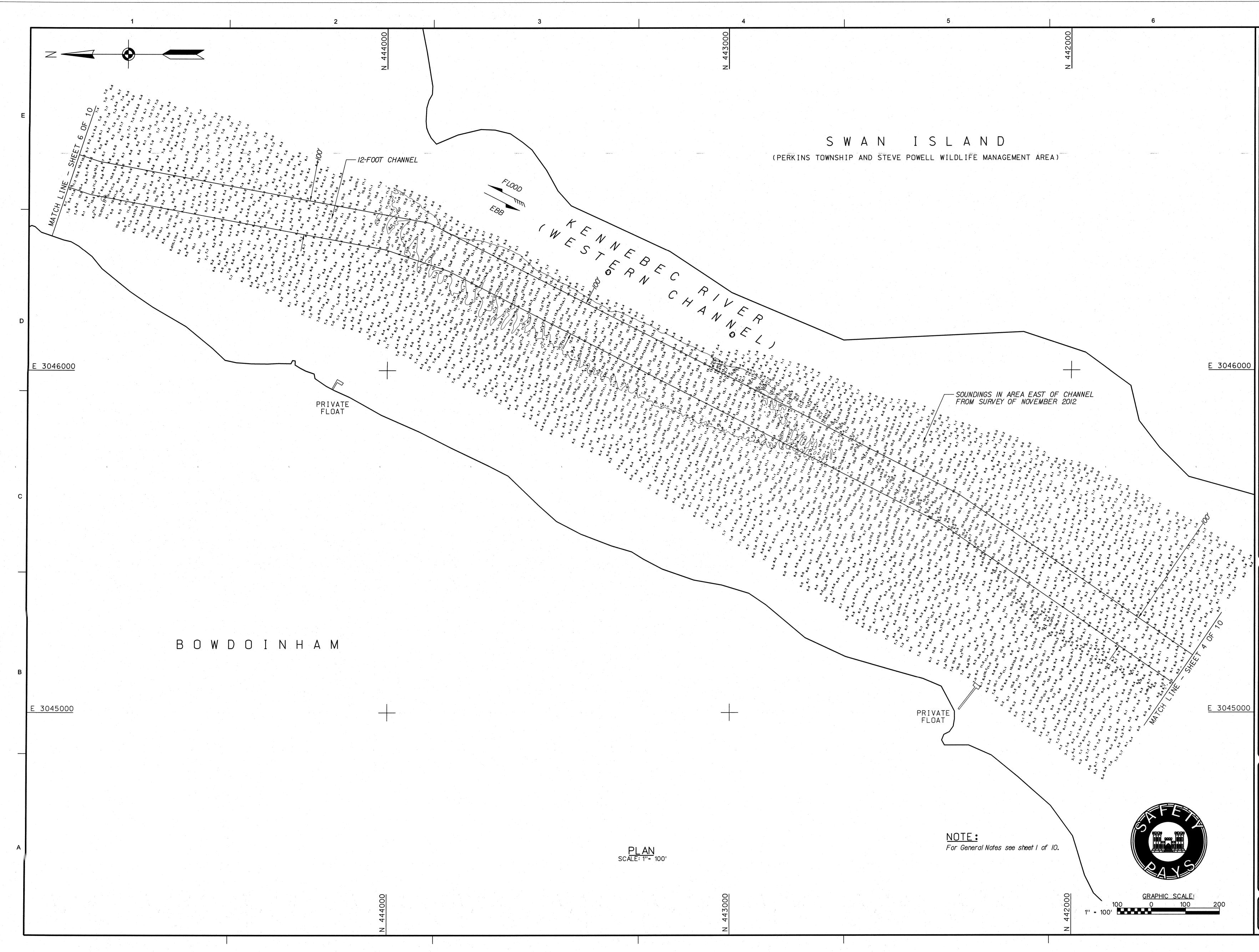


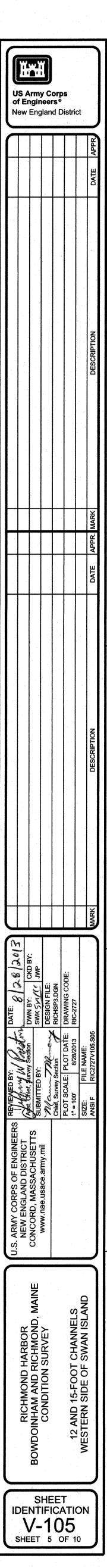
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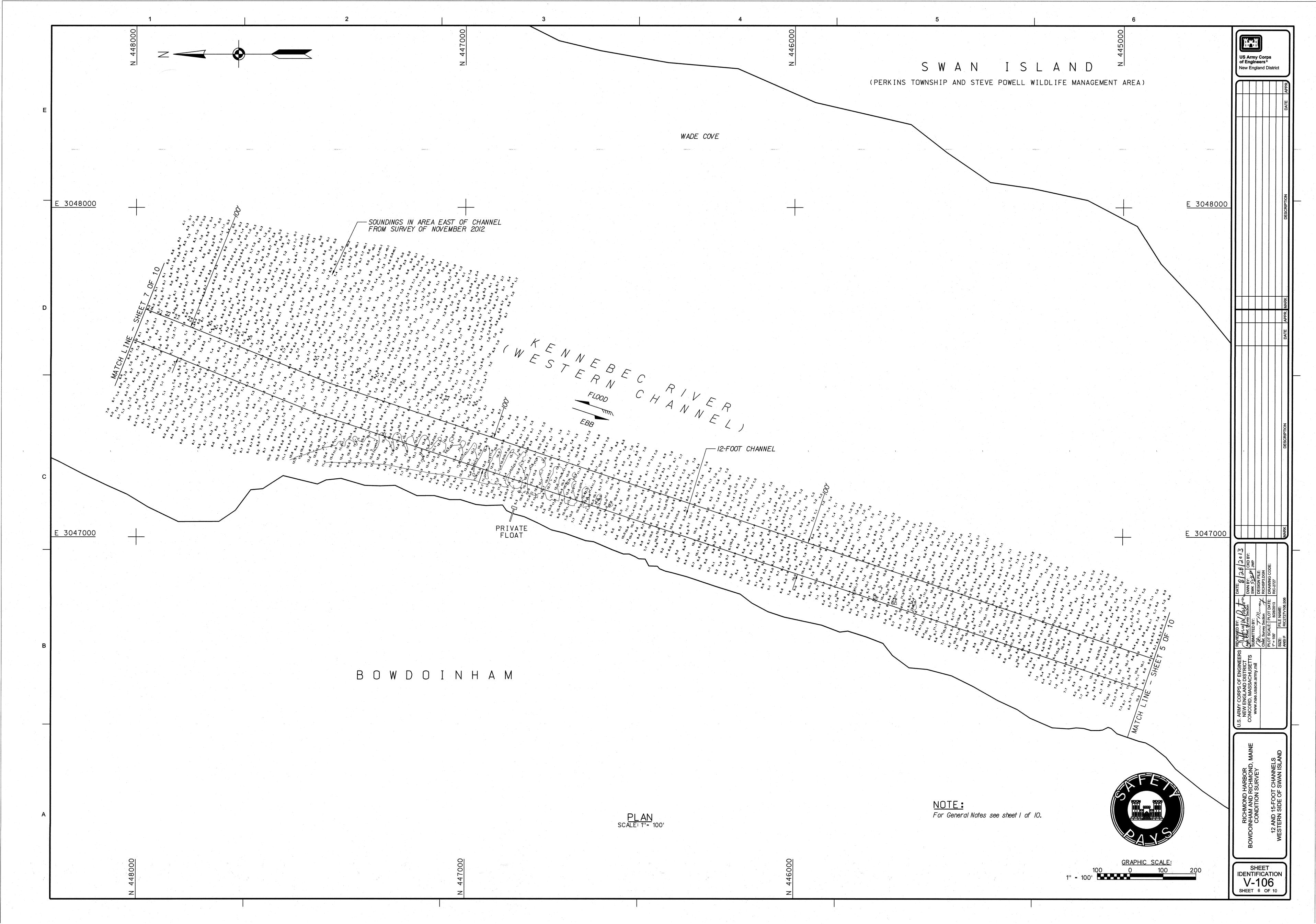


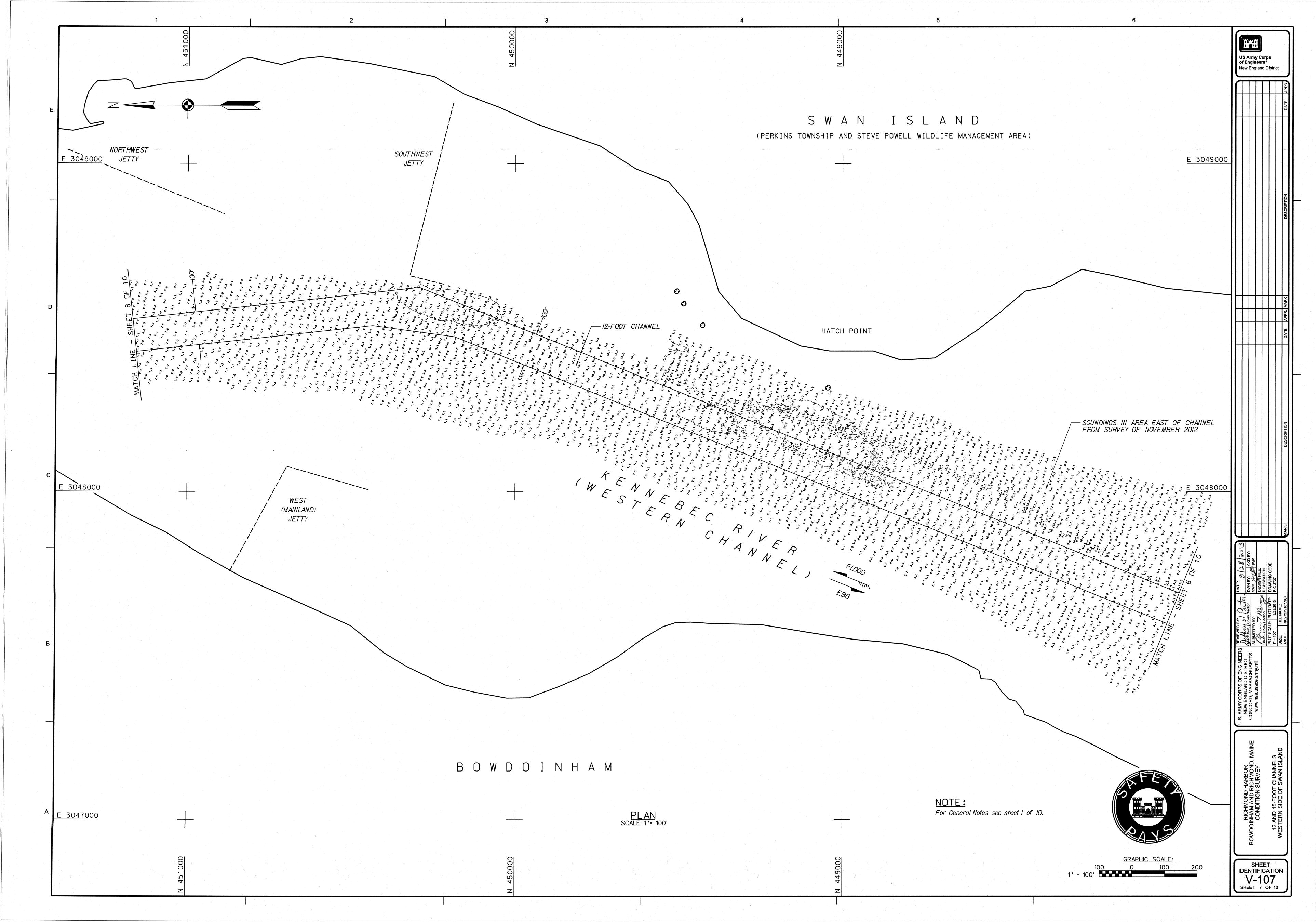


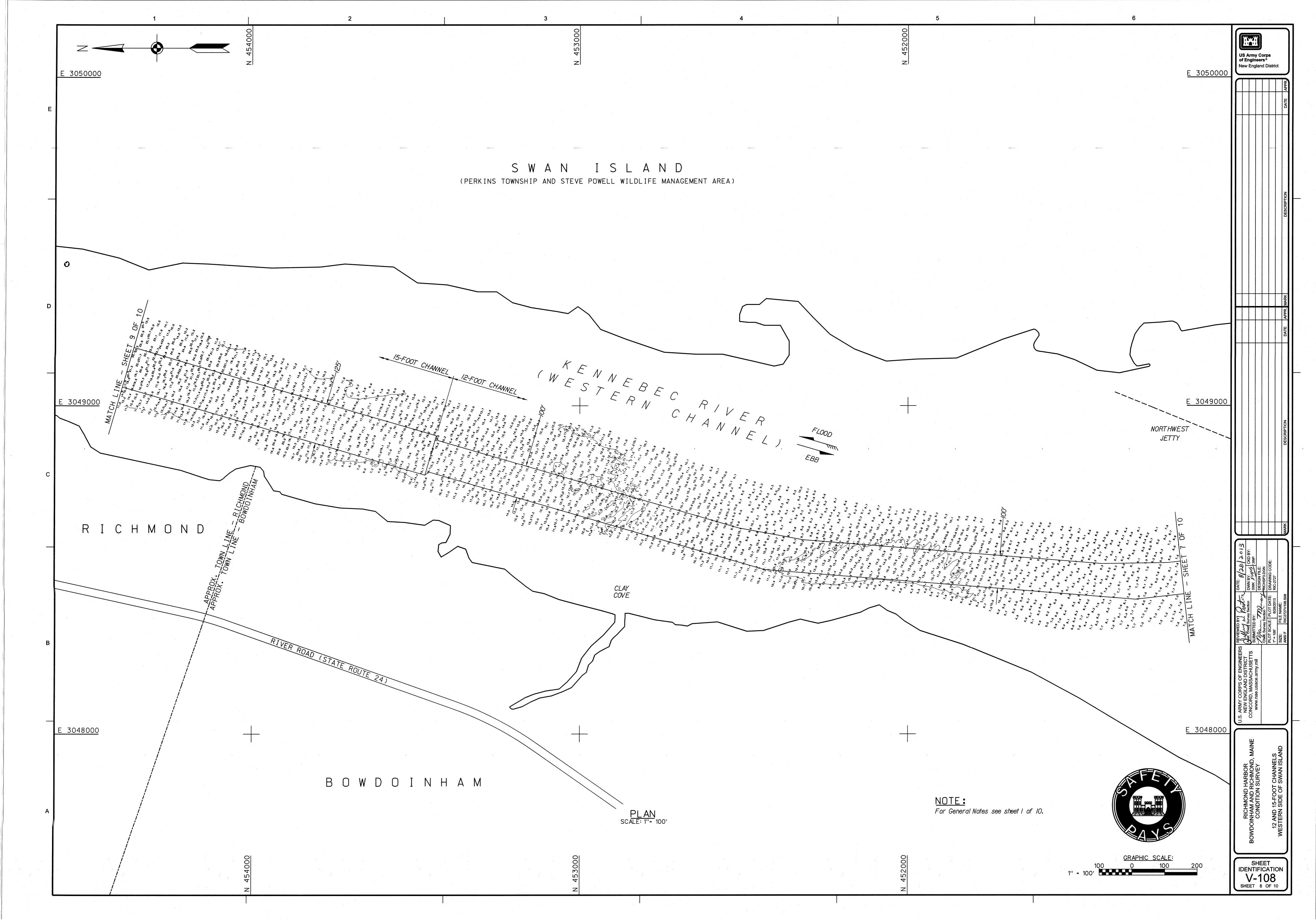


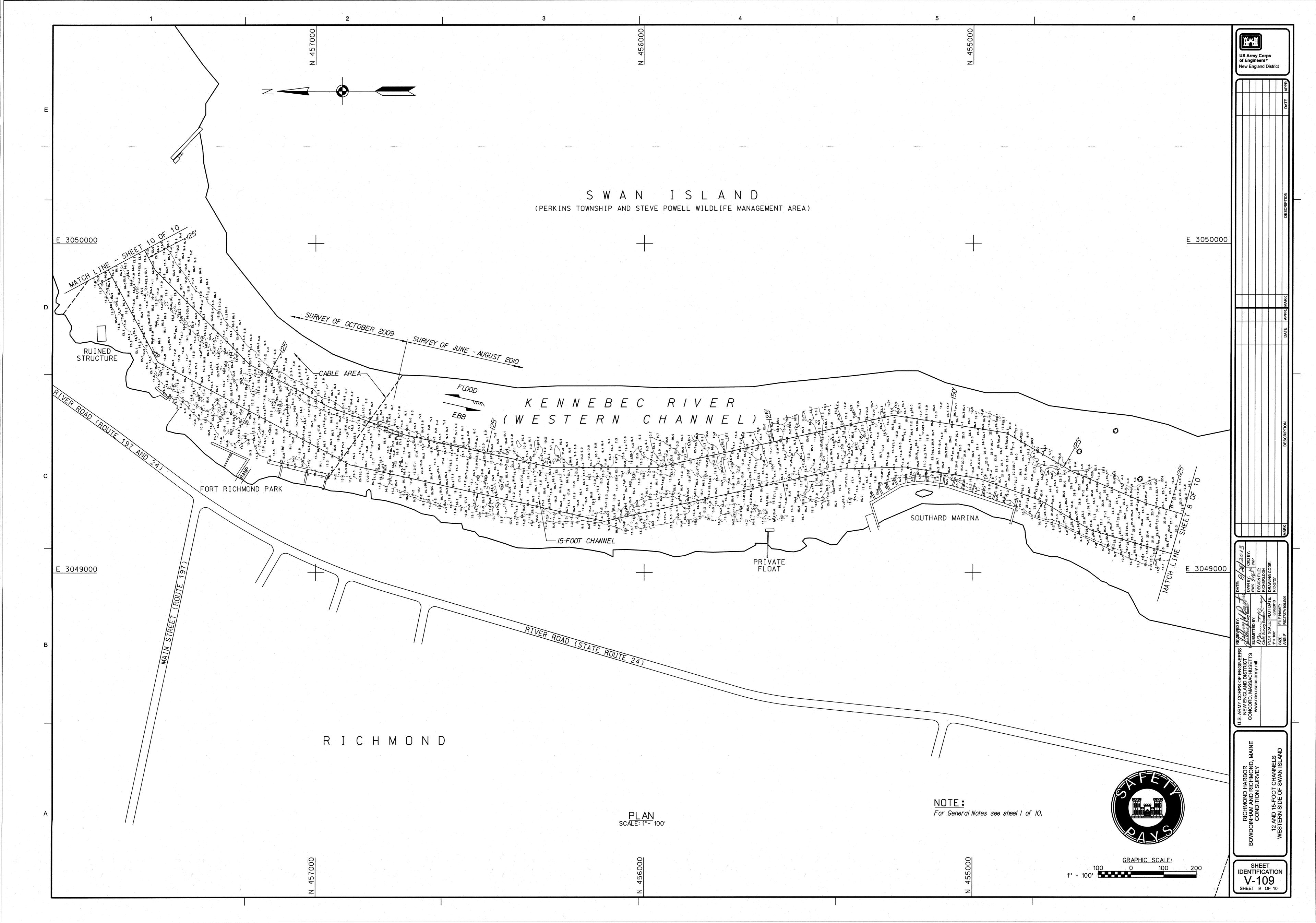


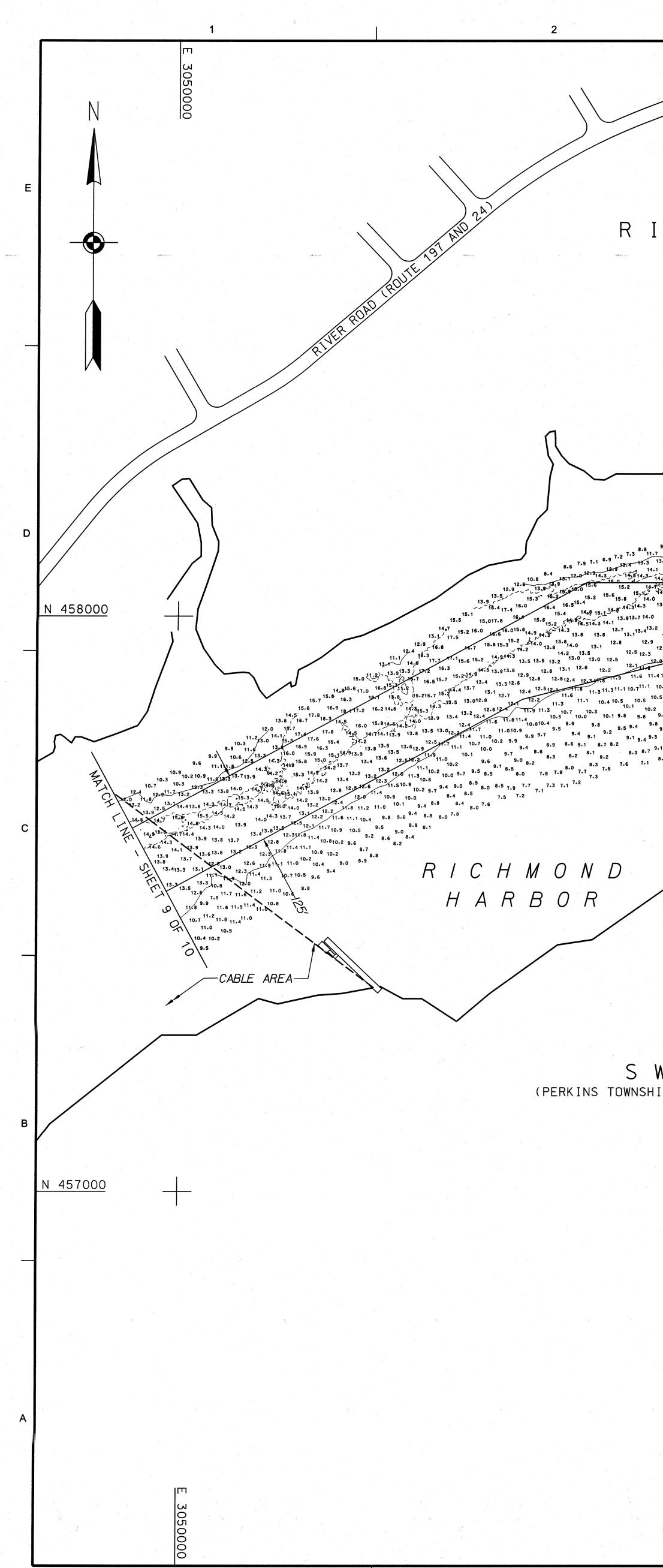












FERRY ROAD (ROUTE 197) R I C H M O N D \bigcirc KENNEBEC RIVER SLAND SWAN (PERKINS TOWNSHIP AND STEVE POWELL WILDLIFE MANAGEMENT AREA) PLAN SCALE: 1"= 100'

