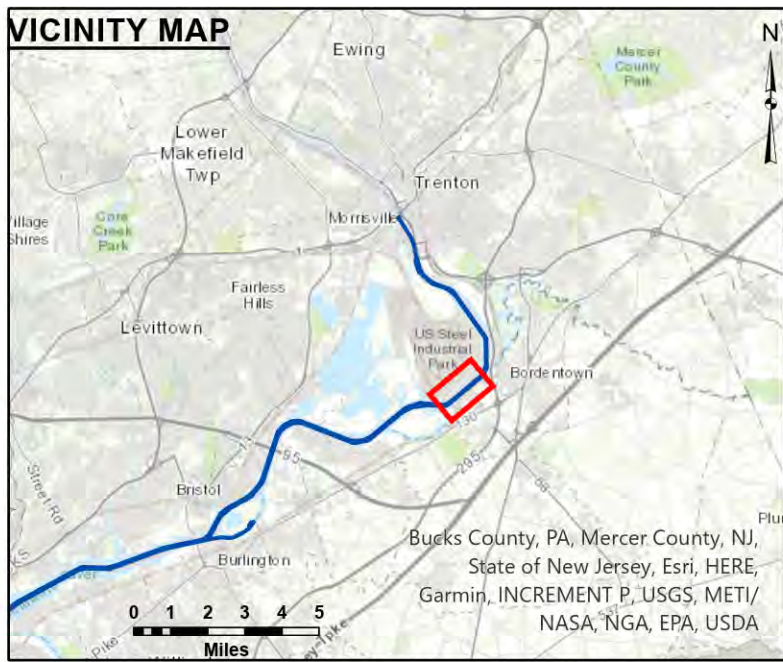
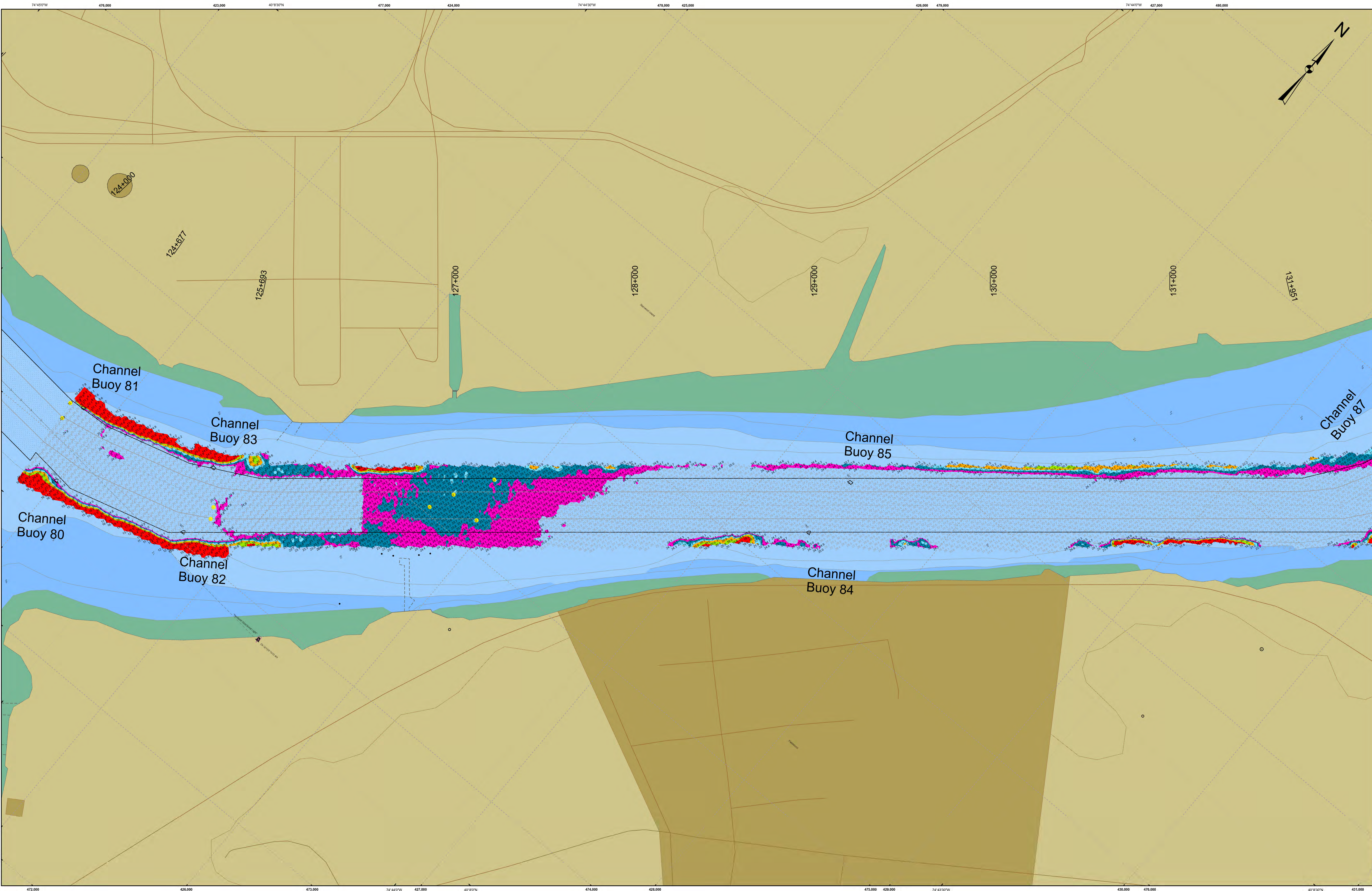


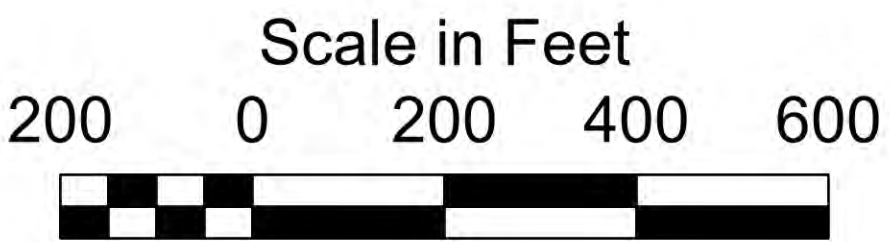


1. THIS SURVEY MEETS STANDARDS AS OUTLINED IN CORPS OF ENGINEERS' HYDROGRAPHIC SURVEY MANUAL EM1110-2-1003, DATED NOVEMBER 30, 2013 FOR NAVIGATION AND DREDGING SUPPORT SURVEYS.
2. HORIZONTAL REFERENCE - NAD 83, NEW JERSEY STATE PLANE, ZONE 2900, U.S. FOOT.
3. VERTICAL REFERENCE – MEAN LOWER LOW WATER, WHICH IS BELOW N.A.V.D. 88 BY THE FOLLOWING:
3.74' from STA. 125+692.79 to STA. 131+951.24
3.75' from STA. 131+951.24 to STA. 133+440.76
3.77' from STA. 133+440.76 to STA. 137+000
3.80' from STA. 137+000 to STA. 143+000
3.83' from STA. 143+000 to STA. 150+669.12
4. GEOID 12B AND NOAA TIDAL EPOCH: 1983 – 2001 WERE USED. SOUNDINGS ARE EXPRESSED IN FEET AND 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 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 15'X15' CELL.
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 ALSO BE DOWNLOADED HERE:
<http://navigation.usace.army.mil/Survey/Framework>

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



- Shoalest Sounding per Quarter
- CenterLine
- ToeLine
- Quarter Line
- Station Line
- 25 - 48.29
- 24 - 25
- 23 - 24
- 22 - 23
- 21 - 22
- 20 - 21
- 3 - 20



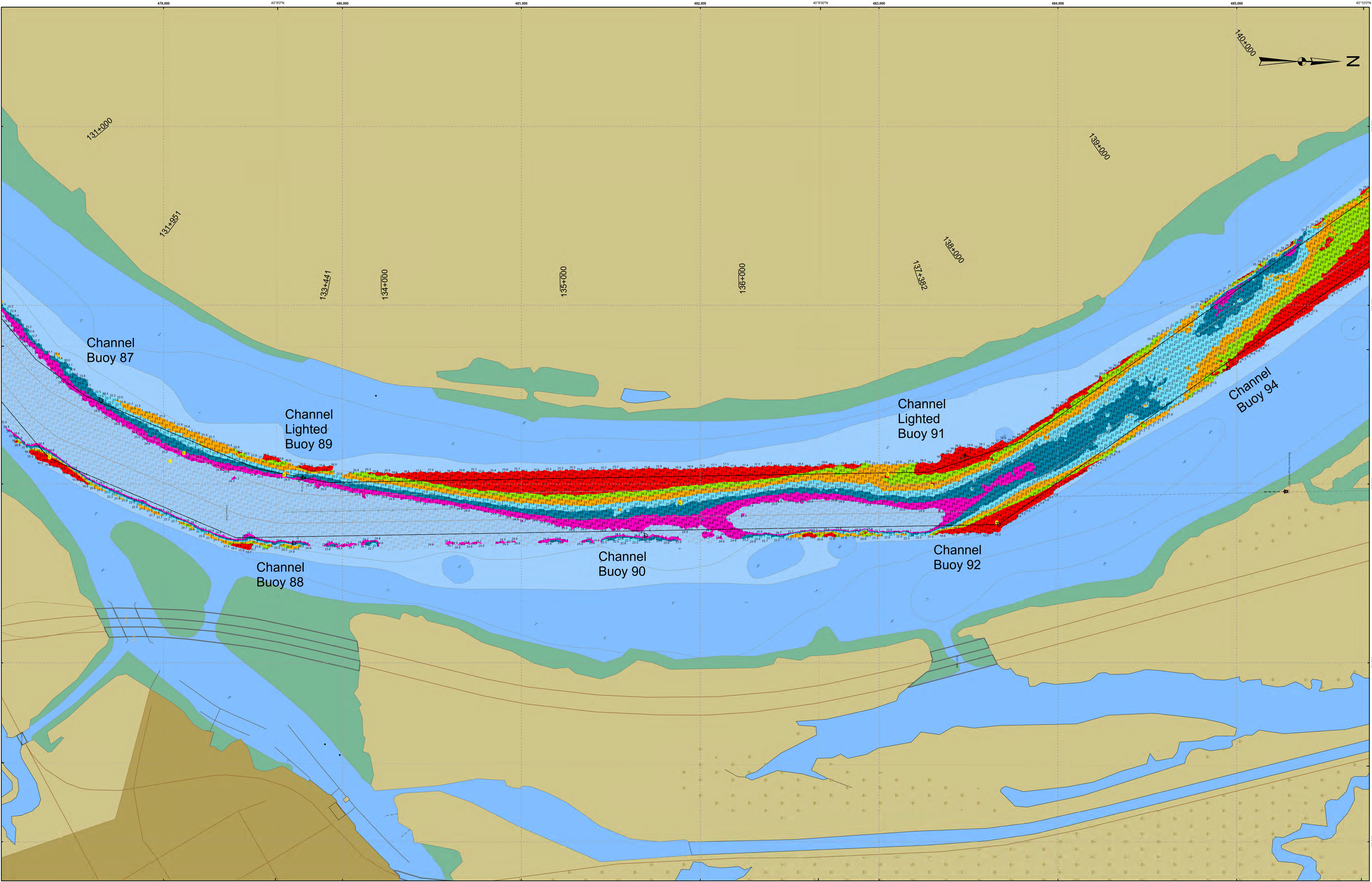
STA. 124+677 to STA. 126+500 – 15 DEC 25
STA. 126+500 to STA. 131+951 – 18 AUG 25
STA. 131+951 to STA. 137+381 – 20 AUG 25
STA. 137+381 to STA. 145+010 – 26 AUG 25

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Drawing No.	Surveyed By:
Plot Scale	PHILADELPHIA DISTRICT
Plot Scale	Plotted By:
Approved:	E. ANTHONY
Checked By:	

DELAWARE RIVER, PHILADELPHIA TO TRENTON
BLAKE RANGE TO DUCK ISLAND RANGE
EXAMINATION
STA. 124+677 to STA. 145+010

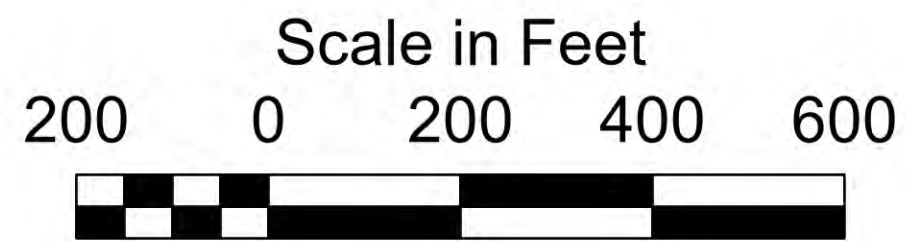
E-PT-104



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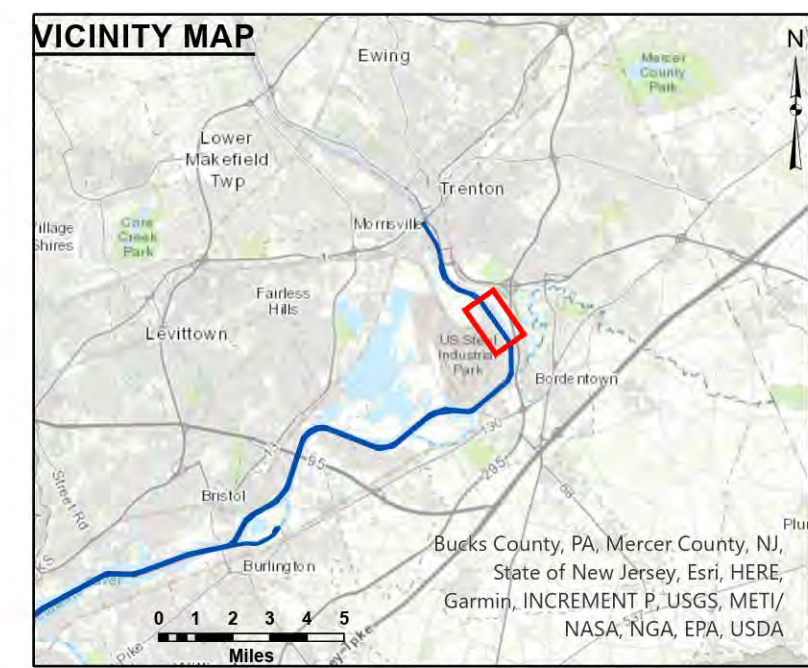
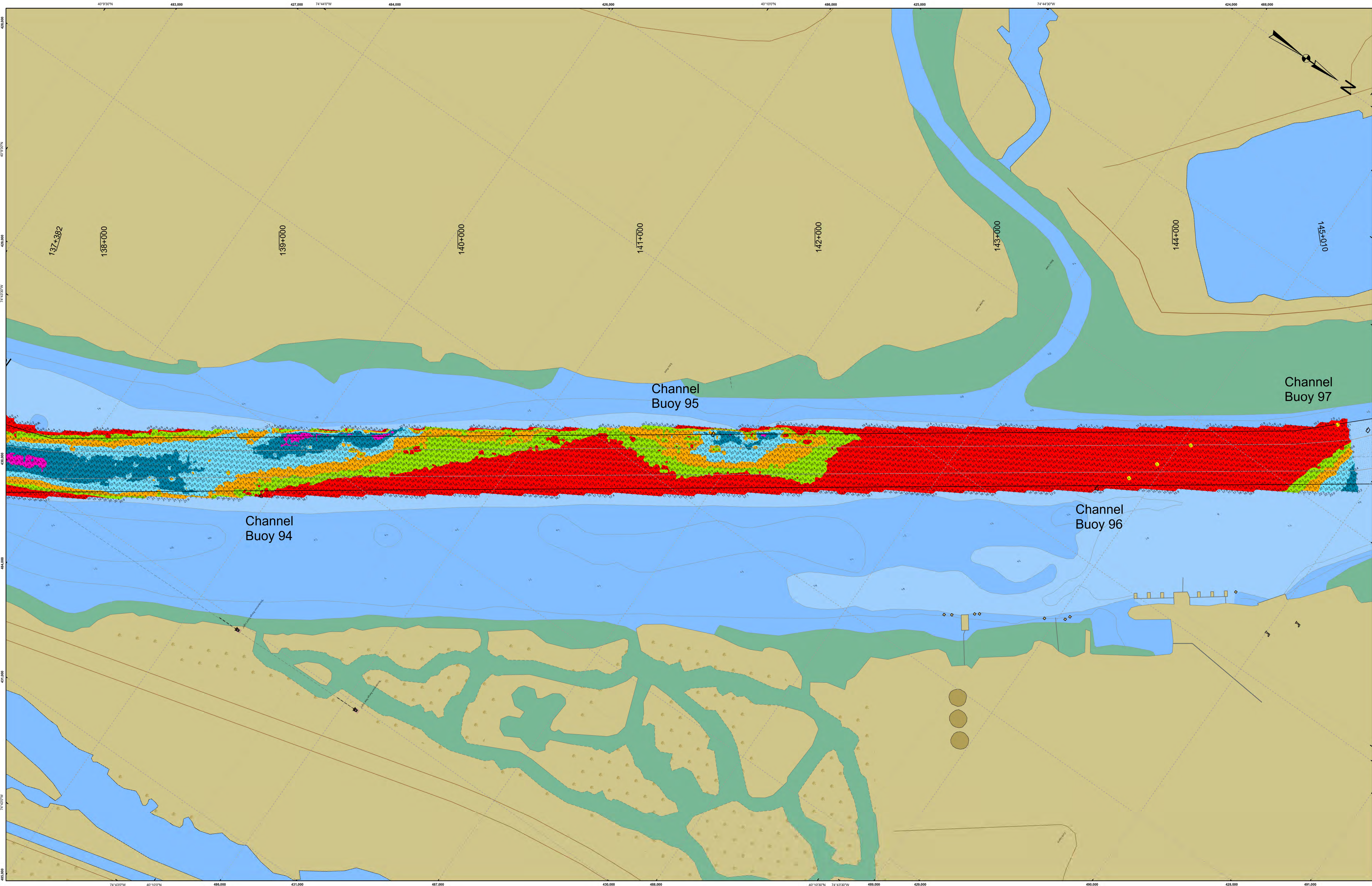
STA. 124+677 to STA. 126+500 - 15 DEC 25
STA. 126+500 to STA. 131+951 - 18 AUG 25
STA. 131+951 to STA. 137+381 - 20 AUG 25
STA. 137+381 to STA. 145+010 - 26 AUG 25

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Surveyed By:	PHILADELPHIA DISTRICT
Drawing No.	
Plot Scale	
Plotted By:	E. Anthony
Checked By:	
Approved:	Chief Survey Section

DELAWARE RIVER, PHILADELPHIA TO TRENTON
BLAKE RANGE TO DUCK ISLAND RANGE
EXAMINATION
STA. 124+677 to STA. 145+010

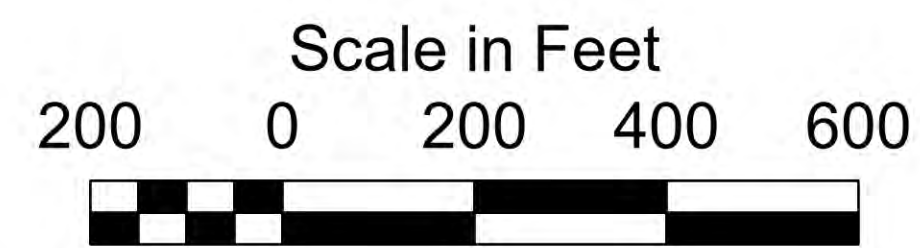
E-PT-104



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U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT	
Drawing No.	Surveyed By:
Plot Scale	Plotted By: E. ANTHONY
Approved:	Checked By:

DELAWARE RIVER, PHILADELPHIA TO TRENTON
BLAKE RANGE TO DUCK ISLAND RANGE
EXAMINATION
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E-PT-104