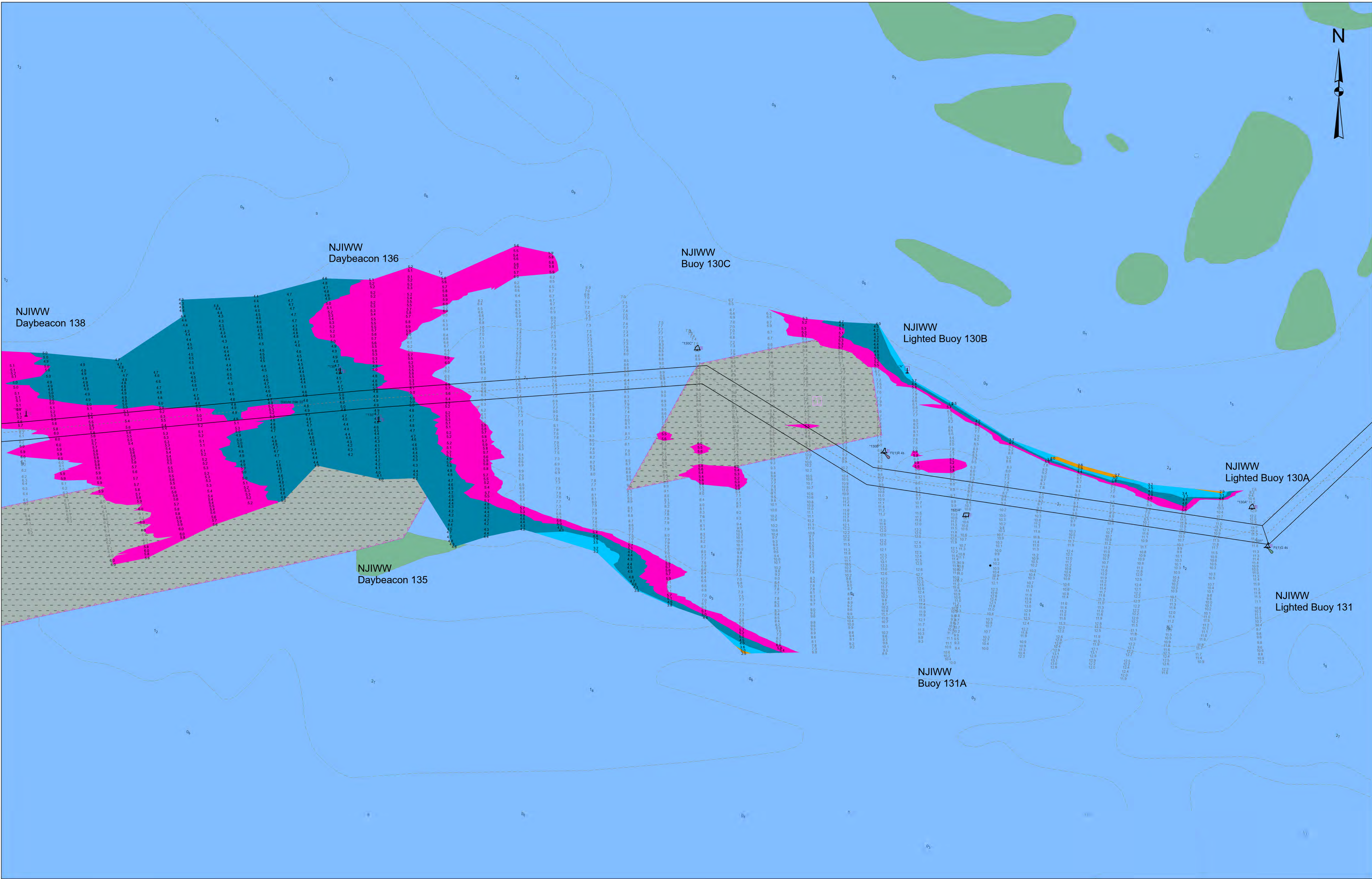




THIS SURVEY MEETS STANDARDS AS OUTLINED IN CORPS OF ENGINEERS' HYDROGRAPHIC SURVEY MANUAL EM1110-2-1003, DATED NOVEMBER 30, 2013 FOR NAVIGATION AND DREDGING SUPPORT SURVEYS.

HORIZONTAL REFERENCE - NAD 83, NEW JERSEY STATE PLANE, ZONE 2900, U.S. FOOT.

VERTICAL REFERENCE - MEAN LOWER LOW WATER, WHICH IS 2.47' BELOW N.A.V.D. 88.

GEOID 18 AND NOAA TIDAL EPOCH: 1983 - 2001 WERE USED. SOUNDINGS ARE EXPRESSED IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.

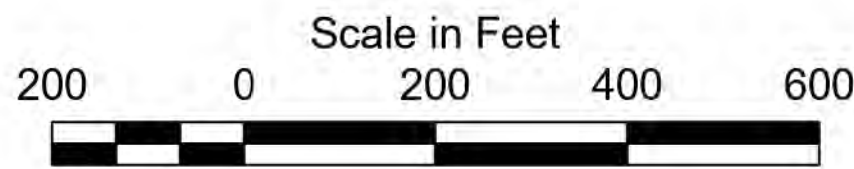
THE INFORMATION DEPICTED ON THIS MAP REPRESENT THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

THE POSITIONS OF THE AIDS TO NAVIGATION ARE PROVIDED FOR INFORMATION ONLY, AND SHOULD NOT BE USED FOR NAVIGATION.

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>

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.



- Legend**
- Shoalest Sounding per Quarter 6 - 40
 - Channel Framework
 - Centerline
 - 5 - 6
 - 4 - 5
 - 3 - 4
 - 2 - 3
 - 1 - 2
 - 3.13 - 1

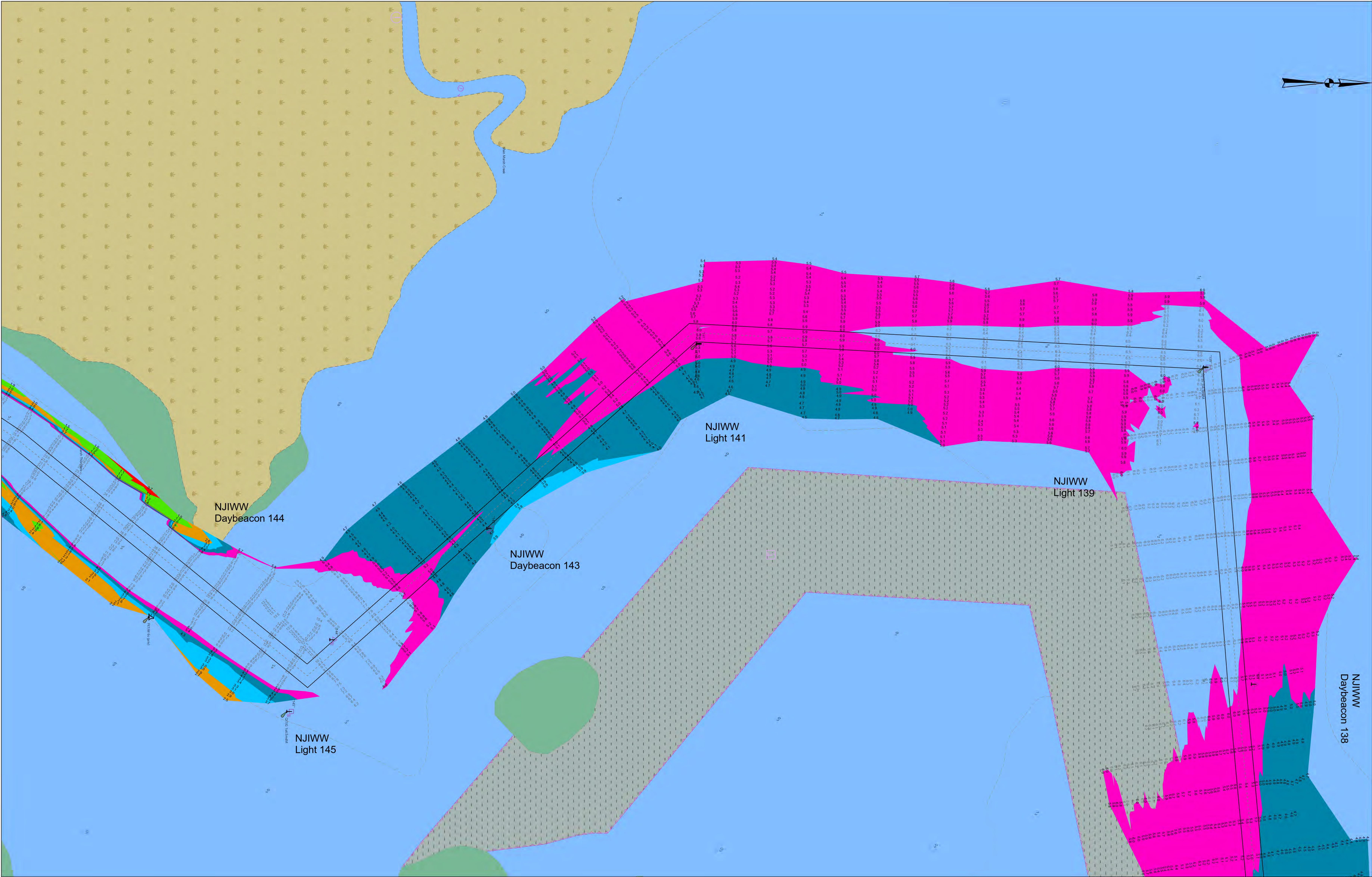


MRK # 31 to MRK #130C -- 13 MAY 24
MRK # 30C to MRK #145 -- 14 MAY 24
MRK # 45 to MRK #147 -- 13 SEP 23
MRK # 47 to MRK #150 -- 12 SEP 23
MRK # 150 to MRK #153 -- 12 SEP 23
MRK # 153 to MRK #165 -- 12 SEP 23
MRK # 165 to MRK #174 -- 12 SEP 23

This document is provided as a report of the results of a survey conducted by the U.S. Army Corps of Engineers, Philadelphia District, for the purpose of providing information to the public. It is not intended for use as a navigational aid. NOAA does not warrant the accuracy or completeness of the information provided. The government disclaims any liability for the use of this information. The government disclaims any liability for the use of this information. The government disclaims any liability for the use of this information.

Surveyed By	Philby By
Checked By	E. M. B. B.
Approved	Chief, Surveying Section

NEW JERSEY INTRACOASTAL WATERWAY
IW 09 - MRK #131 to MRK #174
EXAMINATION
IW-31



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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VERTICAL REFERENCE - MEAN LOWER LOW WATER, WHICH IS 2.47' BELOW N.A.V.D. 88.

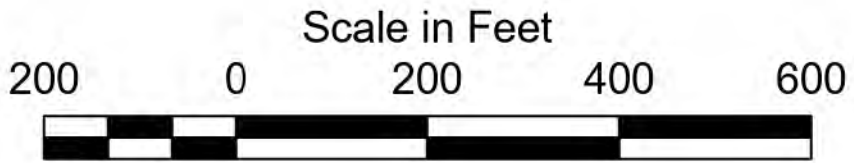
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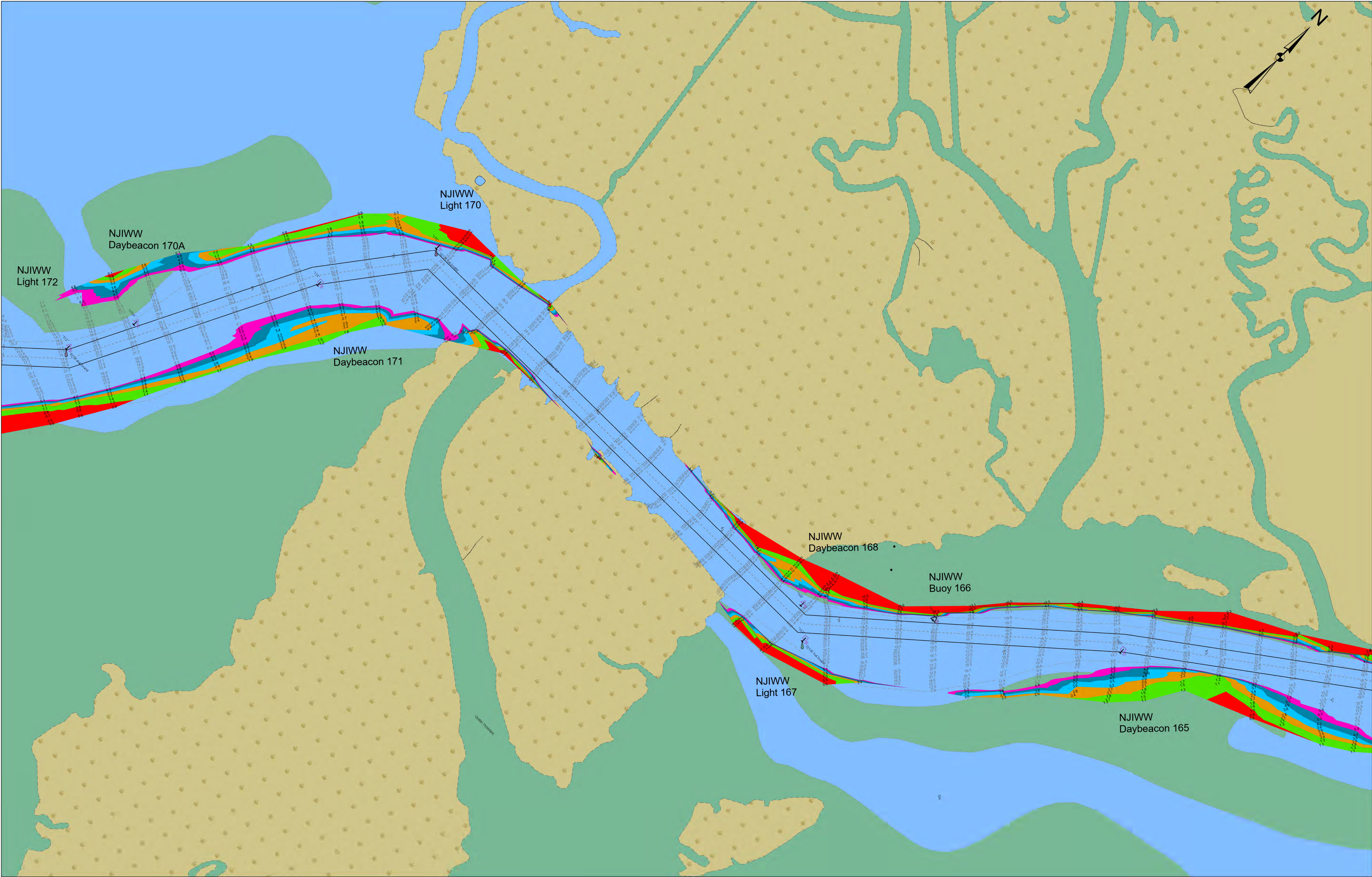
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- Legend**
- Shoalest Sounding per Quarter 6 - 40
 - Channel Framework
 - Centerline
 - 5 - 6
 - 4 - 5
 - 3 - 4
 - 2 - 3
 - 1 - 2
 - 3.13 - 1

- Shoalest Sounding per Quarter 6 - 40
— Channel Framework 5 - 6
--- Centerline 4 - 5
■ 3 - 4
■ 2 - 3
■ 1 - 2
■ -3.13 - 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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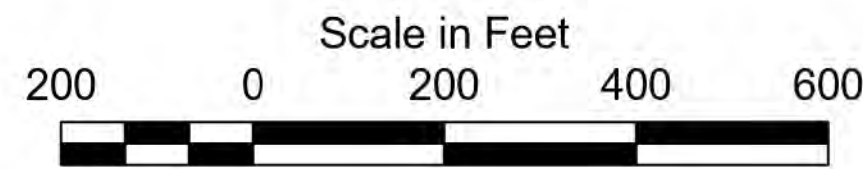
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Legend

- Shoalest Sounding per Quarter 6 - 40
- Channel Framework
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- 5 - 6
- 4 - 5
- 3 - 4
- 2 - 3
- 1 - 2
- 3.13 - 1

