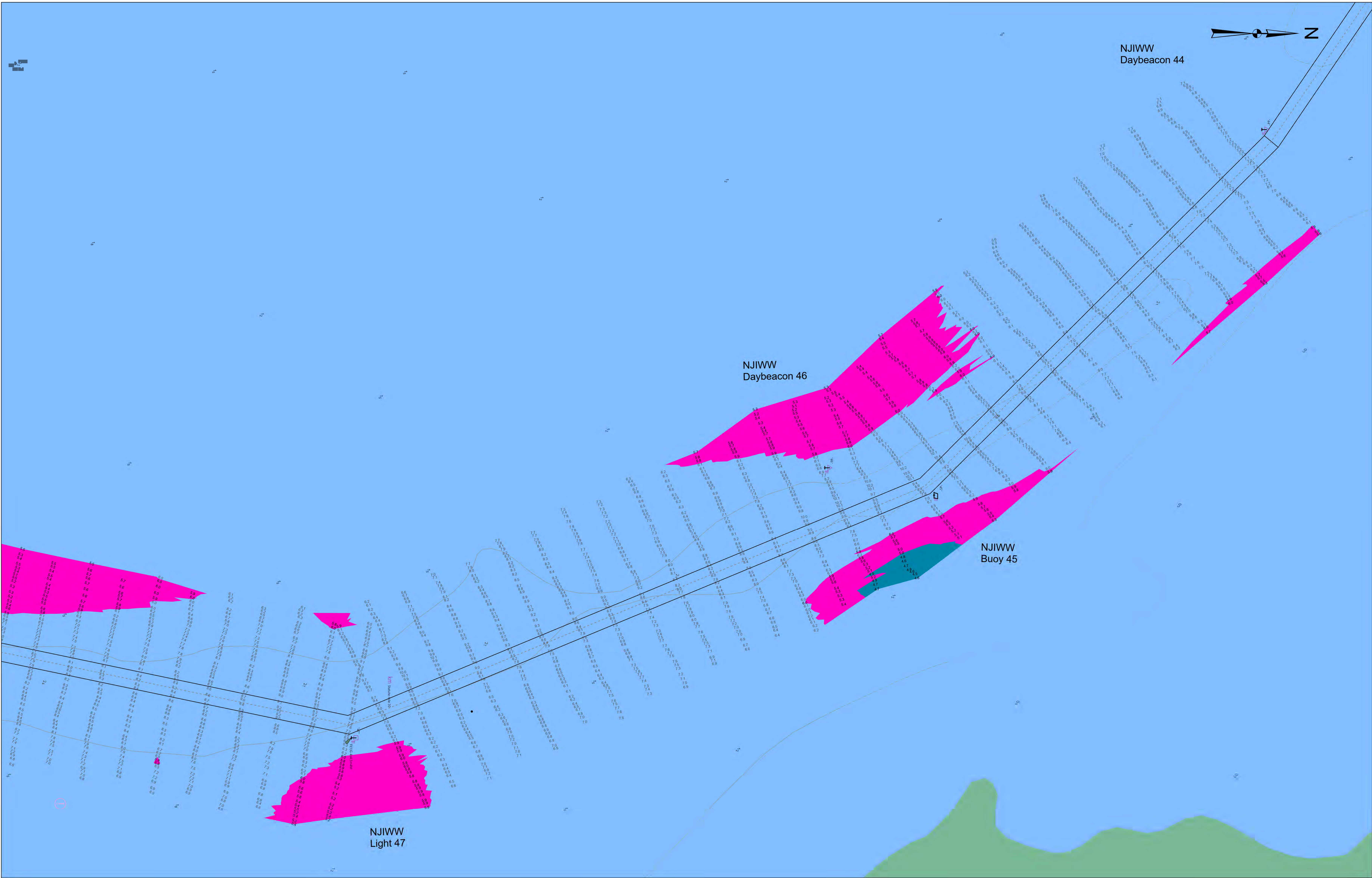




THIS SURVEY MEETS STANDARDS AS OUTLINED IN CORPS OF ENGINEERS' HYDROGRAPHIC SURVEY MANUAL EM1110-2-1003, DATED NOVEMBER 30, 2013 FOR NAVIGATION AND DREDGING SUPPORT SURVEYS.

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.

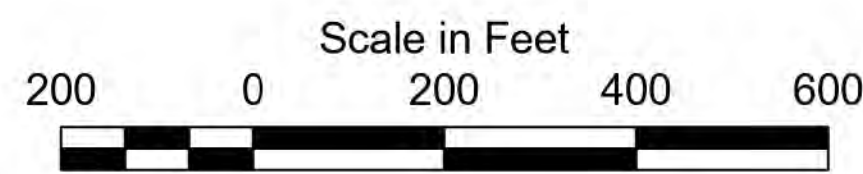
THE INFORMATION DEPICTED ON THIS MAP REPRESENT THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

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 | 6 - 40 |
| Sounding per Quarter | 5 - 6 |
| Framework | 4 - 5 |
| Centerline | 3 - 4 |
| | 2 - 3 |
| | 1 - 2 |
| | 1.78 - 1 |

MKR #44 to MKR #46 - 30 JUL 24
MKR #46 to MKR #52 - 31 JUL 24
MKR #52 to MKR #62 - 01 AUG 24
MKR #62 to MKR #68 - 07 AUG 24

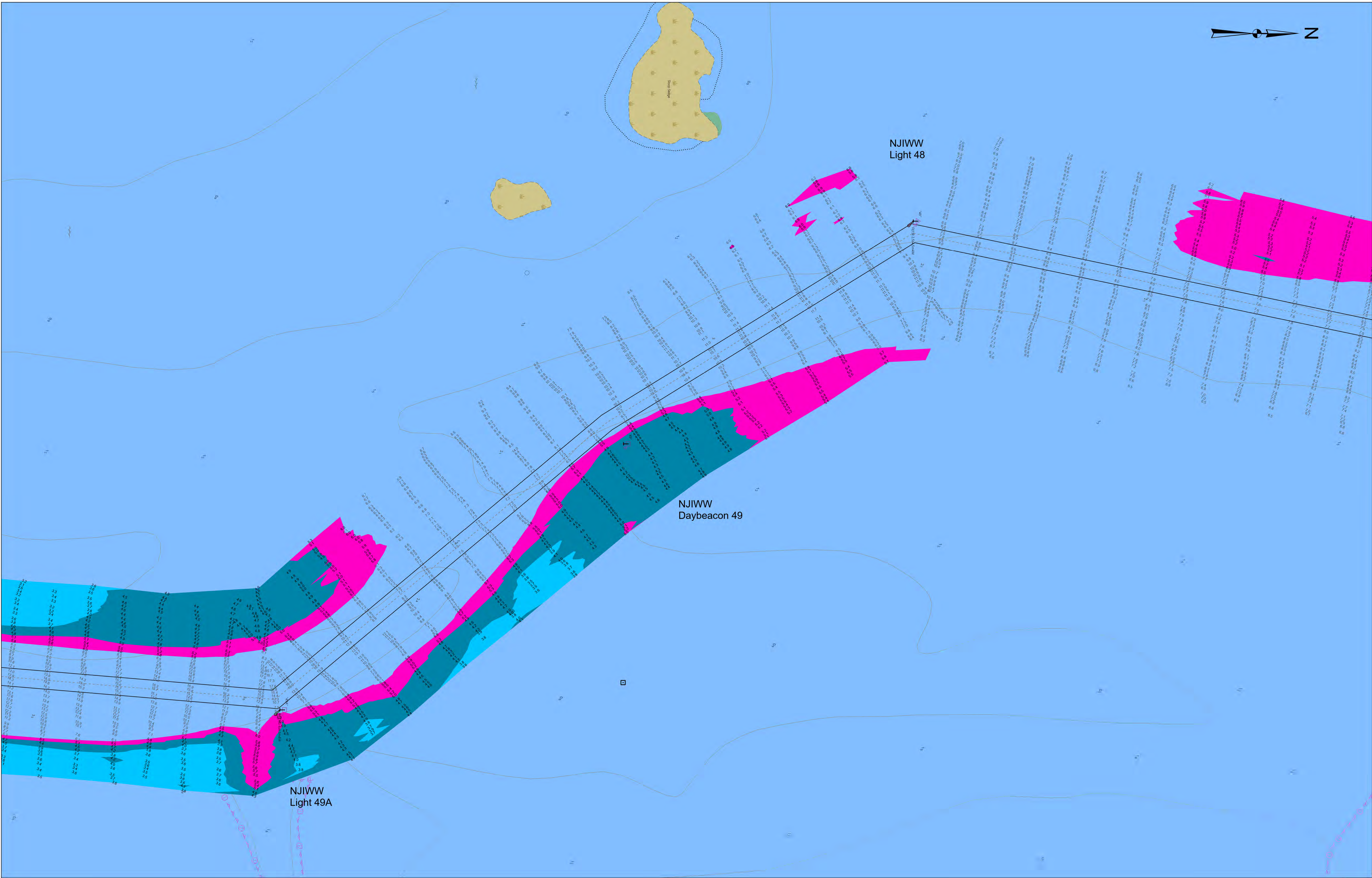
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U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT	
Drawn By	Surveyed By
Produced By	Produced By
Final Scale	E. M. M. M.
Approved	Checked By
Chief, Survey Section	

NEW JERSEY INTRACOASTAL WATERWAY
IW 06 - MRK #44 to MKR #68
EXAMINATION

IW-33



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.

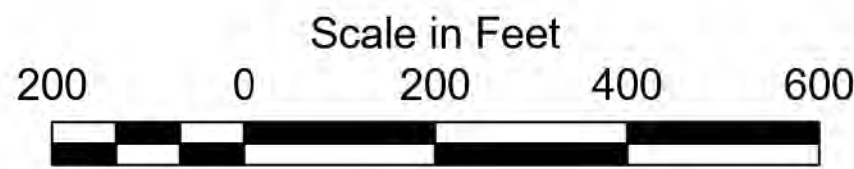
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THE LIMITS OF THE FEDERAL CHANNEL DEPICT THE MOST CURRENT CHANNEL FRAMEWORK AVAILABLE WHICH CAN ALSO BE DOWNLOADED HERE:

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Legend

- Shoalest
- Sounding per Quarter
- Framework
- Centerline
- 6 - 40
- 5 - 6
- 4 - 5
- 3 - 4
- 2 - 3
- 1 - 2
- 1.78 - 1



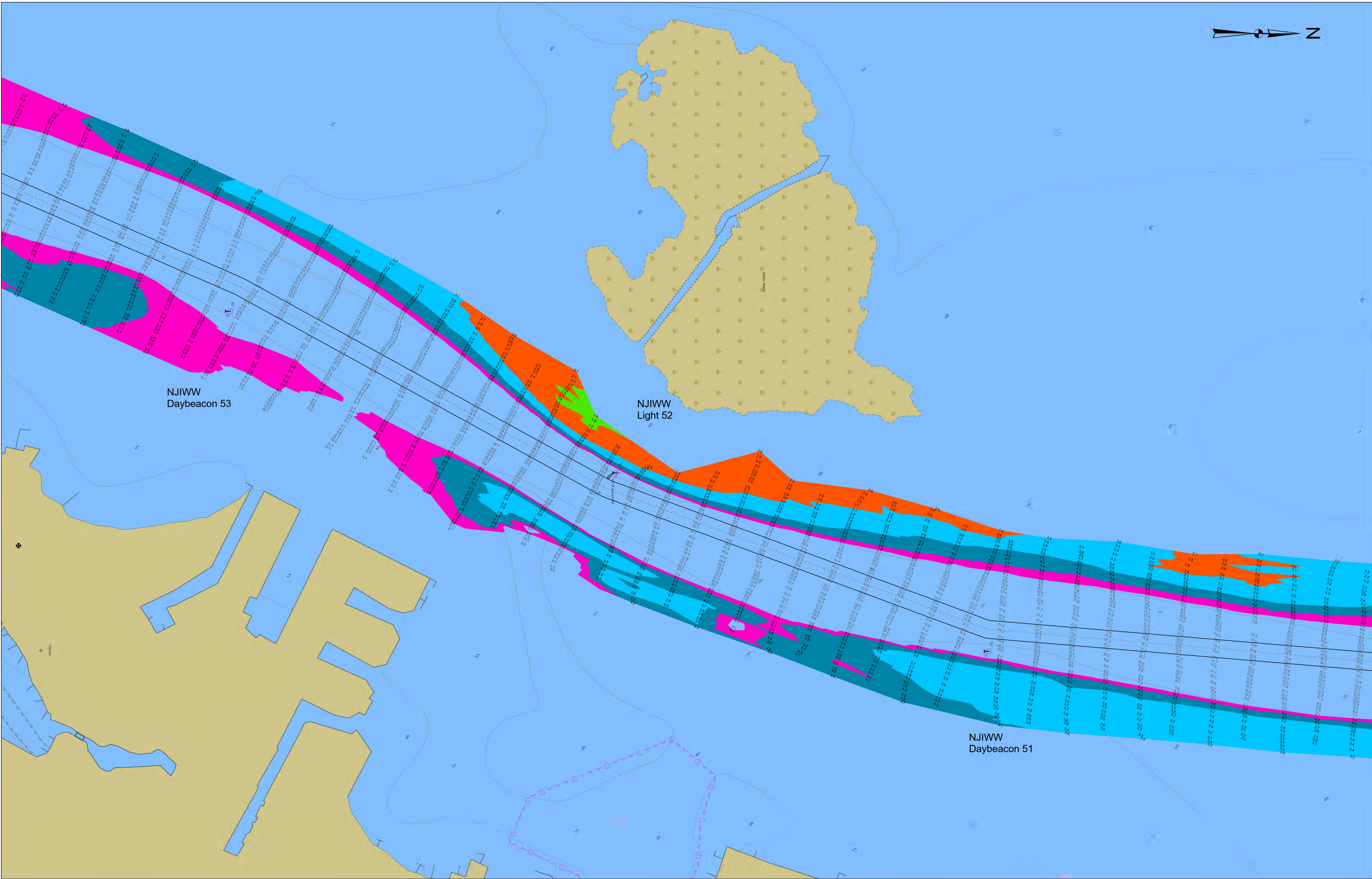
MRK #44 to MRK #46 - 30 JUL 24
MRK #46 to MRK #52 - 31 JUL 24
MRK #52 to MRK #68 - 01 AUG 24
MRK #68 to MRK #68 - 07 AUG 24

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U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT	
Drawn By	Surveyed By
Final Scale	Plotted By
Approved	E. MILLER
Chief, Survey Section	Checked By

NEW JERSEY INTRACOASTAL WATERWAY
IW 06 - MRK #44 to MRK #68
EXAMINATION

IW-33



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.

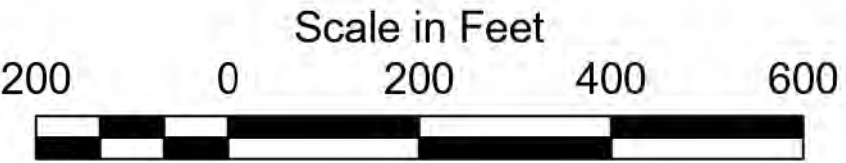
GEOID 18 AND NOAA TIDAL EPOCH: 1983 - 2001 WERE USED. SOUNDINGS ARE EXPRESSED IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.

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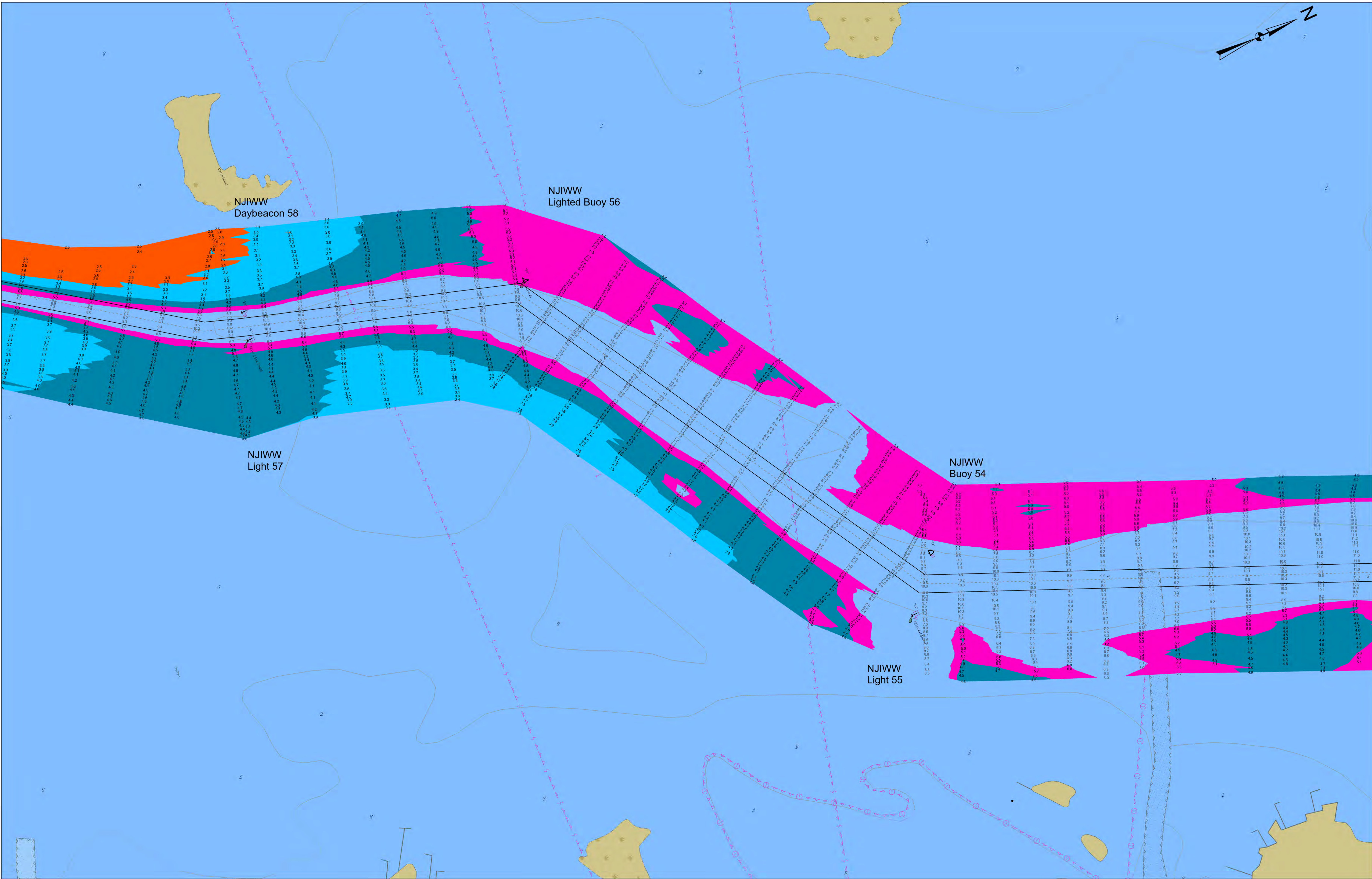
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- Legend**
- Shoalest 6 - 40
 - Sounding per Quarter 5 - 6
 - Framework 4 - 5
 - Centerline 3 - 4
 - 2 - 3
 - 1 - 2
 - 1.78 - 1



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.

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.

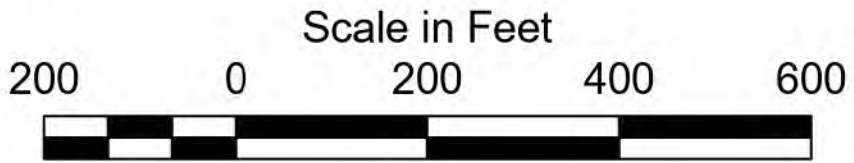
GEOID 18 AND NOAA TIDAL EPOCH: 1983 - 2001 WERE USED. SOUNDINGS ARE EXPRESSED IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.

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- Legend**
- Shoalest
 - Sounding per Quarter
 - Framework
 - Centerline
- 6 - 40
 - 5 - 6
 - 4 - 5
 - 3 - 4
 - 2 - 3
 - 1 - 2
 - 1.78 - 1



MKR #46 to MKR #46 - 30 JUL 24
MKR #52 to MKR #52 - 31 JUL 24
MKR #52 to MKR #52 - 01 AUG 24
MKR #52 to MKR #52 - 07 AUG 24

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Surveyed By	PHILIP BY
Checked By	E. MILLER
First Scale	
Approved	Chief, Survey Section

NEW JERSEY INTRACOASTAL WATERWAY
IW 06 - MRK #44 to MRK #68
EXAMINATION

IW-33



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.

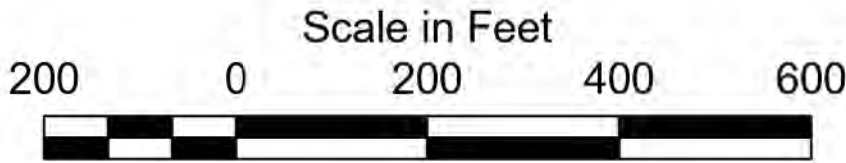
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- Legend**
- Shoalest
 - Sounding per Quarter
 - Framework
 - Centerline
 - 6 - 40
 - 5 - 6
 - 4 - 5
 - 3 - 4
 - 2 - 3
 - 1 - 2
 - 1.78 - 1

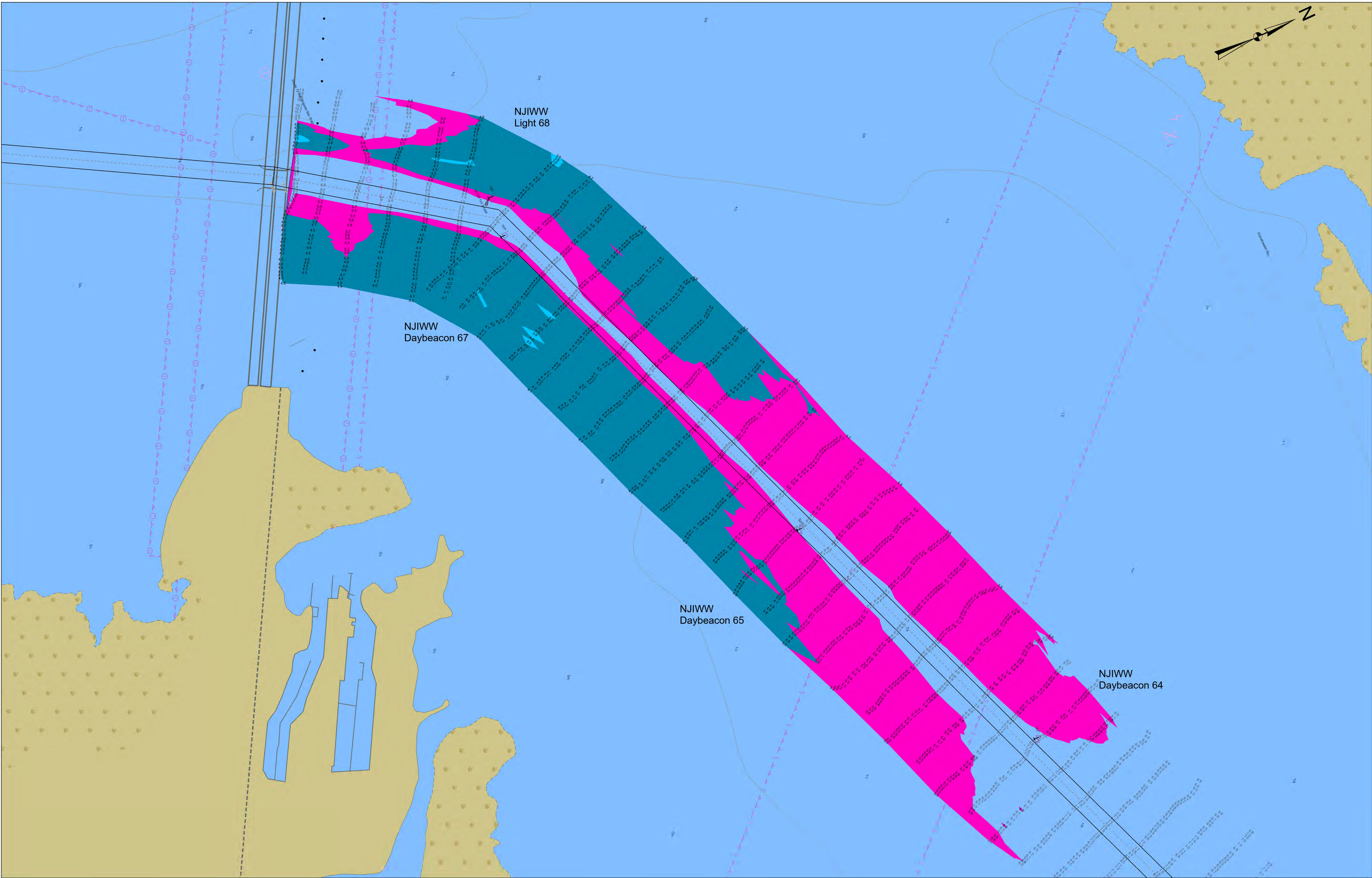
MKR #44 to MKR #46 - 30 JUL 24
MKR #46 to MKR #52 - 31 JUL 24
MKR #52 to MKR #62 - 01 AUG 24
MKR #62 to MKR #68 - 07 AUG 24

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Surveyed By	PHILIP BY
Checked By	E. MILLER
Approved	Chief, Survey Section

NEW JERSEY INTRACOASTAL WATERWAY
IW 06 - MRK #44 to MKR #68
EXAMINATION

IW-33



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.

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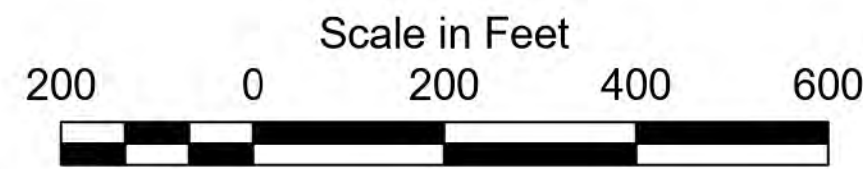
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Legend

- Shoalest 6 - 40
- Sounding per Quarter 5 - 6
- Framework 4 - 5
- Centerline 3 - 4
- 1 - 2
- 1.78 - 1