



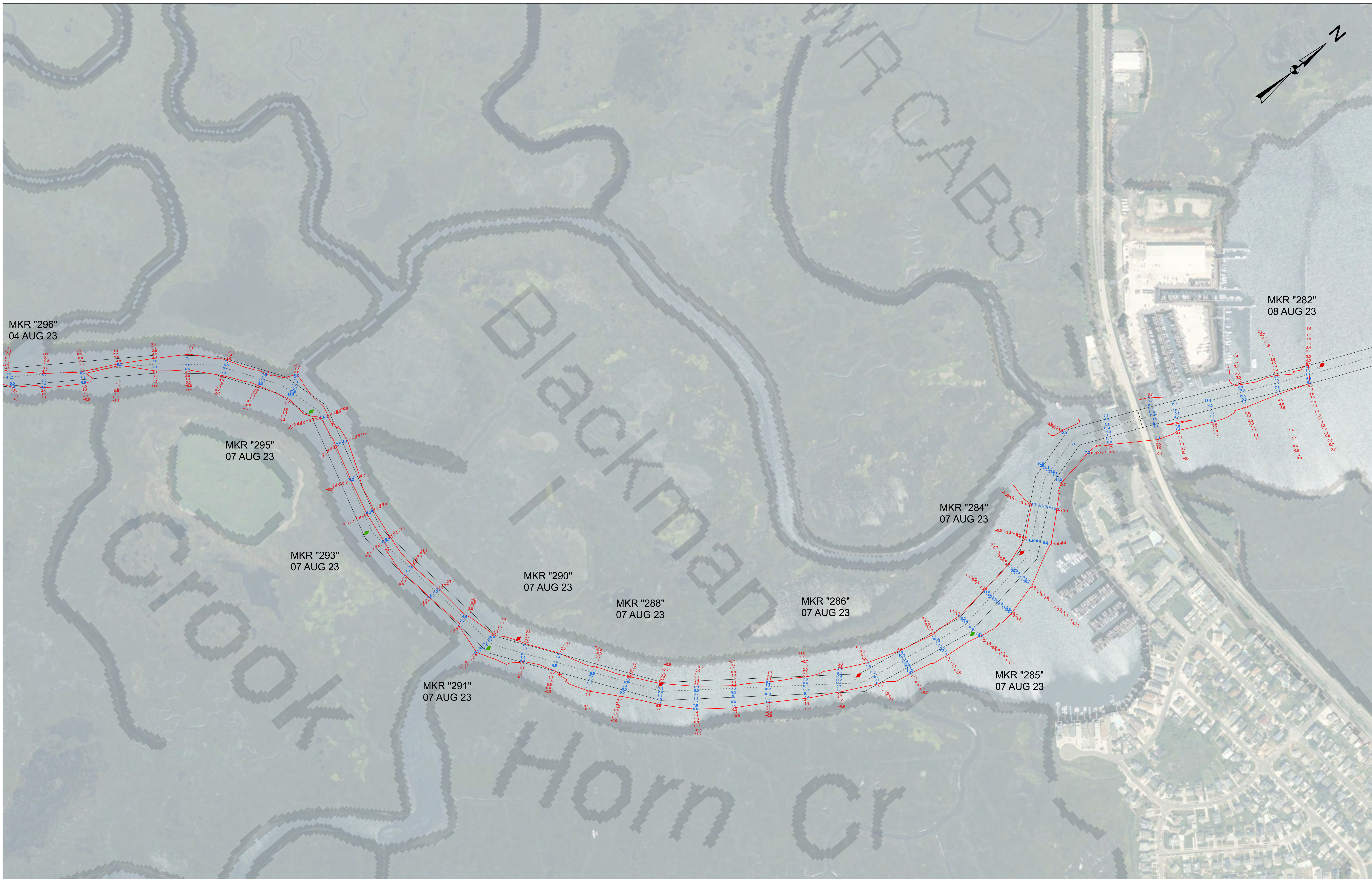
34th St Bridge to MKR #296 -- 08 AUG 23
MKR #296 to MKR #309 -- 04 AUG 23
MKR #309 to MKR #339 -- 02 AUG 23
MKR #339 to MKR #356 -- 01 AUG 23
MKR #356 to MKR #357 -- 27 JUL 23
MKR #357 to MKR #374 -- 26 JUL 23
MKR #374 to MKR #383 -- 20 JUL 23

[illegible]

U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT	Drawing No. _____	Surveyed By: _____
	Plot Scale: _____	Plotted By: _____ E. Anthony
Approval: _____ _____ Chief Survey Section	Checked By: _____	

**NEW JERSEY INTRACOASTAL WATERWAY
34th ST BRIDGE TO MKR #383
EXAMINATION**

IW-19



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.

GEOD 12B AND NOAA TIDAL EPOCH: 1983 - 2001 WERE USED. SOUNDINGS ARE EXPRESSED IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.

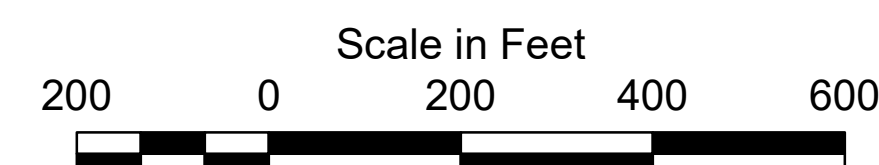
THE INFORMATION DEPICTED ON THIS MAP REPRESENT THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.







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
-  Green Buoy
 -  Red Buoy
 -  Shoalest Sounding per Quarter
 -  6' Curve of Depth
 -  Centerline
 -  ChannelFramework



34th St Bridge to MKR #296 -- 08 AUG 23
MKR #296 to MKR #309 -- 04 AUG 23
MKR #309 to MKR #339 -- 02 AUG 23
MKR #339 to MKR #356 -- 01 AUG 23
MKR #356 to MKR #357 -- 27 JUL 23
MKR #357 to MKR #374 -- 26 JUL 23
MKR #374 to MKR #383 -- 20 JUL 23

DISCLAIMER

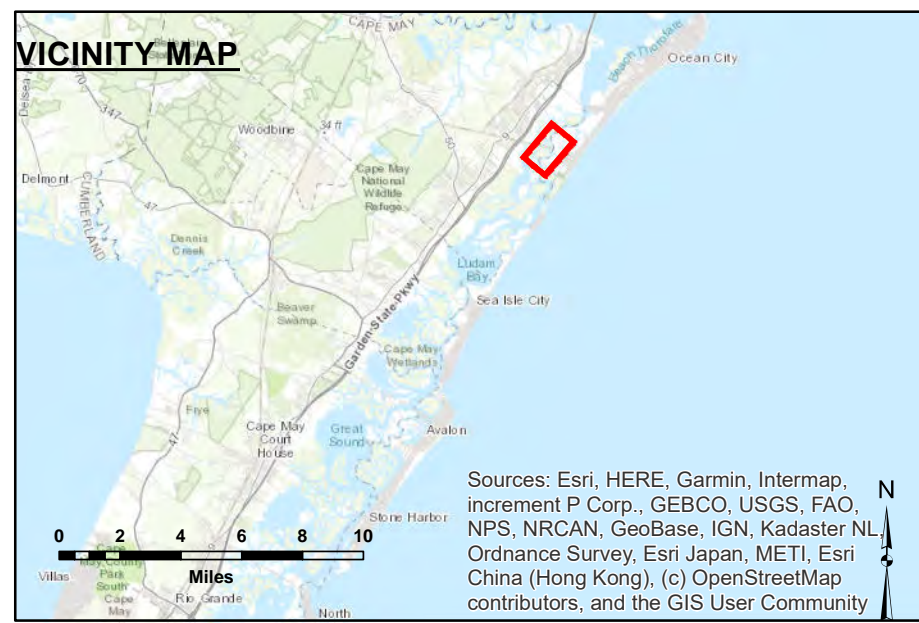
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**NEW JERSEY INTRACOASTAL WATERWAY
34th ST BRIDGE TO MKR #383
EXAMINATION**

IW-19



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 12B AND NOAA TIDAL EPOCH: 1983 - 2001 WERE USED. SOUNDINGS ARE EXPRESSED IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.

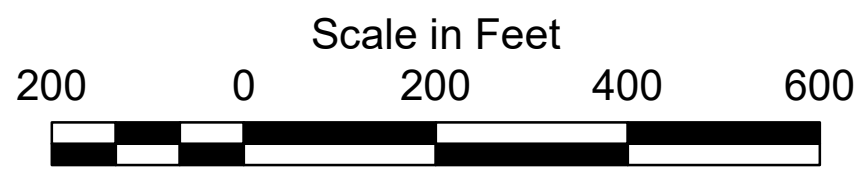
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- ## Legend
-  Green Buoy
 -  Red Buoy
 -  Shoalest Sounding per Quarter
 -  6' Curve of Depth
 -  Centerline
 -  ChannelFramework



34th St Bridge to MKR #296 -- 08 AUG 23
MKR #296 to MKR #309 -- 04 AUG 23
MKR #309 to MKR #339 -- 02 AUG 23
MKR #339 to MKR #356 -- 01 AUG 23
MKR #356 to MKR #357 -- 27 JUL 23
MKR #357 to MKR #374 -- 26 JUL 23
MKR #374 to MKR #383 -- 20 JUL 23

DISCLAIMER

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**NEW JERSEY INTRACOASTAL WATERWAY
34th ST BRIDGE TO MKR #383
EXAMINATION**

IW-19



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.

GEOD 12B AND NOAA TIDAL EPOCH: 1983 - 2001 WERE USED. SOUNDINGS ARE EXPRESSED IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.

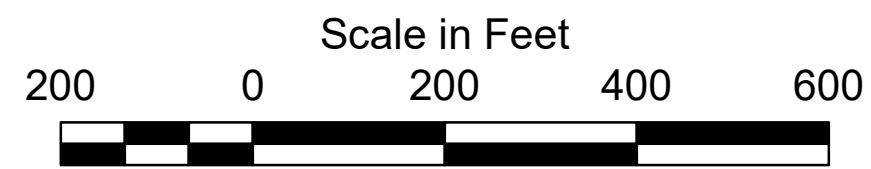
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- ### Legend
- Green Buoy
 - Red Buoy
 - Shoalest Sounding per Quarter
 - 6' Curve of Depth
 - Centerline
 - ChannelFramework



34th St Bridge to MKR #296 -- 08 AUG 23
MKR #296 to MKR #309 -- 04 AUG 23
MKR #309 to MKR #339 -- 02 AUG 23
MKR #339 to MKR #356 -- 01 AUG 23
MKR #356 to MKR #357 -- 27 JUL 23
MKR #357 to MKR #374 -- 26 JUL 23
MKR #374 to MKR #383 -- 20 JUL 23

[illegible]

Drawing No. _____ Plot Scale: _____ Approved: _____ Checked By: _____ E. Anthony _____ Surveyed By: _____	U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT
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**NEW JERSEY INTRACOASTAL WATERWAY
34th ST BRIDGE TO MKR #383
EXAMINATION**

IW-19



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 12B 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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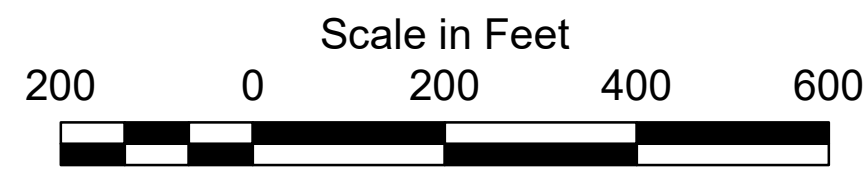
<http://navigation.usace.army.mil/Survey/Framework>

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>

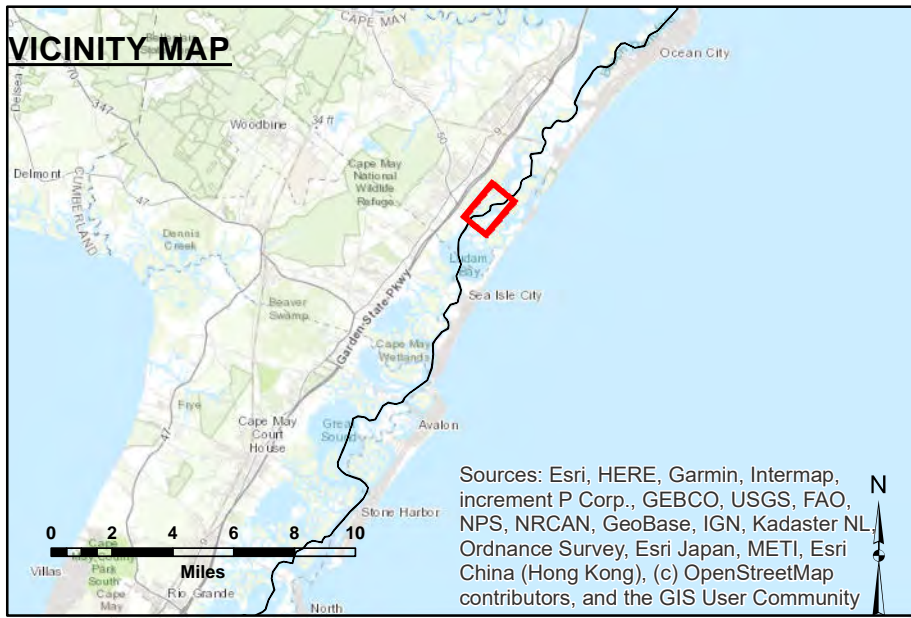
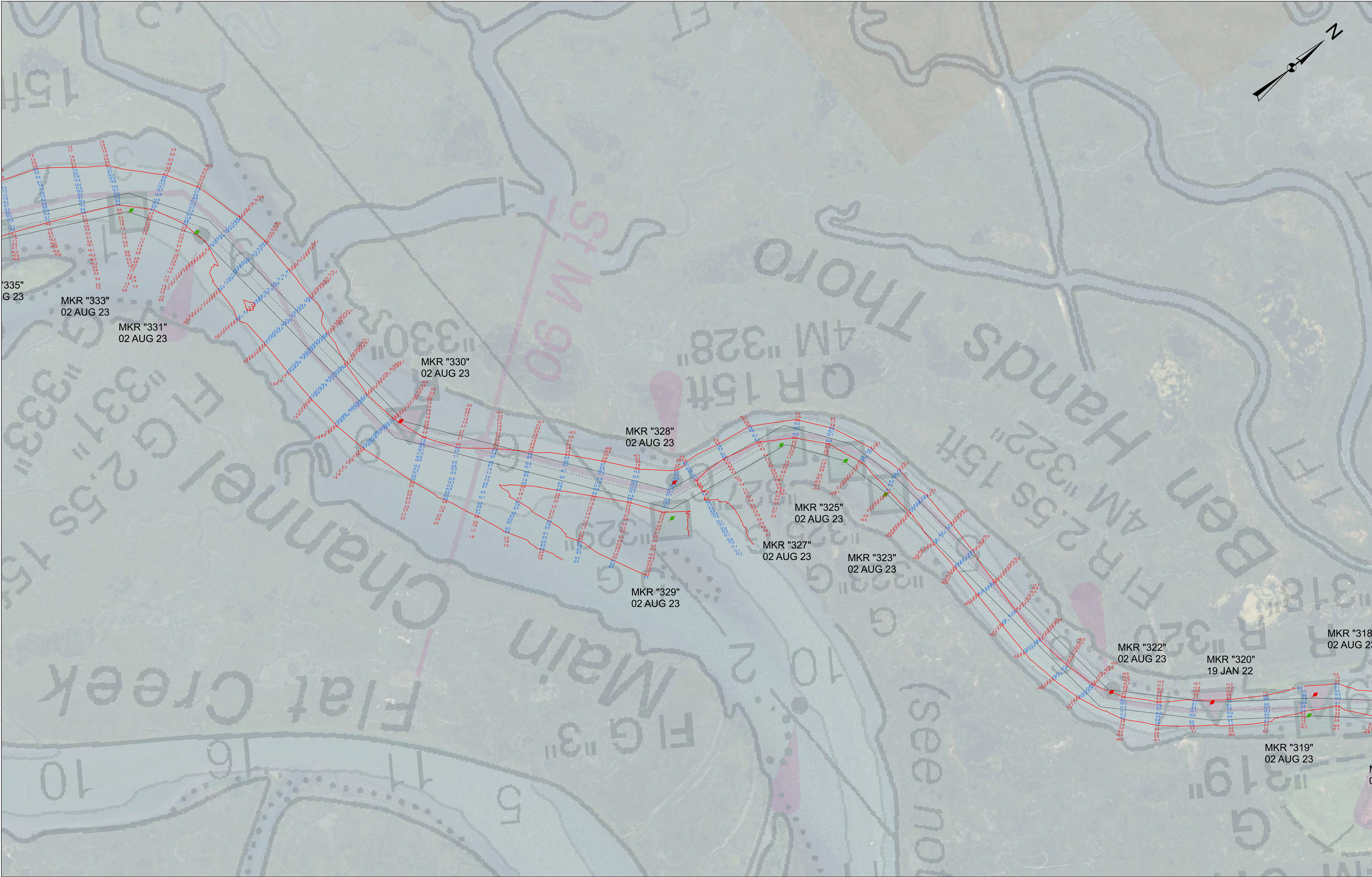
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Legend

-  Green Buoy
-  Red Buoy
-  Shoalest Sounding per Quarter
-  6' Curve of Depth
-  Centerline
-  ChannelFramework



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.

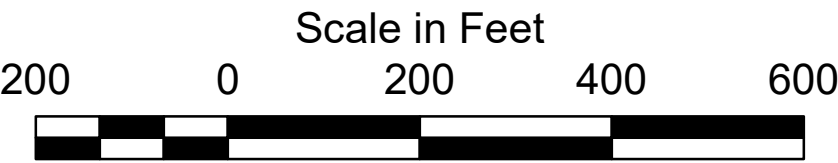
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- Legend**
- Green Buoy
 - Red Buoy
 - Shoalest Sounding per Quarter
 - 6' Curve of Depth
 - Centerline
 - ChannelFramework

34th St Bridge to MKR #296 - 08 AUG 23
MKR #296 to MKR #303 - 04 AUG 23
MKR #303 to MKR #339 - 02 AUG 23
MKR #339 to MKR #356 - 01 JUL 23
MKR #356 to MKR #374 - 26 JUL 23
MKR #374 to MKR #383 - 20 JUL 23

DISCLAIMER
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Surveyed By:	PHILADELPHIA DISTRICT
Checked By:	E. Antillon
Drawn By:	
Print Scale:	
Approved:	Chief, Survey Section

NEW JERSEY INTRACOASTAL WATERWAY
34th ST BRIDGE TO MKR #383
EXAMINATION



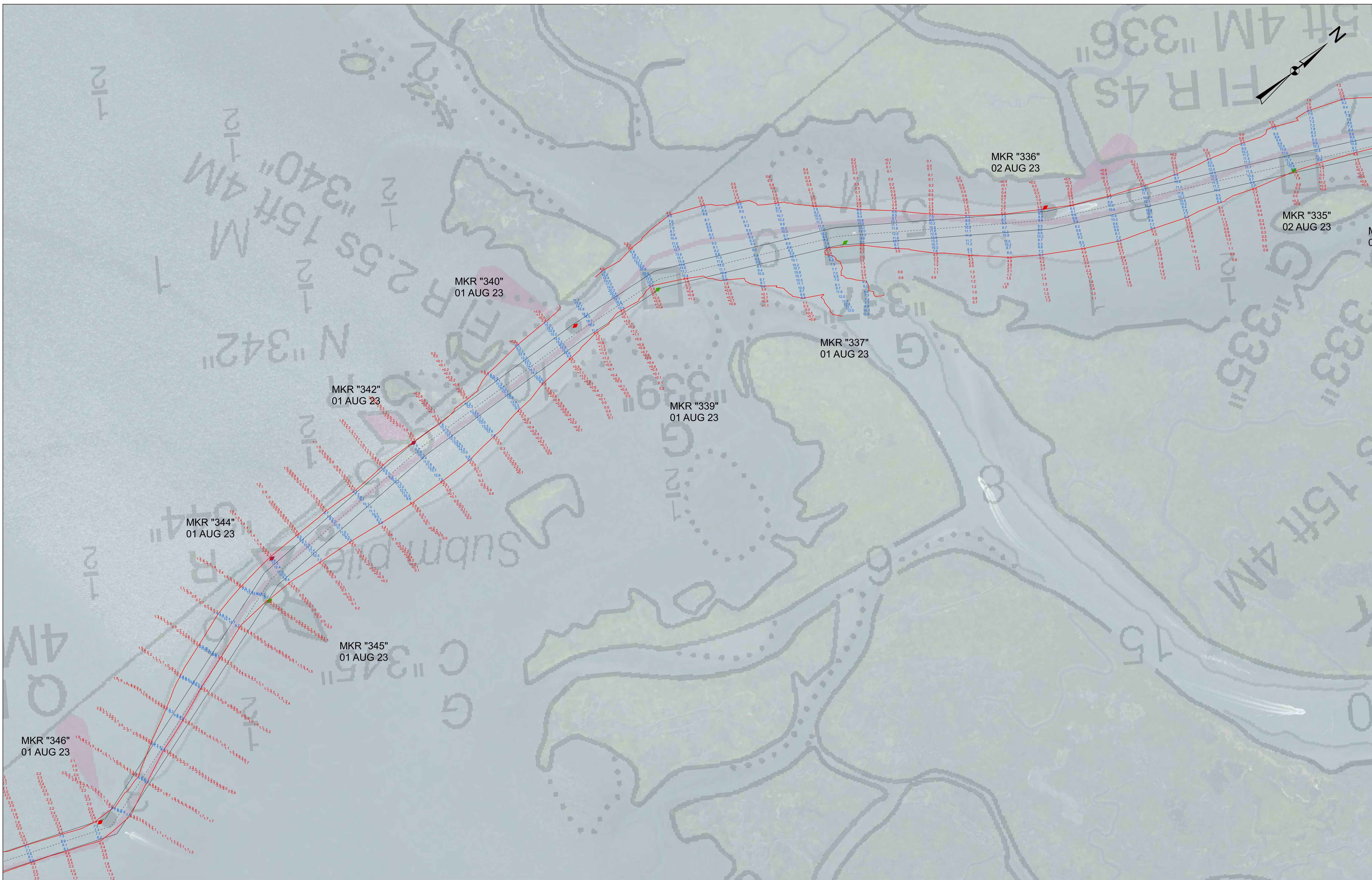
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MKR #296 to MKR #309 -- 04 AUG 23
MKR #309 to MKR #339 -- 02 AUG 23
MKR #339 to MKR #356 -- 01 AUG 23
MKR #356 to MKR #357 -- 27 JUL 23
MKR #357 to MKR #374 -- 26 JUL 23
MKR #374 to MKR #383 -- 20 JUL 23

[illegible]







Drawing No.	
U.S. ARMY CORPS OF ENGINEERS PHILADELPHIA DISTRICT	Surveyed By:
Poll Scale:	Plotted By: E. Anthony
Approval _____ Chief Survey Section	Checked By:

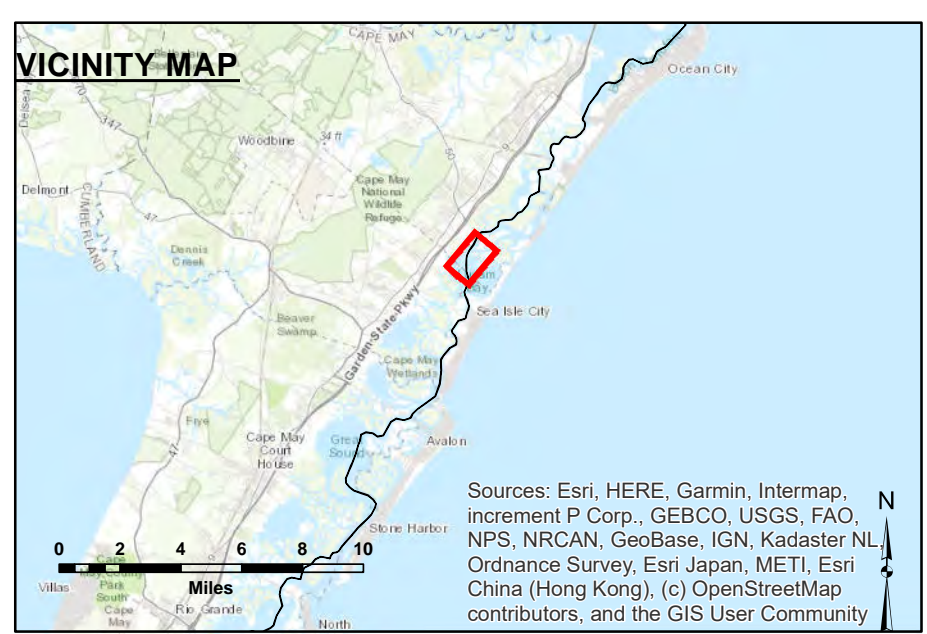
**NEW JERSEY INTRACOASTAL WATERWAY
34th ST BRIDGE TO MKR #383
EXAMINATION**

IW-19



Legend

-  Green Buoy
-  Red Buoy
-  Shoalest Sounding per Quarter
-  6' Curve of Depth
-  Centerline
-  ChannelFramework



THIS SURVEY MEETS STANDARDS AS OUTLINED IN CORPS OF ENGINEERS' HYDROGRAPHIC SURVEY MANUAL EM11110-2-1003, 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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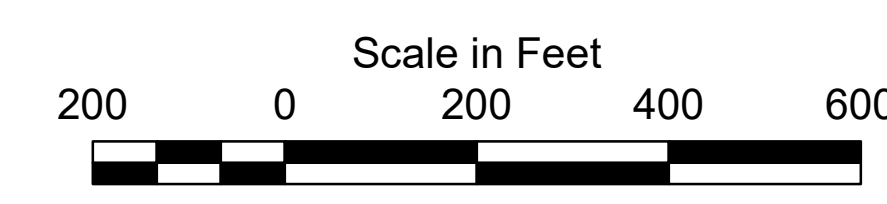
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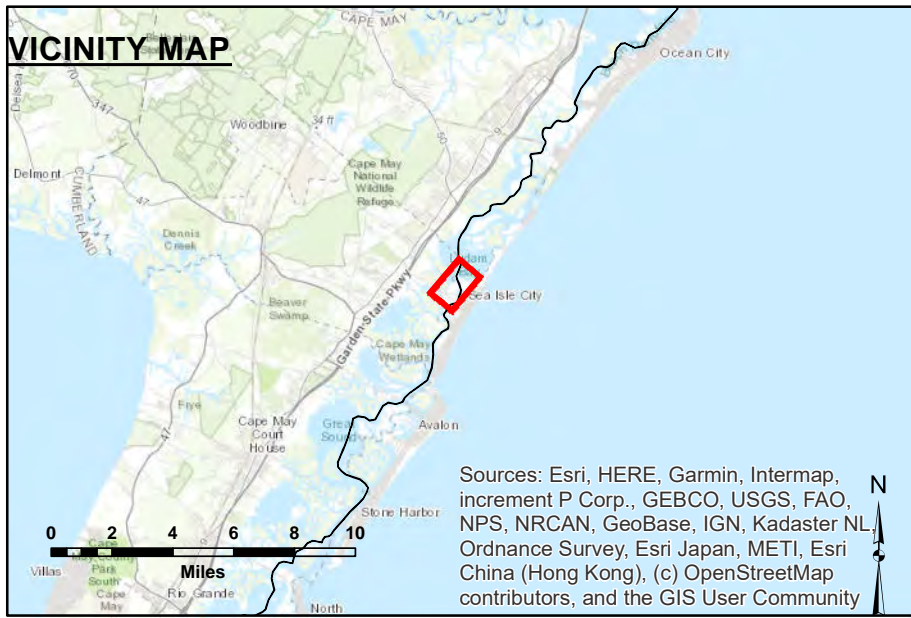
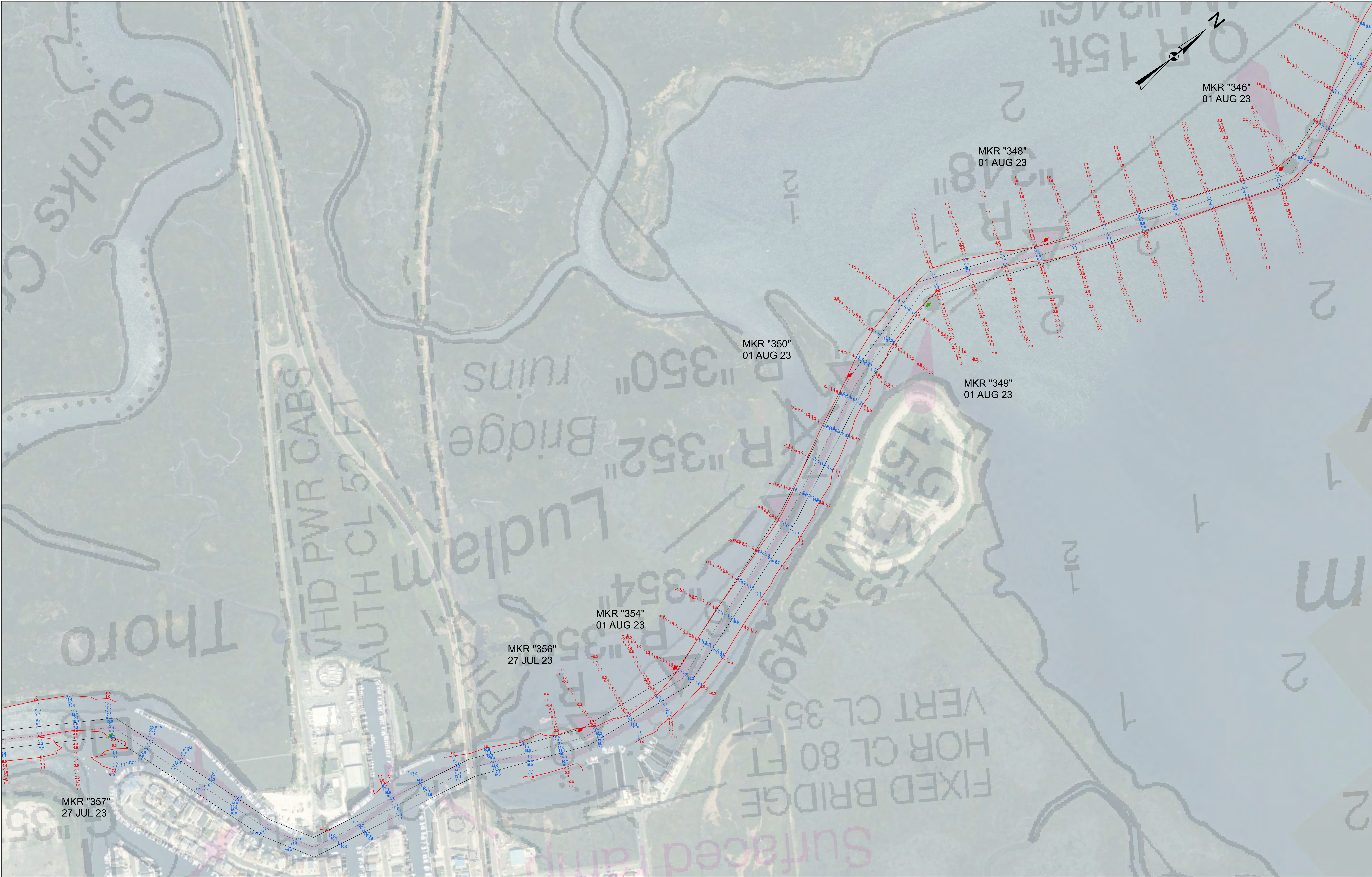
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THIS SURVEY MEETS STANDARDS AS OUTLINED IN CORPS OF ENGINEERS' HYDROGRAPHIC SURVEY MANUAL EM1110-2-1003, DATED NOVEMBER 30, 2013 FOR NAVIGATION AND DREDGING SUPPORT SURVEYS.

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

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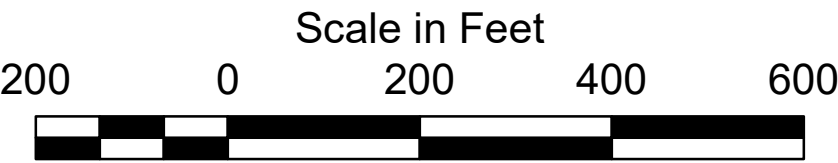
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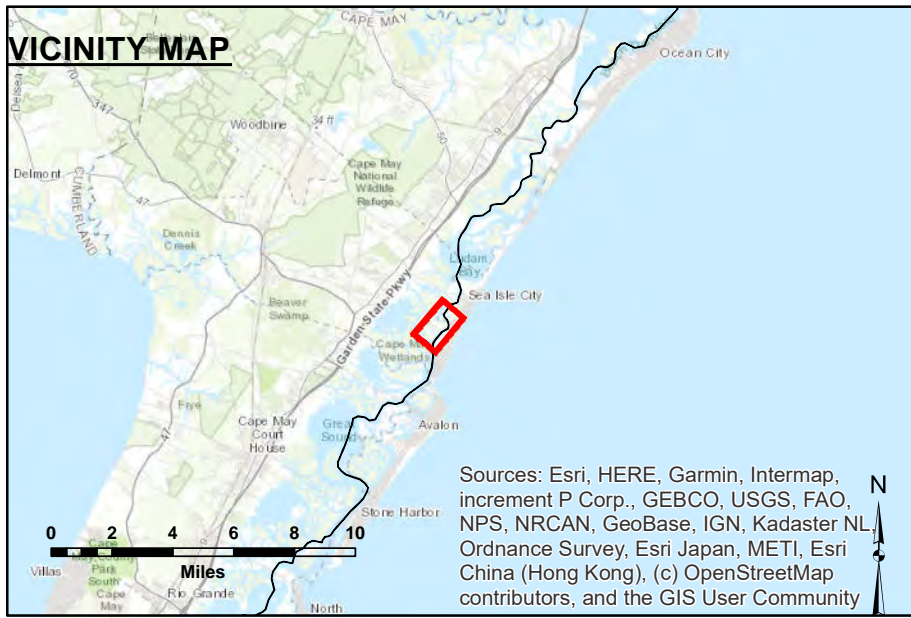
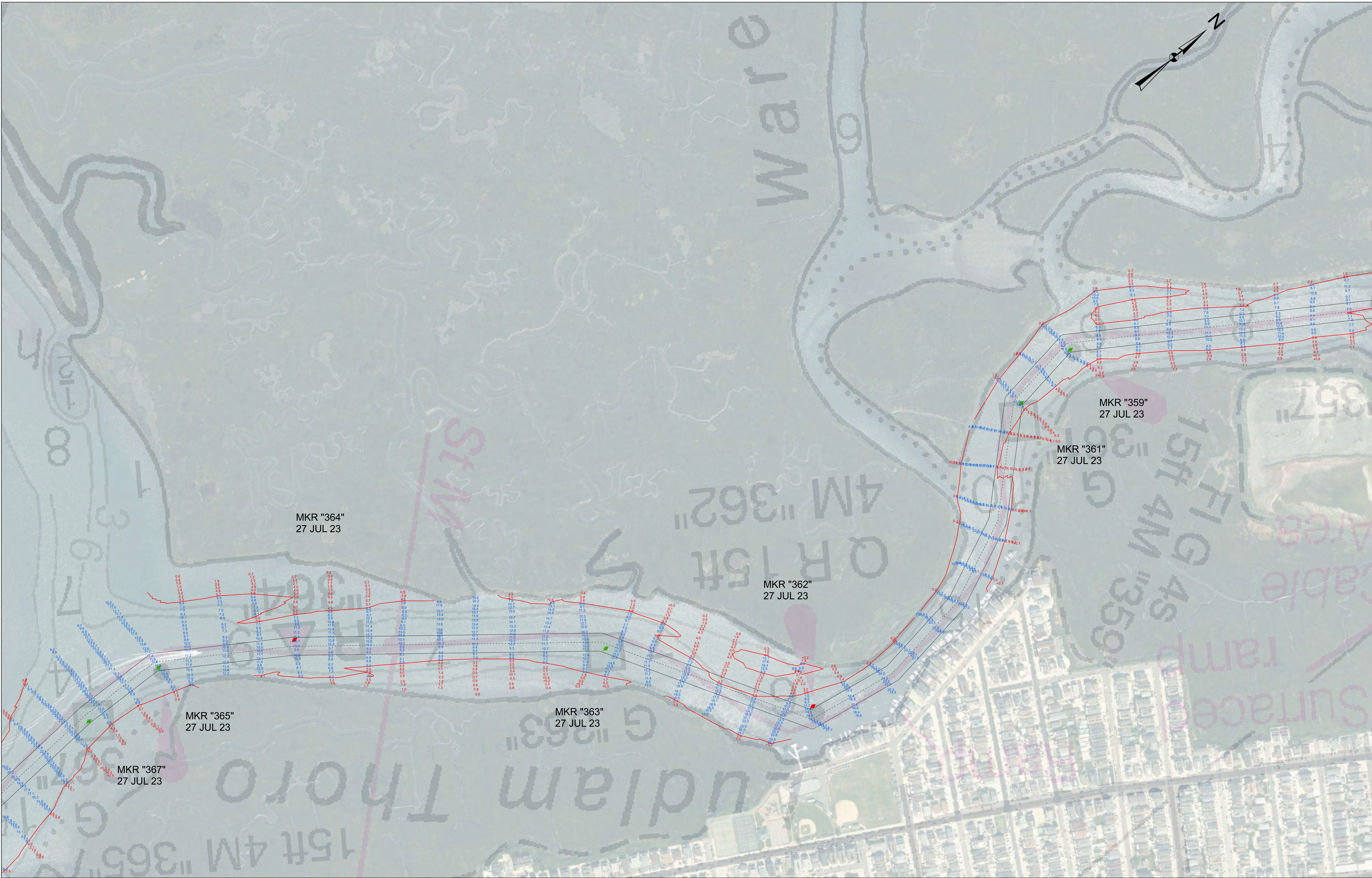
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- Legend**
- Green Buoy
 - Red Buoy
 - Shoalest Sounding per Quarter
 - 6' Curve of Depth
 - Centerline
 - ChannelFramework



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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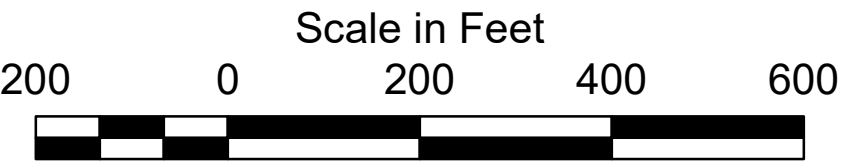
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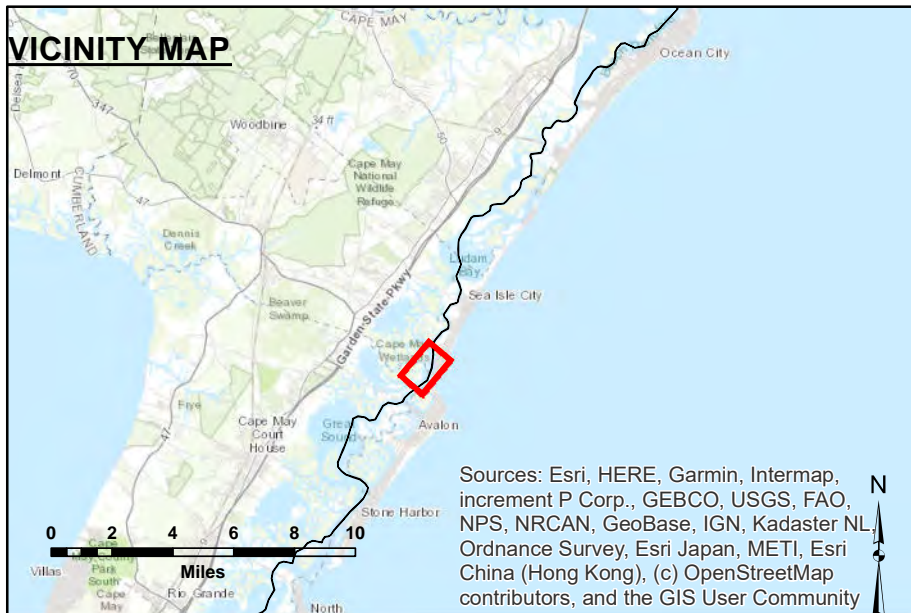
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- Legend**
- Green Buoy
 - Red Buoy
 - Shoalest Sounding per Quarter
 - 6' Curve of Depth
 - Centerline
 - ChannelFramework



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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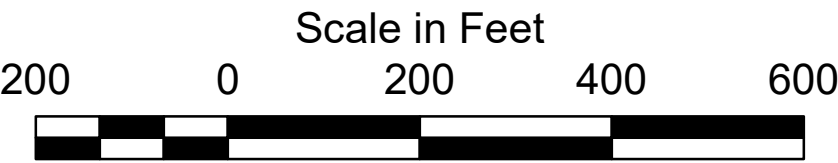
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- Legend**
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 - Red Buoy
 - Shoalest Sounding per Quarter
 - 6' Curve of Depth
 - Centerline
 - ChannelFramework



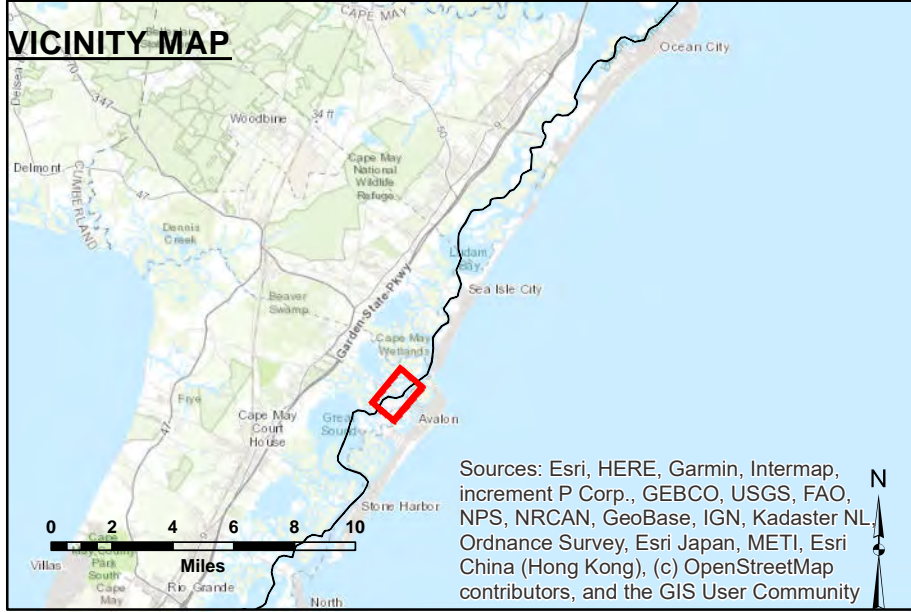
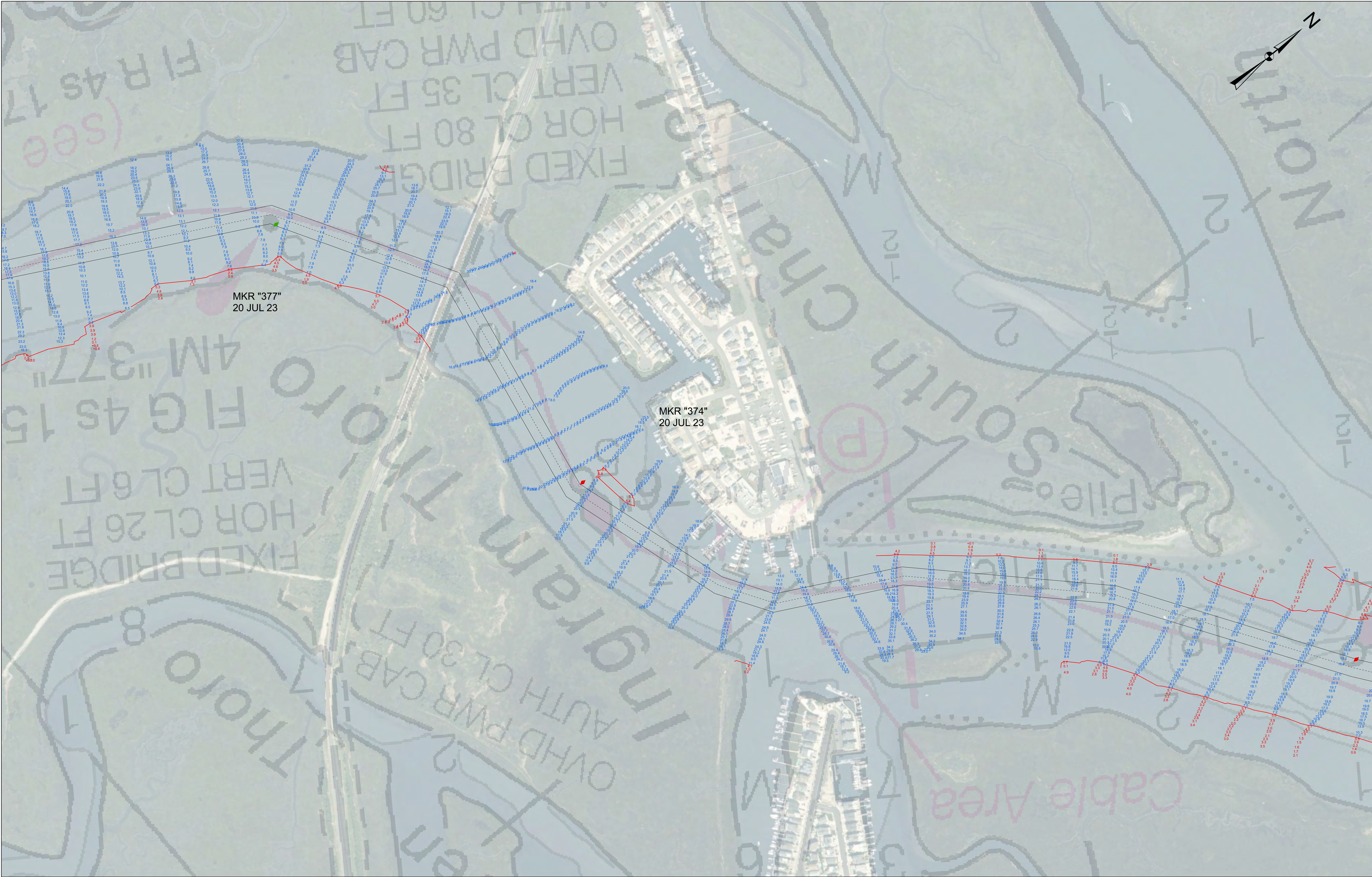
34th St Bridge to MKR #296 - 08 AUG 23
MKR #296 to MKR #303 - 04 AUG 23
MKR #303 to MKR #339 - 02 AUG 23
MKR #339 to MKR #356 - 01 JUL 23
MKR #356 to MKR #374 - 26 JUL 23
MKR #374 to MKR #374 - 26 JUL 23
MKR #374 to MKR #383 - 20 JUL 23

DISCLAIMER
This data is provided for general information only. It is not intended to be used for navigation or other purposes. The data is provided as is, without warranty. The user assumes all liability for any use of the data. The data is not to be used for navigation or other purposes. The data is provided as is, without warranty. The user assumes all liability for any use of the data.

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

NEW JERSEY INTRACOASTAL WATERWAY
34th ST BRIDGE TO MKR #383
EXAMINATION

IW-19



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.

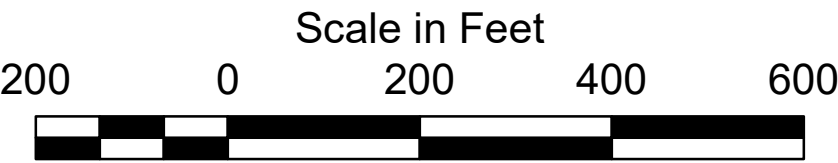
GEOID 12B AND NOAA TIDAL EPOCH: 1983 - 2001 WERE USED. SOUNDINGS ARE EXPRESSED IN FEET AND TENTHS AND REFER TO MEAN LOWER LOW WATER.

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**
- Green Buoy
 - Red Buoy
 - Shoalest Sounding per Quarter
 - 6' Curve of Depth
 - Centerline
 - ChannelFramework

US Army Corps of Engineers
Philadelphia District

34th St Bridge to MKR #296 -- 08 AUG 23
MKR #296 to MKR #303 -- 04 AUG 23
MKR #303 to MKR #339 -- 02 AUG 23
MKR #339 to MKR #356 -- 01 JUL 23
MKR #356 to MKR #357 -- 27 JUL 23
MKR #357 to MKR #374 -- 26 JUL 23
MKR #374 to MKR #383 -- 20 JUL 23

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Drawn By E. ANTONI	Surveyed By PHILADELPHIA DISTRICT
Print Scale 1" = 100'	Plotted By E. ANTONI
Approved Chief, Survey Section	Checked By

NEW JERSEY INTRACOASTAL WATERWAY
34th ST BRIDGE TO MKR #383
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