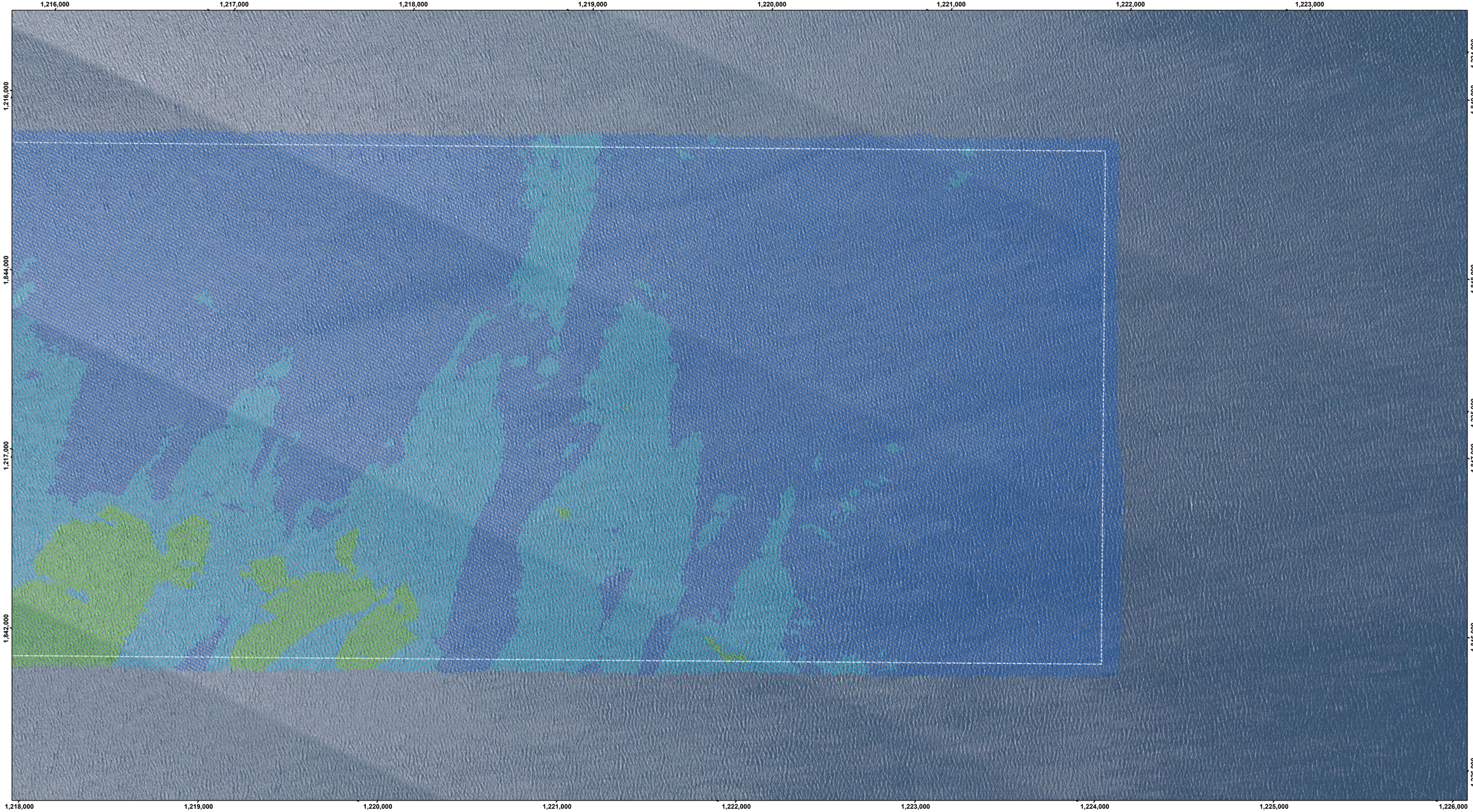
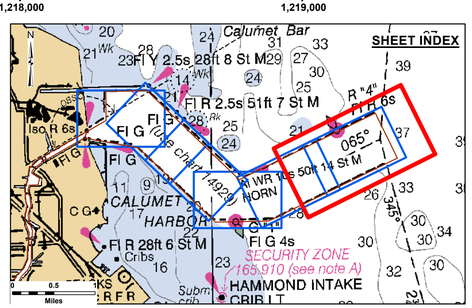
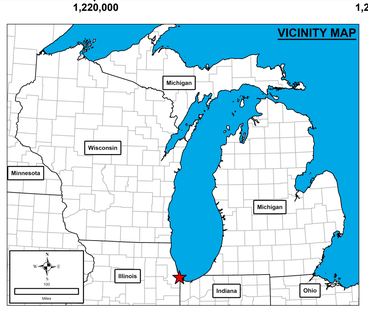






LEGEND

- Federal Navigation Channel
- Cable Submarine
- Cable Overhead
- Placement Area
- Obstruction Point
- Wrecks-Submerged
- Shoaling Area
- Shoalest Sounding
- Beacon, General
- Red Navigation Buoy
- Green Navigation Buoy

- 4+ Feet Above Authorized Channel Depth
- 2-4 Feet Above Authorized Channel Depth
- 0-2 Feet Above Authorized Channel Depth
- 0-2 Feet Below Authorized Channel Depth
- 2-4 Feet Below Authorized Channel Depth
- 4+ Feet Below Authorized Channel Depth

UNLESS OTHERWISE NOTED PROJECT DEPTH IS:
27.0' INNER HARBOR
28.0' OUTER HARBOR
29.0' APPROACH CHANNEL
DEPTH BELOW LOW WATER DATUM (LWD)

N W E S

0 155 310 620 930
Feet

NOTES: SURVEY CONTROL DATA IS AVAILABLE FROM THE USACE U-SMART WEBSITE. HTTPS://USMART.SEC.USACE.ARMY.MIL

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WATER LEVEL WAS DETERMINED USING RTK CORRECTIONS FROM HPRTK NETWORK SOLUTIONS.

US Army Corps of Engineers
District: CELRC

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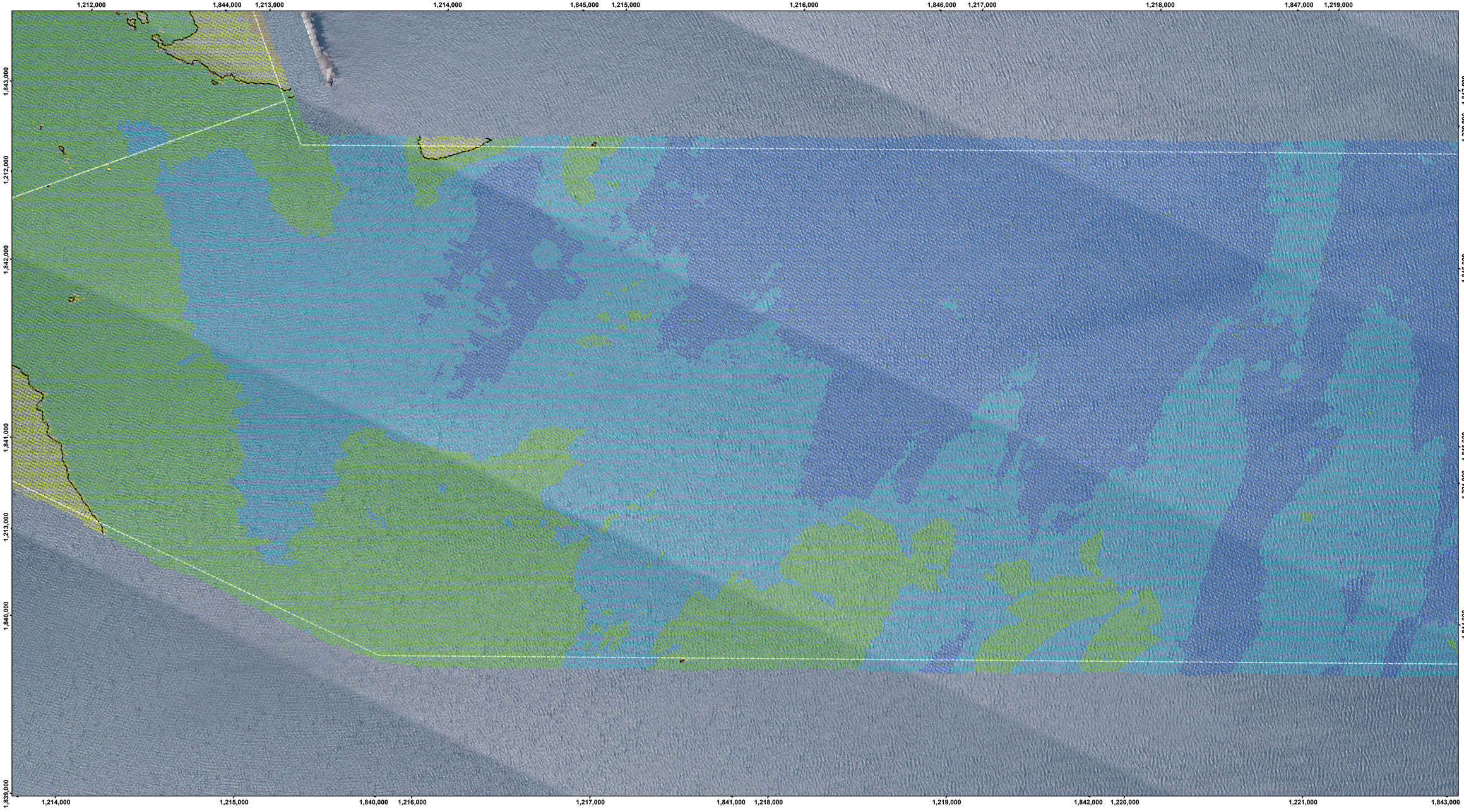
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Mapping: Geospatial Section, Chicago District
Reviewed by: Kevin Kwasny, Lake Michigan Project Office
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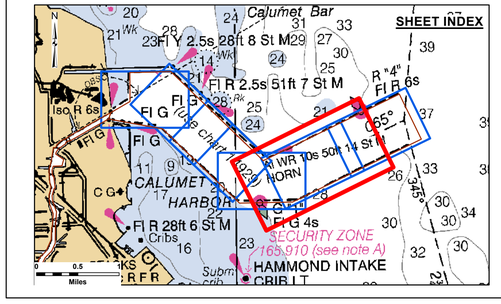
U.S. ARMY ENGINEER
CORPS OF ENGINEERS
CHICAGO, ILLINOIS

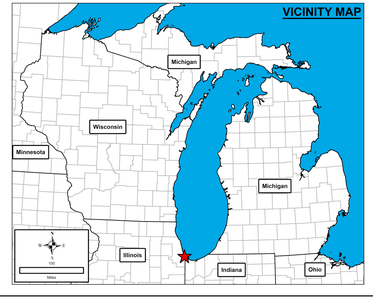
CALUMET HARBOR
LC_09_CAH_20260528_CS_20
28 May 2026

Sheet Reference Number
1 of 6

Revision Number:
5.25.11.05-5.25.11.05







LEGEND

- Federal Navigation Channel
- Cable Submarine
- Cable Overhead
- Placement Area
- Obstruction Point
- Wrecks-Submerged
- Shoaling Area
- Shoalest Sounding
- Beacon, General
- Red Navigation Buoy
- Green Navigation Buoy

- 4+ Feet Above Authorized Channel Depth
- 2-4 Feet Above Authorized Channel Depth
- 0-2 Feet Above Authorized Channel Depth
- 0-2 Feet Below Authorized Channel Depth
- 2-4 Feet Below Authorized Channel Depth
- 4+ Feet Below Authorized Channel Depth

UNLESS OTHERWISE NOTED PROJECT DEPTH IS:
27.0' INNER HARBOR
28.0' OUTER HARBOR
29.0' APPROACH CHANNEL
DEPTH BELOW LOW WATER DATUM (LWD)

N W E S

0 155 310 620 930
Feet

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US Army Corps of Engineers
District: CELRC

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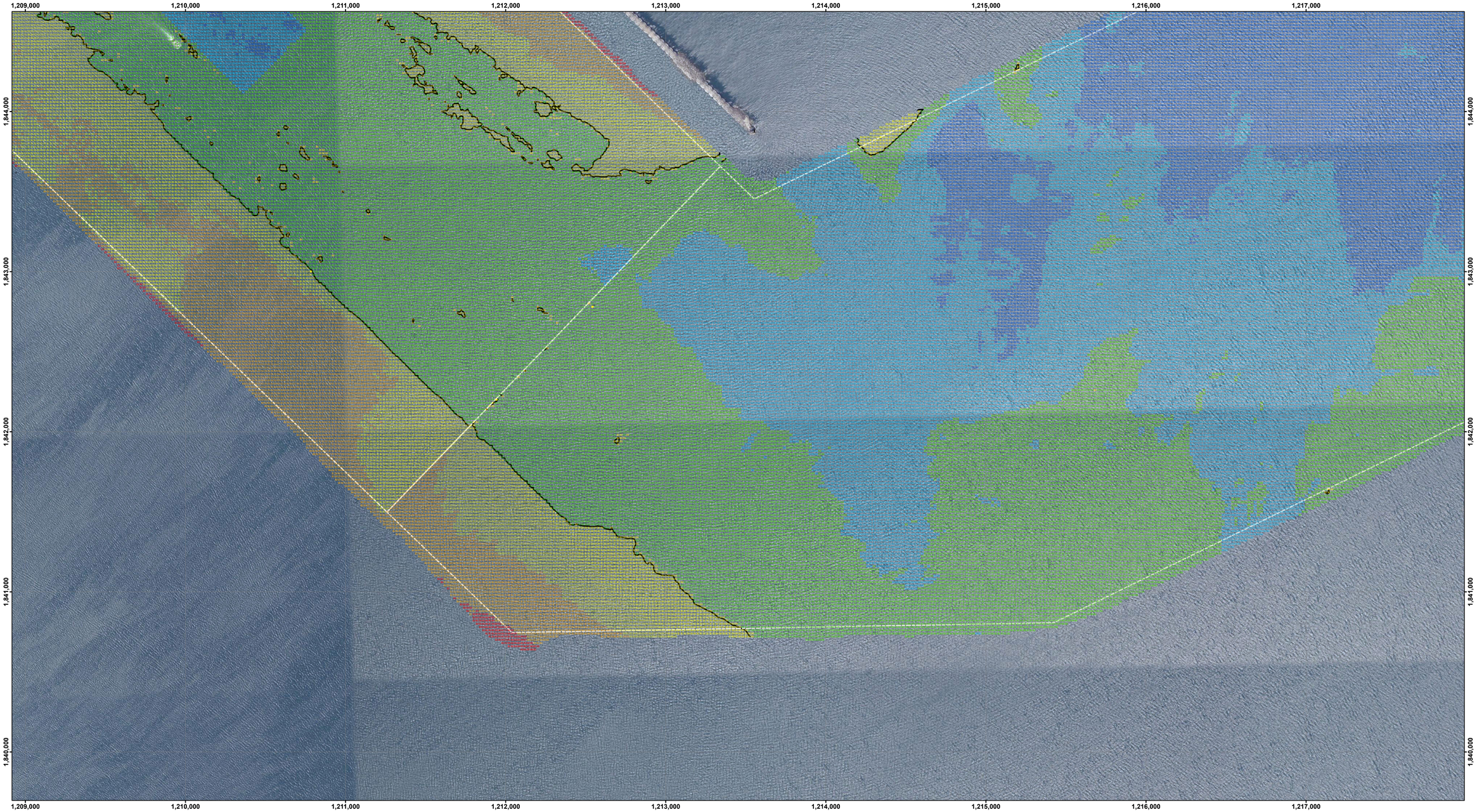
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Cory Brenner, Lake Michigan Project Office
Mapping:
Geospatial Section, Chicago District
Reviewed by:
Kevin Kwasny, Lake Michigan Project Office
Path:
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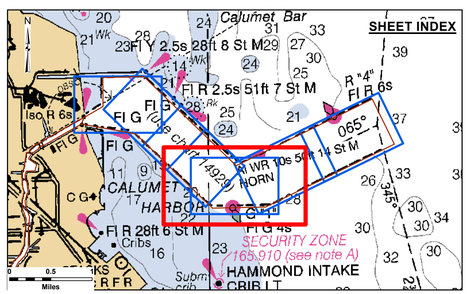
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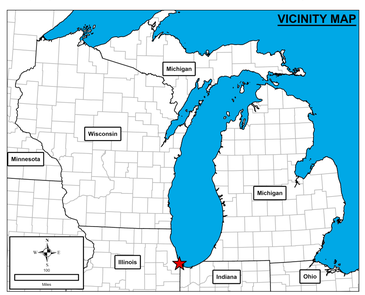
CALUMET HARBOR
LC_09_CAH_20260528_CS_20
28 May 2026

Sheet Reference Number
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Revision Number:
5.25.11.05-5.25.11.05







LEGEND

- Federal Navigation Channel
- Cable Submarine
- Cable Overhead
- Placement Area
- Obstruction Point
- Wrecks-Submerged
- Shoaling Area
- Shoalest Sounding
- Beacon, General
- Red Navigation Buoy
- Green Navigation Buoy

- 4+ Feet Above Authorized Channel Depth
- 2-4 Feet Above Authorized Channel Depth
- 0-2 Feet Above Authorized Channel Depth
- 0-2 Feet Below Authorized Channel Depth
- 2-4 Feet Below Authorized Channel Depth
- 4+ Feet Below Authorized Channel Depth

UNLESS OTHERWISE NOTED PROJECT DEPTH IS:
27.0' INNER HARBOR
28.0' OUTER HARBOR
29.0' APPROACH CHANNEL
DEPTH BELOW LOW WATER DATUM (LWD)

N W E S

0 155 310 620 930
Feet

NOTES: SURVEY CONTROL DATA IS AVAILABLE FROM THE USACE U-SMART WEBSITE. HTTPS://USMART.SEC.USACE.ARMY.MIL

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US Army Corps of Engineers
District: CELRC

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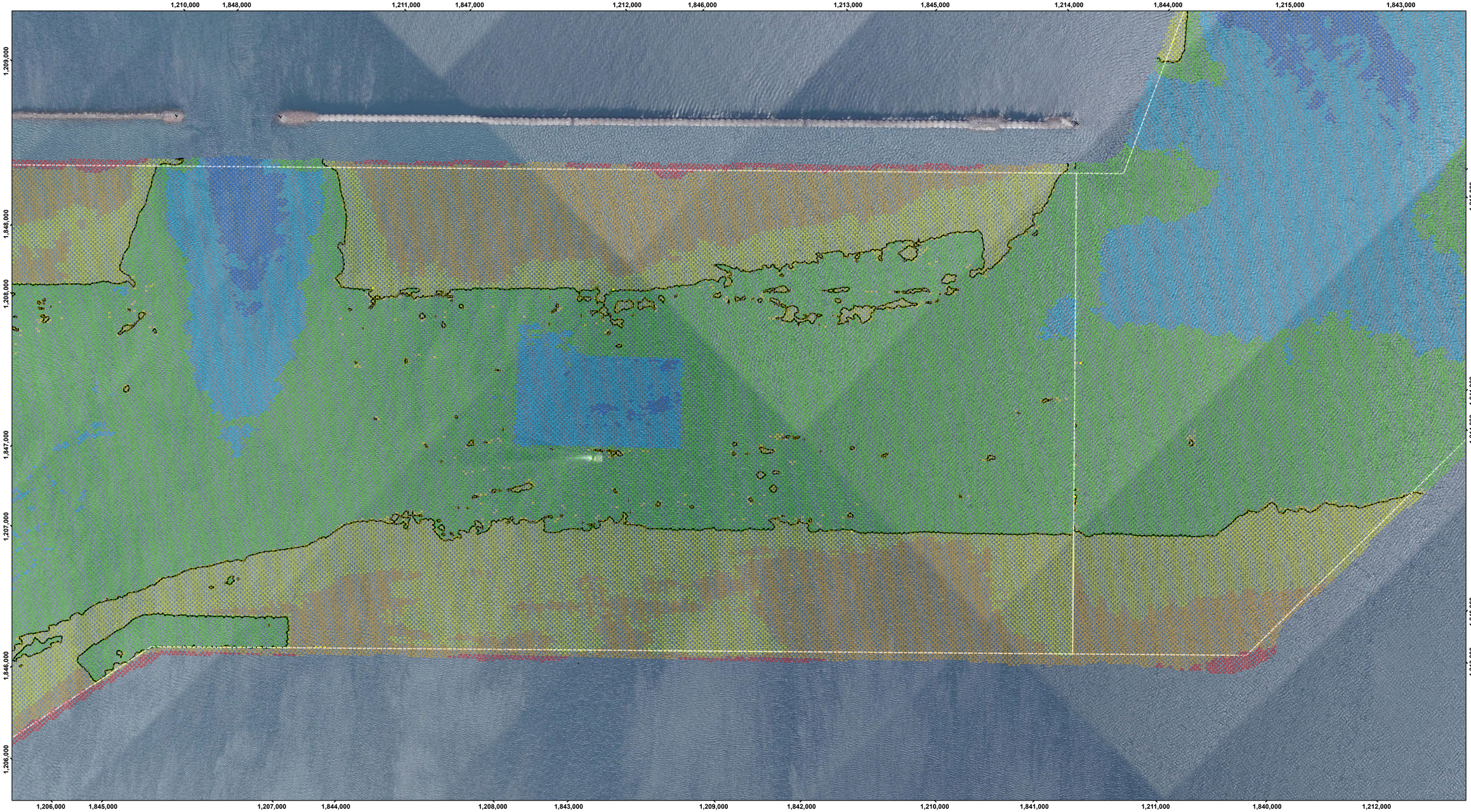
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CORPS OF ENGINEERS
CHICAGO, ILLINOIS

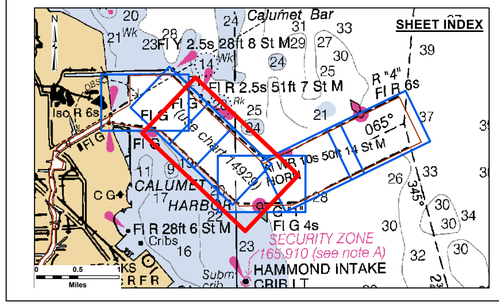
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Mapping: Geospatial Section, Chicago District
Reviewed by: Kevin Kwasny, Lake Michigan Project Office
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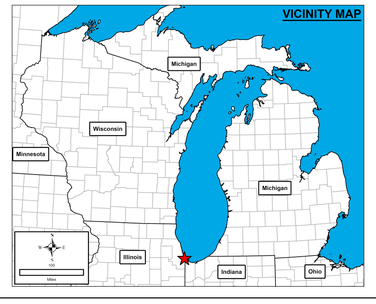
CALUMET HARBOR
LC_09_CAH_20260528_CS_20
28 May 2026

Sheet Reference Number
3 of 6

Revision Number:
5.25.11.05-5.25.11.05







LEGEND

- Federal Navigation Channel
- Cable Submarine
- Cable Overhead
- Placement Area
- Obstruction Point
- Wrecks-Submerged
- Shoaling Area
- Shoalest Sounding
- Beacon, General
- Red Navigation Buoy
- Green Navigation Buoy

- 4+ Feet Above Authorized Channel Depth
- 2-4 Feet Above Authorized Channel Depth
- 0-2 Feet Above Authorized Channel Depth
- 0-2 Feet Below Authorized Channel Depth
- 2-4 Feet Below Authorized Channel Depth
- 4+ Feet Below Authorized Channel Depth

UNLESS OTHERWISE NOTED PROJECT DEPTH IS:
27.0' INNER HARBOR
28.0' OUTER HARBOR
29.0' APPROACH CHANNEL
DEPTH BELOW LOW WATER DATUM (LWD)

N E S W

0 155 310 620 930
Feet

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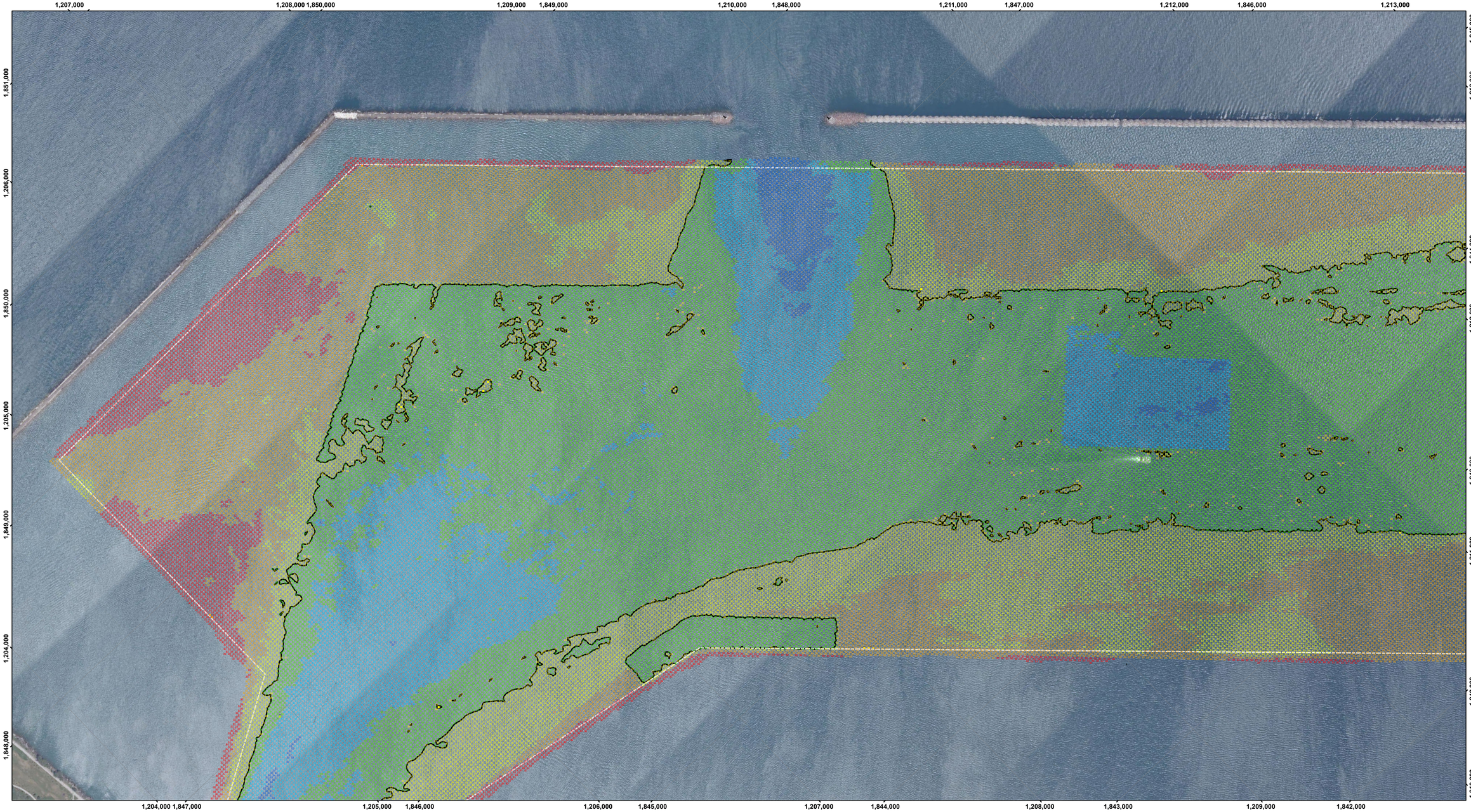
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CORPS OF ENGINEERS
CHICAGO, ILLINOIS

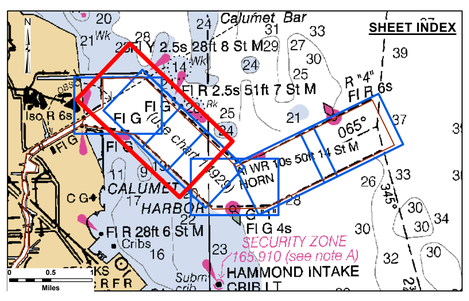
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Mapping: Geospatial Section, Chicago District
Reviewed by: Kevin Kwasny, Lake Michigan Project Office
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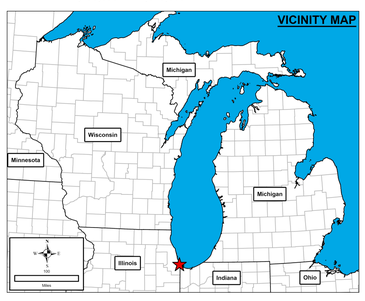
CALUMET HARBOR
LC_09_CAH_20260528_CS_20
28 May 2026

Sheet Reference Number
4 of 6

Revision Number:
5.25.11.05-5.25.11.05







LEGEND

- Federal Navigation Channel
- Cable Submarine
- Cable Overhead
- Placement Area
- Obstruction Point
- Wrecks-Submerged
- Shoaling Area
- Shoalest Sounding
- Beacon, General
- Red Navigation Buoy
- Green Navigation Buoy

- 4+ Feet Above Authorized Channel Depth
- 2-4 Feet Above Authorized Channel Depth
- 0-2 Feet Above Authorized Channel Depth
- 0-2 Feet Below Authorized Channel Depth
- 2-4 Feet Below Authorized Channel Depth
- 4+ Feet Below Authorized Channel Depth

UNLESS OTHERWISE NOTED PROJECT DEPTH IS:
27.0' INNER HARBOR
28.0' OUTER HARBOR
29.0' APPROACH CHANNEL
DEPTH BELOW LOW WATER DATUM (LWD)

N E S W

0 155 310 620 930
Feet

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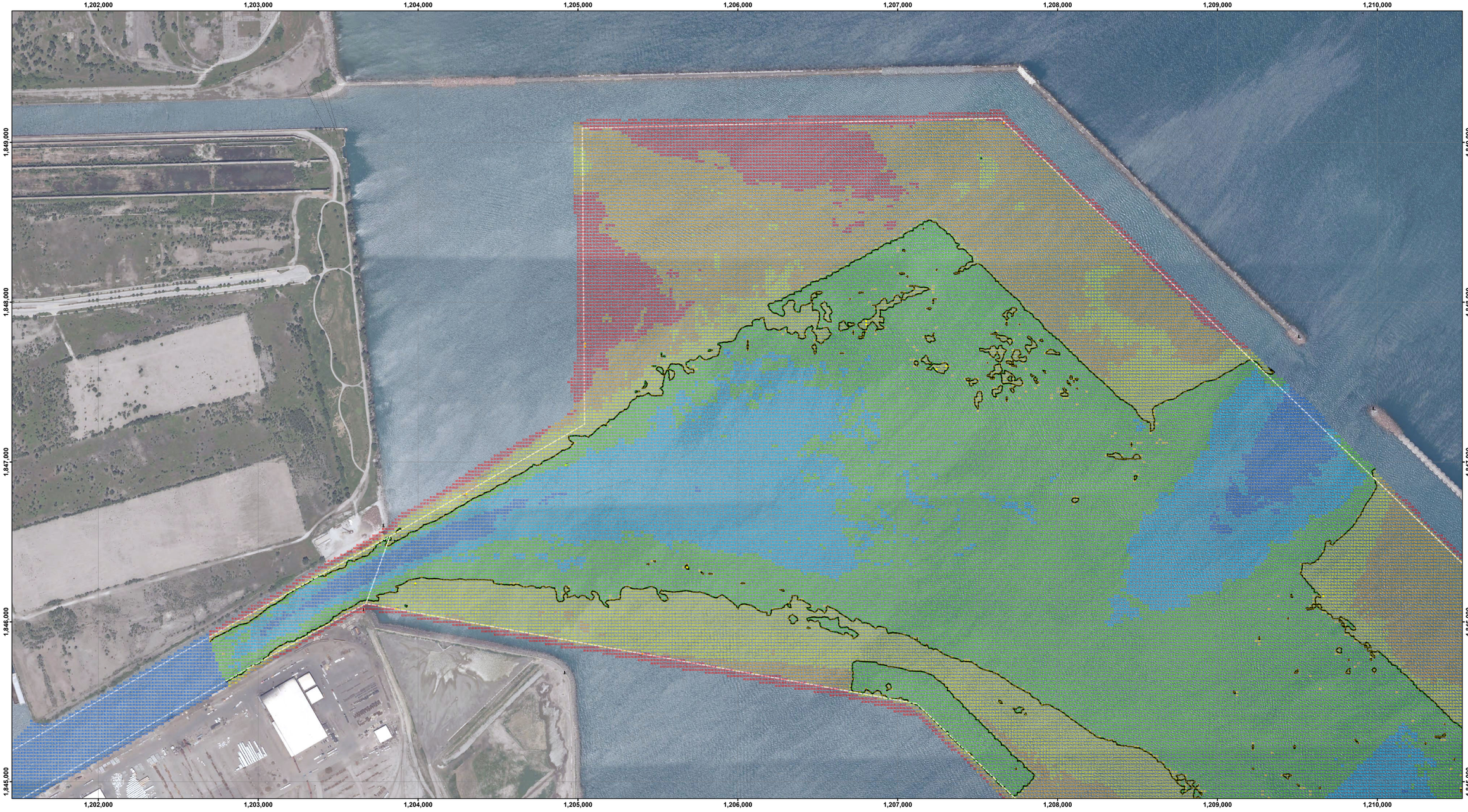
Surveyed by: Cory Brenner, Lake Michigan Project Office
Mapping: Geospatial Section, Chicago District
Reviewed by: Kevin Kwasny, Lake Michigan Project Office
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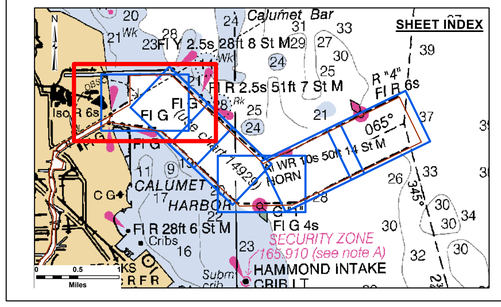
U.S. ARMY ENGINEER CORPS OF ENGINEERS CHICAGO, ILLINOIS

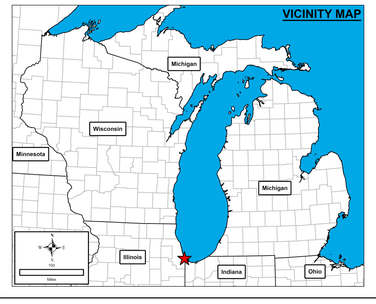
CALUMET HARBOR
LC_09_CAH_20260528_CS_20
28 May 2026

Sheet Reference Number
5 of 6

Revision Number:
5.25.11.05-5.25.11.05







LEGEND

- Federal Navigation Channel
- Cable Submarine
- Cable Overhead
- Placement Area
- Obstruction Point
- Wrecks-Submerged
- Shoaling Area
- Shoalest Sounding
- Beacon, General
- Red Navigation Buoy
- Green Navigation Buoy

- 4+ Feet Above Authorized Channel Depth
- 2-4 Feet Above Authorized Channel Depth
- 0-2 Feet Above Authorized Channel Depth
- 0-2 Feet Below Authorized Channel Depth
- 2-4 Feet Below Authorized Channel Depth
- 4+ Feet Below Authorized Channel Depth

UNLESS OTHERWISE NOTED PROJECT DEPTH IS:
27.0' INNER HARBOR
28.0' OUTER HARBOR
29.0' APPROACH CHANNEL
DEPTH BELOW LOW WATER DATUM (LWD)

N
W E
S

0 155 310 620 930
Feet

NOTES: SURVEY CONTROL DATA IS AVAILABLE FROM THE USACE U-SMART WEBSITE. HTTPS://USMART.SEC.USACE.ARMY.MIL

THE COORDINATE GRID SYSTEM SHOWN IS REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, EAST ZONE 1201, NORTH AMERICAN DATUM 1983 (NAD83), US SURVEY FOOT.

ALL SOUNDINGS ARE IN FEET AND ARE REFERENCED TO LOW WATER DATUM ELEVATION, 577.5 FEET ABOVE MEAN WATER LEVEL AT RIMOUSKI, QUEBEC (INTERNATIONAL GREAT LAKES DATUM 1985).

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

THE SOUNDINGS INDICATED HERE IN ARE GENERALIZED DEPTHS AND ARE NOT REPRESENTATIVE OF THE FULL DATA SET. THE SOUNDINGS REPRESENT THE MINIMUM DEPTH FOUND WITHIN THE 20'X20' AREA CENTERED ON THE TEXT, DERIVED FROM A 1'X1' AVERAGE DATA SET AT CELL CENTER. THIS MAP SHOULD NOT BE USED FOR CHANNEL CLEARANCE OR VOLUME COMPUTATIONS. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SHOAL REMOVAL OPERATIONS AND NOTICE TO NAVIGATION INTERESTS.

THE SURVEY SHOWN WAS CONDUCTED BY THE LAKE MICHIGAN PROJECT OFFICE SURVEY PARTY ON DATE SHOWN IN TITLE BLOCK USING A R2SONIC 2026 MULTIBEAM ECHOSOUNDER, AN I2NS TYPE I WITH RTK CORRECTIONS FOR MOTION COMPENSATION AND POSITIONING, HYPACK 2025, AND SURVEY VESSEL LAUNCH 3059.

WATER LEVEL WAS DETERMINED USING RTK CORRECTIONS FROM HPRTK NETWORK SOLUTIONS.

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US Army Corps of Engineers
District: CELRC

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CALUMET HARBOR
LC_09_CAH_20260528_CS_20
28 May 2026

Sheet Reference Number
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Revision Number:
5.25.11.05-5.25.11.05