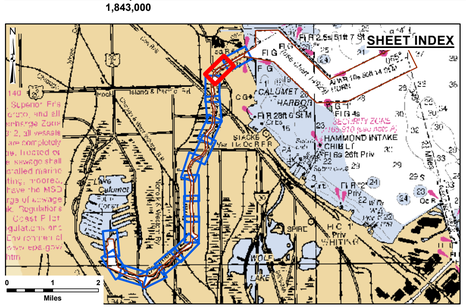
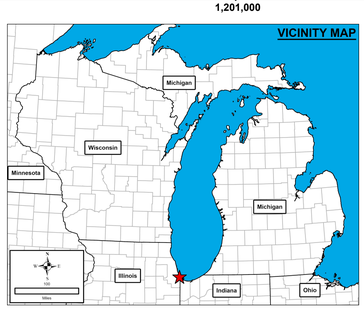






LEGEND

- 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:
29.0' APPROACH CHANNEL
28.0' OUTER HARBOR
27.0' INNER HARBOR
27.0' RIVER
DEPTH BELOW LOW WATER DATUM (LWD)



0 50 100 200 300
Feet

NOTES:

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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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Surveyed by:	Cory Brenner, Lake Michigan Project Office
Mapping:	Geospatial Section, Chicago District
Reviewed by:	Kevin Kwasny, Lake Michigan Project Office
Path:	C:\Working\ehydroproducts\MXD\LC_10_CAR_20260527_CS_20.mxd

U.S. ARMY ENGINEER
CORPS OF ENGINEERS
CHICAGO, ILLINOIS

CALUMET RIVER
LC_10_CAR_20260527_CS_20
27 May 2026

Sheet Reference Number
2 of 16

Revision Number:
5.25.11.05-5.25.11.05

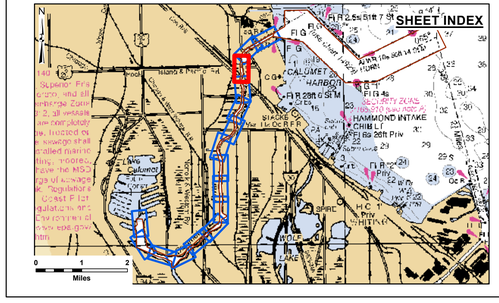
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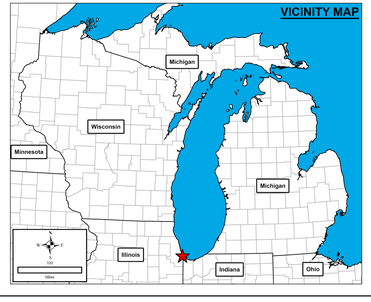
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1,200,000

1,841,000 1,842,000 1,843,000





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:
29.0' APPROACH CHANNEL
28.0' OUTER HARBOR
27.0' INNER HARBOR
27.0' RIVER
DEPTH BELOW LOW WATER DATUM (LWD)

W S N E

0 50 100 200 300
Feet

NOTES:

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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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U.S. ARMY ENGINEER
CORPS OF ENGINEERS
CHICAGO, ILLINOIS

Surveyed by:
Cory Brenner, Lake Michigan Project Office

Mapping:
Geospatial Section, Chicago District

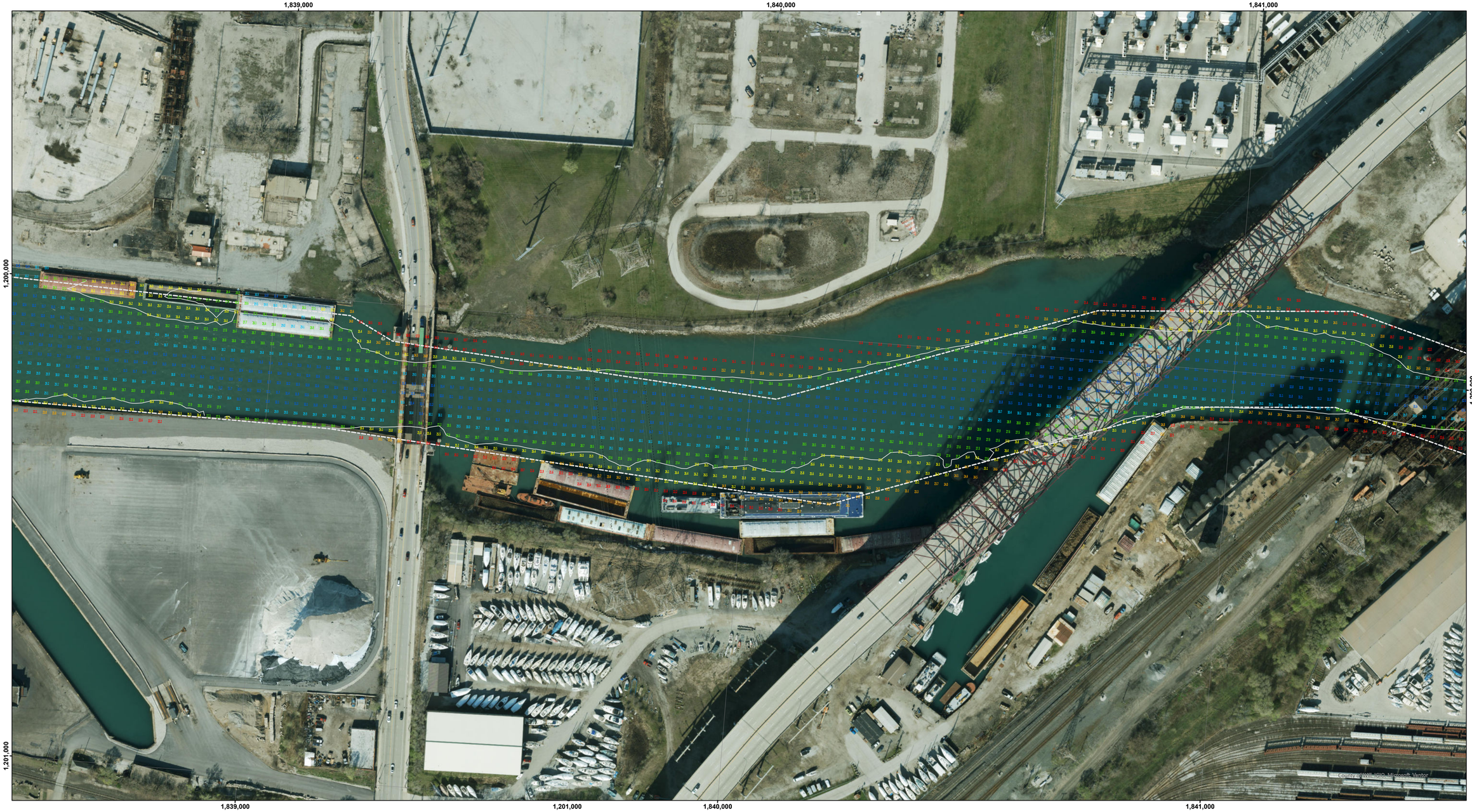
Reviewed by:
Kevin Kwasny, Lake Michigan Project Office

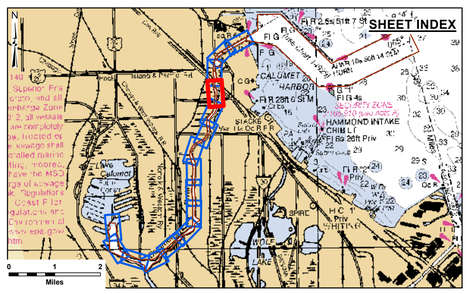
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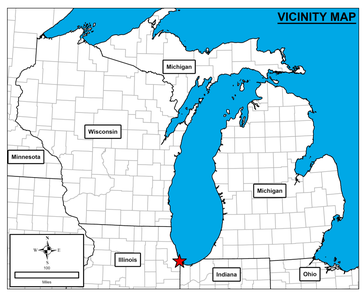
CALUMET RIVER
LC_10_CAR_20260527_CS_20
27 May 2026

Sheet Reference Number
3 of 16

Revision Number:
5.25.11.05-5.25.11.05





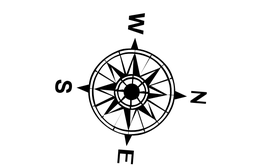


LEGEND

- 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:
29.0' APPROACH CHANNEL
28.0' OUTER HARBOR
27.0' INNER HARBOR
27.0' RIVER
DEPTH BELOW LOW WATER DATUM (LWD)



NOTES:

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US Army Corps of Engineers
District: CELRC

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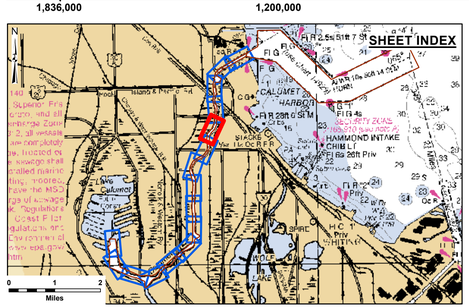
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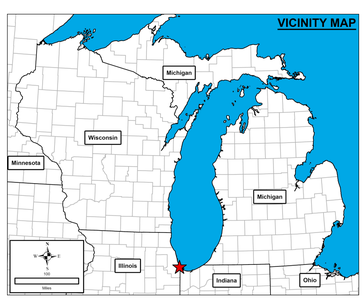
CALUMET RIVER
LC_10_CAR_20260527_CS_20
27 May 2026

Sheet Reference Number
4 of 16

Revision Number:
5.25.11.05-5.25.11.05





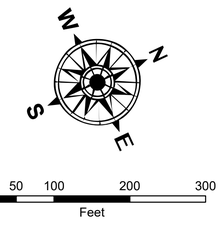


LEGEND

- 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:
29.0' APPROACH CHANNEL
28.0' OUTER HARBOR
27.0' INNER HARBOR
27.0' RIVER
DEPTH BELOW LOW WATER DATUM (LWD)



NOTES:

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US Army Corps of Engineers
District: CELRC

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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

Path:
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U.S. ARMY ENGINEER
CORPS OF ENGINEERS
CHICAGO, ILLINOIS

CALUMET RIVER
LC_10_CAR_20260527_CS_20
27 May 2026

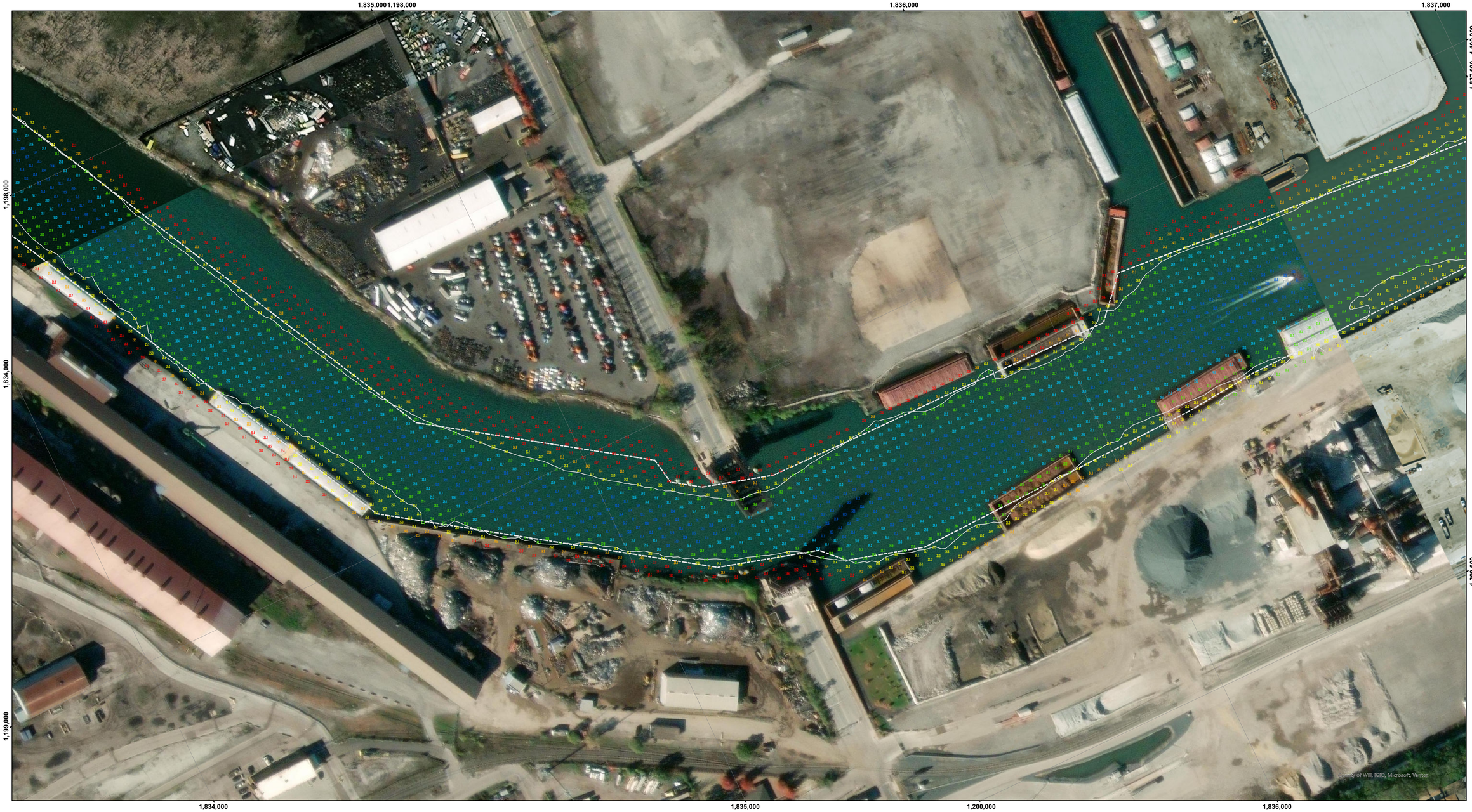
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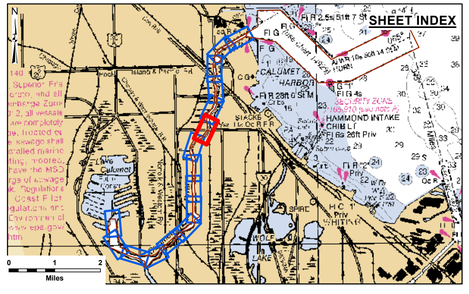
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5.25.11.05-5.25.11.05

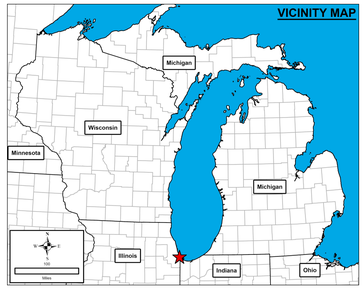
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1,198,000 1,834,000 1,199,000 1,200,000

1,834,000 1,835,000 1,200,000 1,836,000







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
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- 4+ Feet Below Authorized Channel Depth

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

N NE E SE S

0 50 100 200 300
Feet

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US Army Corps of Engineers
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	Mapping Geospatial Section, Chicago District
	Reviewed by: Kevin Kwasny, Lake Michigan Project Office
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CALUMET RIVER
LC_10_CAR_20260527_CS_20
27 May 2026

Sheet Reference Number
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Revision Number:
5.25.11.05-5.25.11.05

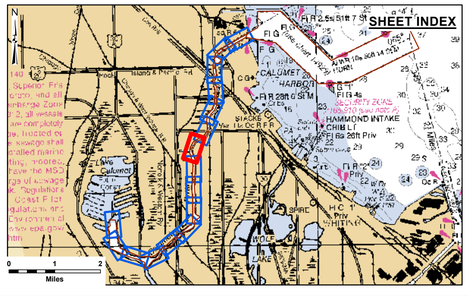
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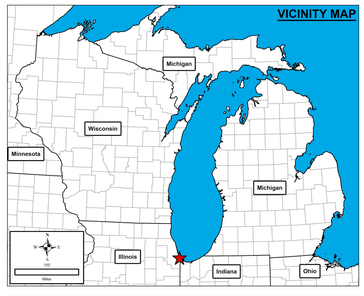
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1,197,000

1,198,000 1,832,000 1,833,000 1,834,000

County of Will, IGIO, Microsoft, Vantor





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:
29.0' APPROACH CHANNEL
28.0' OUTER HARBOR
27.0' INNER HARBOR
27.0' RIVER
DEPTH BELOW LOW WATER DATUM (LWD)

N W E S

0 50 100 200 300
Feet

NOTES:

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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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CORPS OF ENGINEERS
CHICAGO, ILLINOIS

Surveyed by:
Cory Brenner, Lake Michigan Project Office

Mapping:
Geospatial Section, Chicago District

Reviewed by:
Kevin Kwasny, Lake Michigan Project Office

Path:
C:\Working\ehyrproducts\MXD\LC_10_CAR_20260527_CS_20.mxd

CALUMET RIVER
LC_10_CAR_20260527_CS_20
27 May 2026

Sheet Reference Number
7 of 16

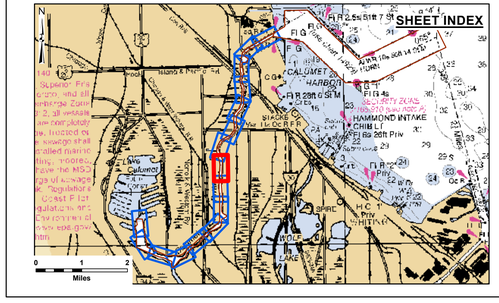
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5.25.11.05-5.25.11.05

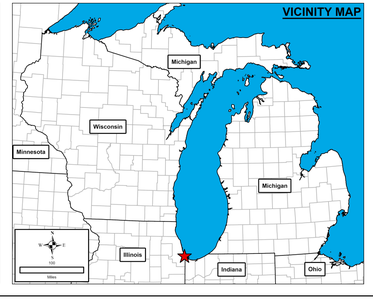
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1,198,000







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:
29.0' APPROACH CHANNEL
28.0' OUTER HARBOR
27.0' INNER HARBOR
27.0' RIVER
DEPTH BELOW LOW WATER DATUM (LWD)

W S N E

0 50 100 200 300
Feet

NOTES:

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US Army Corps of Engineers
District: CELRC

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CHICAGO, ILLINOIS

Surveyed by: Cory Brenner, Lake Michigan Project Office
Mapping: Geospatial Section, Chicago District
Reviewed by: Kevin Kwasny, Lake Michigan Project Office
Path: C:\Working\ehlyst\projects\MWX\LC_10_CAR_20260527_CS_20.mxx

CALUMET RIVER
LC_10_CAR_20260527_CS_20
27 May 2026

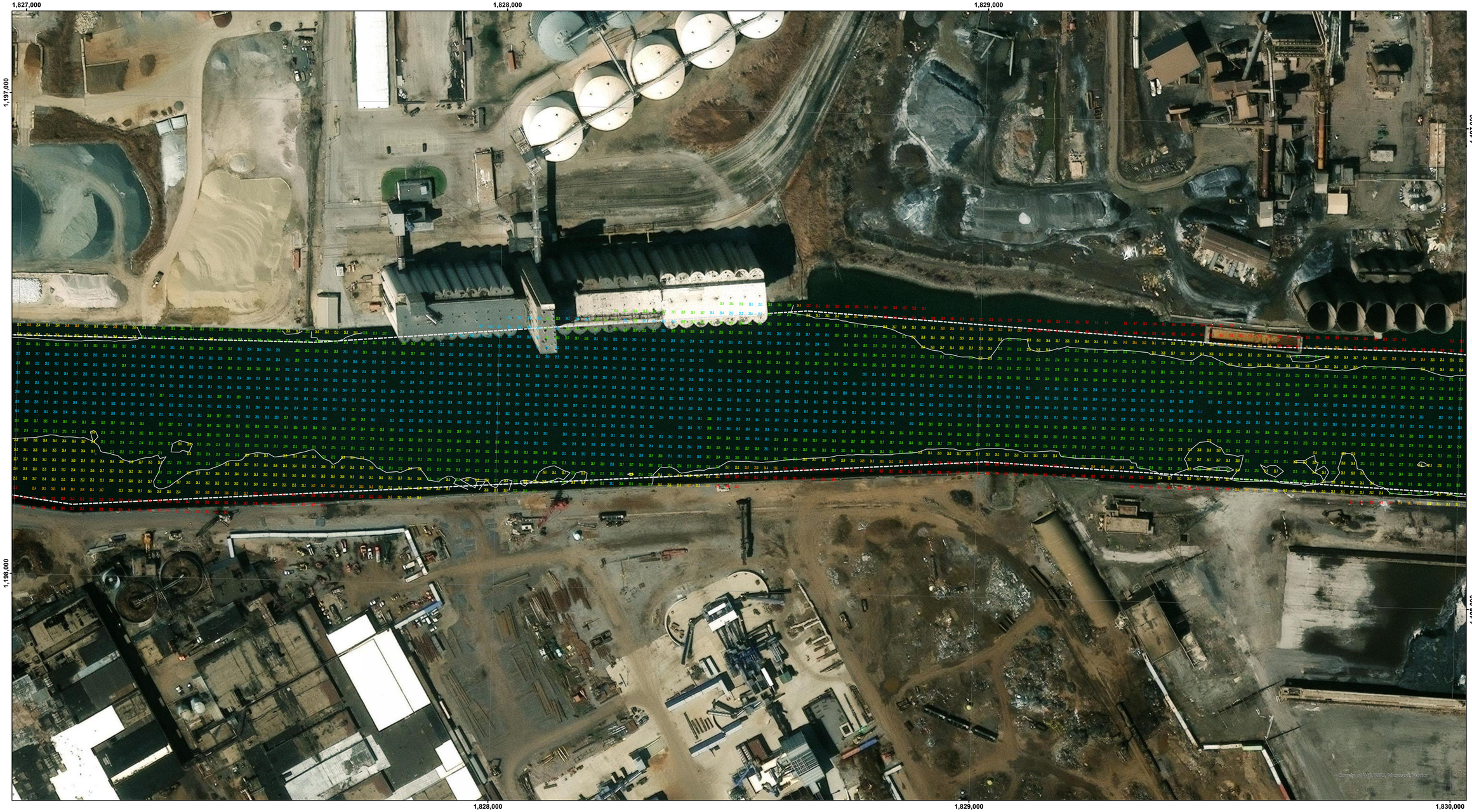
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Revision Number:
5.25.11.05-5.25.11.05

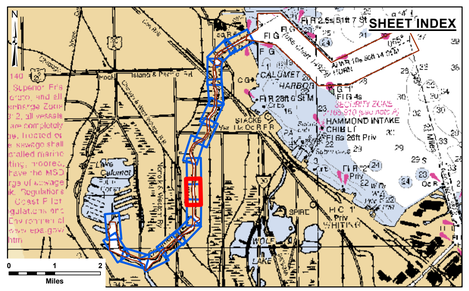
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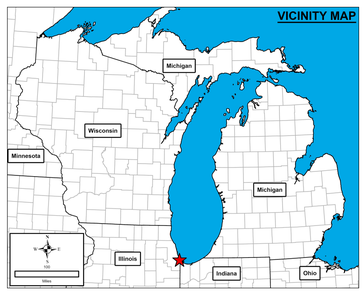
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1,198,000



1,828,000 1,829,000 1,830,000





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:
29.0' APPROACH CHANNEL
28.0' OUTER HARBOR
27.0' INNER HARBOR
27.0' RIVER
DEPTH BELOW LOW WATER DATUM (LWD)

W S N E

0 50 100 200 300
Feet

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US Army Corps of Engineers
District: CELRC

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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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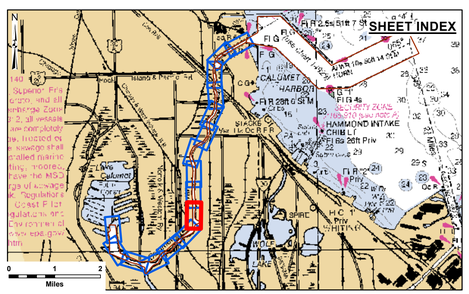
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CORPS OF ENGINEERS
CHICAGO, ILLINOIS

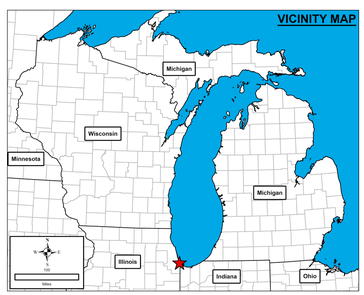
CALUMET RIVER
LC_10_CAR_20260527_CS_20
27 May 2026

Sheet Reference Number
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Revision Number:
5.25.11.05-5.25.11.05





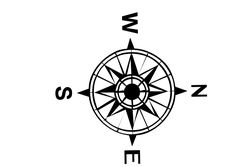


LEGEND

- 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:
29.0' APPROACH CHANNEL
28.0' OUTER HARBOR
27.0' INNER HARBOR
27.0' RIVER
DEPTH BELOW LOW WATER DATUM (LWD)



NOTES:

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US Army Corps of Engineers
District: CELRC

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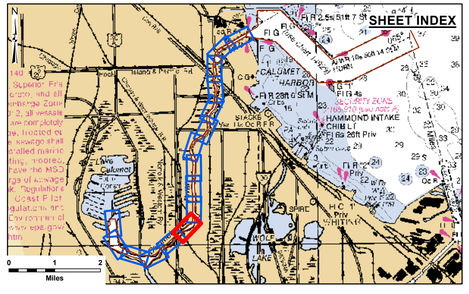
Surveyed by:
Cory Brenner, Lake Michigan Project Office
Mapping:
Geospatial Section, Chicago District
Reviewed by:
Kevin Kwasniy, Lake Michigan Project Office
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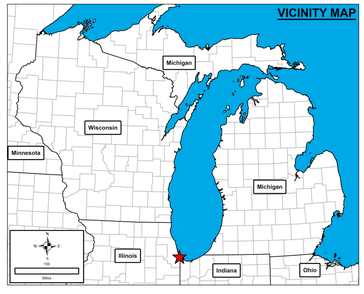
CALUMET RIVER
LC_10_CAR_20260527_CS_20
27 May 2026

Sheet Reference Number
10 of 16

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:
29.0' APPROACH CHANNEL
28.0' OUTER HARBOR
27.0' INNER HARBOR
27.0' RIVER
DEPTH BELOW LOW WATER DATUM (LWD)

0 50 100 200 300
Feet

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US Army Corps of Engineers
District: CELRC

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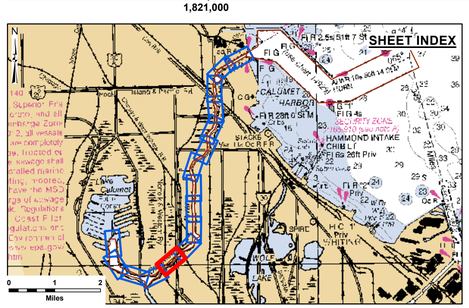
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Mapping: Geospatial Section, Chicago District
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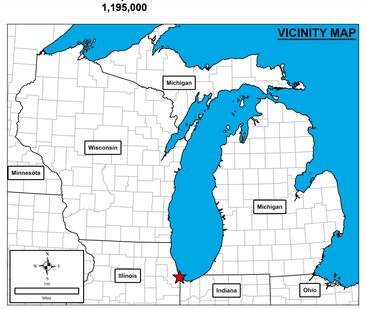
CALUMET RIVER
LC_10_CAR_20260527_CS_20
27 May 2026

Sheet Reference Number
11 of 16

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
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27.0' INNER HARBOR
27.0' RIVER
DEPTH BELOW LOW WATER DATUM (LWD)

0 50 100 200 300
Feet

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US Army Corps of Engineers
District: CELRC

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Mapping:	Geospatial Section, Chicago District
Reviewed by:	Kevin Kwasny, Lake Michigan Project Office
Path:	C:\Working\ehydroproducts\MXD\LC_10_CAR_20260527_CS_20.mxx

U.S. ARMY ENGINEER CORPS OF ENGINEERS CHICAGO, ILLINOIS

CALUMET RIVER
LC_10_CAR_20260527_CS_20
27 May 2026

Sheet Reference Number
12 of 16

Revision Number:
5.25.11.05-5.25.11.05



US Army Corps of Engineers
District: CELRC

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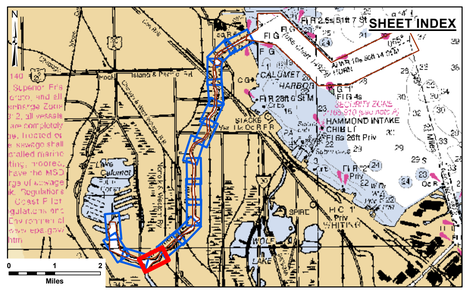
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Mapping: Geospatial Section, Chicago District
Reviewed by: Kevin Kwasny, Lake Michigan Project Office
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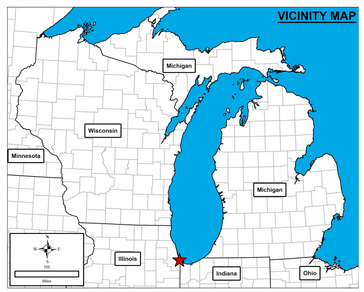
U.S. ARMY ENGINEER CORPS OF ENGINEERS CHICAGO, ILLINOIS

CALUMET RIVER
LC_10_CAR_20260527_CS_20
27 May 2026

Sheet Reference Number
13 of 16

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:
29.0' APPROACH CHANNEL
28.0' OUTER HARBOR
27.0' INNER HARBOR
27.0' RIVER
DEPTH BELOW LOW WATER DATUM (LWD)

N W E S

0 50 100 200 300
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.

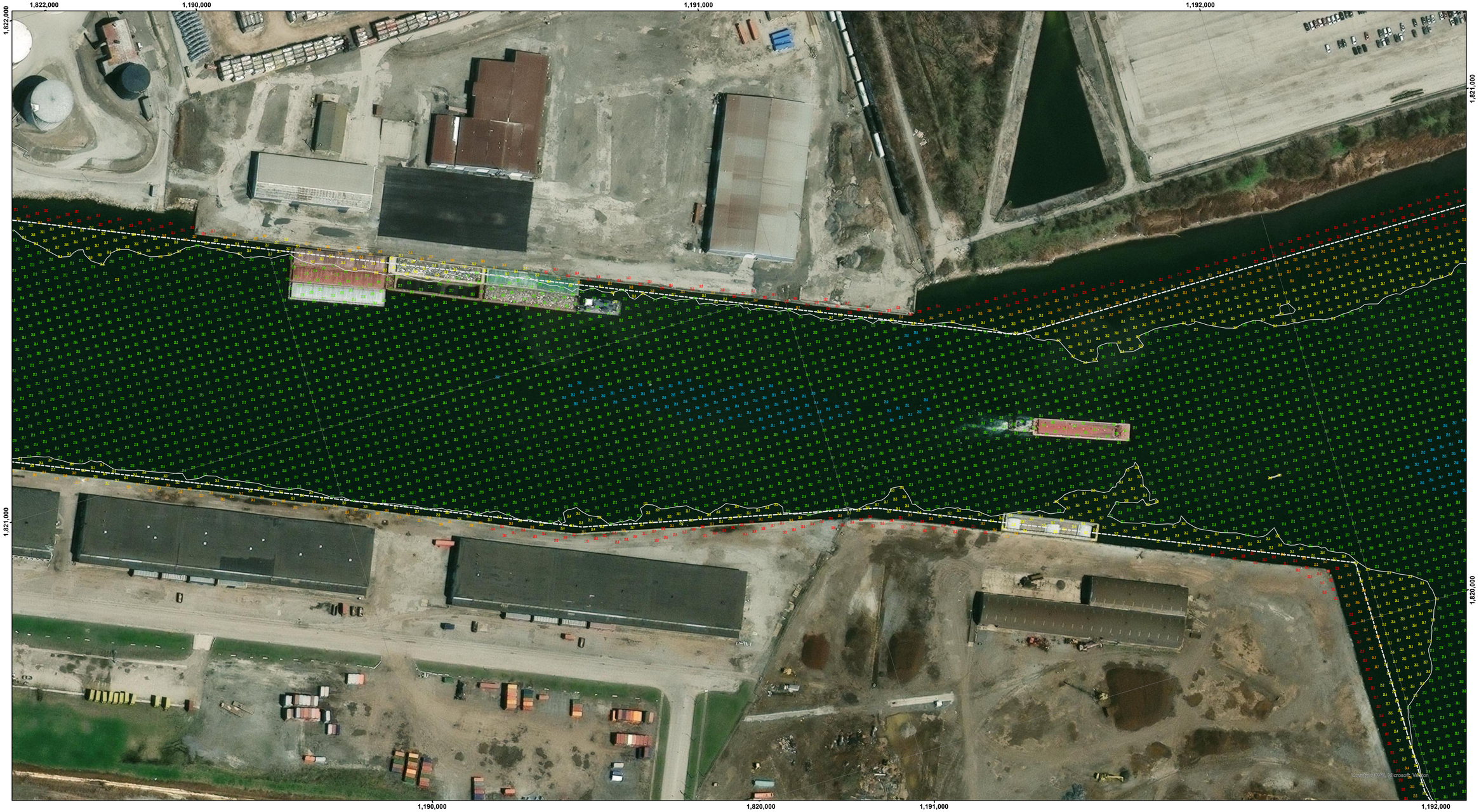
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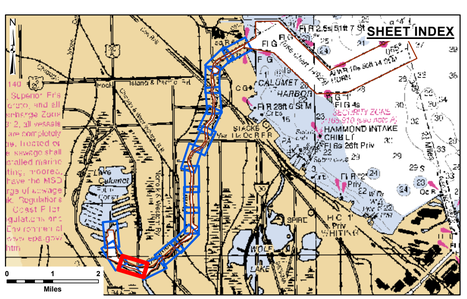
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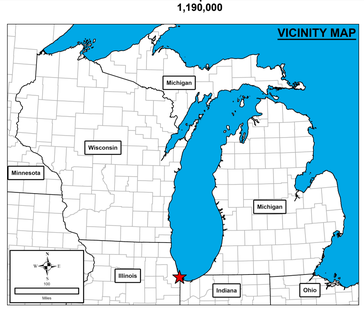
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WATER LEVEL WAS DETERMINED USING RTK CORRECTIONS FROM HPRTK NETWORK SOLUTIONS.







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

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- 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:
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28.0' OUTER HARBOR
27.0' INNER HARBOR
27.0' RIVER
DEPTH BELOW LOW WATER DATUM (LWD)

N E S W

0 50 100 200 300
Feet

NOTES:

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US Army Corps of Engineers
District: CELRC

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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 RIVER
LC_10_CAR_20260527_CS_20
27 May 2026

Sheet Reference Number
14 of 16

Revision Number:
5.25.11.05-5.25.11.05

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1,188,000

1,823,000

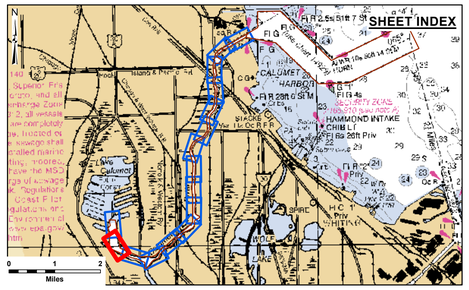
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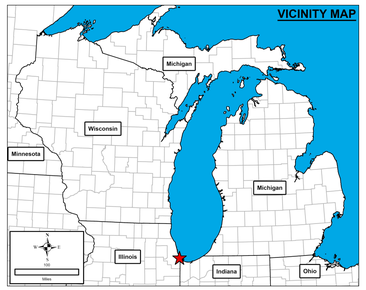
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LEGEND

- Federal Navigation Channel
- Cable Submarine
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29.0' APPROACH CHANNEL
28.0' OUTER HARBOR
27.0' INNER HARBOR
27.0' RIVER
DEPTH BELOW LOW WATER DATUM (LWD)

N E S W

0 50 100 200 300
Feet

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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 RIVER

LC_10_CAR_20260527_CS_20

27 May 2026

Sheet Reference Number
15 of 16

Revision Number:
5.25.11.05-5.25.11.05

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1,826,000 1,189,000 1,188,000



1,825,000 1,824,000 1,823,000

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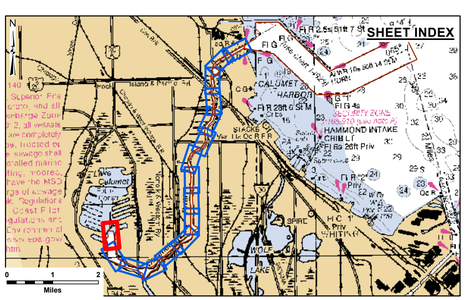
U.S. ARMY ENGINEER CORPS OF ENGINEERS CHICAGO, ILLINOIS

CALUMET RIVER
LC_10_CAR_20260527_CS_20
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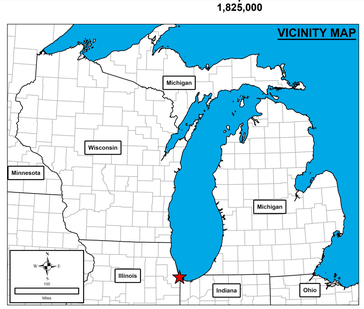
Sheet Reference Number 16 of 16

Revision Number: 5.25.11.05-5.25.11.05

SHEET INDEX



VICINITY MAP

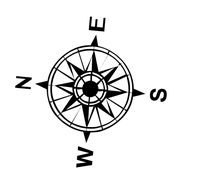


LEGEND

- Federal Navigation Channel
- Cable Submarine
- Cable Overhead
- Placement Area
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- Wrecks-Submerged
- Shoaling Area
- Shoalest Sounding
- Beacon, General
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28.0' OUTER HARBOR
27.0' INNER HARBOR
27.0' RIVER
DEPTH BELOW LOW WATER DATUM (LWD)



0 50 100 200 300
Feet

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