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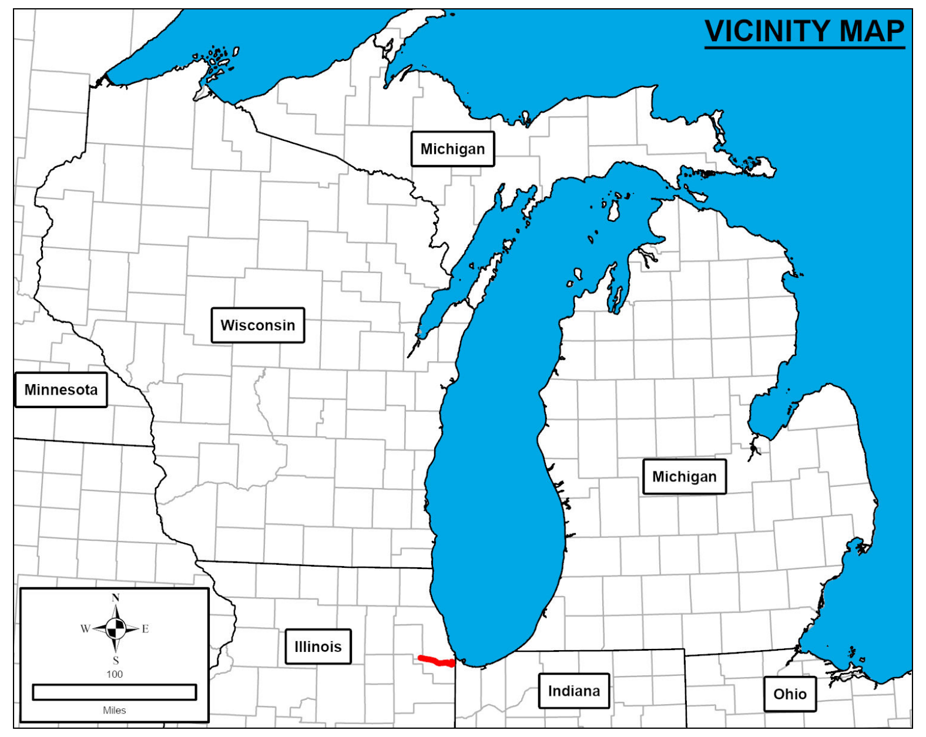
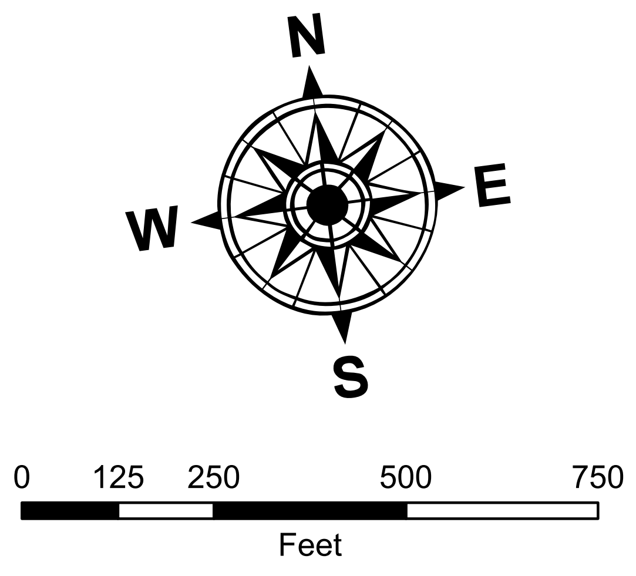


## LEGEND

| | | | |
|---|---|---|---|
| ━ ━ · | Federal Navigation Channel | 🟥 | Shoaling Area |
| ······ | Cable Submarine | ● | Shoalest Sounding |
| – – | Cable Overhead | ⊥ | Beacon, General |
| ▭ | Placement Area | ♦ | Red Navigation Lights |
| ⊠ | Obstruction Point | ♦ | Green Navigation Lights |
| ⤙ | Wrecks-Submerged | ♦ | Red/Green Navigation Lights |

| | |
|---|---|
| 🟥 | 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:
9.0' CHANNEL
DEPTH BELOW LOW WATER DATUM (LWD)



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Mapping:
Geospatial Section, Chicago District
Reviewed by:
Kevin Kwasny, Lake Michigan Project Office
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# IL Waterway Cal Sag Channel

**IL_CS_LRC_20251006_CS_30**

**06 October 2025**

**Sheet Reference Number**
**1 of 22**

Revison Number:
5.25.11.05-5.25.11.05

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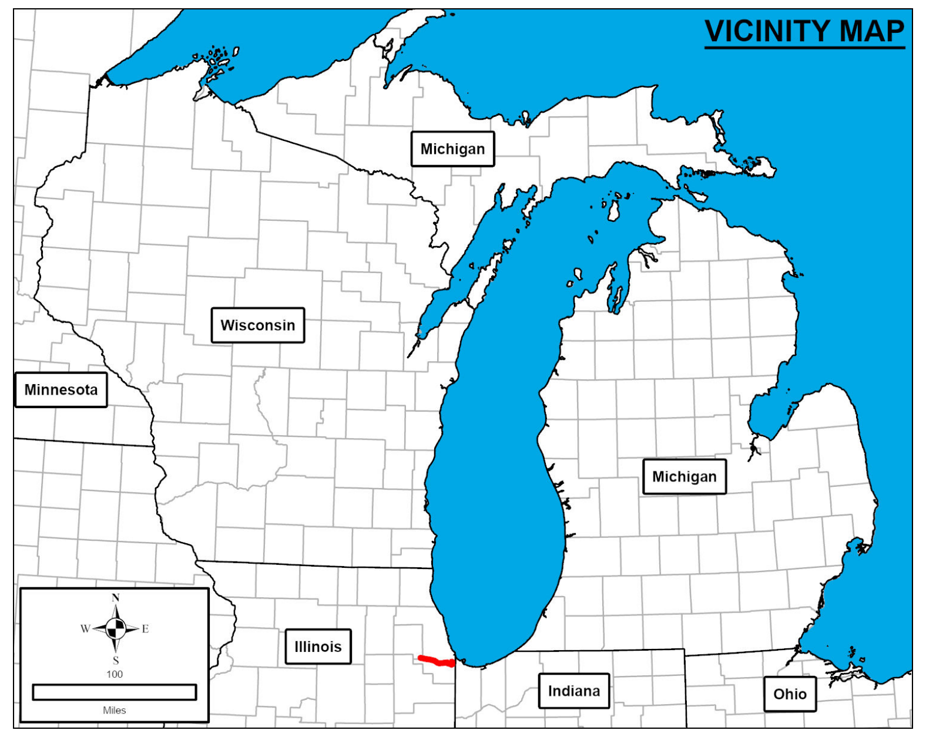
# IL Waterway Cal Sag Channel
## IL_CS_LRC_20251006_CS_30
## 06 October 2025

**Sheet Reference Number**
**2 of 22**

Revison Number:
5.25.11.05-5.25.11.05

**SHEET INDEX**

**VICINITY MAP**



**LEGEND**

| | |
|---|---|
| ▬ Federal Navigation Channel | 🟥 Shoaling Area |
| ┈ Cable Submarine | ● Shoalest Sounding |
| - - Cable Overhead | ⊥ Beacon, General |
| ▭ Placement Area | ♦ Red Navigation Lights |
| ☒ Obstruction Point | ♦ Green Navigation Lights |
| ⚓ Wrecks-Submerged | ♦ Red/Green Navigation Lights |

| | |
|---|---|
| 🟥 | 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:
9.0' CHANNEL
DEPTH BELOW LOW WATER DATUM (LWD)

N
W E
S

0 125 250 500 750
Feet

**NOTES:**

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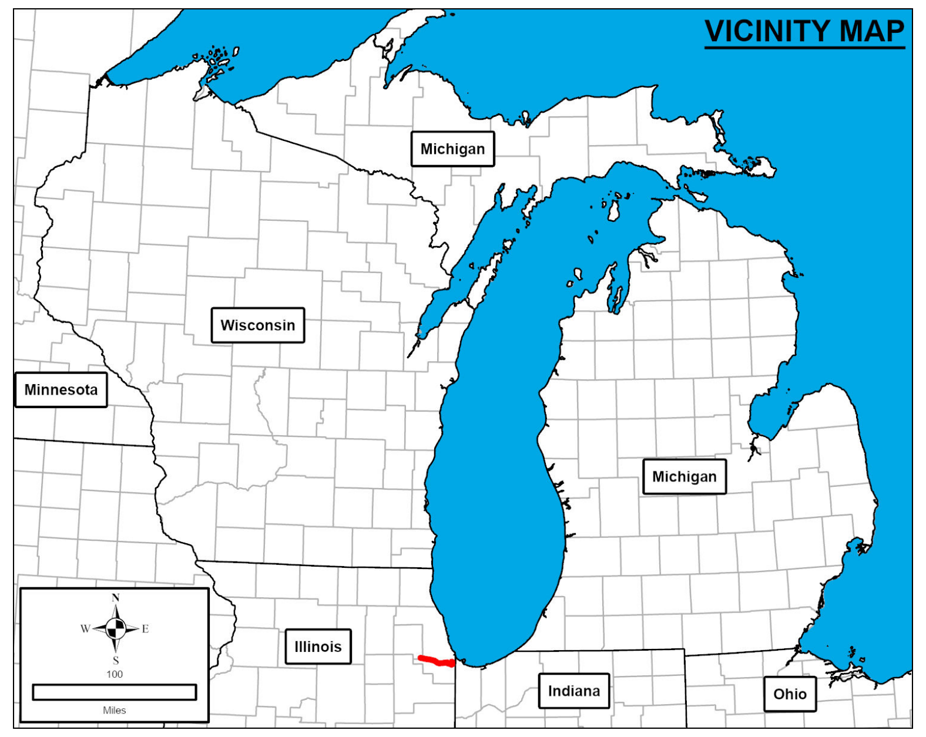
# IL Waterway Cal Sag Channel

## IL_CS_LRC_20251006_CS_30

## 06 October 2025

**SHEET INDEX**

**VICINITY MAP**



**LEGEND**

| | |
|---|---|
| — — Federal Navigation Channel | ▬ Shoaling Area |
| ······ Cable Submarine | ● Shoalest Sounding |
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| ☐ Placement Area | ♦ Red Navigation Lights |
| ⊠ Obstruction Point | ♦ Green Navigation Lights |
| ✕ Wrecks-Submerged | ♦ Red/Green Navigation Lights |

| | |
|---|---|
| 🟥 | 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 |
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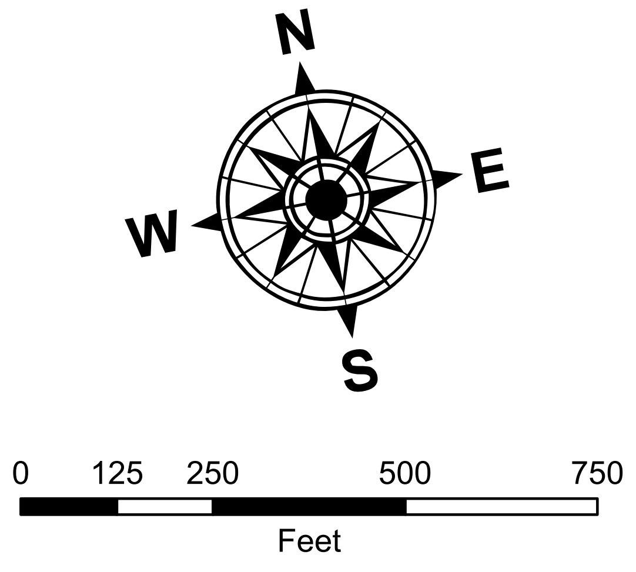

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Geospatial Section, Chicago District
Reviewed by:
Kevin Kwasny, Lake Michigan Project Office
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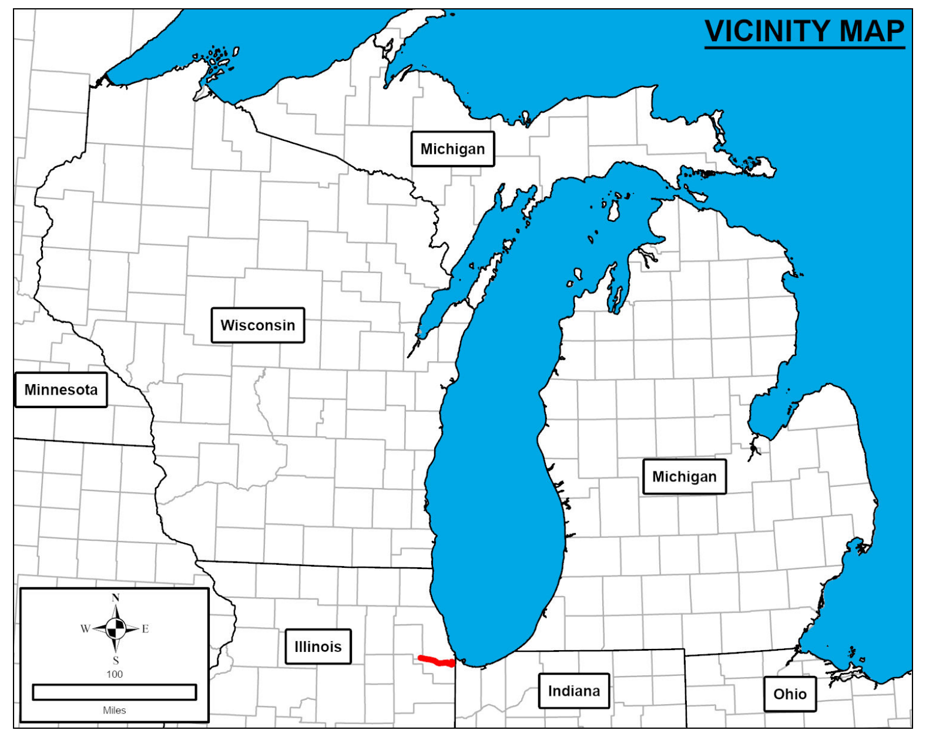
# IL Waterway Cal Sag Channel

## IL_CS_LRC_20251006_CS_30

## 06 October 2025



**LEGEND**

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

🟥 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

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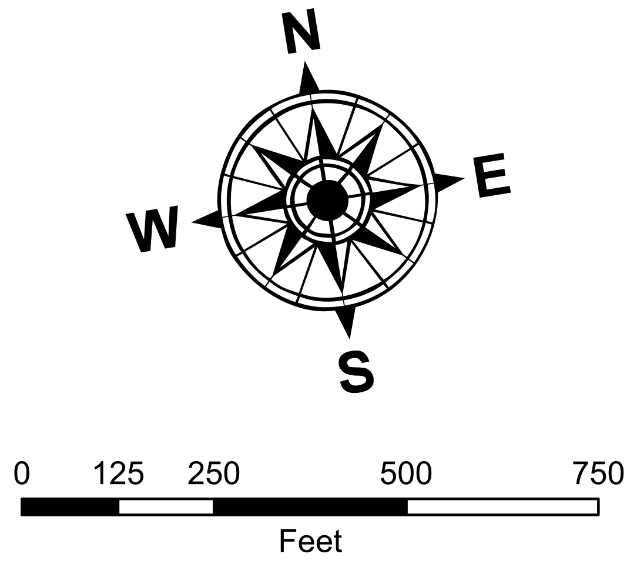

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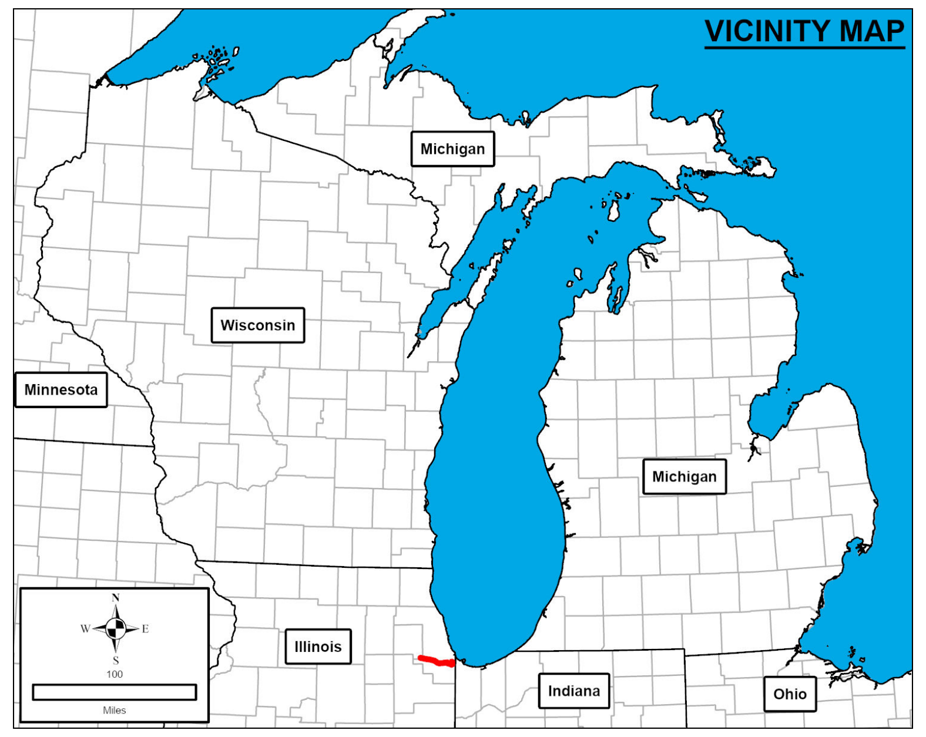
# IL Waterway Cal Sag Channel
## IL_CS_LRC_20251006_CS_30
## 06 October 2025

**SHEET INDEX**


**VICINITY MAP**

**LEGEND**

| | | | |
|---|---|---|---|
| — · — | Federal Navigation Channel | 🟥 | Shoaling Area |
| ······ | Cable Submarine | ● | Shoalest Sounding |
| – – | Cable Overhead | ⊥ | Beacon, General |
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| | |
|---|---|
| 🟥 | 4+ Feet Above Authorized Channel Depth |
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| 🟨 | 0-2 Feet Above Authorized Channel Depth |
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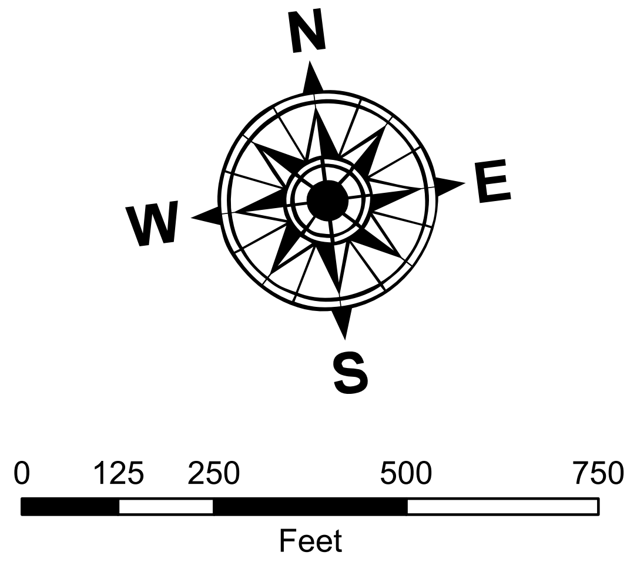

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## IL_CS_LRC_20251006_CS_30
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**Sheet Reference Number 6 of 22**

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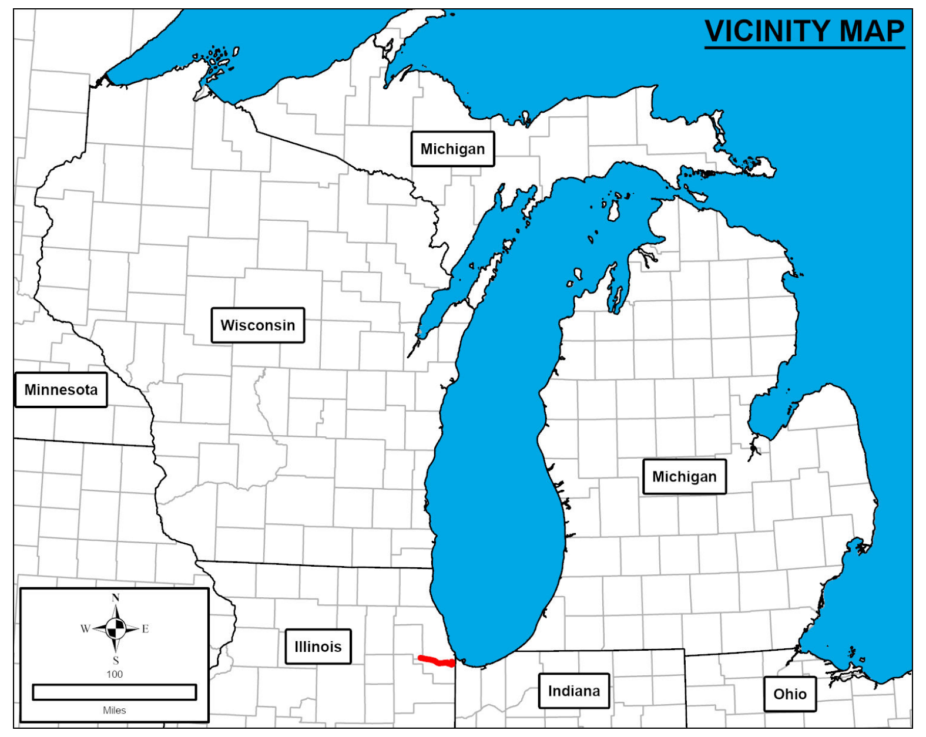

**LEGEND**

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- ● Shoalest Sounding
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| | |
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N
W
E
S

0 125 250 500 750
Feet

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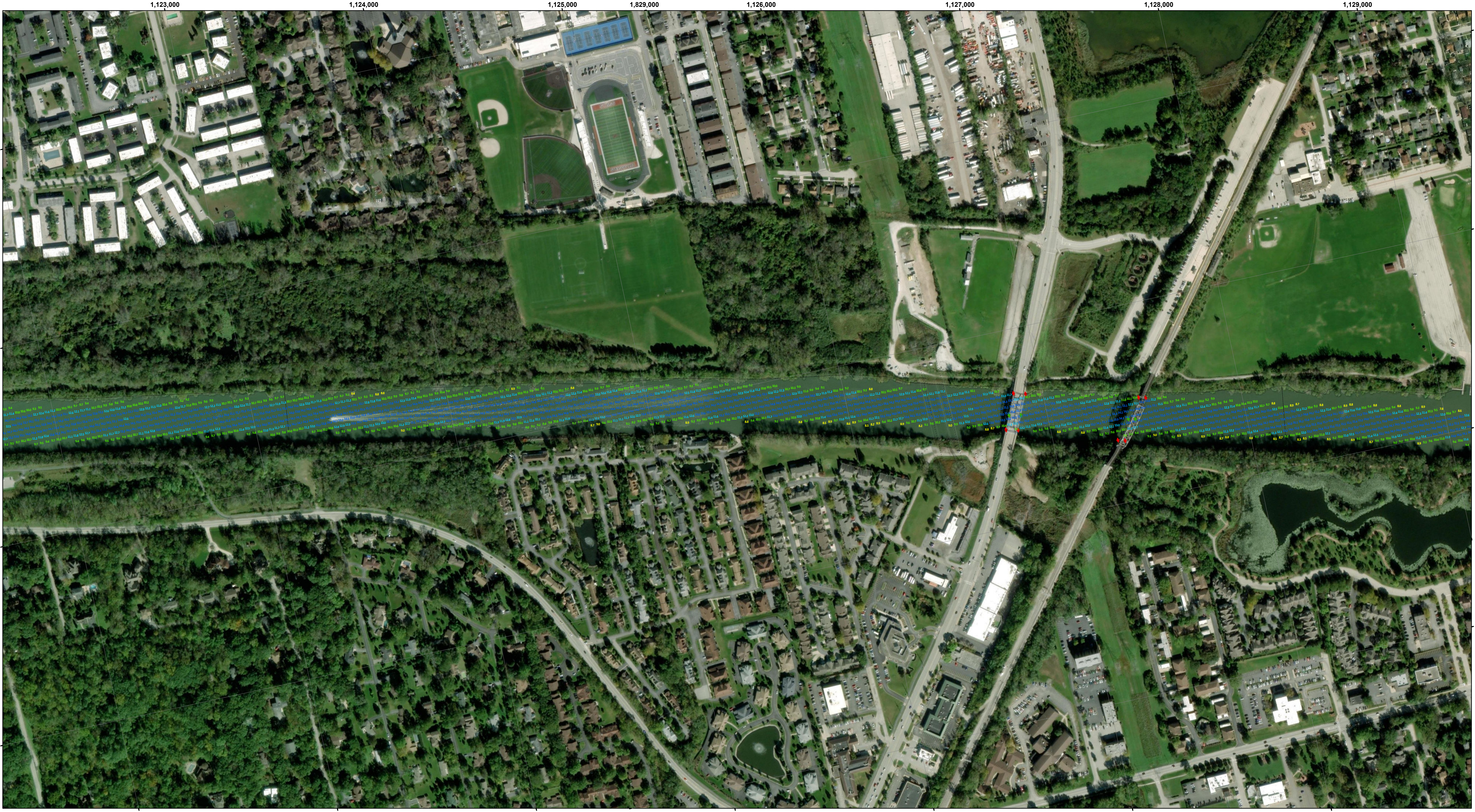

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| | |
|---|---|
| Surveyed by: | Cory Brenner, Lake Michigan Project Office |
| Mapping: | Geospatial Section, Chicago District |
| Reviewed by: | Kevin Kwasny, Lake Michigan Project Office |
| Path: | C:\Working\eHydro\products\MXD\IL_CS_LRC_20251006_CS_30.aprx |

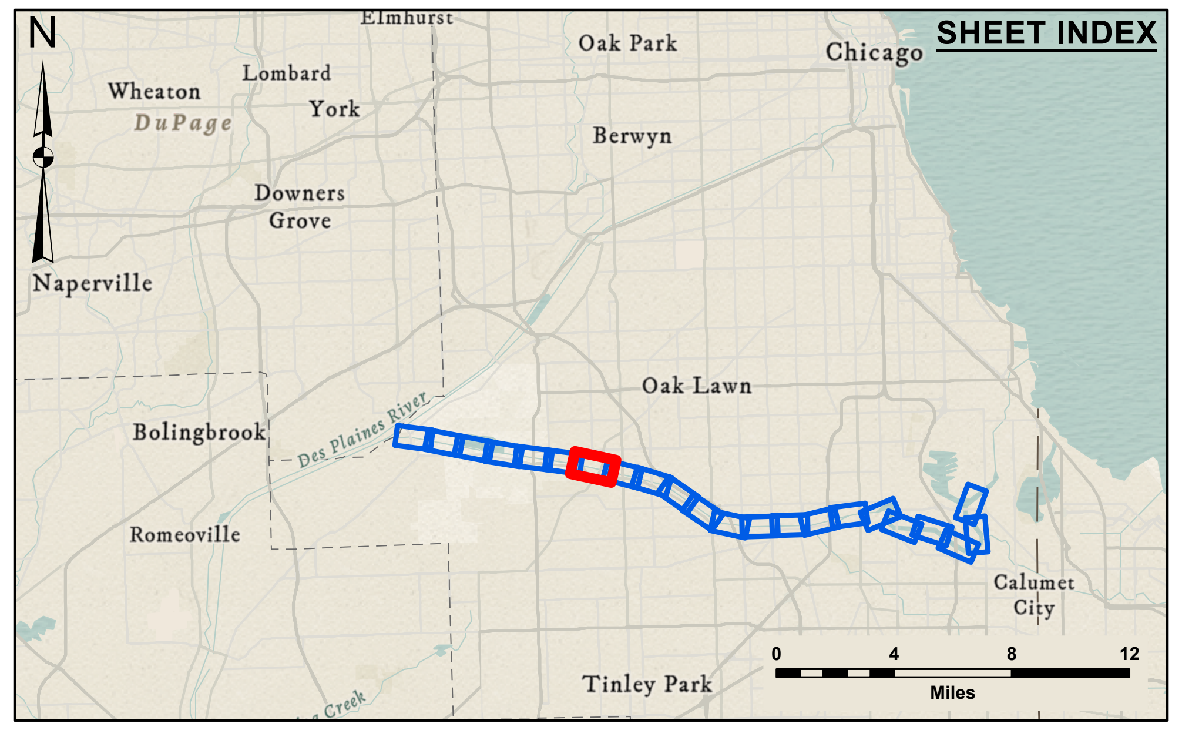
# IL Waterway Cal Sag Channel

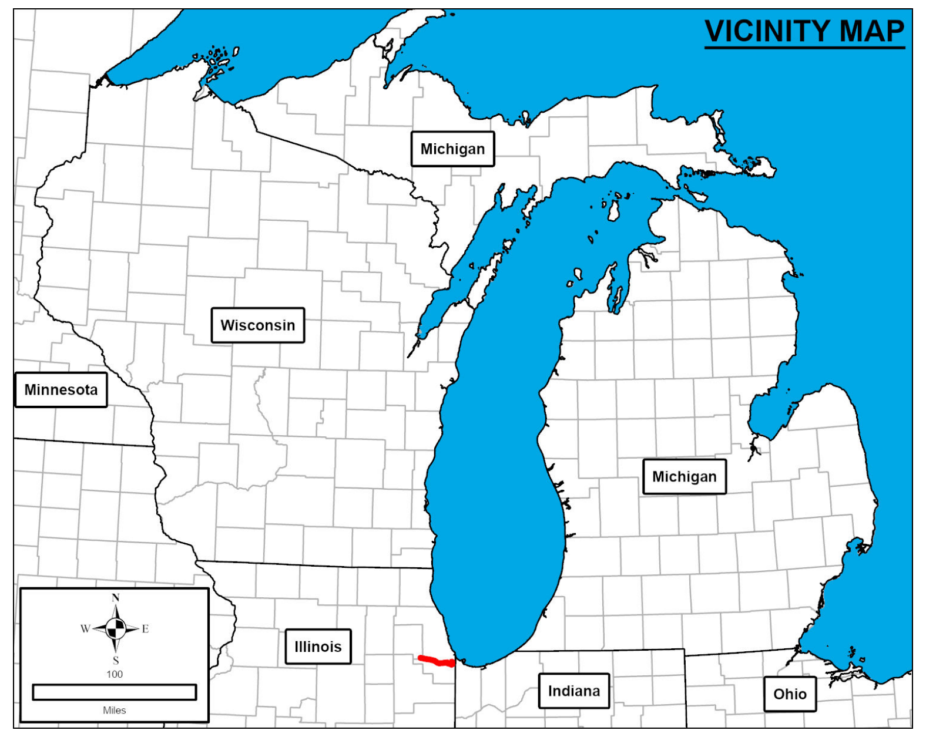
IL_CS_LRC_20251006_CS_30

06 October 2025

**Sheet Reference Number
7 of 22**

Revison Number:
5.25.11.05-5.25.11.05



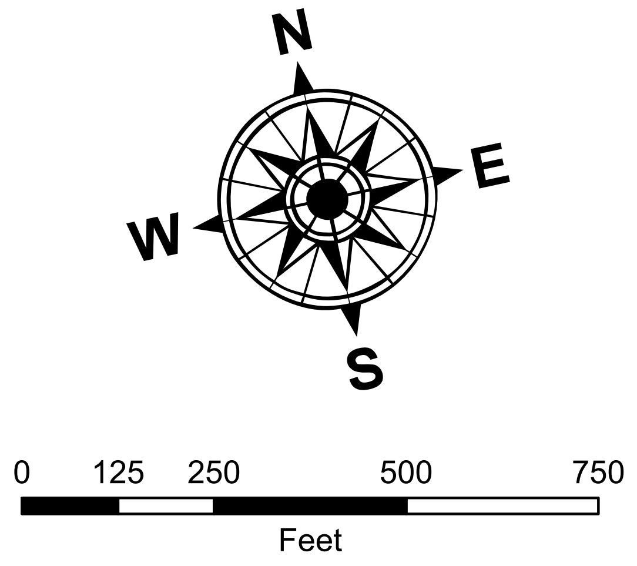


## LEGEND

- —·— Federal Navigation Channel
- ······ Cable Submarine
- - - Cable Overhead
- ☐ Placement Area
- ☒ Obstruction Point
- ✈ Wrecks-Submerged
- 🟥 Shoaling Area
- ● Shoalest Sounding
- ⊥ Beacon, General
- ♦ Red Navigation Lights
- ♦ Green Navigation Lights
- ♦ Red/Green Navigation Lights

| | |
|---|---|
| 🟥 | 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:
9.0' CHANNEL
DEPTH BELOW LOW WATER DATUM (LWD)



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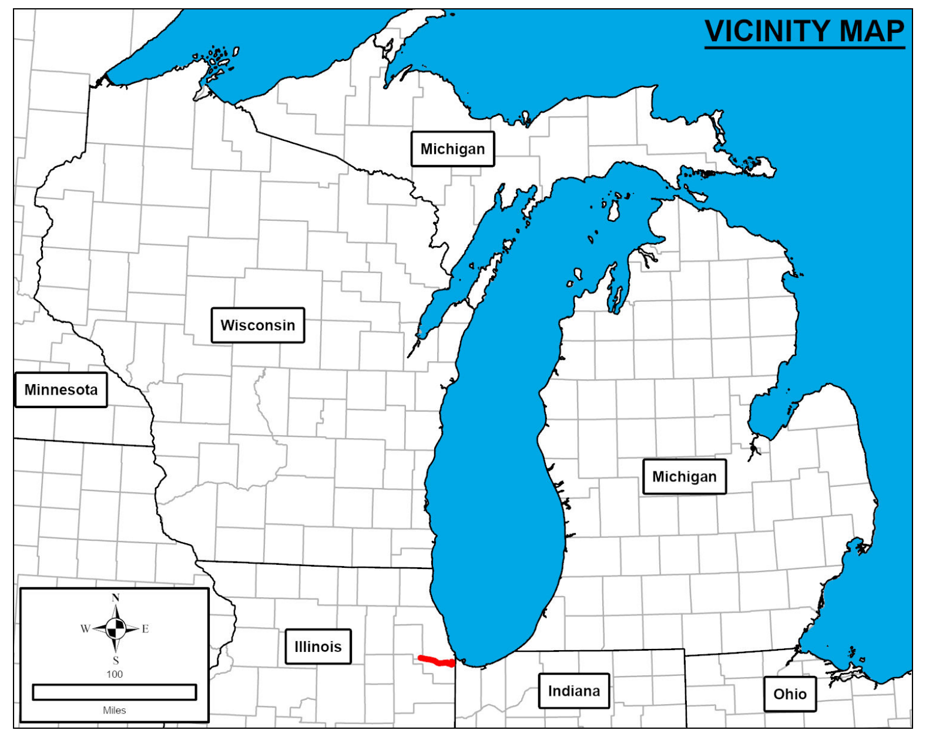

## LEGEND

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

- 🟥 4+ Feet Above Authorized Channel Depth
- 🟧 2-4 Feet Above Authorized Channel Depth
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- 🟩 0-2 Feet Below Authorized Channel Depth
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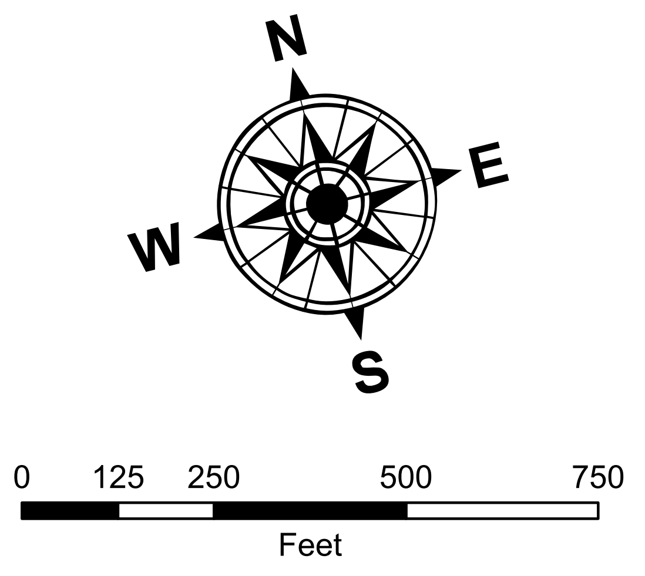

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Cory Brenner, Lake Michigan Project Office
Mapping:
Geospatial Section, Chicago District
Reviewed by:
Kevin Kwasny, Lake Michigan Project Office
Path:
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# IL Waterway Cal Sag Channel

## IL_CS_LRC_20251006_CS_30

## 06 October 2025

**Sheet Reference Number 8 of 22**

Revison Number:
5.25.11.05-5.25.11.05

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Mapping:
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Reviewed by:
Kevin Kwasny, Lake Michigan Project Office
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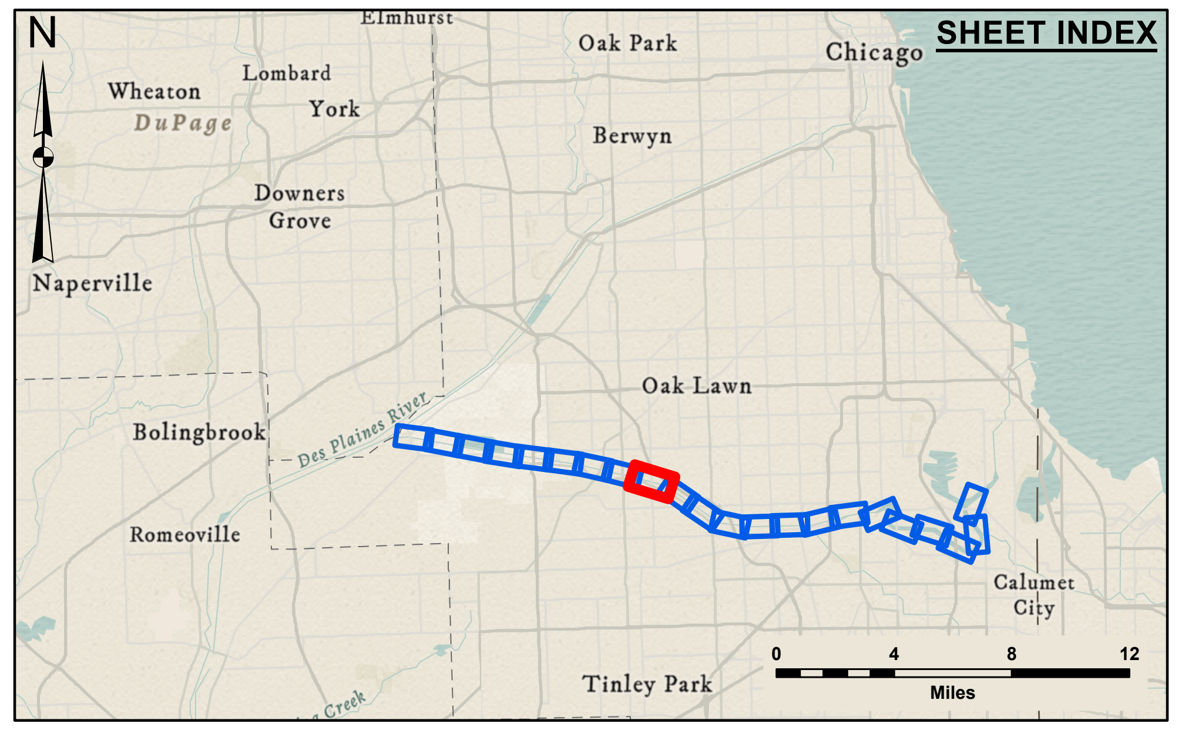
# IL Waterway Cal Sag Channel
## IL_CS_LRC_20251006_CS_30
## 06 October 2025

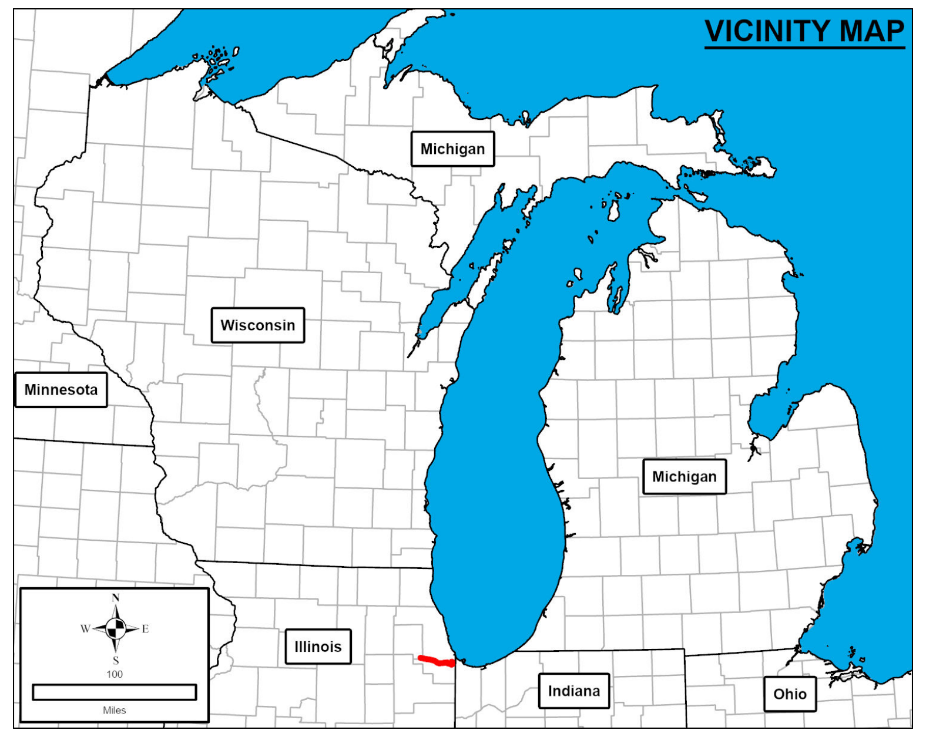
**Sheet Reference Number**
**9 of 22**

Revison Number:
5.25.11.05-5.25.11.05

**SHEET INDEX**



**VICINITY MAP**



**LEGEND**

| | | | |
|---|---|---|---|
| — · — | Federal Navigation Channel | 🟥 | Shoaling Area |
| ········ | Cable Submarine | ● | Shoalest Sounding |
| – – | Cable Overhead | ⊥ | Beacon, General |
| ☐ | Placement Area | ♦ | Red Navigation Lights |
| ☒ | Obstruction Point | ♦ | Green Navigation Lights |
| ✶ | Wrecks-Submerged | ♦ | Red/Green Navigation Lights |

| | |
|---|---|
| 🟥 | 4+ Feet Above Authorized Channel Depth |
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| 🟨 | 0-2 Feet Above Authorized Channel Depth |
| 🟩 | 0-2 Feet Below Authorized Channel Depth |
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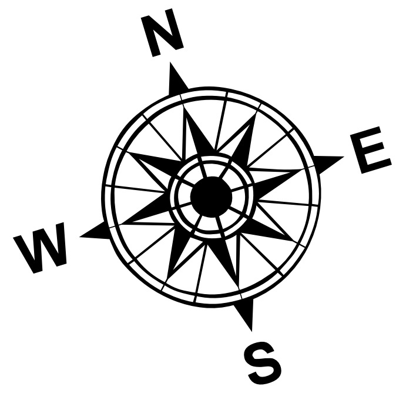
DEPTH BELOW LOW WATER DATUM (LWD)



0 125 250 500 750
Feet

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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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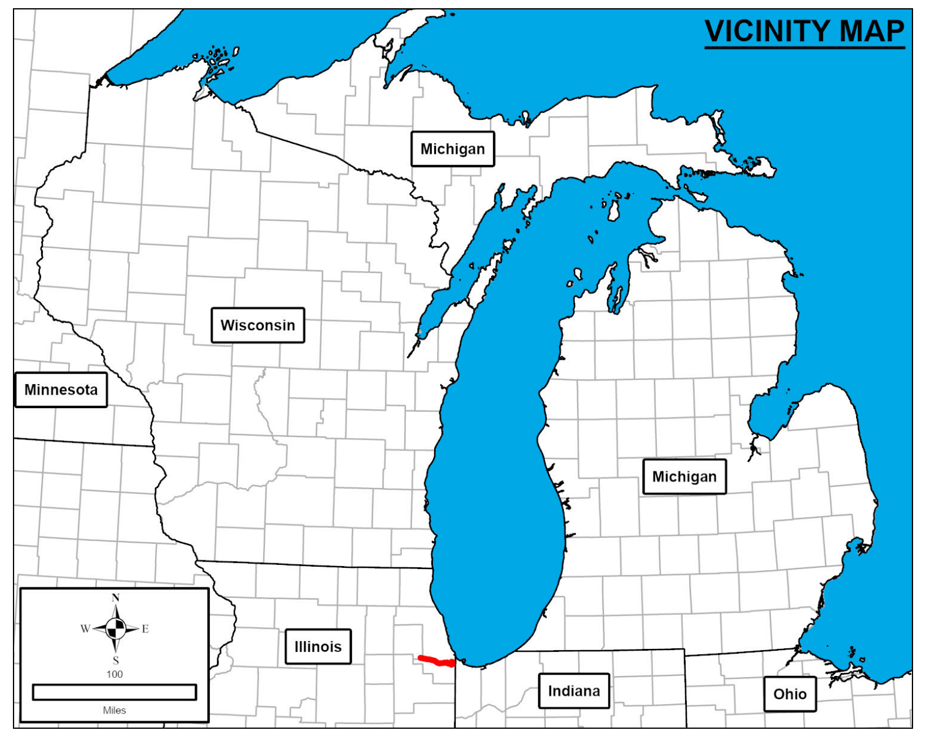
# IL Waterway Cal Sag Channel
## IL_CS_LRC_20251006_CS_30
## 06 October 2025

**Sheet
Reference
Number
10 of 22**

Revison Number:
5.25.11.05-5.25.11.05



**LEGEND**

| | |
|---|---|
| Federal Navigation Channel | Shoaling Area |
| Cable Submarine | Shoalest Sounding |
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| | |
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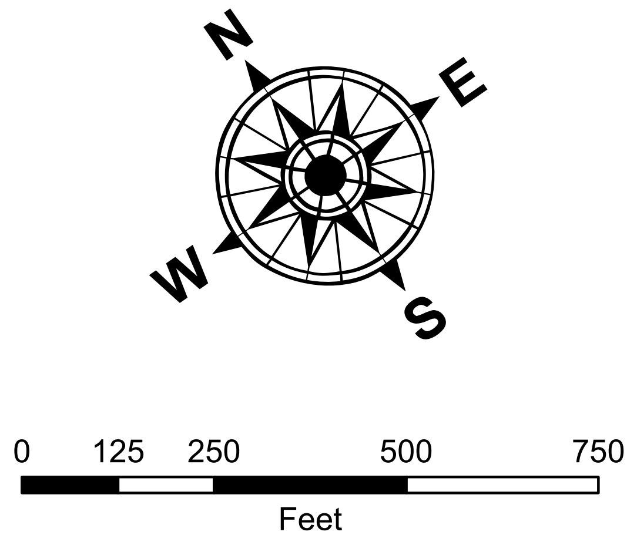

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# IL Waterway Cal Sag Channel

**IL_CS_LRC_20251006_CS_30**

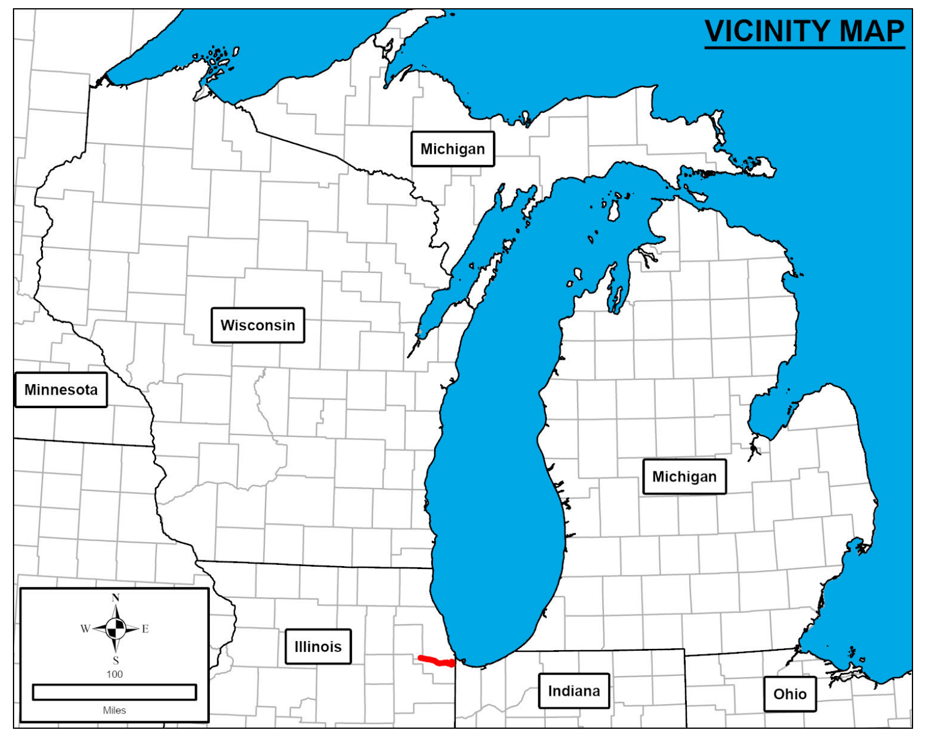
**06 October 2025**

**Sheet Reference Number**
**11 of 22**

Revison Number:
5.25.11.05-5.25.11.05

**SHEET INDEX**

**VICINITY MAP**



**LEGEND**

| | |
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| Federal Navigation Channel | Shoaling Area |
| Cable Submarine | Shoalest Sounding |
| Cable Overhead | Beacon, General |
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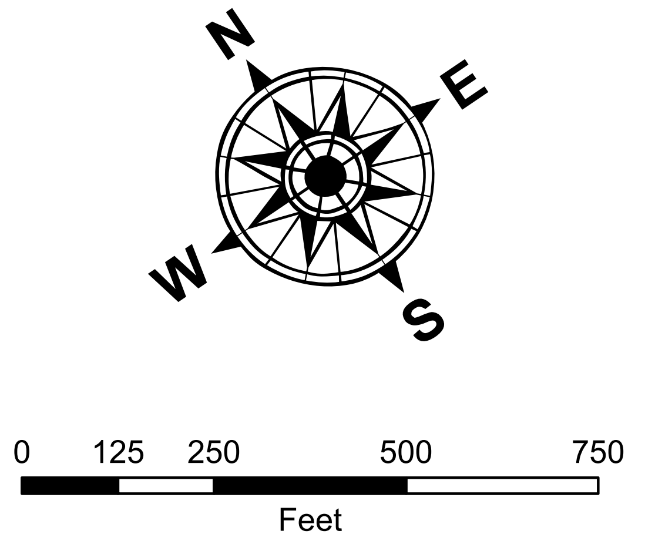

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**CHICAGO, ILLINOIS**

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# IL Waterway Cal Sag Channel

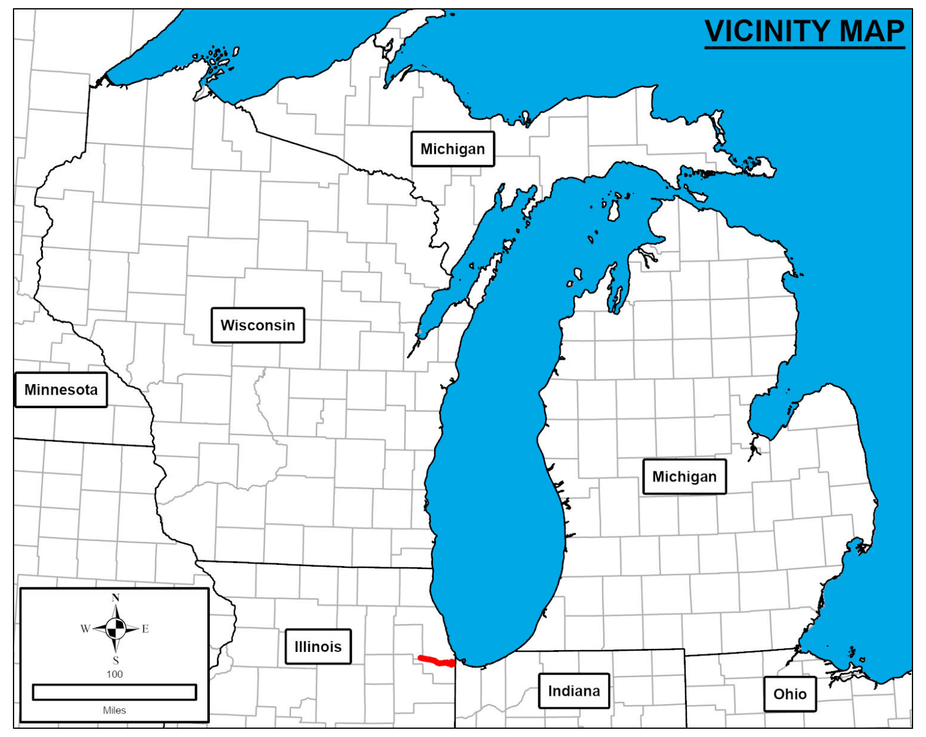
**IL_CS_LRC_20251006_CS_30**

**06 October 2025**

**Sheet Reference Number 12 of 22**

Revison Number:
5.25.11.05-5.25.11.05

**SHEET INDEX**


**VICINITY MAP**

## LEGEND

- Federal Navigation Channel
- Cable Submarine
- Cable Overhead
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- ☒ Obstruction Point
- Wrecks-Submerged
- 🟥 Shoaling Area
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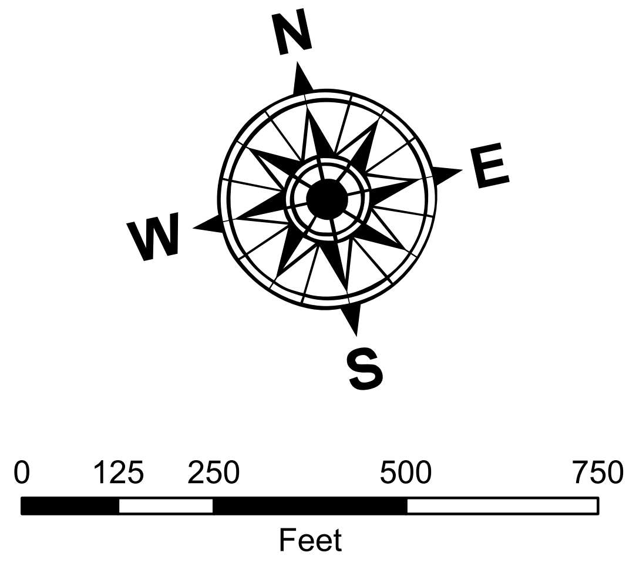

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Kevin Kwasny, Lake Michigan Project Office
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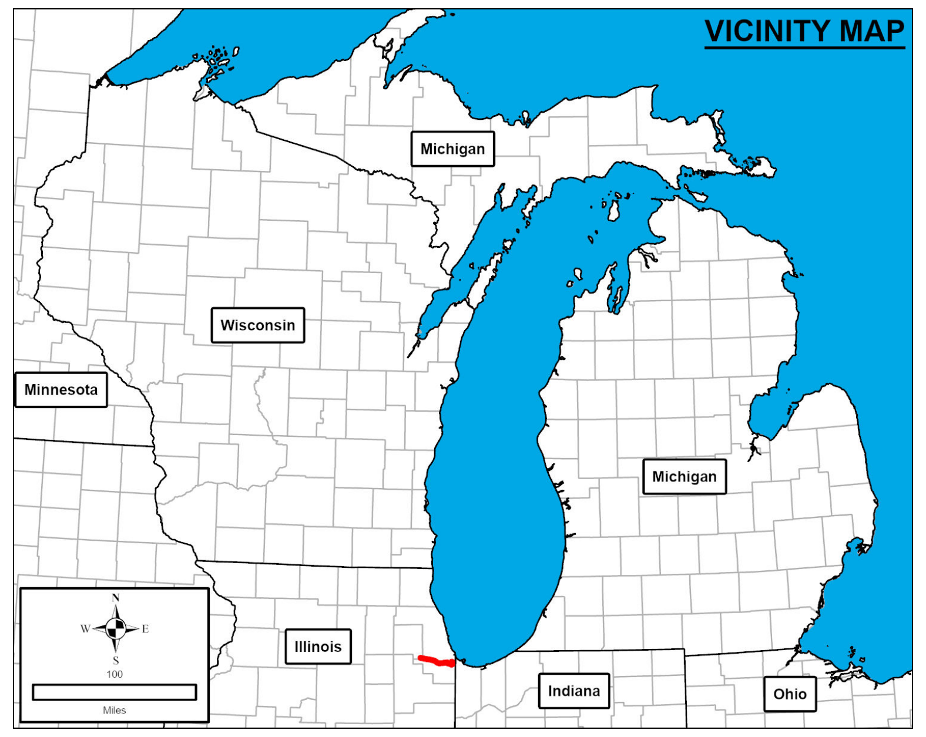
# IL Waterway Cal Sag Channel

## IL_CS_LRC_20251006_CS_30

## 06 October 2025

**Sheet Reference Number**
**13 of 22**

Revison Number:
5.25.11.05-5.25.11.05

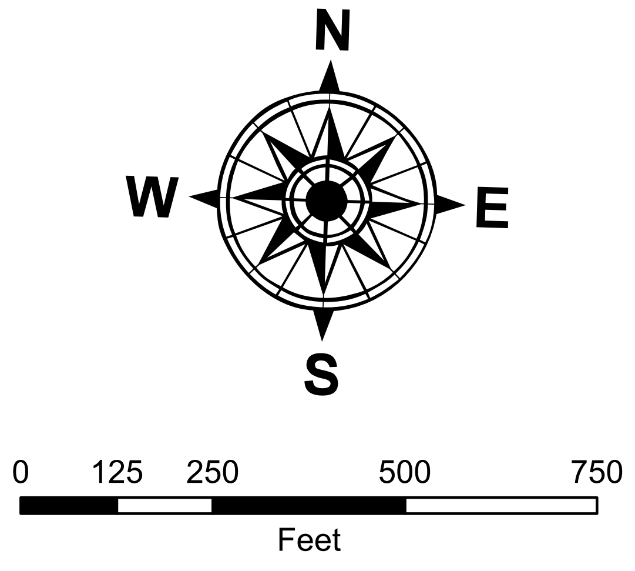


**LEGEND**

| | |
|---|---|
| —·— Federal Navigation Channel | 🟥 Shoaling Area |
| ······ Cable Submarine | ● Shoalest Sounding |
| - - Cable Overhead | ⊥ Beacon, General |
| ☐ Placement Area | ♦ Red Navigation Lights |
| ☒ Obstruction Point | ♦ Green Navigation Lights |
| ✈ Wrecks-Submerged | ♦ Red/Green Navigation Lights |

| | |
|---|---|
| 🟥 | 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:
9.0' CHANNEL
DEPTH BELOW LOW WATER DATUM (LWD)



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Mapping:
Geospatial Section, Chicago District
Reviewed by:
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## IL_CS_LRC_20251006_CS_30

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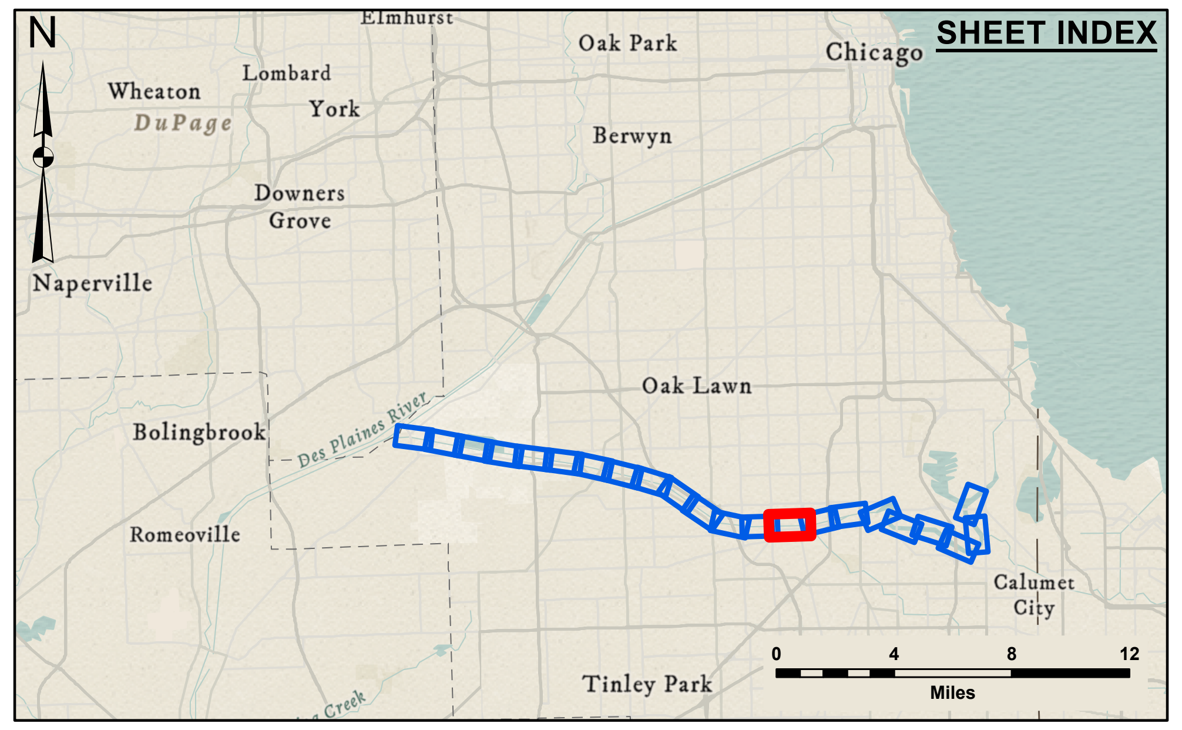

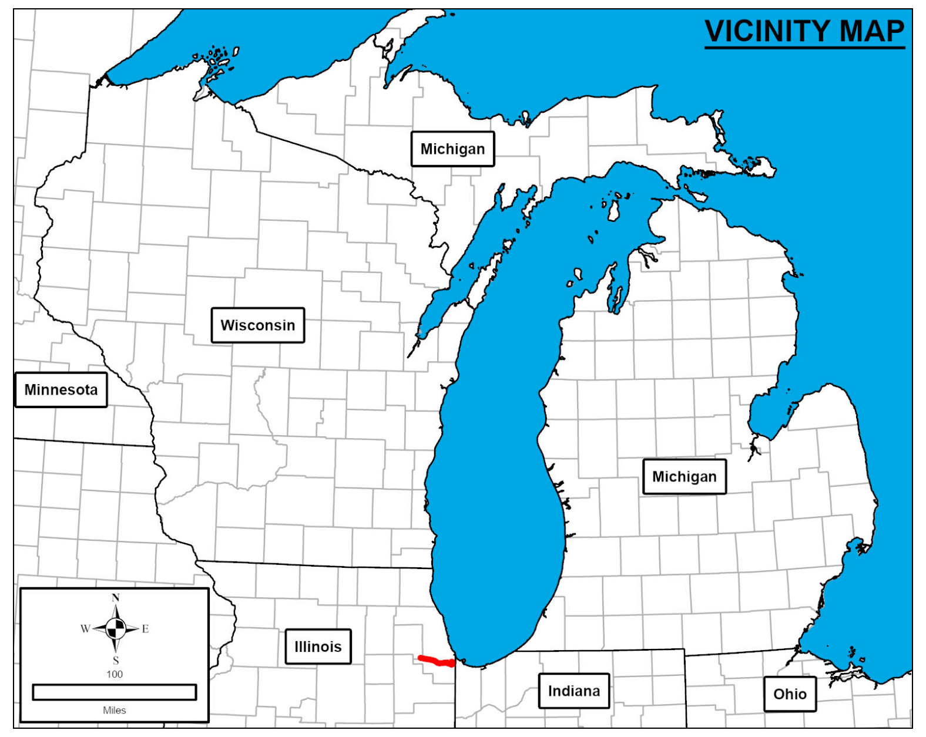

## LEGEND

| | |
|---|---|
| Federal Navigation Channel | 🟥 Shoaling Area |
| Cable Submarine | ● Shoalest Sounding |
| Cable Overhead | Beacon, General |
| ☐ Placement Area | ♦ Red Navigation Lights |
| ☒ Obstruction Point | ♦ Green Navigation Lights |
| Wrecks-Submerged | ♦ Red/Green Navigation Lights |

| | |
|---|---|
| 🟥 | 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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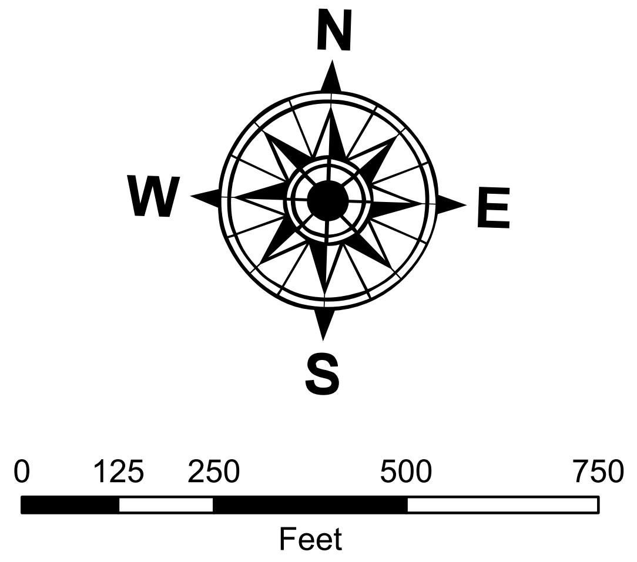

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# IL Waterway Cal Sag Channel
## IL_CS_LRC_20251006_CS_30
## 06 October 2025

**Sheet Reference Number 15 of 22**

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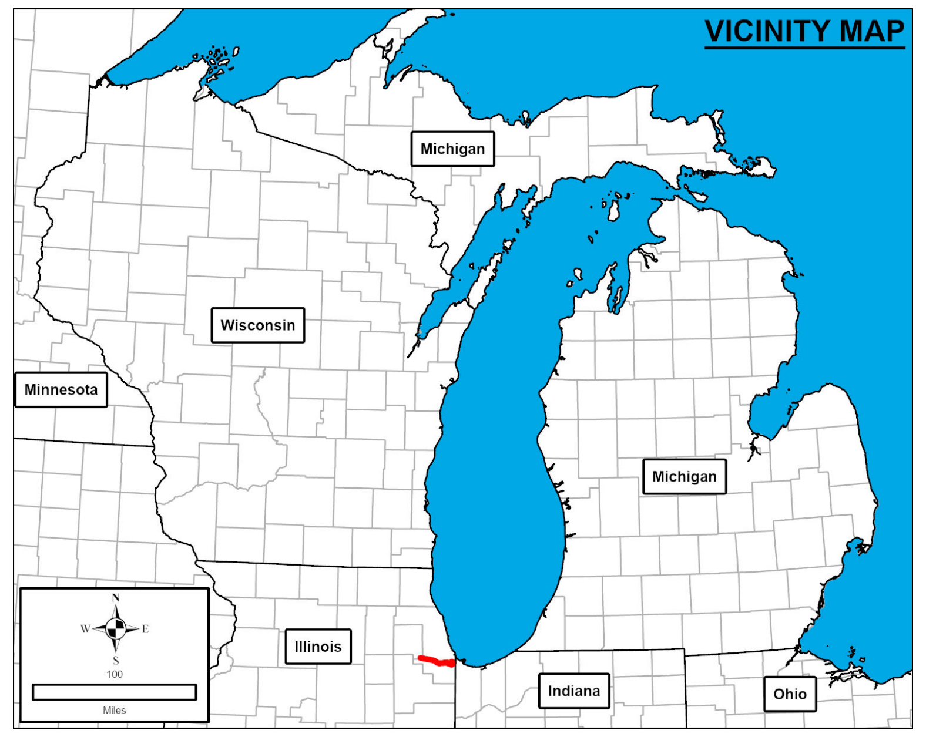
**SHEET INDEX**


**VICINITY MAP**

**LEGEND**

| | | | |
|---|---|---|---|
| —·— | Federal Navigation Channel | 🟥 | Shoaling Area |
| ······ | Cable Submarine | ● | Shoalest Sounding |
| – – | Cable Overhead | ⊥ | Beacon, General |
| ▭ | Placement Area | ♦ | Red Navigation Lights |
| ⊠ | Obstruction Point | ♦ | Green Navigation Lights |
| ✈ | Wrecks-Submerged | ♦ | Red/Green Navigation Lights |

| | |
|---|---|
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| 🟧 | 2-4 Feet Above Authorized Channel Depth |
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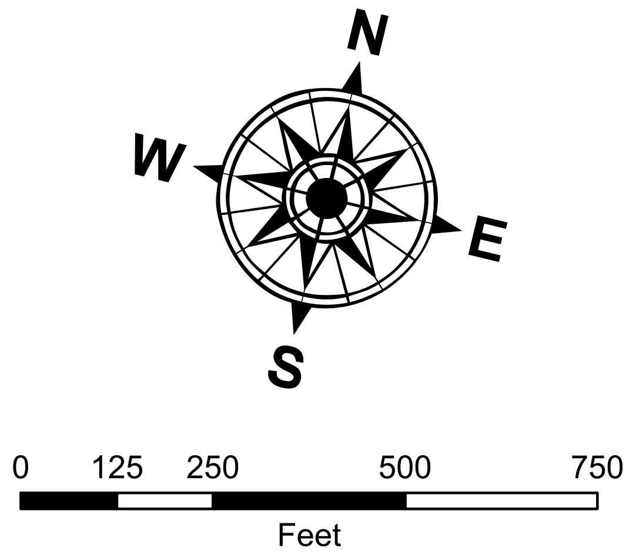

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# IL Waterway Cal Sag Channel

**IL_CS_LRC_20251006_CS_30**

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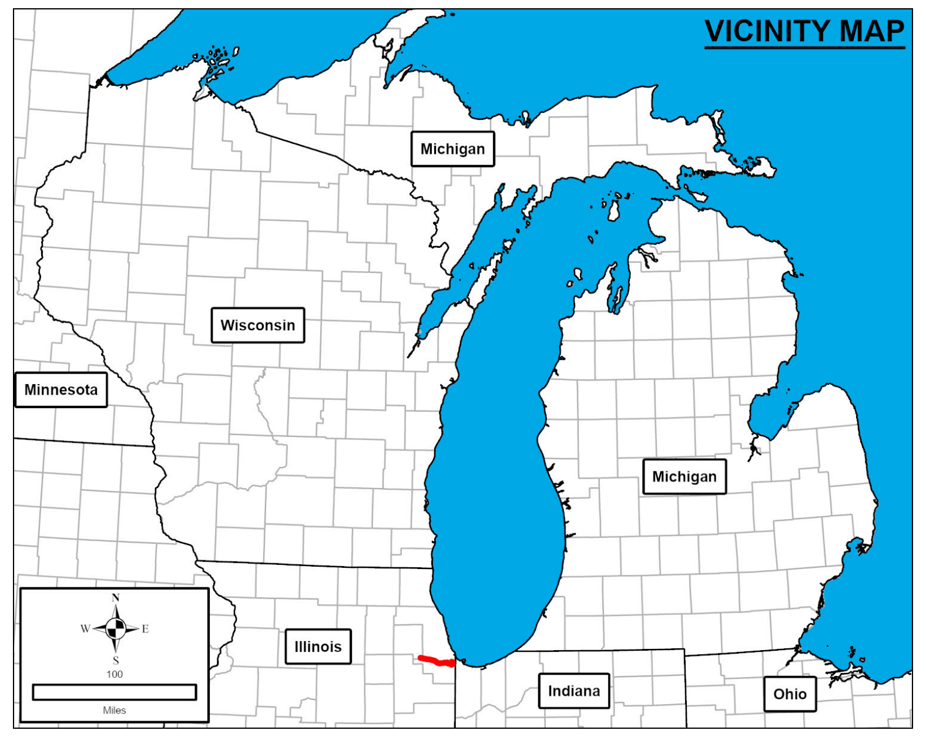

## LEGEND

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

| | |
|---|---|
| 🟥 | 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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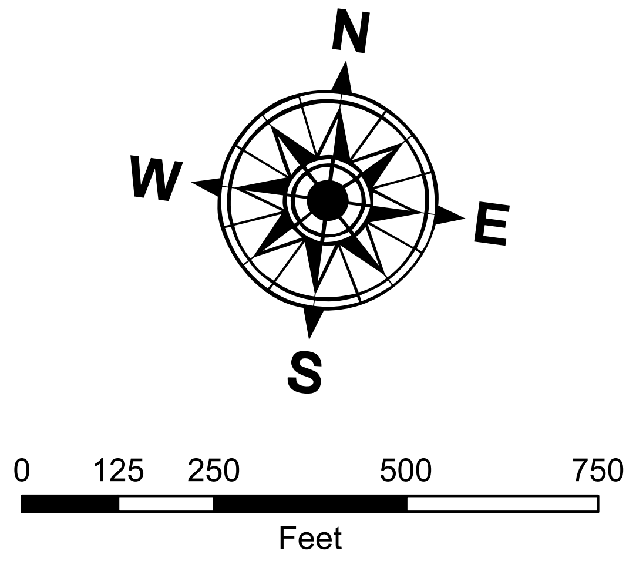

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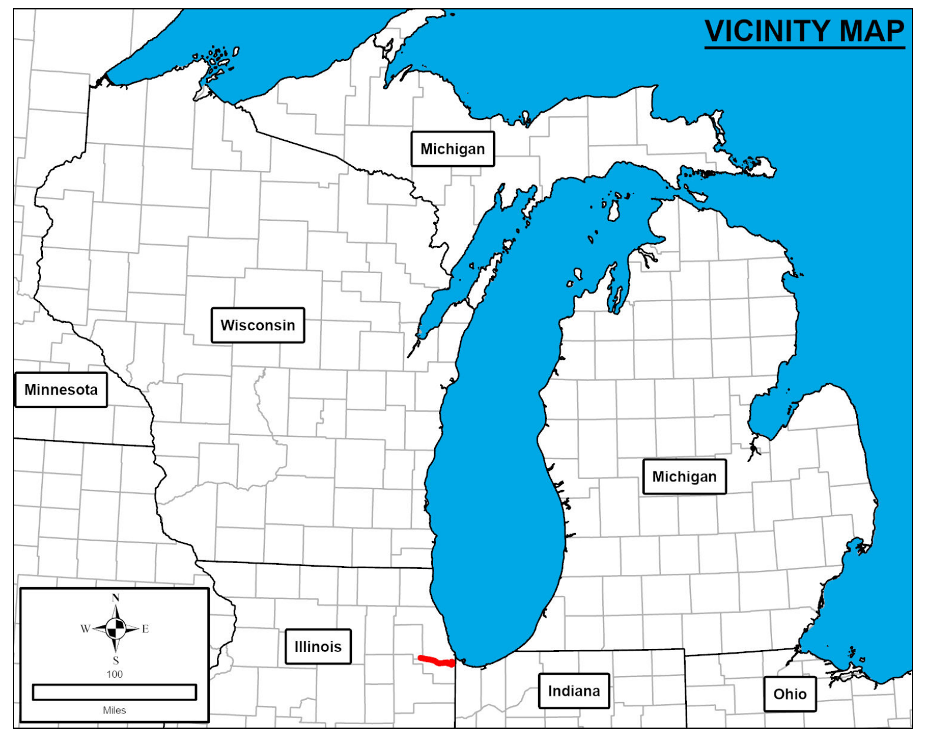
**VICINITY MAP**



**LEGEND**

| | | | |
|---|---|---|---|
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| | |
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9.0' CHANNEL
DEPTH BELOW LOW WATER DATUM (LWD)

N W E S

0 125 250 500 750
Feet

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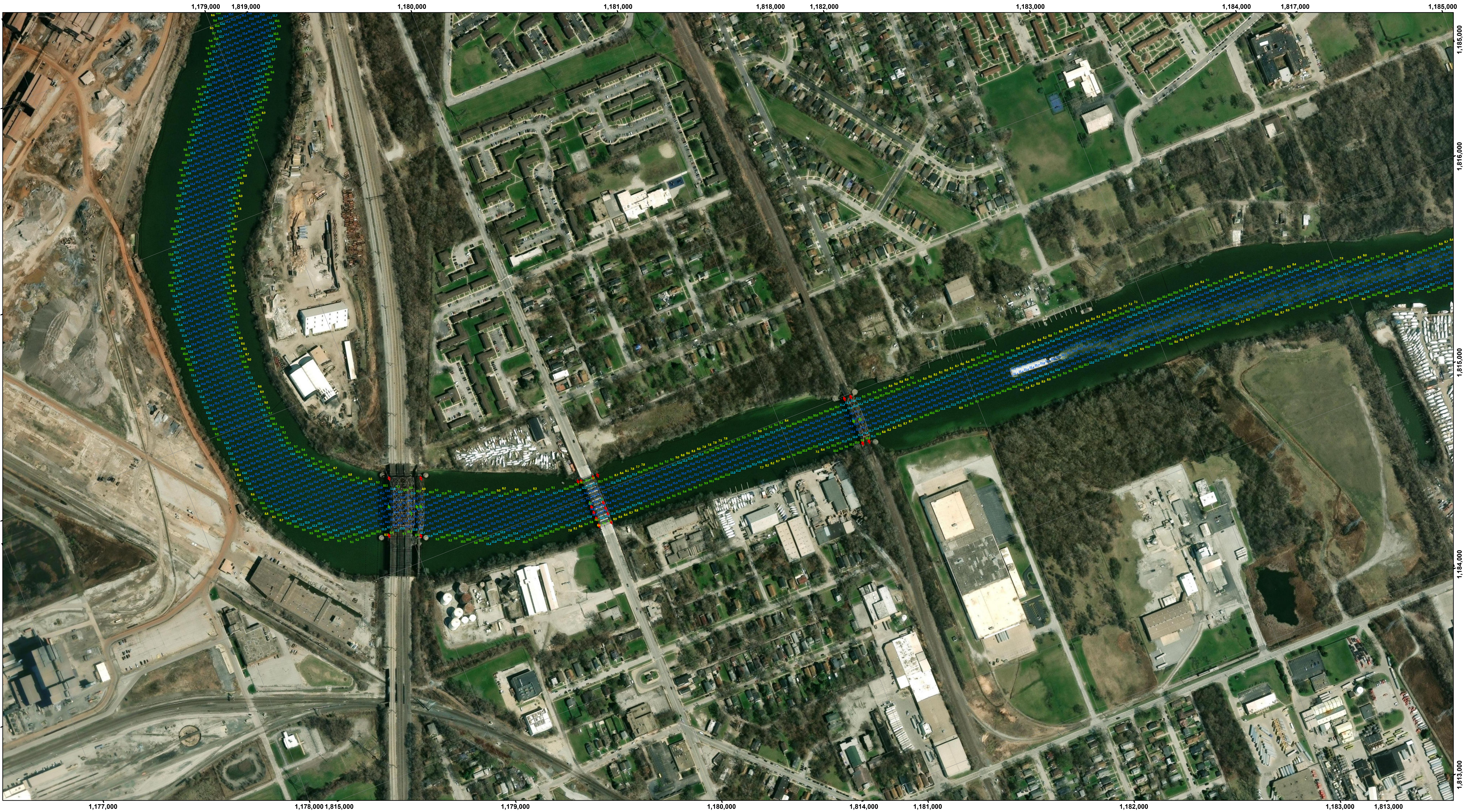

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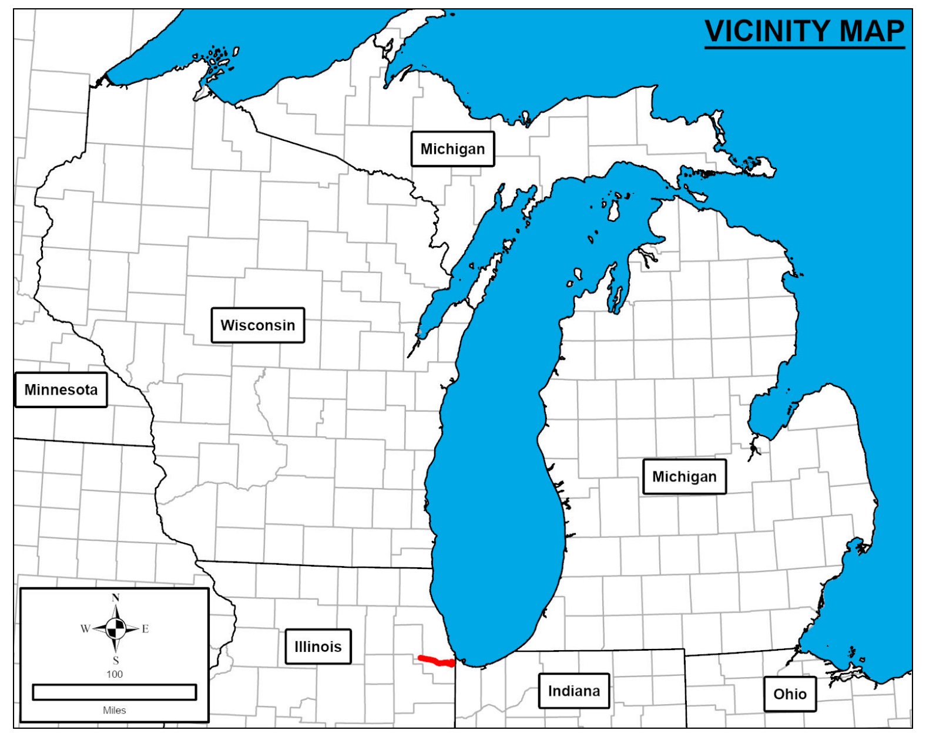

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|---|---|---|---|
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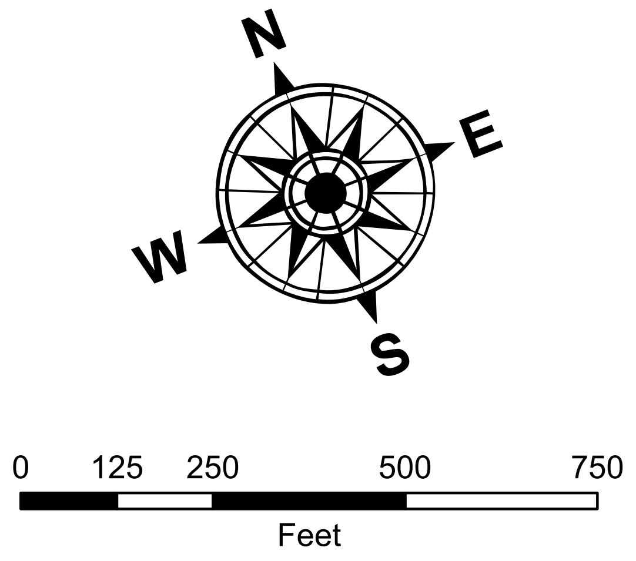

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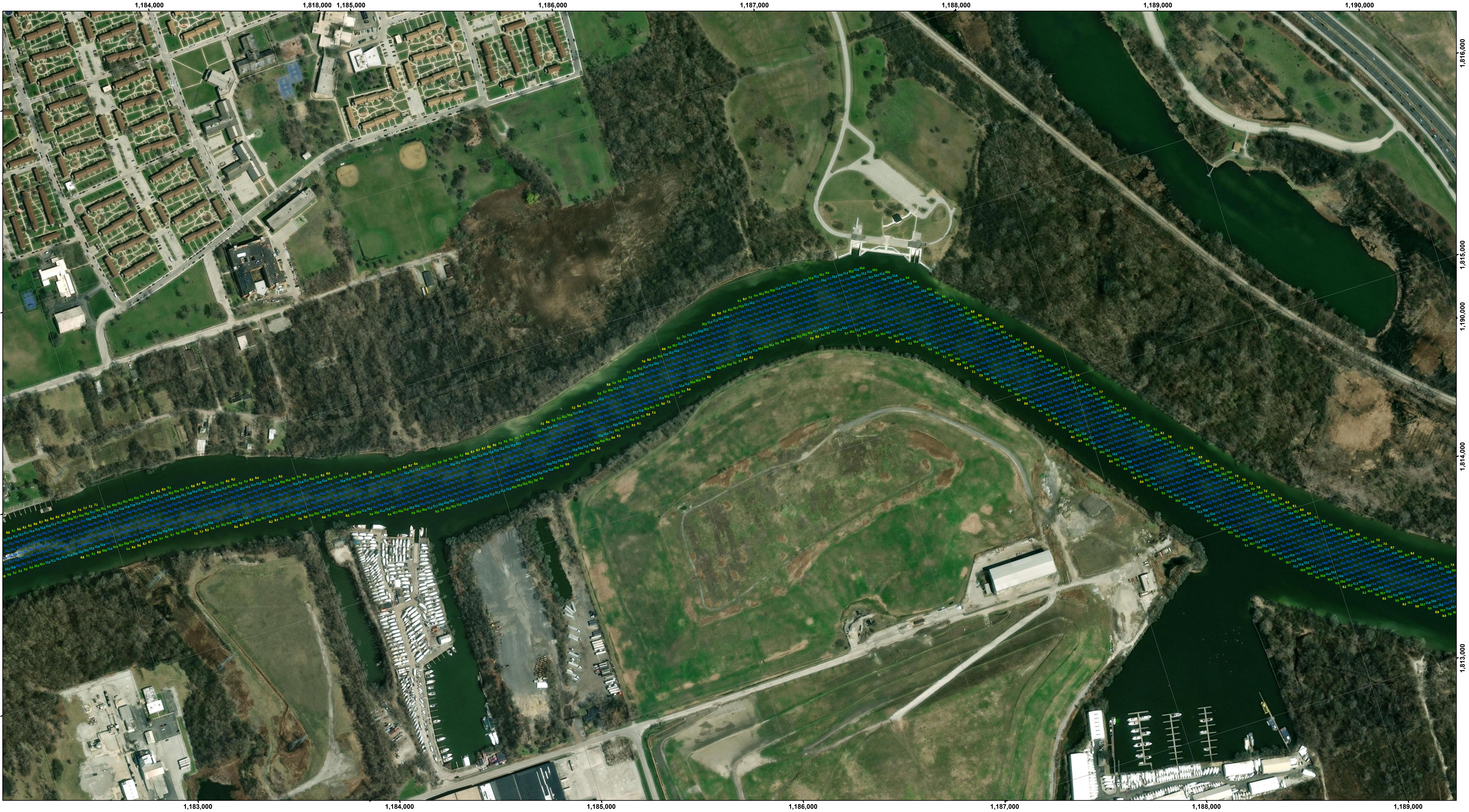

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Cory Brenner, Lake Michigan Project Office

Mapping:
Geospatial Section, Chicago District

Reviewed by:
Kevin Kwasny, Lake Michigan Project Office

Path:
C:\Working\eHydro\products\MXD\IL_CS_LRC_20251006_CS_30.aprx

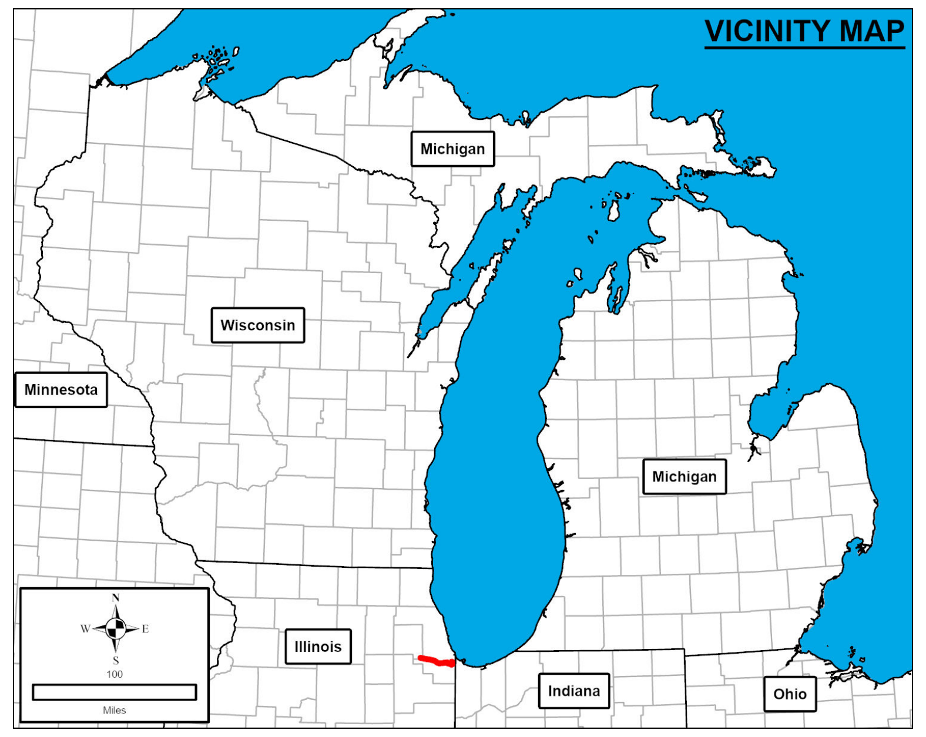
# IL Waterway Cal Sag Channel
## IL_CS_LRC_20251006_CS_30
**06 October 2025**

**Sheet
Reference
Number
19 of 22**

Revison Number:
5.25.11.05-5.25.11.05

**SHEET INDEX**

**VICINITY MAP**



**LEGEND**

| | |
|---|---|
| — · — Federal Navigation Channel | 🟥 Shoaling Area |
| ······ Cable Submarine | ● Shoalest Sounding |
| — — Cable Overhead | ⊥ Beacon, General |
| ▭ Placement Area | ♦ Red Navigation Lights |
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| ✶ Wrecks-Submerged | ♦ Red/Green Navigation Lights |

🟥 4+ Feet Above Authorized Channel Depth
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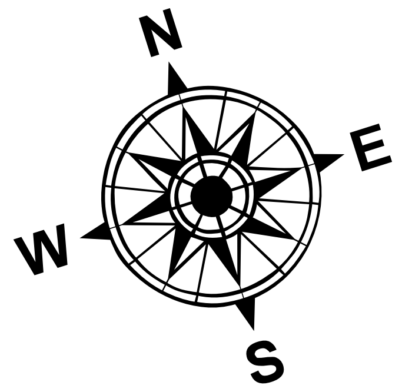
UNLESS OTHERWISE NOTED PROJECT DEPTH IS:
9.0' CHANNEL
DEPTH BELOW LOW WATER DATUM (LWD)



**NOTES:**

THE SOUNDINGS INDICATED HEREON REPRESENT THE MINIMUM DEPTH SOUNDING THE 30 FOOT BY 30 FOOT AREA CENTERED AROUND THE TEXT. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SHOAL REMOVAL OPERATIONS AND NOTICES TO NAVIGATION INTERESTS.

ALL SOUNDINGS ARE IN FEET AND ARE REFERENCED TO LOW WATER DATUM ELEVATION 577.5 FEET ABOVE MEAN WATER LEVEL AT RIMOUSKI, QUEBEC.

WATER LEVEL WAS DETERMINED USING RTK CORRECTIONS FROM HPRTK OR WISCORS.

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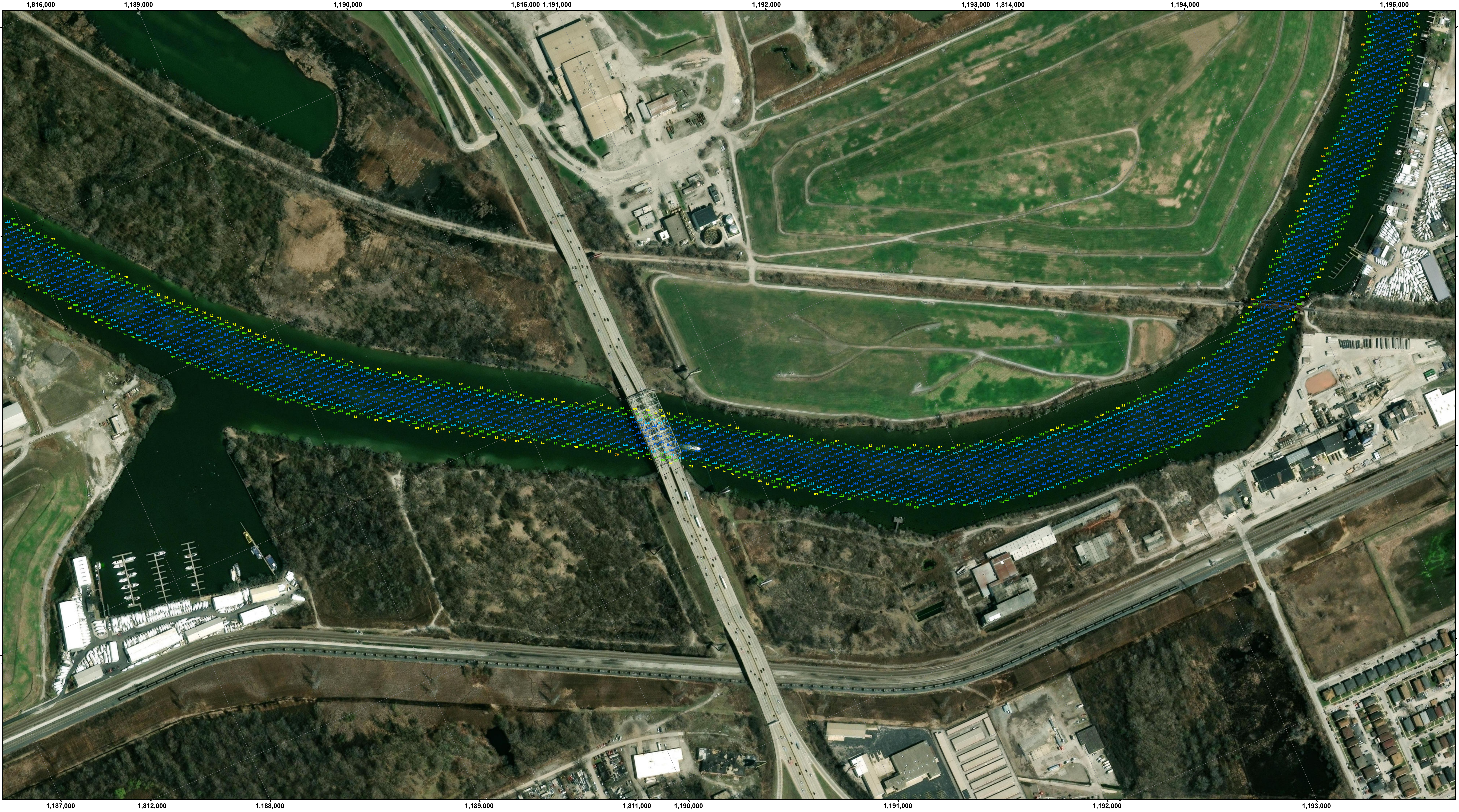

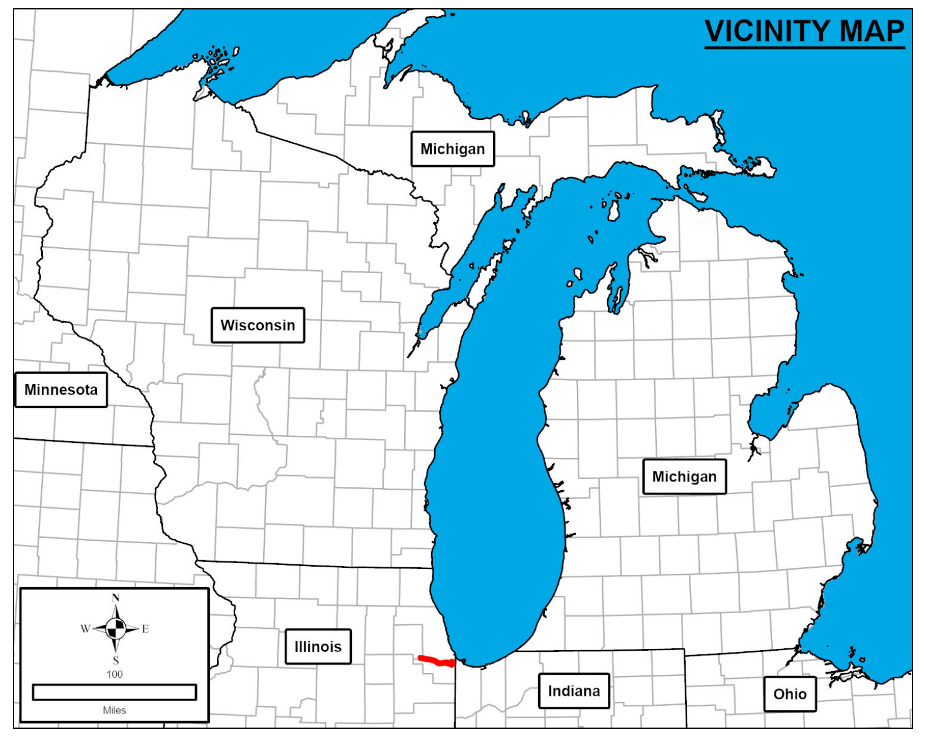

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DEPTH BELOW LOW WATER DATUM (LWD)

N E S W

0 125 250 500 750
Feet

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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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US Army Corps of Engineers
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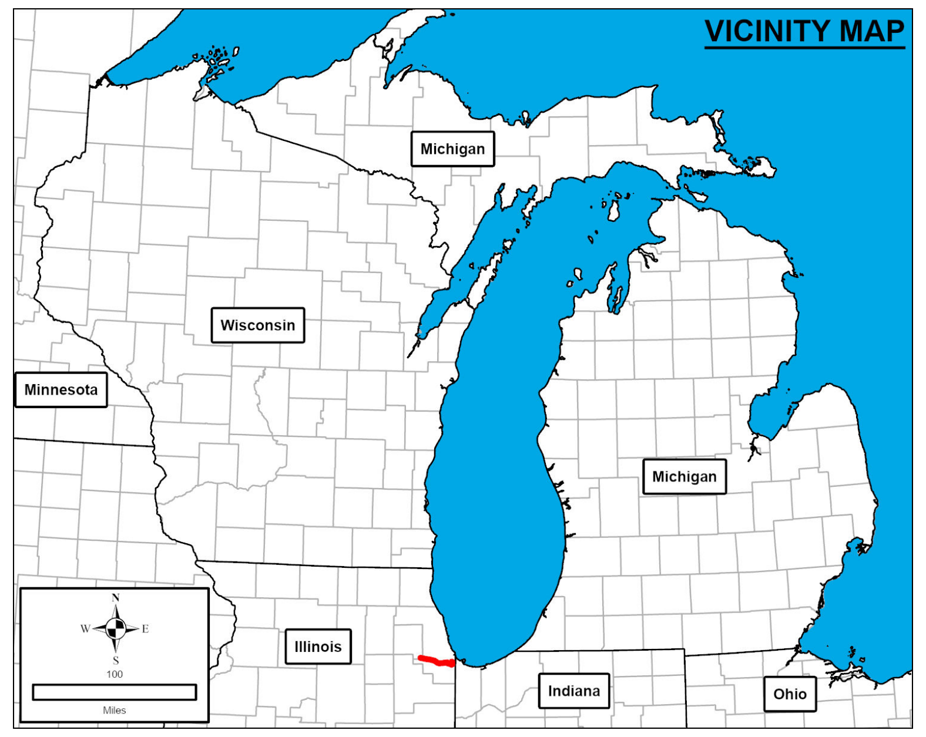

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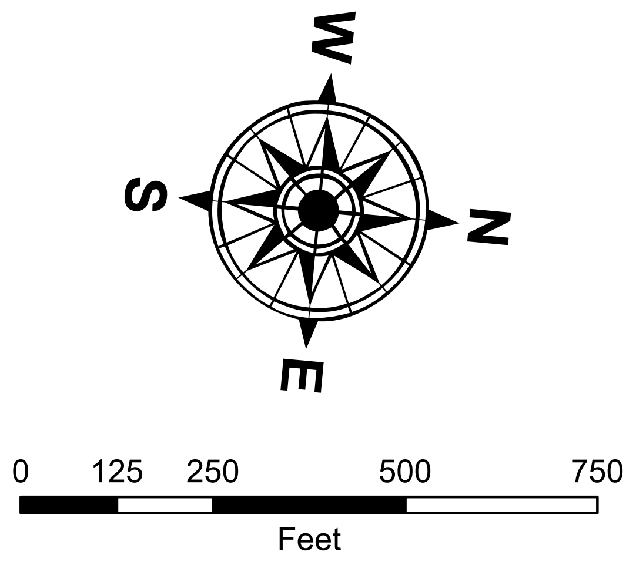

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