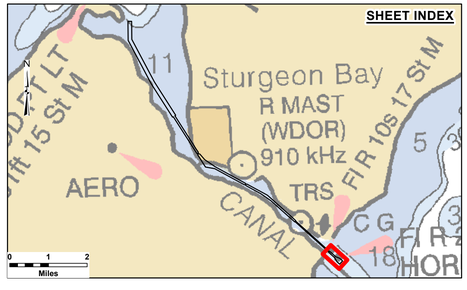
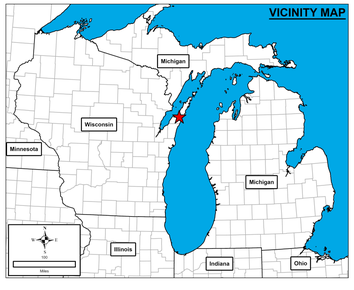
CORPS OF ENGINEERS

U.S. ARMY





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:
23.0' ENTRANCE CHANNEL
22.0' CANAL
DEPTH BELOW LOW WATER DATUM (LWD)

N E W 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

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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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STURGEON BAY HARBOR

ST_01_GBY_20260511_CS_10

11 May 2026

Sheet Reference Number
1 of 17

CORPS OF ENGINEERS

U.S. ARMY

2,664,000 364,000 2,665,000 363,000 2,666,000

364,000

2,666,000

362,000

2,663,000

2,663,000 363,000 2,664,000 362,000 2,665,000

US Army Corps of Engineers
District: CELRC

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Managing: 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

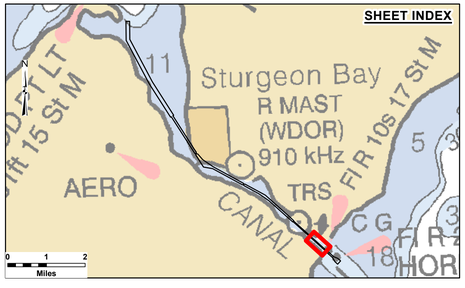
STURGEON BAY HARBOR

ST_01_GBY_20260511_CS_10

11 May 2026

Sheet Reference Number 2 of 17

SHEET INDEX



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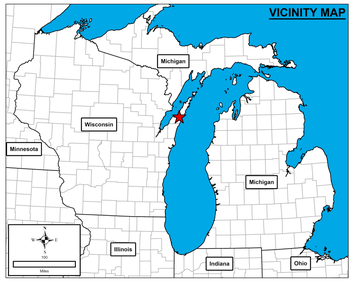

LEGEND

- Federal Navigation Channel
- Cable Submarine
- Cable Overhead
- Placement Area
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UNLESS OTHERWISE NOTED PROJECT DEPTH IS:
23.0' ENTRANCE CHANNEL
22.0' CANAL
DEPTH BELOW LOW WATER DATUM (LWD)

N E S W

0 50 100 200 300
Feet

NOTES:

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CORPS OF ENGINEERS

U.S. ARMY

366,000 2,663,000 365,000 2,664,000

2,662,000

366,000

364,000

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2,661,000

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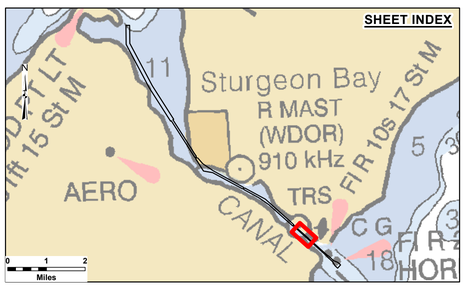
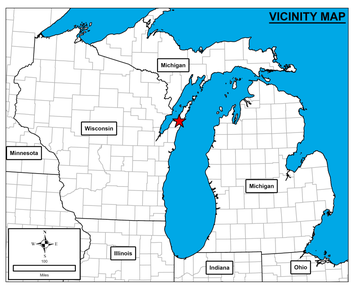
Microsoft, Vexcel

SHEET INDEX



VICINITY MAP



LEGEND

- Federal Navigation Channel
- Cable Submarine
- Cable Overhead
- Placement Area
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- Shoaling Area
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UNLESS OTHERWISE NOTED PROJECT DEPTH IS:
23.0' ENTRANCE CHANNEL
22.0' CANAL
DEPTH BELOW LOW WATER DATUM (LWD)

N E S W

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

STURGEON BAY HARBOR

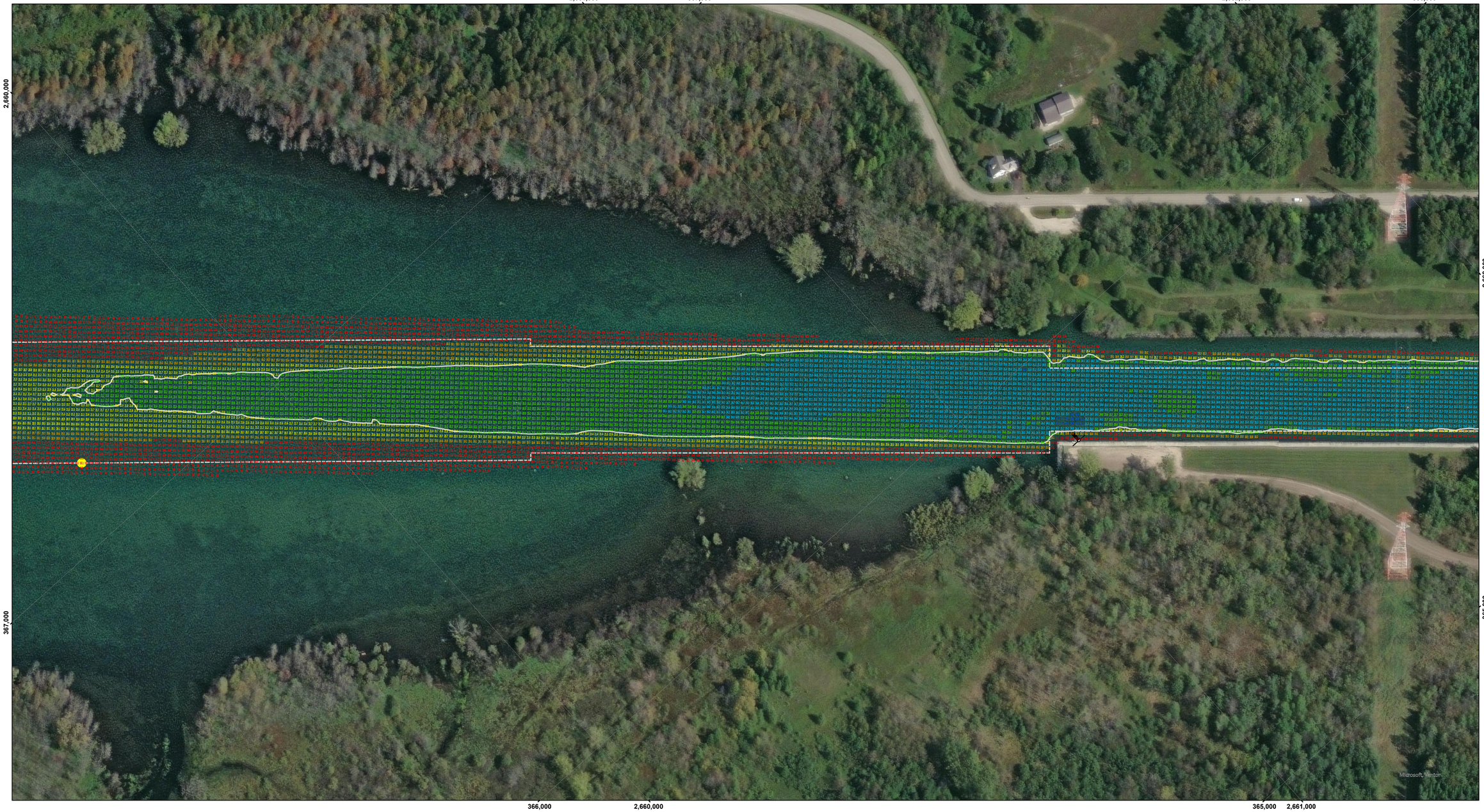
ST_01_GBY_20260511_CS_10

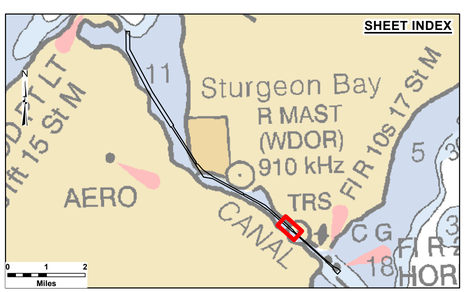
11 May 2026

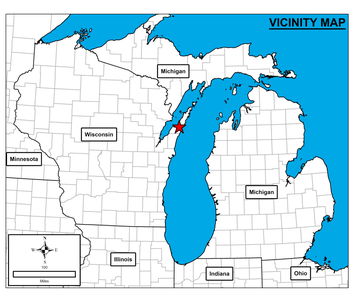
Sheet Reference Number 3 of 17

CORPS OF ENGINEERS

U.S. ARMY







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
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UNLESS OTHERWISE NOTED PROJECT DEPTH IS:
23.0' ENTRANCE CHANNEL
22.0' CANAL
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

STURGEON BAY HARBOR

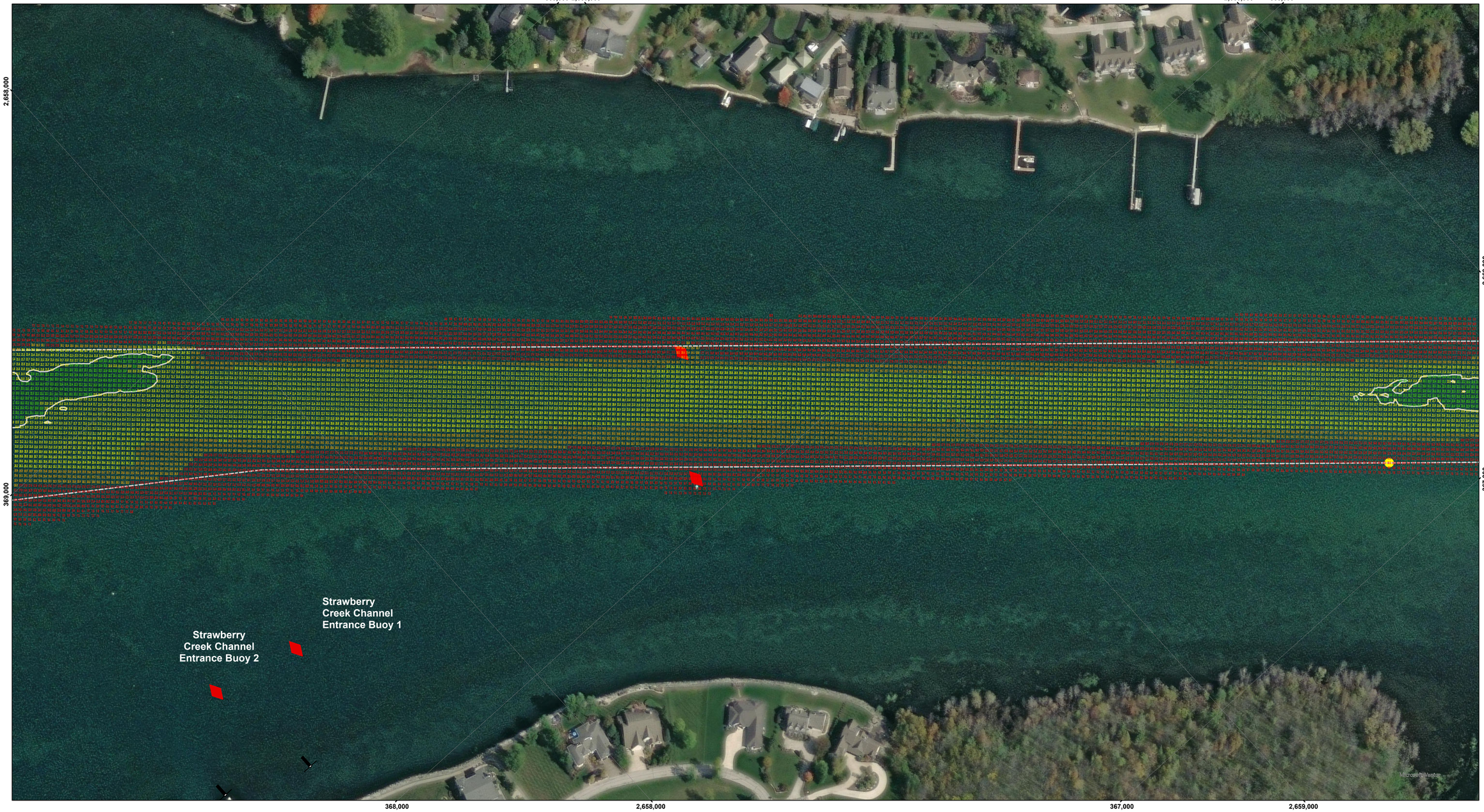
ST_01_GBY_20260511_CS_10

11 May 2026

Sheet Reference Number
4 of 17

CORPS OF ENGINEERS

U.S. ARMY



US Army Corps of Engineers
District: CELRC

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

STURGEON BAY HARBOR

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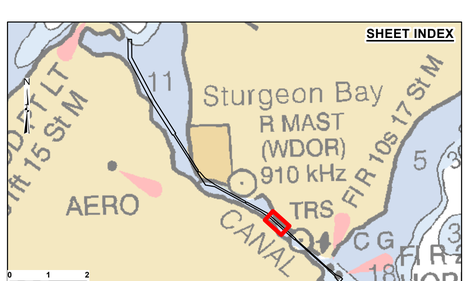
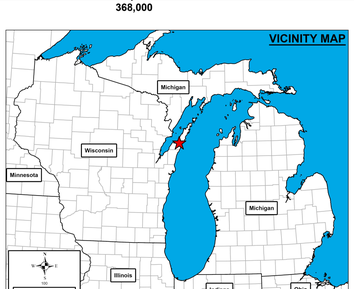
5 of 17





LEGEND

- Federal Navigation Channel
- Cable Submarine
- Cable Overhead
- Placement Area
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UNLESS OTHERWISE NOTED PROJECT DEPTH IS:
23.0' ENTRANCE CHANNEL
22.0' CANAL
DEPTH BELOW LOW WATER DATUM (LWD)

N E S W

0 50 100 200 300
Feet

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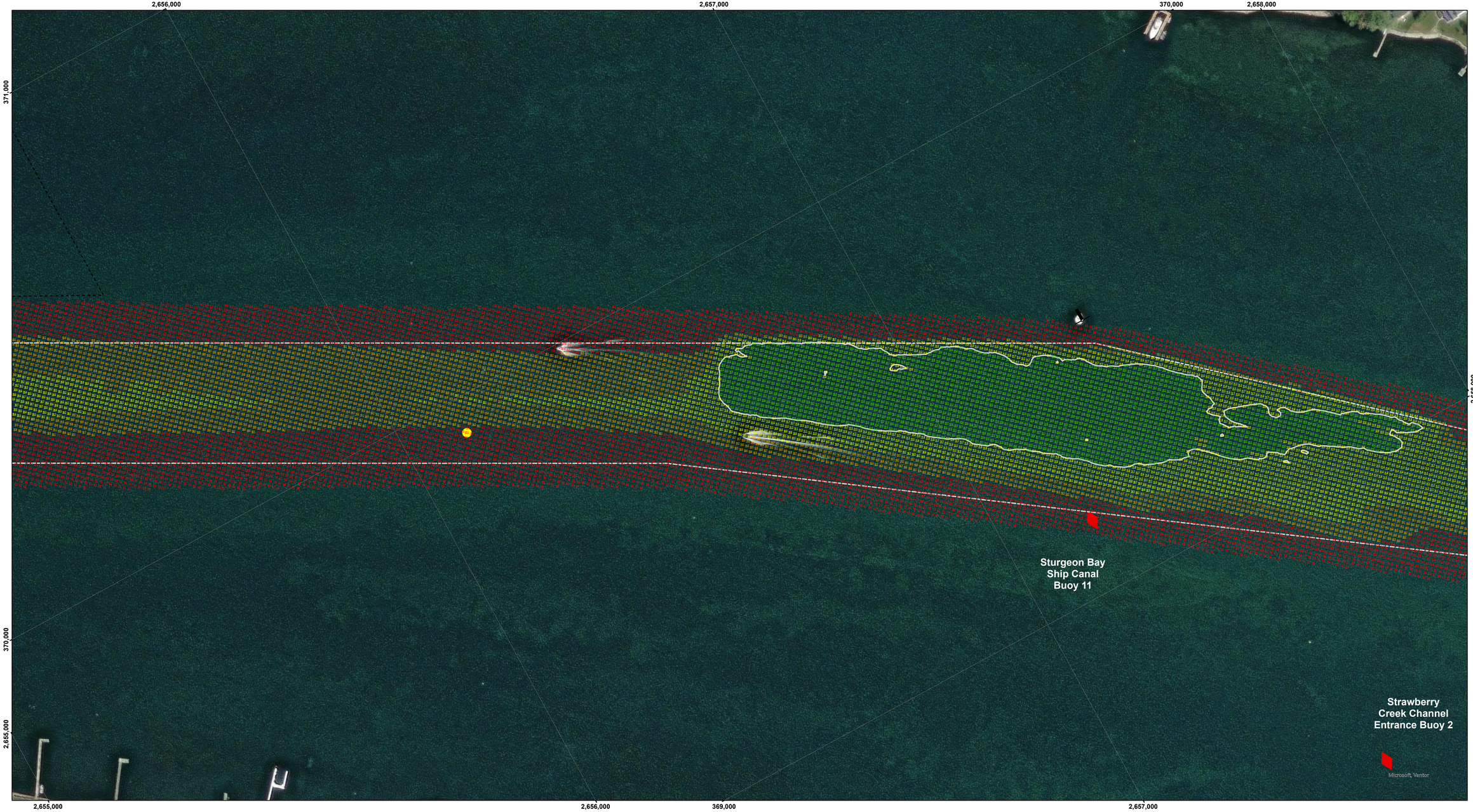

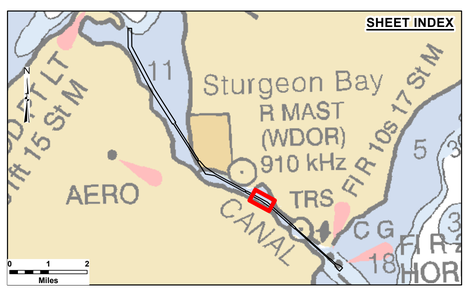

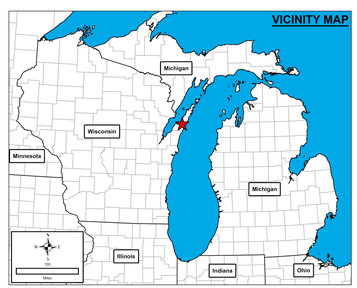

LEGEND

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WATER LEVEL WAS DETERMINED USING RTK CORRECTIONS FROM WISCORS.

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\ST_01_GBY_20260511_CS_10.mxd

STURGEON BAY HARBOR

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11 May 2026

Sheet Reference Number
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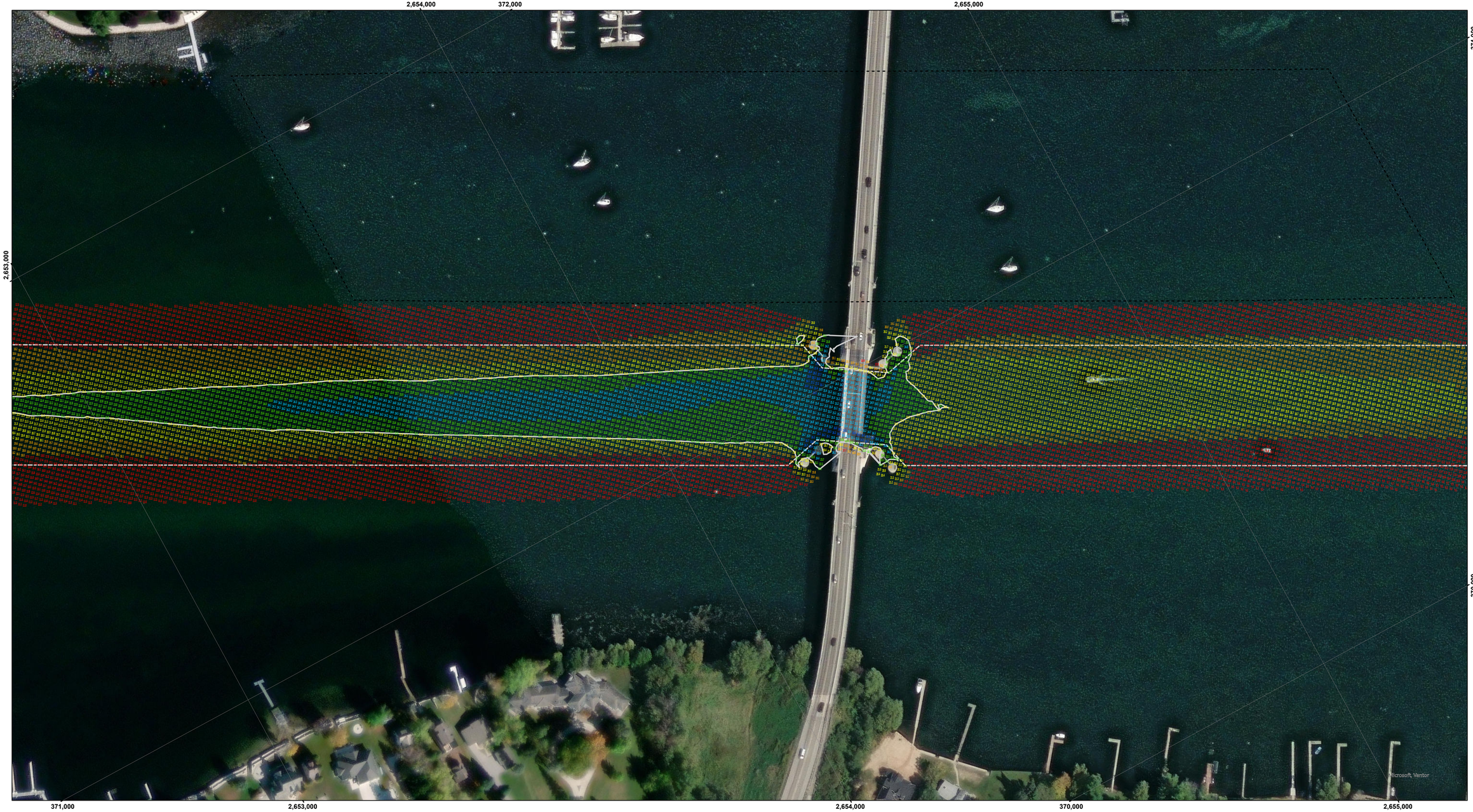

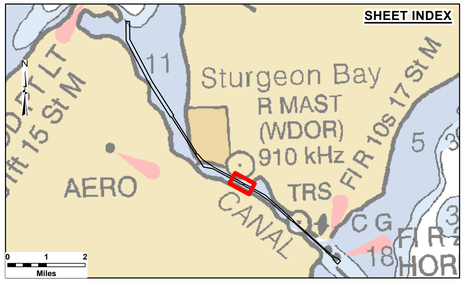

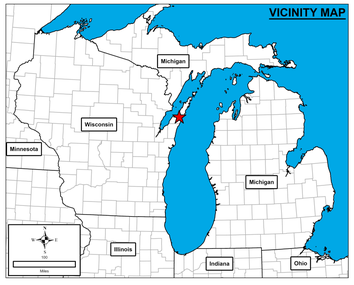

LEGEND

- 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:
23.0’ ENTRANCE CHANNEL
22.0’ CANAL
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 Kvasny, Lake Michigan Project Office
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U.S. ARMY ENGINEER
CORPS OF ENGINEERS
CHICAGO, ILLINOIS

STURGEON BAY HARBOR

ST_01_GBY_20260511_CS_10

11 May 2026

Sheet Reference Number
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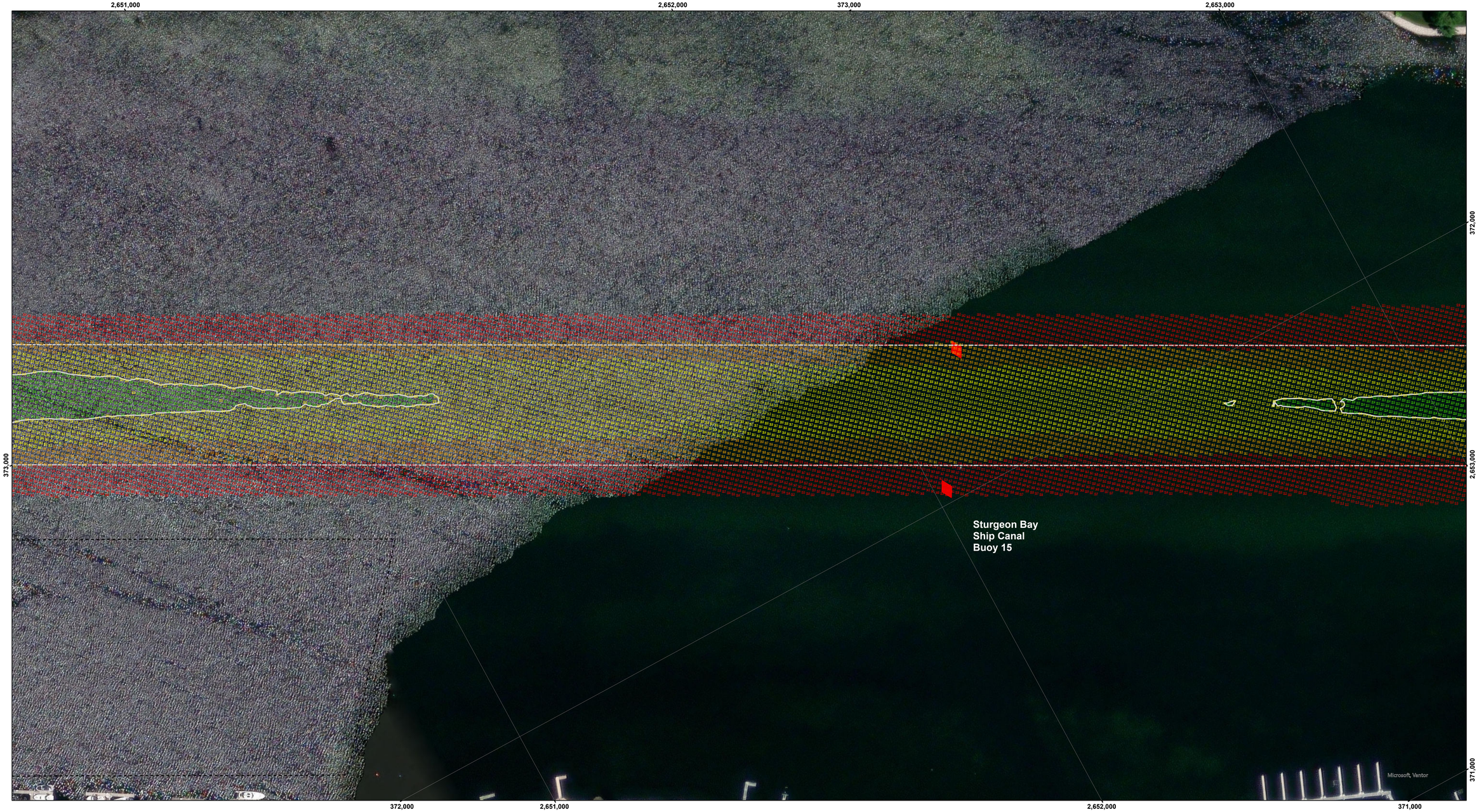

US Army Corps of Engineers
District: CELRC

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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

STURGEON BAY HARBOR

ST_01_GBY_20260511_CS_10

11 May 2026

Sheet Reference Number
8 of 17

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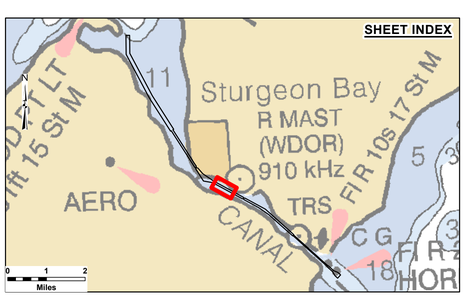
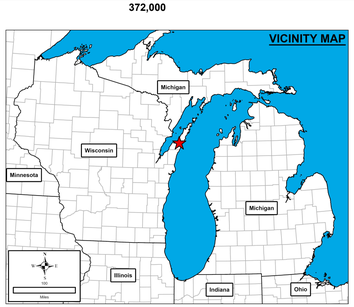


VICINITY MAP



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:
23.0' ENTRANCE CHANNEL
22.0' CANAL
DEPTH BELOW LOW WATER DATUM (LWD)

N E S W

0 50 100 200 300
Feet

NOTES:

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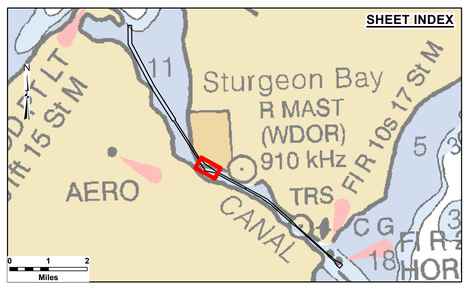

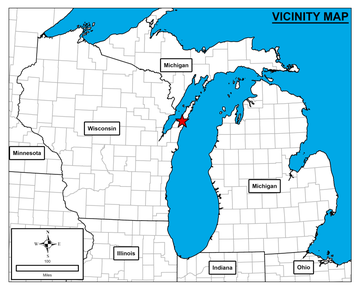

LEGEND

- Federal Navigation Channel
- Cable Submarine
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- 0-2 Feet Above Authorized Channel Depth
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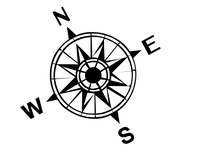
23.0' ENTRANCE CHANNEL
22.0' CANAL
DEPTH BELOW LOW WATER DATUM (LWD)



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

STURGEON BAY HARBOR

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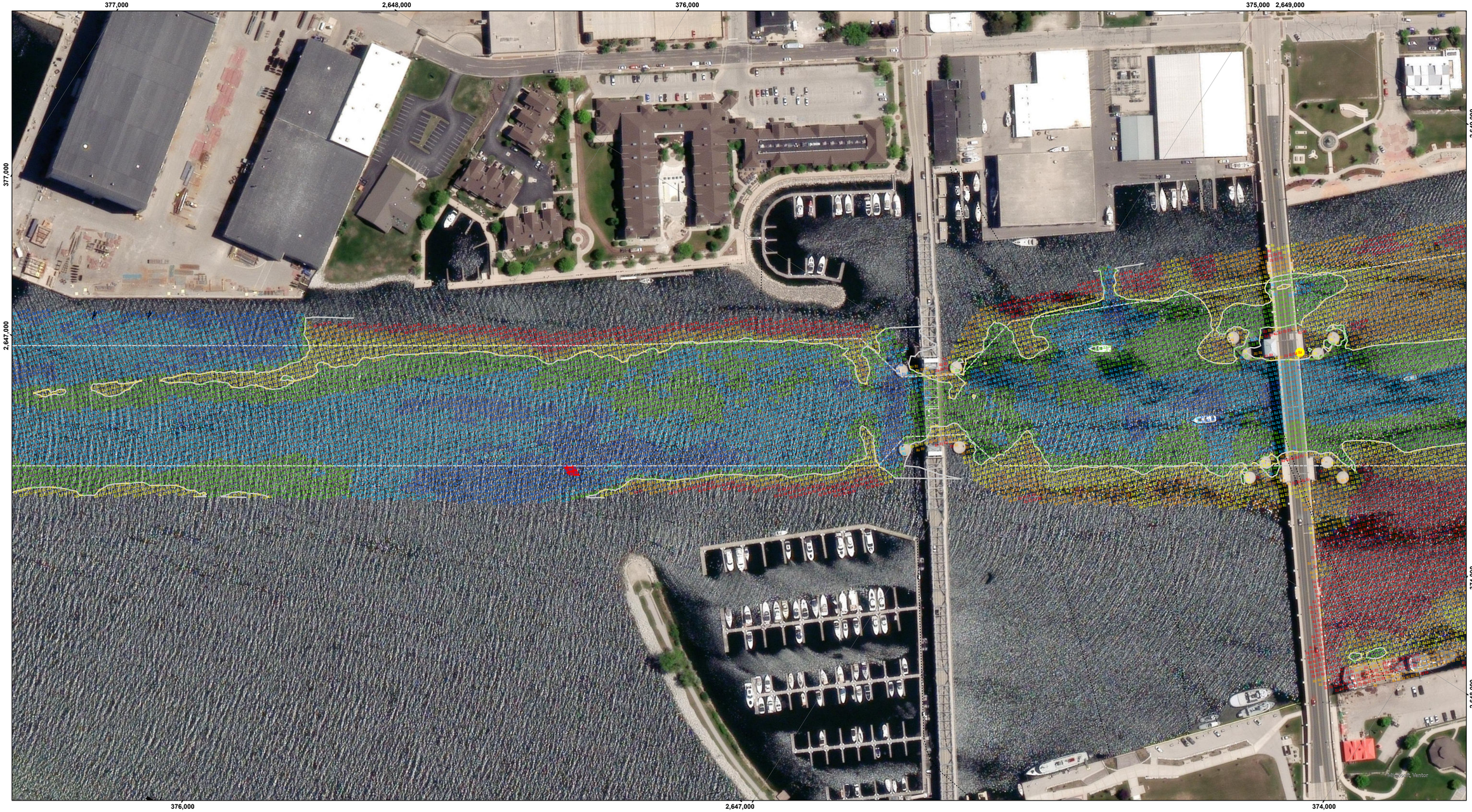

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District: CELRC

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

STURGEON BAY HARBOR

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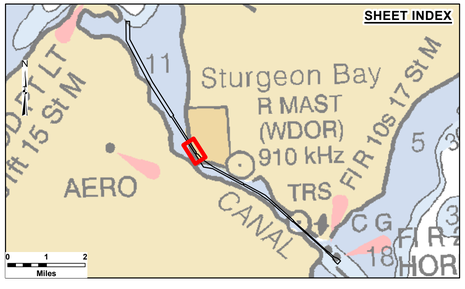

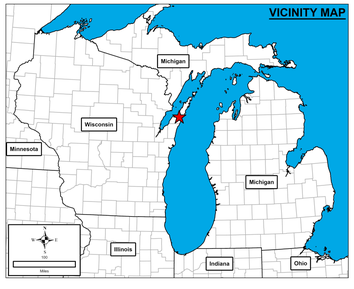

LEGEND

- Federal Navigation Channel
- Cable Submarine
- Cable Overhead
- Placement Area
- Obstruction Point
- Wrecks-Submerged
- Shoaling Area
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- Beacon, General
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- 4+ Feet Above Authorized Channel Depth
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UNLESS OTHERWISE NOTED PROJECT DEPTH IS:
23.0' ENTRANCE CHANNEL
22.0' CANAL
DEPTH BELOW LOW WATER DATUM (LWD)

N E S W

0 50 100 200 300
Feet

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CORPS OF ENGINEERS

U.S. ARMY

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

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STURGEON BAY HARBOR

ST_01_GBY_20260511_CS_10

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Sheet Reference Number
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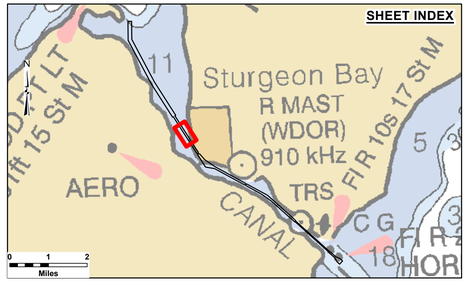
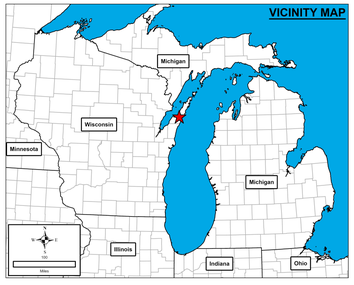


VICINITY MAP



LEGEND

- Federal Navigation Channel
- Cable Submarine
- Cable Overhead
- Placement Area
- Obstruction Point
- Wrecks-Submerged
- Shoaling Area
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- 2-4 Feet Above Authorized Channel Depth
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23.0' ENTRANCE CHANNEL
22.0' CANAL
DEPTH BELOW LOW WATER DATUM (LWD)

0 50 100 200 300
Feet

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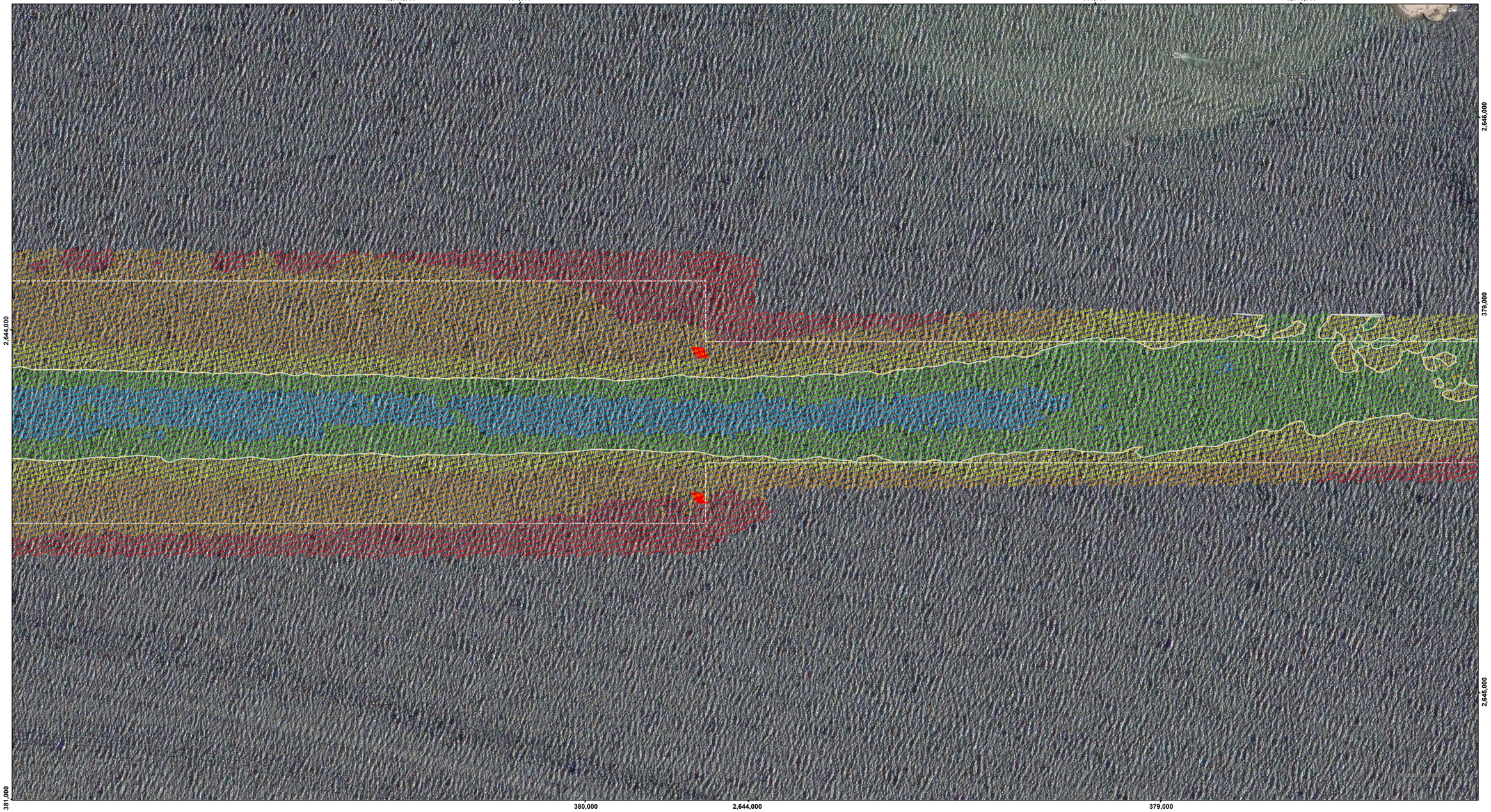
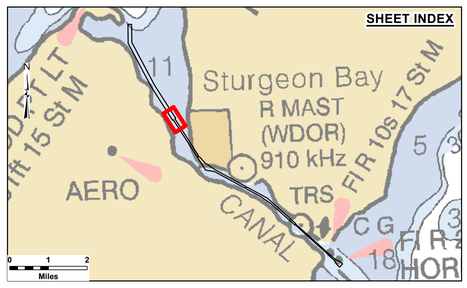
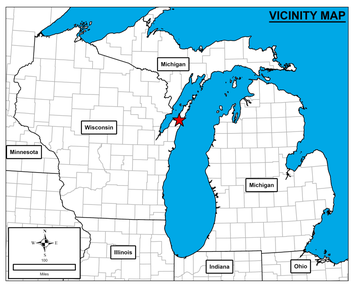
WATER LEVEL WAS DETERMINED USING RTK CORRECTIONS FROM WISCORS.





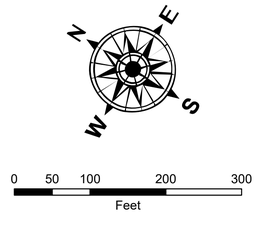


LEGEND

- 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:
23.0' ENTRANCE CHANNEL
22.0' CANAL
DEPTH BELOW LOW WATER DATUM (LWD)



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US Army Corps of Engineers
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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\MAD\ST_01_GBY_20260511_CS_10.mxd

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

STURGEON BAY HARBOR

ST_01_GBY_20260511_CS_10

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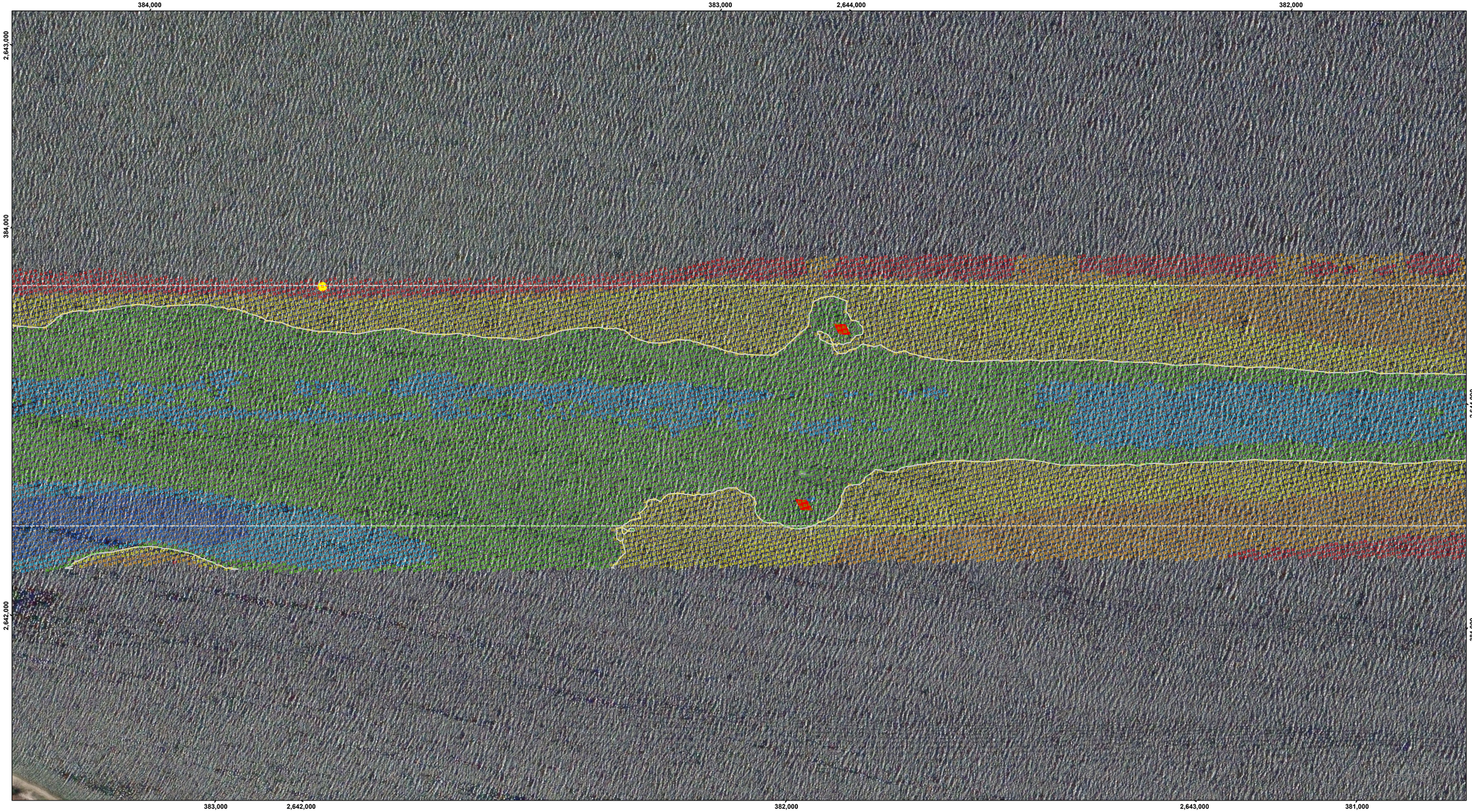
Sheet Reference Number 12 of 17



US Army Corps of Engineers
District: CELRC

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

STURGEON BAY HARBOR

ST_01_GBY_20260511_CS_10

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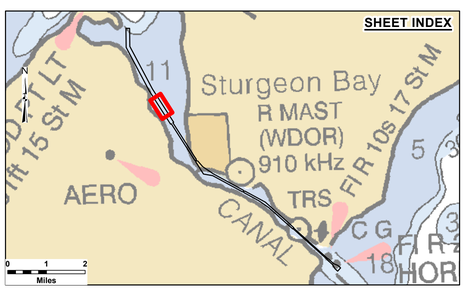

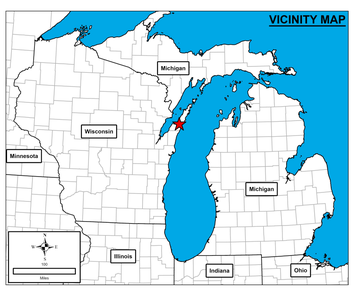

LEGEND

- 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:
23.0' ENTRANCE CHANNEL
22.0' CANAL
DEPTH BELOW LOW WATER DATUM (LWD)

N E S W

0 50 100 200 300
Feet

NOTES:

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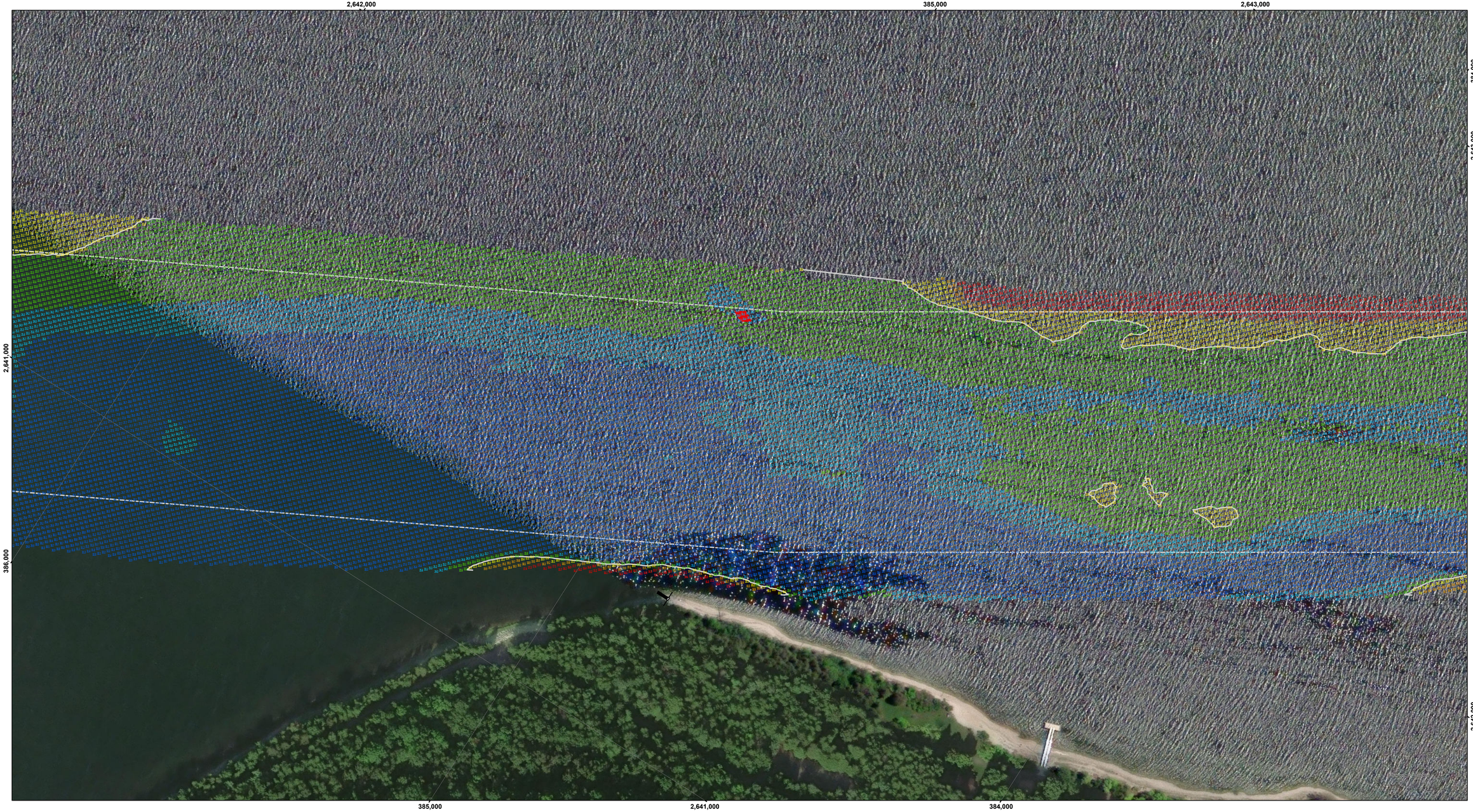
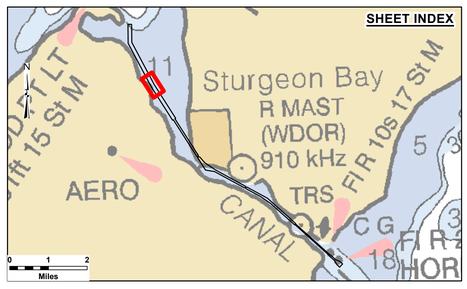
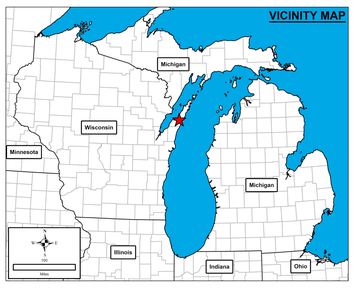
CORPS OF ENGINEERS

U.S. ARMY







LEGEND

- Federal Navigation Channel
- Cable Submarine
- Cable Overhead
- Placement Area
- Obstruction Point
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- Shoalest Sounding
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- 4+ Feet Above Authorized Channel Depth
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- 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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23.0' ENTRANCE CHANNEL
22.0' CANAL
DEPTH BELOW LOW WATER DATUM (LWD)

N E S W

0 50 100 200 300
Feet

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District: CELRC

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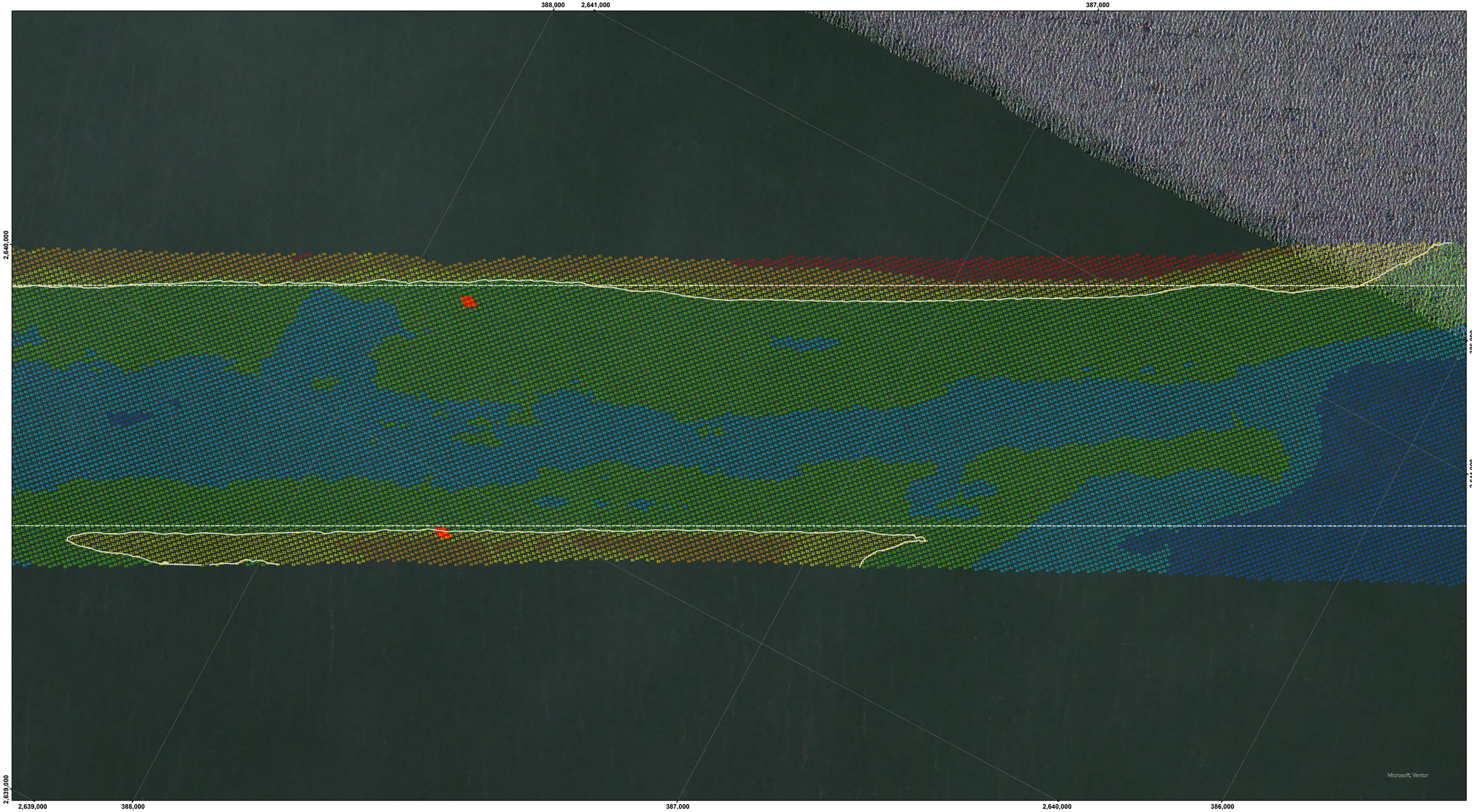

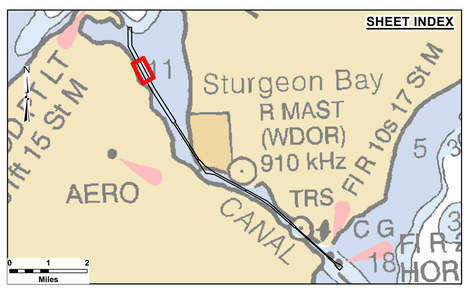

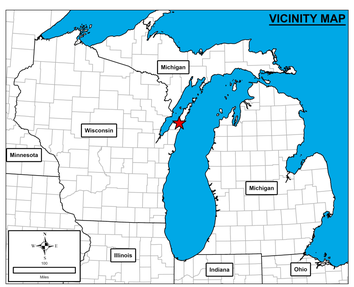

LEGEND

- 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:
23.0' ENTRANCE CHANNEL
22.0' CANAL
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
Path: C:\Working\ehydroproducts\MICHDIST_01_GBY_20260511_CS_10.aptx

STURGEON BAY HARBOR

ST_01_GBY_20260511_CS_10

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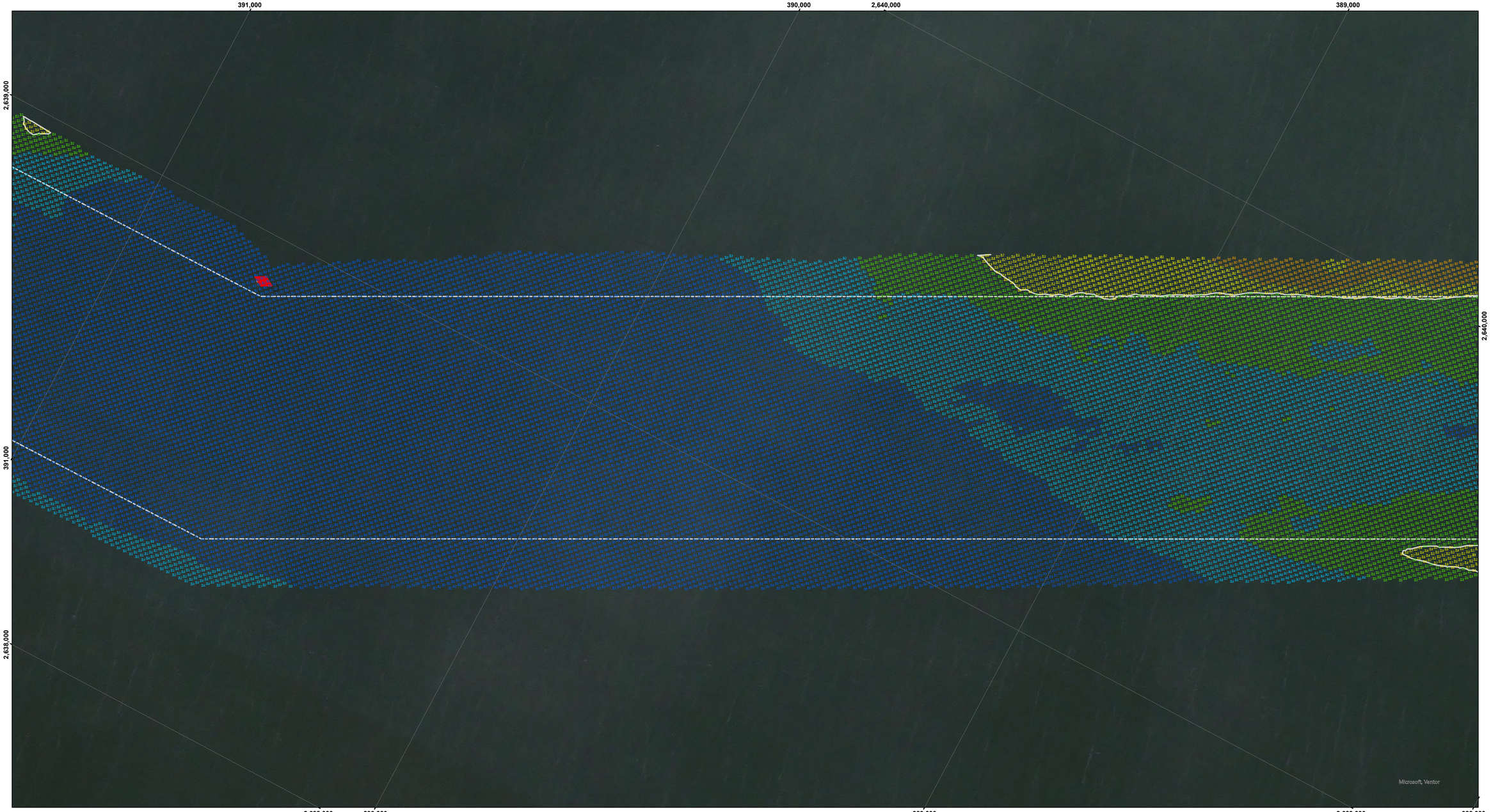

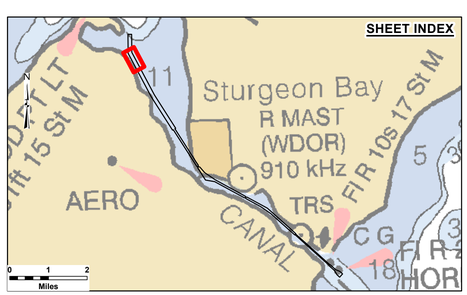

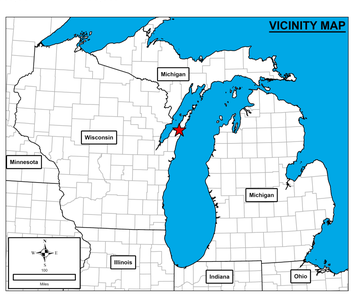

LEGEND

- Federal Navigation Channel
- Cable Submarine
- Cable Overhead
- Placement Area
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- Shoaling Area
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23.0' ENTRANCE CHANNEL
22.0' CANAL
DEPTH BELOW LOW WATER DATUM (LWD)

0 50 100 200 300
Feet

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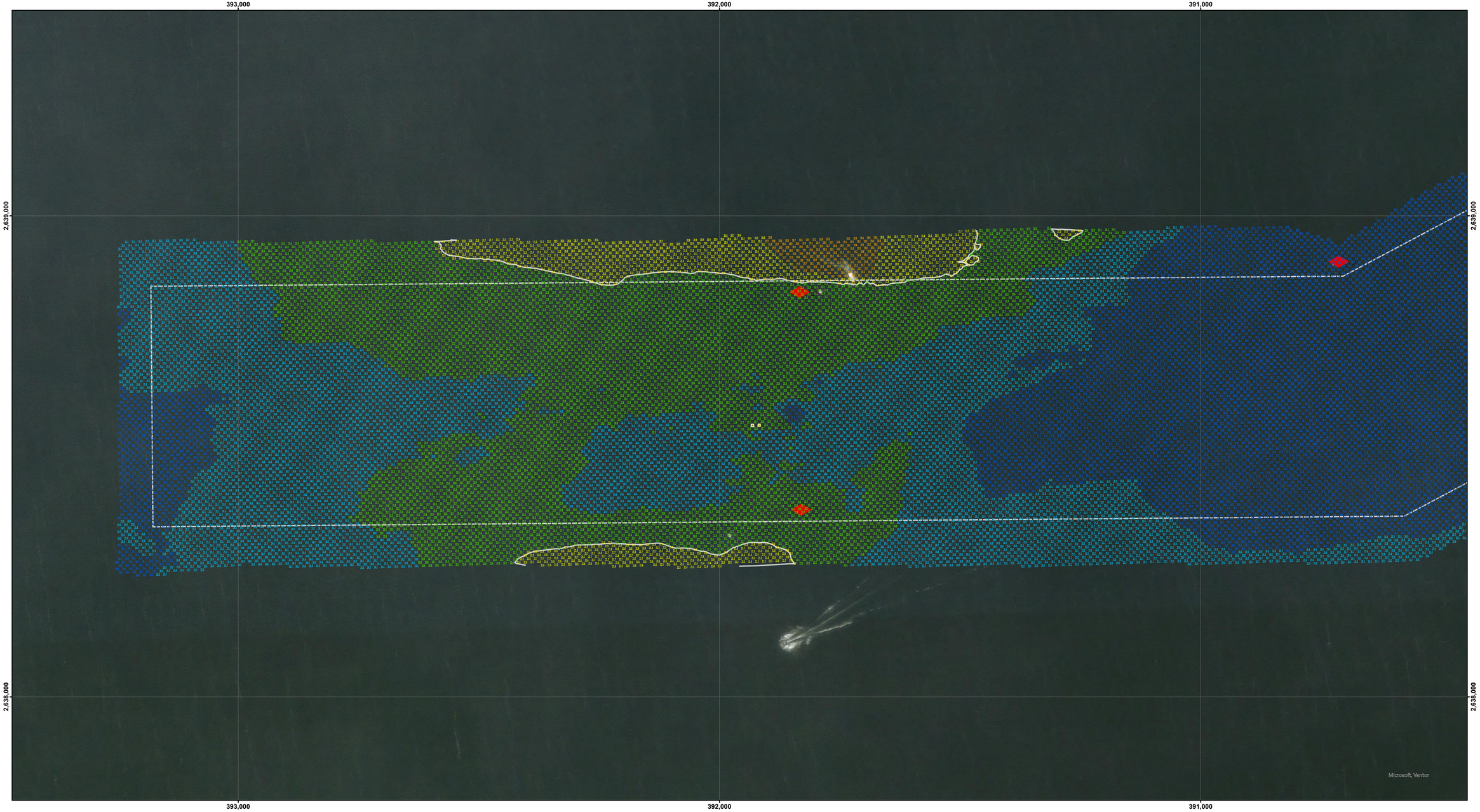
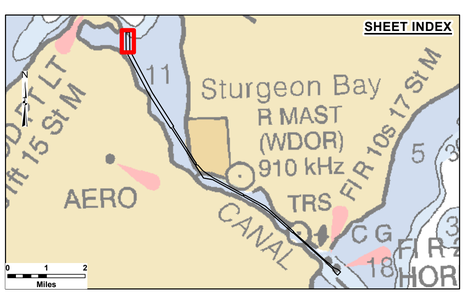
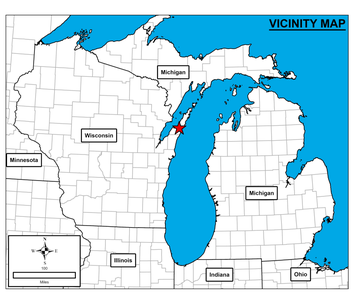
CORPS OF ENGINEERS

U.S. ARMY





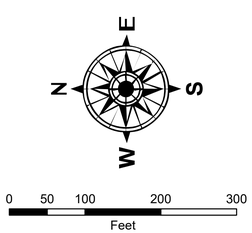


LEGEND

- 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:
23.0' ENTRANCE CHANNEL
22.0' CANAL
DEPTH BELOW LOW WATER DATUM (LWD)



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 WISCONSIN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, CENTRAL ZONE 4802, 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 10'X10' 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 WISCORS.

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\ehydro\products\MXD\ST_01_GBY_20260511_CS_10.mxd

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

STURGEON BAY HARBOR

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11 May 2026

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