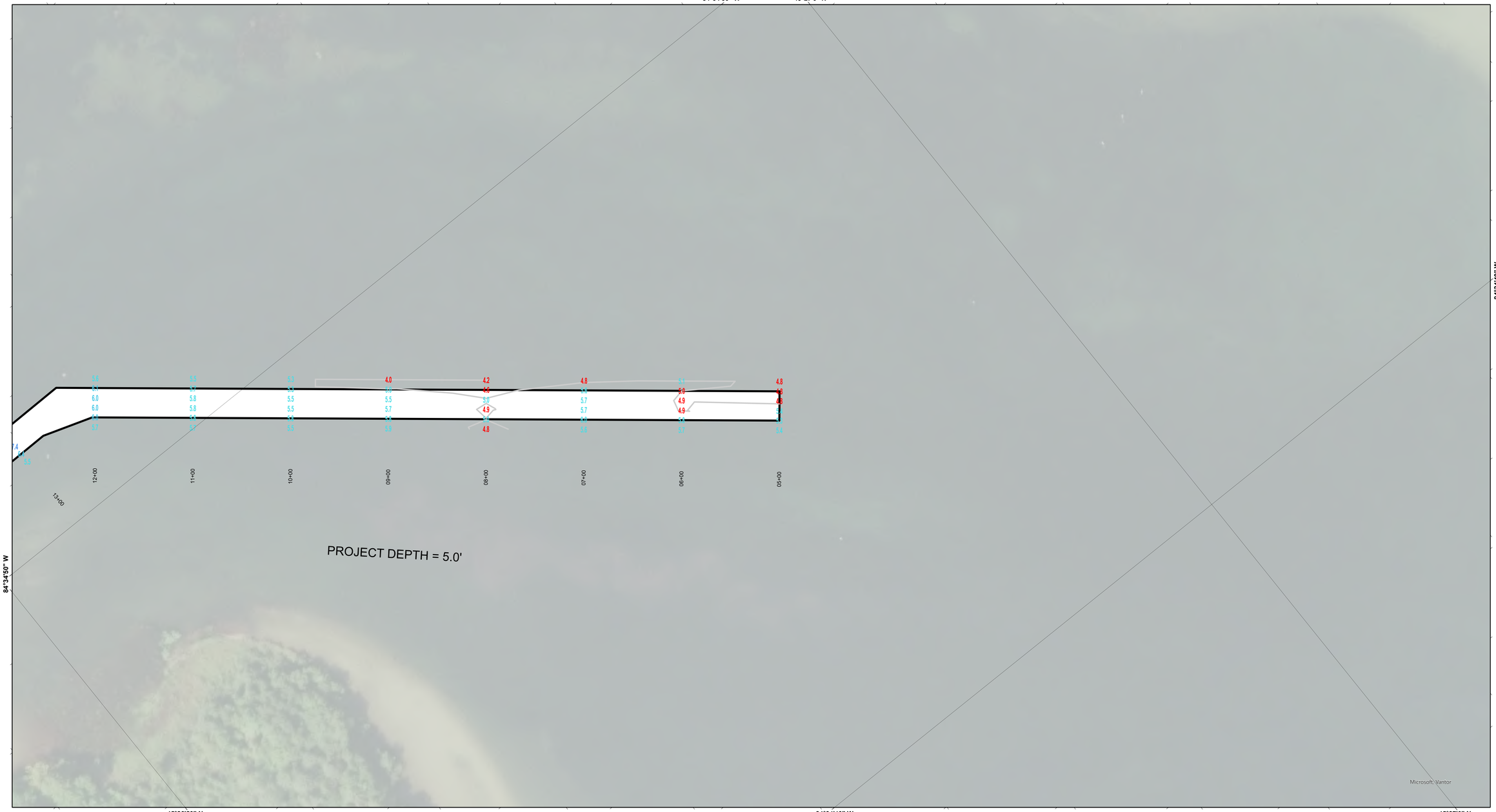
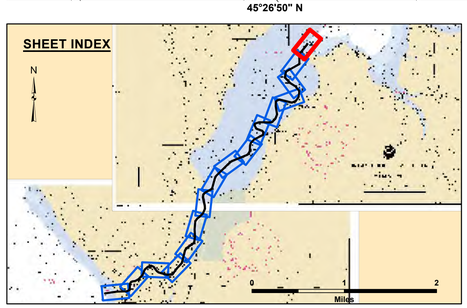
84°34'50" W 45°27'0" N

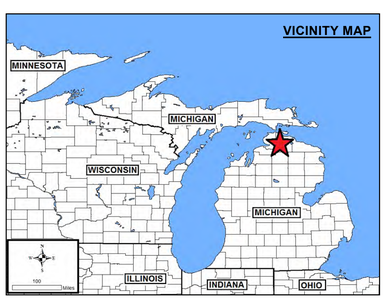
84°34'40" W

84°34'50" W

45°26'50" N 84°34'40" W 45°27'0" N







LEGEND

- Cable Submarine
- Cable Overhead
- Beacon, General
- Placement Areas
- Contour Lines
- Channel_Limits

SOUNDING LEGEND

- LESS THAN PROJECT DEPTH
- PROJECT DEPTH
- PROJECT DEPTH +1'
- PROJECT DEPTH +2'
- PROJECT DEPTH +3'
- PROJECT DEPTH +4'
- PROJECT DEPTH +5'

1 inch = 50 feet

Feet 0 50 100 150 200 250

NOTES:

1. THE SOUNDINGS INDICATED HEREIN ARE GENERALIZED DEPTHS AND ARE NOT REPRESENTATIVE OF THE FULL DATASET.

2. ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). BURT LAKE LOW WATER DATUM (LWD) ZERO IS 593.8 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. MULLETT LAKE LWD ZERO IS 592.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. WATER LEVEL READINGS ARE FROM RTK GPS COLLECTED THROUGHOUT THE RIVER. DEPTHS ARE MEASURED USING AN ODOM ECHOTRAC E20 SINGLEBEAM ECHOSOUNDER.

3. HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM (RTK). CORRECTIONS ARE PROVIDED BY THE MICHIGAN CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS). THE CLOSEST BASE STATION IS USED AS THE DETERMINING FACTOR IN CORRECTION SELECTION. THE GPS RECIEVER IS A TRIMBLE MPS865.

4. HORIZONTAL POSITIONING IS DETERMINED BY APPLANIX POS MV4 W/VRS-RTK OR MARINESTAR G2+.

5. THE GRID SHOWN REFERENCES LATITUDE/LONGITUDE DISPLAYED AS DEGREES, MINUTE, SECONDS IN 10 SECOND INCREMENTS. THE SURVEY DATA REPRESENTED HEREIN IS PROJECTED TO THE MICHIGAN STATE PLANE, CENTRAL ZONE (2112), NORTH AMERICAN DATUM 1983 (NAD83), US SURVEY FOOT.

6. UNLESS OTHERWISE NOTED PROJECT DEPTHS ARE 5.0 FEET BELOW LWD

IMAGERY SOURCED FROM: MAXAR, MICROSOFT

US Army Corps of Engineers
District: CELRE

DISCLAIMER
Access Constraints: The United States Government furnishes these data and information on an "as is" basis. The user's use of the data and information is at the user's sole risk and is subject to all copyrights, restrictions and proprietary rights. The user must understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, reliability, or suitability of these data and information. The user must not represent these data and information to anyone as other than US Government data. The user must not imply endorsement of any of the application of the data for other than its intended purpose.

Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers project and is valid only under those conditions. As such, it is only valid for its intended use, content, time and accuracy as determined by the project requirements. The user is liable for any of the application of the data for other than its intended purpose.

U.S. ARMY CORPRPS OF ENGINEERS
DETROIT DISTRICT

Surveyed By:	Plotted By:	Checked By:
Submitted:	Recommended: Chief, Survey Section	Approved: Chief, Technical Services

Inland Route, MI
Indian River
IR_01_IND_20260805_CS
05 August 2026

Sheet Reference Number
1 of 16

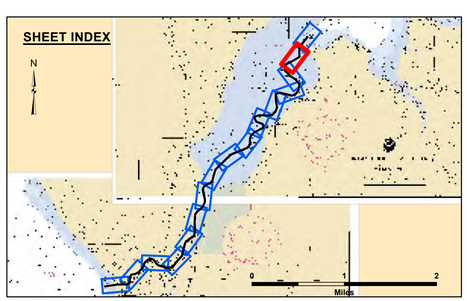
Revision Number:
5.26.04.06-5.26.04.06

84°35'0" W 45°26'50" N 84°34'50" W 45°26'40" N

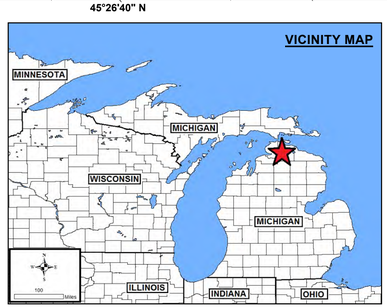
PROJECT DEPTH = 5.0'

Microsoft, Vantor

SHEET INDEX



VICINITY MAP



LEGEND

- Cable Submarine
- Cable Overhead
- Beacon, General
- Placement Areas
- Contour Lines
- Channel_Limits

SOUNDING LEGEND

- LESS THAN PROJECT DEPTH
- PROJECT DEPTH
- PROJECT DEPTH +1'
- PROJECT DEPTH +2'
- PROJECT DEPTH +3'
- PROJECT DEPTH +4'
- PROJECT DEPTH +5'

1 inch = 50 feet

Feet 0 50 100 150 200 250

NOTES:

1. THE SOUNDINGS INDICATED HEREIN ARE GENERALIZED DEPTHS AND ARE NOT REPRESENTATIVE OF THE FULL DATASET.

2. ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). BURT LAKE LOW WATER DATUM (LWD) ZERO IS 593.8 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. MULLETT LAKE LWD ZERO IS 592.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. WATER LEVEL READINGS ARE FROM RTK GPS COLLECTED THROUGHOUT THE RIVER. DEPTHS ARE MEASURED USING AN ODOM ECHOTRAC E20 SINGLEBEAM ECHOSOUNDER.

3. HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM (RTK). CORRECTIONS ARE PROVIDED BY THE MICHIGAN CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS). THE CLOSEST BASE STATION IS USED AS THE DETERMINING FACTOR IN CORRECTION SELECTION. THE GPS RECIEVER IS A TRIMBLE MPS865.

4. HORIZONTAL POSITIONING IS DETERMINED BY APPLANIX POS MV4 W/VRS-RTK OR MARINESTAR G2+.

5. THE GRID SHOWN REFERENCES LATITUDE/LONGITUDE DISPLAYED AS DEGREES, MINUTE, SECONDS IN 10 SECOND INCREMENTS. THE SURVEY DATA REPRESENTED HEREIN IS PROJECTED TO THE MICHIGAN STATE PLANE, CENTRAL ZONE (2112), NORTH AMERICAN DATUM 1983 (NAD83), US SURVEY FOOT.

6. UNLESS OTHERWISE NOTED PROJECT DEPTHS ARE 5.0 FEET BELOW LWD

IMAGERY SOURCED FROM: MAXAR, MICROSOFT

US Army Corps of Engineers
District: CELRE

Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers project and reflects the survey conditions. As such, it is only valid for its intended use, content, time and extent specified for the survey. Any use or modification to the data or of any of the application of the data for other than its intended purpose.

DISCLAIMER
Access Constraints: The United States Government furnishes this data and information with the understanding that it expressed, or implied concerning the accuracy, completeness, reliability, suitability, or utility of this data and information and the data furnished. The United States shall be held harmless from any liability resulting from the use of this data made thereof. These data belong to the Government. Therefore the recipient fully agrees not to represent these data to anyone as other than Government data unless specifically directed to do so and to transfer these data to others without also transferring this Disclaimer.

U.S. ARMY CORRPS OF ENGINEERS
DETROIT DISTRICT

Surveyed By:	Plotted By:	Checked By:

Submitted: _____

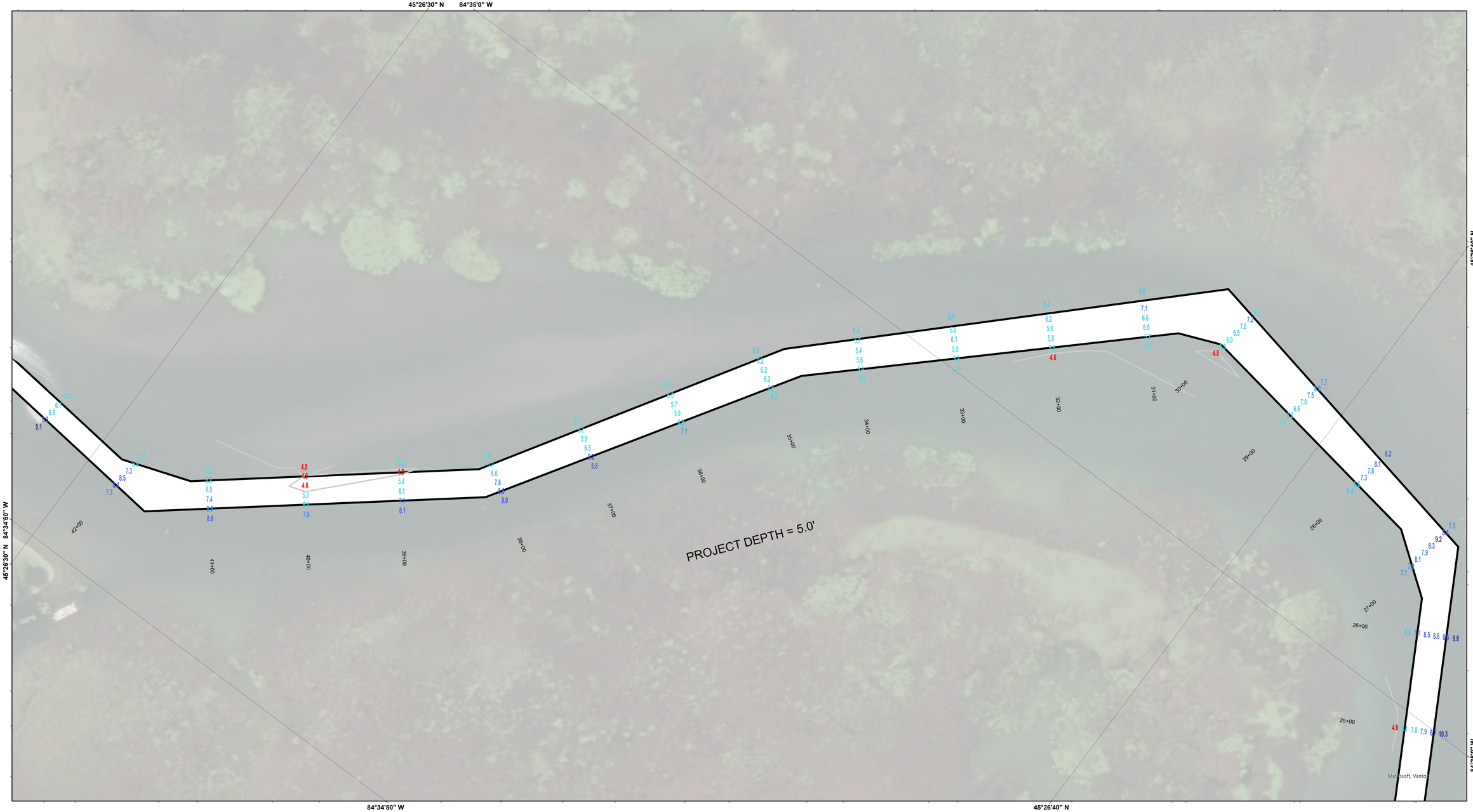
Recommended: _____ Chief, Survey Section

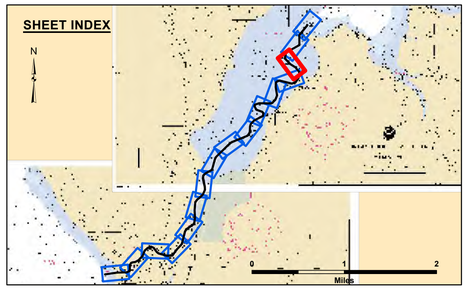
Approved: _____ Chief, Technical Services

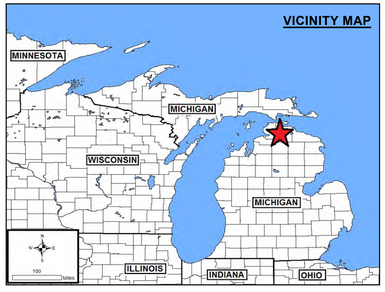
Inland Route, MI
Indian River
IR_01_IND_20260805_CS
05 August 2026

Sheet Reference Number
2 of 16

Revision Number:
5.26.04.06-5.26.04.06







LEGEND

- Cable Submarine
- Cable Overhead
- Beacon, General
- Placement Areas
- Contour Lines
- Channel_Limits

SOUNDING LEGEND

- LESS THAN PROJECT DEPTH
- PROJECT DEPTH
- PROJECT DEPTH +1'
- PROJECT DEPTH +2'
- PROJECT DEPTH +3'
- PROJECT DEPTH +4'
- PROJECT DEPTH +5'

1 inch = 50 feet

Feet
0 50 100 150 200 250

NOTES:

1. THE SOUNDINGS INDICATED HEREIN ARE GENERALIZED DEPTHS AND ARE NOT REPRESENTATIVE OF THE FULL DATASET.

2. ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). BURT LAKE LOW WATER DATUM (LWD) ZERO IS 593.8 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. MULLETT LAKE LWD ZERO IS 592.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. WATER LEVEL READINGS ARE FROM RTK GPS COLLECTED THROUGHOUT THE RIVER. DEPTHS ARE MEASURED USING AN ODOM ECHOTRAC E20 SINGLEBEAM ECHOSOUNDER.

3. HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM (RTK). CORRECTIONS ARE PROVIDED BY THE MICHIGAN CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS). THE CLOSEST BASE STATION IS USED AS THE DETERMINING FACTOR IN CORRECTION SELECTION. THE GPS RECIEVER IS A TRIMBLE MPS865.

4. HORIZONTAL POSITIONING IS DETERMINED BY APPLANIX POS MV4 W/VRS-RTK OR MARINESTAR G2+.

5. THE GRID SHOWN REFERENCES LATITUDE/LONGITUDE DISPLAYED AS DEGREES, MINUTE, SECONDS IN 10 SECOND INCREMENTS. THE SURVEY DATA REPRESENTED HEREIN IS PROJECTED TO THE MICHIGAN STATE PLANE, CENTRAL ZONE (2112), NORTH AMERICAN DATUM 1983 (NAD83), US SURVEY FOOT.

6. UNLESS OTHERWISE NOTED PROJECT DEPTHS ARE 5.0 FEET BELOW LWD

IMAGERY SOURCED FROM: MAXAR, MICROSOFT

US Army Corps of Engineers
District: CELRE

DISCLAIMER
Access Constraints: The United States Government furnishes these data and information on an "as is" basis. The recipient's understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, reliability, or suitability of these data and information. Neither the information and the data furnished. The United States shall be under no liability whatsoever to any person by reason of any use made thereof. These data belong to the Government. Therefore the recipient fully agrees not to represent these data to anyone as other than data received from the Government. The recipient shall not transfer these data to others without also transferring this Disclaimer.

Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers mission and is valid only under those conditions. As such, it is only valid for its intended use, content, time and accuracy requirements. It is the user's responsibility to verify the validity of any of the application of the data for other than its intended purpose.

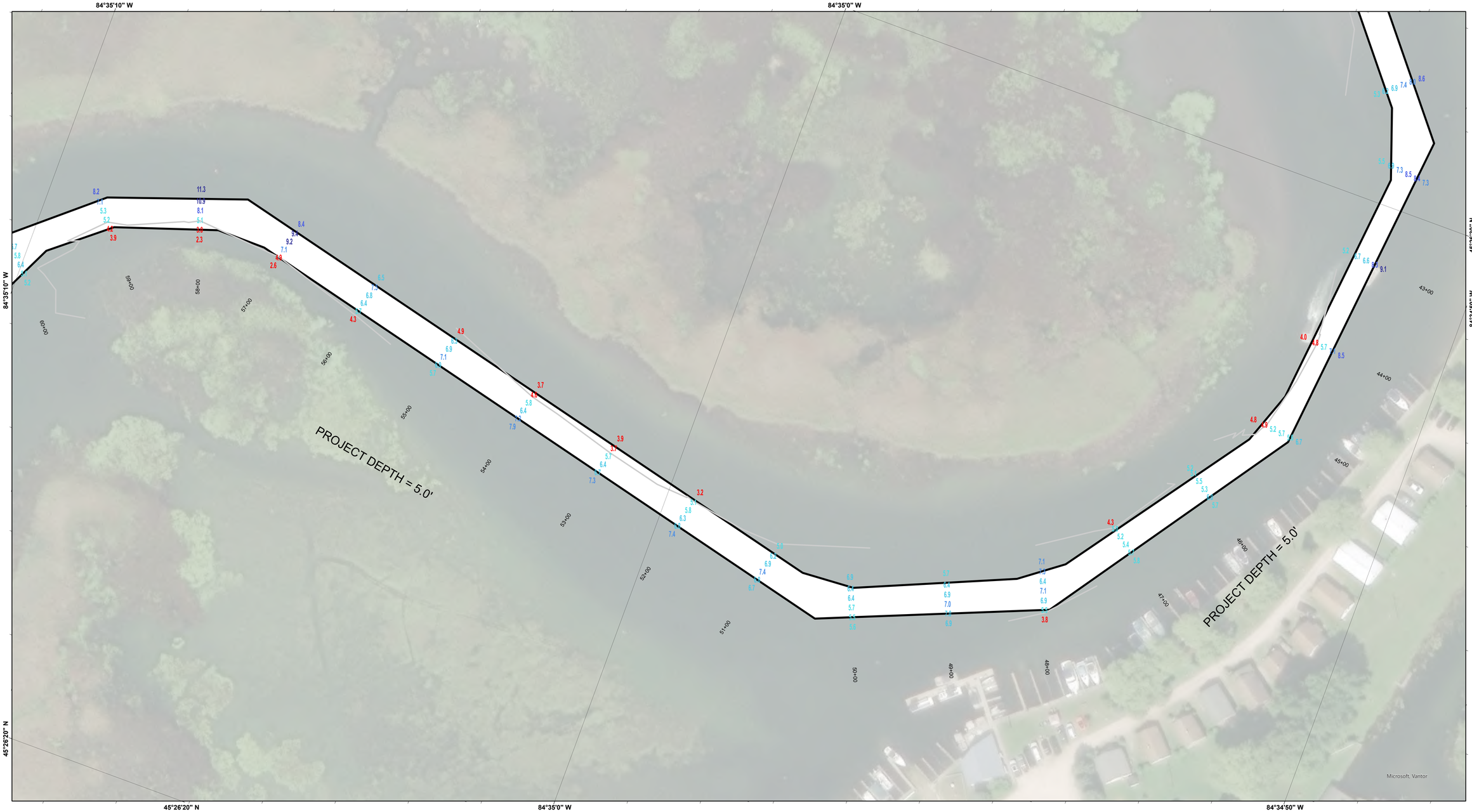
U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

	Surveyed By:	Plotted By:	Checked By:
Submitted			
Recommended: Chief, Survey Section			
Approved: Chief, Technical Services			

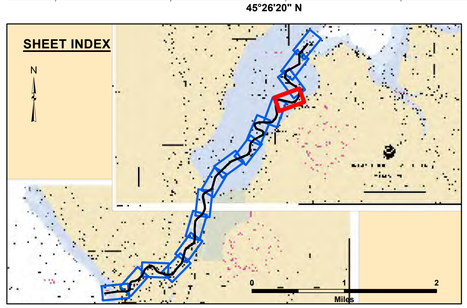
Inland Route, MI
Indian River
IR_01_IND_20260805_CS
05 August 2026

Sheet Reference Number
3 of 16

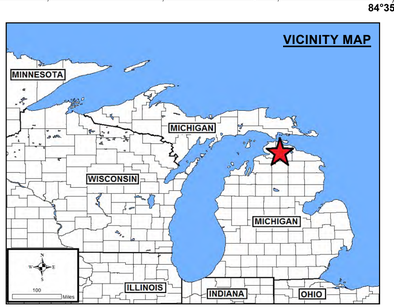
Revision Number:
5.26.04.06-5.26.04.06



SHEET INDEX



VICINITY MAP



LEGEND

- Cable Submarine
- Cable Overhead
- Beacon, General
- Placement Areas
- Contour Lines
- Channel_Limits

SOUNDING LEGEND

- LESS THAN PROJECT DEPTH
- PROJECT DEPTH
- PROJECT DEPTH +1'
- PROJECT DEPTH +2'
- PROJECT DEPTH +3'
- PROJECT DEPTH +4'
- PROJECT DEPTH +5'

N W E S

1 inch = 50 feet

Feet 0 50 100 150 200 250

NOTES:

1.THE SOUNDINGS INDICATED HEREIN ARE GENERALIZED DEPTHS AND ARE NOT REPRESENTATIVE OF THE FULL DATASET.

2. ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). BURT LAKE LOW WATER DATUM (LWD) ZERO IS 593.8 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. MULLETT LAKE LWD ZERO IS 592.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. WATER LEVEL READINGS ARE FROM RTK GPS COLLECTED THROUGHOUT THE RIVER. DEPTHS ARE MEASURED USING AN ODOM ECHOTRAC E20 SINGLEBEAM ECHOSOUNDER.

3. HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM (RTK). CORRECTIONS ARE PROVIDED BY THE MICHIGAN CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS). THE CLOSEST BASE STATION IS USED AS THE DETERMINING FACTOR IN CORRECTION SELECTION. THE GPS RECIEVER IS A TRIMBLE MPS865.

4. HORIZONTAL POSITIONING IS DETERMINED BY APPLANIX POS MV4 W/VRS-RTK OR MARINESTAR G2+.

5. THE GRID SHOWN REFERENCES LATITUDE/LONGITUDE DISPLAYED AS DEGREES, MINUTE, SECONDS IN 10 SECOND INCREMENTS. THE SURVEY DATA REPRESENTED HEREIN IS PROJECTED TO THE MICHIGAN STATE PLANE, CENTRAL ZONE (2112), NORTH AMERICAN DATUM 1983 (NAD83), US SURVEY FOOT.

6. UNLESS OTHERWISE NOTED PROJECT DEPTHS ARE 5.0 FEET BELOW LWD

IMAGERY SOURCED FROM: MAXAR, MICROSOFT

US Army Corps of Engineers
District: CELRE

Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers purpose and is valid only under stated conditions. As such, it is only valid for its intended use, content, time and environment. The US Government assumes no liability for any of the application of the data for other than its intended purpose.

DISCLAIMER
Access Constraints: The United States Government furnishes these data and information on an "as is" basis. It is the user's understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, reliability, or suitability of this information. In no event will the information and the data furnished The United States shall be liable for any damages that result from the use of, or reliance on, the data or information furnished hereunder, including but not limited to those made thereof. These data belong to the Government. Therefore the recipient fully agrees not to represent these data to anyone as other than data received from the Government. The recipient shall not transfer these data to others without also transferring this Disclaimer.

U.S. ARMY CORPPS OF ENGINEERS
DETROIT DISTRICT

Surveyed By:	Plotted By:	Checked By:
____	____	____

Submitted: _____

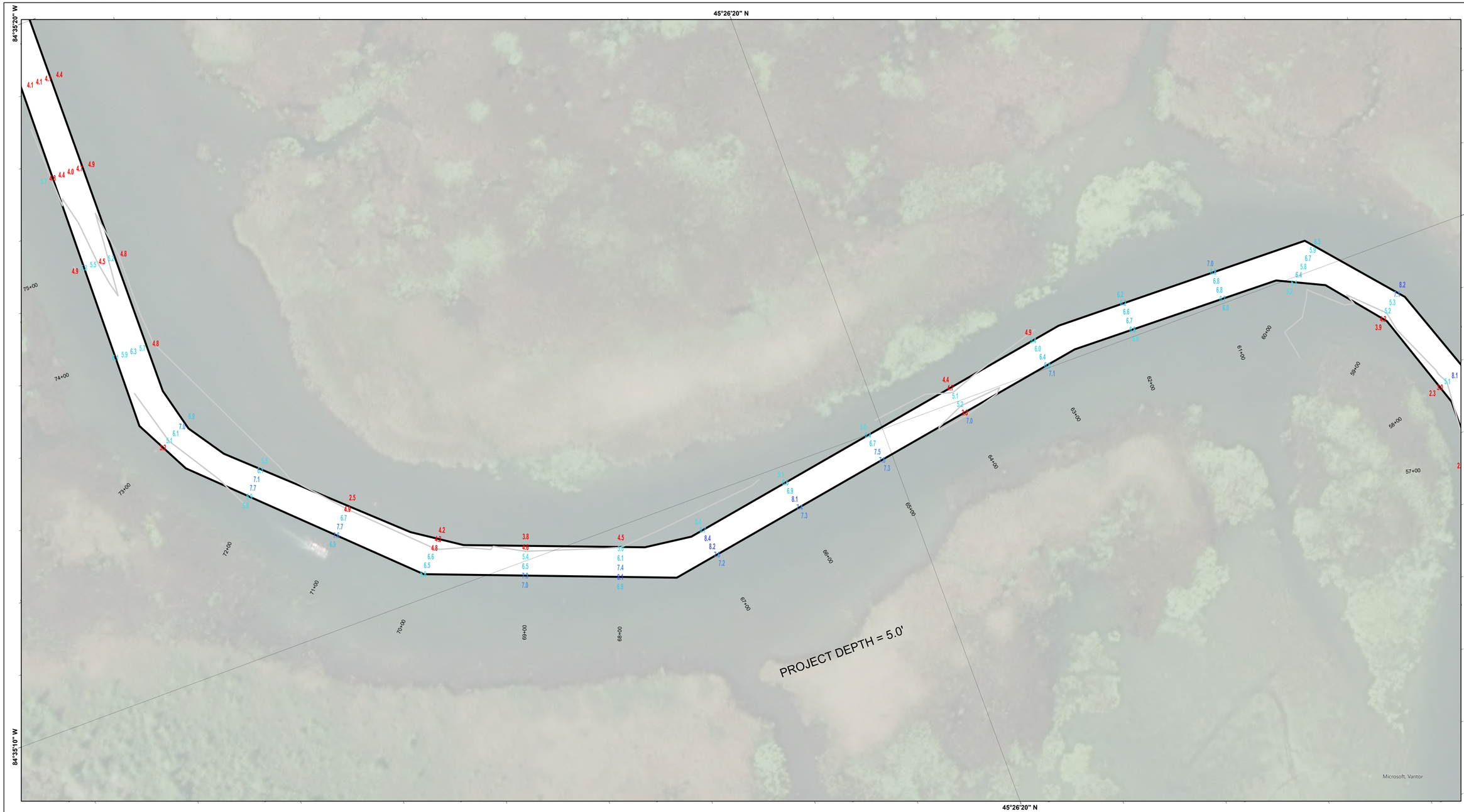
Recommended: Chief, Survey Section _____

Approved: Chief, Technical Services _____

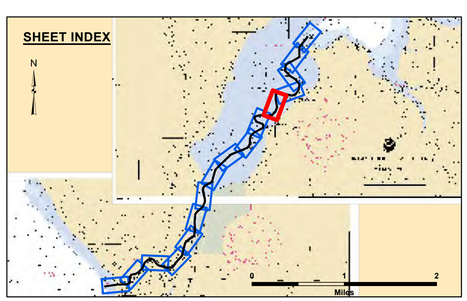
Inland Route, MI
Indian River
IR_01_IND_20260805_CS
05 August 2026

Sheet Reference Number
4 of 16

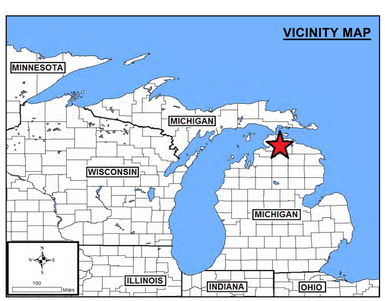
Revision Number:
5.26.04.06-5.26.04.06



SHEET INDEX



VICINITY MAP



LEGEND

- Cable Submarine
- Cable Overhead
- Beacon, General
- Placement Areas
- Contour Lines
- Channel_Limits

SOUNDING LEGEND

- LESS THAN PROJECT DEPTH
- PROJECT DEPTH
- PROJECT DEPTH +1'
- PROJECT DEPTH +2'
- PROJECT DEPTH +3'
- PROJECT DEPTH +4'
- PROJECT DEPTH +5'

1 inch = 50 feet

Feet

0 50 100 150 200 250

NOTES:

1. THE SOUNDINGS INDICATED HEREIN ARE GENERALIZED DEPTHS AND ARE NOT REPRESENTATIVE OF THE FULL DATASET.

2. ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). BURT LAKE LOW WATER DATUM (LWD) ZERO IS 593.8 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. MULLETT LAKE LWD ZERO IS 592.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. WATER LEVEL READINGS ARE FROM RTK GPS COLLECTED THROUGHOUT THE RIVER. DEPTHS ARE MEASURED USING AN ODOM ECHOTRAC E20 SINGLEBEAM ECHOSOUNDER.

3. HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM (RTK). CORRECTIONS ARE PROVIDED BY THE MICHIGAN CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS). THE CLOSEST BASE STATION IS USED AS THE DETERMINING FACTOR IN CORRECTION SELECTION. THE GPS RECIEVER IS A TRIMBLE MPS865.

4. HORIZONTAL POSITIONING IS DETERMINED BY APPLANIX POS MV4 W/VRS-RTK OR MARINESTAR G2+.

5. THE GRID SHOWN REFERENCES LATITUDE/LONGITUDE DISPLAYED AS DEGREES, MINUTE, SECONDS IN 10 SECOND INCREMENTS. THE SURVEY DATA REPRESENTED HEREIN IS PROJECTED TO THE MICHIGAN STATE PLANE, CENTRAL ZONE (2112), NORTH AMERICAN DATUM 1983 (NAD83), US SURVEY FOOT.

6. UNLESS OTHERWISE NOTED PROJECT DEPTHS ARE 5.0 FEET BELOW LWD

IMAGERY SOURCED FROM: MAXAR, MICROSOFT

US Army Corps of Engineers
District: CELRE

DISCLAIMER
Access Constraints: The United States Government furnishes these data and information on an "as is" basis. The recipient's understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, reliability, or suitability of these data and information or of any of the information and the data furnished. The United States shall be under no liability whatsoever to any person by reason of any use made thereof. These data belong to the Government. Therefore the recipient fully agrees not to represent these data to anyone as other than data received from the Government. The recipient shall not transfer these data to others without also transferring this Disclaimer.

Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers mission and is applicable only under those conditions. As such, it is only valid for its intended use, content, time and accuracy considerations. The US Government shall not be liable for any misuse or misrepresentation of the data for other than its intended purpose, or of any of the application of the data for other than its intended purpose.

U.S. ARMY CORRPS OF ENGINEERS
DETROIT DISTRICT

Surveyed By:	Plotted By:	Checked By:
Submitted:	Recommended: Chief, Survey Section	Approved: Chief, Technical Services

Inland Route, MI
Indian River
IR_01_IND_20260805_CS
05 August 2026

Sheet Reference Number
5 of 16

Revision Number:
5.26.04.06-5.26.04.06

84°35'30" W 45°26'10" N

84°35'30" W

84°35'20" W

84°35'20" W 45°26'10" N

PROJECT DEPTH = 5.0'

PROJECT DEPTH = 5.0'

Microsoft, Vantor

SHEET INDEX

N

0 1 2 Miles

VICINITY MAP

MINNESOTA
MICHIGAN
WISCONSIN
MICHIGAN
ILLINOIS
INDIANA
OHIO

100 0 100 Miles

LEGEND

- Cable Submarine
- Cable Overhead
- Beacon, General
- Placement Areas
- Contour Lines
- Channel_Limits

SOUNDING LEGEND

- LESS THAN PROJECT DEPTH
- PROJECT DEPTH
- PROJECT DEPTH +1'
- PROJECT DEPTH +2'
- PROJECT DEPTH +3'
- PROJECT DEPTH +4'
- PROJECT DEPTH +5'

N W E S

1 inch = 50 feet

Feet

0 50 100 150 200 250

NOTES: 1.THE SOUNDINGS INDICATED HEREIN ARE GENERALIZED DEPTHS AND ARE NOT REPRESENTATIVE OF THE FULL DATASET.

2. ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). BURT LAKE LOW WATER DATUM (LWD) ZERO IS 593.8 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. MULLETT LAKE LWD ZERO IS 592.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. WATER LEVEL READINGS ARE FROM RTK GPS COLLECTED THROUGHOUT THE RIVER. DEPTHS ARE MEASURED USING AN ODOM ECHOTRAC E20 SINGLEBEAM ECHOSOUNDER.

3. HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM (RTK). CORRECTIONS ARE PROVIDED BY THE MICHIGAN CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS). THE CLOSEST BASE STATION IS USED AS THE DETERMINING FACTOR IN CORRECTION SELECTION. THE GPS RECIEVER IS A TRIMBLE MPS865.

4. HORIZONTAL POSITIONING IS DETERMINED BY APPLANIX POS MV4 W/VRS-RTK OR MARINESTAR G2+.

5. THE GRID SHOWN REFERENCES LATITUDE/LONGITUDE DISPLAYED AS DEGREES, MINUTE, SECONDS IN 10 SECOND INCREMENTS. THE SURVEY DATA REPRESENTED HEREIN IS PROJECTED TO THE MICHIGAN STATE PLANE, CENTRAL ZONE (2112), NORTH AMERICAN DATUM 1983 (NAD83), US SURVEY FOOT.

6. UNLESS OTHERWISE NOTED PROJECT DEPTHS ARE 5.0 FEET BELOW LWD

IMAGERY SOURCED FROM: MAXAR, MICROSOFT

US Army Corps of Engineers
District: CELRE

Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers purpose and is valid only under stated conditions. As such, it is only valid for its intended use, content, time and extent as indicated by the originator. Any use, reuse, or misuse of any of the application of the data for other than its intended purpose.

DISCLAIMER
Access Constraints: The United States Government furnishes these data and information on an "as is" basis. The recipient understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, reliability, or suitability of these data and information or of any of the information and the data furnished. The United States shall be under no liability whatsoever to any person by reason of any use made thereof. These data belong to the Government. Therefore the recipient fully agrees not to represent these data to anyone as other than Government data. The recipient shall not transfer these data to others without also transferring this Disclaimer.

U.S. ARMY CORPRS OF ENGINEERS
DETROIT DISTRICT

Surveyed By:	Plotted By:	Checked By:
Submitted:	Recommended: Chief, Survey Section	Approved: Chief, Technical Services

Inland Route, MI
Indian River
IR_01_IND_20260805_CS
05 August 2026

Sheet Reference Number
6 of 16

Revision Number:
5.26.04.06-5.26.04.06

84°35'40" W 45°26'0" N

84°35'40" W

45°25'50" N

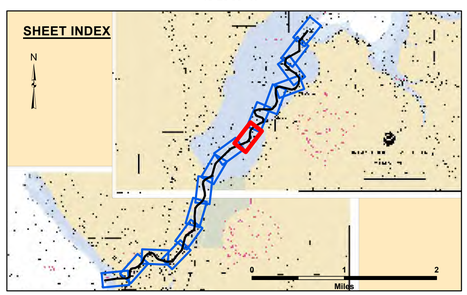
113+00 112+00 111+00 110+00 109+00 108+00 107+00 106+00 105+00 104+00 103+00 102+00 101+00 100+00 99+00 98+00

PROJECT DEPTH = 5.0'

Microsoft, Vantor

45°25'50" N 84°35'30" W 45°26'0" N

SHEET INDEX



VICINITY MAP



LEGEND

- Cable Submarine
- Cable Overhead
- Beacon, General
- Placement Areas
- Contour Lines
- Channel_Limits

SOUNDING LEGEND

- LESS THAN PROJECT DEPTH
- PROJECT DEPTH
- PROJECT DEPTH +1'
- PROJECT DEPTH +2'
- PROJECT DEPTH +3'
- PROJECT DEPTH +4'
- PROJECT DEPTH +5'

W N S E

1 inch = 50 feet

Feet 0 50 100 150 200 250

NOTES: 1.THE SOUNDINGS INDICATED HEREIN ARE GENERALIZED DEPTHS AND ARE NOT REPRESENTATIVE OF THE FULL DATASET.

2. ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). BURT LAKE LOW WATER DATUM (LWD) ZERO IS 593.8 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. MULLETT LAKE LWD ZERO IS 592.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. WATER LEVEL READINGS ARE FROM RTK GPS COLLECTED THROUGHOUT THE RIVER. DEPTHS ARE MEASURED USING AN ODOM ECHOTRAC E20 SINGLEBEAM ECHOSOUNDER.

3. HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM (RTK). CORRECTIONS ARE PROVIDED BY THE MICHIGAN CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS). THE CLOSEST BASE STATION IS USED AS THE DETERMINING FACTOR IN CORRECTION SELECTION. THE GPS RECIEVER IS A TRIMBLE MPS865.

4. HORIZONTAL POSITIONING IS DETERMINED BY APPLANIX POS MV4 W/VRS-RTK OR MARINESTAR G2+.

5. THE GRID SHOWN REFERENCES LATITUDE/LONGITUDE DISPLAYED AS DEGREES, MINUTE, SECONDS IN 10 SECOND INCREMENTS. THE SURVEY DATA REPRESENTED HEREIN IS PROJECTED TO THE MICHIGAN STATE PLANE, CENTRAL ZONE (2112), NORTH AMERICAN DATUM 1983 (NAD83), US SURVEY FOOT.

6. UNLESS OTHERWISE NOTED PROJECT DEPTHS ARE 5.0 FEET BELOW LWD

IMAGERY SOURCED FROM: MAXAR, MICROSOFT

US Army Corps of Engineers
District: CELRE

Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers project and reflects existing survey conditions. As such, it is only valid for its intended use, content, time and extent as indicated in the original project documents. Any use of any of the application of the data for other than its intended purpose.

DISCLAIMER
Access Constraints: The United States Government furnishes this data and information "as is" and makes no express or implied warranties concerning the accuracy, completeness, understanding that the US Government makes no warranties, reliability, usability, performance, merchantability or fitness for any particular purpose of the information and the data furnished. The United States shall be under no liability whatsoever to any person by reason of any use made thereof. These data belong to the Government. Therefore the recipient fully agrees not to represent these data to anyone as other than data furnished by the Government. The recipient shall forward these data to others without also transferring this Disclaimer.

U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

Surveyed By: ____
Plotted By: ____
Checked By: ____

Submitted: ____
Recommended: Chief, Survey Section
Approved: Chief, Technical Services

Inland Route, MI
Indian River
IR_01_IND_20260805_CS
05 August 2026

Sheet Reference Number
7 of 16

Revision Number:
5.26.04.06-5.26.04.06

45°25'50" N

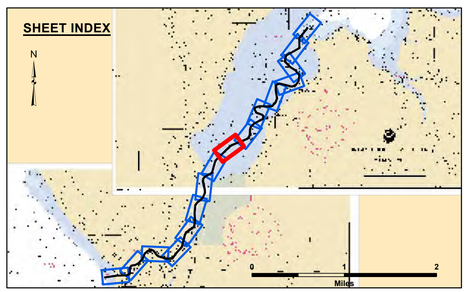
84°35'50" W

84°35'40" W

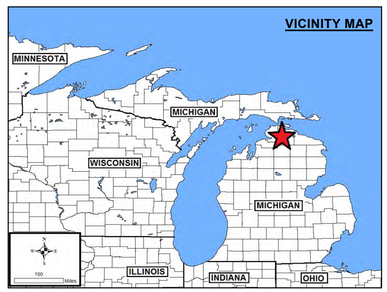


84°35'50" W 84°35'40" W 45°25'50" N

SHEET INDEX



VICINITY MAP



LEGEND

- Cable Submarine
- Cable Overhead
- Beacon, General
- Placement Areas
- Contour Lines
- Channel_Limits

SOUNDING LEGEND

- LESS THAN PROJECT DEPTH
- PROJECT DEPTH
- PROJECT DEPTH +1'
- PROJECT DEPTH +2'
- PROJECT DEPTH +3'
- PROJECT DEPTH +4'
- PROJECT DEPTH +5'

1 inch = 50 feet

Feet

0 50 100 150 200 250

NOTES:

1.THE SOUNDINGS INDICATED HEREIN ARE GENERALIZED DEPTHS AND ARE NOT REPRESENTATIVE OF THE FULL DATASET.

2. ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). BURT LAKE LOW WATER DATUM (LWD) ZERO IS 593.8 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. MULLETT LAKE LWD ZERO IS 592.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. WATER LEVEL READINGS ARE FROM RTK GPS COLLECTED THROUGHOUT THE RIVER. DEPTHS ARE MEASURED USING AN ODOM ECHOTRAC E20 SINGLEBEAM ECHOSOUNDER.

3. HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM (RTK). CORRECTIONS ARE PROVIDED BY THE MICHIGAN CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS). THE CLOSEST BASE STATION IS USED AS THE DETERMINING FACTOR IN CORRECTION SELECTION. THE GPS RECIEVER IS A TRIMBLE MPS865.

4. HORIZONTAL POSITIONING IS DETERMINED BY APPLANIX POS MV4 W/VRS-RTK OR MARINESTAR G2+.

5. THE GRID SHOWN REFERENCES LATITUDE/LONGITUDE DISPLAYED AS DEGREES, MINUTE, SECONDS IN 10 SECOND INCREMENTS. THE SURVEY DATA REPRESENTED HEREIN IS PROJECTED TO THE MICHIGAN STATE PLANE, CENTRAL ZONE (2112), NORTH AMERICAN DATUM 1983 (NAD83), US SURVEY FOOT.

6. UNLESS OTHERWISE NOTED PROJECT DEPTHS ARE 5.0 FEET BELOW LWD

IMAGERY SOURCED FROM: MAXAR, MICROSOFT

US Army Corps of Engineers
District: CELRE

DISCLAIMER
Access Constraints: The United States Government furnishes this map/chart/publication "as is" and makes no express or implied warranty of any kind regarding its fitness for any purpose. By understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, reliability, or suitability of this product, of its merchantability or fitness for a particular purpose. The entire risk as to the quality and performance of the information and the data furnished. The United States shall be under no liability for any special, consequential, or incidental damages made thereof. These data belong to the Government. Therefore the recipient fully agrees not to represent these data to anyone as other than government data in any commercial media. Those who make these data to others without also transferring this Disclaimer.

Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers project and reflects project and survey conditions. As such, it is only valid for its intended use, content, time and extent as indicated by the originator. The data is not to be used for navigation or any other purpose. The originator disclaims liability of any of the application of the data for other than its intended purpose.

U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

Surveyed By: ____
Plotted By: ____
Checked By: ____
Submitted: ____
Recommended: Chief, Survey Section
Approved: Chief, Technical Services

Inland Route, MI
Indian River
IR_01_IND_20260805_CS
05 August 2026

Sheet Reference Number
8 of 16

Revision Number:
5.26.04.06-5.26.04.06

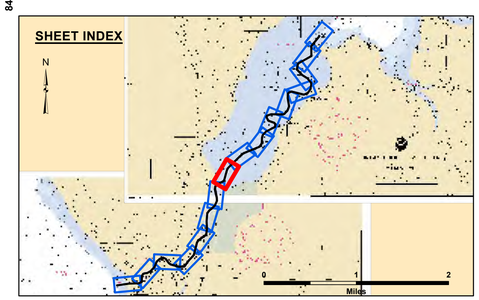
45°25'40" N

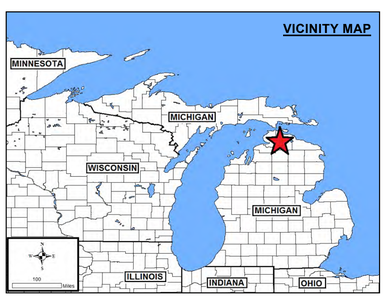
84°36'0" W

84°35'50" W

PROJECT DEPTH = 5.0'

Microsoft, Vantor





LEGEND

- Cable Submarine
- Cable Overhead
- Beacon, General
- Placement Areas
- Contour Lines
- Channel_Limits

SOUNDING LEGEND

- LESS THAN PROJECT DEPTH
- PROJECT DEPTH
- PROJECT DEPTH +1'
- PROJECT DEPTH +2'
- PROJECT DEPTH +3'
- PROJECT DEPTH +4'
- PROJECT DEPTH +5'

1 inch = 50 feet

Feet

0 50 100 150 200 250

NOTES: 1.THE SOUNDINGS INDICATED HEREIN ARE GENERALIZED DEPTHS AND ARE NOT REPRESENTATIVE OF THE FULL DATASET.

2. ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). BURT LAKE LOW WATER DATUM (LWD) ZERO IS 593.8 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. MULLETT LAKE LWD ZERO IS 592.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. WATER LEVEL READINGS ARE FROM RTK GPS COLLECTED THROUGHOUT THE RIVER. DEPTHS ARE MEASURED USING AN ODOM ECHOTRAC E20 SINGLEBEAM ECHOSOUNDER.

3. HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM (RTK). CORRECTIONS ARE PROVIDED BY THE MICHIGAN CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS). THE CLOSEST BASE STATION IS USED AS THE DETERMINING FACTOR IN CORRECTION SELECTION. THE GPS RECIEVER IS A TRIMBLE MPS865.

4. HORIZONTAL POSITIONING IS DETERMINED BY APPLANIX POS MV4 W/VRS-RTK OR MARINESTAR G2+.

5. THE GRID SHOWN REFERENCES LATITUDE/LONGITUDE DISPLAYED AS DEGREES, MINUTE, SECONDS IN 10 SECOND INCREMENTS. THE SURVEY DATA REPRESENTED HEREIN IS PROJECTED TO THE MICHIGAN STATE PLANE, CENTRAL ZONE (2112), NORTH AMERICAN DATUM 1983 (NAD83), US SURVEY FOOT.

6. UNLESS OTHERWISE NOTED PROJECT DEPTHS ARE 5.0 FEET BELOW LWD

IMAGERY SOURCED FROM: MAXAR, MICROSOFT

US Army Corps of Engineers
District: CELRE

Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers project and is valid only for the stated conditions. As such, it is only valid for its intended use, content, time and environment. Application of the data for other purposes may result in erroneous interpretation and design conclusions. The US Government accepts no liability for the content and/or use of any of the application of the data for other than its intended purpose.

DISCLAIMER
Access Constraints: The United States Government furnishes this map and data "as is" and makes no warranties, expressed, or implied concerning the accuracy, completeness, understanding that the US Government makes no warranties, information and the data furnished. The United States shall be reliability, suitability, merchantability, and fitness for a particular purpose of the information and data furnished. The user assumes the entire risk related to its use of these data. The US Government is not liable for any damages resulting from the use of these data. The recipient fully agrees not to represent these data to anyone as other than Government-furnished data. The recipient shall not transfer these data to others without also transferring this Disclaimer.

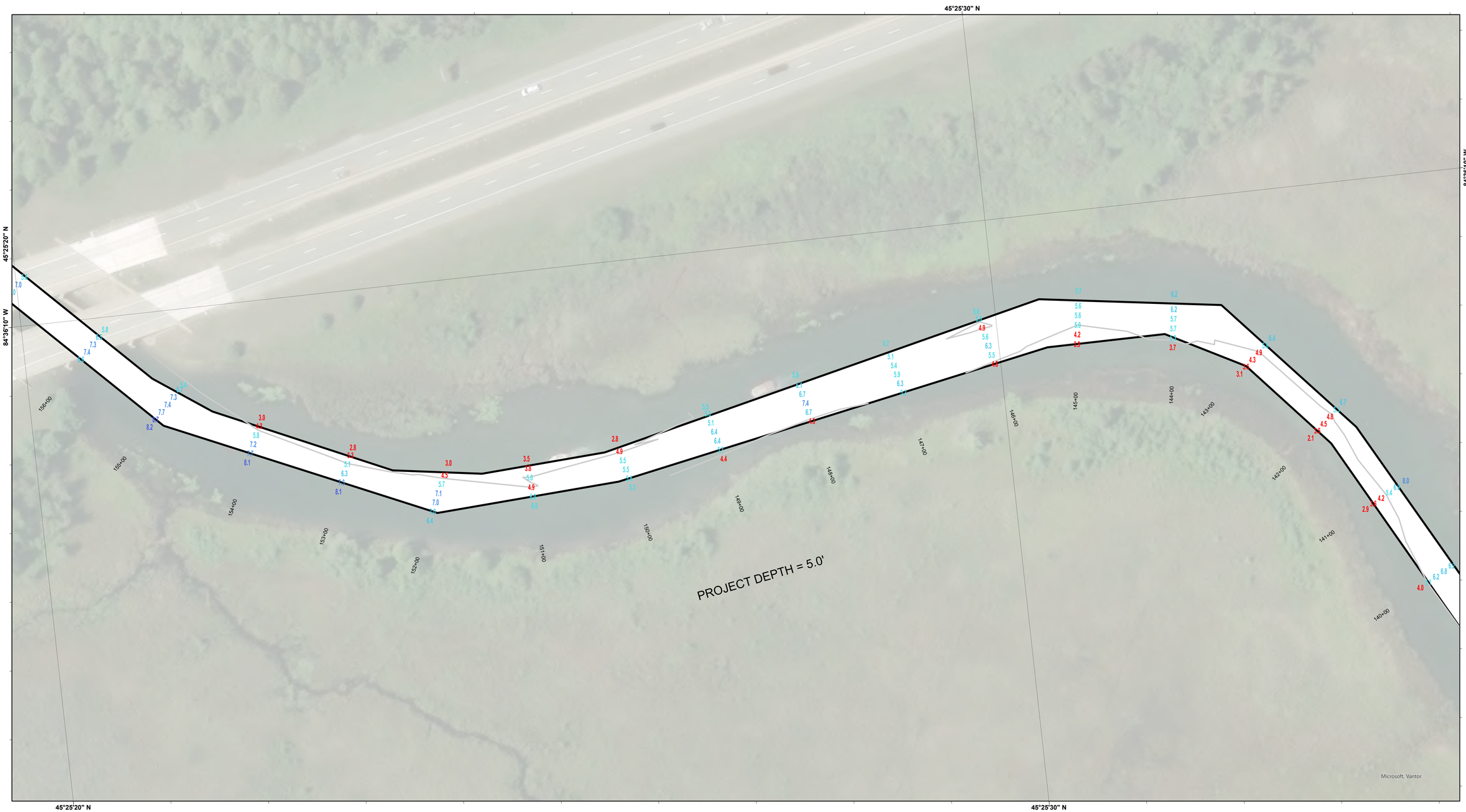
U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

Surveyed By:	Plotted By:	Checked By:
Submitted:	Recommended: Chief, Survey Section	Approved: Chief, Technical Services

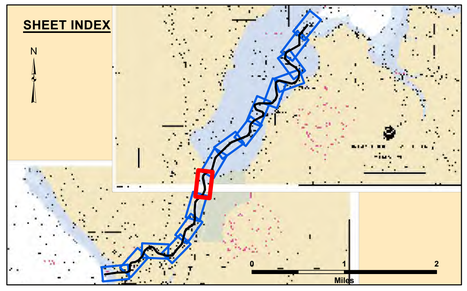
Inland Route, MI
Indian River
IR_01_IND_20260805_CS
05 August 2026

Sheet Reference Number
9 of 16

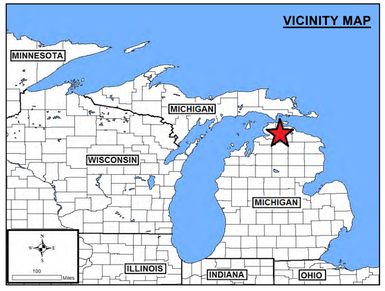
Revision Number:
5.26.04.06-5.26.04.06



SHEET INDEX



VICINITY MAP



LEGEND

- Cable Submarine
- Cable Overhead
- Beacon, General
- Placement Areas
- Contour Lines
- Channel_Limits

SOUNDING LEGEND

- LESS THAN PROJECT DEPTH
- PROJECT DEPTH
- PROJECT DEPTH +1'
- PROJECT DEPTH +2'
- PROJECT DEPTH +3'
- PROJECT DEPTH +4'
- PROJECT DEPTH +5'

1 inch = 50 feet

Feet
0 50 100 150 200 250

NOTES:

1.THE SOUNDINGS INDICATED HEREIN ARE GENERALIZED DEPTHS AND ARE NOT REPRESENTATIVE OF THE FULL DATASET.

2. ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). BURT LAKE LOW WATER DATUM (LWD) ZERO IS 593.8 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. MULLETT LAKE LWD ZERO IS 592.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. WATER LEVEL READINGS ARE FROM RTK GPS COLLECTED THROUGHOUT THE RIVER. DEPTHS ARE MEASURED USING AN ODOM ECHOTRAC E20 SINGLEBEAM ECHOSOUNDER.

3. HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM (RTK). CORRECTIONS ARE PROVIDED BY THE MICHIGAN CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS). THE CLOSEST BASE STATION IS USED AS THE DETERMINING FACTOR IN CORRECTION SELECTION. THE GPS RECIEVER IS A TRIMBLE MPS865.

4. HORIZONTAL POSITIONING IS DETERMINED BY APPLANIX POS MV4 W/VRS-RTK OR MARINESTAR G2+.

5. THE GRID SHOWN REFERENCES LATITUDE/LONGITUDE DISPLAYED AS DEGREES, MINUTE, SECONDS IN 10 SECOND INCREMENTS. THE SURVEY DATA REPRESENTED HEREIN IS PROJECTED TO THE MICHIGAN STATE PLANE, CENTRAL ZONE (2112), NORTH AMERICAN DATUM 1983 (NAD83), US SURVEY FOOT.

6. UNLESS OTHERWISE NOTED PROJECT DEPTHS ARE 5.0 FEET BELOW LWD

IMAGERY SOURCED FROM: MAXAR, MICROSOFT

US Army Corps of Engineers
District: CELRE

DISCLAIMER
Access Constraints: The United States Government furnishes these data and information on an "as is" basis. The recipient's understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, reliability, or suitability of these data and information. Neither the information and the data furnished. The United States shall be under no liability whatsoever to any person by reason of any use made thereof. These data belong to the Government. Therefore the recipient fully agrees not to represent these data to anyone as other than Government data. The recipient shall not transfer these data to others without also transferring this Disclaimer.

Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers mission and project and under specific conditions. As such, it is only valid for its intended use, content, time and conditions at which it was collected and processed. It is not suitable for any other application. The Government assumes no liability for the use of any of the application of the data for other than its intended purpose.

U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

Surveyed By:	Plotted By:	Checked By:
Submitted	Recommended: Chief, Survey Section	Approved: Chief, Technical Services

Inland Route, MI
Indian River
IR_01_IND_20260805_CS
05 August 2026

Sheet Reference Number
10 of 16

Revision Number:
5.26.04.06-5.26.04.06

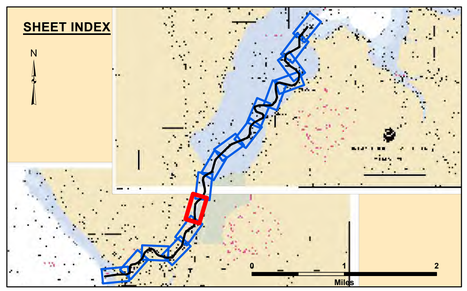
45°25'10" N
84°36'20" W
45°25'20" N
84°36'10" W

PROJECT DEPTH = 5.0'

Microsoft, Vantor

84°36'10" W 45°25'10" N 45°25'20" N

SHEET INDEX



VICINITY MAP



LEGEND

- Cable Submarine
- Cable Overhead
- Beacon, General
- Placement Areas
- Contour Lines
- Channel_Limits

SOUNDING LEGEND

- LESS THAN PROJECT DEPTH
- PROJECT DEPTH
- PROJECT DEPTH +1'
- PROJECT DEPTH +2'
- PROJECT DEPTH +3'
- PROJECT DEPTH +4'
- PROJECT DEPTH +5'

1 inch = 50 feet

Feet
0 50 100 150 200 250

NOTES:

1.THE SOUNDINGS INDICATED HEREIN ARE GENERALIZED DEPTHS AND ARE NOT REPRESENTATIVE OF THE FULL DATASET.

2. ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). BURT LAKE LOW WATER DATUM (LWD) ZERO IS 593.8 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. MULLETT LAKE LWD ZERO IS 592.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. WATER LEVEL READINGS ARE FROM RTK GPS COLLECTED THROUGHOUT THE RIVER. DEPTHS ARE MEASURED USING AN ODOM ECHOTRAC E20 SINGLEBEAM ECHOSOUNDER.

3. HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM (RTK). CORRECTIONS ARE PROVIDED BY THE MICHIGAN CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS). THE CLOSEST BASE STATION IS USED AS THE DETERMINING FACTOR IN CORRECTION SELECTION. THE GPS RECIEVER IS A TRIMBLE MPS865.

4. HORIZONTAL POSITIONING IS DETERMINED BY APPLANIX POS MV4 W/VRS-RTK OR MARINESTAR G2+.

5. THE GRID SHOWN REFERENCES LATITUDE/LONGITUDE DISPLAYED AS DEGREES, MINUTE, SECONDS IN 10 SECOND INCREMENTS. THE SURVEY DATA REPRESENTED HEREIN IS PROJECTED TO THE MICHIGAN STATE PLANE, CENTRAL ZONE (2112), NORTH AMERICAN DATUM 1983 (NAD83), US SURVEY FOOT.

6. UNLESS OTHERWISE NOTED PROJECT DEPTHS ARE 5.0 FEET BELOW LWD

IMAGERY SOURCED FROM: MAXAR, MICROSOFT

US Army Corps of Engineers
District: CELRE

DISCLAIMER
Access Constraints: The United States Government furnishes these data and information on an "as is" basis. The recipient understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, reliability, or suitability of these data and information. The recipient shall not use these data and information in any manner that would imply that the US Government endorses any product made thereof. These data belong to the Government. Therefore the recipient fully agrees not to represent these data to anyone as other than US Government data. The recipient agrees to transfer these data to others without also transferring this Disclaimer.

Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers project and is valid only for the stated purpose(s) and conditions. As such, it is only valid for its intended use, content, time and environmental conditions at the time of collection. The data is not to be used for any other purpose than its intended purpose. The US Government shall not be held liable for improper or incorrect use of the data described and/or contained herein nor for any liability incurred as the result of any of the application of the data for other than its intended purpose.

U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

Surveyed By: ____
Plotted By: ____
Checked By: ____

Submitted: ____
Recommended: Chief, Survey Section
Approved: Chief, Technical Services

Inland Route, MI
Indian River
IR_01_IND_20260805_CS
05 August 2026

Sheet Reference Number
11 of 16

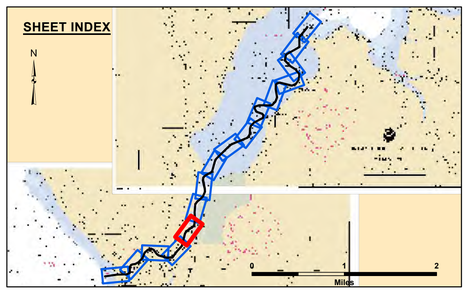
Revision Number:
5.26.04.06-5.26.04.06

84°36'30" W 45°25'0" N 84°36'20" W 45°25'10" N



84°36'20" W 45°25'0" N 84°36'10" W

SHEET INDEX



VICINITY MAP



LEGEND

- Cable Submarine
- Cable Overhead
- Beacon, General
- Placement Areas
- Contour Lines
- Channel_Limits

SOUNDING LEGEND

- LESS THAN PROJECT DEPTH
- PROJECT DEPTH
- PROJECT DEPTH +1'
- PROJECT DEPTH +2'
- PROJECT DEPTH +3'
- PROJECT DEPTH +4'
- PROJECT DEPTH +5'

N W E S

1 inch = 50 feet

Feet

0 50 100 150 200 250

NOTES:

1.THE SOUNDINGS INDICATED HEREIN ARE GENERALIZED DEPTHS AND ARE NOT REPRESENTATIVE OF THE FULL DATASET.

2. ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). BURT LAKE LOW WATER DATUM (LWD) ZERO IS 593.8 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. MULLETT LAKE LWD ZERO IS 592.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. WATER LEVEL READINGS ARE FROM RTK GPS COLLECTED THROUGHOUT THE RIVER. DEPTHS ARE MEASURED USING AN ODOM ECHOTRAC E20 SINGLEBEAM ECHOSOUNDER.

3. HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM (RTK). CORRECTIONS ARE PROVIDED BY THE MICHIGAN CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS). THE CLOSEST BASE STATION IS USED AS THE DETERMINING FACTOR IN CORRECTION SELECTION. THE GPS RECIEVER IS A TRIMBLE MPS865.

4. HORIZONTAL POSITIONING IS DETERMINED BY APPLANIX POS MV4 W/VRS-RTK OR MARINESTAR G2+.

5. THE GRID SHOWN REFERENCES LATITUDE/LONGITUDE DISPLAYED AS DEGREES, MINUTE, SECONDS IN 10 SECOND INCREMENTS. THE SURVEY DATA REPRESENTED HEREIN IS PROJECTED TO THE MICHIGAN STATE PLANE, CENTRAL ZONE (2112), NORTH AMERICAN DATUM 1983 (NAD83), US SURVEY FOOT.

6. UNLESS OTHERWISE NOTED PROJECT DEPTHS ARE 5.0 FEET BELOW LWD

IMAGERY SOURCED FROM: MAXAR, MICROSOFT

US Army Corps of Engineers
District: CELRE

DISCLAIMER
Access Constraints: The United States Government furnishes this data and information without warranty of any kind, express or implied, and assumes no responsibility for the accuracy, completeness, understanding that the US Government makes no warranties, timeliness, or usefulness of the information and the data furnished. The United States shall be under no liability whatsoever to any person by reason of any use made thereof. These data belong to the Government. Therefore the recipient fully agrees not to represent these data to anyone as other than Government data and to indemnify the Government from any and all claims arising from the transferring these data to others without also transferring this Disclaimer.

Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers mission project and is valid only under those conditions. As such, it is only valid for its intended use, content, time and accuracy. Any use or modification of the data for other purposes or any of the application of the data for other than its intended purpose.

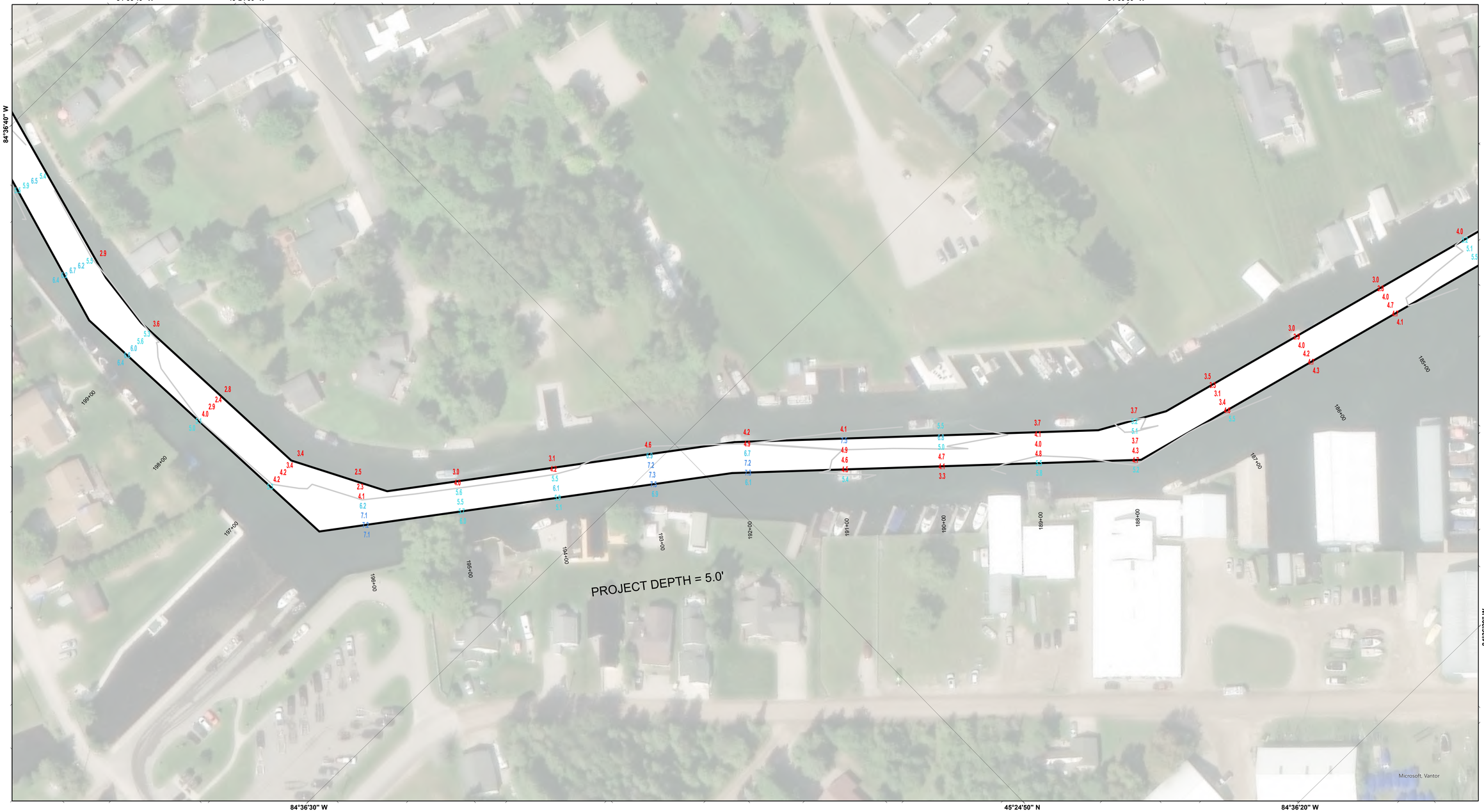
U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

Surveyed By:	____
Plotted By:	____
Checked By:	____
Submitted:	____
Recommended: Chief, Survey Section	____
Approved: Chief, Technical Services	____

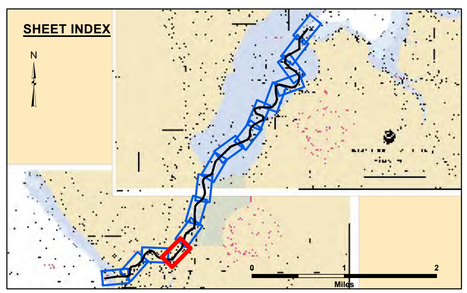
Inland Route, MI
Indian River
IR_01_IND_20260805_CS
05 August 2026

Sheet Reference Number
12 of 16

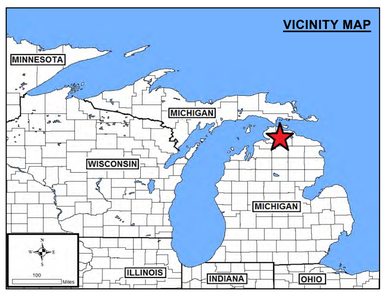
Revision Number:
5.26.04.06-5.26.04.06



SHEET INDEX



VICINITY MAP



LEGEND

- Cable Submarine
- Cable Overhead
- Beacon, General
- Placement Areas
- Contour Lines
- Channel_Limits

SOUNDING LEGEND

- LESS THAN PROJECT DEPTH
- PROJECT DEPTH
- PROJECT DEPTH +1'
- PROJECT DEPTH +2'
- PROJECT DEPTH +3'
- PROJECT DEPTH +4'
- PROJECT DEPTH +5'

1 inch = 50 feet

Feet

0 50 100 150 200 250

NOTES: 1.THE SOUNDINGS INDICATED HEREIN ARE GENERALIZED DEPTHS AND ARE NOT REPRESENTATIVE OF THE FULL DATASET.

2. ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). BURT LAKE LOW WATER DATUM (LWD) ZERO IS 593.8 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. MULLETT LAKE LWD ZERO IS 592.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. WATER LEVEL READINGS ARE FROM RTK GPS COLLECTED THROUGHOUT THE RIVER. DEPTHS ARE MEASURED USING AN ODOM ECHOTRAC E20 SINGLEBEAM ECHOSOUNDER.

3. HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM (RTK). CORRECTIONS ARE PROVIDED BY THE MICHIGAN CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS). THE CLOSEST BASE STATION IS USED AS THE DETERMINING FACTOR IN CORRECTION SELECTION. THE GPS RECIEVER IS A TRIMBLE MPS865.

4. HORIZONTAL POSITIONING IS DETERMINED BY APPLANIX POS MV4 W/VRS-RTK OR MARINESTAR G2+.

5. THE GRID SHOWN REFERENCES LATITUDE/LONGITUDE DISPLAYED AS DEGREES, MINUTE, SECONDS IN 10 SECOND INCREMENTS. THE SURVEY DATA REPRESENTED HEREIN IS PROJECTED TO THE MICHIGAN STATE PLANE, CENTRAL ZONE (2112), NORTH AMERICAN DATUM 1983 (NAD83), US SURVEY FOOT.

6. UNLESS OTHERWISE NOTED PROJECT DEPTHS ARE 5.0 FEET BELOW LWD

IMAGERY SOURCED FROM: MAXAR, MICROSOFT

US Army Corps of Engineers
District: CELRE

DISCLAIMER
Access Constraints: The United States Government furnishes this map and data without warranty of any kind, express or implied, and makes no warranties, expressed, or implied concerning the accuracy, completeness, reliability, or suitability of information for any particular purpose. The information and the data furnished. The United States shall be under no liability for any deficiencies, inaccuracies or errors contained in the data furnished. Title to the data furnished by the Government and the ownership of the intellectual property rights thereto remain the property of the United States Government. The recipient fully agrees not to represent these data to anyone as other than data furnished by the Government. The recipient shall not transfer these data to others without also transferring this Disclaimer.

Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers project and is valid only under those conditions. As such, it is only valid for its intended use, content, time and extent as indicated by the originator. Use or interpretation of data for other than its intended purpose, or of any of the application of the data for other than its intended purpose.

U.S. ARMY CORPPS OF ENGINEERS
DETROIT DISTRICT

Surveyed By:	
Plotted By:	
Checked By:	
Submitted:	
Recommended: Chief, Survey Section	
Approved: Chief, Technical Services	

Inland Route, MI
Indian River
IR_01_IND_20260805_CS
05 August 2026

Sheet Reference Number
13 of 16

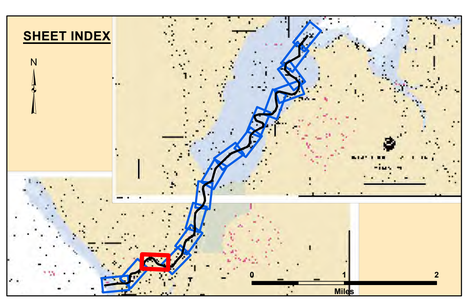
Revision Number:
5.26.04.06-5.26.04.06

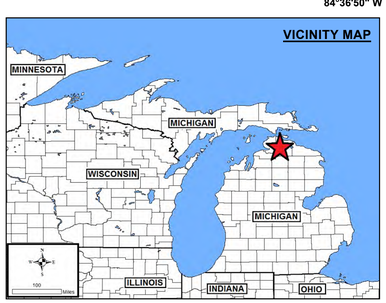
84°36'50" W 84°36'40" W

45°24'50" N

PROJECT DEPTH = 5.0'

Microsoft, Vantor





LEGEND

- Cable Submarine
- Cable Overhead
- Beacon, General
- Placement Areas
- Contour Lines
- Channel_Limits

SOUNDING LEGEND

- LESS THAN PROJECT DEPTH
- PROJECT DEPTH
- PROJECT DEPTH +1'
- PROJECT DEPTH +2'
- PROJECT DEPTH +3'
- PROJECT DEPTH +4'
- PROJECT DEPTH +5'

N W E S

1 inch = 50 feet

Feet 0 50 100 150 200 250

NOTES:

1. THE SOUNDINGS INDICATED HEREIN ARE GENERALIZED DEPTHS AND ARE NOT REPRESENTATIVE OF THE FULL DATASET.

2. ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). BURT LAKE LOW WATER DATUM (LWD) ZERO IS 593.8 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. MULLETT LAKE LWD ZERO IS 592.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. WATER LEVEL READINGS ARE FROM RTK GPS COLLECTED THROUGHOUT THE RIVER. DEPTHS ARE MEASURED USING AN ODOM ECHOTRAC E20 SINGLEBEAM ECHOSOUNDER.

3. HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM (RTK). CORRECTIONS ARE PROVIDED BY THE MICHIGAN CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS). THE CLOSEST BASE STATION IS USED AS THE DETERMINING FACTOR IN CORRECTION SELECTION. THE GPS RECIEVER IS A TRIMBLE MPS865.

4. HORIZONTAL POSITIONING IS DETERMINED BY APPLANIX POS MV4 W/VRS-RTK OR MARINESTAR G2+.

5. THE GRID SHOWN REFERENCES LATITUDE/LONGITUDE DISPLAYED AS DEGREES, MINUTE, SECONDS IN 10 SECOND INCREMENTS. THE SURVEY DATA REPRESENTED HEREIN IS PROJECTED TO THE MICHIGAN STATE PLANE, CENTRAL ZONE (2112), NORTH AMERICAN DATUM 1983 (NAD83), US SURVEY FOOT.

6. UNLESS OTHERWISE NOTED PROJECT DEPTHS ARE 5.0 FEET BELOW LWD

IMAGERY SOURCED FROM: MAXAR, MICROSOFT

US Army Corps of Engineers
District: CELRE

DISCLAIMER
Access Constraints: The United States Government furnishes this data without warranty, either expressed or implied. It is understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, reliability, or suitability of this data for any purpose. The use of the information and the data furnished. The United States shall be under no liability whatsoever to any person by reason of any use made thereof. These data belong to the Government. Therefore the recipient fully agrees not to represent these data to anyone as other than data received from the Government. The recipient shall not transfer these data to others without also transferring this Disclaimer.

Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers project and is valid only for the stated conditions. As such, it is only valid for its intended use, content, time and conditions at which it was collected. The US Government is not liable for any of the application of the data for other than its intended purpose.

U.S. ARMY COPRPS OF ENGINEERS
DETROIT DISTRICT

Surveyed By: ____
Plotted By: ____
Checked By: ____

Submitted: ____
Recommended: Chief, Survey Section
Approved: Chief, Technical Services

Inland Route, MI
Indian River
IR_01_IND_20260805_CS
05 August 2026

Sheet Reference Number
14 of 16

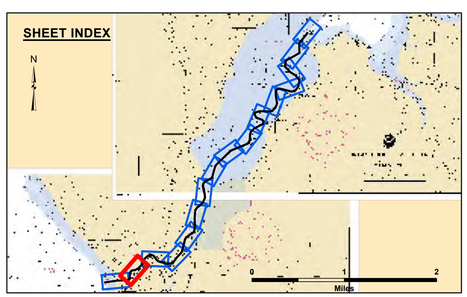
Revision Number:
5.26.04.06-5.26.04.06

45°24'40" N
84°37'10" W
45°24'50" N
84°37'0" W

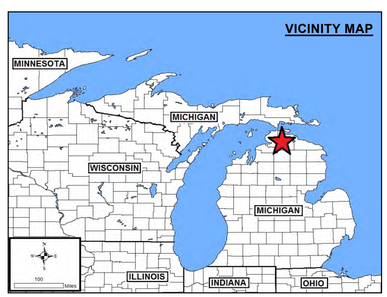
PROJECT DEPTH = 5.0'

Microsoft, Vantor

SHEET INDEX



VICINITY MAP



LEGEND

- Cable Submarine
- Cable Overhead
- Beacon, General
- Placement Areas
- Contour Lines
- Channel_Limits

SOUNDING LEGEND

- LESS THAN PROJECT DEPTH
- PROJECT DEPTH
- PROJECT DEPTH +1'
- PROJECT DEPTH +2'
- PROJECT DEPTH +3'
- PROJECT DEPTH +4'
- PROJECT DEPTH +5'

1 inch = 50 feet

Feet
0 50 100 150 200 250

NOTES:

1. THE SOUNDINGS INDICATED HEREIN ARE GENERALIZED DEPTHS AND ARE NOT REPRESENTATIVE OF THE FULL DATASET.

2. ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). BURT LAKE LOW WATER DATUM (LWD) ZERO IS 593.8 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. MULLETT LAKE LWD ZERO IS 592.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. WATER LEVEL READINGS ARE FROM RTK GPS COLLECTED THROUGHOUT THE RIVER. DEPTHS ARE MEASURED USING AN ODOM ECHOTRAC E20 SINGLEBEAM ECHOSOUNDER.

3. HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM (RTK). CORRECTIONS ARE PROVIDED BY THE MICHIGAN CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS). THE CLOSEST BASE STATION IS USED AS THE DETERMINING FACTOR IN CORRECTION SELECTION. THE GPS RECIEVER IS A TRIMBLE MPS865.

4. HORIZONTAL POSITIONING IS DETERMINED BY APPLANIX POS MV4 W/VRS-RTK OR MARINESTAR G2+.

5. THE GRID SHOWN REFERENCES LATITUDE/LONGITUDE DISPLAYED AS DEGREES, MINUTE, SECONDS IN 10 SECOND INCREMENTS. THE SURVEY DATA REPRESENTED HEREIN IS PROJECTED TO THE MICHIGAN STATE PLANE, CENTRAL ZONE (2112), NORTH AMERICAN DATUM 1983 (NAD83), US SURVEY FOOT.

6. UNLESS OTHERWISE NOTED PROJECT DEPTHS ARE 5.0 FEET BELOW LWD

IMAGERY SOURCED FROM: MAXAR, MICROSOFT

US Army Corps of Engineers
District: CELRE

DISCLAIMER
Access Constraints: The United States Government furnishes this map and geographic data and related graphics as is and makes no warranties, expressed, or implied concerning the accuracy, completeness, reliability, or suitability of this information for any purpose. The risk as to the information and the data furnished. The United States shall be under no liability whatsoever to any person or entity for any damages made thereof. These data belong to the Government. Therefore the recipient fully agrees not to represent these data to anyone as other than Government data. The recipient shall not transfer the rights of these data to others without also transferring this Disclaimer.

Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers purpose, at a specific time, under specific conditions. As such, it is only valid for its intended use, content, time and conditions of collection/processing. The US Army Corps of Engineers assumes no liability for any misinterpretation or misuse of any of the application of the data for other than its intended purpose.

U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

	Surveyed By:	Plotted By:	Checked By:
Submitted:			
Recommended:	Chief, Survey Section		
Approved:	Chief, Technical Services		

Inland Route, MI
Indian River
IR_01_IND_20260805_CS
05 August 2026

Sheet Reference Number
15 of 16

Revision Number:
5.26.04.06-5.26.04.06

84°37'20" W 84°37'10" W

45°24'40" N

PROJECT DEPTH = 5.0'

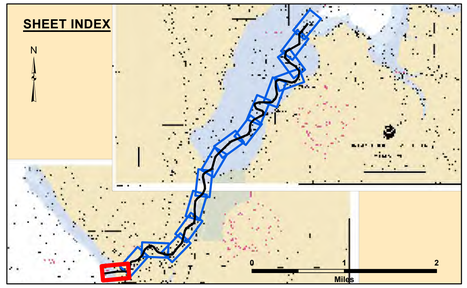
245+00 244+00 243+00 242+00 241+00 240+00 239+00 238+00 237+00 236+00 235+00 234+00 233+00 232+00

Microsoft, Vantor

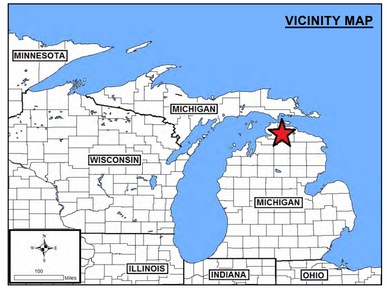
84°37'20" W 84°37'10" W

45°24'40" N

SHEET INDEX



VICINITY MAP



LEGEND

- Cable Submarine
- Cable Overhead
- Beacon, General
- Placement Areas
- Contour Lines
- Channel_Limits

SOUNDING LEGEND

- LESS THAN PROJECT DEPTH
- PROJECT DEPTH
- PROJECT DEPTH +1'
- PROJECT DEPTH +2'
- PROJECT DEPTH +3'
- PROJECT DEPTH +4'
- PROJECT DEPTH +5'

N W E S

1 inch = 50 feet

Feet

0 50 100 150 200 250

NOTES:

1.THE SOUNDINGS INDICATED HEREIN ARE GENERALIZED DEPTHS AND ARE NOT REPRESENTATIVE OF THE FULL DATASET.

2. ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). BURT LAKE LOW WATER DATUM (LWD) ZERO IS 593.8 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. MULLETT LAKE LWD ZERO IS 592.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI, QUEBEC. WATER LEVEL READINGS ARE FROM RTK GPS COLLECTED THROUGHOUT THE RIVER. DEPTHS ARE MEASURED USING AN ODOM ECHOTRAC E20 SINGLEBEAM ECHOSOUNDER.

3. HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC GLOBAL POSITIONING SYSTEM (RTK). CORRECTIONS ARE PROVIDED BY THE MICHIGAN CONTINUOUSLY OPERATING REFERENCE STATIONS (CORS). THE CLOSEST BASE STATION IS USED AS THE DETERMINING FACTOR IN CORRECTION SELECTION. THE GPS RECIEVER IS A TRIMBLE MPS865.

4. HORIZONTAL POSITIONING IS DETERMINED BY APPLANIX POS MV4 W/VRS-RTK OR MARINESTAR G2+.

5. THE GRID SHOWN REFERENCES LATITUDE/LONGITUDE DISPLAYED AS DEGREES, MINUTE, SECONDS IN 10 SECOND INCREMENTS. THE SURVEY DATA REPRESENTED HEREIN IS PROJECTED TO THE MICHIGAN STATE PLANE, CENTRAL ZONE (2112), NORTH AMERICAN DATUM 1983 (NAD83), US SURVEY FOOT.

6. UNLESS OTHERWISE NOTED PROJECT DEPTHS ARE 5.0 FEET BELOW LWD

IMAGERY SOURCED FROM: MAXAR, MICROSOFT

US Army Corps of Engineers
District: CELRE

DISCLAIMER
Access Constraints: The United States Government furnishes this map and geographic data and related graphics "as is" and on the understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, reliability, or suitability of this map and geographic data and related graphics for any particular purpose. The United States shall be under no liability for any deficiency, inaccuracy, or flaw in the information and the data furnished. The United States shall be under no liability for any deficiency in any interpretation of data made thereof. These data belong to the Government. Therefore the recipient fully agrees not to represent these data to anyone as other than data received from the Government. The recipient shall not transfer these data to others without also transferring this Disclaimer.

Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers mission and is compiled under certain conditions. As such, it is only valid for its intended use, content, time and accuracy as determined by the Government. The Government is not responsible for, and assumes no liability whatsoever for, any of the application of the data for other than its intended purpose.

U.S. ARMY COPRPS OF ENGINEERS
DETROIT DISTRICT

Surveyed By:	Plotted By:	Checked By:
Submitted:	Recommended: Chief, Survey Section	Approved: Chief, Technical Services

Inland Route, MI
Indian River
IR_01_IND_20260805_CS
05 August 2026

Sheet Reference Number
16 of 16

Revision Number:
5.26.04.06-5.26.04.06