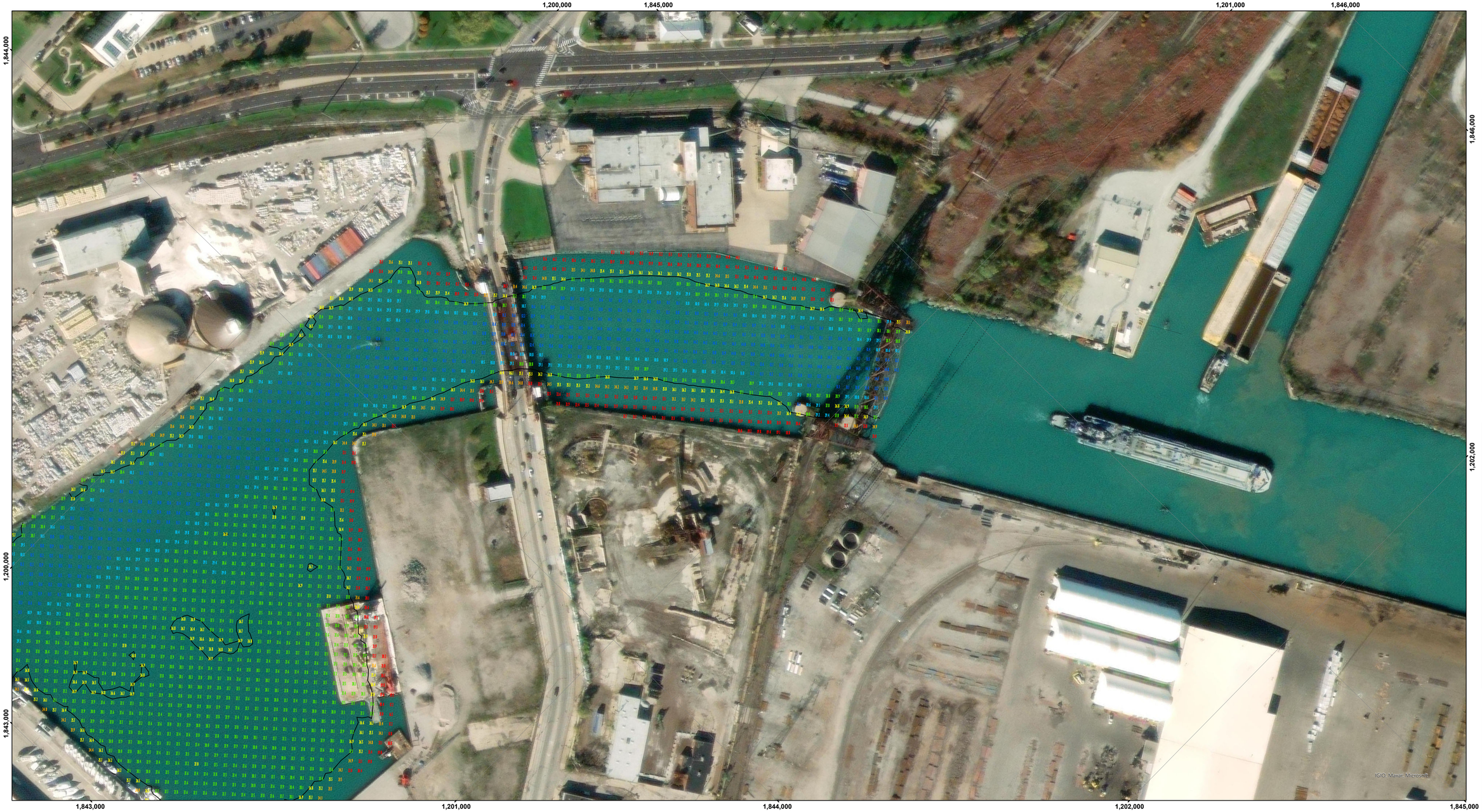
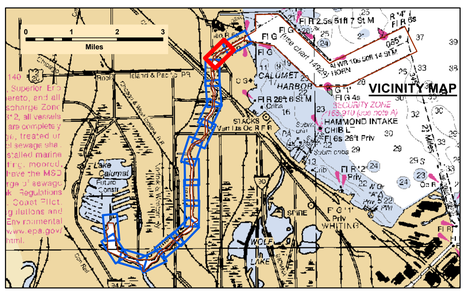




4+ Feet Above Authorized Channel Depth
2-4 Feet Above Authorized Channel Depth
0-2 Feet Above Authorized Channel Depth
0-2 Feet Below Authorized Channel Depth
2-4 Feet Below Authorized Channel Depth
4+ Feet Below Authorized Channel Depth

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

N W E S

1:1,200

NOTES:

THE SOUNDINGS INDICATED HEREON REPRESENT THE MINIMUM DEPTH SOUNDING THE 10 FOOT BY 10 FOOT AREA CENTERED AROUND THE TEXT. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SHOAL REMOVAL OPERATIONS AND NOTICES TO NAVIGATION INTERESTS.

ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). LOW WATER DATUM ZERO IS 577.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED GAUGE LOCATED AT WAUKEGAN HARBOR, ILLINOIS. DEPTHS ARE MEASURED USING AN RESON T-20 MULTIBEAM SONAR.

HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC (RTK). THE REAL TIME KINEMATIC BASE STATIONS CORRECTIONS ARE PROVIDED BY TRIMBLE VRS. DISTANCE FROM BASE STATION DETERMINES CORRECTION REFERENCE STATION. THE POSITIONING SYSTEM (GPS/IMU) IS MANUFACTURED BY APPLANIX MARINE POS/MV VER 4.0

GRID COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM,TRANSVERSE MERCATOR PROJECTION, ILLINOIS EAST (1302), NORTH AMERICAN DATUM 1983 (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET.

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON DATE SHOWN AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THE TIME.

US Army Corps of Engineers
District: CELRC

DISCLAIMER
Access Constraints: The United States Government furnishes this data and makes no warranty, expressed or implied, concerning its 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 user understands that the entire risk associated with the use of this data is assumed by the user. The United States shall be 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 release or 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 was valid only for the stated conditions. As such, it is only valid for its intended use, content, time and accuracy. Any use or reuse of this data for other than its intended purpose, or any of the application of the data for other than its intended purpose.

Surveyed by:	Cory Brenner, Wisconsin Project Office, LRC
Mapping:	Geospatial Section, Chicago District
Reviewed by:	Kevin Kwasny, Wisconsin Project Office, LRC
Path:	G:\eh\hydroproducts\MXD\LC_10_CAR_20250611_CS_20.aprx

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

CALUMET RIVER

LC_10_CAR_20250611_CS_20

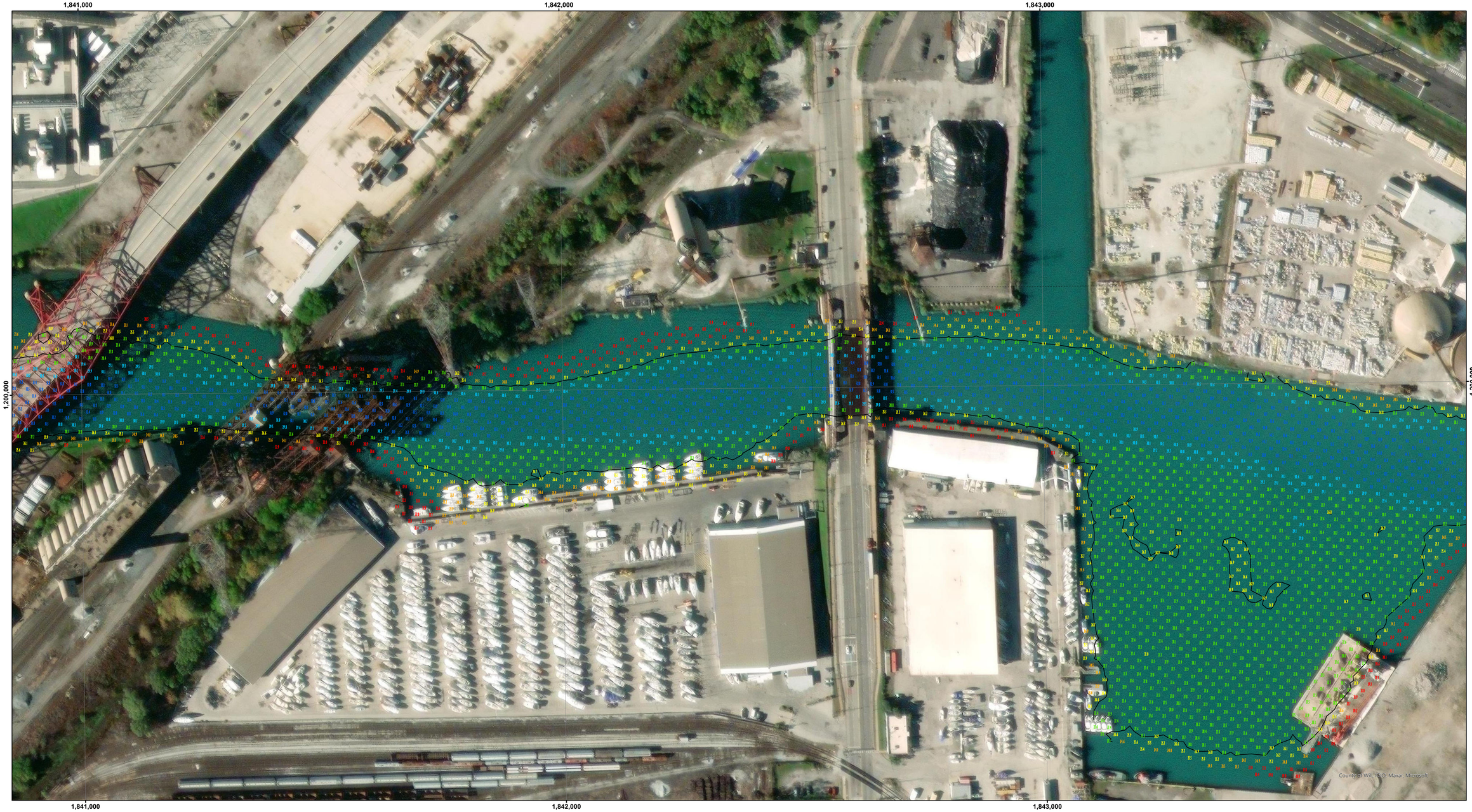
11 June 2025

Sheet Reference Number 2 of 16

Revison Number:
5.24.09.03-5.24.09.03

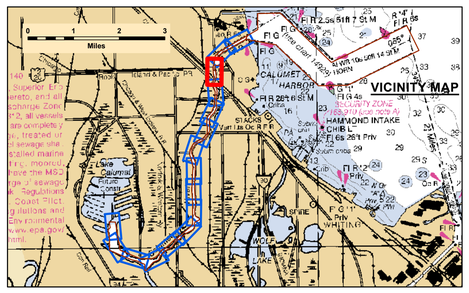
1,841,000 1,842,000 1,843,000

1,200,000



1,200,000

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



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

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

N W E S

1:1,200

NOTES:

THE SOUNDINGS INDICATED HEREON REPRESENT THE MINIMUM DEPTH SOUNDING THE 10 FOOT BY 10 FOOT AREA CENTERED AROUND THE TEXT. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SHOAL REMOVAL OPERATIONS AND NOTICES TO NAVIGATION INTERESTS.

ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). LOW WATER DATUM ZERO IS 577.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED GAUGE LOCATED AT WAUKEGAN HARBOR, ILLINOIS. DEPTHS ARE MEASURED USING AN RESON T-20 MULTIBEAM SONAR.

HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC (RTK). THE REAL TIME KINEMATIC BASE STATIONS CORRECTIONS ARE PROVIDED BY TRIMBLE VRS. DISTANCE FROM BASE STATION DETERMINES CORRECTION REFERENCE STATION. THE POSITIONING SYSTEM (GPS/IMU) IS MANUFACTURED BY APPLANIX MARINE POS/MV VER 4.0

GRID COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM,TRANSVERSE MERCATOR PROJECTION, ILLINOIS EAST (1302), NORTH AMERICAN DATUM 1983 (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET.

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON DATE SHOWN AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THE TIME.

US Army Corps of Engineers
District: CELRC

DISCLAIMER
Access Constraints: The United States Government furnishes this data without warranty of any kind, either expressed or implied concerning the accuracy, completeness, reliability, or suitability for any particular purpose of the information and the data furnished. The United States shall be held harmless from any liability resulting from improper use of the data furnished. This data is furnished to the recipient fully agrees not to represent these data to anyone as other than Government data and agrees to hold harmless the Government from any liability resulting from the use 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 mission and is suitable only for those conditions. As such, it is only valid for its intended use, content, time and accuracy. Any use or derivative thereof for other than its intended purpose or date, or the compilation of the data with other data, is the responsibility of the user. The US Army Corps of Engineers shall not be liable for any damages resulting from the misuse or misinterpretation of the data or any of the application of the data for other than its intended purpose.

Surveyed by:
Cory Brenner, Wisconsin Project Office, LRC
Mapping:
Geospatial Section, Chicago District
Reviewed by:
Kevin Kwasny, Wisconsin Project Office, LRC
Path:
G:\eh\hydro\products\MXD\LC_19_CAR_20220611_CS_20.aprx

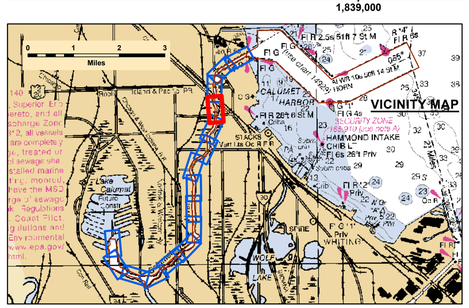
U.S. ARMY ENGINEER CORPS OF ENGINEERS CHICAGO, ILLINOIS

CALUMET RIVER
LC_10_CAR_20250611_CS_20
11 June 2025

Sheet Reference Number 3 of 16

Revison Number:
5.24.09.03-5.24.09.03





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

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

W S N E

1:1,200

NOTES:

THE SOUNDINGS INDICATED HEREON REPRESENT THE MINIMUM DEPTH SOUNDING THE 10 FOOT BY 10 FOOT AREA CENTERED AROUND THE TEXT. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SHOAL REMOVAL OPERATIONS AND NOTICES TO NAVIGATION INTERESTS.

ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). LOW WATER DATUM ZERO IS 577.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED GAUGE LOCATED AT WAUKEGAN HARBOR, ILLINOIS. DEPTHS ARE MEASURED USING AN RESON T-20 MULTIBEAM SONAR.

HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC (RTK). THE REAL TIME KINEMATIC BASE STATIONS CORRECTIONS ARE PROVIDED BY TRIMBLE VRS. DISTANCE FROM BASE STATION DETERMINES CORRECTION REFERENCE STATION. THE POSITIONING SYSTEM (GPS/IMU) IS MANUFACTURED BY APPLANIX MARINE POS/MV VER 4.0

GRID COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM,TRANSVERSE MERCATOR PROJECTION, ILLINOIS EAST (1302), NORTH AMERICAN DATUM 1983 (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET.

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON DATE SHOWN AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THE TIME.

US Army Corps of Engineers
District: CELRC

DISCLAIMER
Access Constraints: The United States Government furnishes this data/information without warranty, express or implied, except as may be agreed to in writing. It is understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, reliability, or suitability of this data/information, nor shall any warranty be implied or inferred with respect to 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. It is also understood that recipient will not furnish 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 at the time and under conditions. As such, it is only valid for its intended use, content, time and environmental conditions at the time of collection. The USACE is not responsible for any of the application of the data for other than its intended purpose.

Surveyed by:
Cory Brenner, Wisconsin Project Office, LRC

Mapping:
Geospatial Section, Chicago District

Reviewed by:
Kevin Kwasny, Wisconsin Project Office, LRC

Path:
G:\dwtydrop\products\MXD\LC_10_CAR_20250611_CS_20.aprx

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

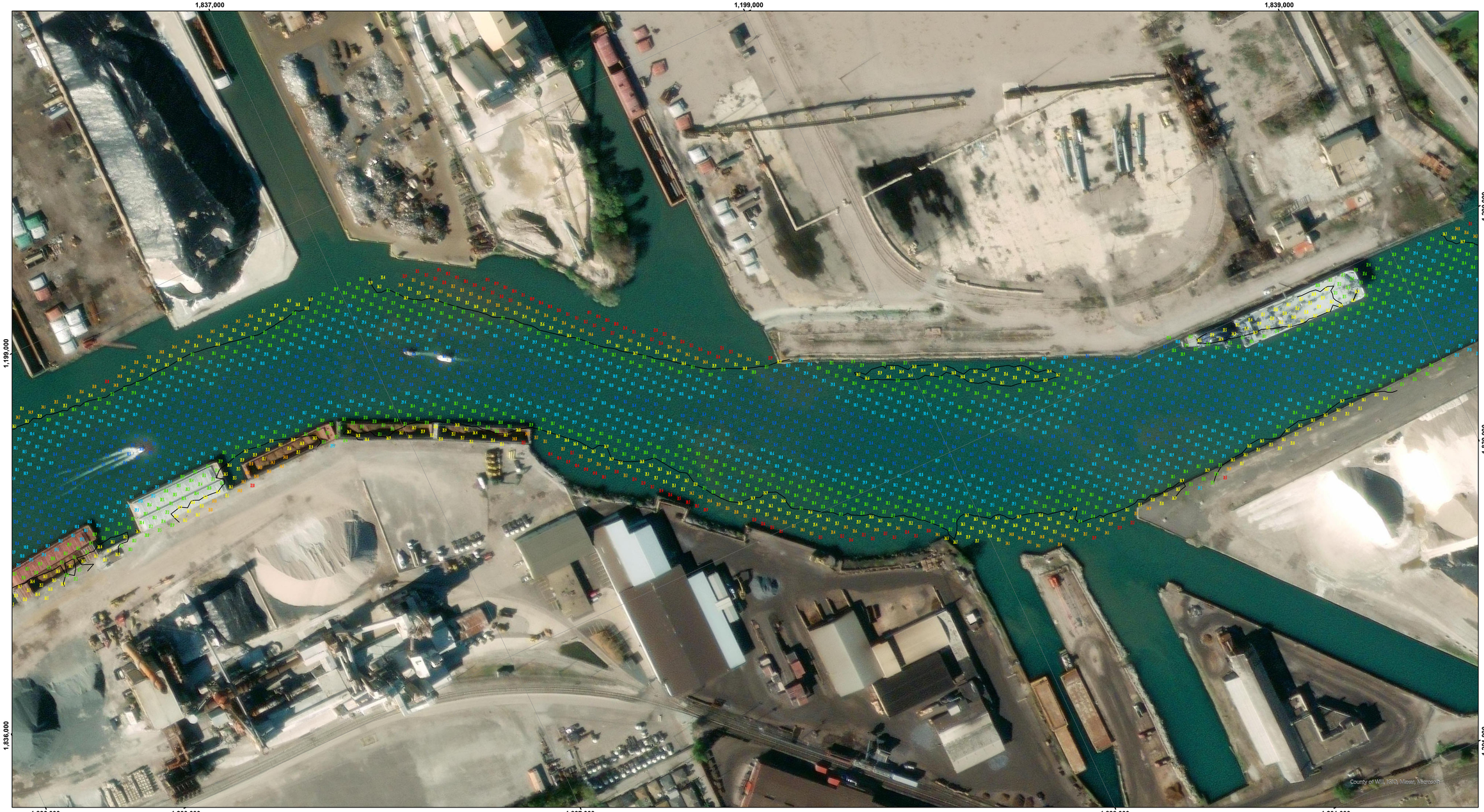
CALUMET RIVER

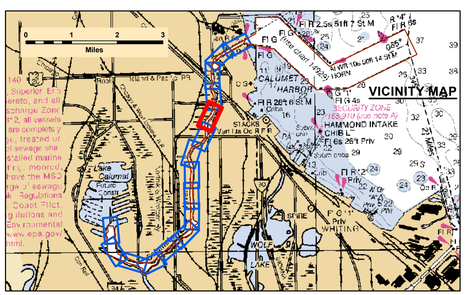
LC_10_CAR_20250611_CS_20

11 June 2025

Sheet Reference Number
4 of 16

Revison Number:
5.24.09.03-5.24.09.03





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

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

N E S W

1:1,200

NOTES:

THE SOUNDINGS INDICATED HEREON REPRESENT THE MINIMUM DEPTH SOUNDING THE 10 FOOT BY 10 FOOT AREA CENTERED AROUND THE TEXT. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SHOAL REMOVAL OPERATIONS AND NOTICES TO NAVIGATION INTERESTS.

ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). LOW WATER DATUM ZERO IS 577.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED GAUGE LOCATED AT WAUKEGAN HARBOR, ILLINOIS. DEPTHS ARE MEASURED USING AN RESON T-20 MULTIBEAM SONAR.

HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC (RTK). THE REAL TIME KINEMATIC BASE STATIONS CORRECTIONS ARE PROVIDED BY TRIMBLE VRS. DISTANCE FROM BASE STATION DETERMINES CORRECTION REFERENCE STATION. THE POSITIONING SYSTEM (GPS/IMU) IS MANUFACTURED BY APPLANIX MARINE POS/MV VER 4.0

GRID COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM,TRANSIVERSE MERCATOR PROJECTION, ILLINOIS EAST (1302), NORTH AMERICAN DATUM 1983 (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET.

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON DATE SHOWN AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THE TIME.

US Army Corps of Engineers
District: CELRC

DISCLAIMER
Access Constraints: The United States Government furnishes this data without warranty of any kind whatsoever, express or implied concerning the accuracy, completeness, understanding that the US Government makes no warranties, reliability, usability, or suitability for any particular purpose of the information and the data furnished. The United States shall be held harmless from any liability resulting from any use of the 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 and to indemnify the Government from any liability resulting from the dissemination of these data to others without also transferring this Disclaimer.

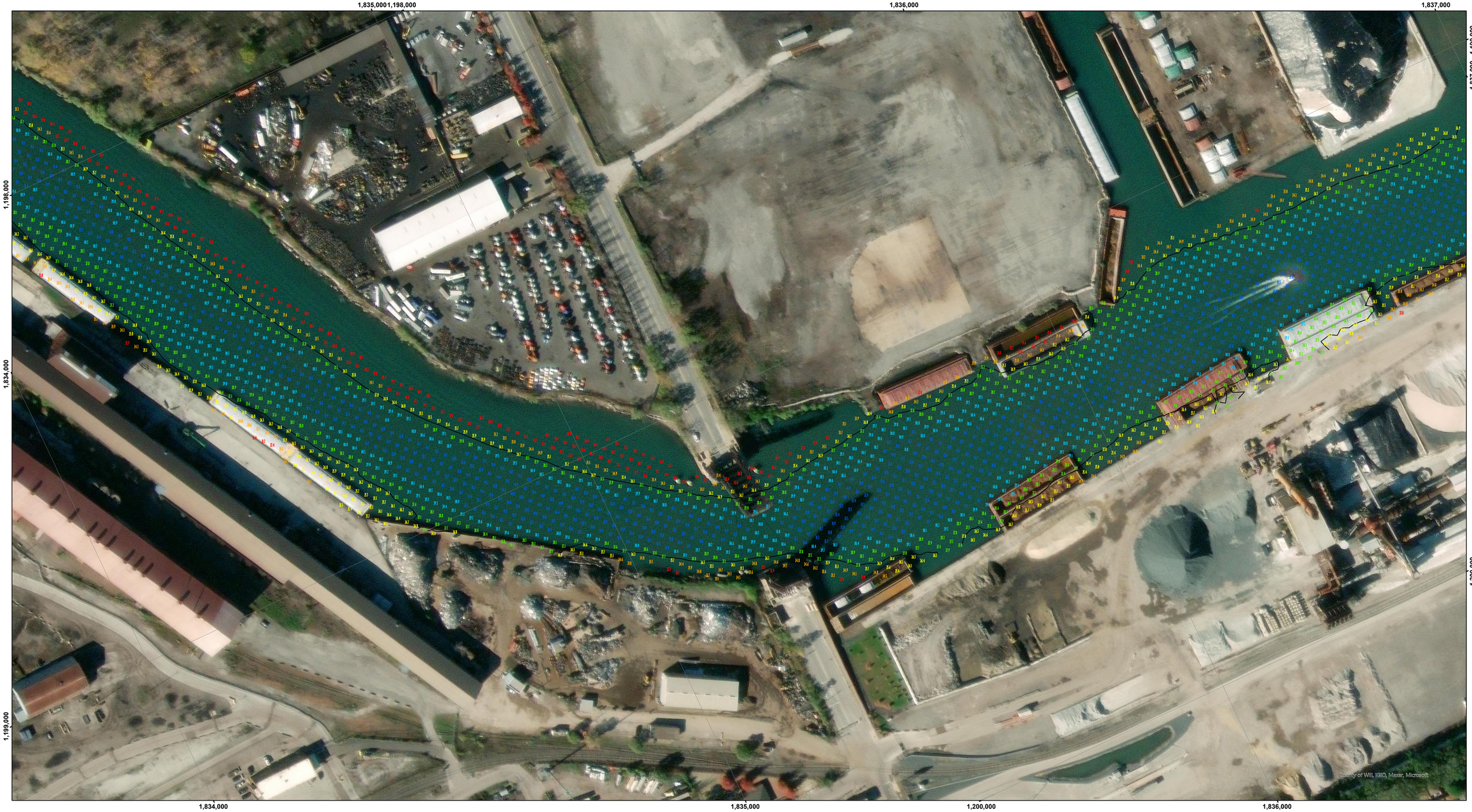
Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers mission and project at a specific time and under specific conditions. As such, it is only valid for its intended use, content, time and conditions at which it was collected/processed.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

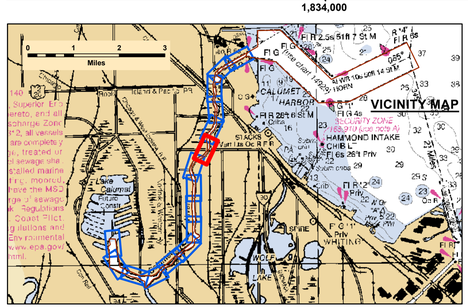
U.S. ARMY ENGINEER CORPS OF ENGINEERS CHICAGO, ILLINOIS	Surveyed by: Cory Brenner, Wisconsin Project Office, LRC Mapping: Geospatial Section, Chicago District Reviewed by: Kevin Kwasny, Wisconsin Project Office, LRC Path: G:\ehlyt\projects\data\MXD\LC_10_CAR_20250611_CS_20.aprx

CALUMET RIVER
LC_10_CAR_20250611_CS_20
11 June 2025

Sheet Reference Number 5 of 16

Revison Number:
5.24.09.03-5.24.09.03





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

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

W N S E

1:1,200

NOTES:

THE SOUNDINGS INDICATED HEREON REPRESENT THE MINIMUM DEPTH SOUNDING THE 10 FOOT BY 10 FOOT AREA CENTERED AROUND THE TEXT. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SHOAL REMOVAL OPERATIONS AND NOTICES TO NAVIGATION INTERESTS.

ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). LOW WATER DATUM ZERO IS 577.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED GAUGE LOCATED AT WAUKEGAN HARBOR, ILLINOIS. DEPTHS ARE MEASURED USING AN RESON T-20 MULTIBEAM SONAR.

HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC (RTK). THE REAL TIME KINEMATIC BASE STATIONS CORRECTIONS ARE PROVIDED BY TRIMBLE VRS. DISTANCE FROM BASE STATION DETERMINES CORRECTION REFERENCE STATION. THE POSITIONING SYSTEM (GPS/IMU) IS MANUFACTURED BY APPLANIX MARINE POS/MV VER 4.0

GRID COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM,TRANSVERSE MERCATOR PROJECTION, ILLINOIS EAST (1302), NORTH AMERICAN DATUM 1983 (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET.

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON DATE SHOWN AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THE TIME.

US Army Corps of Engineers
District: CELRC

DISCLAIMER
Access Constraints: The United States Government furnishes this map/chart/publication/data/information "as is" without express or implied warranty regarding its accuracy, completeness, understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, reliability, or suitability of this information for any particular purpose. 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 or in any way that would violate the intent of this disclaimer. The recipient further agrees to assume all liability for the use of these 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 for the stated conditions. As such, it is only valid for its intended use, content, time and accuracy. Any use of the data for navigation is at the user's risk. The US Army Corps of Engineers assumes no liability for the use of any of the application of the data for other than its intended purpose.

Surveyed by:	Cory Brenner, Wisconsin Project Office, LRC
Mapping	Geospatial Section, Chicago District
Reviewed by:	Kevin Kwasny, Wisconsin Project Office, LRC
Path:	G:\dehydro\products\MXD\LC_10_CAR_20250611_CS_20.aprx

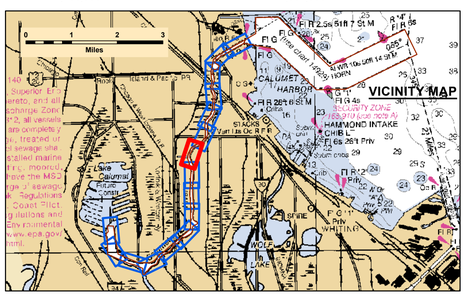
U.S. ARMY ENGINEER
CORPS OF ENGINEERS
CHICAGO, ILLINOIS

CALUMET RIVER
LC_10_CAR_20250611_CS_20
11 June 2025

Sheet Reference Number
6 of 16

Revison Number:
5.24.09.03-5.24.09.03





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

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

N E S W

1:1,200

NOTES:

THE SOUNDINGS INDICATED HEREON REPRESENT THE MINIMUM DEPTH SOUNDING THE 10 FOOT BY 10 FOOT AREA CENTERED AROUND THE TEXT. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SHOAL REMOVAL OPERATIONS AND NOTICES TO NAVIGATION INTERESTS.

ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). LOW WATER DATUM ZERO IS 577.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED GAUGE LOCATED AT WAUKEGAN HARBOR, ILLINOIS. DEPTHS ARE MEASURED USING AN RESON T-20 MULTIBEAM SONAR.

HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC (RTK). THE REAL TIME KINEMATIC BASE STATIONS CORRECTIONS ARE PROVIDED BY TRIMBLE VRS. DISTANCE FROM BASE STATION DETERMINES CORRECTION REFERENCE STATION. THE POSITIONING SYSTEM (GPS/IMU) IS MANUFACTURED BY APPLANIX MARINE POS/MV VER 4.0

GRID COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM,TRANSVERSE MERCATOR PROJECTION, ILLINOIS EAST (1302), NORTH AMERICAN DATUM 1983 (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET.

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON DATE SHOWN AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THE TIME.

US Army Corps of Engineers
District: CELRC

DISCLAIMER
Access Constraints: The United States Government furnishes this data without warranty of any kind whether expressed or implied concerning the accuracy, completeness, reliability, or suitability of this information for any purpose. The information and the data furnished. The United States shall be under no liability whatsoever to any individual or party for any loss, damage, or claim arising from the use of this data or information 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 and not 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 purpose, at a specific time, under specific conditions. As such, it is only valid for its intended use, content, time and conditions at which it was collected/processed. The user assumes all responsibility for the misinterpretation, misuse, or misapplication of any of the application of the data for other than its intended purpose.

Surveyed by:
Cory Brenner, Wisconsin Project Office, LRC

Mapping:
Geospatial Section, Chicago District

Reviewed by:
Kevin Kwasny, Wisconsin Project Office, LRC

Path:
G:\ehlyst\projects\data\MXDs\LC_10_CAR_20250611_CS_20.aprx

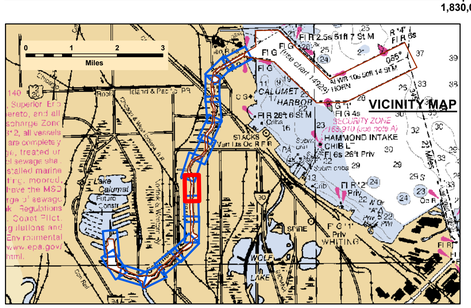
U.S. ARMY ENGINEER
CORPS OF ENGINEERS
CHICAGO, ILLINOIS

CALUMET RIVER
LC_10_CAR_20250611_CS_20
11 June 2025

Sheet Reference Number
7 of 16

Revison Number:
5.24.09.03-5.24.09.03





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

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

W S N E

1:1,200

NOTES:

THE SOUNDINGS INDICATED HEREON REPRESENT THE MINIMUM DEPTH SOUNDING THE 10 FOOT BY 10 FOOT AREA CENTERED AROUND THE TEXT. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SHOAL REMOVAL OPERATIONS AND NOTICES TO NAVIGATION INTERESTS.

ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). LOW WATER DATUM ZERO IS 577.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED GAUGE LOCATED AT WAUKEGAN HARBOR, ILLINOIS. DEPTHS ARE MEASURED USING AN RESON T-20 MULTIBEAM SONAR.

HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC (RTK). THE REAL TIME KINEMATIC BASE STATIONS CORRECTIONS ARE PROVIDED BY TRIMBLE VRS. DISTANCE FROM BASE STATION DETERMINES CORRECTION REFERENCE STATION. THE POSITIONING SYSTEM (GPS/IMU) IS MANUFACTURED BY APPLANIX MARINE POS/MV VER 4.0

GRID COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM,TRANSVERSE MERCATOR PROJECTION, ILLINOIS EAST (1302), NORTH AMERICAN DATUM 1983 (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET.

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON DATE SHOWN AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THE TIME.

US Army Corps of Engineers
District: CELRC

DISCLAIMER
Access Constraints: The United States Government furnishes this data without warranty of any kind whatsoever, express or implied. The user assumes all risk in using these data. By understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, reliability, or suitability of these data, the user agrees to indemnify the US Government from any and all claims arising from the use of the information and the data furnished. The United States shall be under no liability for any deficiency, or for any loss or damage claimed to have been sustained, incidental to or consequent upon the use of the 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. The recipient also agrees to pass this disclaimer on to these data to others without also transferring this Disclaimer.

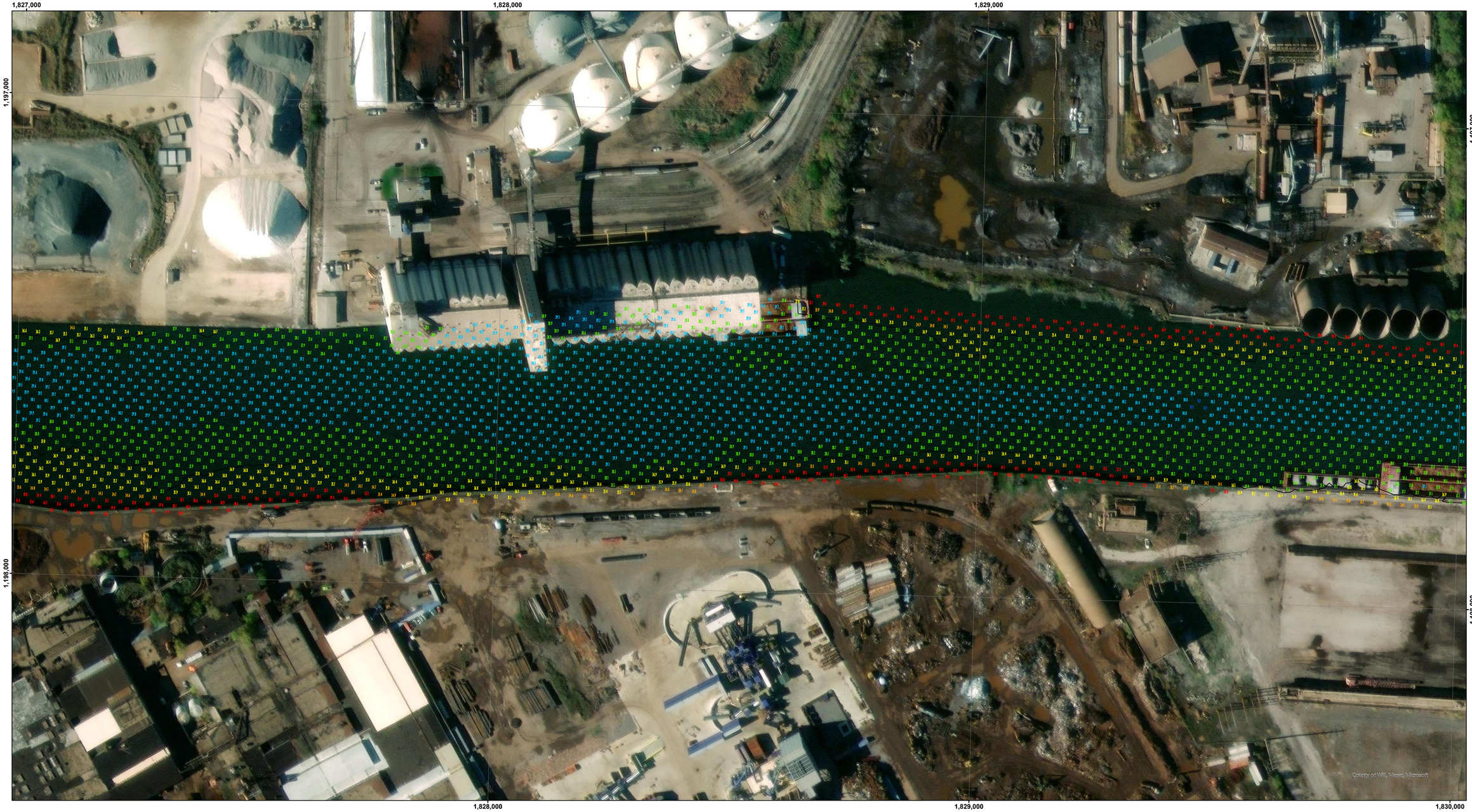
Distribution Liability: The data represents the results of data collection/processing for a specific US Army Corps of Engineers mission and project and is subject to change as conditions. As such, it is only valid for its intended use, content, time and processing parameters. The US Army Corps of Engineers is not liable for any of the application of the data for other than its intended purpose.

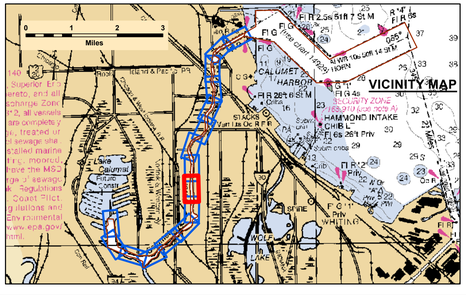
U.S. ARMY ENGINEER CORPS OF ENGINEERS CHICAGO, ILLINOIS	Surveyed by: Cory Brenner, Wisconsin Project Office, LRC Mapping: Geospatial Section, Chicago District Reviewed by: Kevin Kwasny, Wisconsin Project Office, LRC Path: G:\eh\cproducts\MXD\LC_10_CAR_20250611_CS_20.aprx

CALUMET RIVER
LC_10_CAR_20250611_CS_20
11 June 2025

Sheet Reference Number
8 of 16

Revison Number:
5.24.09.03-5.24.09.03





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

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

W N S E

1:1,200

NOTES:

THE SOUNDINGS INDICATED HEREON REPRESENT THE MINIMUM DEPTH SOUNDING THE 10 FOOT BY 10 FOOT AREA CENTERED AROUND THE TEXT. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SHOAL REMOVAL OPERATIONS AND NOTICES TO NAVIGATION INTERESTS.

ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). LOW WATER DATUM ZERO IS 577.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED GAUGE LOCATED AT WAUKEGAN HARBOR, ILLINOIS. DEPTHS ARE MEASURED USING AN RESON T-20 MULTIBEAM SONAR.

HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC (RTK). THE REAL TIME KINEMATIC BASE STATIONS CORRECTIONS ARE PROVIDED BY TRIMBLE VRS. DISTANCE FROM BASE STATION DETERMINES CORRECTION REFERENCE STATION. THE POSITIONING SYSTEM (GPS/IMU) IS MANUFACTURED BY APPLANIX MARINE POS/MV VER 4.0

GRID COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM,TRANSVERSE MERCATOR PROJECTION, ILLINOIS EAST (1302), NORTH AMERICAN DATUM 1983 (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET.

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON DATE SHOWN AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THE TIME.

US Army Corps of Engineers
District: CELRC

DISCLAIMER
Access Constraints: The United States Government furnishes this data without warranty of any kind, either expressed or implied concerning the accuracy, completeness, reliability, or suitability of the information and the data furnished. The United States shall be held harmless from any liability resulting from the use of this data. The recipient fully agrees not to represent these data to anyone as other than data furnished by the Government. Therefore the recipient shall indemnify the Government and 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 at a specific time and under specific conditions. As such, it is only valid for its intended use, content, time and conditions as originally compiled. The US Army Corps of Engineers is not liable for the misuse or misinterpretation of any of the application of the data for other than its intended purpose.

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

Surveyed by:
Cory Brenner, Wisconsin Project Office, LRC

Mapping:
Geospatial Section, Chicago District

Reviewed by:
Kevin Kwasny, Wisconsin Project Office, LRC

Path:
G:\efh\projects\calumet\MXD\LC_10_CAR_20250611_CS_20250611_CS_20.aprx

CALUMET RIVER
LC_10_CAR_20250611_CS_20
11 June 2025

Sheet Reference Number
9 of 16

Revison Number:
5.24.09.03-5.24.09.03

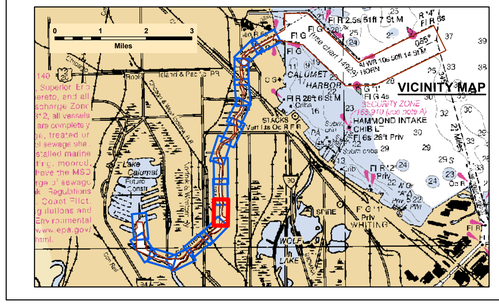
1,825,000 1,826,000 1,827,000

1,197,000

1,198,000



1,825,000 1,826,000 1,827,000



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

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

W S N E

1:1,200

NOTES:

THE SOUNDINGS INDICATED HEREON REPRESENT THE MINIMUM DEPTH SOUNDING THE 10 FOOT BY 10 FOOT AREA CENTERED AROUND THE TEXT. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SHOAL REMOVAL OPERATIONS AND NOTICES TO NAVIGATION INTERESTS.

ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). LOW WATER DATUM ZERO IS 577.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED GAUGE LOCATED AT WAUKEGAN HARBOR, ILLINOIS. DEPTHS ARE MEASURED USING AN RESON T-20 MULTIBEAM SONAR.

HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC (RTK). THE REAL TIME KINEMATIC BASE STATIONS CORRECTIONS ARE PROVIDED BY TRIMBLE VRS. DISTANCE FROM BASE STATION DETERMINES CORRECTION REFERENCE STATION. THE POSITIONING SYSTEM (GPS/IMU) IS MANUFACTURED BY APPLANIX MARINE POS/MV VER 4.0

GRID COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM,TRANSVERSE MERCATOR PROJECTION, ILLINOIS EAST (1302), NORTH AMERICAN DATUM 1983 (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET.

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON DATE SHOWN AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THE TIME.

US Army Corps of Engineers
District: CELRC

DISCLAIMER
Access Constraints: The United States Government furnishes this data without warranty of any kind whatsoever, express or implied, concerning the accuracy, completeness, reliability, or suitability 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 received from the Government and to indemnify the Government from any claim arising from the use 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 and may not be suitable for other uses. As such, it is only valid for its intended use, content, time and conditions at which it was collected. The US Army Corps of Engineers assumes no liability for the misuse, misinterpretation, or any of the application of the data for other than its intended purpose.

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

Surveyed by: Cory Brenner, Wisconsin Project Office, LRC
Mapping: Geospatial Section, Chicago District
Reviewed by: Kevin Kwasny, Wisconsin Project Office, LRC
Path: G:\efs\projects\data\MXD\LC_10_CAR_20250611_CS_20.aprx

CALUMET RIVER
LC_10_CAR_20250611_CS_20
11 June 2025

Sheet Reference Number
10 of 16

Revison Number:
5.24.09.03-5.24.09.03

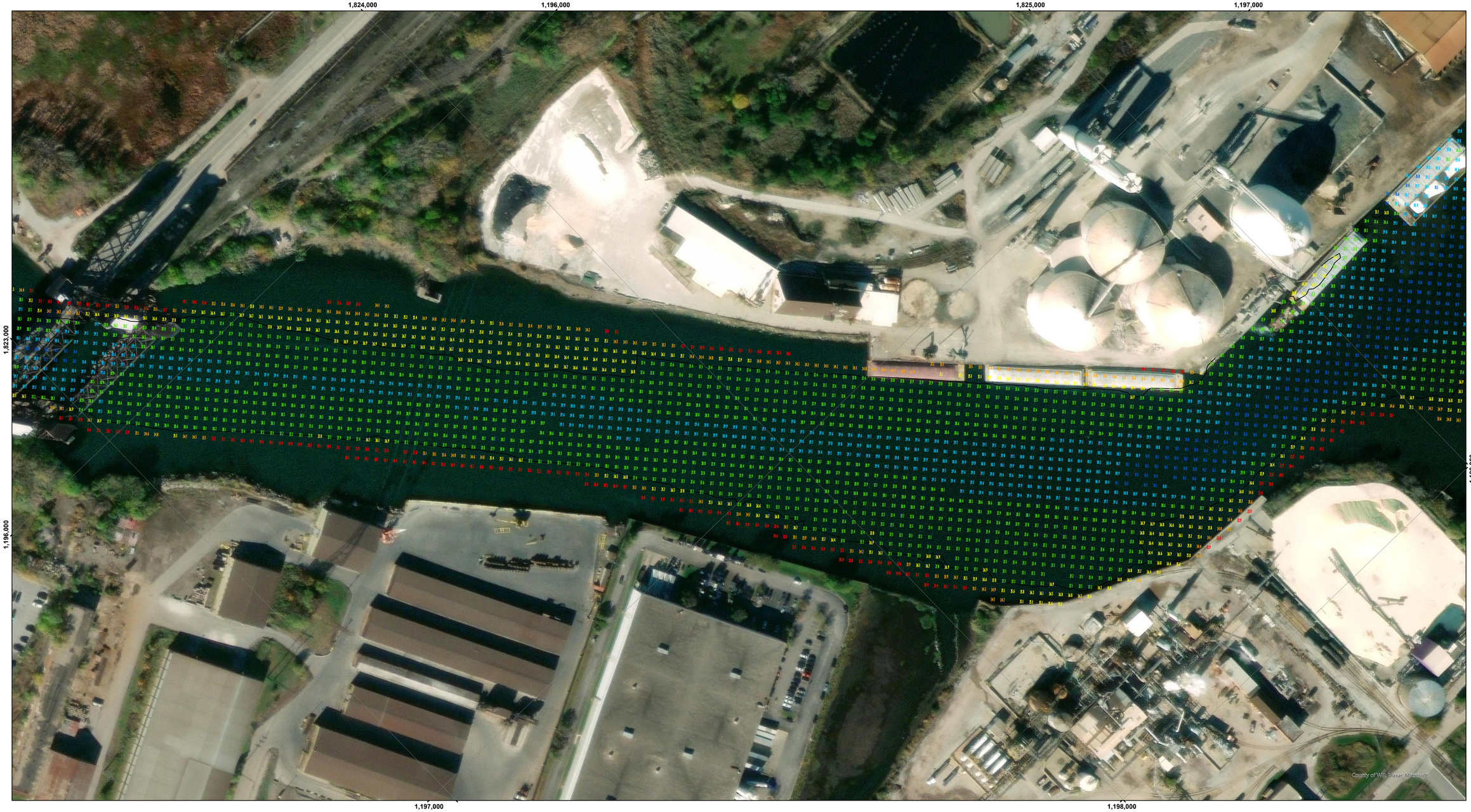
1,824,000 1,196,000 1,825,000 1,197,000

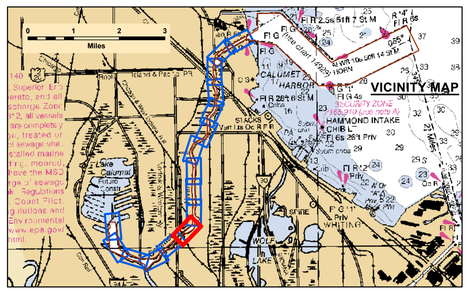
1,823,000

1,196,000

1,198,000

1,197,000 1,198,000





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

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

N W E S

1:1,200

NOTES:

THE SOUNDINGS INDICATED HEREON REPRESENT THE MINIMUM DEPTH SOUNDING. THE 10 FOOT BY 10 FOOT AREA CENTERED AROUND THE TEXT. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SHOAL REMOVAL OPERATIONS AND NOTICES TO NAVIGATION INTERESTS.

ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). LOW WATER DATUM ZERO IS 577.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED GAUGE LOCATED AT WAUKEGAN HARBOR, ILLINOIS. DEPTHS ARE MEASURED USING AN RESON T-20 MULTIBEAM SONAR.

HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC (RTK). THE REAL TIME KINEMATIC BASE STATIONS CORRECTIONS ARE PROVIDED BY TRIMBLE VRS. DISTANCE FROM BASE STATION DETERMINES CORRECTION REFERENCE STATION. THE POSITIONING SYSTEM (GPS/IMU) IS MANUFACTURED BY APPLANIX MARINE POS/MV VER 4.0

GRID COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM,TRANSVERSE MERCATOR PROJECTION, ILLINOIS EAST (1302), NORTH AMERICAN DATUM 1983 (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET.

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON DATE SHOWN AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THE TIME.

US Army Corps of Engineers
District: CELRC

DISCLAIMER
Access Constraints: The United States Government furnishes Electronic Navigational Charts (ENC) and data in good faith, expressly understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, reliability, or suitability of this information. The US Government shall not be liable for any damages arising from the use of the information and the data furnished. The United States shall be indemnified, defended and held harmless for any and all liability resulting from 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 mission and is valid only for the conditions specified. As such, it is only valid for its intended use, content, time and conditions. The US Government shall not be liable for any damages of any of the application of the data for other than its intended purpose.

The recipient fully agrees not to represent these data to anyone as other than government data. The recipient shall not charge others for these data to others without also transferring this Disclaimer.

Surveyed by:	Cory Brenner, Wisconsin Project Office, LRC
Mapping:	Geospatial Section, Chicago District
Reviewed by:	Kevin Kwasny, Wisconsin Project Office, LRC
Path:	G:\eh\hydro\products\MXD\LC_10_CAR_20250611_CS_20250611.mxd

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

CALUMET RIVER

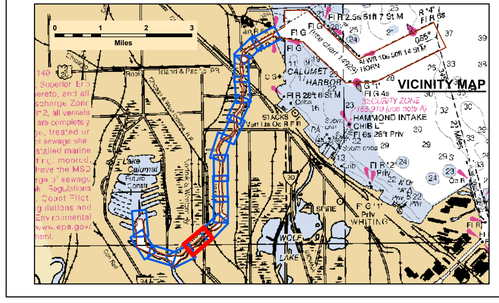
LC_10_CAR_20250611_CS_20

11 June 2025

Sheet Reference Number 11 of 16

Revison Number:
5.24.09.03-5.24.09.03





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

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

N W E S

1:1,200

NOTES:

THE SOUNDINGS INDICATED HEREON REPRESENT THE MINIMUM DEPTH SOUNDING THE 10 FOOT BY 10 FOOT AREA CENTERED AROUND THE TEXT. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SHOAL REMOVAL OPERATIONS AND NOTICES TO NAVIGATION INTERESTS.

ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). LOW WATER DATUM ZERO IS 577.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED GAUGE LOCATED AT WAUKEGAN HARBOR, ILLINOIS. DEPTHS ARE MEASURED USING AN RESON T-20 MULTIBEAM SONAR.

HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC (RTK). THE REAL TIME KINEMATIC BASE STATIONS CORRECTIONS ARE PROVIDED BY TRIMBLE VRS. DISTANCE FROM BASE STATION DETERMINES CORRECTION REFERENCE STATION. THE POSITIONING SYSTEM (GPS/IMU) IS MANUFACTURED BY APPLANIX MARINE POS/MV VER 4.0

GRID COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM,TRANSVERSE MERCATOR PROJECTION, ILLINOIS EAST (1302), NORTH AMERICAN DATUM 1983 (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET.

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON DATE SHOWN AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THE TIME.

US Army Corps of Engineers
District: CELRC

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

DISCLAIMER
Access Constraints: The United States Government furnishes this map/chart/publication/data and accepts no liability arising from any incorrect, incomplete or misleading information. By using this information and the data furnished, the user agrees that the United States Government shall be held harmless from any liability arising from any such inaccuracies, incompleteness, or misleading information contained therein. The United States Government fully agrees not to represent these data to anyone as other than a government publication. The user agrees to restrictions on these data to others without also transferring this Disclaimer.

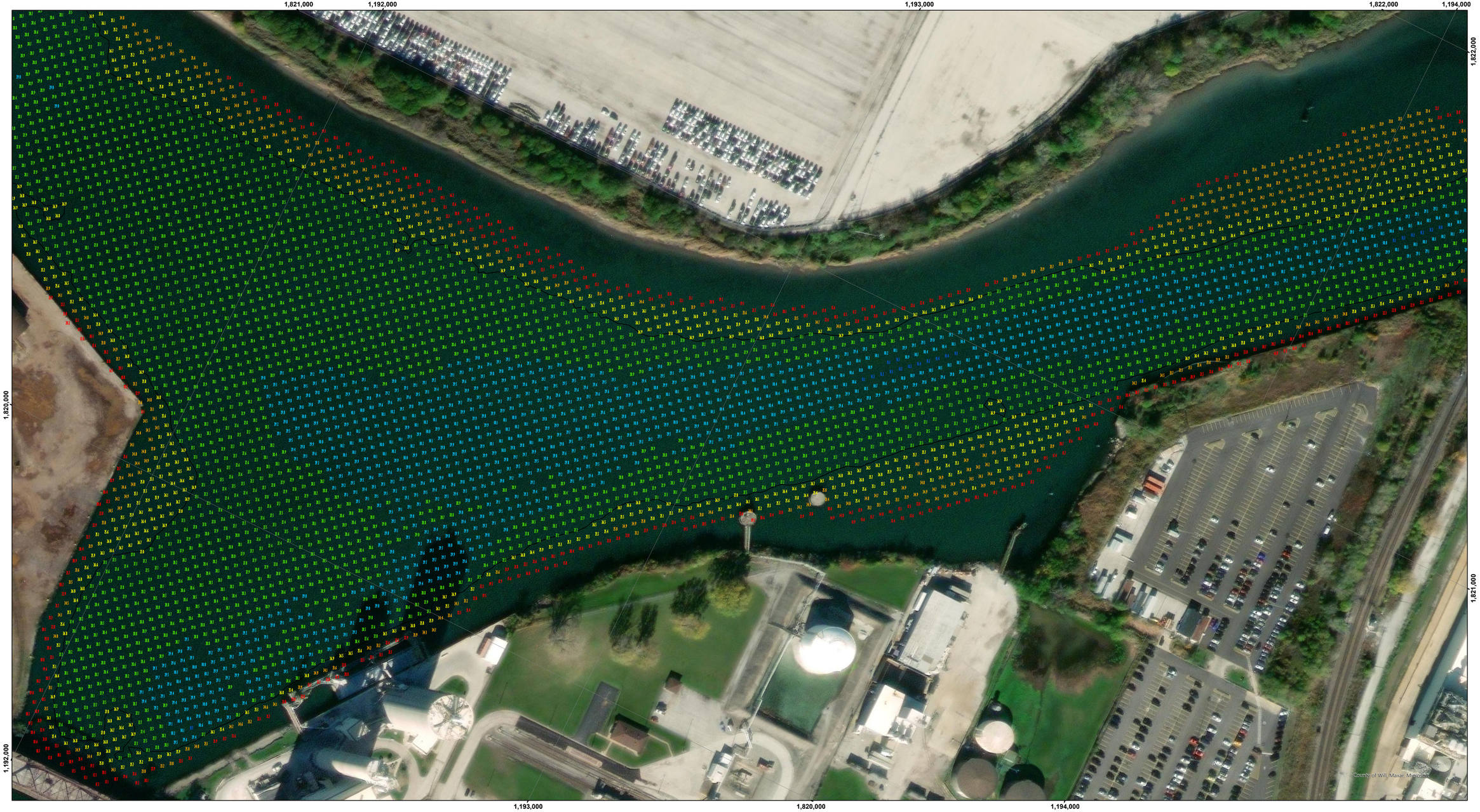
U.S. ARMY ENGINEER CORPS OF ENGINEERS CHICAGO, ILLINOIS

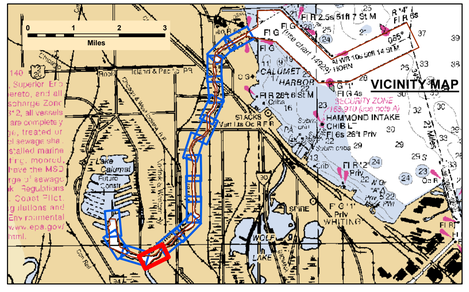
Surveyed by: Cory Brenner, Wisconsin Project Office, LRC
Mapping: Geospatial Section, Chicago District
Reviewed by: Kevin Kwasny, Wisconsin Project Office, LRC
Path: G:\ehy\chi\products\MXD\LC_10_CAR_20250611_CS_20.aprx

CALUMET RIVER
LC_10_CAR_20250611_CS_20
11 June 2025

Sheet Reference Number
12 of 16

Revison Number:
5.24.09.03-5.24.09.03





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

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

N W E S

1:1,200

NOTES:

THE SOUNDINGS INDICATED HEREON REPRESENT THE MINIMUM DEPTH SOUNDING THE 10 FOOT BY 10 FOOT AREA CENTERED AROUND THE TEXT. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SHOAL REMOVAL OPERATIONS AND NOTICES TO NAVIGATION INTERESTS.

ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). LOW WATER DATUM ZERO IS 577.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED GAUGE LOCATED AT WAUKEGAN HARBOR, ILLINOIS. DEPTHS ARE MEASURED USING AN RESON T-20 MULTIBEAM SONAR.

HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC (RTK). THE REAL TIME KINEMATIC BASE STATIONS CORRECTIONS ARE PROVIDED BY TRIMBLE VRS. DISTANCE FROM BASE STATION DETERMINES CORRECTION REFERENCE STATION. THE POSITIONING SYSTEM (GPS/IMU) IS MANUFACTURED BY APPLANIX MARINE POS/MV VER 4.0

GRID COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM,TRANSVERSE MERCATOR PROJECTION, ILLINOIS EAST (1302), NORTH AMERICAN DATUM 1983 (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET.

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON DATE SHOWN AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THE TIME.

US Army Corps of Engineers
District: CELRC

DISCLAIMER
Access Constraints: The United States Government furnishes this data without warranty of any kind whatsoever, express or implied. The user understands that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, reliability, or suitability of this data and shall not be liable for any loss resulting from the information and the data furnished. The United States shall be under no obligation to furnish any services with respect to the data furnished hereunder, including but not limited to any updates, corrections, or revisions 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 to anyone any 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 project and is valid only for the stated conditions. As such, it is only valid for its intended use, content, time and environmental restrictions/limitations. Do not use data for navigation or any of the application of the data for other than its intended purpose.

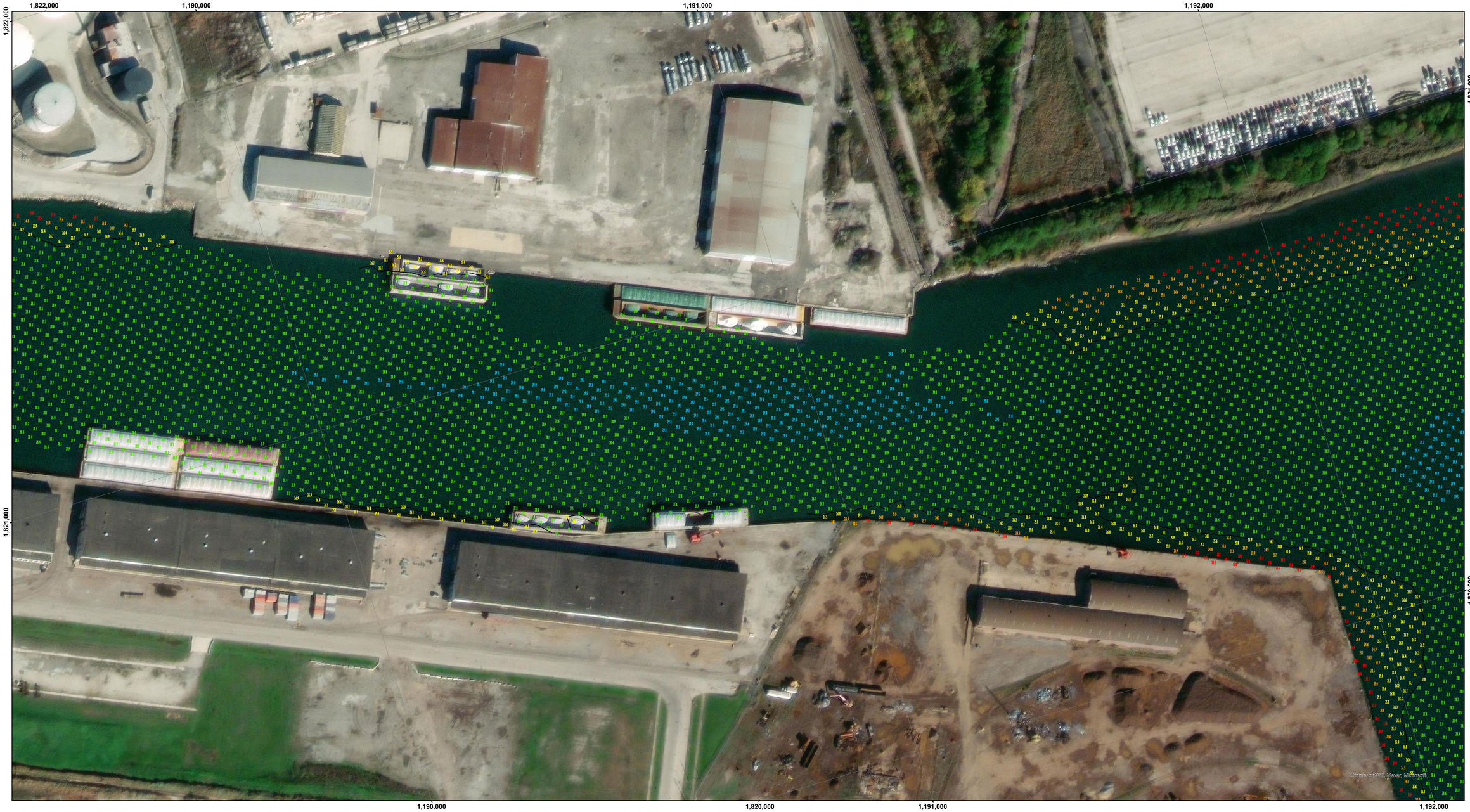
Surveyed by: Cory Brenner, Wisconsin Project Office, LRC
Mapping: Geospatial Section, Chicago District
Reviewed by: Kevin Kwasny, Wisconsin Project Office, LRC
Path: G:\efs\projects\products\MXD\LC_10_CAR_20250611_CS_20.aprx

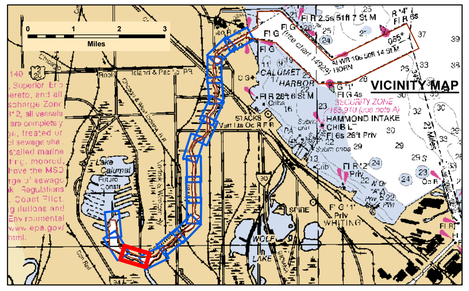
U.S. ARMY ENGINEER CORPS OF ENGINEERS CHICAGO, ILLINOIS

CALUMET RIVER
LC_10_CAR_20250611_CS_20
11 June 2025

Sheet Reference Number
13 of 16

Revison Number:
5.24.09.03-5.24.09.03





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

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

N E S W

1:1,200

NOTES:

THE SOUNDINGS INDICATED HEREON REPRESENT THE MINIMUM DEPTH SOUNDING THE 10 FOOT BY 10 FOOT AREA CENTERED AROUND THE TEXT. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SHOAL REMOVAL OPERATIONS AND NOTICES TO NAVIGATION INTERESTS.

ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). LOW WATER DATUM ZERO IS 577.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED GAUGE LOCATED AT WAUKEGAN HARBOR, ILLINOIS. DEPTHS ARE MEASURED USING AN RESON T-20 MULTIBEAM SONAR.

HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC (RTK). THE REAL TIME KINEMATIC BASE STATIONS CORRECTIONS ARE PROVIDED BY TRIMBLE VRS. DISTANCE FROM BASE STATION DETERMINES CORRECTION REFERENCE STATION. THE POSITIONING SYSTEM (GPS/IMU) IS MANUFACTURED BY APPLANIX MARINE POS/MV VER 4.0

GRID COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM,TRANSVERSE MERCATOR PROJECTION, ILLINOIS EAST (1302), NORTH AMERICAN DATUM 1983 (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET.

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON DATE SHOWN AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THE TIME.

US Army Corps of Engineers
District: CELRC

DISCLAIMER
Access Constraints: The United States Government furnishes this map/chart/publication "as is" without warranty of any kind, express 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 loss or damage arising out of the use of the 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 and to indemnify the Government from any loss 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 under specific conditions. As such, it is only valid for its intended use, content, time and conditions specified at the time of collection. The user assumes all of any of the application of the data for other than its intended purpose.

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

Surveyed by:
Cory Brenner, Wisconsin Project Office, LRC

Mapping:
Geospatial Section, Chicago District

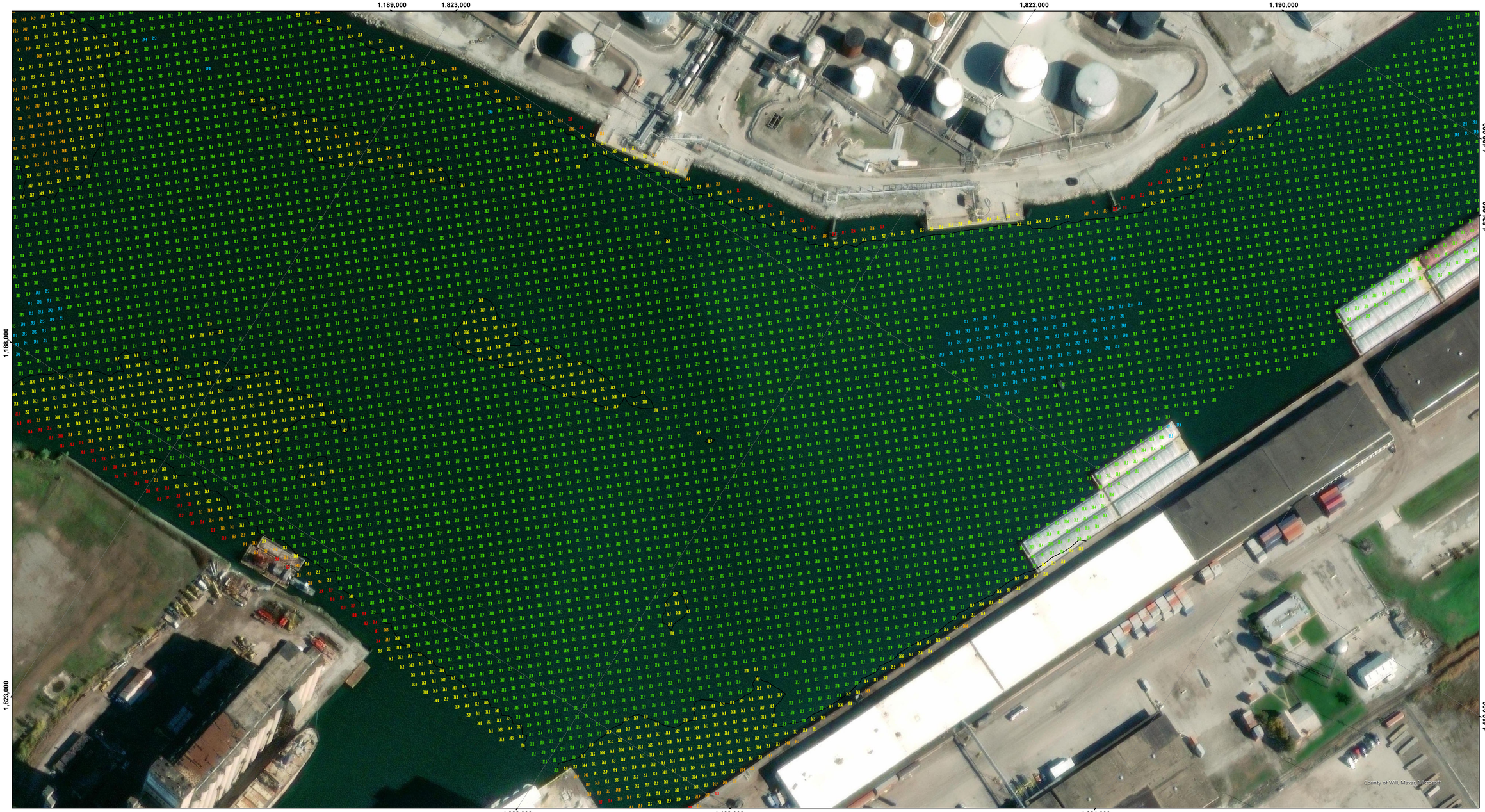
Reviewed by:
Kevin Kwasny, Wisconsin Project Office, LRC

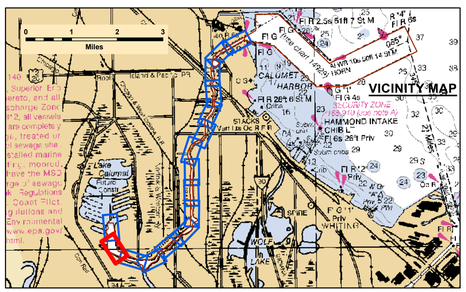
Path:
G:\eHydro\products\MXD\LC_10_CAR_20250611_CS_20.aprx

CALUMET RIVER
LC_10_CAR_20250611_CS_20
11 June 2025

Sheet Reference Number
14 of 16

Revison Number:
5.24.09.03-5.24.09.03





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

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

N E S W

1:1,200

NOTES:

THE SOUNDINGS INDICATED HEREON REPRESENT THE MINIMUM DEPTH SOUNDING THE 10 FOOT BY 10 FOOT AREA CENTERED AROUND THE TEXT. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SHOAL REMOVAL OPERATIONS AND NOTICES TO NAVIGATION INTERESTS.

ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). LOW WATER DATUM ZERO IS 577.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED GAUGE LOCATED AT WAUKEGAN HARBOR, ILLINOIS. DEPTHS ARE MEASURED USING AN RESON T-20 MULTIBEAM SONAR.

HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC (RTK). THE REAL TIME KINEMATIC BASE STATIONS CORRECTIONS ARE PROVIDED BY TRIMBLE VRS. DISTANCE FROM BASE STATION DETERMINES CORRECTION REFERENCE STATION. THE POSITIONING SYSTEM (GPS/IMU) IS MANUFACTURED BY APPLANIX MARINE POS/MV VER 4.0

GRID COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM,TRANSVERSE MERCATOR PROJECTION, ILLINOIS EAST (1302), NORTH AMERICAN DATUM 1983 (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET.

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON DATE SHOWN AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THE TIME.

US Army Corps of Engineers District: CELRC

DISCLAIMER
Access Constraints: The United States Government furnishes this map/chart/publication/data in its present state of use without warranty and with the understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, reliability, usability, or suitability 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 government data. The recipient agrees to hold the United States harmless from any claim arising from the use 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 mission and project at the time and conditions. As such, it is only valid for its intended use, content, time and conditions at collection/processing. The US Army Corps of Engineers is not liable for the misuse, modification, or derivative application of any of the application of the data is for other than its intended purpose.

Surveyed by: Cory Brenner, Wisconsin Project Office, LRC
Mapping: Geospatial Section, Chicago District
Reviewed by: Kevin Kwasny, Wisconsin Project Office, LRC
Path: G:\eh\hydroproducts\MXD\LC_10_CAR_20250611_CS_20.aprx

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

CALUMET RIVER

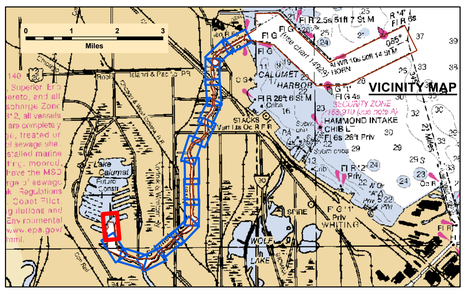
LC_10_CAR_20250611_CS_20

11 June 2025

Sheet Reference Number 15 of 16

Revison Number:
5.24.09.03-5.24.09.03





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

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

N E S W

1:1,200

NOTES:

THE SOUNDINGS INDICATED HEREON REPRESENT THE MINIMUM DEPTH SOUNDING THE 10 FOOT BY 10 FOOT AREA CENTERED AROUND THE TEXT. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SHOAL REMOVAL OPERATIONS AND NOTICES TO NAVIGATION INTERESTS.

ELEVATIONS AND SOUNDING DEPTHS ARE REFERRED TO INTERNATIONAL GREAT LAKES DATUM 1985 (IGLD 85). LOW WATER DATUM ZERO IS 577.5 FEET ABOVE MEAN WATER LEVEL AT POINT RIMOUSKI QUEBEC. WATER LEVEL READINGS ARE FROM AN AUTOMATED GAUGE LOCATED AT WAUKEGAN HARBOR, ILLINOIS. DEPTHS ARE MEASURED USING AN RESON T-20 MULTIBEAM SONAR.

HORIZONTAL POSITIONING IS DETERMINED USING REAL TIME KINEMATIC (RTK). THE REAL TIME KINEMATIC BASE STATIONS CORRECTIONS ARE PROVIDED BY TRIMBLE VRS. DISTANCE FROM BASE STATION DETERMINES CORRECTION REFERENCE STATION. THE POSITIONING SYSTEM (GPS/IMU) IS MANUFACTURED BY APPLANIX MARINE POS/MV VER 4.0

GRID COORDINATES ARE BASED ON THE ILLINOIS STATE PLANE COORDINATE SYSTEM,TRANSVERSE MERCATOR PROJECTION, ILLINOIS EAST (1302), NORTH AMERICAN DATUM 1983 (NAD83). ALL COORDINATES SHOWN ARE IN U.S. SURVEY FEET.

THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON DATE SHOWN AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS PRESENT AT THE TIME.

US Army Corps of Engineers
District: CELRC

DISCLAIMER
Access Constraints: The United States Government furnishes this data without warranty of any kind whatsoever, express or implied concerning the accuracy, completeness, reliability, or suitability of the 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 and agrees to hold harmless the Government from 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 the stated conditions. As such, it is only valid for its intended use, content, time and accuracy. Any use or modification of the data and/or its application for other than its intended purpose, or any of the application of the data for other than its intended purpose.

Surveyed by:	Cory Brenner, Wisconsin Project Office, LRC
Mapping:	Geospatial Section, Chicago District
Reviewed by:	Kevin Kwasny, Wisconsin Project Office, LRC
Path:	G:\ehydro\products\MXD\LC_10_CAR_20250611_CS_20.aprx

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

CALUMET RIVER
LC_10_CAR_20250611_CS_20
11 June 2025

Sheet Reference Number
16 of 16

Revison Number:
5.24.09.03-5.24.09.03