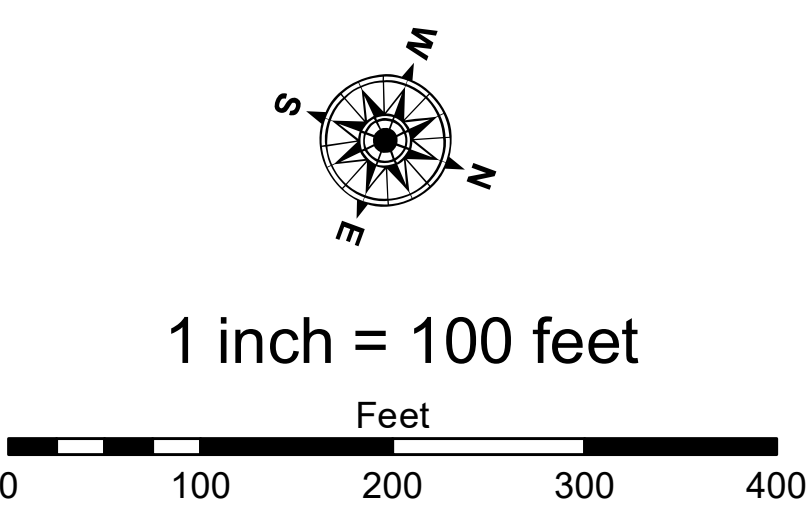


- LEGEND**
- Cable Submarine
 - - Cable Overhead
 - Placement Area
 - ⊥ Beacon, General
 - Contour Lines
 - Channel_Limits

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



NOTES: THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THE TIME.

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HORIZONTAL GRID DATUM BASED ON MICHIGAN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, SOUTH ZONE (2113), NORTH AMERICAN DATUM 1983, U.S. SURVEY FOOT. ALL SOUNDINGS ARE REFERENCED TO INTERNATIONAL GREAT LAKES DATUM OF 1985 (IGLD85). PROJECT DEPTH RANGE FROM 20.0 TO 27.0'

TIDE VALUES ARE DERIVED FROM THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) WATER LEVEL STATIONS: ESSEXVILLE, MI (#9075035) ALONG WITH THE FOLLOWING GAGES: G. BOARD ON PILING NEAR CS 620+00, TBM ZILL RAMP, TBM CHEB, TBM CASS RAMP, TBM RAILROAD (ESTABLISHED FROM COE VERTICAL CP BM 36), TBM SAIL AT THE FOOT OF THE 5TH STREET, G. BOARD ON THE D. STREAM WESTERN PIER OF THE CENTRAL MICHIGAN R.R. BRIDGE [GAGE BOARD WAS ESTABLISHED FROM NGS BM HL MON 25 USE], G. BOARD ON THE DOWNSTREAM END OF THE CENTER PIER OF THE LAKE STATE RAILROAD BRIDGE [ESTABLISHED FROM NGS BM HL MON 16 USE (PID QJ0534)], G. BOARD ON THE D. STREAM END OF THE CTR PIER OF LAKE STATE R.R. BRIDGE, G. BOARD SET ON THE PILING AT THE MOUTH OF THE BLACK RIVER ON THE NORTH SIDE NEAR THE RAILROAD TRESTLE

POSITIONING: APPLANIX POS-MV4 W/ VRS/RTK OR MARINESTAR GNSS. MOTION COMPENSATION: APPLANIX POS-MV4 SONAR: R2SONIC 2024 (MULTIBEAM) OR ODOM CV-300 (SINGLEBEAM) SOFTWARE: HYPACK

2010 AERIAL PHOTOGRAPHY DATA SOURCE: USGS ALL COORDINATES ARE IN U.S. SURVEY FEET.



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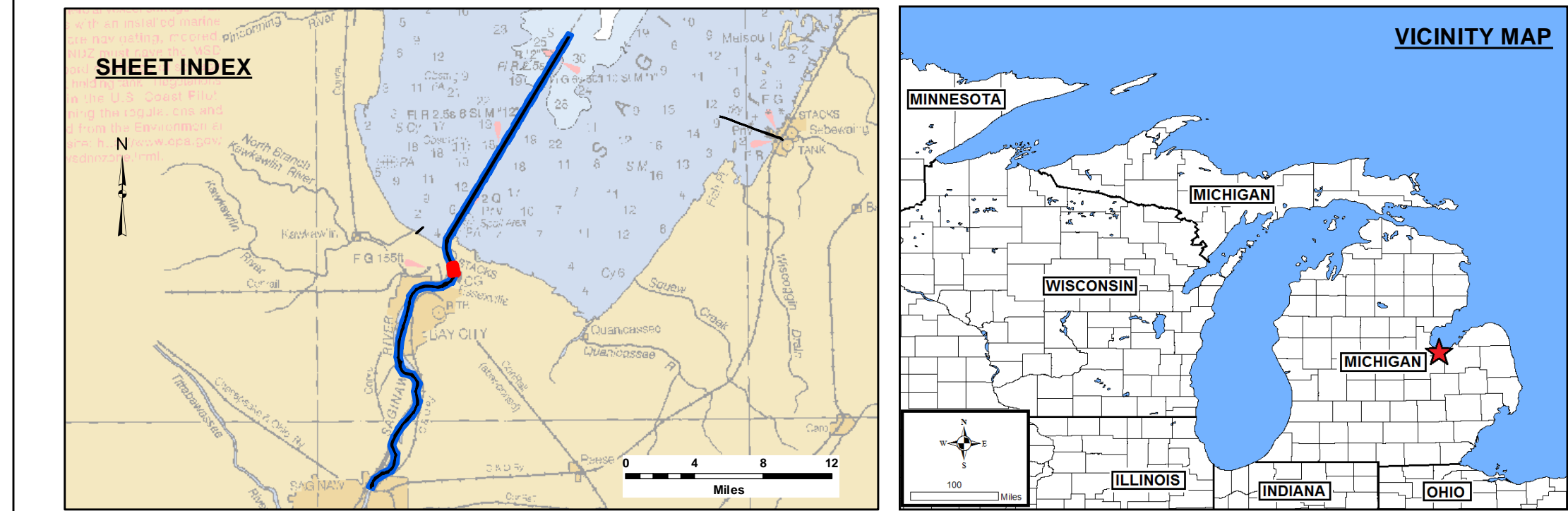
U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

| | |
|--------------|--------------|
| Submitted: | Surveyed By: |
| Recommended: | Plotted By: |
| Approved: | Checked By: |








Saginaw, MI
Saginaw River
SH_01_SAG_20210630_CS
30 June 2021

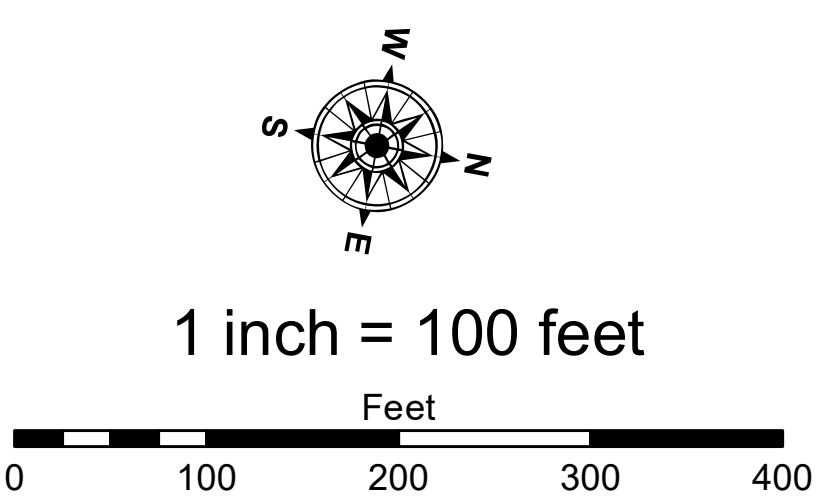
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Reference
Number
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Revision Number:
4.2 20210630



SOUNDING LEGEND

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



2010 AERIAL PHOTOGRAPHY DATA SOURCE: USGS
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U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

for:

1

Saginaw, MI

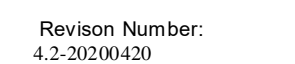
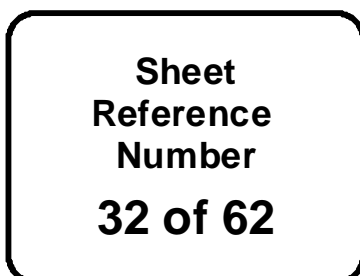
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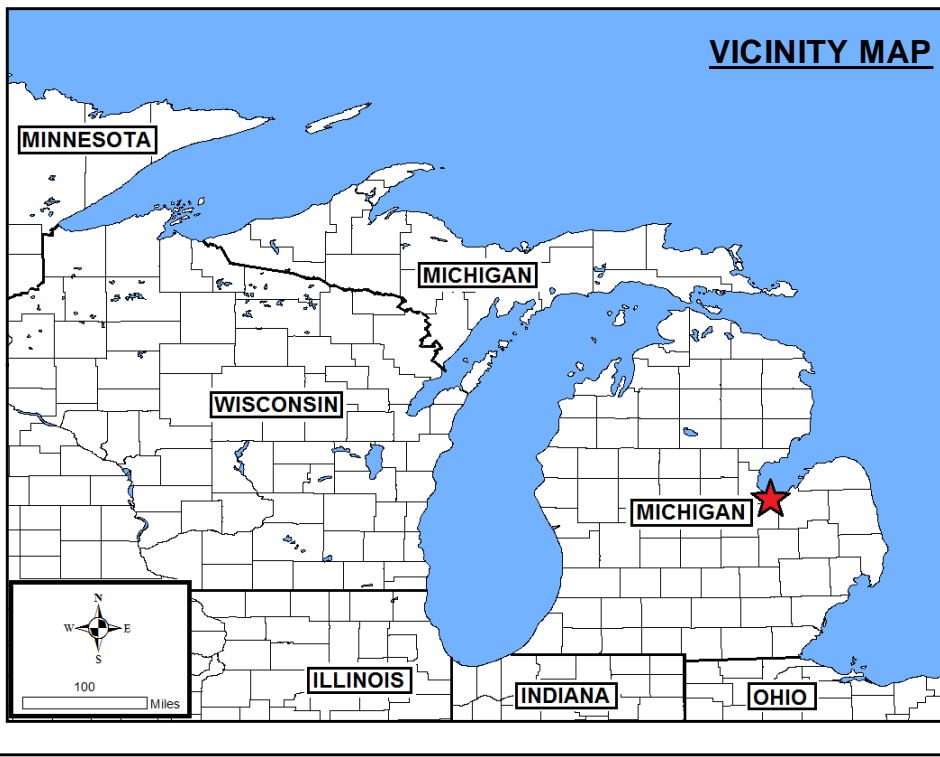
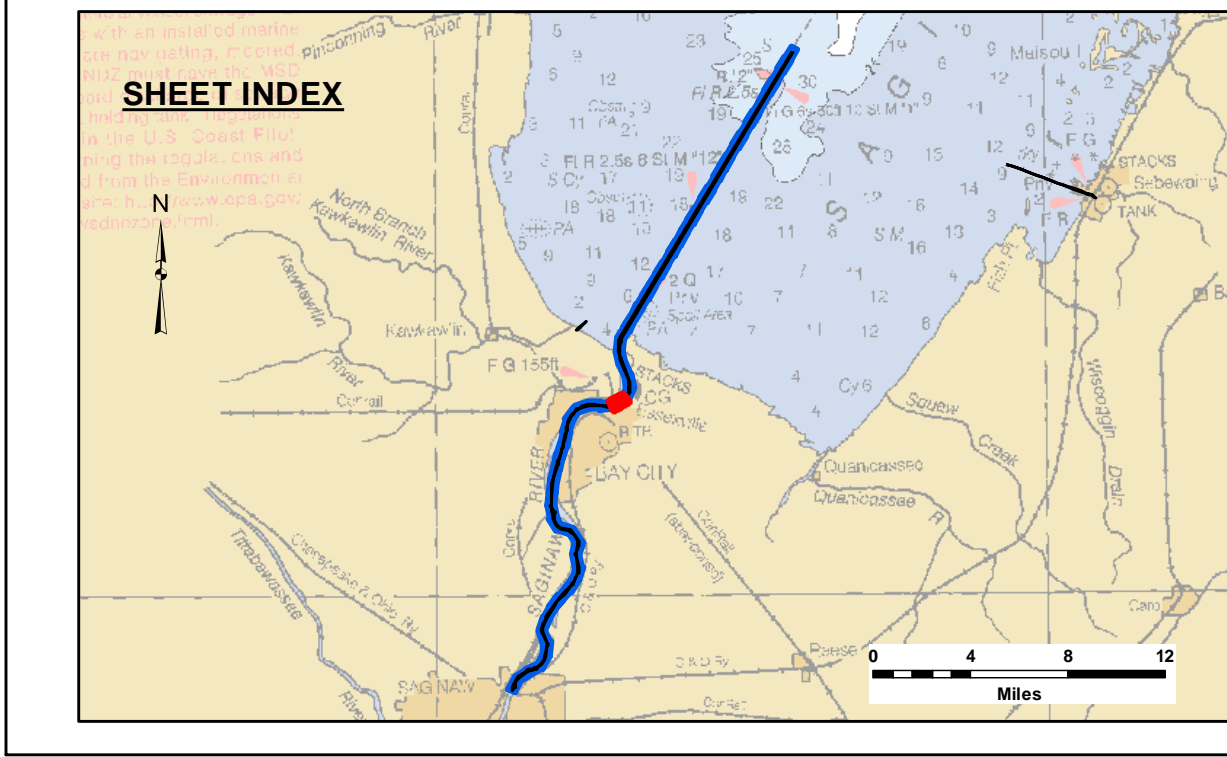
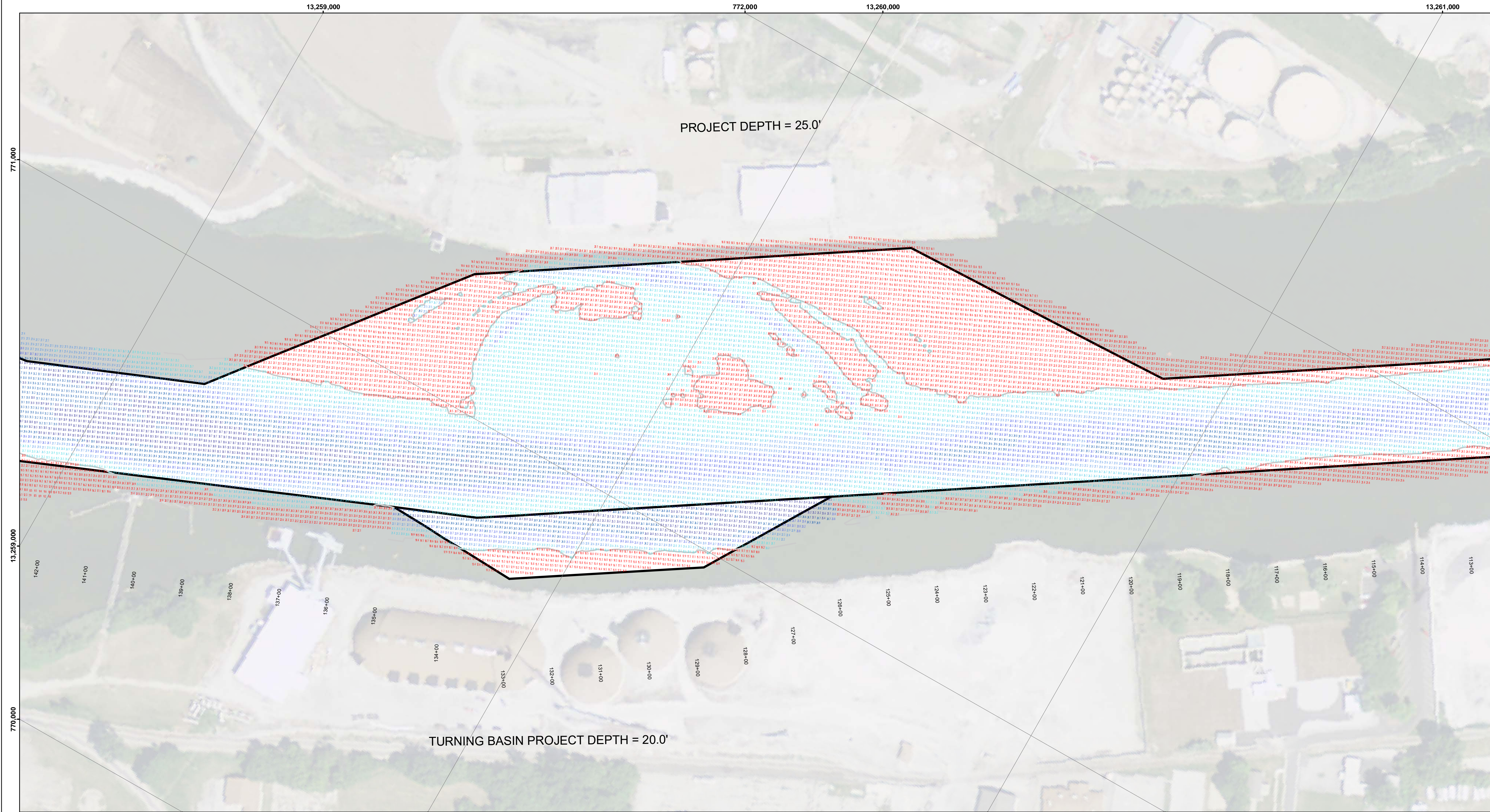
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30 June 2021

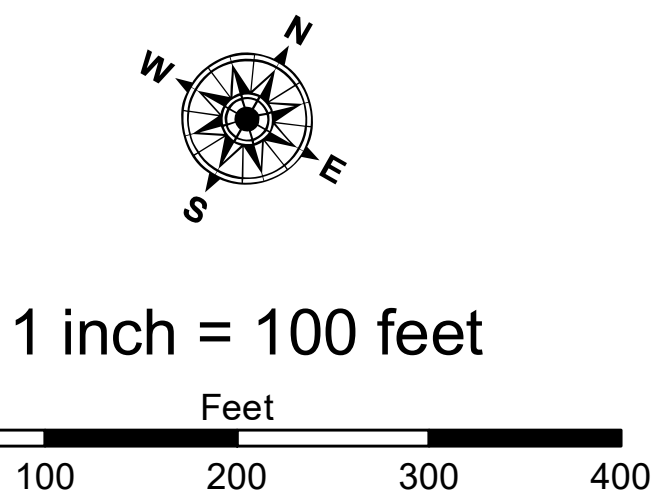
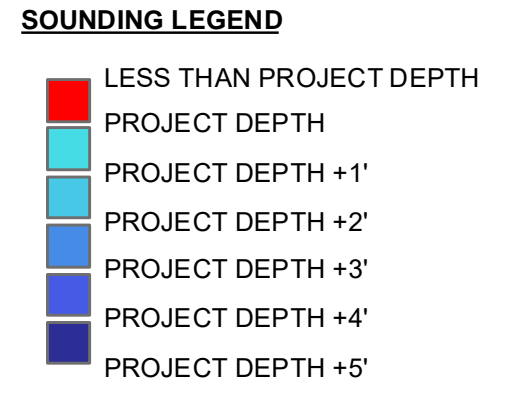
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Revision Number:
4.2-20200420





- LEGEND**
- Cable Submarine
 - - Cable Overhead
 - Placement Area
 - ⊥ Beacon, General
 - Contour Lines
 - Channel Limits



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PROJECT DEPTH RANGE FROM 20.0' TO 27.0'

TIDE VALUES ARE DERIVED FROM THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) WATER LEVEL STATIONS: ESSEXVILLE, MI (#9075038) ALONG WITH THE FOLLOWING GAGES: G. BOARD ON PILING NEAR CS 820+00, TBM ZILL RAMP, TBM CHER, TBM CASS RAMP, TBM RAILROAD (ESTABLISHED FROM COE VERTICAL CP BM 36), TBM SAIL AT THE FOOT OF THE 5TH STREET, G. BOARD ON THE D. STREAM WESTERN PIER OF THE CENTRAL MICHIGAN R.R. BRIDGE (GAGE BOARD WAS ESTABLISHED FROM NGS BM HL MON 25 USE), G. BOARD ON THE DOWNSTREAM END OF THE CENTER PIER OF THE LAKE STATE RAILROAD BRIDGE (ESTABLISHED FROM NGS BM HL MON 16 USE (PID QJ0534)), G. BOARD ON THE D. STREAM END OF THE CTR PIER OF LAKE STATE R.R. BRIDGE, G. BOARD SET ON THE PILING AT THE BLACK RIVER ON THE NORTH SIDE NEAR THE RAILROAD TRESTLE

POSITIONING: APPLANIX POS-MV4 W/ VRS/RTK OR MARINESTAR GNS.

MOTION COMPENSATION: APPLANIX POS-MV4

SONAR: R2SONIC 2024 (MULTIBEAM) OR ODOM CV-300 (SINGLEBEAM)

SOFTWARE: HYPACK

2010 AERIAL PHOTOGRAPHY DATA SOURCE: USGS

ALL COORDINATES ARE IN U. S. SURVEY FEET.

Saginaw, MI
Saginaw River
SH_01_SAG_2021022_CS
22 October 2021

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Revision Number:
4.2-20240620



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U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

Submitted: _____

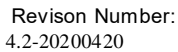
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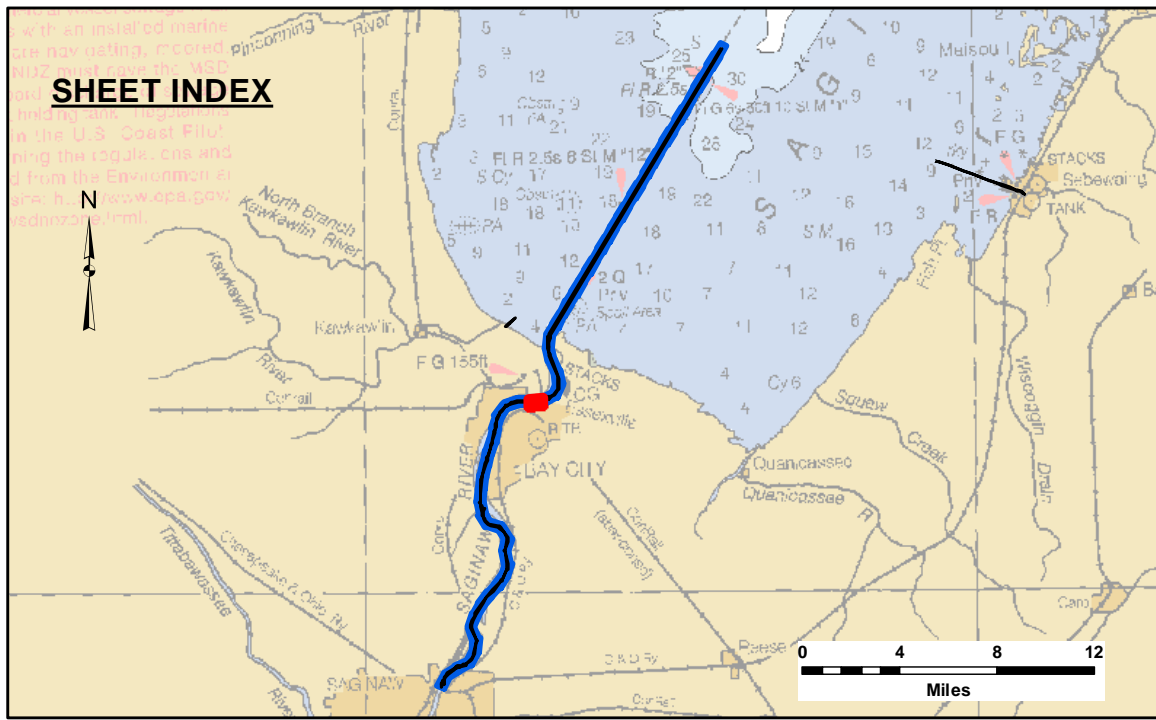
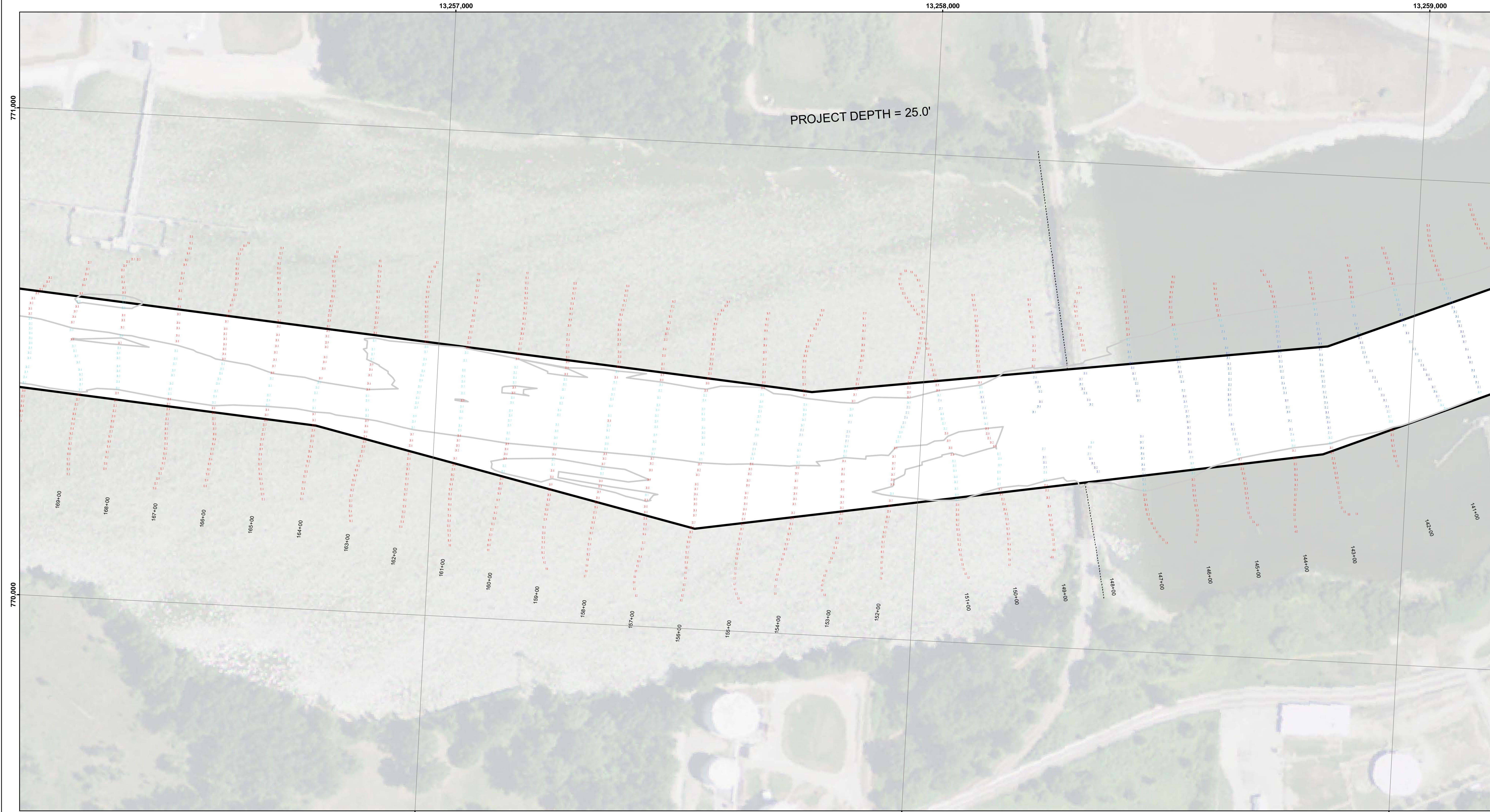
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Surveyed By: _____

Plotted By: _____

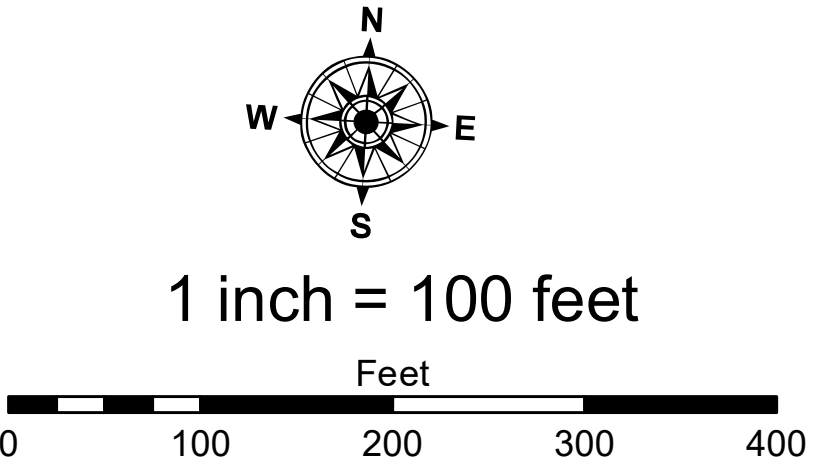
Checked By: _____





- LEGEND**
- Cable Submarine
 - - Cable Overhead
 - Placement Area
 - ⊥ Beacon, General
 - Contour Lines
 - ▭ Channel_Limits

- SOUNDING LEGEND**
- LESS THAN PROJECT DEPTH
 - PROJECT DEPTH
 - PROJECT DEPTH +1'
 - PROJECT DEPTH +2'
 - PROJECT DEPTH +3'
 - PROJECT DEPTH +4'
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TIDE VALUES ARE DERRIVED FROM THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) WATER LEVEL STATIONS: ESSEXVILLE, MI (#9075035) ALONG WITH THE FOLLOWING GAGES: G. BOARD ON PILING NEAR CS 620+00, TBM ZILL RAMP, TBM CHEB, TBM CASS RAMP, TBM RAILROAD (ESTABLISHED FROM COE VERTICAL CP BM 36), TBM SAIL AT THE FOOT OF THE 5TH STREET, G. BOARD ON THE D. STREAM WESTERN PIER OF THE CENTRAL MICHIGAN R.R. BRIDGE [GAGE BOARD WAS ESTABLISHED FROM NGS BM HL MON 25 USE], G. BOARD ON THE DOWNSTREAM END OF THE CENTER PIER OF THE LAKE STATE RAILROAD BRIDGE [ESTABLISHED FROM NGS BM HL MON 16 USE (PID QJ0534)], G. BOARD ON THE D. STREAM END OF THE CTR PIER OF LAKE STATE R.R. BRIDGE, G. BOARD SET ON THE PILING AT THE MOUTH OF THE BLACK RIVER ON THE NORTH SIDE NEAR THE RAILROAD TRESTLE

POSITIONING APPLIX POS-MV4 W/ VRS/IRTK OR MARINESTAR GNSS.
MOTION COMPENSATION: APPLIX POS-MV4
SONAR: R2SONIC 2024 (MULTIBEAM) OR ODOM CV-300 (SINGLEBEAM)
SOFTWARE: HYPACK

2010 AERIAL PHOTOGRAPHY DATA SOURCE: USGS
ALL COORDINATES ARE IN U.S. SURVEY FEET.



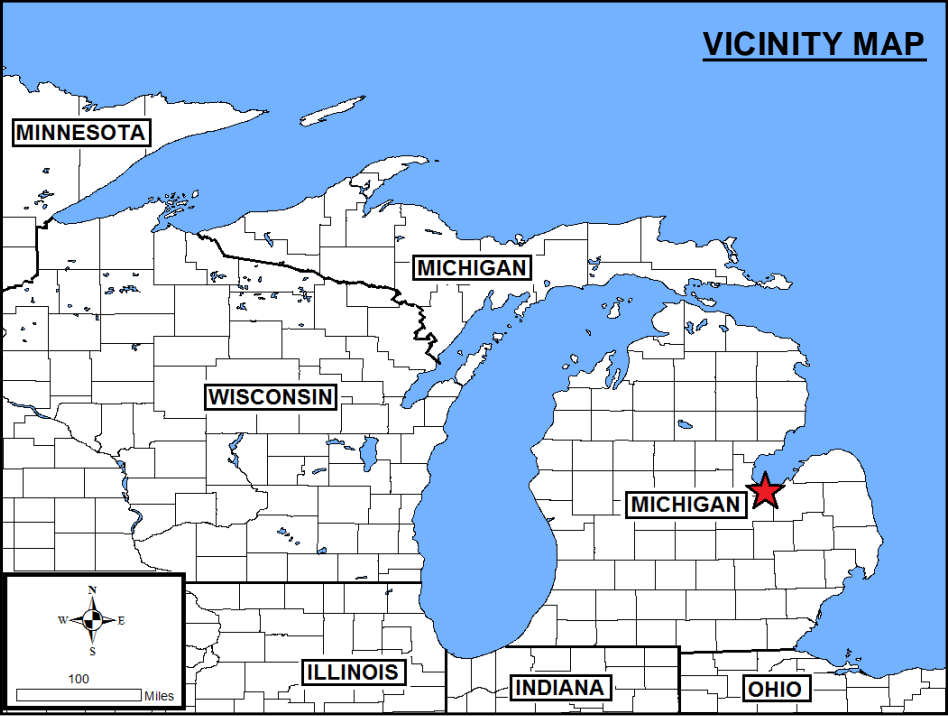
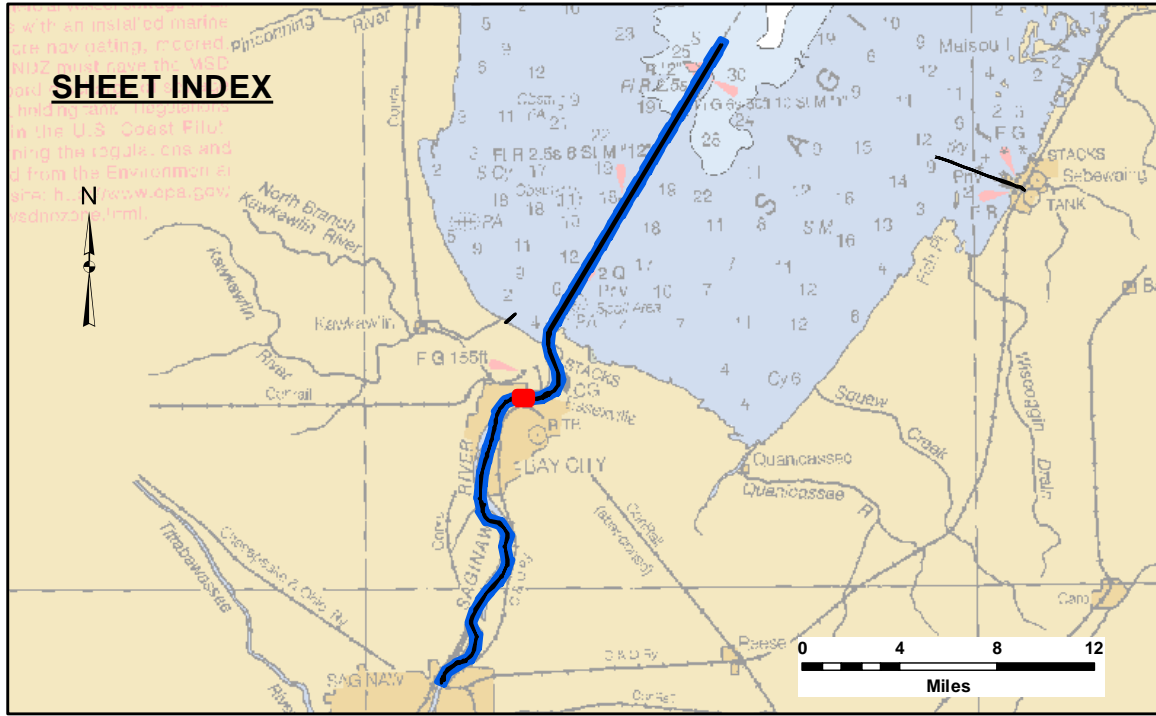
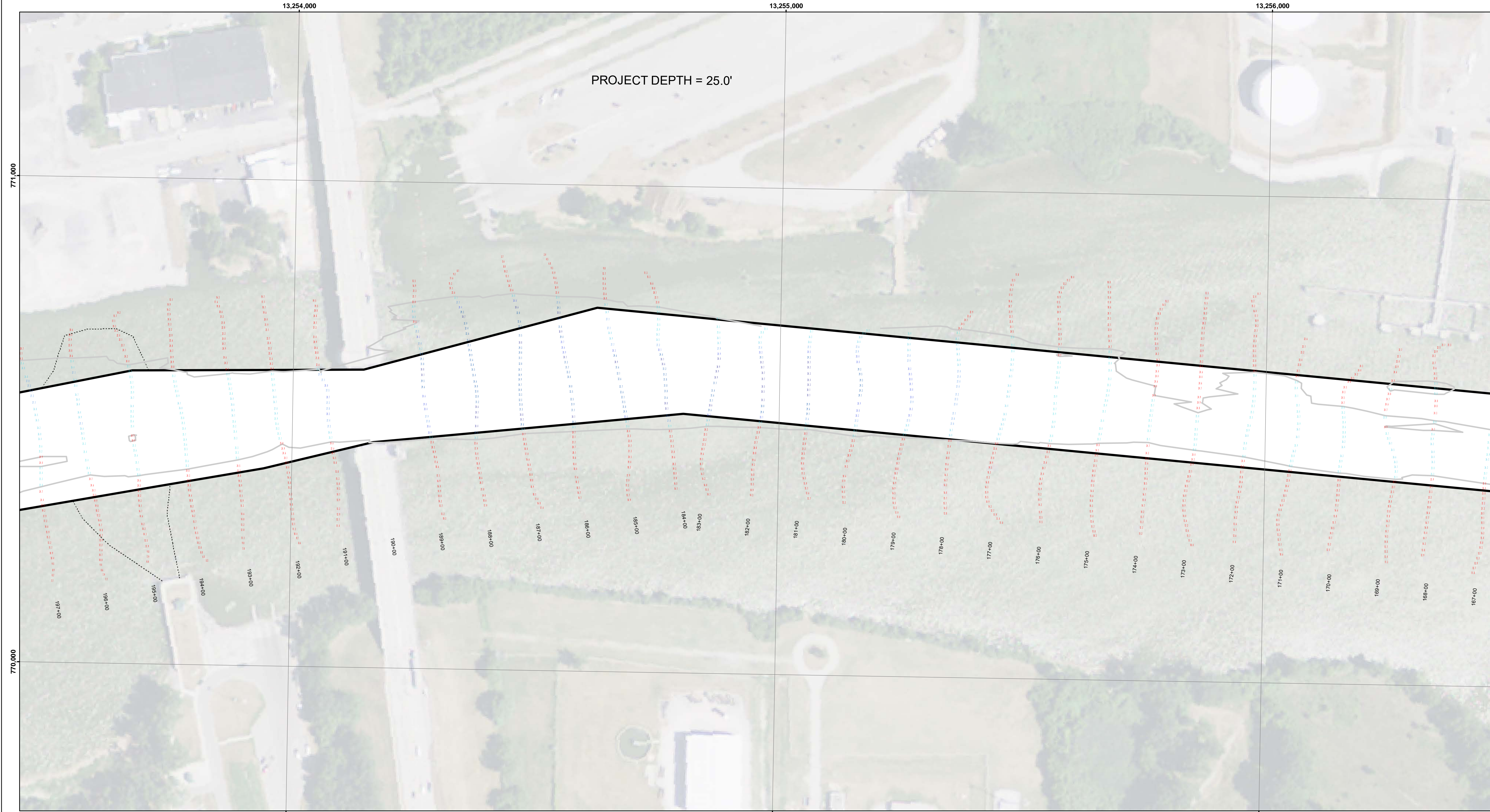
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| U.S. ARMY CORPS OF ENGINEERS DETROIT DISTRICT | Submitted: | Surveyed By: |
| | Recommended: | Plotted By: |
| | Approved: | Checked By: |

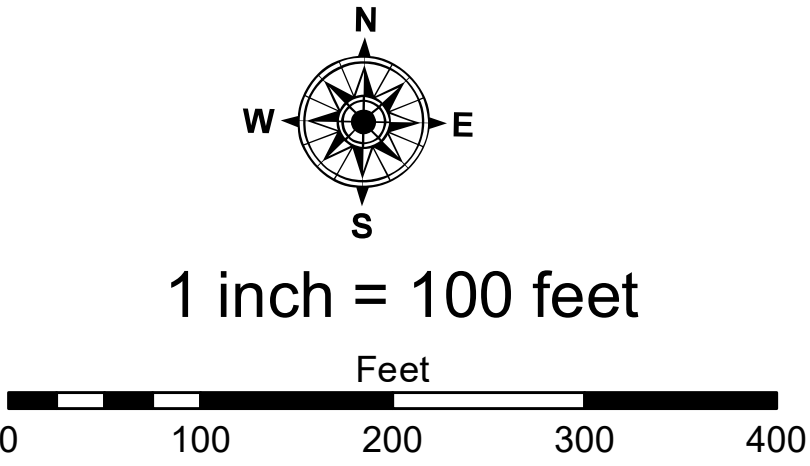
Saginaw, MI
Saginaw River
SH_01_SAG_20210630_CS
30 June 2021

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Number
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- LEGEND**
- Cable Submarine
 - - Cable Overhead
 - Placement Area
 - ⊥ Beacon, General
 - Contour Lines
 - ▭ Channel_Limits

- SOUNDING LEGEND**
- LESS THAN PROJECT DEPTH
 - PROJECT DEPTH
 - PROJECT DEPTH +1'
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POSITIONING: APPLANIX POS-MV4 W/ VRS/RTK OR MARINESTAR GNSS. MOTION COMPENSATION: APPLANIX POS-MV4 SONAR: R2SONIC 2024 (MULTIBEAM) OR ODOM CV-300 (SINGLEBEAM) SOFTWARE: HYPACK

2016 AERIAL PHOTOGRAPHY DATA SOURCE: USGS ALL COORDINATES ARE IN U.S. SURVEY FEET.



US Army Corps of Engineers
District: CELRE

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U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

Surveyed By:

Submitted:

Plotted By:

Recommended:
Chief, Survey Section

Checked By:

Approved:
Chief, Technical Services

Saginaw, MI

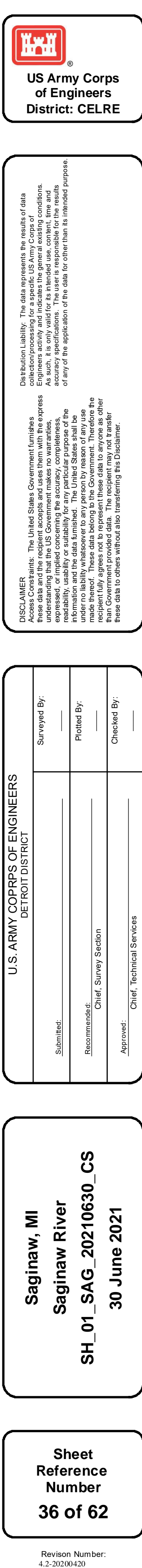
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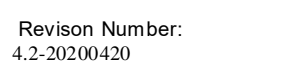
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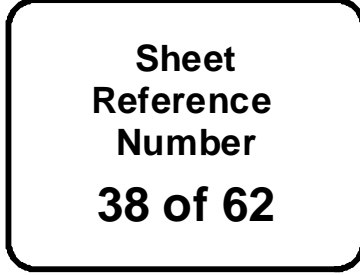
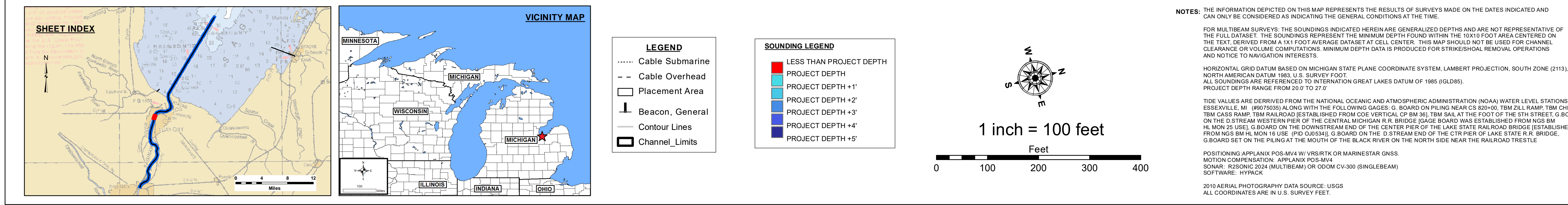
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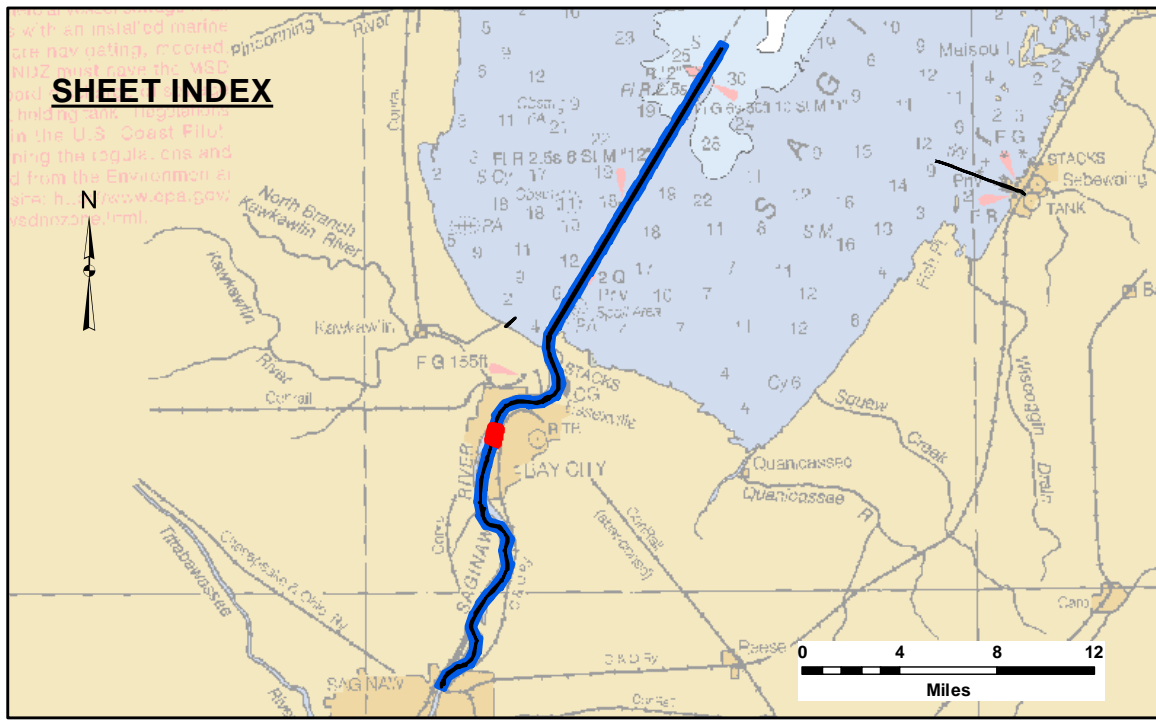
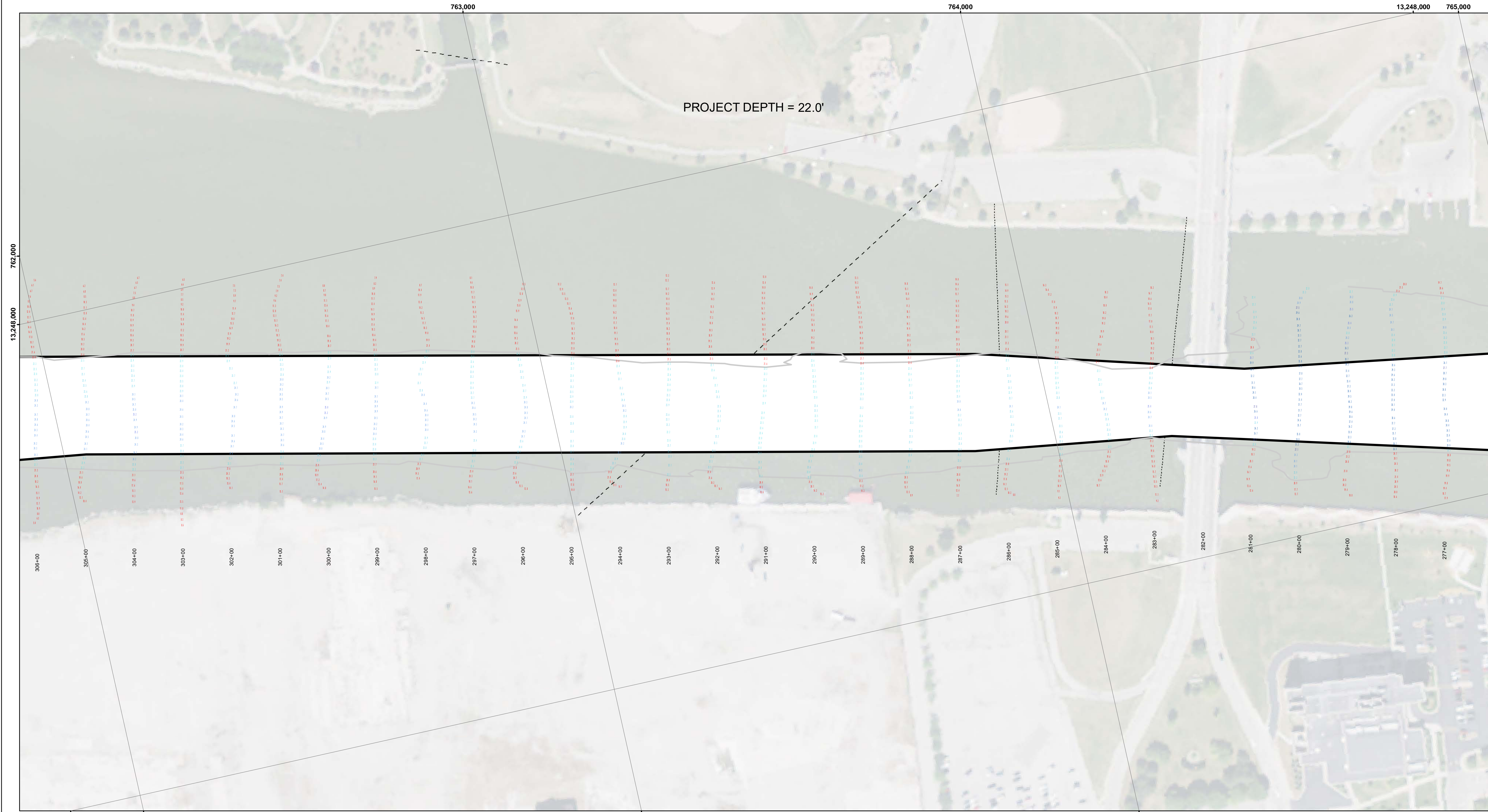
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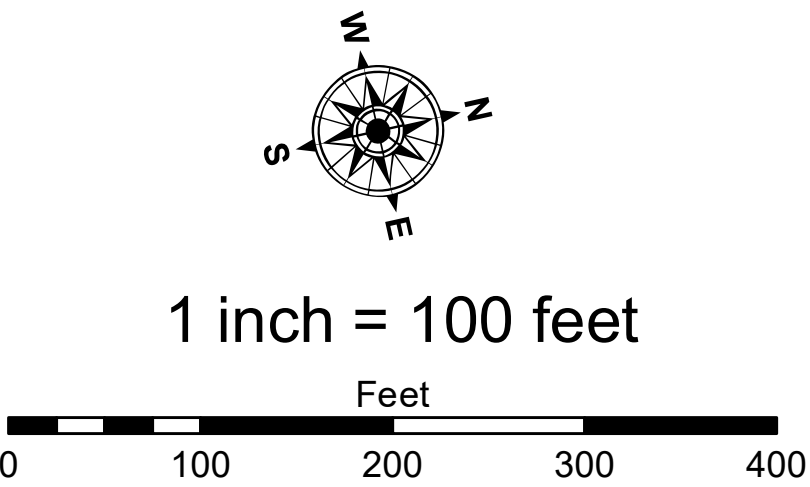


Revision Number:
4.2-20200420



- LEGEND**
- Cable Submarine
 - - Cable Overhead
 - Placement Area
 - Beacon, General
 - Contour Lines
 - Channel_Limits

- SOUNDING LEGEND**
- LESS THAN PROJECT DEPTH
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POSITIONING: APPLANIX POS-MV4 W/ VRS/RTK OR MARINESTAR GNSS.
MOTION COMPENSATION: APPLANIX POS-MV4
SONAR: R2SONIC 2024 (MULTIBEAM) OR ODOM CV-300 (SINGLEBEAM)
SOFTWARE: HYPACK

2010 AERIAL PHOTOGRAPHY DATA SOURCE: USGS
ALL COORDINATES ARE IN U.S. SURVEY FEET.



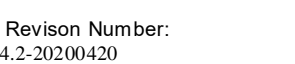
The data is publicly available. The data represents the results of data collection and processing for a specific project. The U.S. Army Corps of Engineers actively and regularly updates the general existing conditions of the project. The data is not intended for use in any other purpose of any of the application of the data for other than its intended purpose. The data is not intended for use in any other purpose of any of the application of the data for other than its intended purpose.

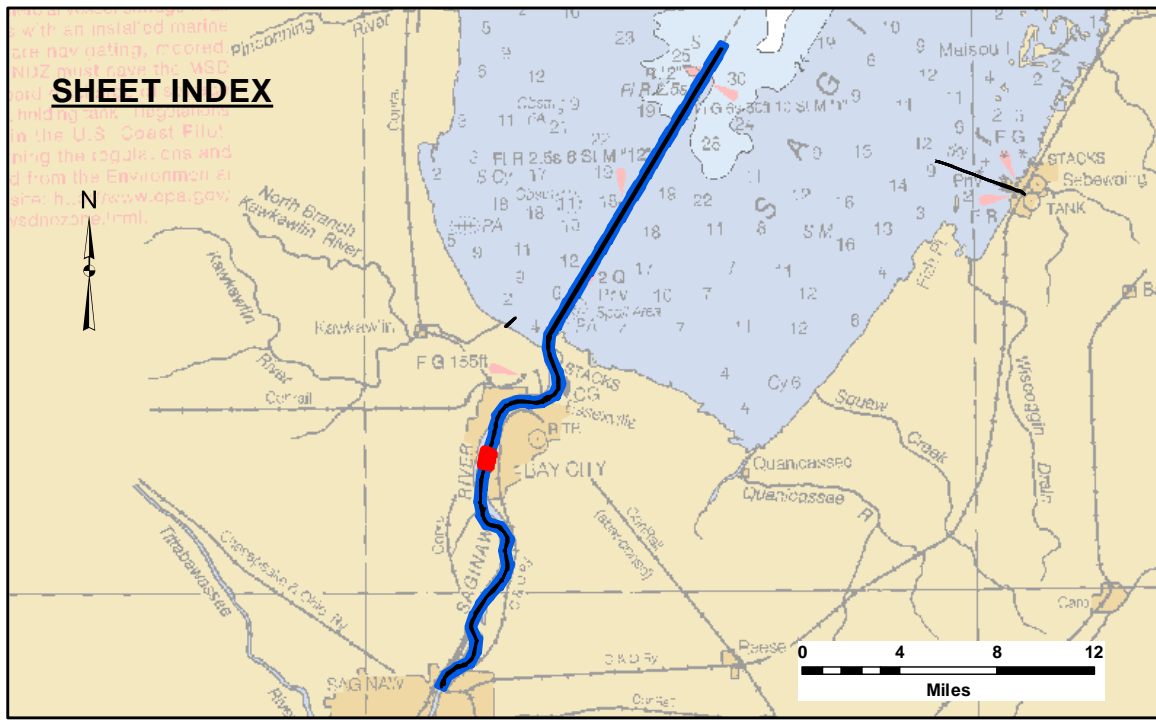
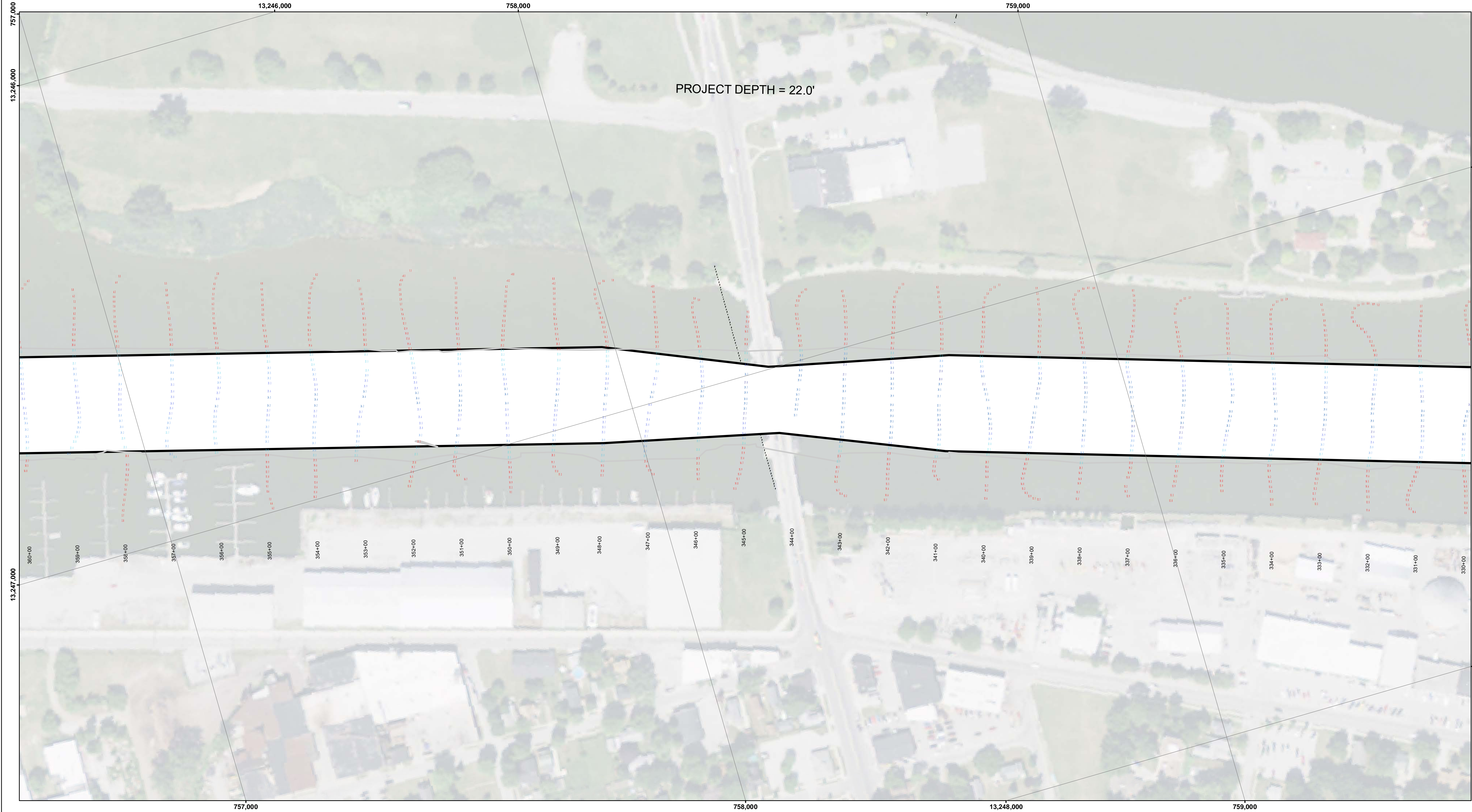
| U.S. ARMY CORPS OF ENGINEERS DETROIT DISTRICT | | |
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| Submitted: | Surveyed By: | |
| Recommended: | Plotted By: | |
| Approved: | Chief, Survey Section | |
| | Chief, Technical Services | |

Saginaw, MI
Saginaw River
SH_01_SAG_20210630_CS
30 June 2021

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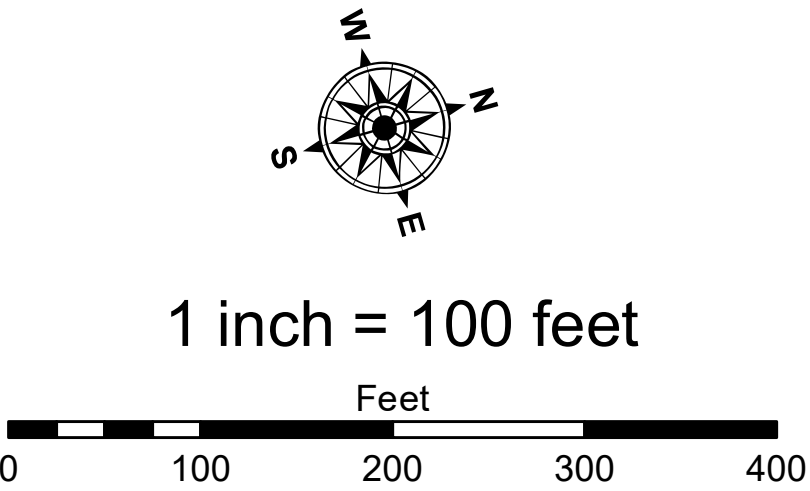
Revision Number:
4.2 20210630





- LEGEND**
- Cable Submarine
 - - Cable Overhead
 - Placement Area
 - Beacon, General
 - Contour Lines
 - Channel_Limits

- SOUNDING LEGEND**
- LESS THAN PROJECT DEPTH
 - PROJECT DEPTH
 - PROJECT DEPTH +1'
 - PROJECT DEPTH +2'
 - PROJECT DEPTH +3'
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POSITIONING: APPLANIX POS-MV4 W/ VRS/IRTK OR MARINESTAR GNSS. MOTION COMPENSATION: APPLANIX POS-MV4. SONAR: R2SONIC 2024 (MULTIBEAM) OR ODOM CV-300 (SINGLEBEAM). SOFTWARE: HYPACK

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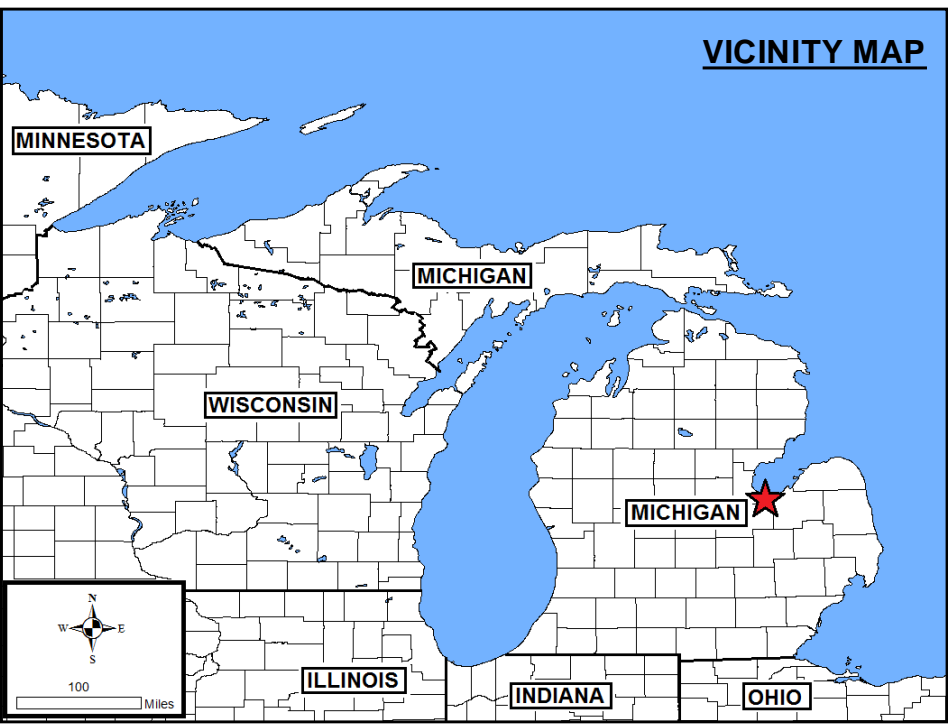
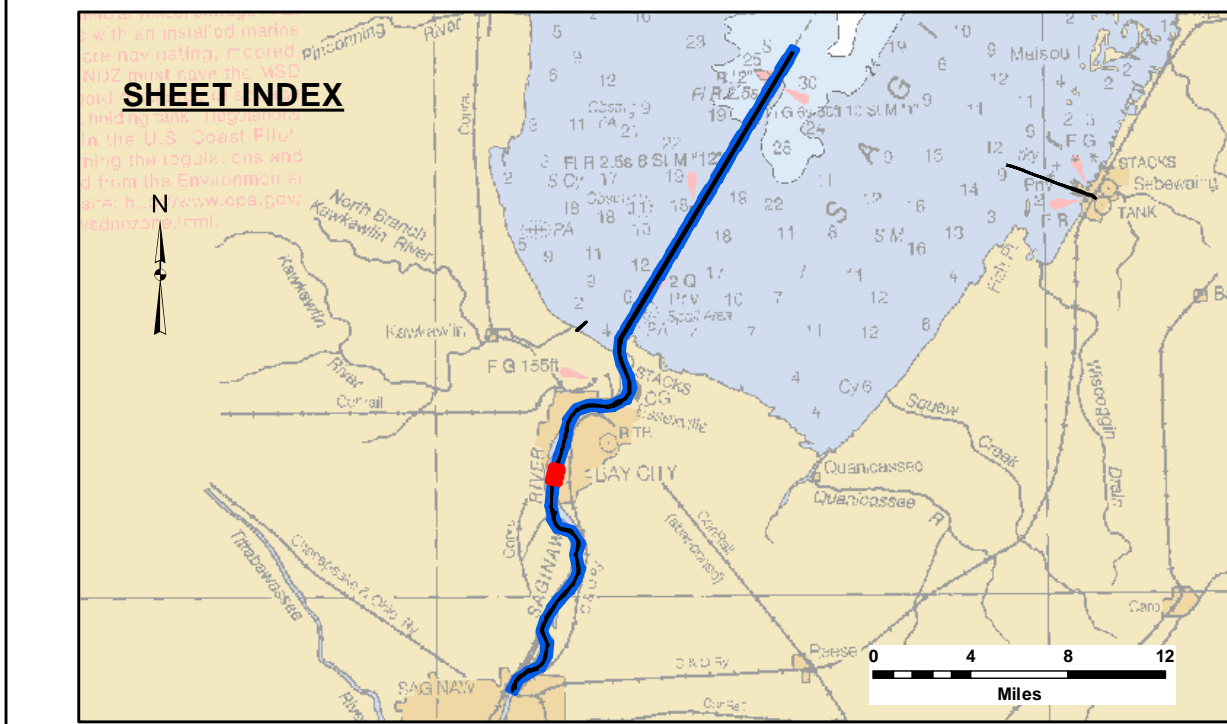
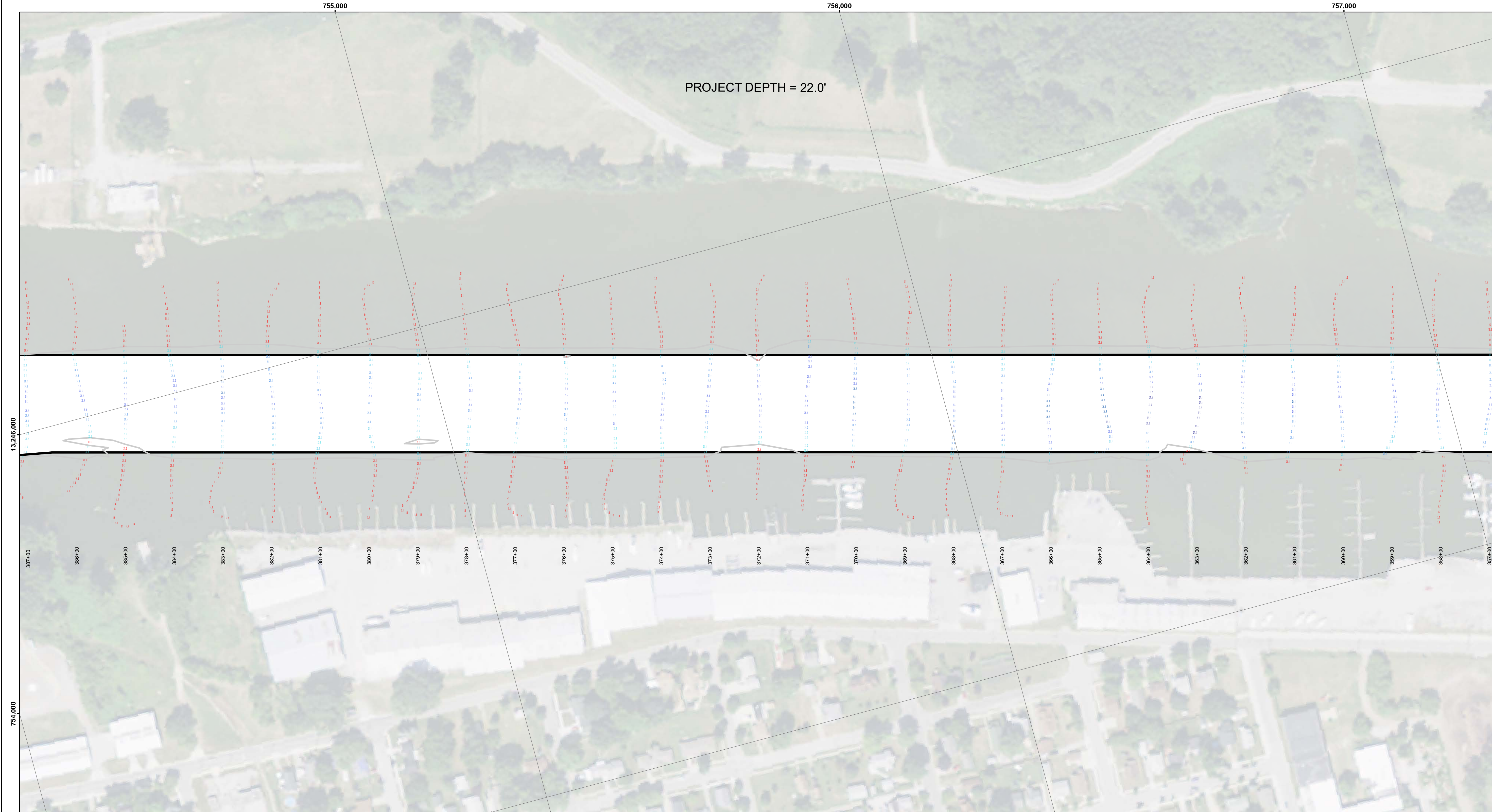
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| | Approved: _____ | Chief, Technical Services |

Saginaw, MI
Saginaw River
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30 June 2021

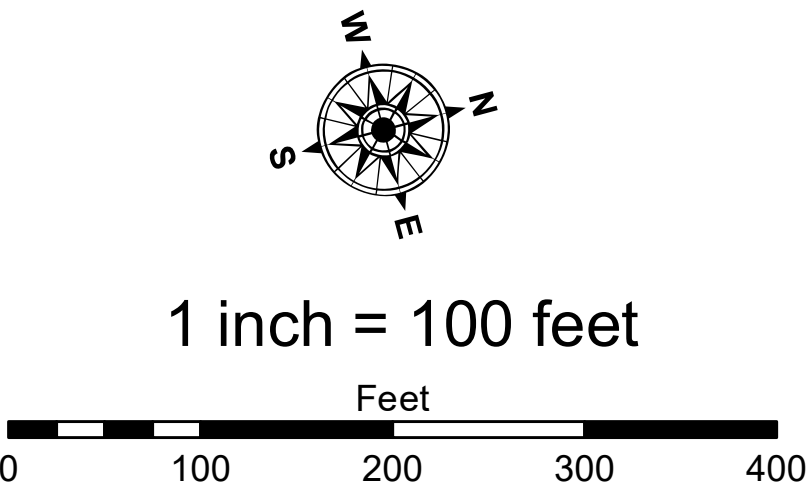
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4.2-202106/430



- LEGEND**
- Cable Submarine
 - - Cable Overhead
 - Placement Area
 - Beacon, General
 - Contour Lines
 - Channel_Limits

- SOUNDING LEGEND**
- LESS THAN PROJECT DEPTH
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POSITIONING: APPLANIX POS-MV4 W/ VRS/RTK OR MARINESTAR GNSS. MOTION COMPENSATION: APPLANIX POS-MV4 SONAR: R2SONIC 2024 (MULTIBEAM) OR ODOM CV-300 (SINGLEBEAM) SOFTWARE: HYPACK

2016 AERIAL PHOTOGRAPHY DATA SOURCE: USGS ALL COORDINATES ARE IN U.S. SURVEY FEET.



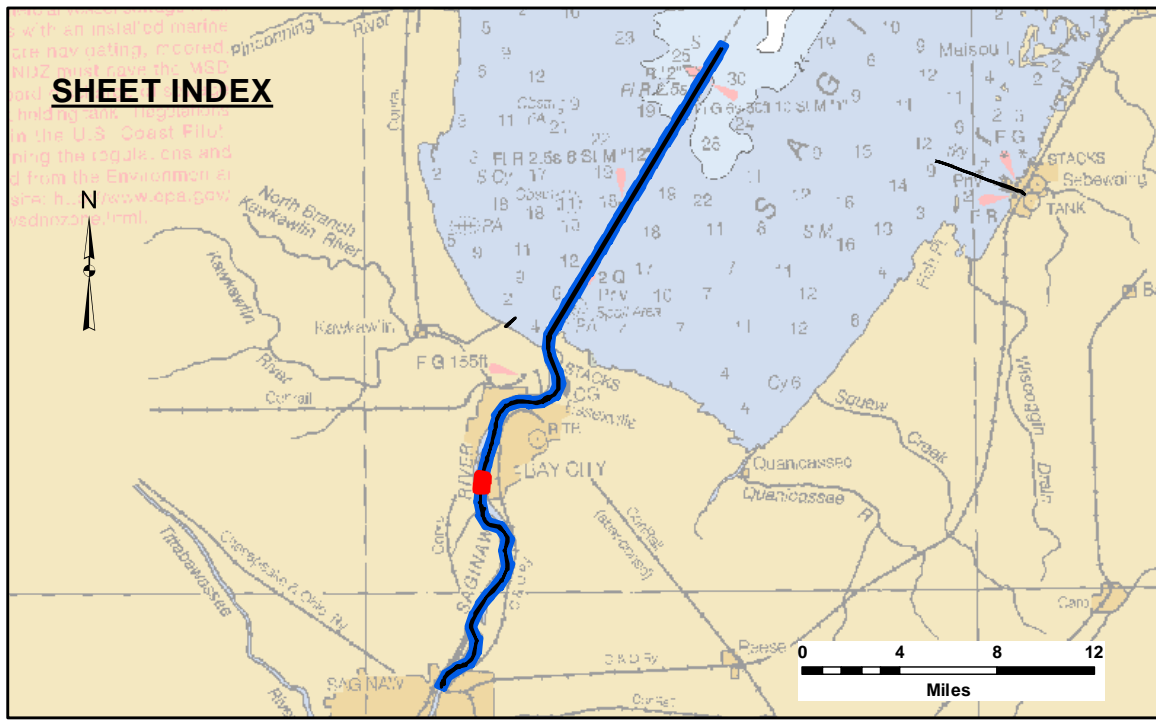
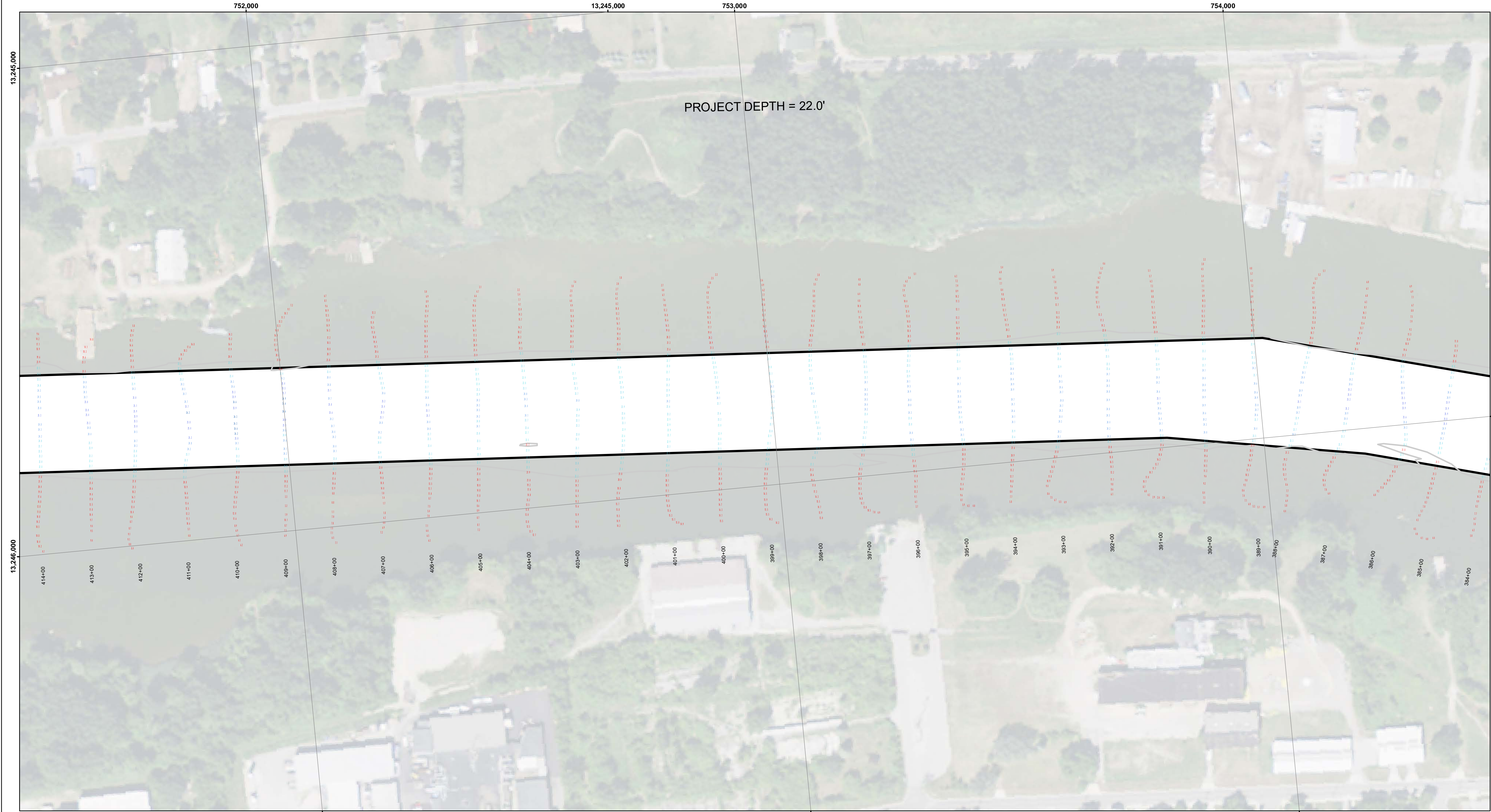
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| | Approved By: Chief, Technical Services | Checked By: _____ |

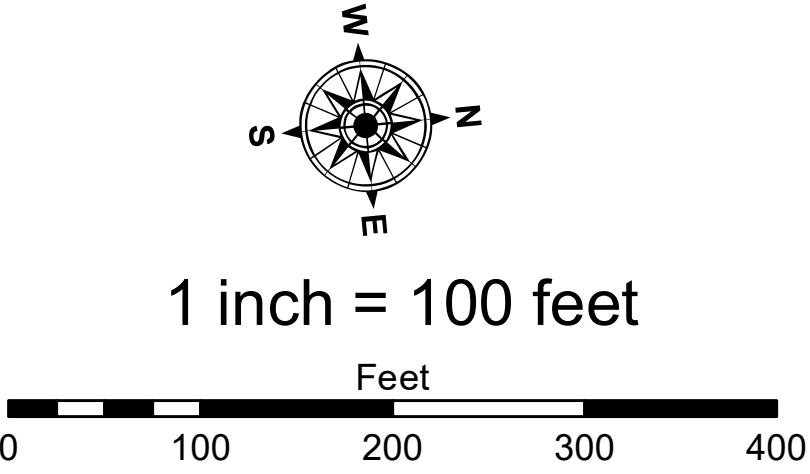
Saginaw, MI
Saginaw River
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30 June 2021

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- LEGEND**
- Cable Submarine
 - - Cable Overhead
 - Placement Area
 - ⊥ Beacon, General
 - Contour Lines
 - ▭ Channel_Limits

- SOUNDING LEGEND**
- LESS THAN PROJECT DEPTH
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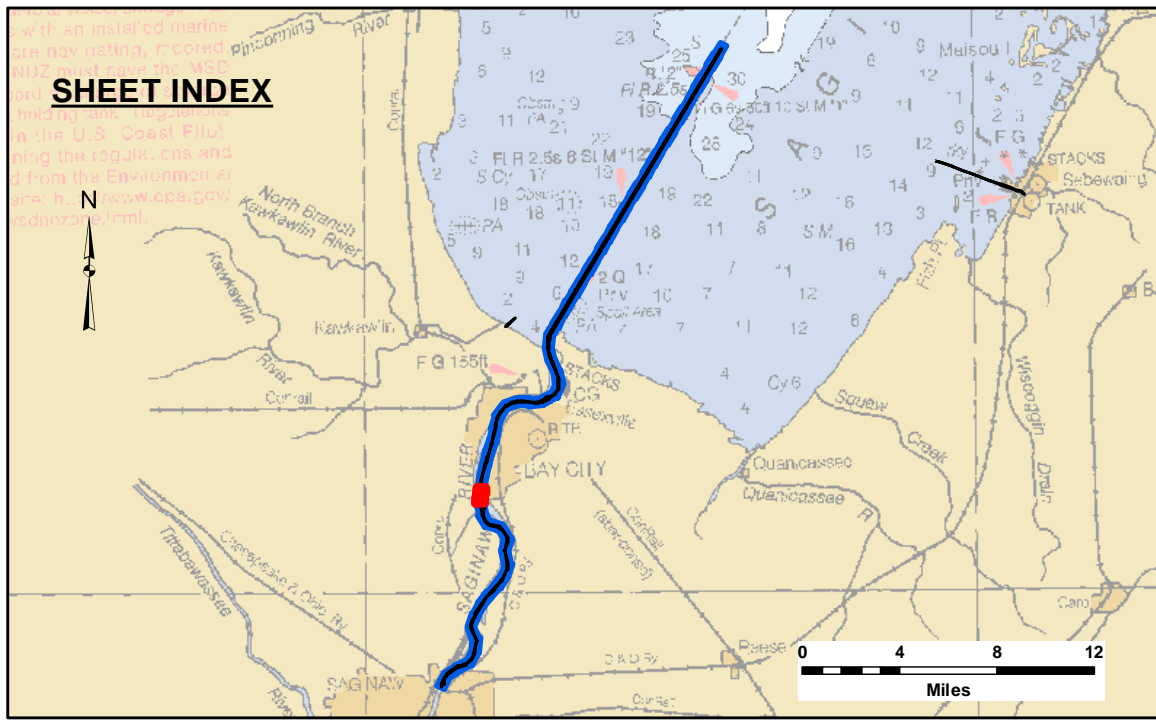
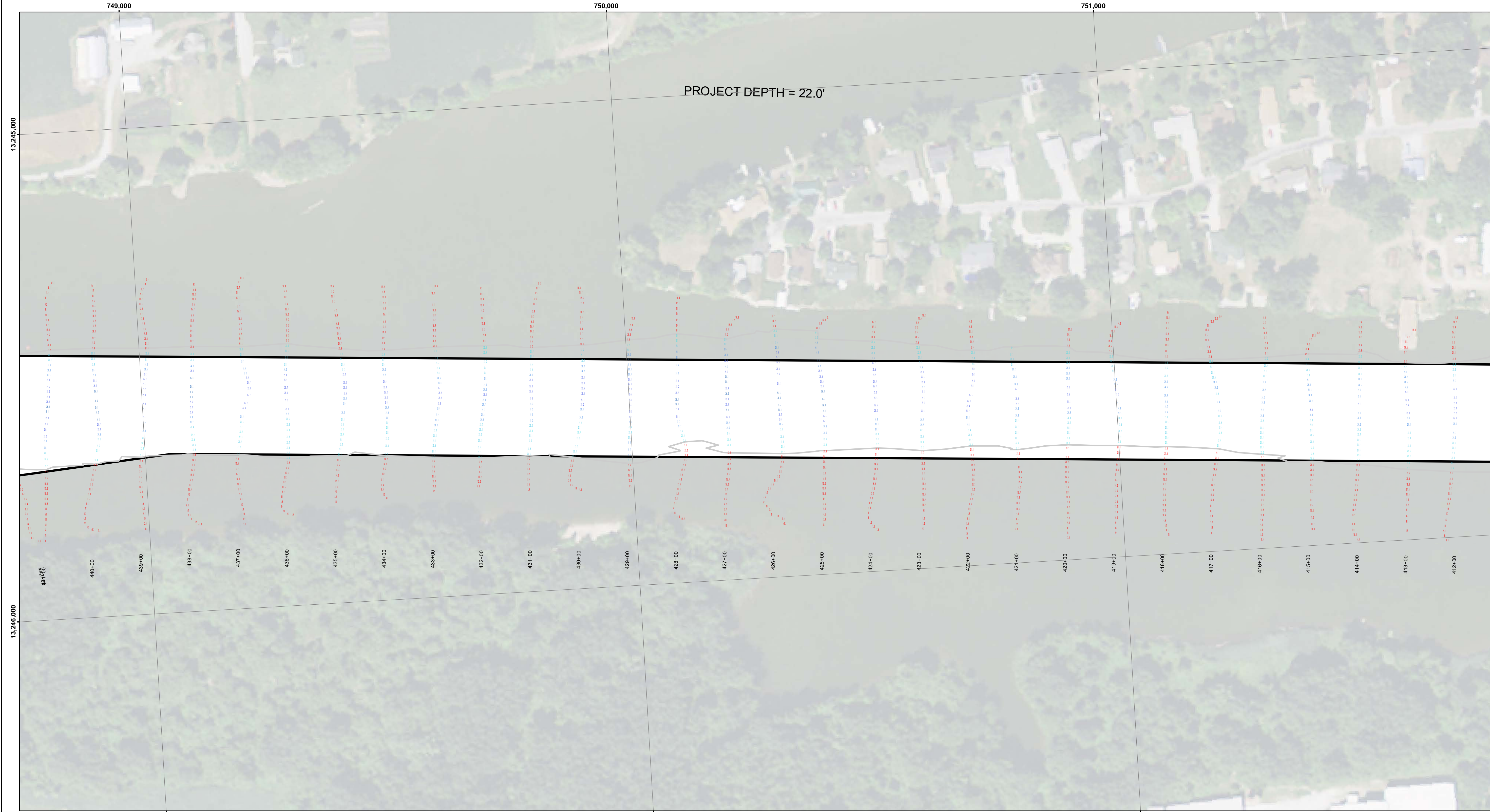
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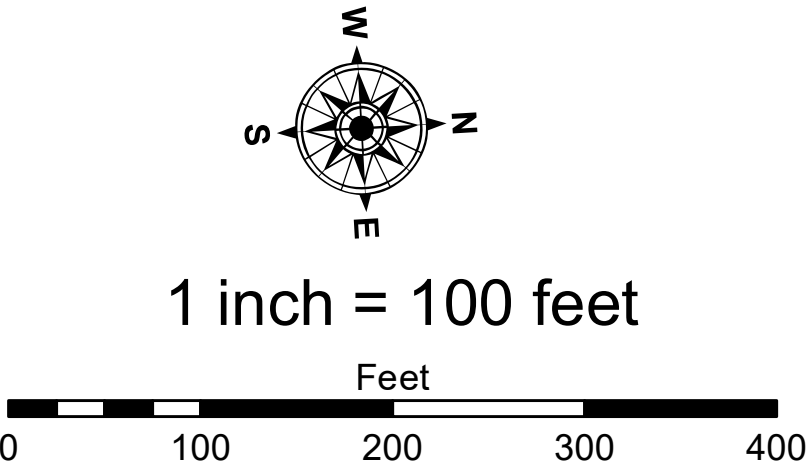
Saginaw, MI
Saginaw River
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30 June 2021

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- LEGEND**
- Cable Submarine
 - - - Cable Overhead
 - Placement Area
 - ⊥ Beacon, General
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- SOUNDING LEGEND**
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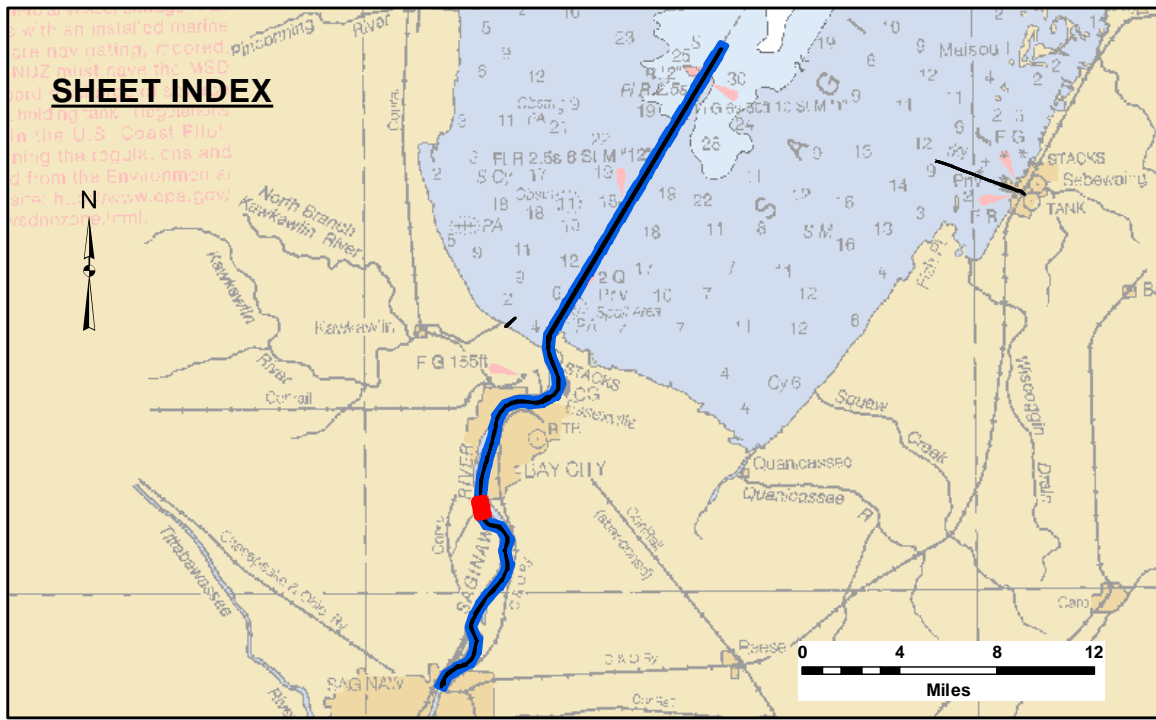
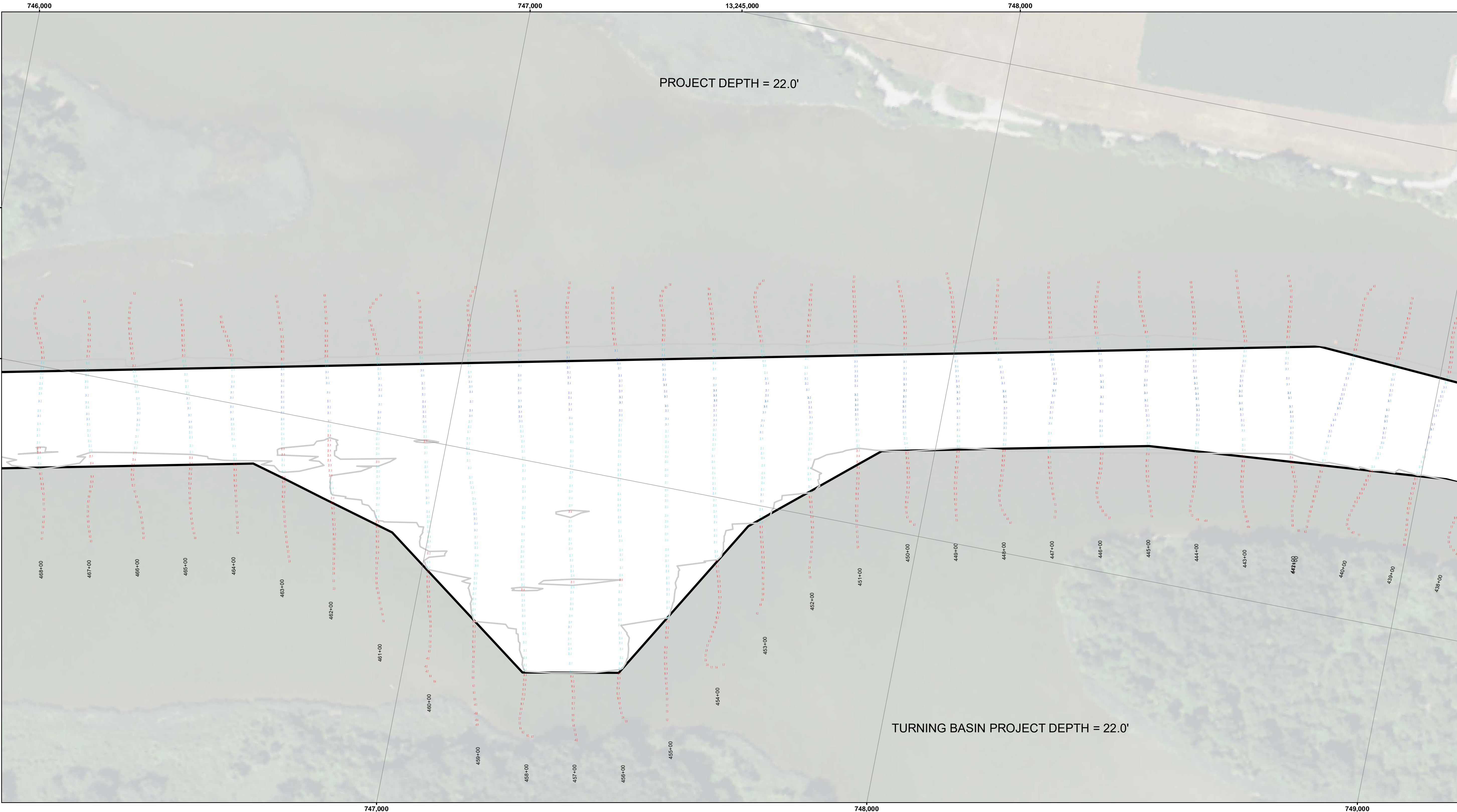
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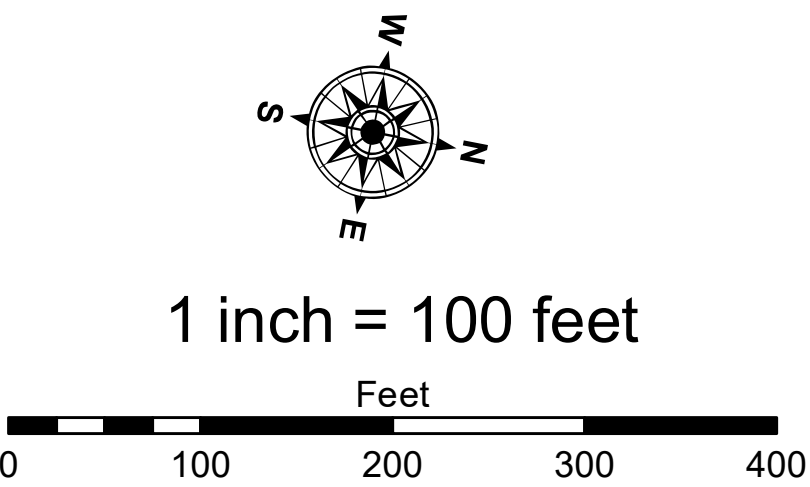
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- LEGEND**
- Cable Submarine
 - - Cable Overhead
 - Placement Area
 - ┆ Beacon, General
 - Contour Lines
 - ▭ Channel_Limits

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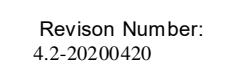
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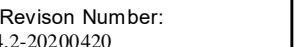
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| U.S. ARMY CORPS OF ENGINEERS DETROIT DISTRICT | Submitted: | Surveyed By: |
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Saginaw, MI
Saginaw River
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Revision Number:
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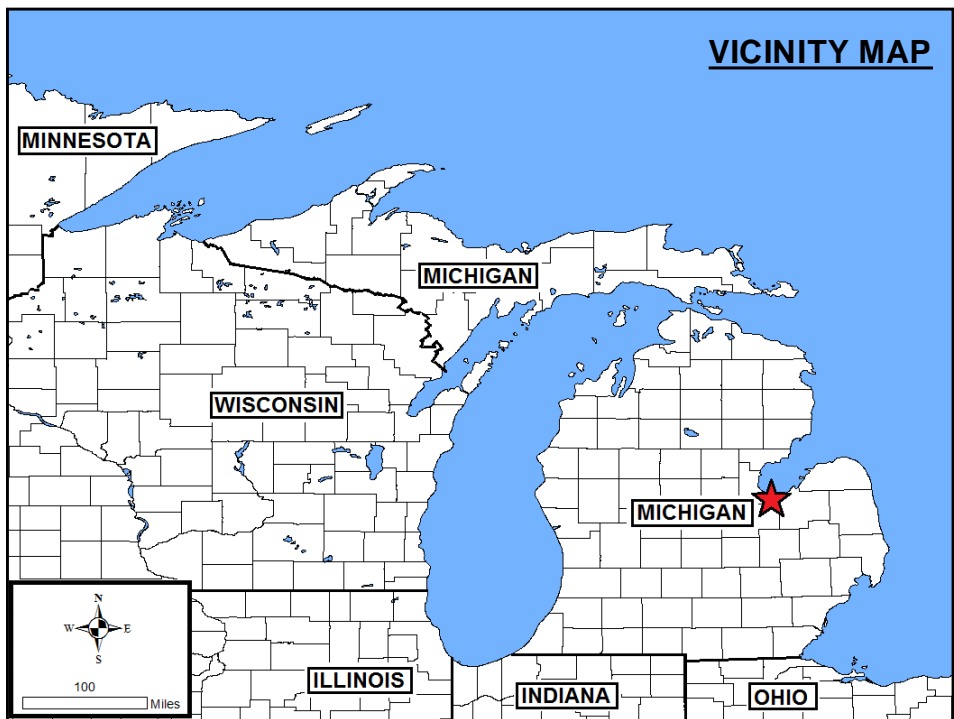
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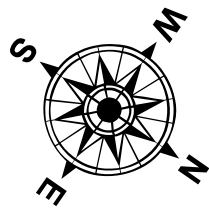
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Revision Number:
4.2-20200420

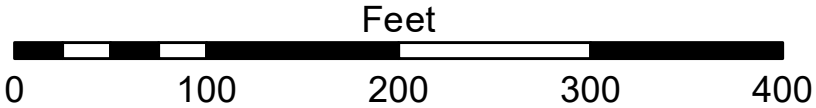


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|  | PROJECT DEPTH +5' |



1 inch = 100 feet



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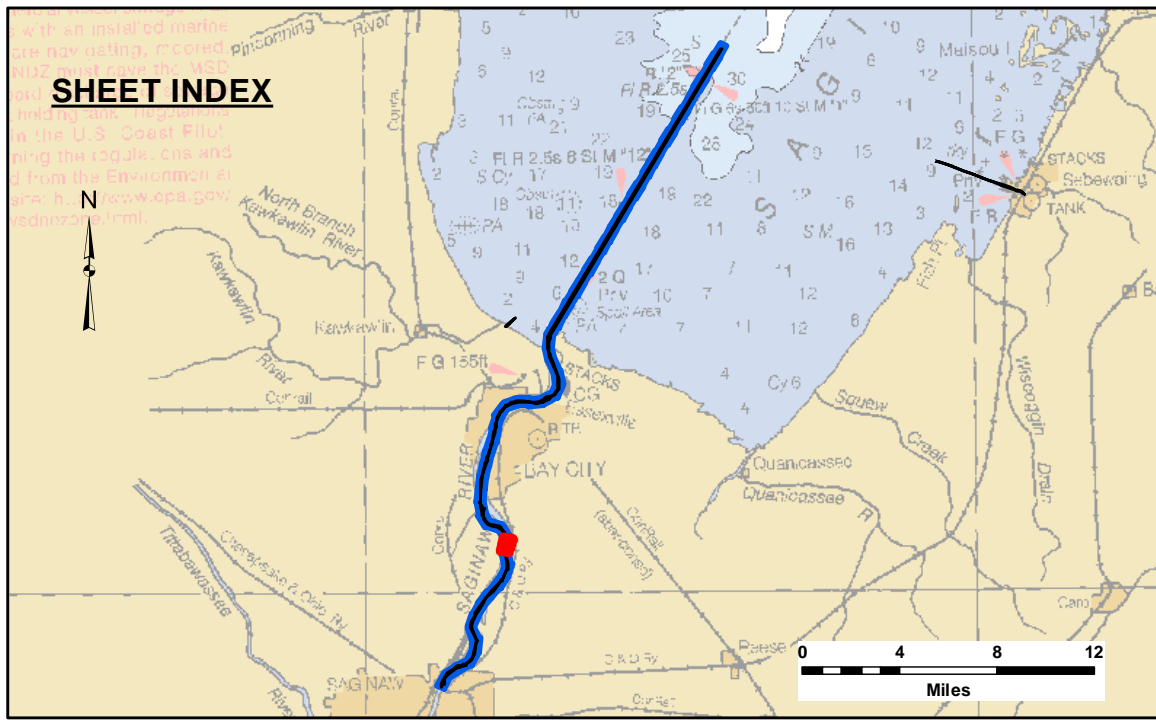
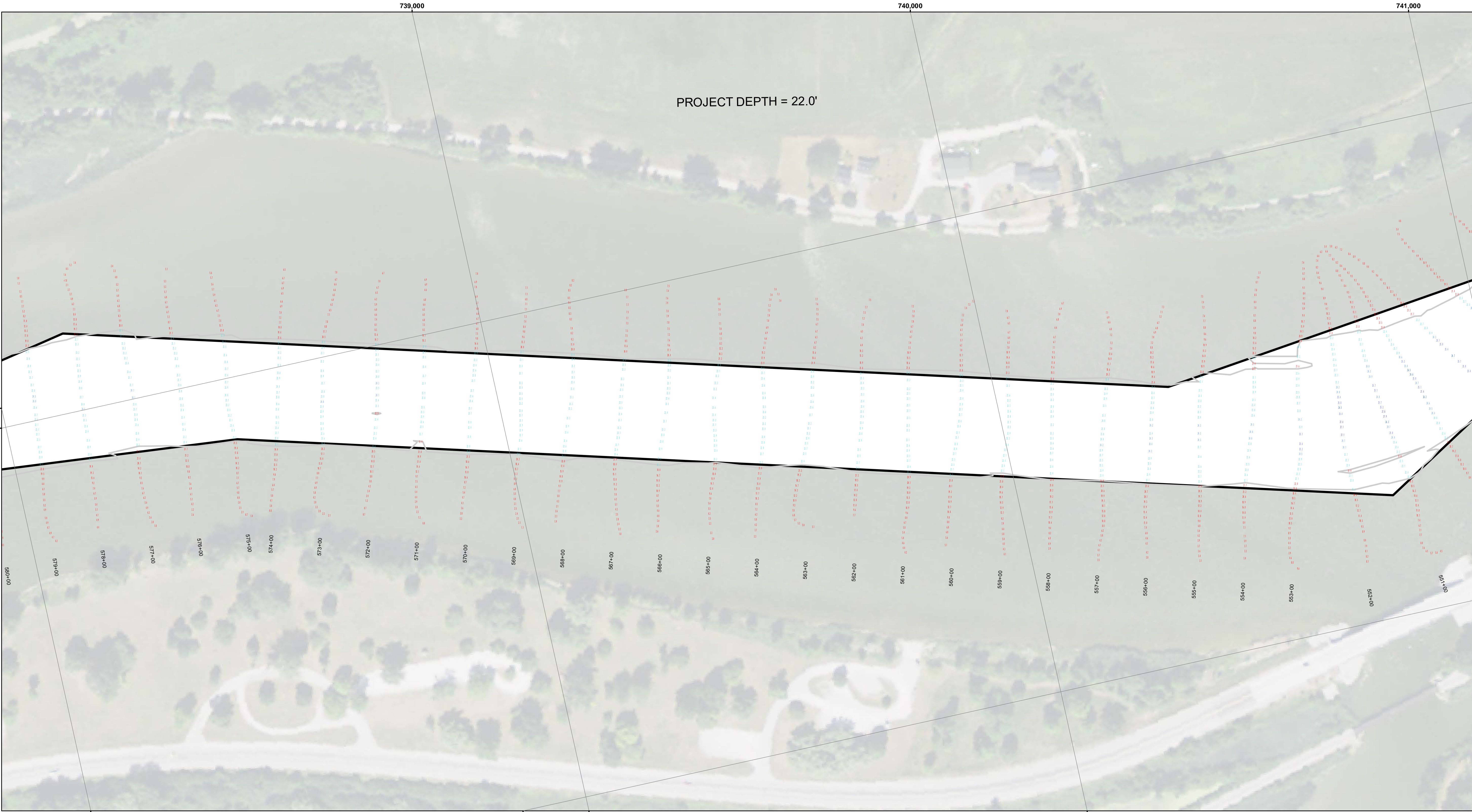
FOR MULTIBEAM SURVEYS: THE SOUNDINGS INDICATED HEREIN ARE GENERALIZED DEPTHS AND ARE NOT REPRESENTATIVE OF THE FULL DATASET. THE SOUNDINGS REPRESENT THE MINIMUM DEPTH FOUND WITHIN THE 10X10 FOOT AREA CENTERED ON THE TEXT, DERIVED FROM A 1X1 FOOT AVERAGE DATASET AT CELL CENTER. THIS MAP SHOULD NOT BE USED FOR CHANNEL CLEARANCE OR VOLUME COMPUTATIONS. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SOAL REMOVAL OPERATIONS AND NOTICE TO NAVIGATION INTERESTS.

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NORTH AMERICAN DATUM 1983, U.S. SURVEY FOOT.
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PROJECT DEPTH RANGE FROM 20.0' TO 27.0'

THE VALUES ARE DERIVED FROM THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) WATER LEVEL STATION 8582000, ELLEAU, MI (#9075035) ALONG WITH THE FOLLOWING GAGES: G. BOARD ON PILING NEAR SC 820-00, TBM ZILL RAMP, TBM CASS RAMP, TBM RAILROAD (ESTABLISHED FROM COE VERTICAL CP 36), TBM SAIL AT THE FOOT OF THE 5TH STREET, G. B. BOARD ON THE D. STREAM WESTERN PIER OF THE CENTRAL MICHIGAN R.R. BRIDGE (GAGE BOARD WAS ESTABLISHED FROM NGS BM 1000.00 ON THE PILING AT THE 5TH STREET), G. BOARD ON THE D. STREAM END OF THE CTR. PIER OF LAKE STATE R.R. BRIDGE (G. BOARD SET ON THE PILING AT THE JUNCTION OF THE BLACK RIVER ON THE NORTH SIDE NEAR THE RAILROAD TRUSTEE

POSITIONING: APPLANIX POS-MV4 W/ VRS/RTK OR MARINESTAR GNSS.
MOTION COMPENSATION: APPLANIX POS-MV4
SONAR: R2SONIC 2024 (MULTIBEAM) OR ODOM CV-300 (SINGLEBEAM)
SOFTWARE: HYPACK

2010 AERIAL PHOTOGRAPHY DATA SOURCE: USGS
ALL COORDINATES ARE IN U.S. SURVEY FEET.



LEGEND

- Cable Submarine
- - Cable Overhead
- Placement Area
- Beacon, General
- 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 = 100 feet

Feet

0 100 200 300 400

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POSITIONING: APPLANIX POS-MV4 W/ VRS/RTK OR MARINESTAR GNSS. MOTION COMPENSATION: APPLANIX POS-MV4 SONAR: R2SONIC 2024 (MULTIBEAM) OR ODOM CV-300 (SINGLEBEAM) SOFTWARE: HYPACK

2016 AERIAL PHOTOGRAPHY DATA SOURCE: USGS ALL COORDINATES ARE IN U.S. SURVEY FEET.



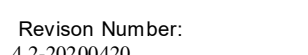
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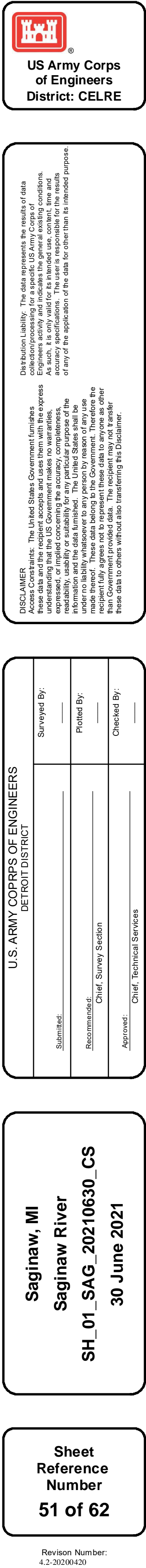
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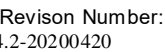
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| | Checked By: |
| Recommended: Chief, Survey Section | |
| Approved: Chief, Technical Services | |

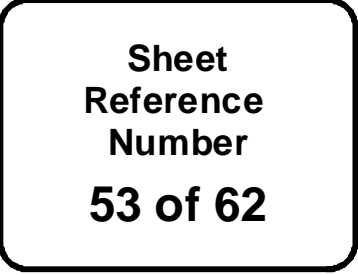
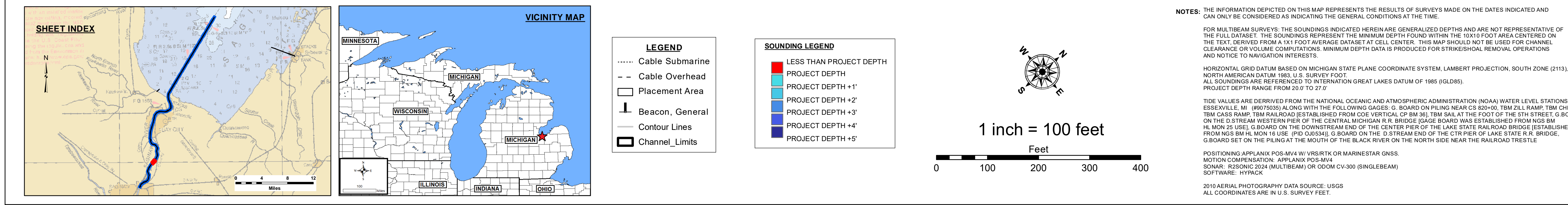
Saginaw, MI
Saginaw River
SH_01_SAG_20210630_CS
30 June 2021

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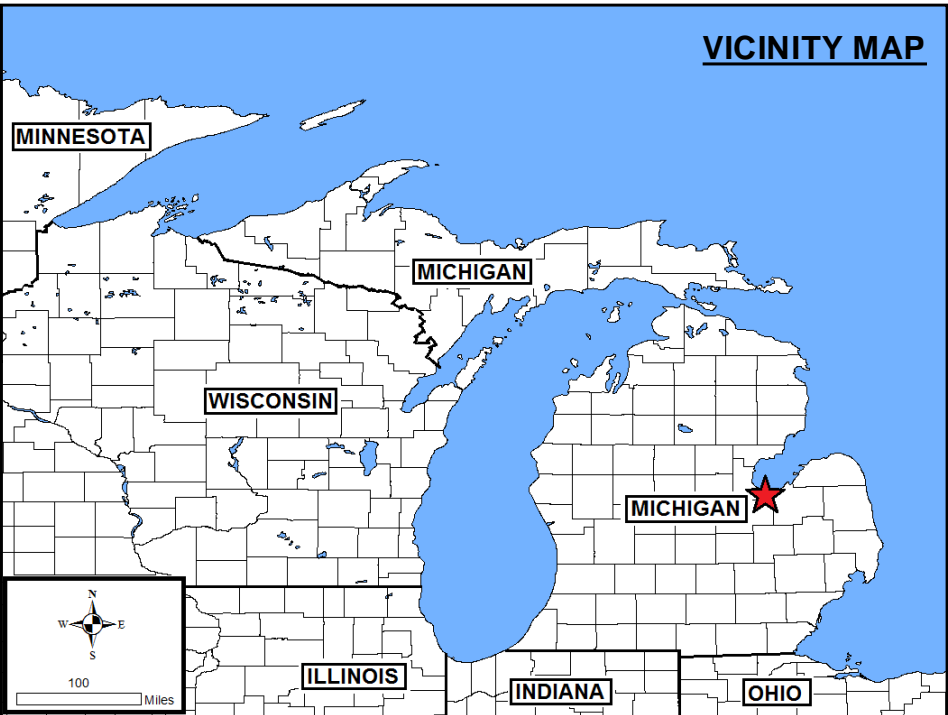
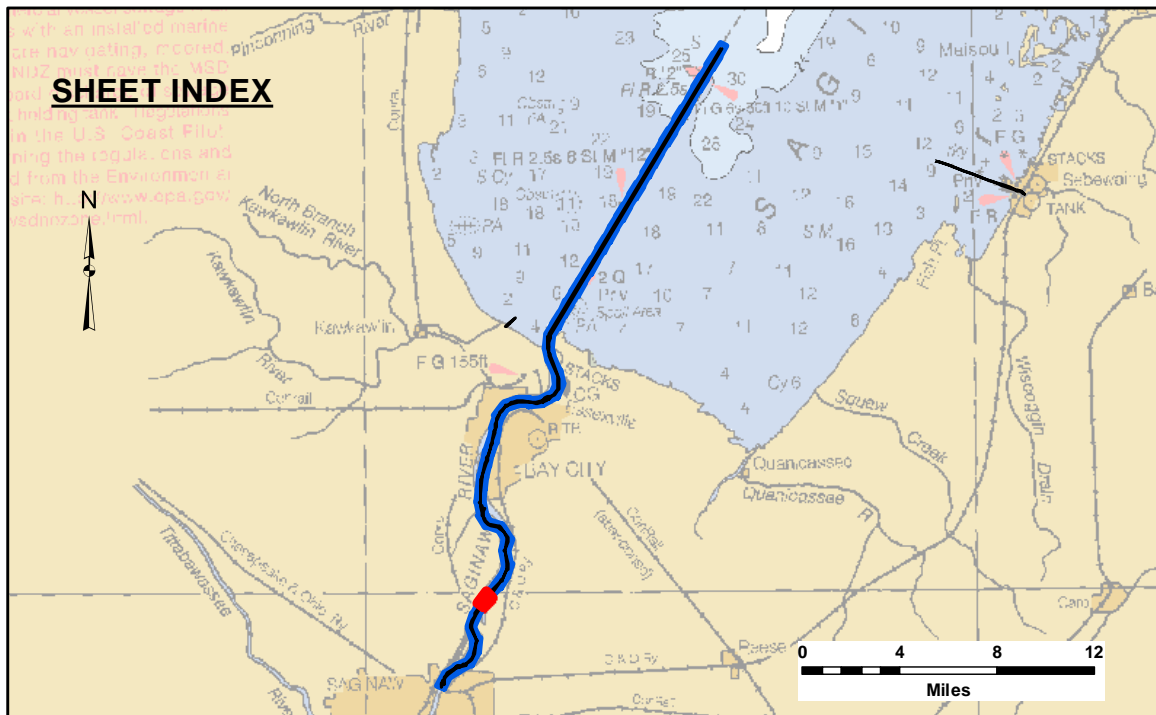
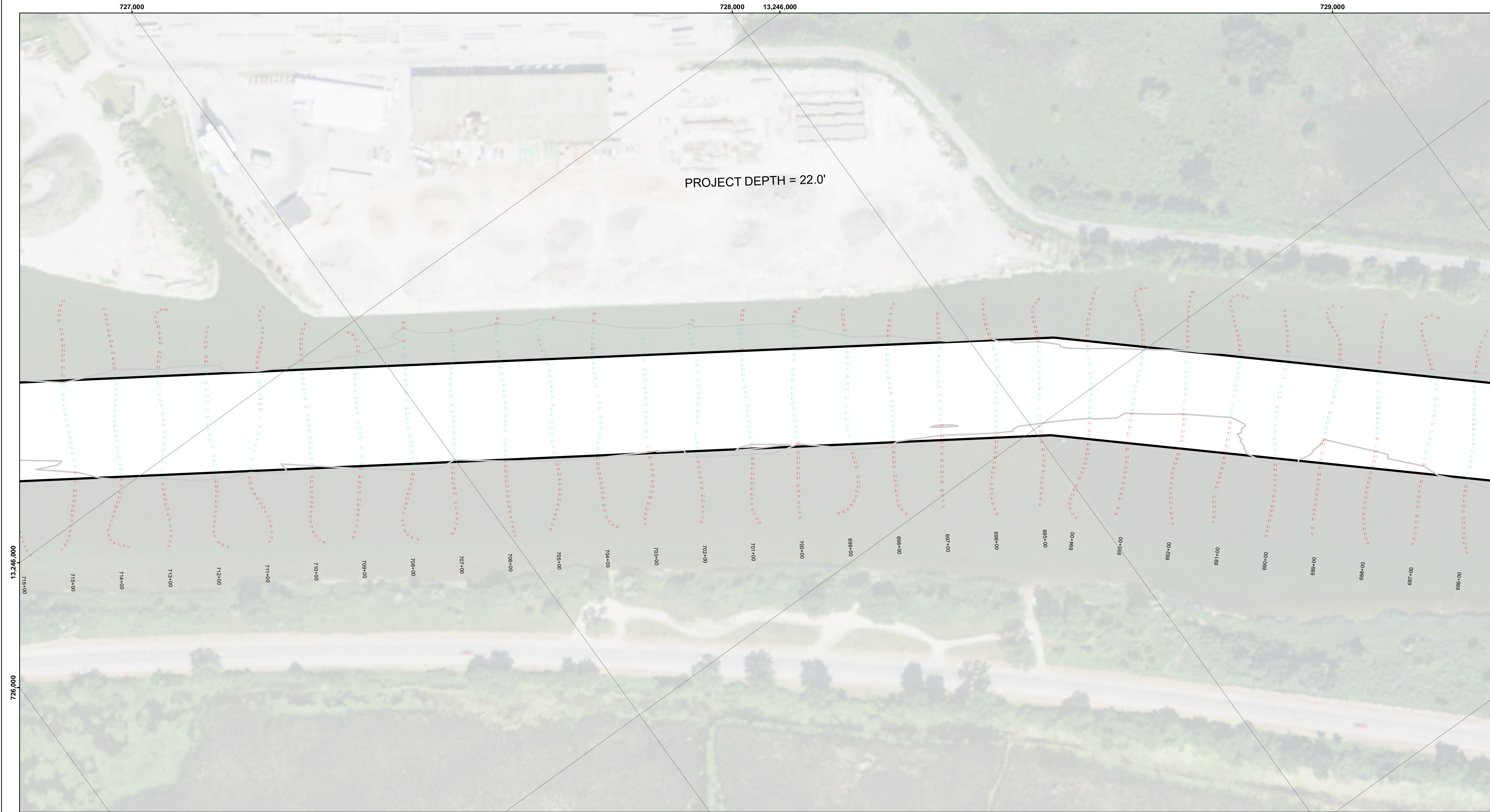






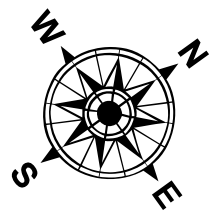


Revision Number:
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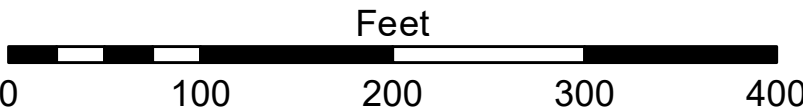


- LEGEND**
- Cable Submarine
 - - Cable Overhead
 - Placement Area
 - ⊥ Beacon, General
 - Contour Lines
 - ▭ Channel_Limits

- SOUNDING LEGEND**
- LESS THAN PROJECT DEPTH
 - PROJECT DEPTH
 - PROJECT DEPTH +1'
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SOFTWARE: HYPACK

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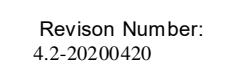
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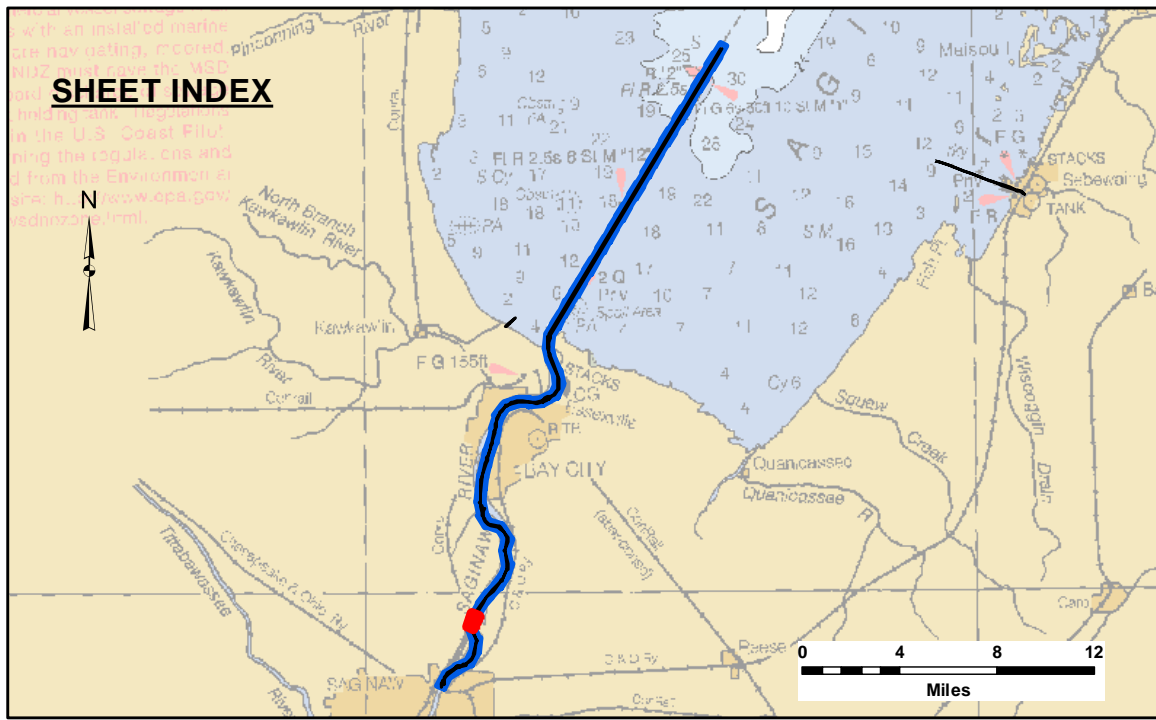
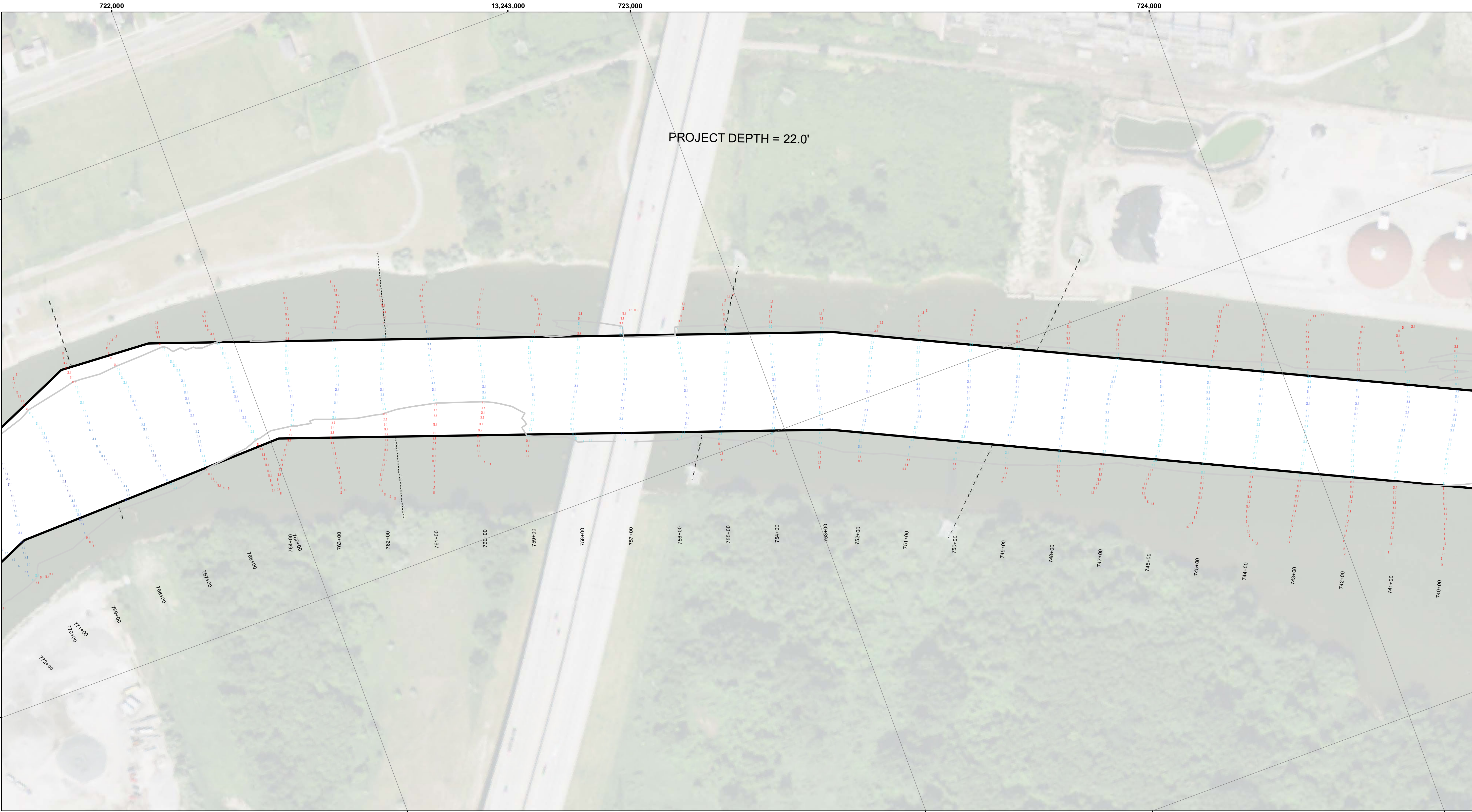
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Saginaw, MI
Saginaw River
SH_01_SAG_20210630_CS
30 June 2021

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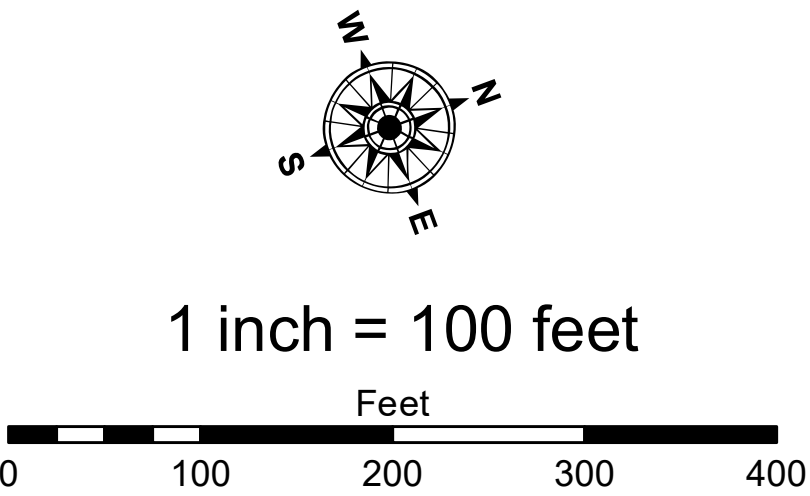
Revision Number:
4.2-202106/4/20





- LEGEND**
- Cable Submarine
 - - Cable Overhead
 - Placement Area
 - ┆ Beacon, General
 - Contour Lines
 - ▭ Channel_Limits

- SOUNDING LEGEND**
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MOTION COMPENSATION: APPLANIX POS-MV4
SONAR: R2SONIC 2024 (MULTIBEAM) OR ODOM CV-300 (SINGLEBEAM)
SOFTWARE: HYPACK

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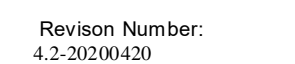
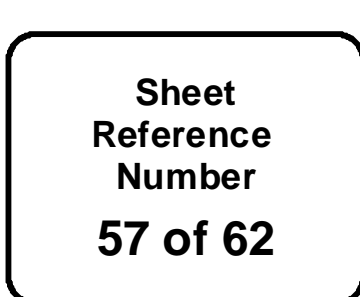
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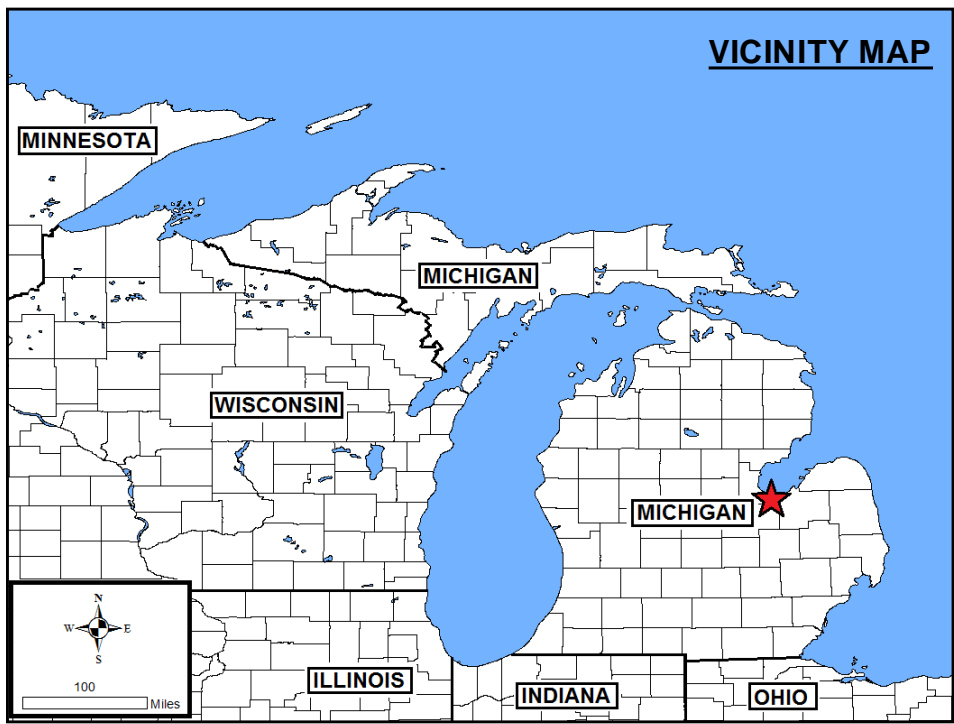
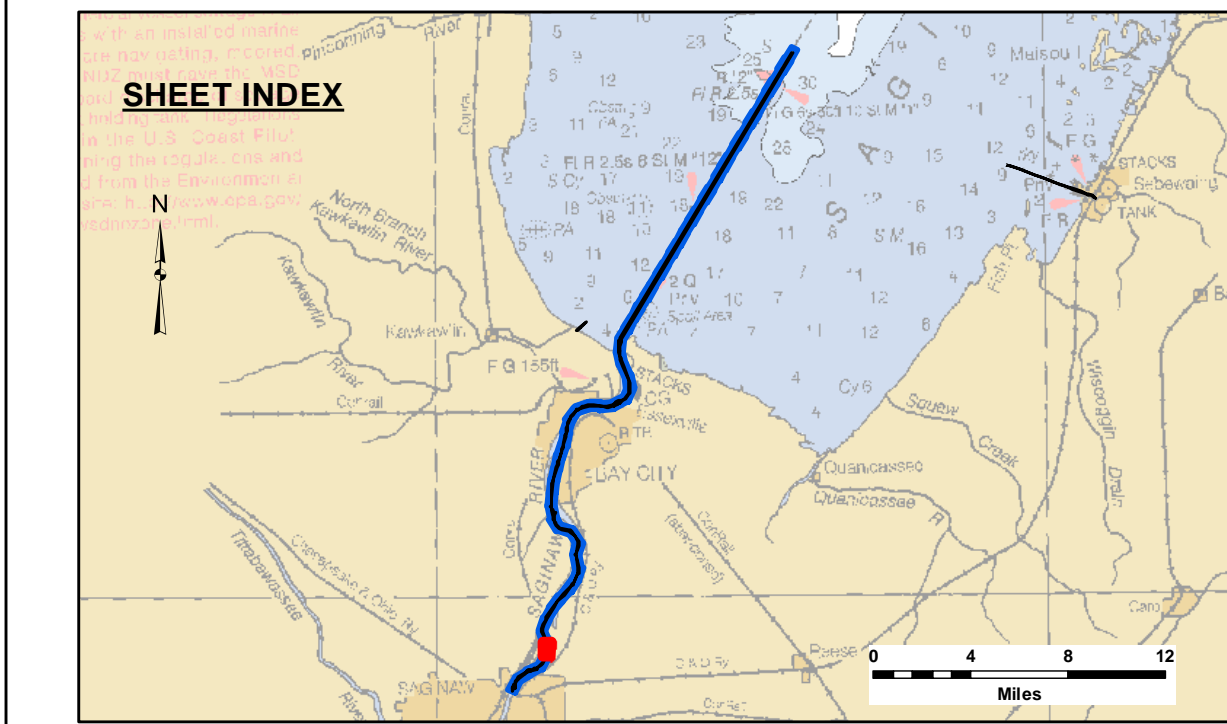
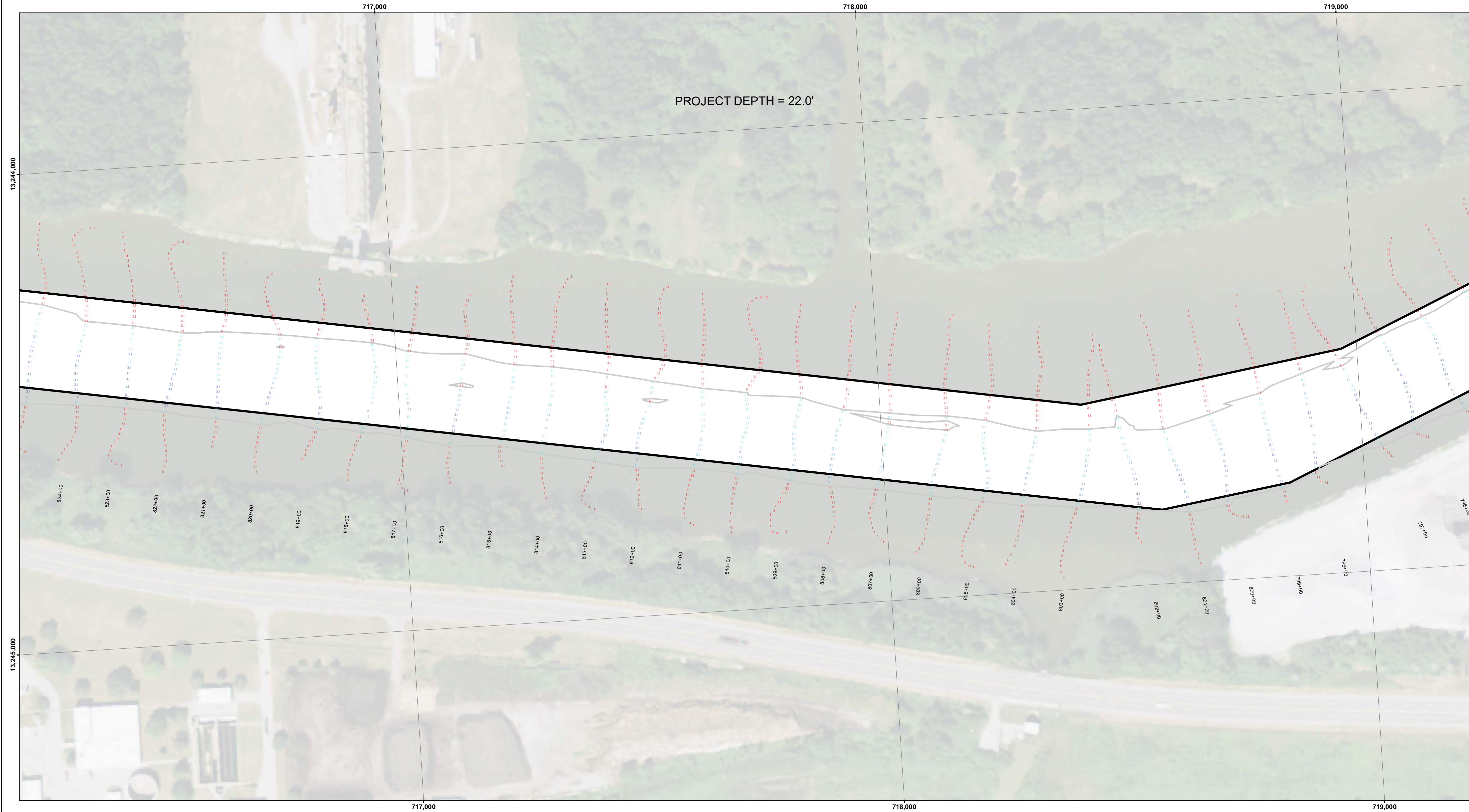
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| Submitted: | Surveyed By: | |
| Recommended: | Plotted By: | |
| Approved: | Chief, Survey Section | |
| | Chief, Technical Services | |

Saginaw, MI
Saginaw River
SH_01_SAG_20210630_CS
30 June 2021

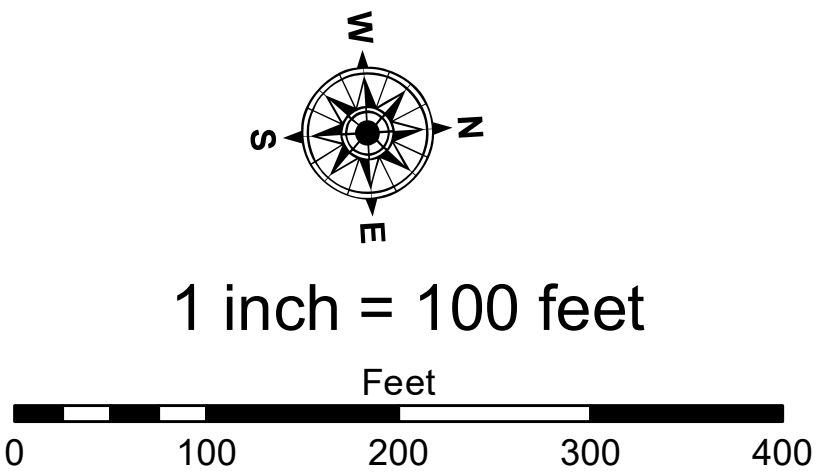
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- LEGEND**
- Cable Submarine
 - - Cable Overhead
 - Placement Area
 - Beacon, General
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 - Channel_Limits

- SOUNDING LEGEND**
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POSITIONING: APPLANIX POS-MV4 W/ VRS/RTK OR MARINESTAR GNSS.
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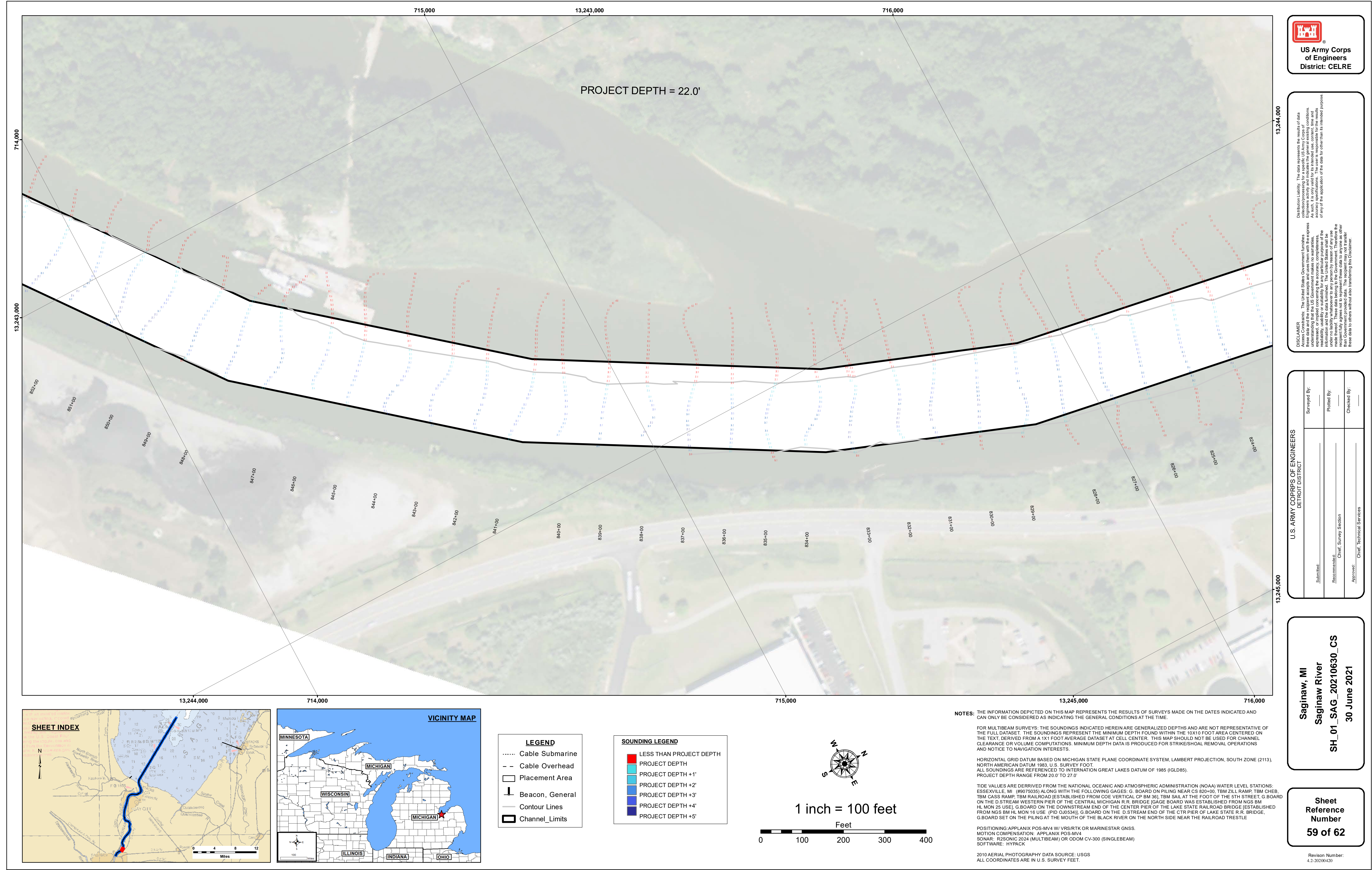
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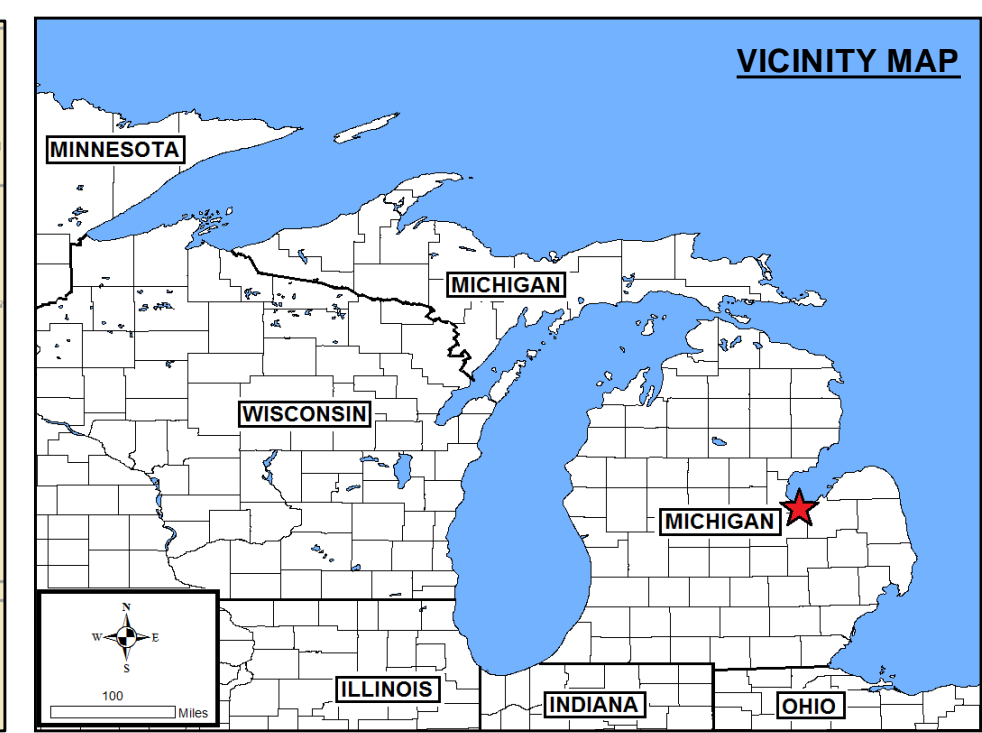
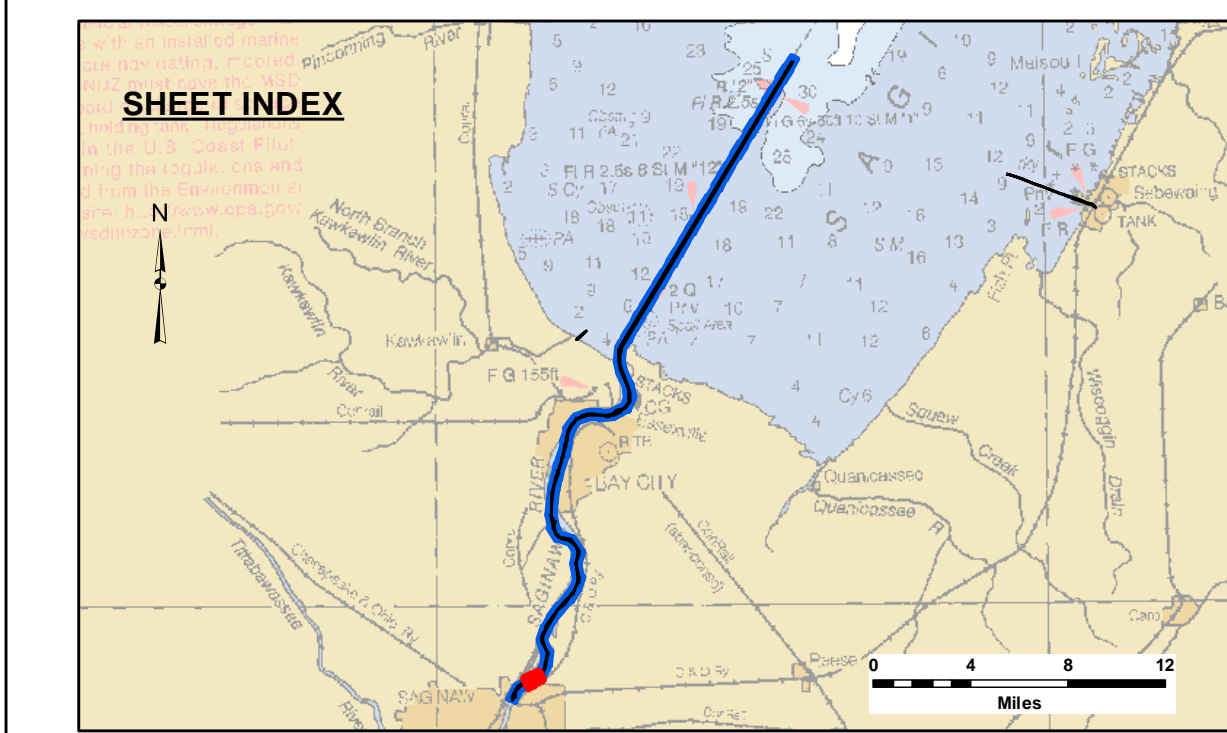
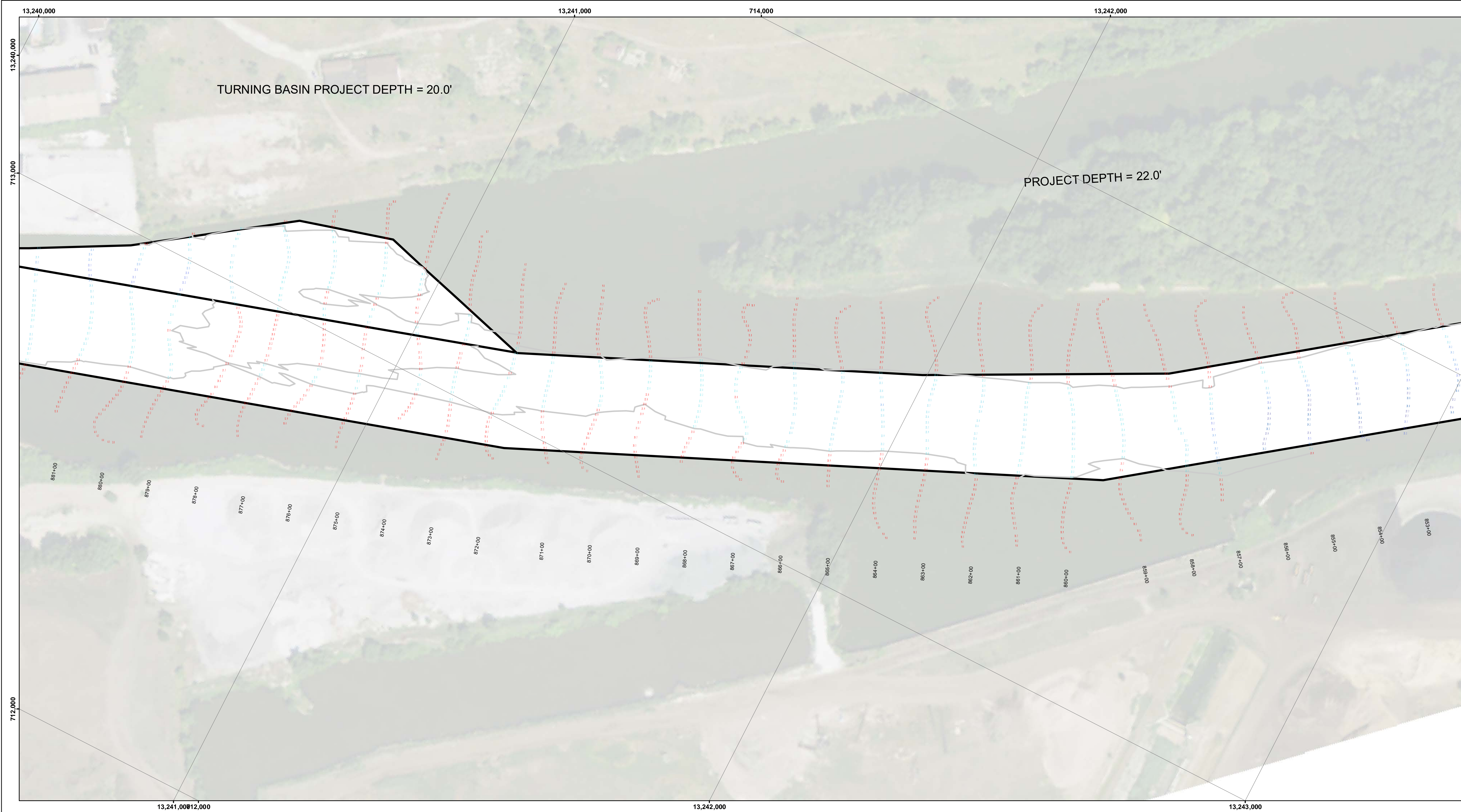
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Saginaw, MI
Saginaw River
SH_01_SAG_20210630_CS
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LEGEND

- Cable Submarine
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SOUNDING LEGEND

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PROJECT DEPTH RANGE FROM 20.0 TO 27.0'

TIDE VALUES ARE DERRIVED FROM THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) WATER LEVEL STATIONS: ESSEXVILLE, MI (#9075035) ALONG WITH THE FOLLOWING GAGES: G. BOARD ON PILING NEAR CS 820+00, TBM ZILL RAMP, TBM CHEB, TBM CASS RAMP, TBM RAILROAD (ESTABLISHED FROM COE VERTICAL CP BM 36), TBM SAIL AT THE FOOT OF THE 5TH STREET, G. BOARD ON THE D. STREAM WESTERN PIER OF THE CENTRAL MICHIGAN R.R. BRIDGE [GAGE BOARD WAS ESTABLISHED FROM NGS BM HL MON 25 USE], G. BOARD ON THE DOWNSTREAM END OF THE CENTER PIER OF THE LAKE STATE RAILROAD BRIDGE [ESTABLISHED FROM NGS BM HL MON 16 USE (PID QJ0534)], G. BOARD ON THE D. STREAM END OF THE CTR PIER OF LAKE STATE R.R. BRIDGE, G. BOARD SET ON THE PILING AT THE MOUTH OF THE BLACK RIVER ON THE NORTH SIDE NEAR THE RAILROAD TRESTLE

POSITIONING: APPLANIX POS-MV4 W/ VRS/IRTK OR MARINESTAR GNSS.
MOTION COMPENSATION: APPLANIX POS-MV4
SONAR: R2SONIC 2024 (MULTIBEAM) OR ODOM CV-300 (SINGLEBEAM)
SOFTWARE: HYPACK

2010 AERIAL PHOTOGRAPHY DATA SOURCE: USGS
ALL COORDINATES ARE IN U.S. SURVEY FEET.

Saginaw, MI
Saginaw River
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Revision Number:
4.2-20210610-20


US Army Corps of Engineers
District: CELRE

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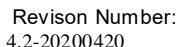
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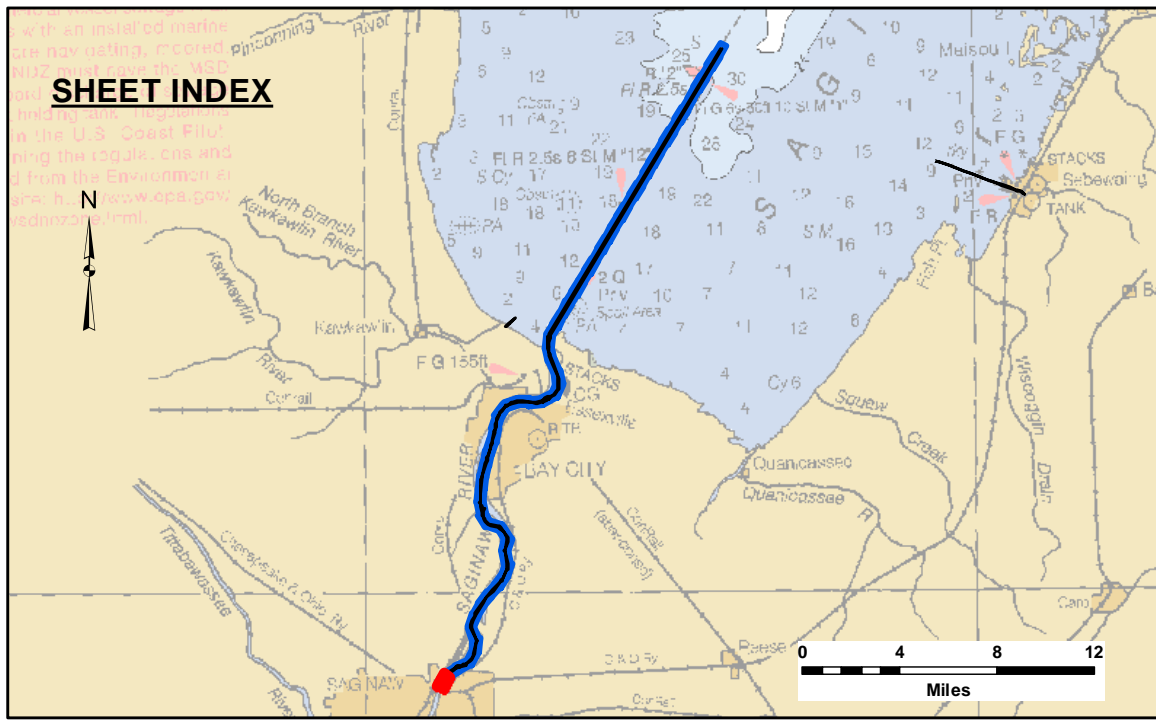
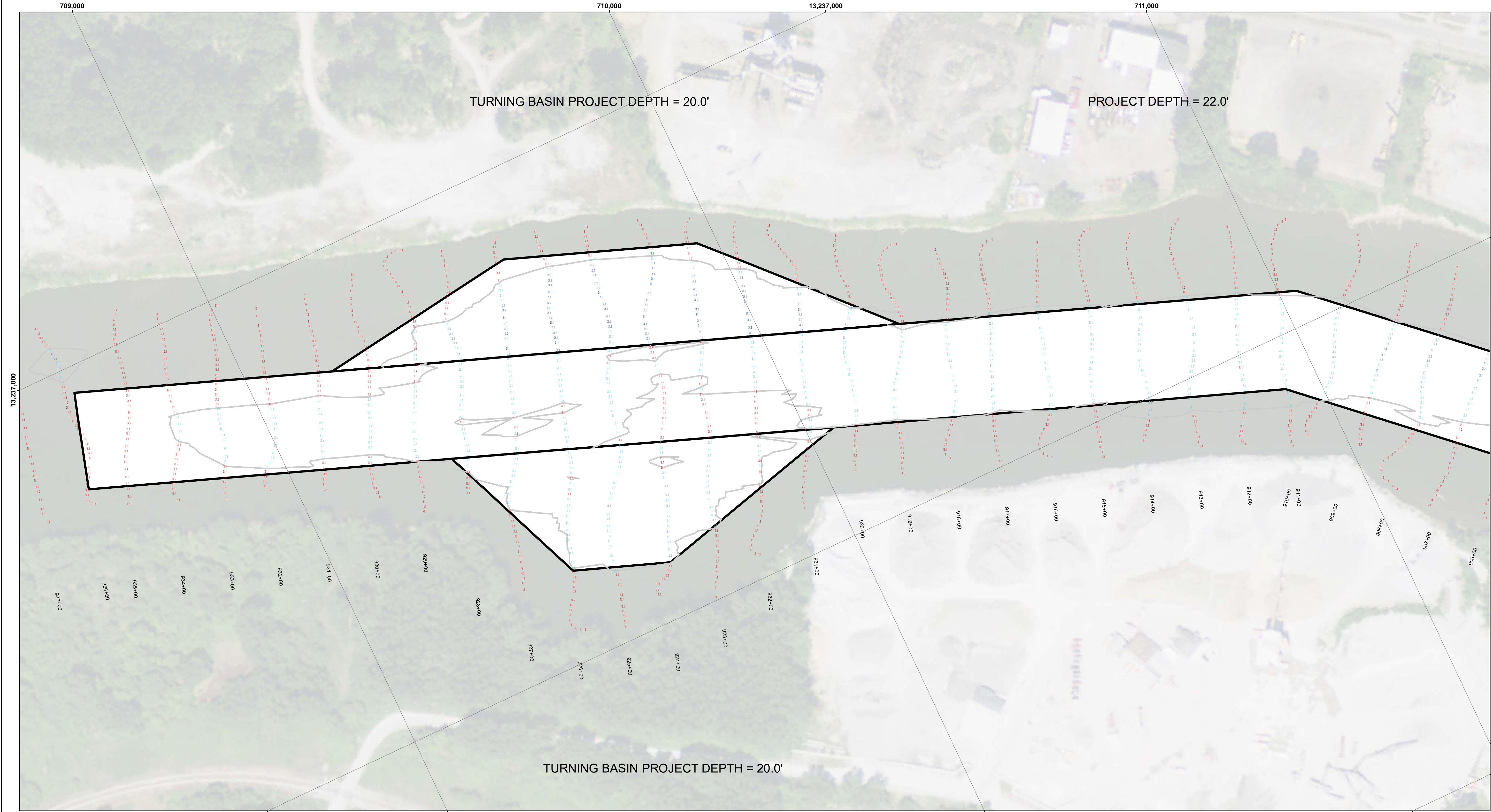
U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

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|--------------|--------------|
| Submitted: | Surveyed By: |
| Recommended: | Plotted By: |
| Approved: | Checked By: |

Saginaw, MI
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LEGEND

- Cable Submarine
- - Cable Overhead
- Placement Area
- ⊥ Beacon, General
- 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 = 100 feet

Feet

0 100 200 300 400

NOTES: THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS AT THE TIME.

FOR MULTIBEAM SURVEYS: THE SOUNDINGS INDICATED HEREIN ARE GENERALIZED DEPTHS AND ARE NOT REPRESENTATIVE OF THE FULL DATASET. THE SOUNDINGS REPRESENT THE MINIMUM DEPTH FOUND WITHIN THE 10X10 FOOT AREA CENTERED ON THE TEXT. DERIVED FROM A 1X1 FOOT AVERAGE DATASET AT CELL CENTER. THIS MAP SHOULD NOT BE USED FOR CHANNEL CLEARANCE OR VOLUME COMPUTATIONS. MINIMUM DEPTH DATA IS PRODUCED FOR STRIKE/SOAL REMOVAL OPERATIONS AND NOTICE TO NAVIGATION INTERESTS.

HORIZONTAL GRID DATUM BASED ON MICHIGAN STATE PLANE COORDINATE SYSTEM, LAMBERT PROJECTION, SOUTH ZONE (2113), NORTH AMERICAN DATUM 1983, U.S. SURVEY FOOT. ALL SOUNDINGS ARE REFERENCED TO INTERNATIONAL GREAT LAKES DATUM OF 1985 (IGLD85). PROJECT DEPTH RANGE FROM 20.0' TO 27.0'

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2010 AERIAL PHOTOGRAPHY DATA SOURCE: USGS. ALL COORDINATES ARE IN U.S. SURVEY FEET.



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

Saginaw, MI

Saginaw River

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