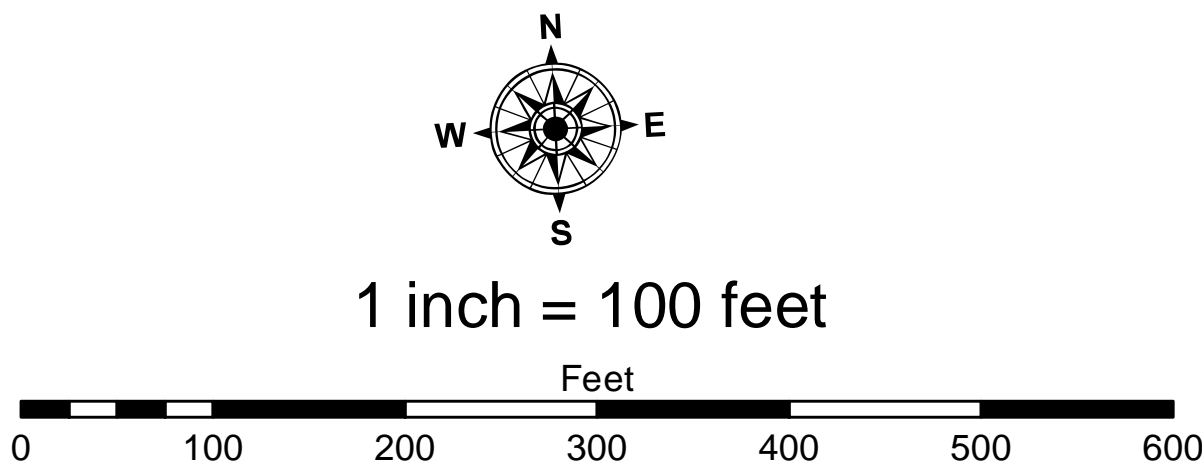


- LEGEND**
- ..... Cable Submarine
  - - Cable Overhead
  - Placement Area
  - └ Beacon, General
  - Contour Lines
  - ▭ Channel Limits

- 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 SOUNDINGS AND ASSOCIATED INFORMATION REPRESENTED HEREIN ARE THE RESULT OF SURVEYS MADE ON THE DATE AS INDICATED AND CAN ONLY BE CONSIDERED REPRESENTATIVE OF THE GENERAL CONDITIONS EXISTING AT THE TIME OF SURVEY.

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VERTICAL: INTERNATIONAL GREAT LAKES DATUM (IGLD) OF 1985.

THE ABOVE SURVEY WAS CONDUCTED USING THE U.S.A.C.E. SURVEY VESSEL SKIFF EMPLOYING THE FOLLOWING COMPONENTS:  
POSITIONING: TRIMBLE BLUE DOPS  
MOTION COMPENSATION: N/A  
SONAR: ODOM CV-300  
SOFTWARE: HYPACK 2015

TIDE GAGE USED WERE REFERENCED FROM A GAGE BOARD SET ON PILING NEAR THE MOUTH OF THE CLINTON RIVER ON THE EAST SIDE OF THE DNR DOCK, IN FRONT OF THE DNR FISHERIES BUILDING.  
L.W.D. = 572.3

IMAGERY SOURCED FROM: 2014 MICHIGAN NAIP IMAGERY



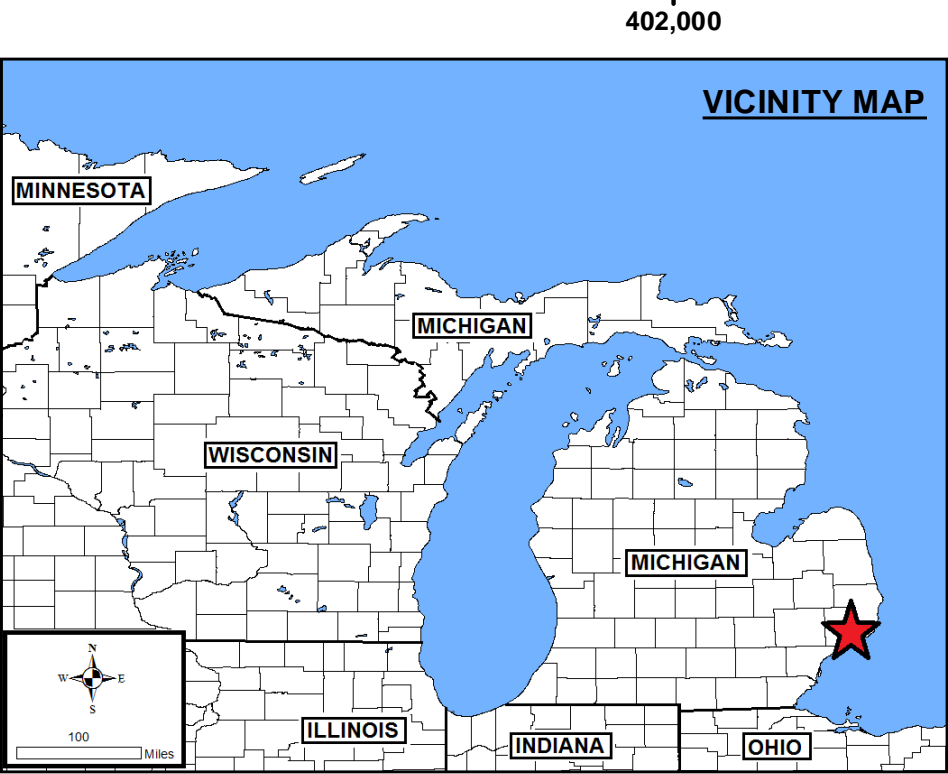
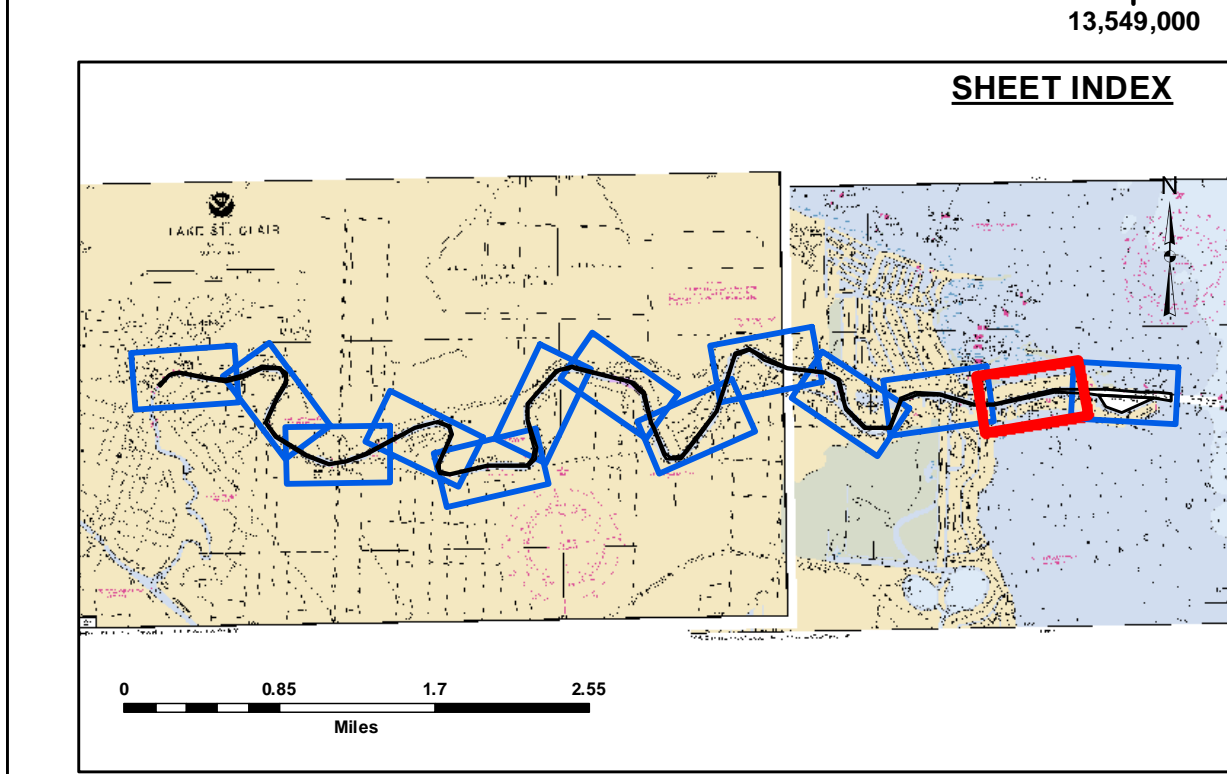
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U.S. ARMY CORPS OF ENGINEERS DETROIT DISTRICT		
Submitted:	Surveyed By:	
Recommended:	Plotted By:	
Approved:	Chief, Technical Services	

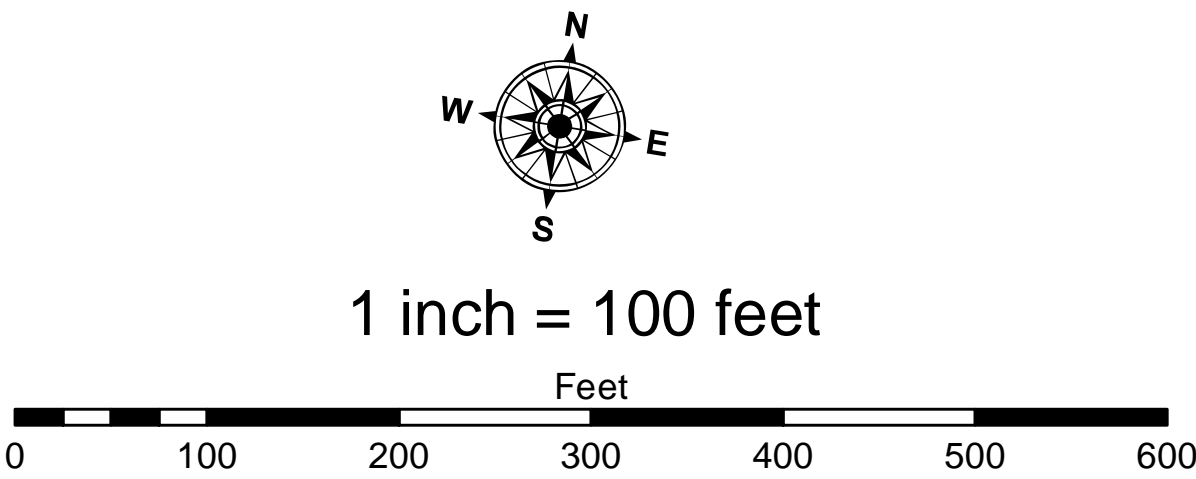
Clinton River, MI  
Clinton River  
CL\_01\_INT\_20210419\_CS  
19 April 2021

Sheet  
Reference  
Number  
1 of 13



- 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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VERTICAL: INTERNATIONAL GREAT LAKES DATUM (IGLD) OF 1985.

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POSITIONING: TRIMBLE BLUE DOPS  
MOTION COMPENSATION: N/A  
SONAR: ODOM CV-300  
SOFTWARE: HYPACK 2015

TIDE GAGE USED WERE REFERENCED FROM A GAGE BOARD SET ON PILING NEAR THE MOUTH OF THE CLINTON RIVER ON THE EAST SIDE OF THE DNR DOCK, IN FRONT OF THE DNR FISHERIES BUILDING.  
L.W.D. = 572.3

IMAGERY SOURCED FROM: 2014 MICHIGAN NAIP IMAGERY



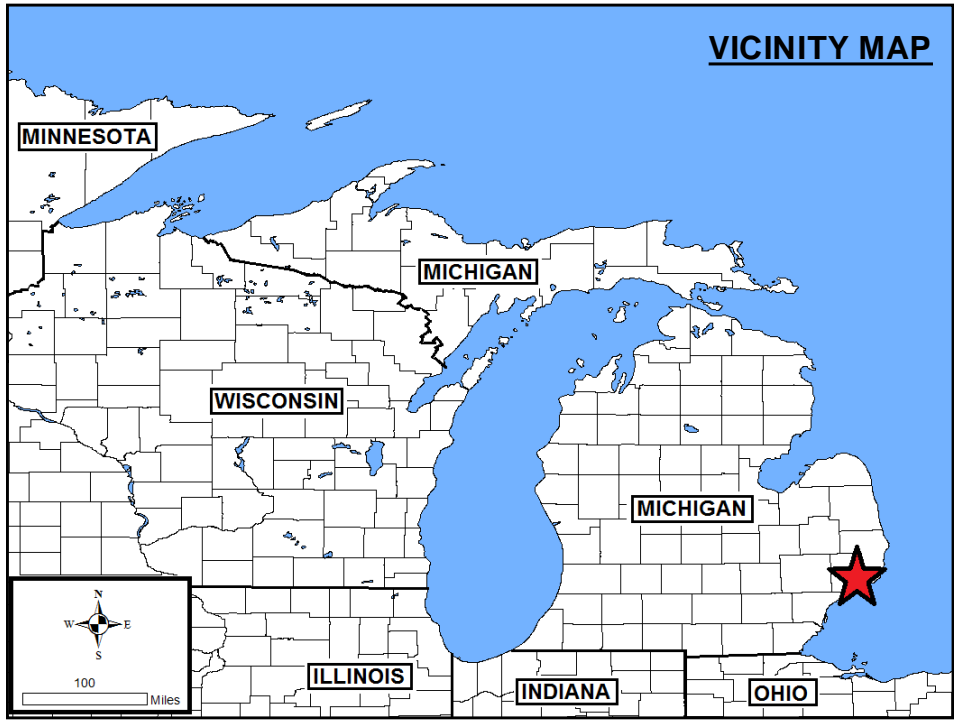
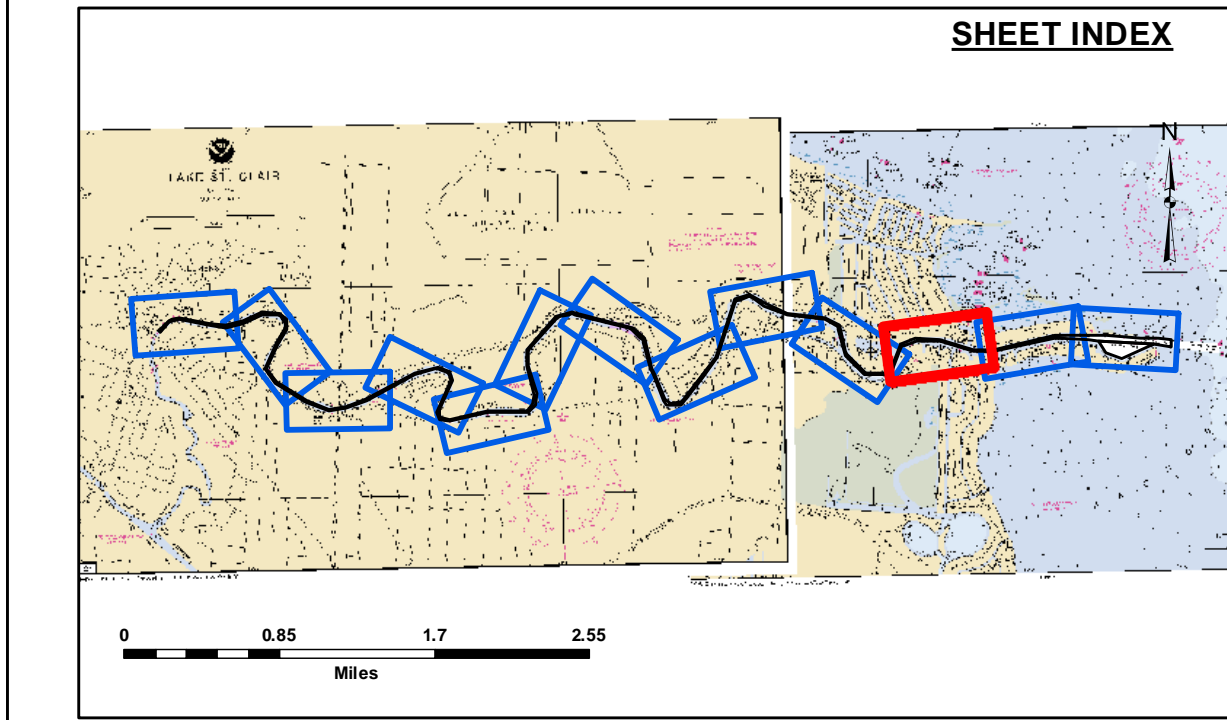
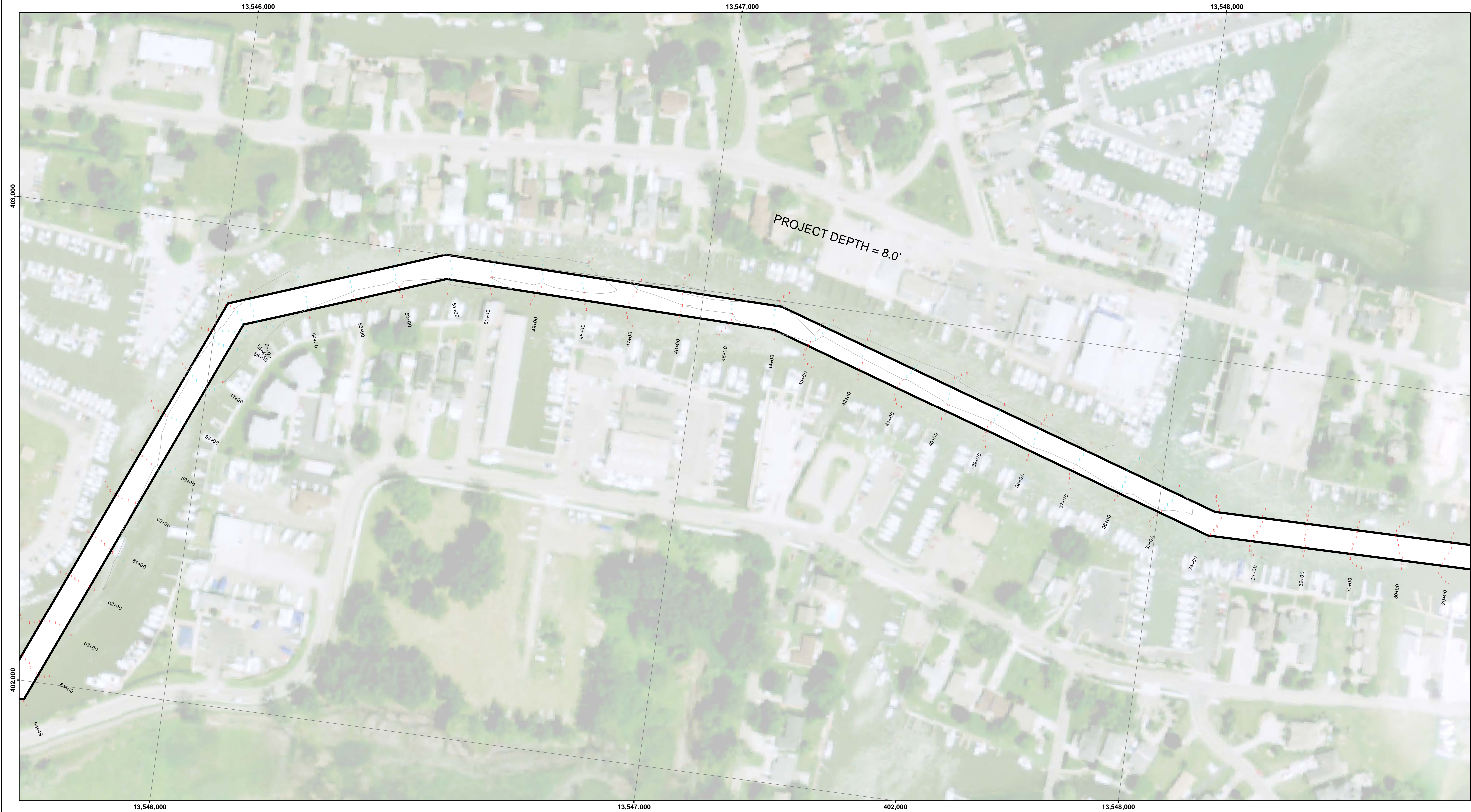
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U.S. ARMY CORPS OF ENGINEERS DETROIT DISTRICT		
Submitted:	Surveyed By:	
Recommended:	Plotted By:	
Approved:	Checked By:	

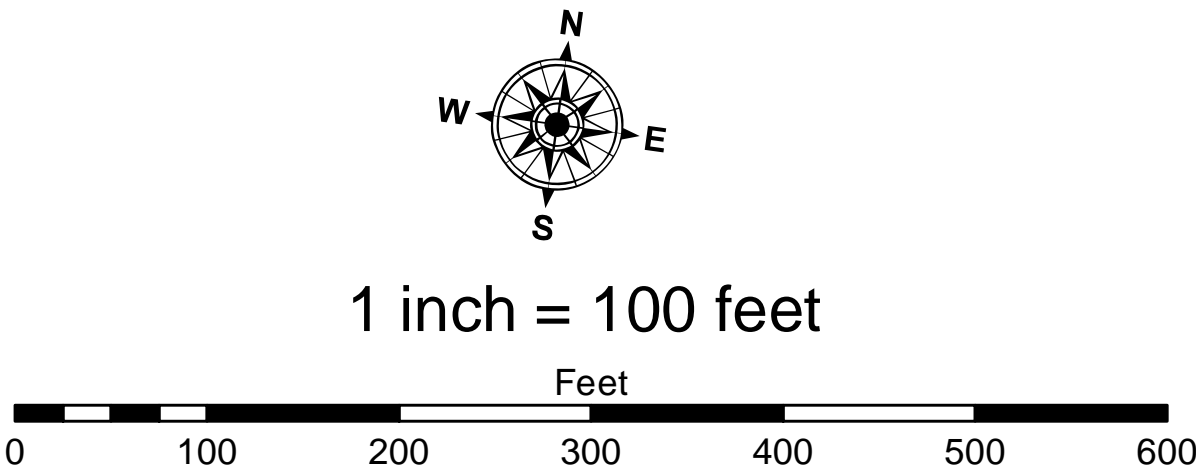
Clinton River, MI  
Clinton River  
CL\_01\_INT\_20210419\_CS  
19 April 2021

Sheet  
Reference  
Number  
2 of 13



- 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: TRIMBLE BLUE DGPS  
MOTION COMPENSATION: N/A  
SONAR: ODOM CV-300  
SOFTWARE: HYPACK 2015

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L.W.D. = 572.3

IMAGERY SOURCED FROM: 2014 MICHIGAN NAIP IMAGERY



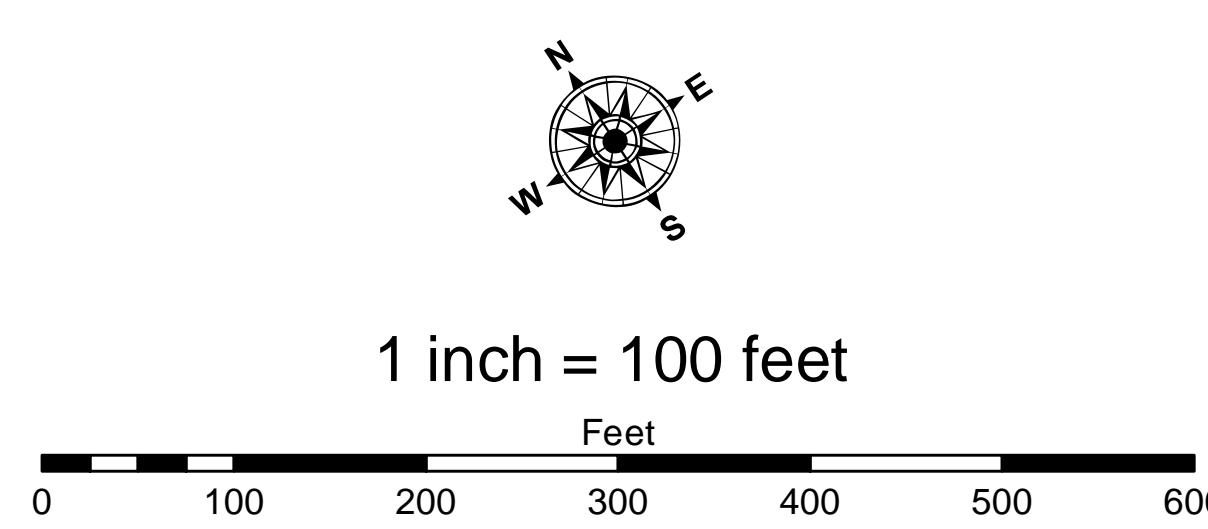
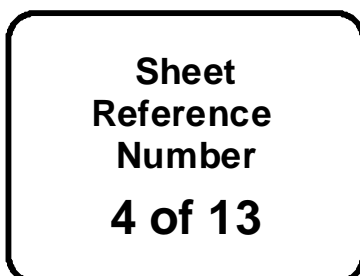
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U.S. ARMY CORPS OF ENGINEERS DETROIT DISTRICT		
Submitted:	Surveyed By:	
Recommended:	Plotted By:	
Approved:	Checked By:	

Clinton River, MI  
Clinton River  
CL\_01\_INT\_20210419\_CS  
19 April 2021

Sheet  
Reference  
Number  
3 of 13



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POSITIONING: TRIMBLE BLUE DGPS

MOTION COMPENSATION: N/A

SONAR: ODOM CV-300

SOFTWARE: HYPACK 2015

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L.W.D. = 572.3

IMAGERY SOURCED FROM: 2014 MICHIGAN NAIP IMAGERY



**DISCLAIMER**

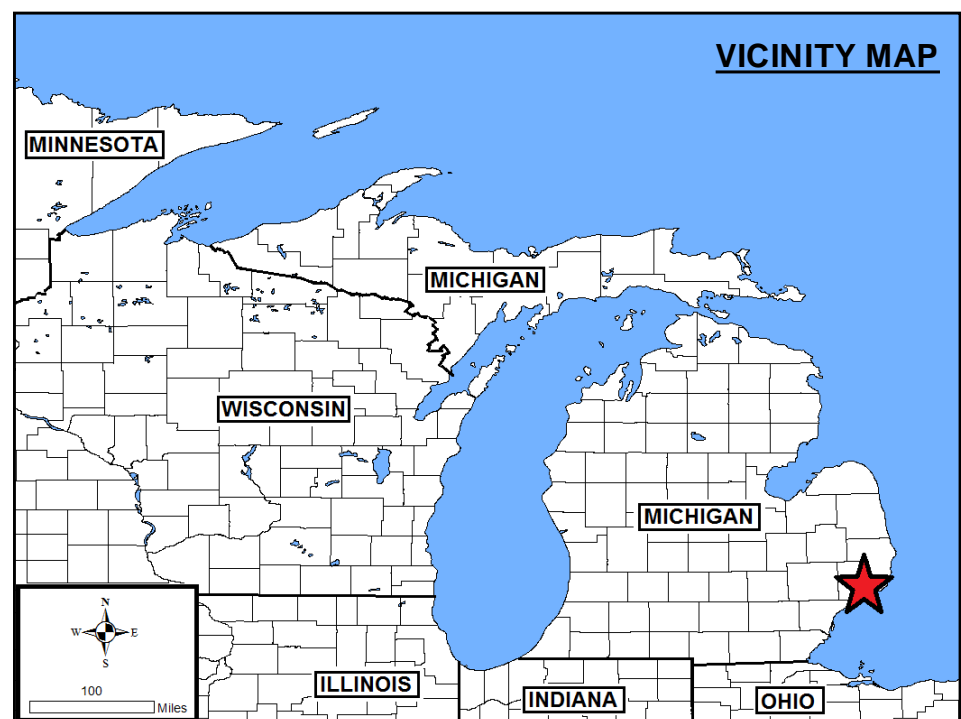
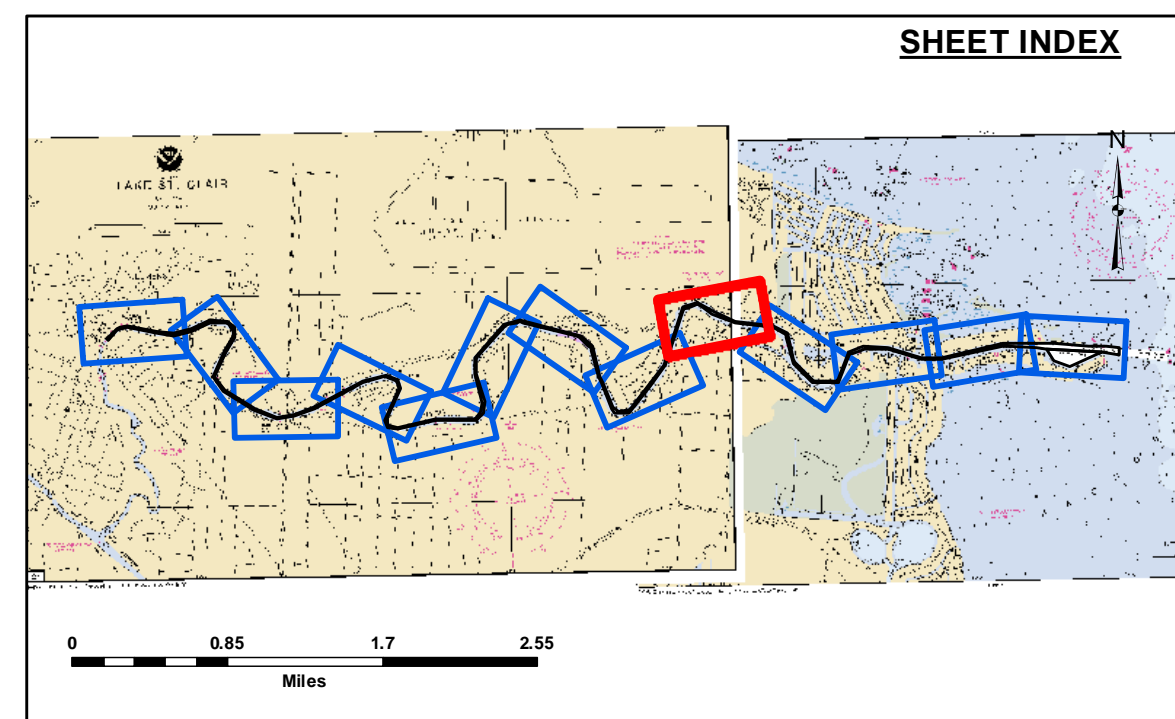
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U.S. ARMY CORPS OF ENGINEERS DETROIT DISTRICT		Surveyed By: _____
Submitted: _____		
Recommended: Chief, Survey Section _____		Plotted By: _____
Approved: Chief, Technical Services _____		Checked By: _____








Clinton River, MI  
Clinton River  
CL\_01\_INT\_20210419\_CS  
19 April 2021

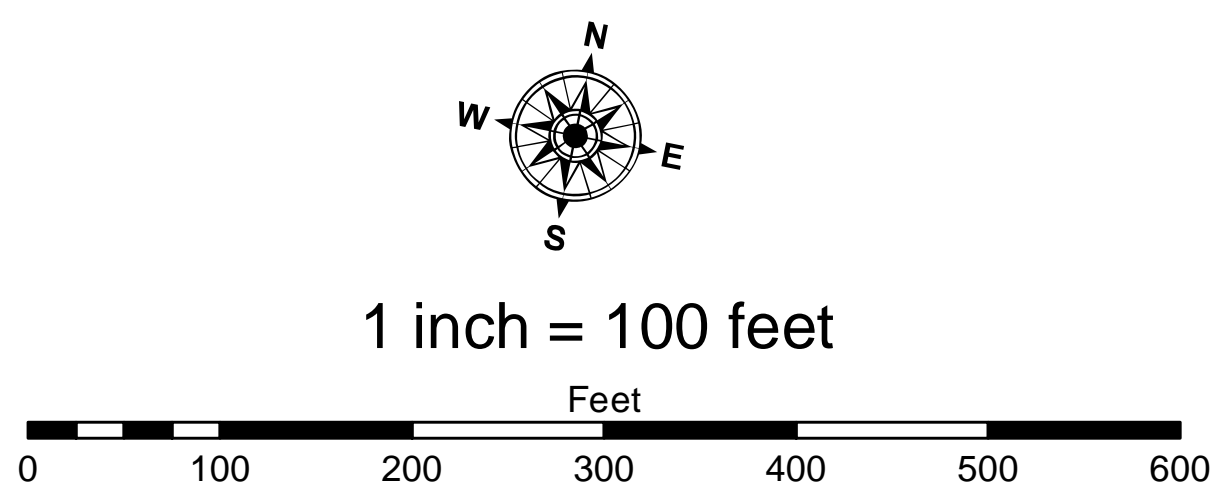
Sheet  
Reference  
Number  
**5 of 13**

Revision Number:  
4.2-20200420



- 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'       |



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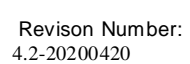
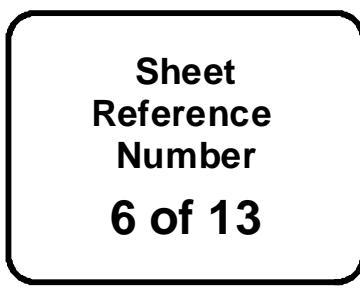
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VERTICAL: INTERNATIONAL GREAT LAKES DATUM (IGLD) OF 1985.

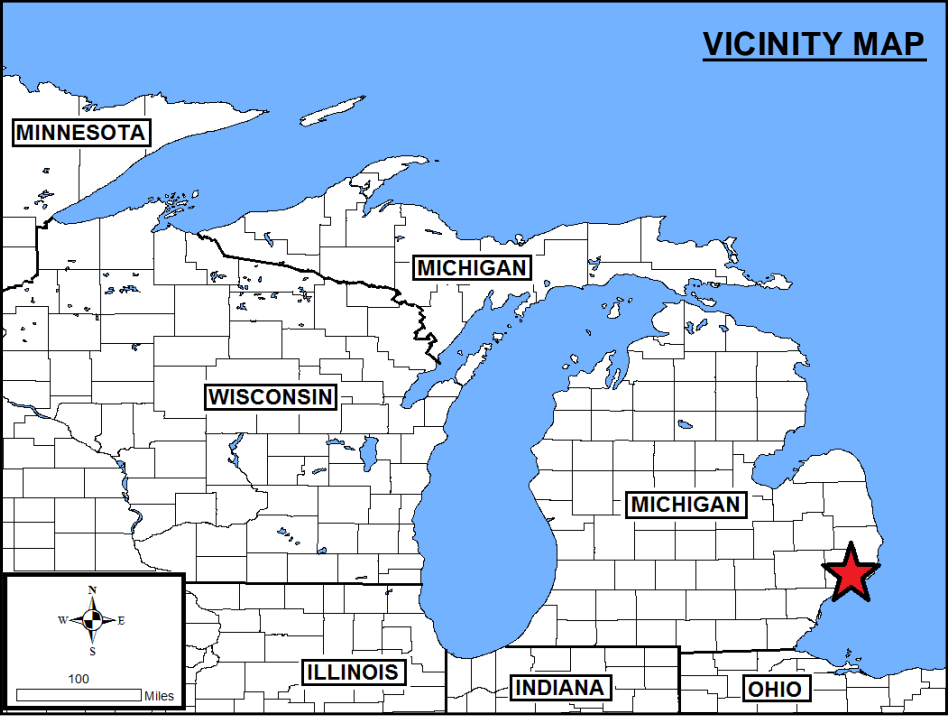
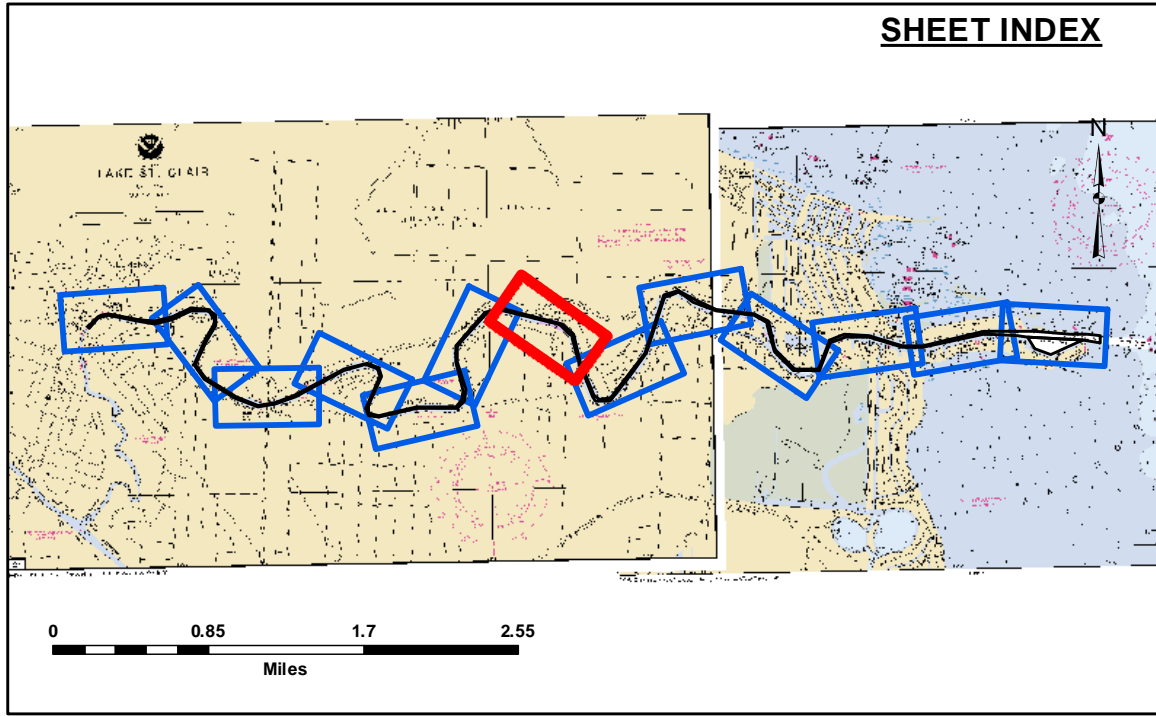
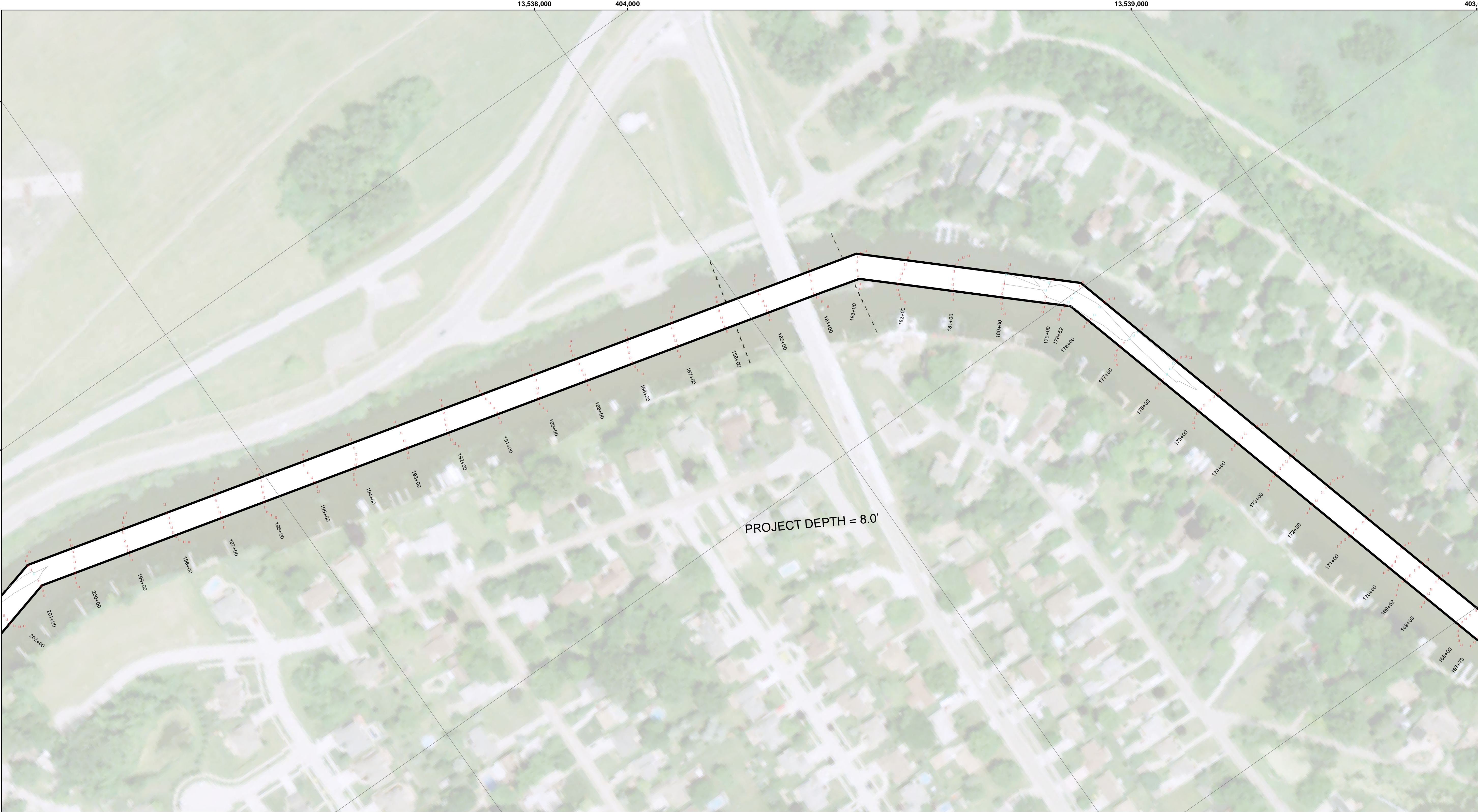
THE ABOVE SURVEY WAS CONDUCTED USING THE U.S.A.C.E. SURVEY VESSEL SKIFF EMPLOYING THE FOLLOWING COMPONENTS:  
POSITIONING: TRIMBLE BLUE DGPS  
MOTION COMPENSATION: N/A  
SONAR: ODOM CV-300  
SOFTWARE: HYPACK 2015

TIDE GAGE USED WERE REFERENCED FROM A GAGE BOARD SET ON PILING NEAR THE MOUTH OF THE CLINTON RIVER ON THE EAST SIDE OF THE DNR DOCK, IN FRONT OF THE DNR FISHERIES BUILDING.

L.W.D. = 57.23

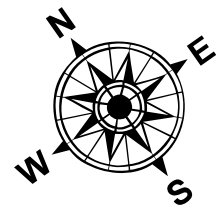
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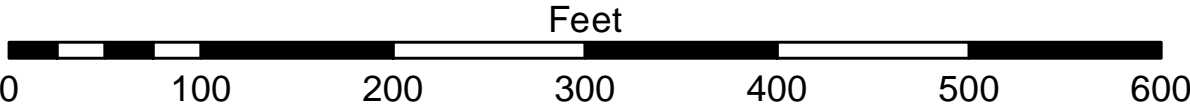


- LEGEND**
- ..... Cable Submarine
  - - Cable Overhead
  - Placement Area
  - ┆ Beacon, General
  - Contour Lines
  - ▭ Channel Limits

- SOUNDING LEGEND**
- LESS THAN PROJECT DEPTH
  - PROJECT DEPTH
  - PROJECT DEPTH +1'
  - PROJECT DEPTH +2'
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1 inch = 100 feet



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L.W.D. = 572.3

IMAGERY SOURCED FROM: 2014 MICHIGAN NAIP IMAGERY



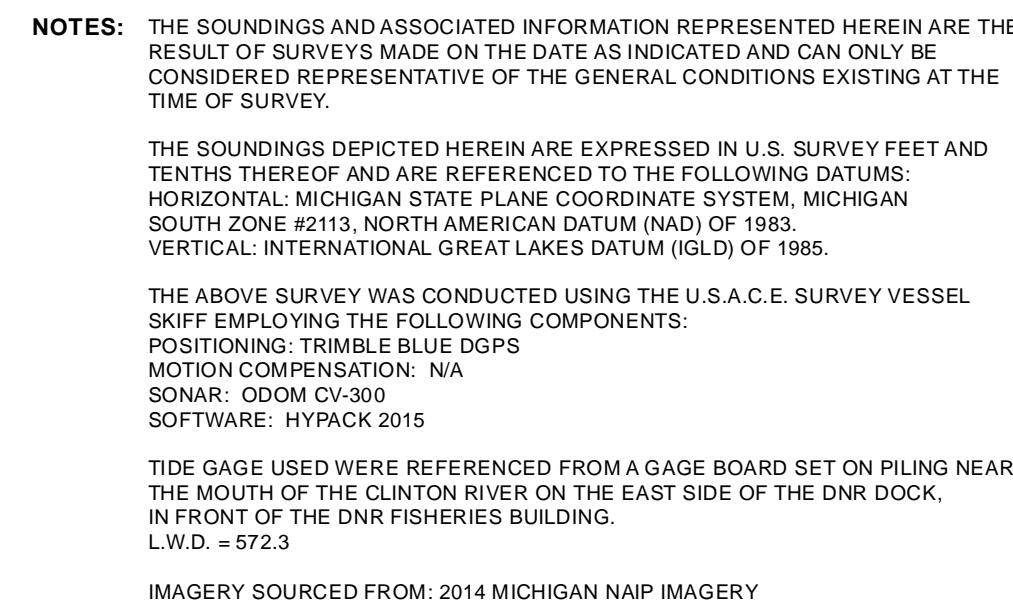
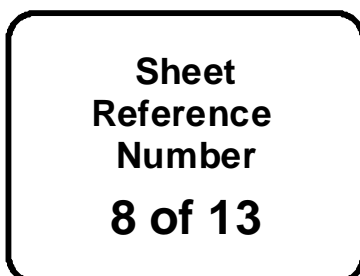
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U.S. ARMY CORPS OF ENGINEERS DETROIT DISTRICT		
Submitted:	Surveyed By:	
Recommended:	Plotted By:	
Approved:	Chief, Technical Services	

Clinton River, MI  
Clinton River  
CL\_01\_INT\_20210419\_CS  
19 April 2021

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Reference  
Number  
7 of 13





**DISCLAIMER**

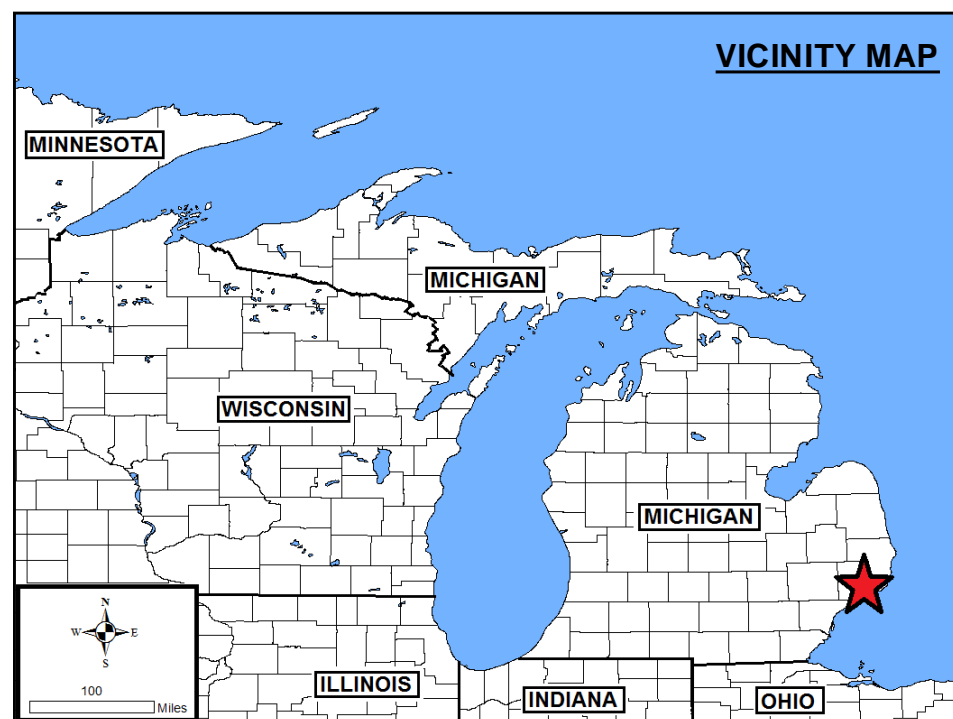
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U.S. ARMY CORPS OF ENGINEERS DETROIT DISTRICT	
Submitted: _____	Surveyed By: _____
Recommended: Chief, Survey Section	Plotted By: _____
Approved: Chief, Technical Services	Checked By: _____








Clinton River, MI  
Clinton River  
CL\_01\_INT\_20210419\_CS  
19 April 2021

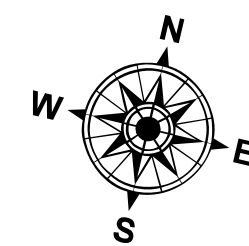
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Revision Number:  
4.2-20200420

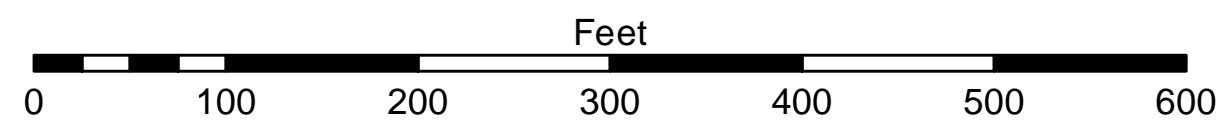


- LEGEND**
- ..... Cable Submarine  
-- Cable Overhead  
 Placement Area  
 Beacon, General  
— Contour Lines  
 Channel\_Limits

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



1 inch = 100 feet



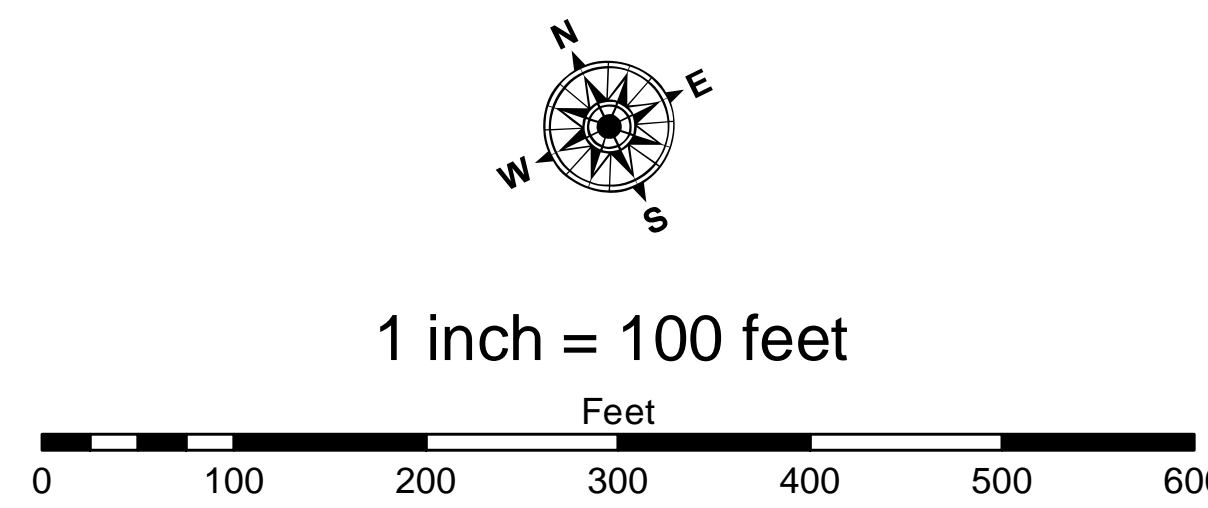
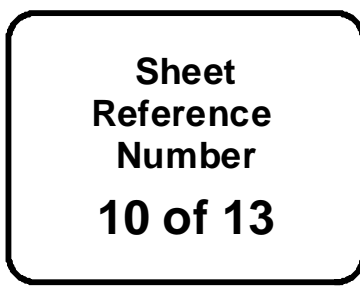
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SKIFF EMPLOYING THE FOLLOWING COMPONENTS:  
POSITIONING: TRIMBLE BLUE DGPS  
MOTION COMPENSATION: N/A  
SONAR: ODOM CV-300  
SOFTWARE: HYPACK 2015

TIDE GAGE USED WERE REFERENCED FROM A GAGE BOARD SET ON PILING NEAR THE MOUTH OF THE CLINTON RIVER ON THE EAST SIDE OF THE DNR DOCK, IN FRONT OF THE DNR FISHERIES BUILDING.  
L.W.D. = 572.3

IMAGERY SOURCED FROM: 2014 MICHIGAN NAIP IMAGERY



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POSITIONING: TRIMBLE BLUE DGPS

MOTION COMPENSATION: N/A

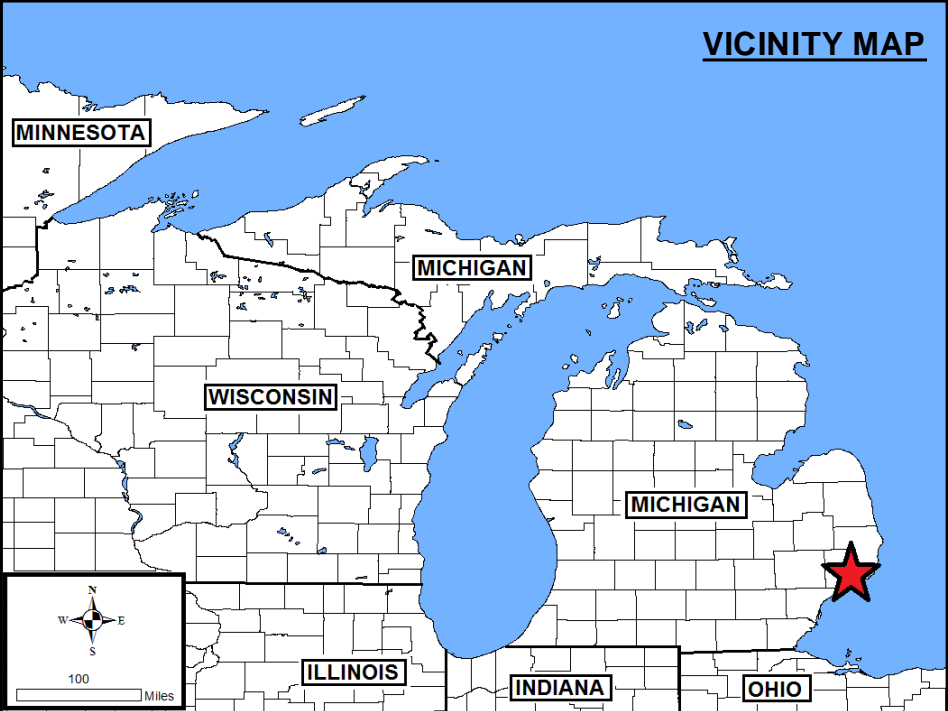
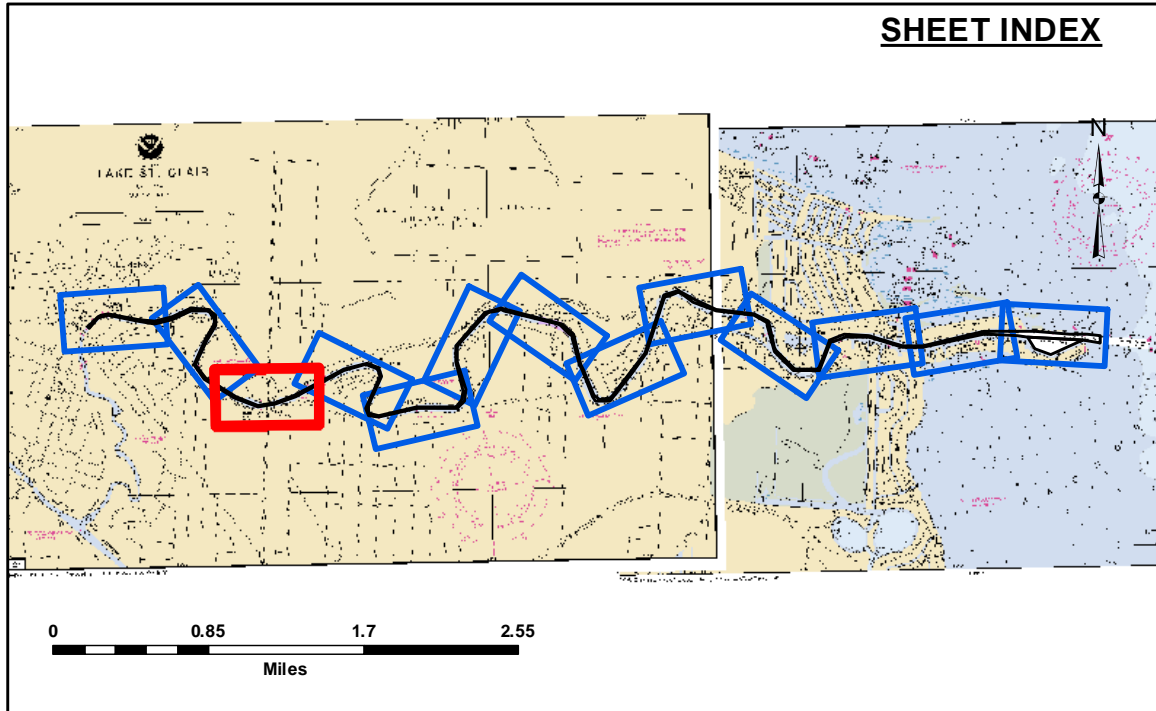
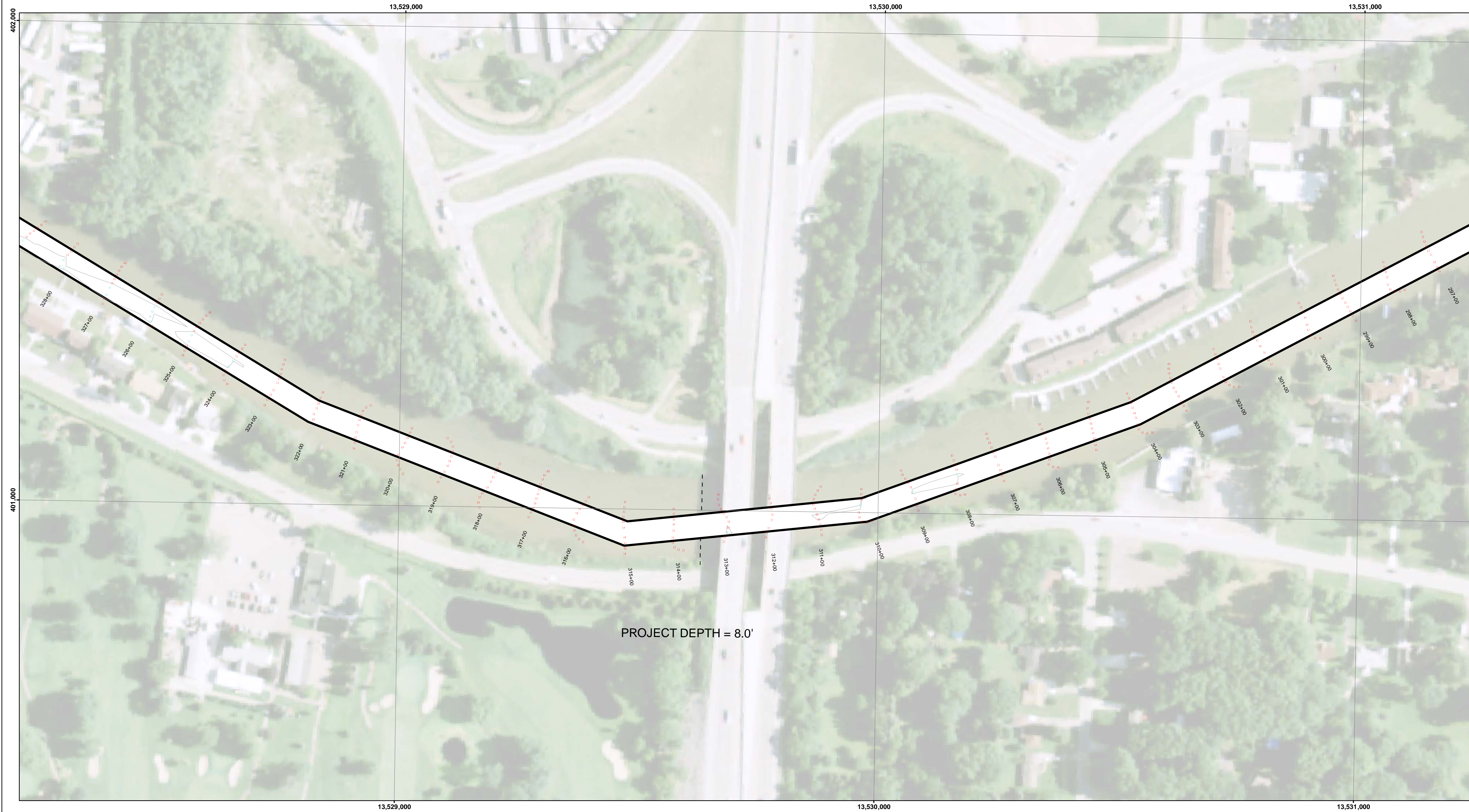
SONAR: ODOM CV-300

SOFTWARE: HYPACK 2015

TIDE GAGE USED WERE REFERENCED FROM A GAGE BOARD SET ON PILING NEAR THE MOUTH OF THE CLINTON RIVER ON THE EAST SIDE OF THE DNR DOCK, IN FRONT OF THE DNR FISHERIES BUILDING.

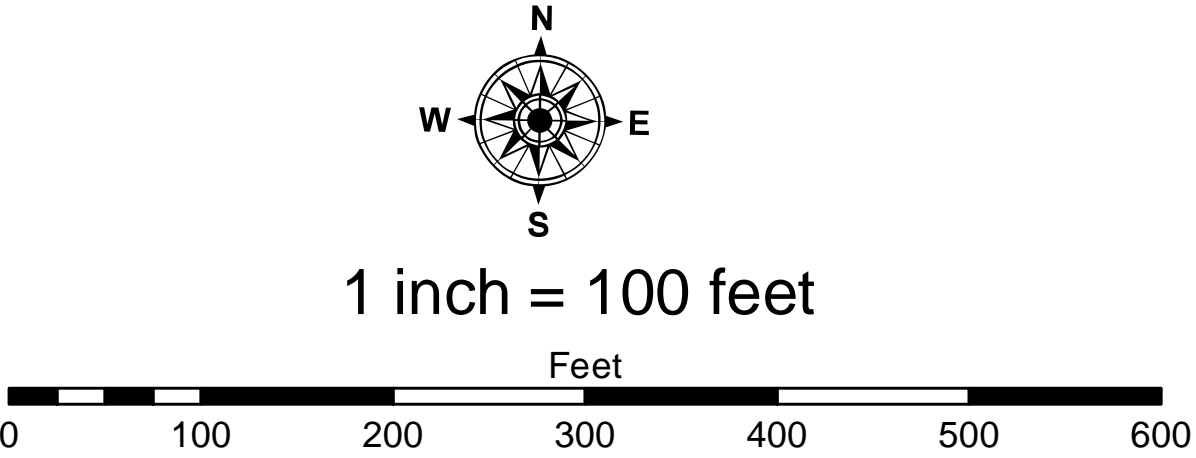
L.W.D. = 572.3

IMAGERY SOURCED FROM: 2014 MICHIGAN NAIP IMAGERY



- 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 SOUNDINGS AND ASSOCIATED INFORMATION REPRESENTED HEREIN ARE THE RESULT OF SURVEYS MADE ON THE DATE AS INDICATED AND CAN ONLY BE CONSIDERED REPRESENTATIVE OF THE GENERAL CONDITIONS EXISTING AT THE TIME OF SURVEY.

THE SOUNDINGS DEPICTED HEREIN ARE EXPRESSED IN U.S. SURVEY FEET AND TENTHS THEREOF, AND ARE REFERENCED TO THE FOLLOWING DATUMS:  
HORIZONTAL: MICHIGAN STATE PLANE COORDINATE SYSTEM, MICHIGAN SOUTH ZONE #2113, NORTH AMERICAN DATUM (NAD) OF 1983.  
VERTICAL: INTERNATIONAL GREAT LAKES DATUM (IGLD) OF 1985.

THE ABOVE SURVEY WAS CONDUCTED USING THE U.S.A.C.E. SURVEY VESSEL SKIFF EMPLOYING THE FOLLOWING COMPONENTS:  
POSITIONING: TRIMBLE BLUE DOPS  
MOTION COMPENSATION: N/A  
SONAR: ODOM CV-300  
SOFTWARE: HYPACK 2015

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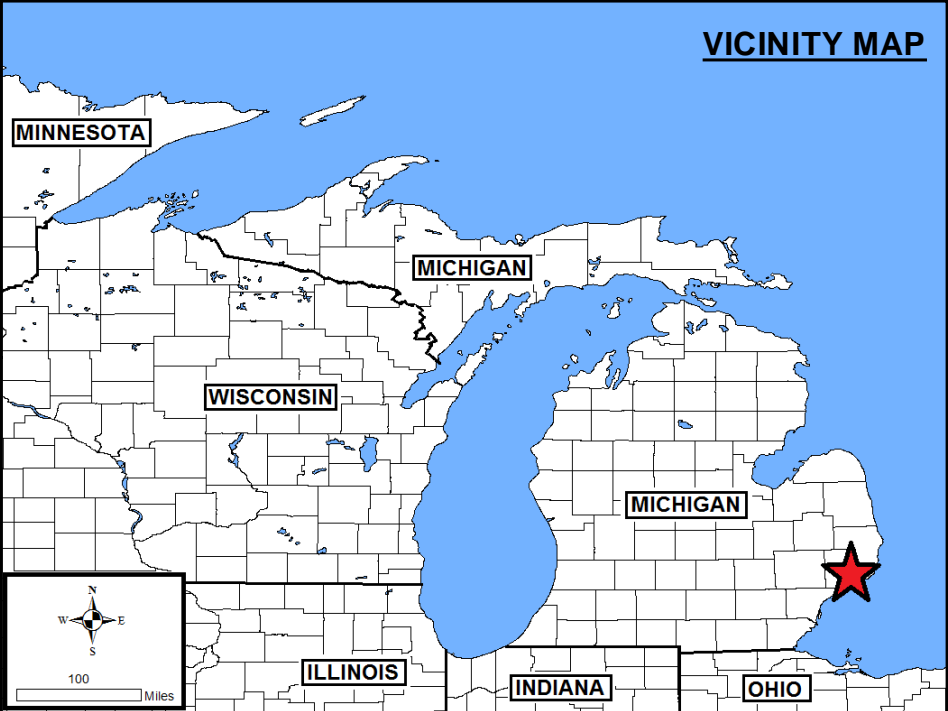
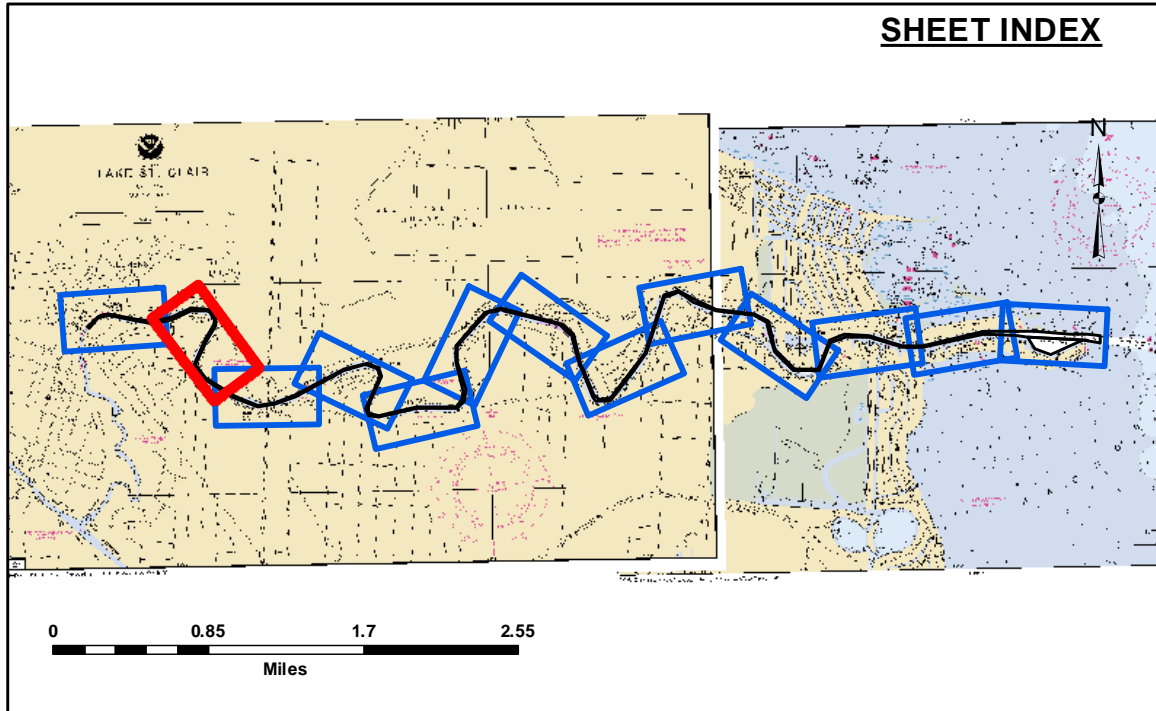
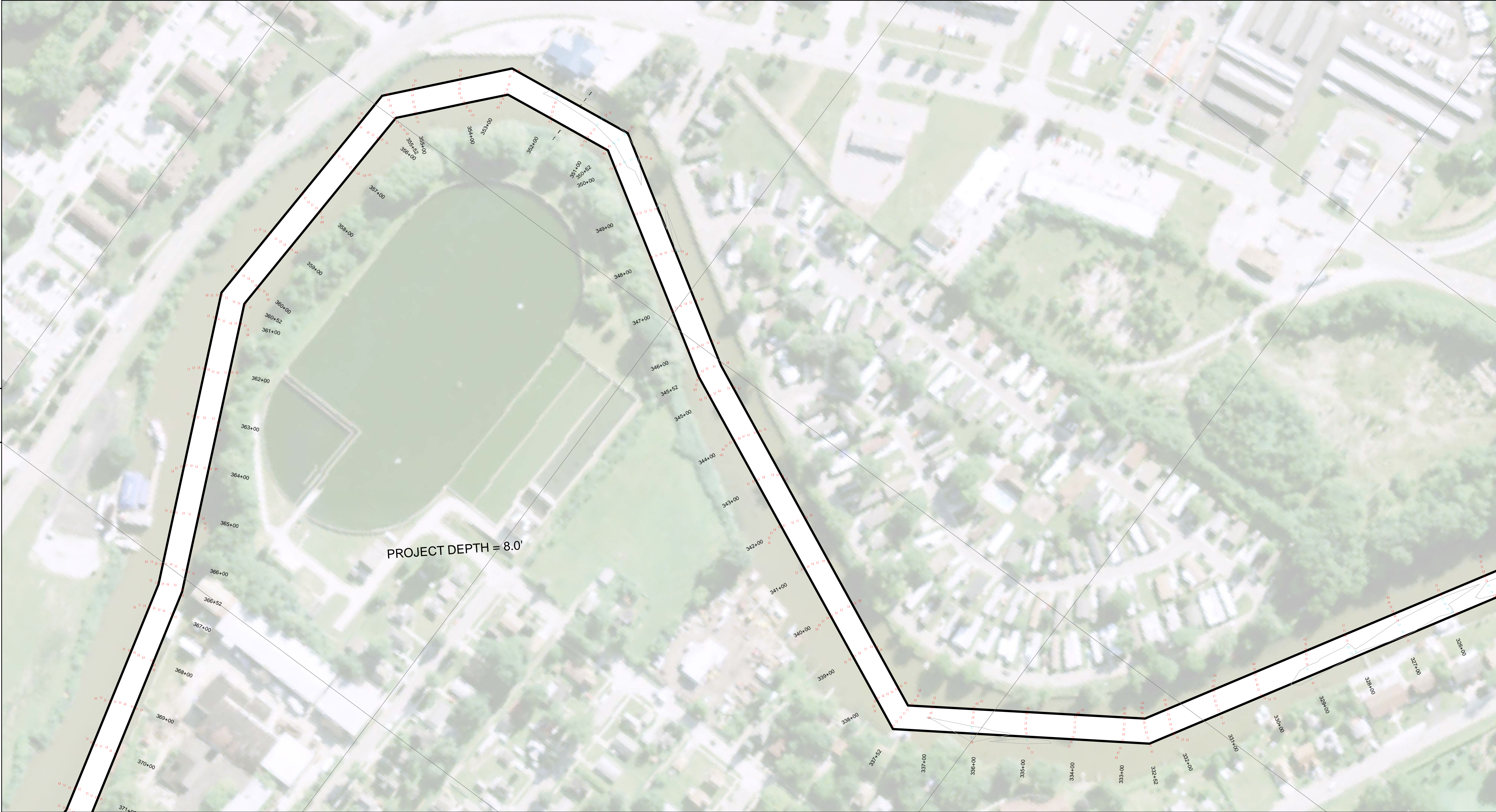
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U.S. ARMY CORPS OF ENGINEERS DETROIT DISTRICT		
Submitted:	Surveyed By:	
Recommended:	Plotted By:	
Approved:	Checked By:	

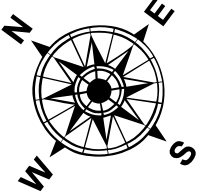
Clinton River, MI  
Clinton River  
CL\_01\_INT\_20210419\_CS  
19 April 2021

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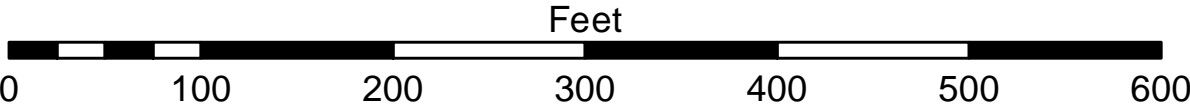


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1 inch = 100 feet



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U.S. ARMY CORPS OF ENGINEERS DETROIT DISTRICT		
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