CORPS OF ENGINEERS

U.S. ARMY

320,000

13,520,000

13,520,000

319,000

13,521,000

321,000

13,521,000

13,522,000

13,522,000

320,000

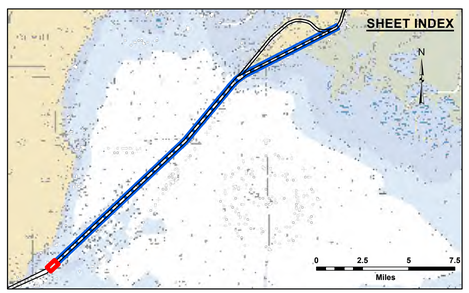
PROJECT DEPTH = 28.5'

PROJECT DEPTH = 27.5'

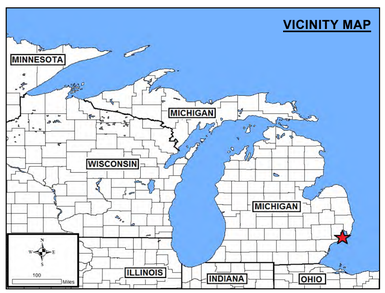
1700+00 1701+00 1702+00 00+00 01+00 02+00 03+00 04+00 05+00 06+00 07+00 08+00 09+00 10+00 11+00 12+00 13+00 14+00 15+00 16+00 17+00 18+00 19+00 20+00 21+00 22+00 23+00 24+00 25+00 26+00 27+00

Microsoft, Vantor

SHEET INDEX



VICINITY MAP



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'

W N S E

1 Inch =100 Feet

Feet

0 100 200 300 400 500 600

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FOR MULTIBEAM SURVEYS:
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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.

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TIDE VALUES ARE DERRIVED FROM THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) WATER LEVEL STATIONS:
ST CLAIR SHORES, MI (#9034052)

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

AERIAL PHOTOGRAPHY DATA SOURCE: MAXAR< MICROSOFT
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:	Plotted By:	Checked By:
Submitted:			
Recommended:	Chief, Survey Section		
Approved:	Chief, Technical Services		

Channels in Lake St. Clair, MI
Channels of Lake St Clair
CL_01_LSC_20260714_CS
14 July 2026

Sheet Reference Number 1 of 40

Revision Number:
5.26.04.06-5.26.04.06

CORPS OF ENGINEERS

U.S. ARMY

13,522,000

13,523,000

PROJECT DEPTH = 27.5'

321,000

323,000

13,522,000

13,524,000

25+00 26+00 27+00 28+00 29+00 30+00 31+00 32+00 33+00 34+00 35+00 36+00 37+00 38+00 39+00 40+00 41+00 42+00 43+00 44+00 45+00 46+00 47+00 48+00 49+00 50+00 51+00 52+00 53+00 54+00

Microsoft, Vantor

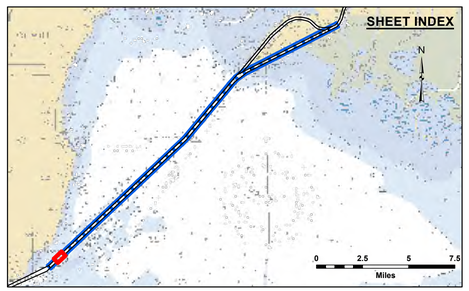
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321,000

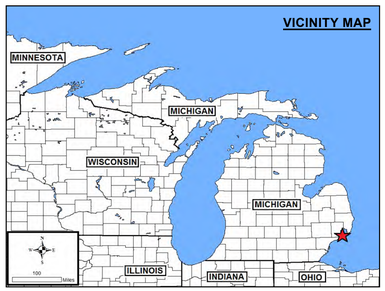
13,524,000

322,000

SHEET INDEX



VICINITY MAP



LEGEND

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

SOUNDING LEGEND

- LESS THAN PROJECT DEPTH
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SOFTWARE: HYPACK

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US Army Corps of Engineers
District: CELRE

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U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

Surveyed By: _____
Plotted By: _____
Checked By: _____

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

Channels in Lake St. Clair, MI
Channels of Lake St Clair
CL_01_LSC_20260714_CS
14 July 2026

Sheet Reference Number
2 of 40

Revision Number:
5.26.04.06-5.26.04.06

CORPS OF ENGINEERS

U.S. ARMY

13,524,000

324,000

13,525,000

325,000

323,000

PROJECT DEPTH = 27.5'

325,000

13,526,000

13,524,000

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Microsoft, Vantor

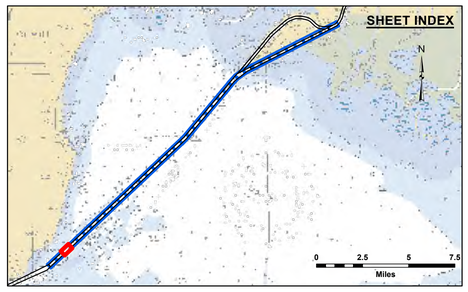
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323,000

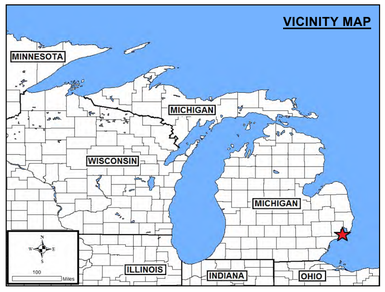
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324,000

SHEET INDEX



VICINITY MAP



LEGEND

- Cable Submarine
- Cable Overhead
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SOUNDING LEGEND

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US Army Corps of Engineers District: CELRE

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U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

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

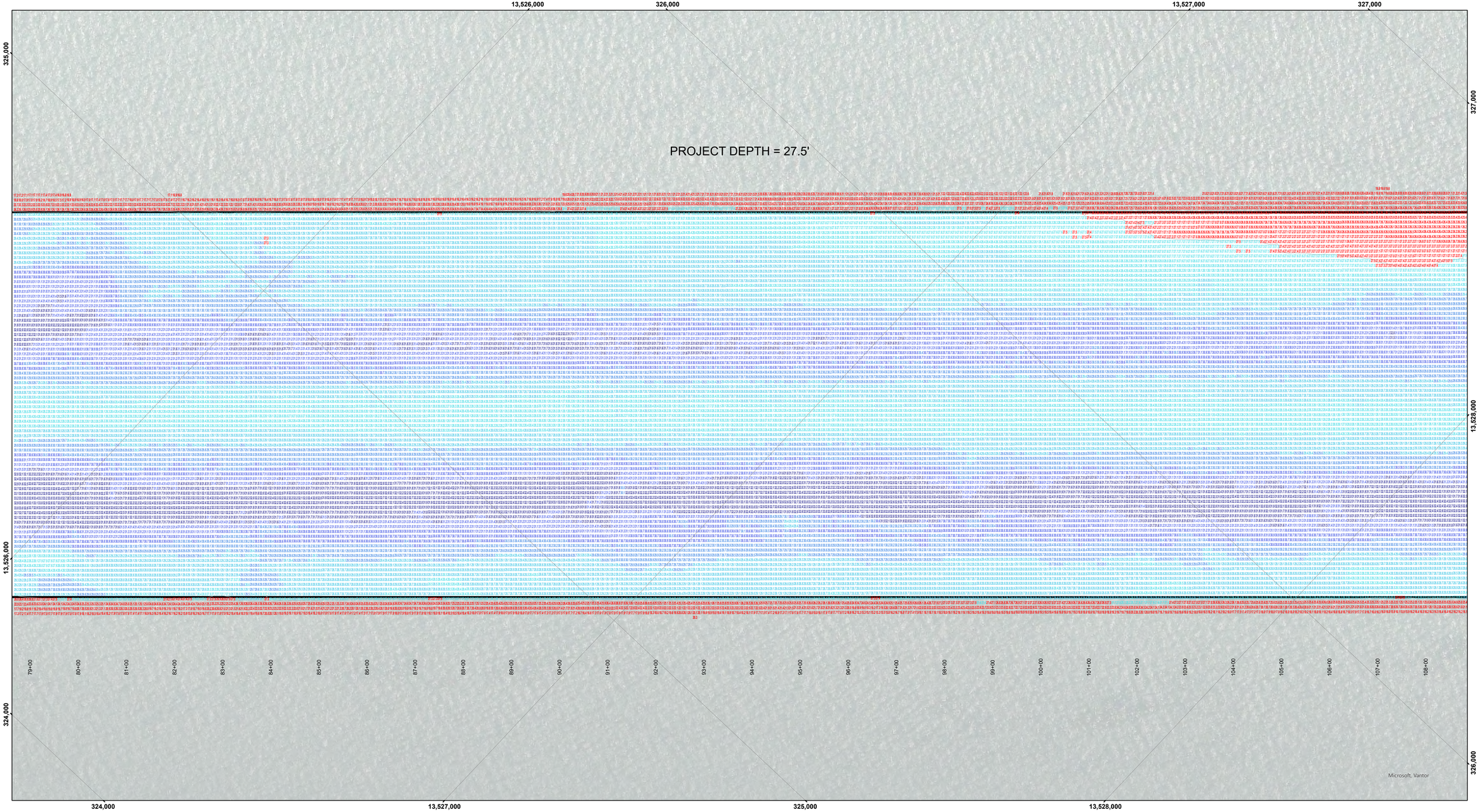
Channels in Lake St. Clair, MI
Channels of Lake St Clair
CL_01_LSC_20260714_CS
14 July 2026

Sheet Reference Number 3 of 40

Revision Number:
5.26.04.06-5.26.04.06

CORPS OF ENGINEERS

U.S. ARMY



US Army Corps of Engineers
District: CELRE

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U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

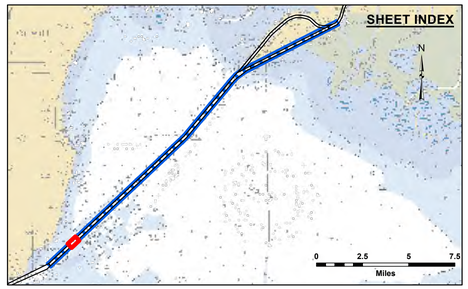
	Surveyed By:	Plotted By:	Checked By:
Submitted:			
Recommended:	Chief, Survey Section		
Approved:	Chief, Technical Services		

Channels in Lake St. Clair, MI
Channels of Lake St Clair
CL_01_LSC_20260714_CS
14 July 2026

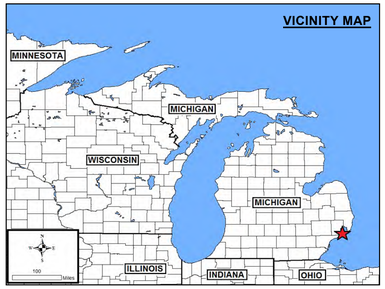
Sheet Reference Number 4 of 40

Revision Number:
5.26.04.06-5.26.04.06

SHEET INDEX



VICINITY MAP



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

AERIAL PHOTOGRAPHY DATA SOURCE: MAXAR< MICROSOFT
ALL COORDINATES ARE IN U.S. SURVEY FEET.

CORPS OF ENGINEERS

U.S. ARMY

327,000 | 13,528,000 | 328,000 | 13,529,000 | 329,000

PROJECT DEPTH = 27.5'

13,530,000

13,529,000

13,528,000

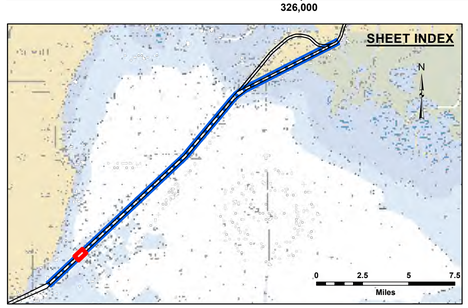
326,000

106+00 | 107+00 | 108+00 | 109+00 | 110+00 | 111+00 | 112+00 | 113+00 | 114+00 | 115+00 | 116+00 | 117+00 | 118+00 | 119+00 | 120+00 | 121+00 | 122+00 | 123+00 | 124+00 | 125+00 | 126+00 | 127+00 | 128+00 | 129+00 | 130+00 | 131+00 | 132+00 | 133+00 | 134+00 | 135+00 | 136+00

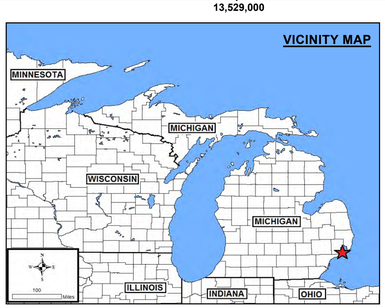
Microsoft, Vantor

326,000 | 13,529,000 | 327,000 | 13,530,000

SHEET INDEX



VICINITY MAP



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U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

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

Channels in Lake St. Clair, MI
Channels of Lake St Clair
CL_01_LSC_20260714_CS
14 July 2026

Sheet Reference Number 5 of 40

Revision Number:
5.26.04.06-5.26.04.06

CORPS OF ENGINEERS

U.S. ARMY

329,000

13,530,000

330,000

13,531,000

PROJECT DEPTH = 27.5'

328,000

13,531,000

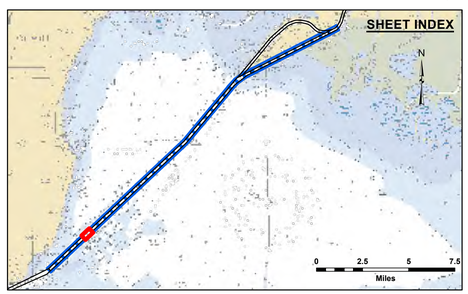
329,000

13,532,000

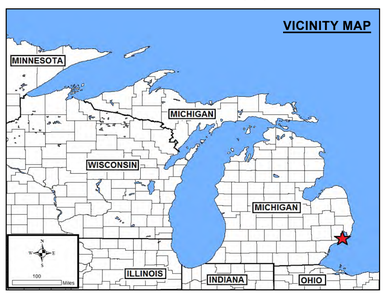
Microsoft, Vantor

134+00 135+00 136+00 137+00 138+00 139+00 140+00 141+00 142+00 143+00 144+00 145+00 146+00 147+00 148+00 149+00 150+00 151+00 152+00 153+00 154+00 155+00 156+00 157+00 158+00 159+00 160+00 161+00 162+00 163+00

SHEET INDEX



VICINITY MAP



LEGEND

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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

AERIAL PHOTOGRAPHY DATA SOURCE: MAXAR< MICROSOFT
ALL COORDINATES ARE IN U.S. SURVEY FEET.

US Army Corps of Engineers
District: CELRE

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13,532,000

Surveyed By: _____

Plotted By: _____

Checked By: _____

U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

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

13,530,000

330,000

Channels in Lake St. Clair, MI
Channels of Lake St Clair
CL_01_LSC_20260714_CS
14 July 2026

Sheet Reference Number 6 of 40

Revision Number:
5.26.04.06-5.26.04.06

CORPS OF ENGINEERS

U.S. ARMY

331,000

13,532,000

332,000

13,533,000

PROJECT DEPTH = 27.5'

330,000

13,534,000

332,000

13,532,000

161+00 162+00 163+00 164+00 165+00 166+00 167+00 168+00 169+00 170+00 171+00 172+00 173+00 174+00 175+00 176+00 177+00 178+00 179+00 180+00 181+00 182+00 183+00 184+00 185+00 186+00 187+00 188+00 189+00 190+00

Microsoft, Vantor

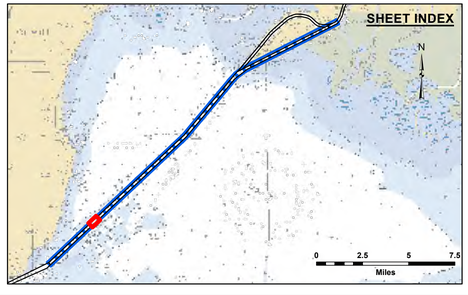
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13,533,000

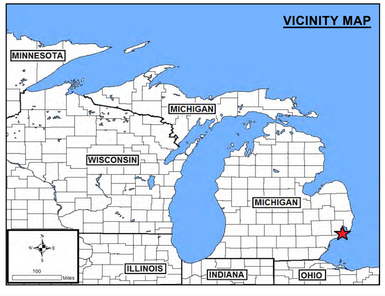
331,000

13,534,000

SHEET INDEX



VICINITY MAP



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

0 100 200 300 400 500 600

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SOFTWARE: HYPACK

AERIAL PHOTOGRAPHY DATA SOURCE: MAXAR< MICROSOFT
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US Army Corps of Engineers
District: CELRE

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Surveyed By: _____

Plotted By: _____

Checked By: _____

U.S. ARMY COPRPS OF ENGINEERS
DETROIT DISTRICT

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

Channels in Lake St. Clair, MI
Channels of Lake St Clair
CL_01_LSC_20260714_CS
14 July 2026

Sheet Reference Number 7 of 40

Revision Number:
5.26.04.06-5.26.04.06

CORPS OF ENGINEERS

U.S. ARMY

333,000

13,534,000

334,000

13,535,000

PROJECT DEPTH = 27.5'

332,000

13,534,000

334,000

13,536,000

188+00 189+00 190+00 191+00 192+00 193+00 194+00 195+00 196+00 197+00 198+00 199+00 200+00 201+00 202+00 203+00 204+00 205+00 206+00 207+00 208+00 209+00 210+00 211+00 212+00 213+00 214+00 215+00 216+00 217+00

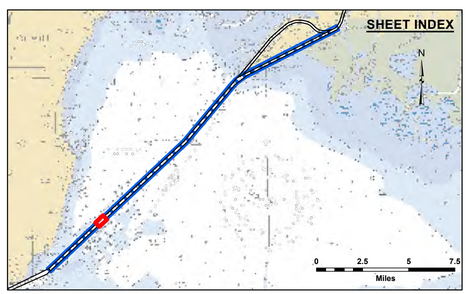
Microsoft, Vantor

13,535,000

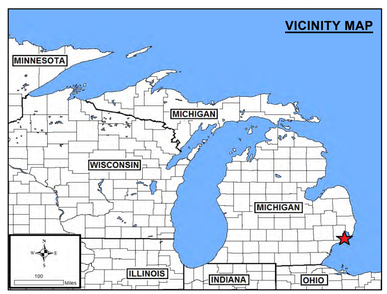
13,536,000

333,000

SHEET INDEX



VICINITY MAP



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

0 100 200 300 400 500 600

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US Army Corps of Engineers
District: CELRE

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U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

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

Channels in Lake St. Clair, MI
Channels of Lake St Clair
CL_01_LSC_20260714_CS
14 July 2026

Sheet Reference Number 8 of 40

Revision Number:
5.26.04.06-5.26.04.06

CORPS OF ENGINEERS

U.S. ARMY

335,000

13,536,000

336,000

13,537,000

PROJECT DEPTH = 27.5'

334,000

336,000

13,536,000

13,538,000

215+00 216+00 217+00 218+00 219+00 220+00 221+00 222+00 223+00 224+00 225+00 226+00 227+00 228+00 229+00 230+00 231+00 232+00 233+00 234+00 235+00 236+00 237+00 238+00 239+00 240+00 241+00 242+00 243+00 244+00

Microsoft, Vantor

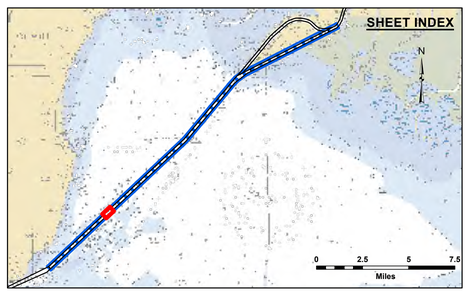
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334,000

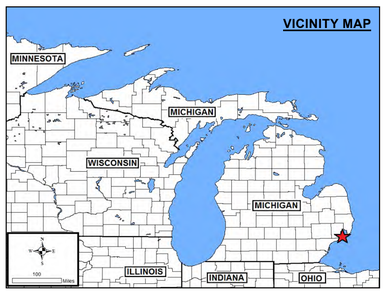
13,538,000

335,000

SHEET INDEX



VICINITY MAP



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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- PROJECT DEPTH +5'

N W E S

1 Inch =100 Feet

Feet

0 100 200 300 400 500 600

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US Army Corps of Engineers District: CELRE

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U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

Surveyed By: _____
Plotted By: _____
Checked By: _____

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

Channels in Lake St. Clair, MI
Channels of Lake St Clair
CL_01_LSC_20260714_CS
14 July 2026

Sheet Reference Number 9 of 40

Revision Number:
5.26.04.06-5.26.04.06

CORPS OF ENGINEERS

U.S. ARMY

337,000

13,538,000

13,539,000

336,000

338,000

13,540,000

PROJECT DEPTH = 27.5'

242+00 243+00 244+00 245+00 246+00 247+00 248+00 249+00 250+00 251+00 252+00 253+00 254+00 255+00 256+00 257+00 258+00 259+00 260+00 261+00 262+00 263+00 264+00 265+00 266+00 267+00 268+00 269+00 270+00 271+00 272+00

Microsoft, Vantor

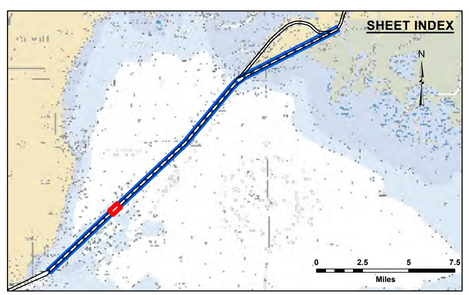
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336,000

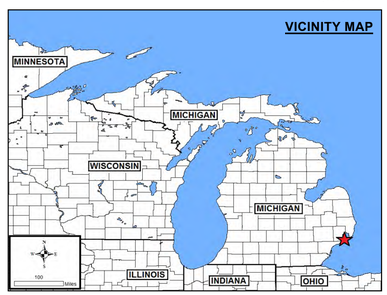
13,540,000

337,000

SHEET INDEX



VICINITY MAP



LEGEND

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

SOUNDING LEGEND

- LESS THAN PROJECT DEPTH
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W N S E

1 Inch =100 Feet

Feet

0 100 200 300 400 500 600

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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

Channels in Lake St. Clair, MI
Channels of Lake St Clair
CL_01_LSC_20260714_CS
14 July 2026

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10 of 40

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13,540,000 13,541,000 340,000

338,000

PROJECT DEPTH = 27.5'

340,000

13,542,000

13,540,000

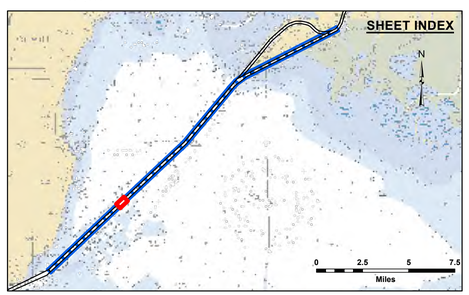
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337,000

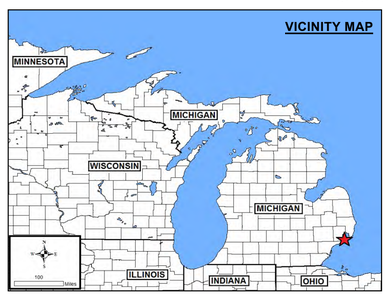
Microsoft, Vantor

337,000 13,541,000 338,000 13,542,000 339,000

SHEET INDEX



VICINITY MAP



LEGEND

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SOUNDING LEGEND

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CORPS OF ENGINEERS

U.S. ARMY

340,000 | 341,000 | 342,000 | 343,000 | 344,000

13,542,000

13,543,000

13,544,000

PROJECT DEPTH = 27.5'

297+00 | 298+00 | 299+00 | 300+00 | 301+00 | 302+00 | 303+00 | 304+00 | 305+00 | 306+00 | 307+00 | 308+00 | 309+00 | 310+00 | 311+00 | 312+00 | 313+00 | 314+00 | 315+00 | 316+00 | 317+00 | 318+00 | 319+00 | 320+00 | 321+00 | 322+00 | 323+00 | 324+00 | 325+00 | 326+00

339,000 | 13,543,000 | 340,000 | 13,544,000

Microsoft, Vantor

US Army Corps of Engineers
District: CELRE

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U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

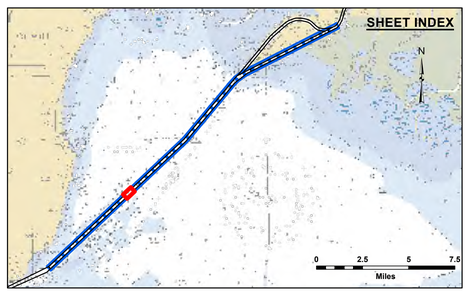
Surveyed By:	Submitted:	
Plotted By:	Recommended:	Chief, Survey Section
Checked By:	Approved:	Chief, Technical Services

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CL_01_LSC_20260714_CS
14 July 2026

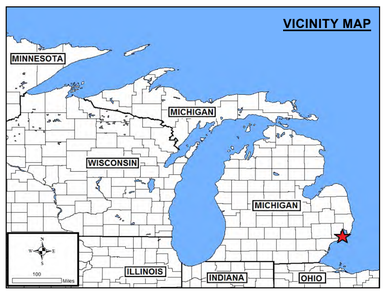
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5.26.04.06-5.26.04.06

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VICINITY MAP



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'

N NE E SE S

1 Inch =100 Feet

Feet
0 100 200 300 400 500 600

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

AERIAL PHOTOGRAPHY DATA SOURCE: MAXAR< MICROSOFT
ALL COORDINATES ARE IN U.S. SURVEY FEET.

CORPS OF ENGINEERS

U.S. ARMY

342,000

13,544,000

343,000

13,545,000

PROJECT DEPTH = 27.5'

341,000

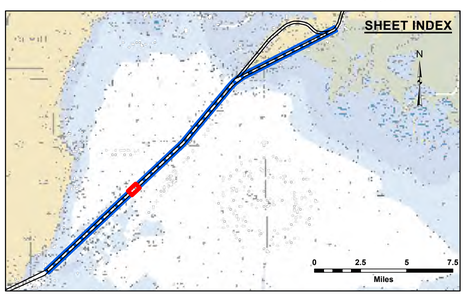
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342,000

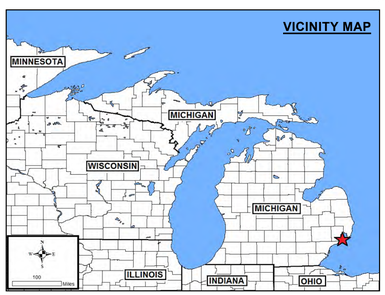
13,546,000

Microsoft, Vantor

SHEET INDEX



VICINITY MAP



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DETROIT DISTRICT

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

Channels in Lake St. Clair, MI
Channels of Lake St Clair
CL_01_LSC_20260714_CS
14 July 2026

Sheet Reference Number 13 of 40

Revision Number:
5.26.04.06-5.26.04.06

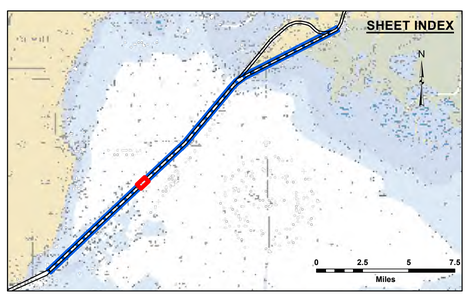
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PROJECT DEPTH = 27.5'

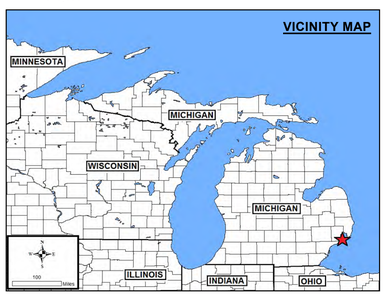
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Microsoft, Vantor

SHEET INDEX



VICINITY MAP



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District: CELRE

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DETROIT DISTRICT

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

Channels in Lake St. Clair, MI
Channels of Lake St Clair
CL_01_LSC_20260714_CS
14 July 2026

Sheet Reference Number 14 of 40

Revision Number:
5.26.04.06-5.26.04.06

CORPS OF ENGINEERS

U.S. ARMY

346,000

13,548,000

347,000

13,549,000

PROJECT DEPTH = 27.5'

345,000

13,548,000

347,000

13,549,000

379+00 380+00 381+00 382+00 383+00 384+00 385+00 386+00 387+00 388+00 389+00 390+00 391+00 392+00 393+00 394+00 395+00 396+00 397+00 398+00 399+00 400+00 401+00 402+00 403+00 404+00 405+00 406+00 407+00 408+00

345,000

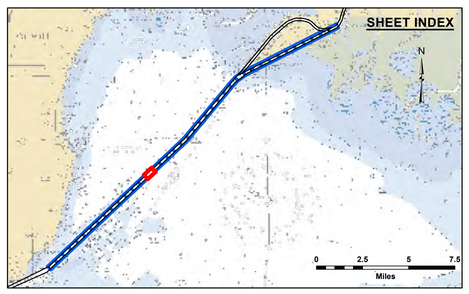
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346,000

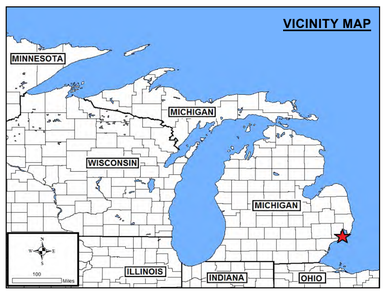
13,550,000

Microsoft, Vantor

SHEET INDEX



VICINITY MAP



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US Army Corps of Engineers
District: CELRE

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U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

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

Channels in Lake St. Clair, MI
Channels of Lake St Clair
CL_01_LSC_20260714_CS
14 July 2026

Sheet Reference Number
15 of 40

Revision Number:
5.26.04.06-5.26.04.06

CORPS OF ENGINEERS

U.S. ARMY

348,000

13,550,000

349,000

13,551,000

PROJECT DEPTH = 27.5'

347,000

13,550,000

13,552,000

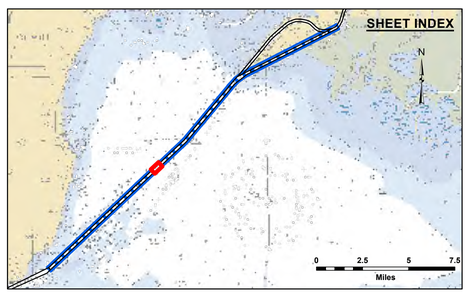
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408+00 407+00 408+00 409+00 410+00 411+00 412+00 413+00 414+00 415+00 416+00 417+00 418+00 419+00 420+00 421+00 422+00 423+00 424+00 425+00 426+00 427+00 428+00 429+00 430+00 431+00 432+00 433+00 434+00 435+00

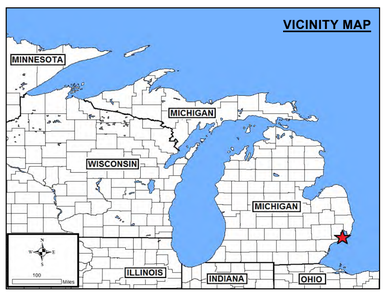
347,000 13,551,000 13,552,000

Microsoft, Vantor

SHEET INDEX



VICINITY MAP



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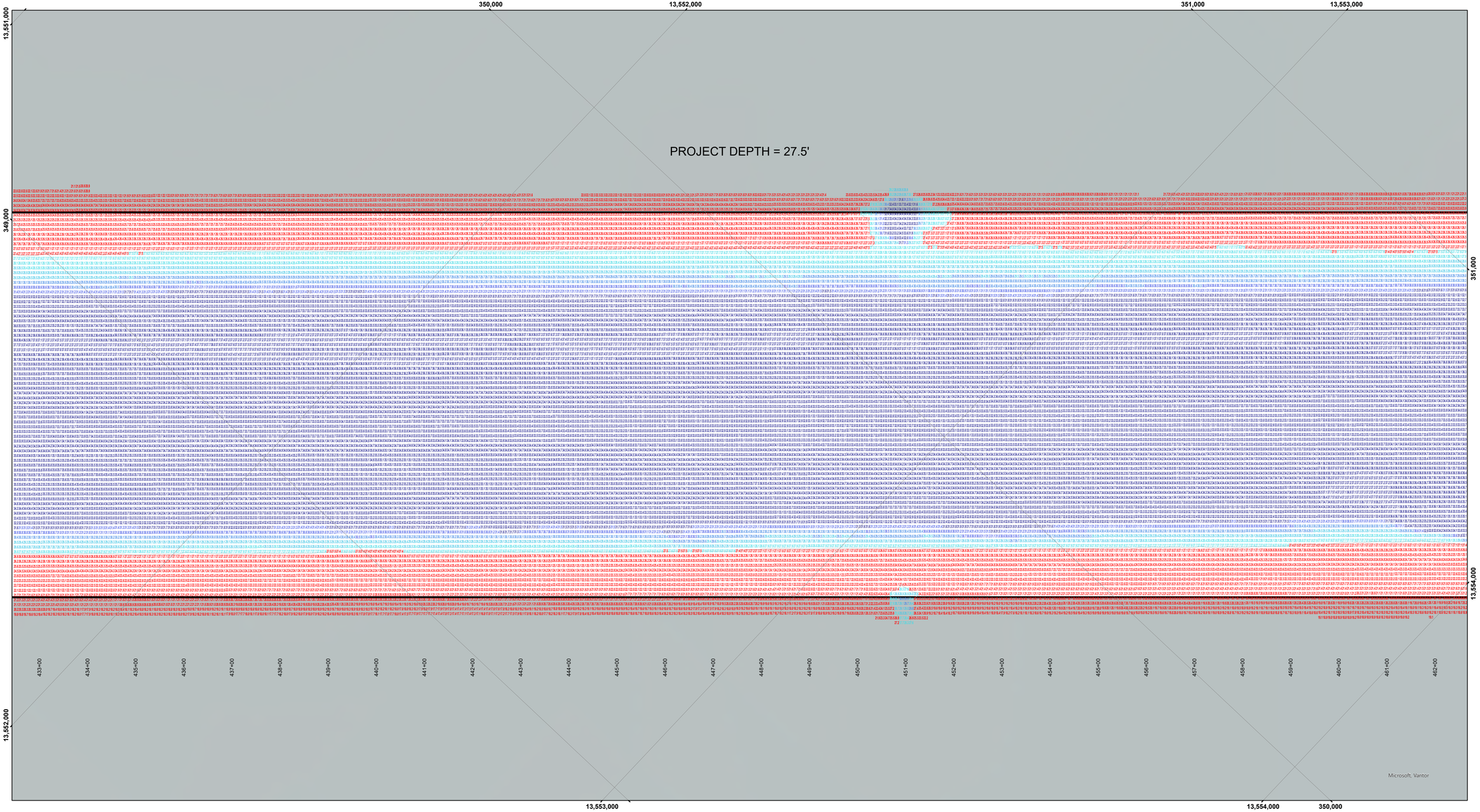
Channels in Lake St. Clair, MI
Channels of Lake St Clair
CL_01_LSC_20260714_CS
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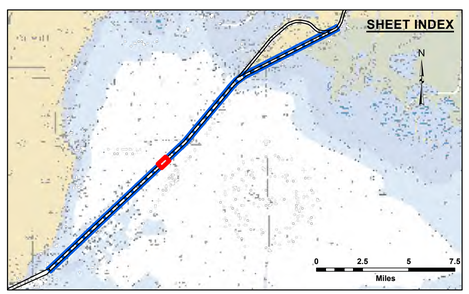
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CORPS OF ENGINEERS

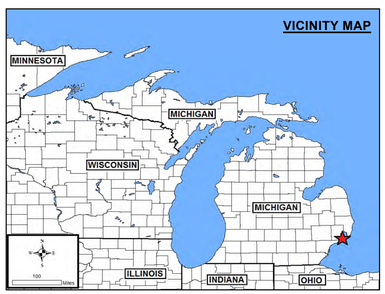
U.S. ARMY



SHEET INDEX



VICINITY MAP



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

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Channels of Lake St Clair
CL_01_LSC_20260714_CS
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CORPS OF ENGINEERS

U.S. ARMY

13,553,000 352,000 13,554,000 353,000 13,555,000

13,553,000

351,000

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460+00 461+00 462+00 463+00 464+00 465+00 466+00 467+00 468+00 469+00 470+00 471+00 472+00 473+00 474+00 475+00 476+00 477+00 478+00 479+00 480+00 481+00 482+00 483+00 484+00 485+00 486+00 487+00 488+00 489+00

13,555,000 351,000 13,556,000 352,000

13,556,000

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US Army Corps of Engineers District: CELRE

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U.S. ARMY CORPS OF ENGINEERS
DETROIT DISTRICT

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Plotted By: _____
Checked By: _____

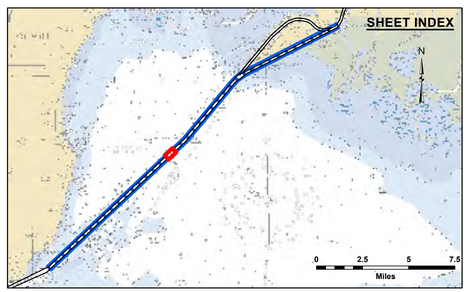
Submitted:	Chief, Survey Section	Chief, Technical Services
Recommended:		
Approved:		

Channels in Lake St. Clair, MI
Channels of Lake St Clair
CL_01_LSC_20260714_CS
14 July 2026

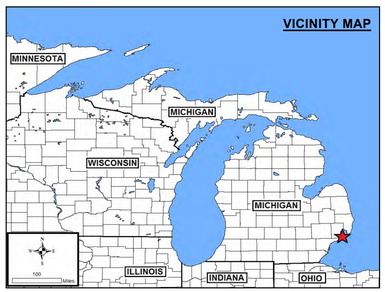
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VICINITY MAP



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'

W N S E

1 Inch =100 Feet

Feet

0 100 200 300 400 500 600

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:
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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.

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TIDE VALUES ARE DERRIVED FROM THE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION (NOAA) WATER LEVEL STATIONS:
ST CLAIR SHORES, MI (#9034052)

POSITIONING:APPLANIX POS-MV4 W/ VRS/RTK OR MARINESTAR GNSS.
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SOFTWARE: HYPACK

AERIAL PHOTOGRAPHY DATA SOURCE: MAXAR< MICROSOFT
ALL COORDINATES ARE IN U.S. SURVEY FEET.

CORPS OF ENGINEERS

U.S. ARMY

13,555,000

354,000 13,556,000

13,557,000

13,555,000

355,000

PROJECT DEPTH = 27.5'

352,000

13,556,000

13,556,000

354,000

487+00 488+00 489+00 490+00 491+00 492+00 493+00 494+00 495+00 496+00 497+00 498+00 499+00 500+00 501+00 502+00 503+00 504+00 505+00 506+00 507+00 508+00 509+00 510+00 511+00 512+00 513+00 514+00 515+00 516+00 517+00

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Checked By:

Submitted:

Recommended: Chief, Survey Section

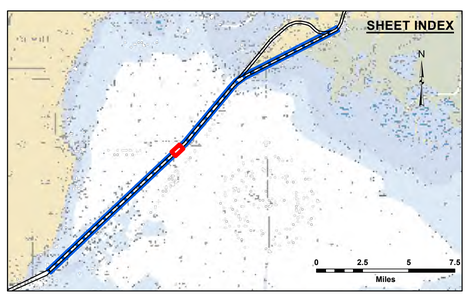
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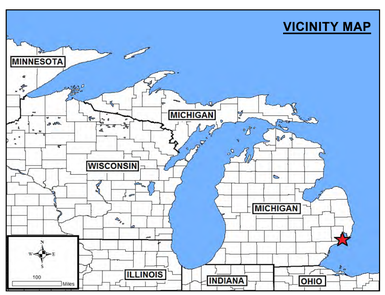
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13,557,000 355,000 13,558,000 13,559,000 357,000

PROJECT DEPTH = 27.5'

354,000 13,558,000 13,559,000 355,000 13,560,000 356,000

515+00 516+00 517+00 518+00 519+00 520+00 521+00 522+00 523+00 524+00 525+00 526+00 527+00 528+00 529+00 530+00 531+00 532+00 533+00 534+00 535+00 536+00 537+00 538+00 539+00 540+00 541+00 542+00 543+00

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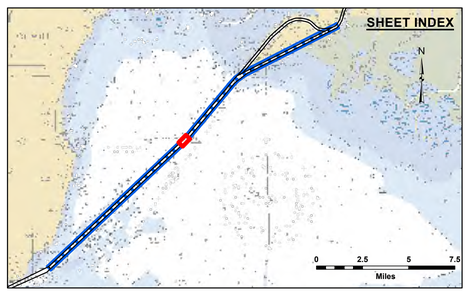
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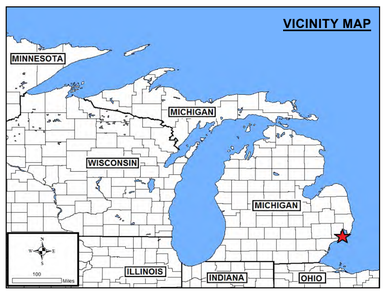
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