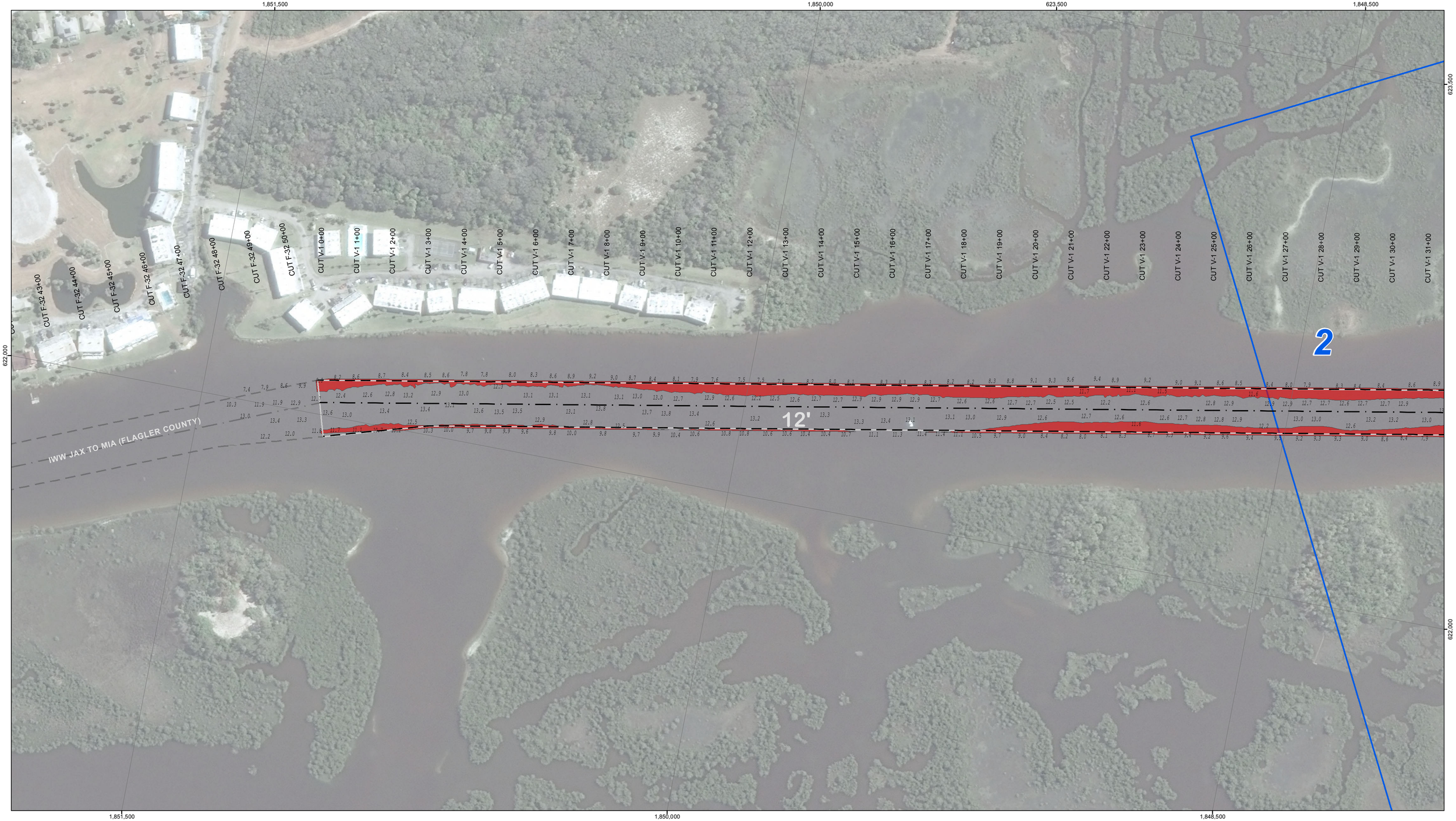


Sheet Reference Number 1 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

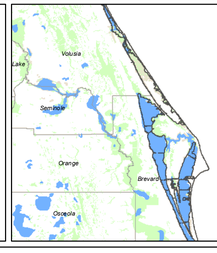
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

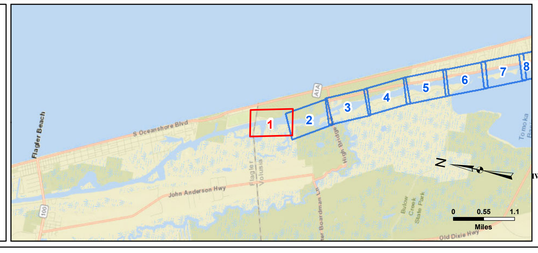
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

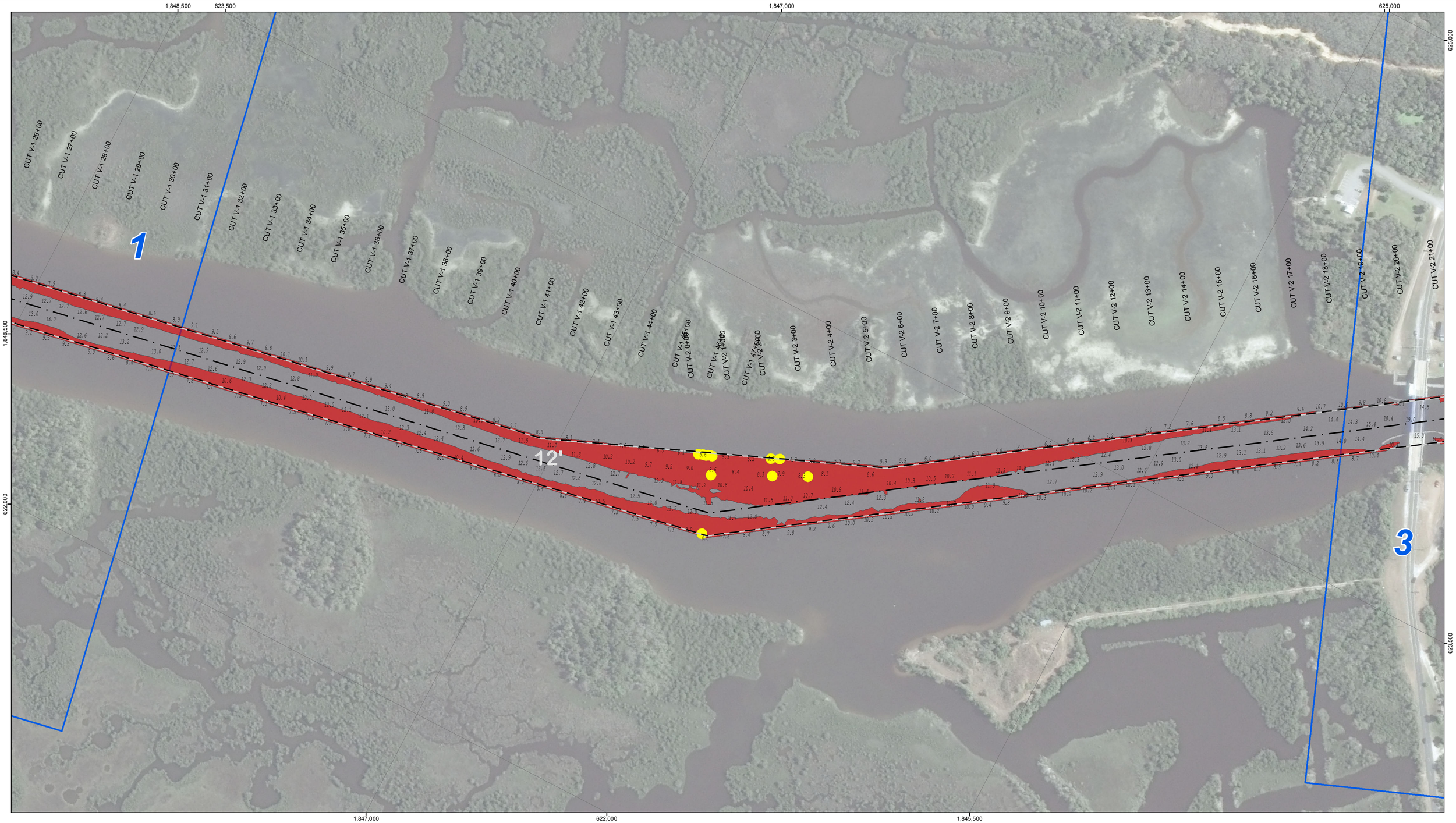
Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER

1 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

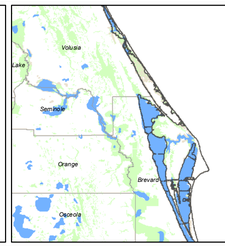
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

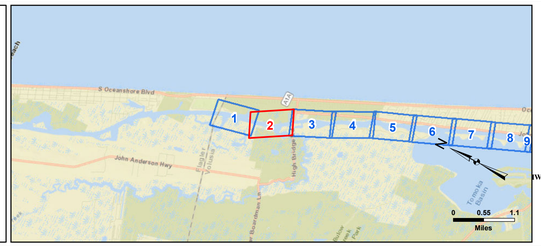
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

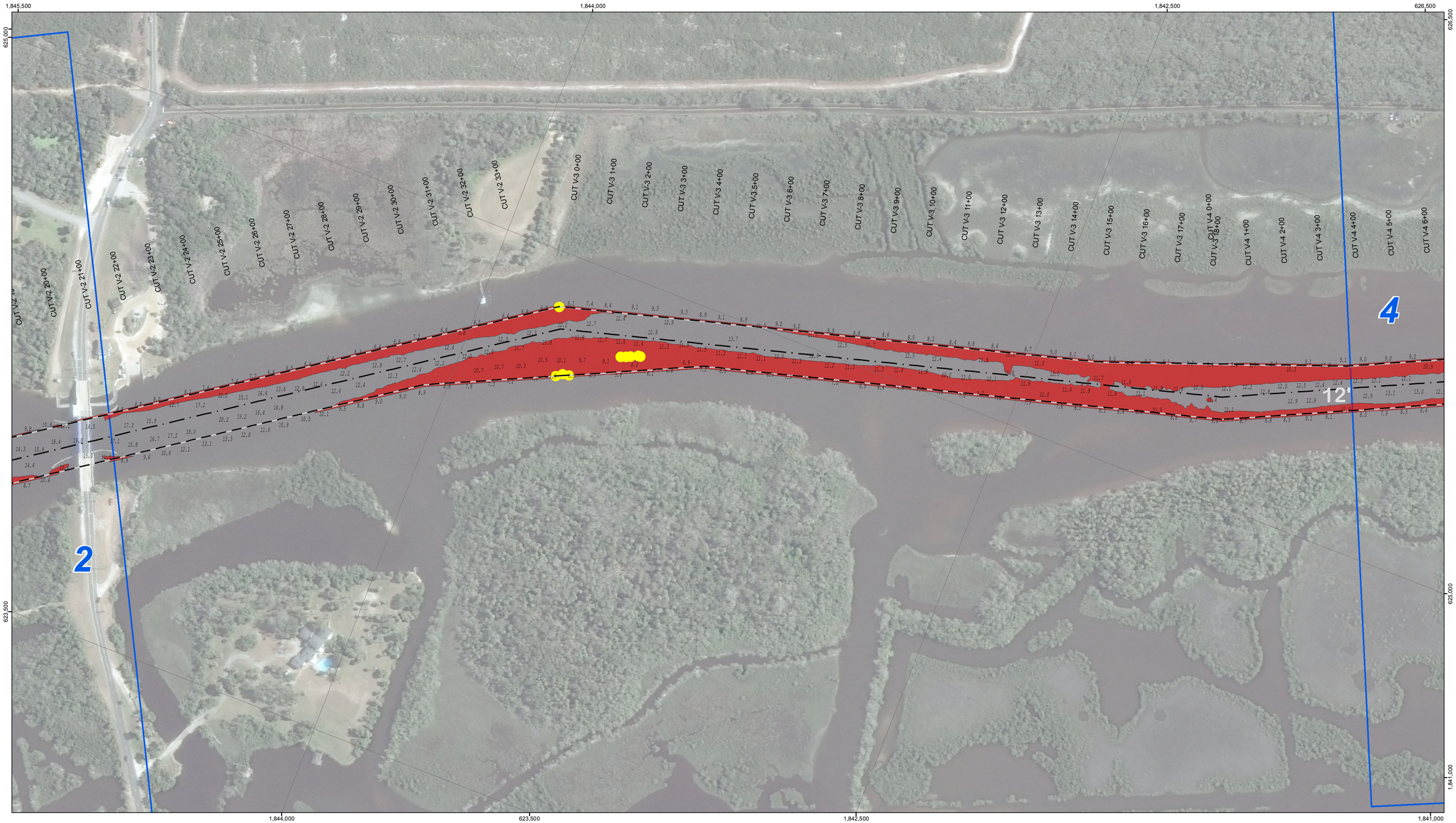
Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER

2 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 3 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

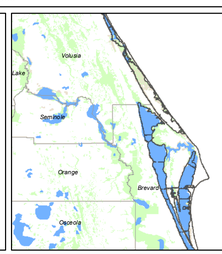
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

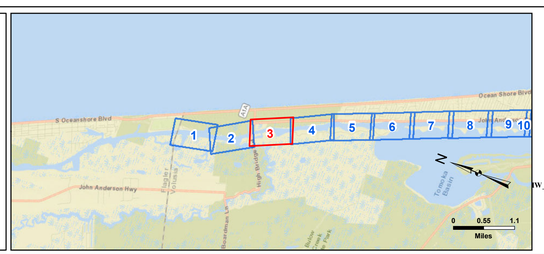
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator



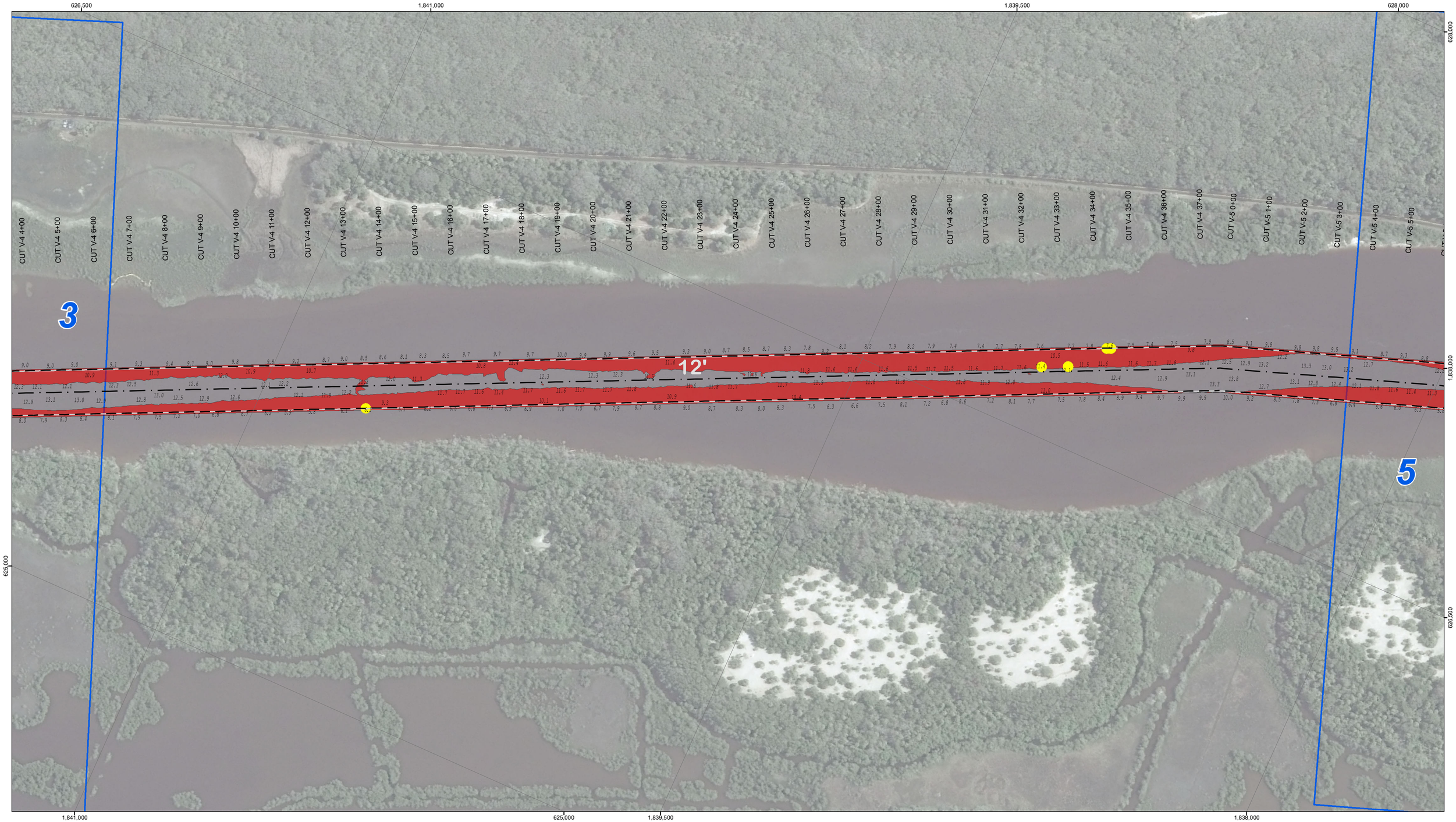


Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
3 of 77

Document Name: IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved: 3/24/2022
Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

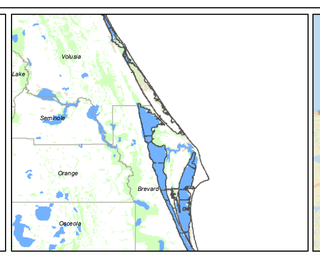
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

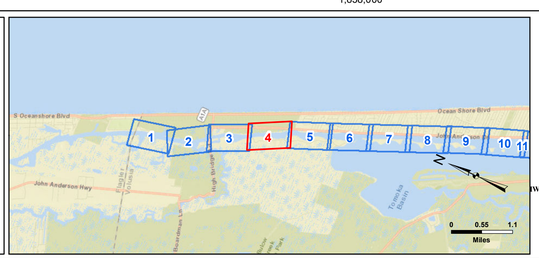
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
4 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

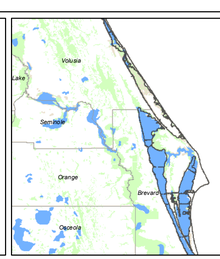
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

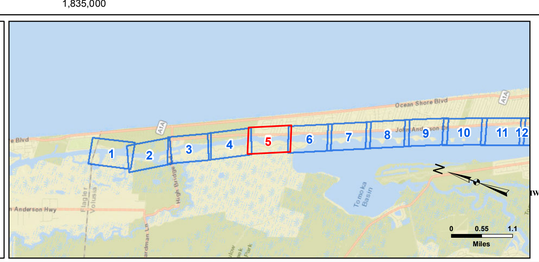
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





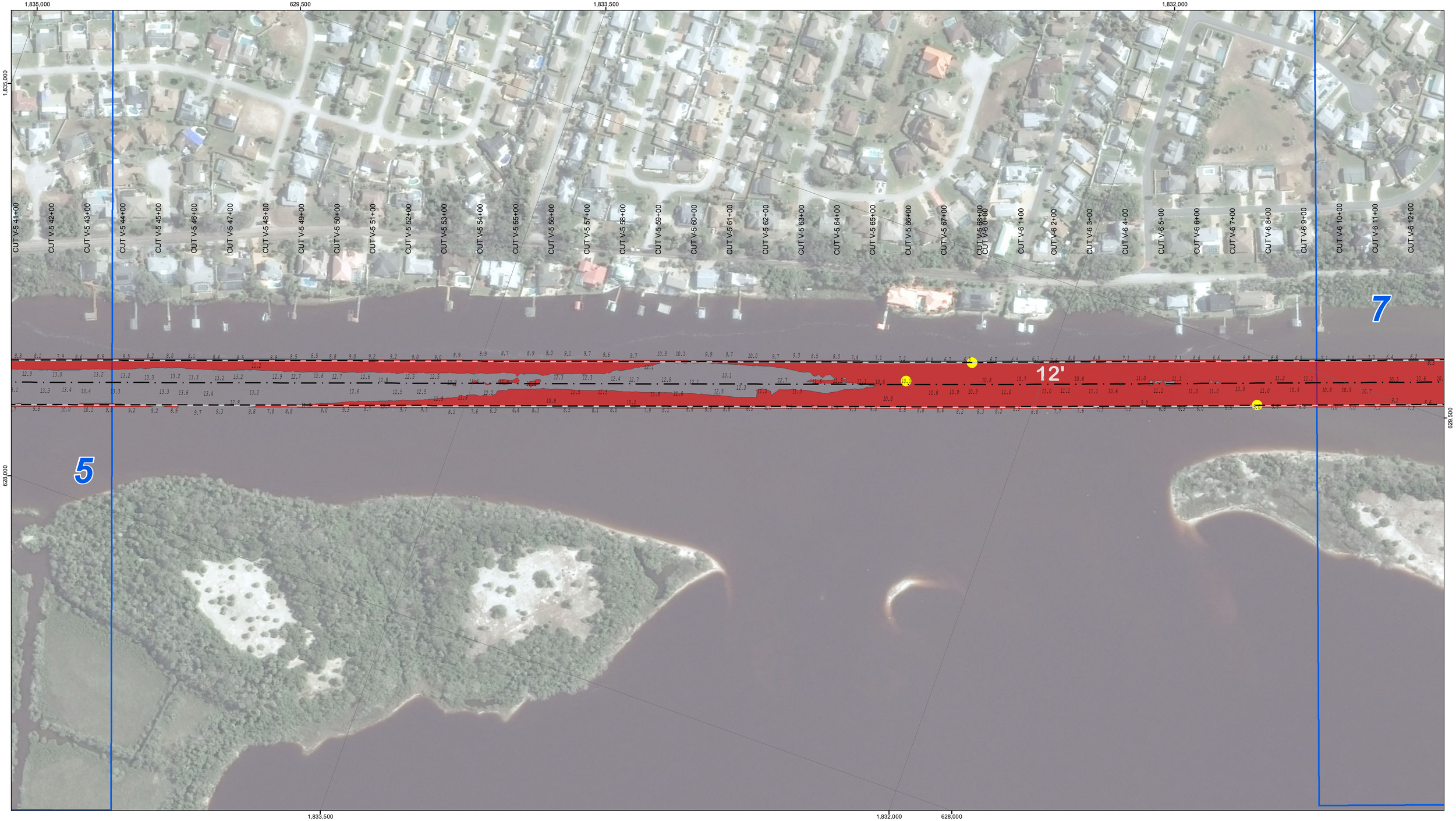
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
5 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

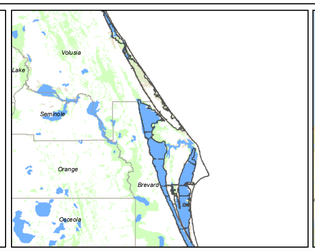
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

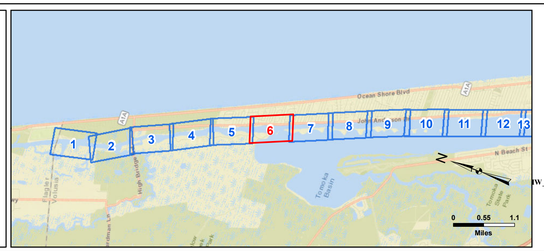
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER

6 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF

Date Saved: 3/24/2022

Revison Number: 4.2-20200420

This survey mapbook supersedes all previous versions.



IWW JAX TO MIA (VOLUSIA COUNTY)

Sheet Reference Number 7 of 77

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

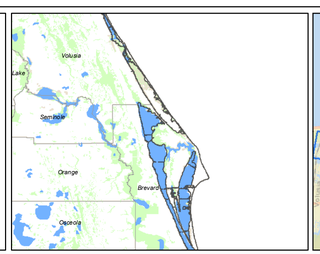
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

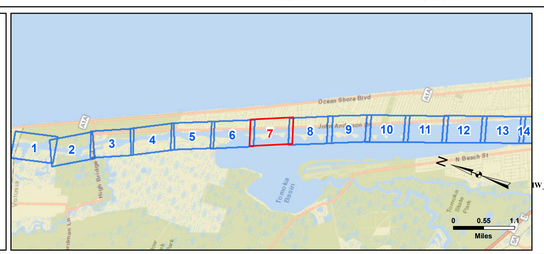
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
7 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

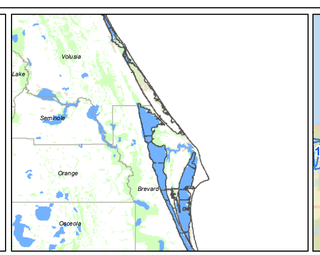
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

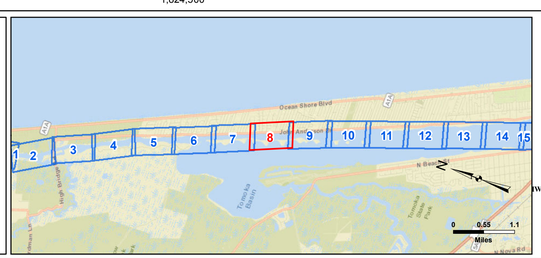
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
8 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

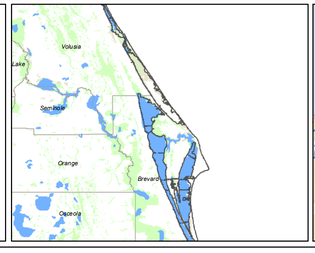
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

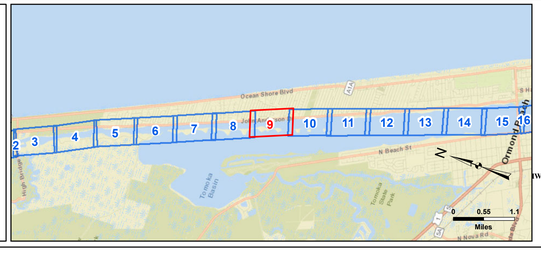
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
9 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revision Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



IWW JAX TO MIA (VOLUSIA COUNTY)

Sheet Reference Number 10 of 77

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

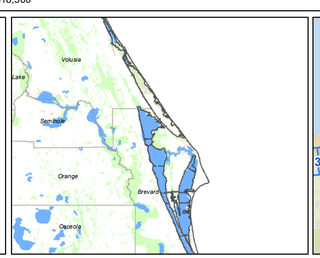
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

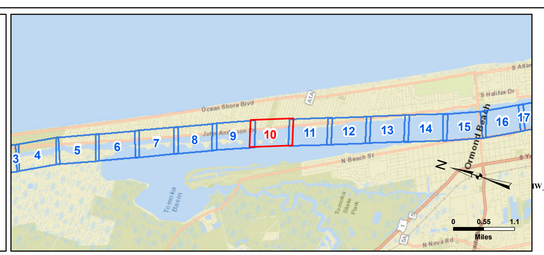
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator



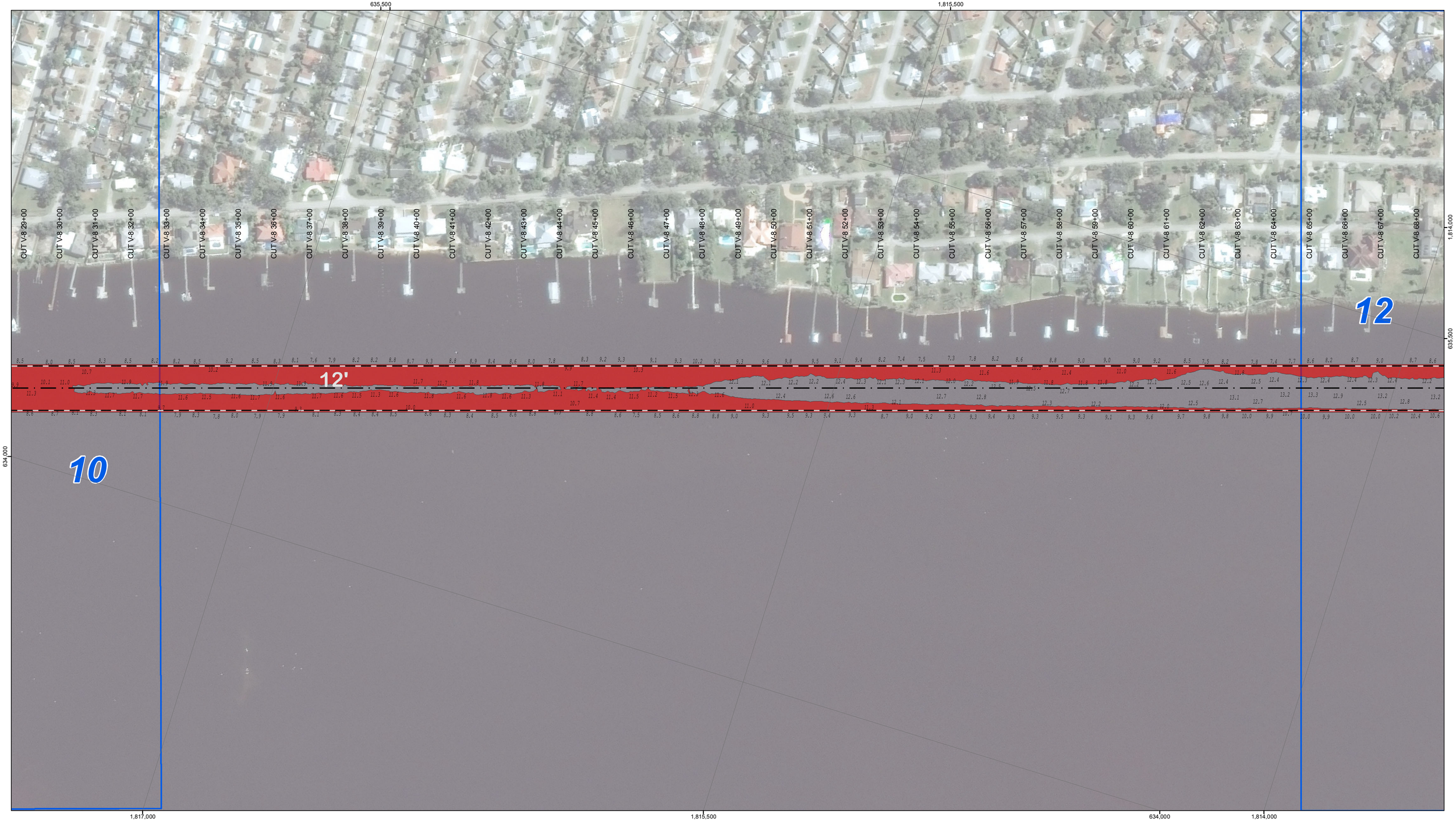


Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
10 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022
Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Rohar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

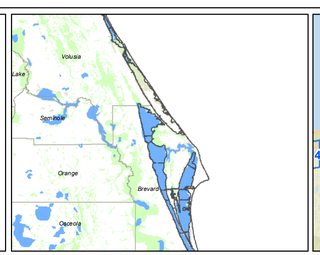
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

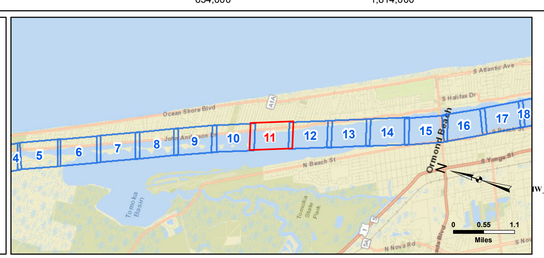
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





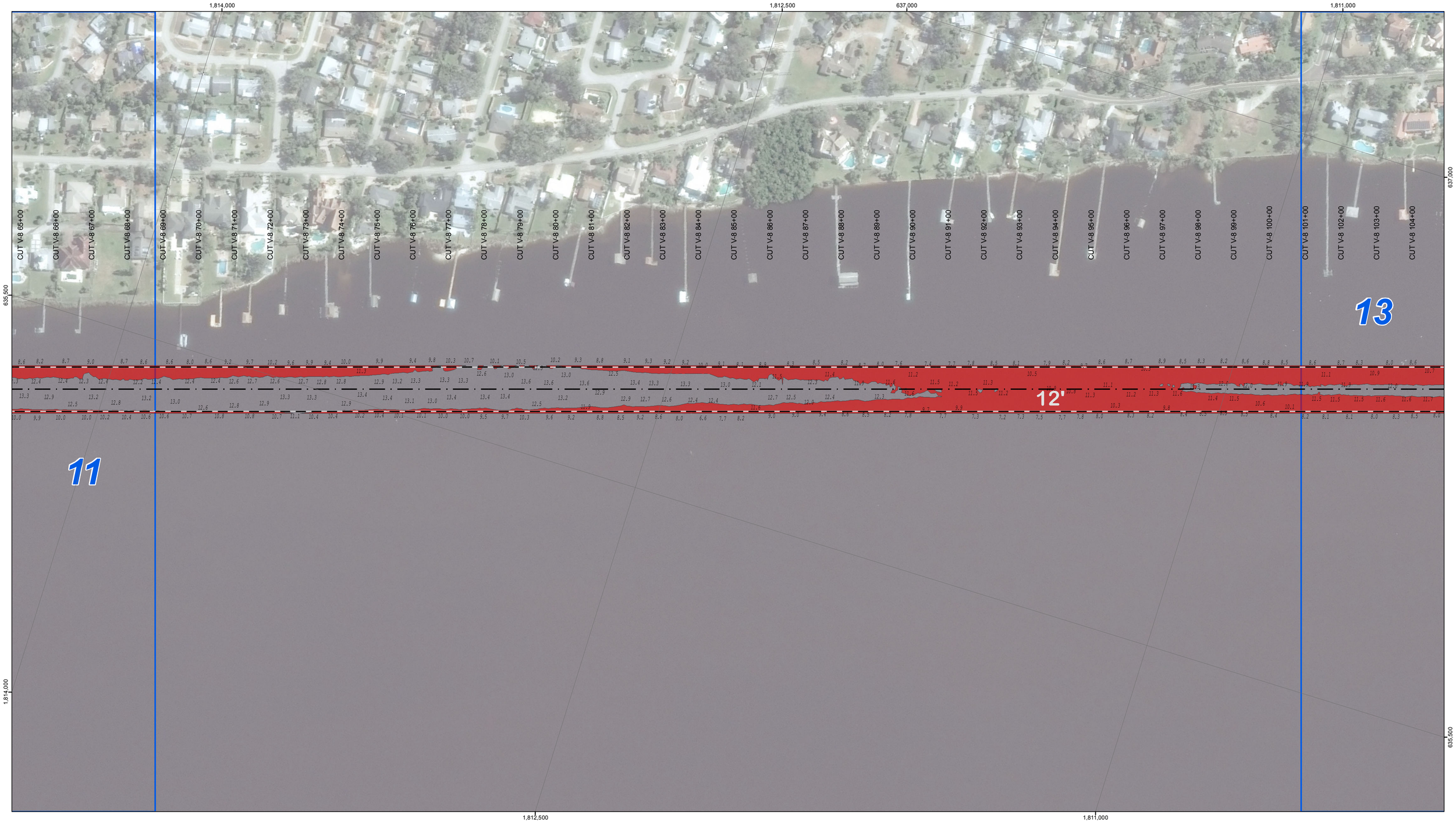
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
11 of 77

Document Name:
IWW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Rohar
Chief, Geomatics Engineering Section
(EN-DG)

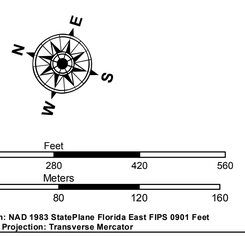
GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

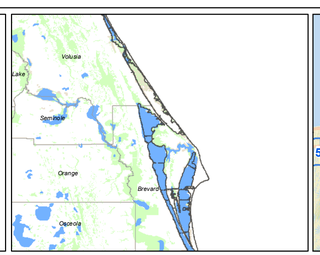
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

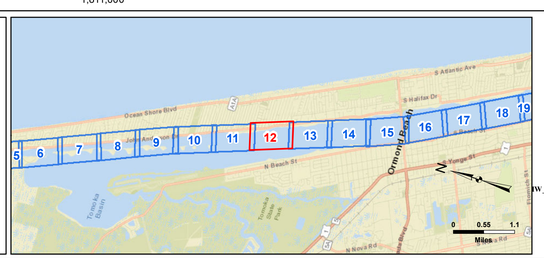
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator



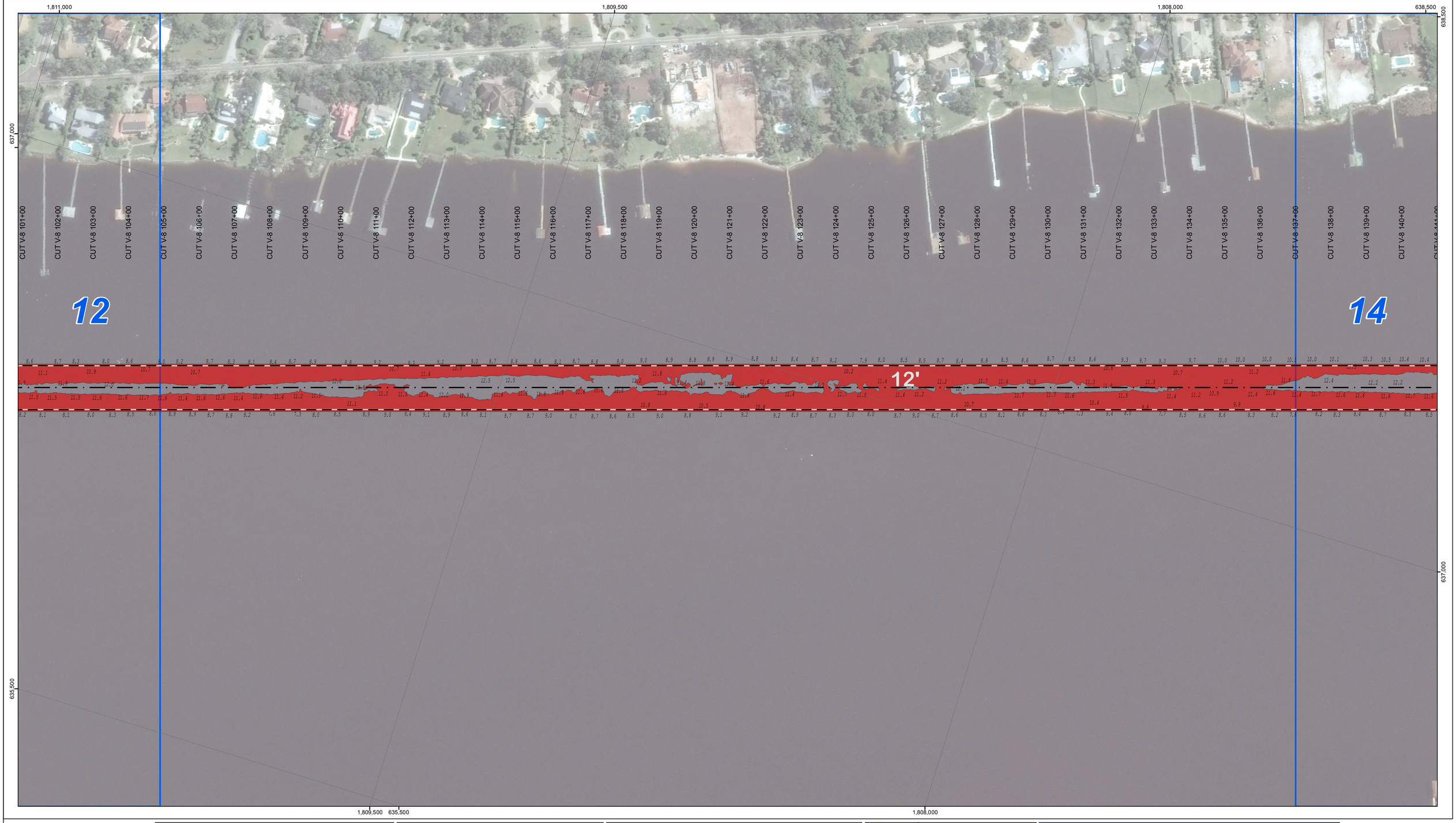


Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
12 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022
Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 13 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch (OD-H)

David Robar
Chief, Geomatics Engineering Section (EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

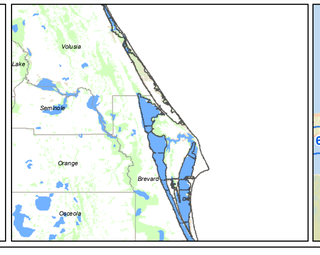
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

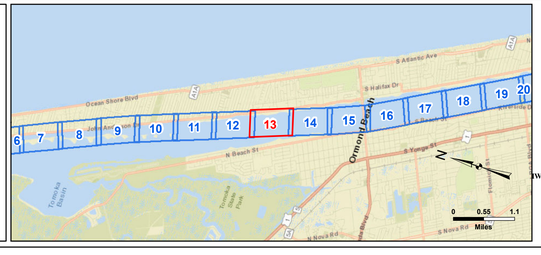
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
13 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revision Number: 4.2-20200420
This survey mapbook supersedes all previous versions.

638,500 1,806,500 1,805,000

CUT V-8 138+00 CUT V-8 139+00 CUT V-8 140+00 CUT V-8 141+00 CUT V-8 142+00 CUT V-8 143+00 CUT V-8 144+00 CUT V-8 145+00 CUT V-8 146+00 CUT V-8 147+00 CUT V-8 148+00 CUT V-8 149+00 CUT V-8 150+00 CUT V-8 151+00 CUT V-8 152+00 CUT V-8 153+00 CUT V-8 154+00 CUT V-8 155+00 CUT V-8 156+00 CUT V-8 157+00 CUT V-8 158+00 CUT V-8 159+00 CUT V-8 160+00 CUT V-8 161+00 CUT V-8 162+00 CUT V-8 163+00 CUT V-8 164+00 CUT V-8 165+00 CUT V-8 166+00 CUT V-8 167+00 CUT V-8 168+00 CUT V-8 169+00 CUT V-8 170+00 CUT V-8 171+00 CUT V-8 172+00 CUT V-8 173+00 CUT V-8 174+00 CUT V-8 175+00 CUT V-8 176+00 CUT V-8 177+00

12'

13

15

638,500

637,000

1,806,500 1,805,000 637,000 1,803,500

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Rohar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

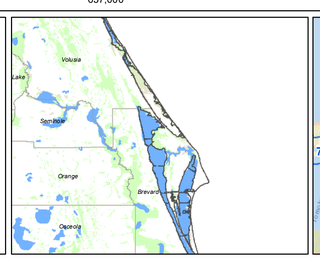
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

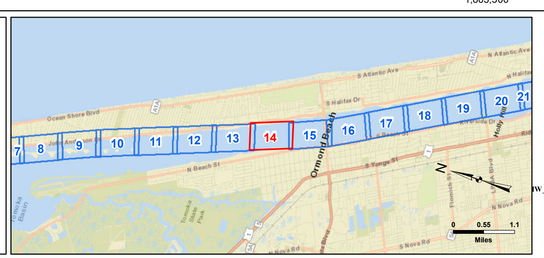
Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

N E S W

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
14 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.

1,803,500 640,000 1,802,000 1,800,500

CUT V-8 173+00 CUT V-8 174+00 CUT V-8 175+00 CUT V-8 176+00 CUT V-8 177+00 CUT V-8 178+00 CUT V-8 179+00 CUT V-8 180+00 CUT V-8 181+00 CUT V-8 182+00 CUT V-8 183+00 CUT V-8 184+00 CUT V-8 185+00 CUT V-8 186+00 CUT V-8 187+00 CUT V-8 188+00 CUT V-8 189+00 CUT V-8 190+00 CUT V-8 191+00 CUT V-8 192+00 CUT V-8 193+00 CUT V-8 194+00 CUT V-8 195+00 CUT V-9 0+00 CUT V-8 196+00 CUT V-9 1+00 CUT V-9 2+00 CUT V-9 3+00 CUT V-9 4+00 CUT V-9 5+00 CUT V-9 6+00 CUT V-9 7+00 CUT V-9 8+00 CUT V-9 9+00 CUT V-9 10+00 CUT V-9 11+00 CUT V-9 12+00 CUT V-9 13+00 CUT V-9 14+00 CUT V-9 15+00 CUT V-9 16+00 CUT V-9 17+00

638,500 640,000

12'

14

16

1,803,500 1,802,000 1,800,500 638,500

Sheet Reference Number 15 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

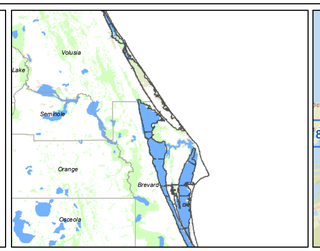
Legend

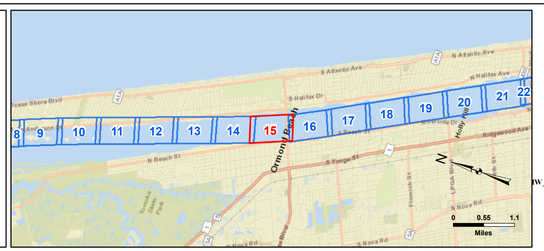
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.
Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





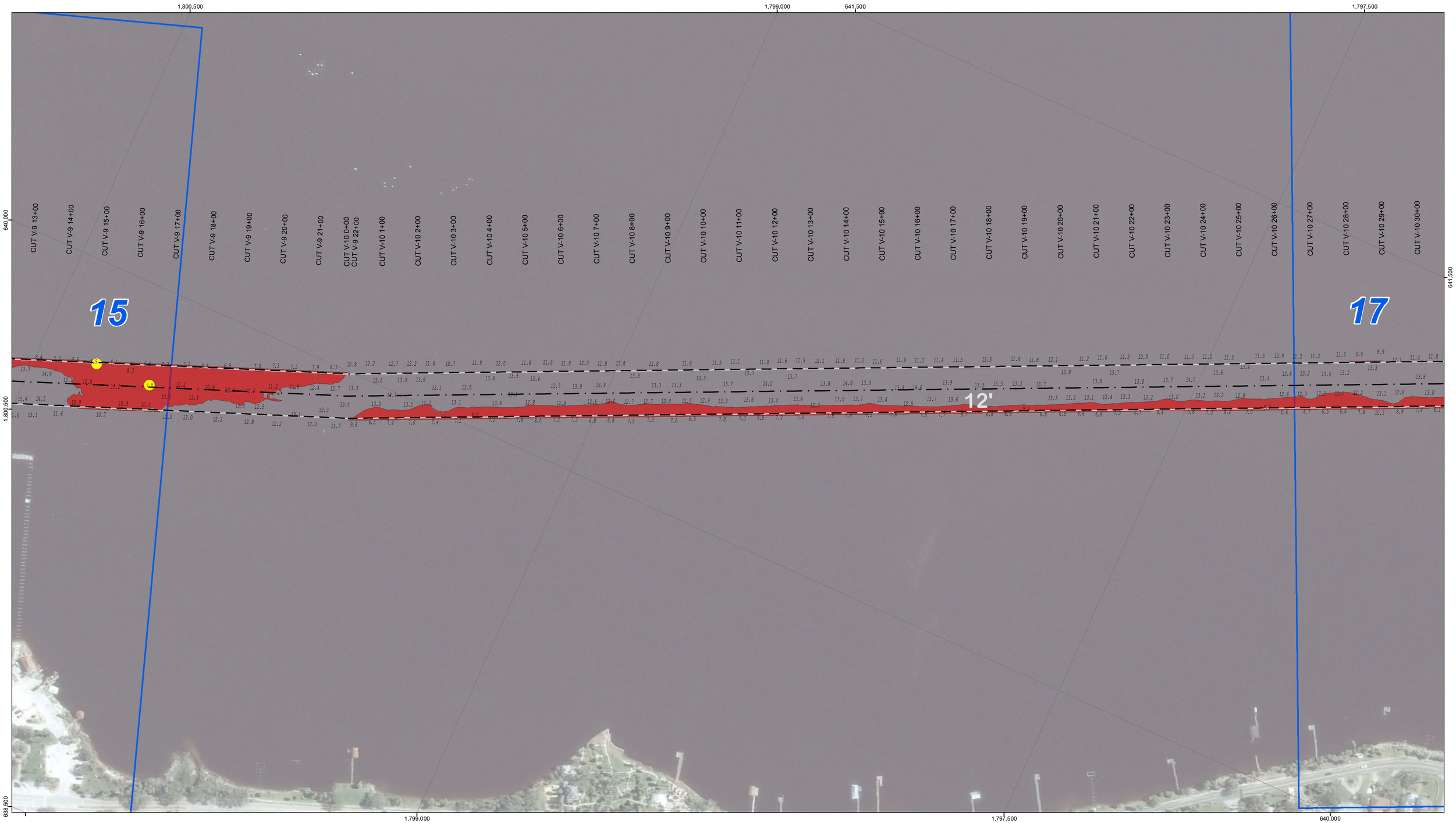
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
15 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 16 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

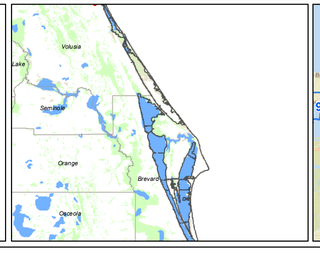
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

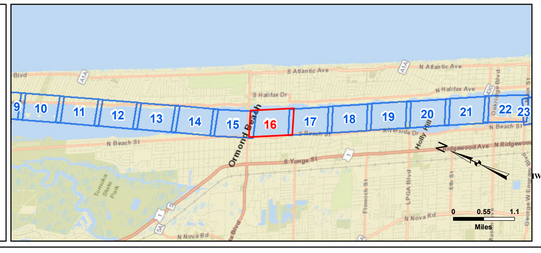
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





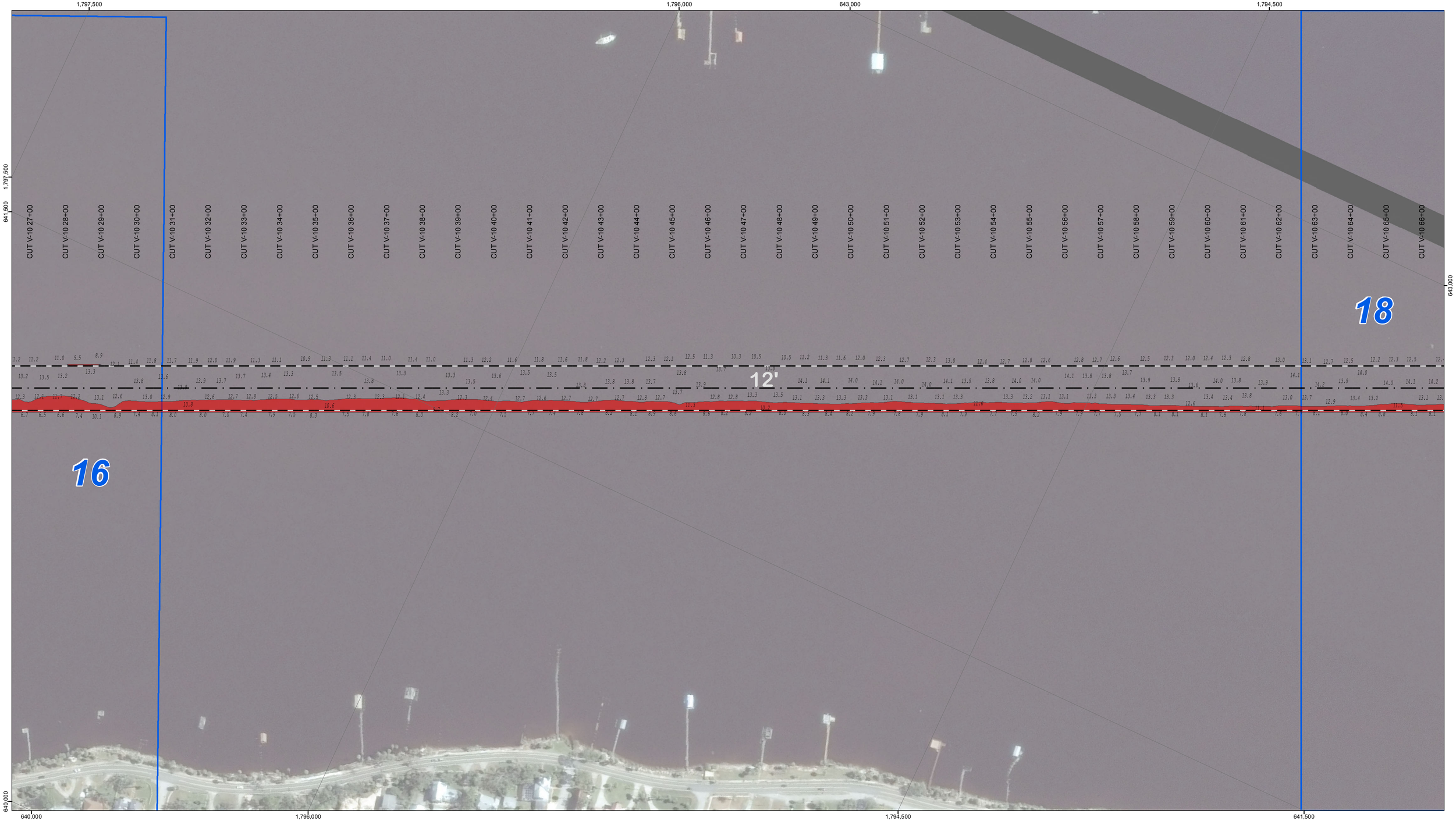
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
16 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 17 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

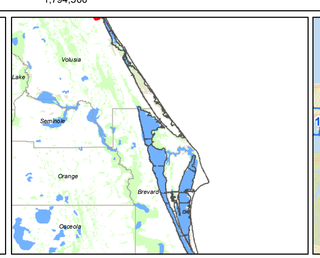
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

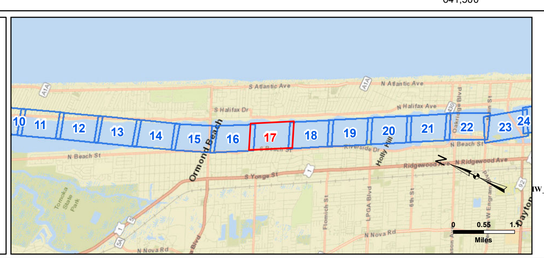
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator



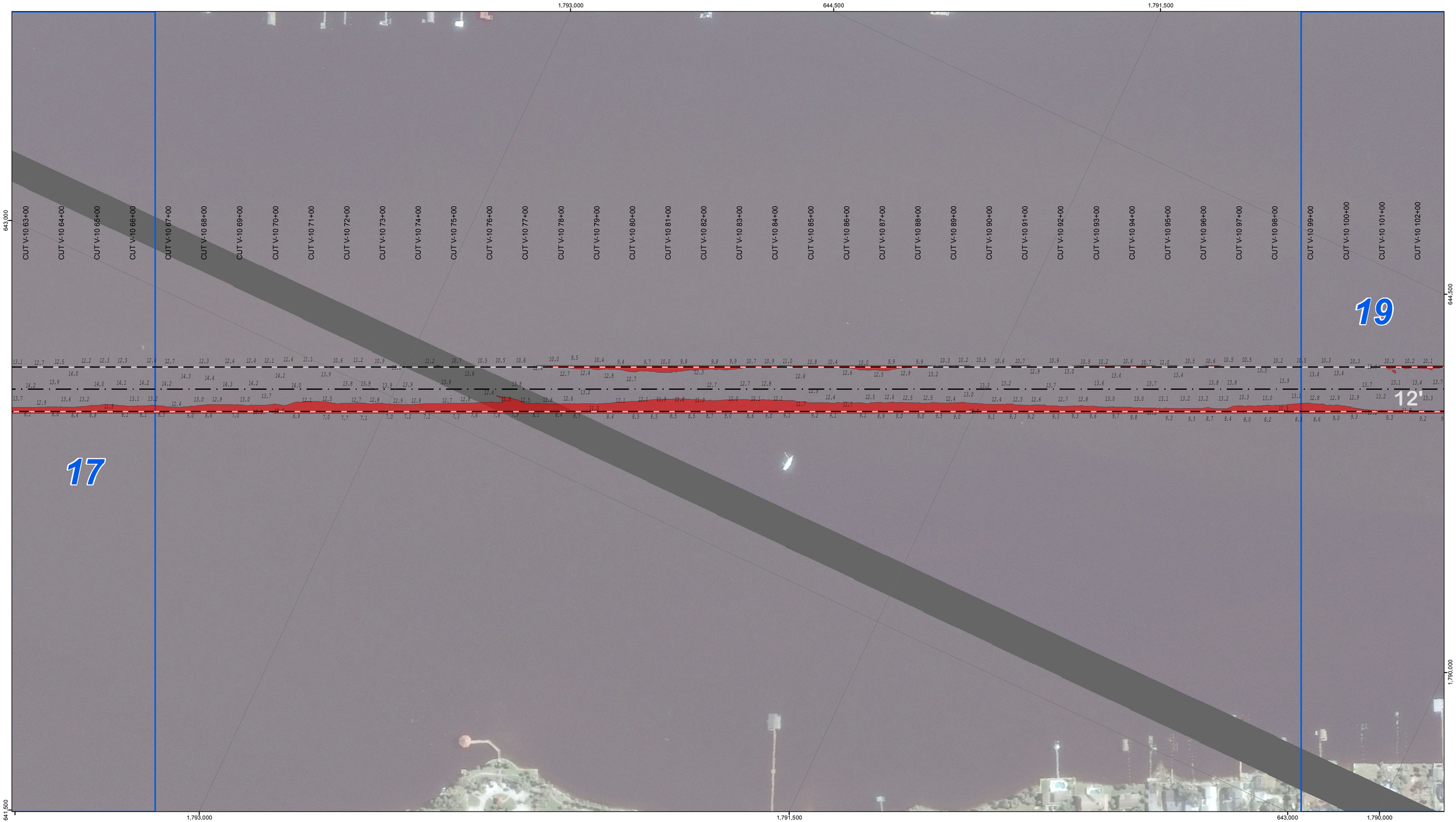


Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
17 of 77

Document Name: IWW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved: 3/24/2022
Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 18 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

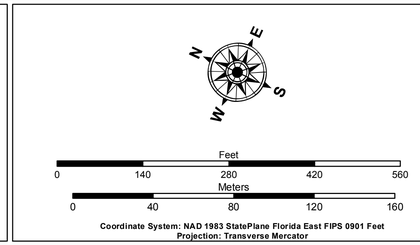
GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

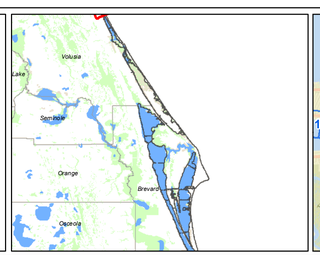
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

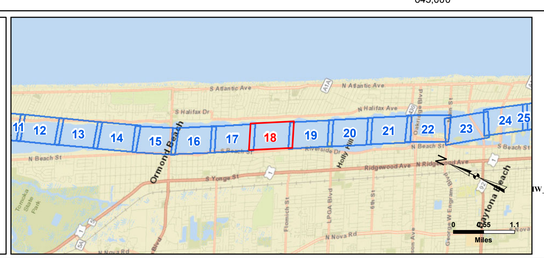
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





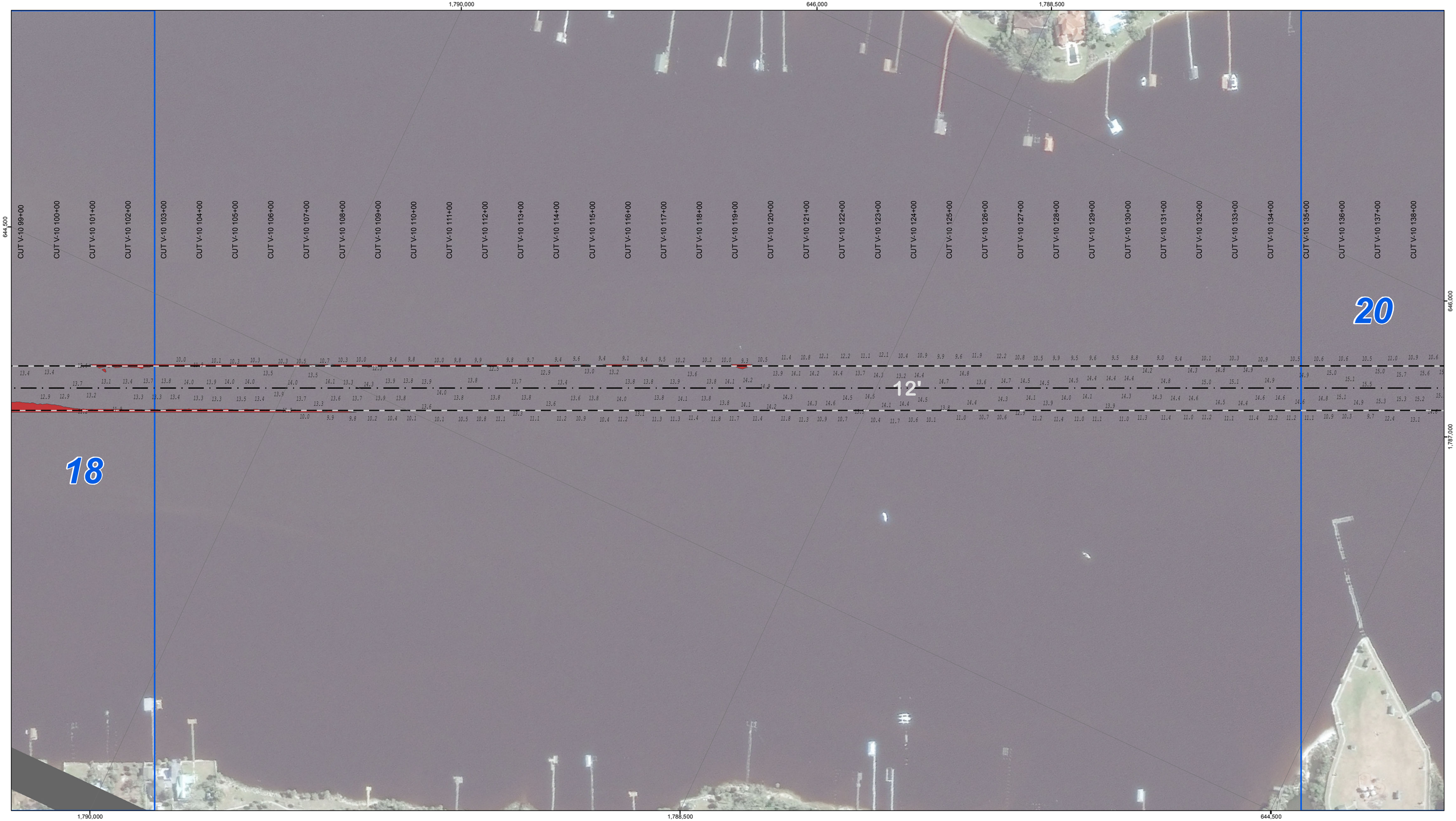
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
18 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Rohar
Chief, Geomatics Engineering Section
(EN-DG)

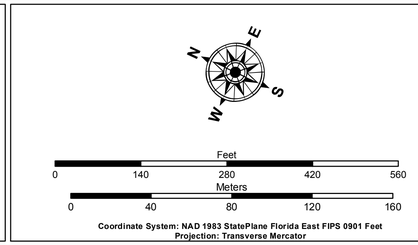
GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

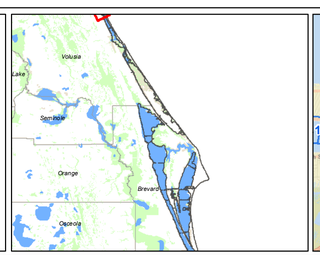
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

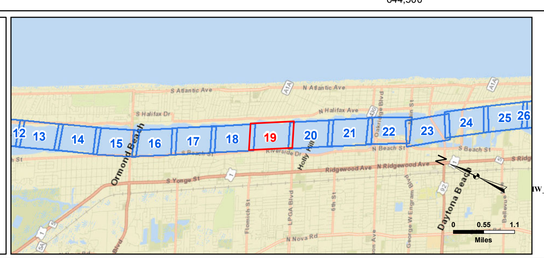
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator



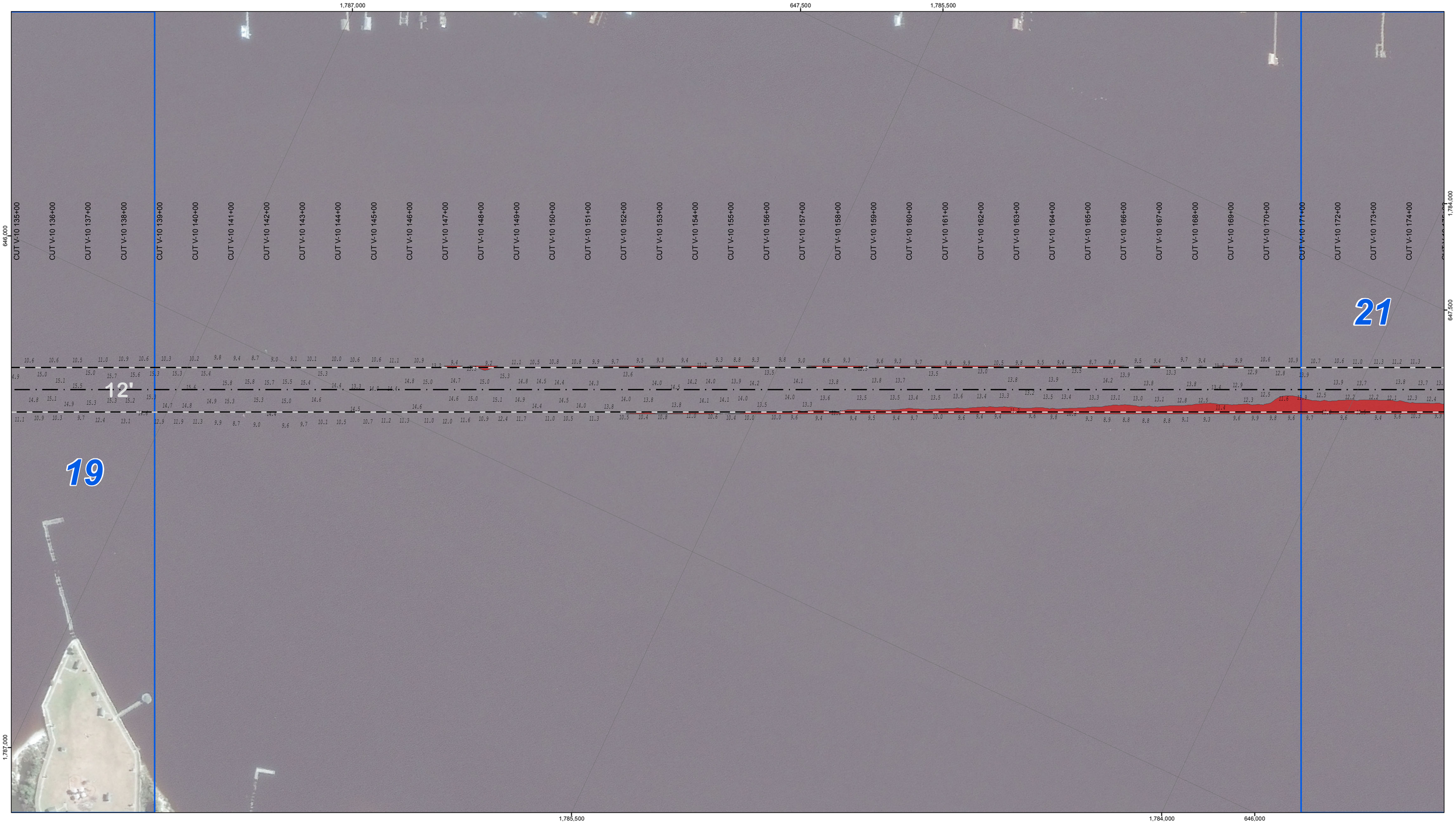


Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
19 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022
Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 20 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Rohar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

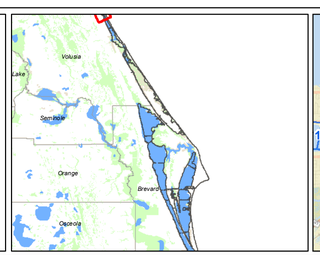
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

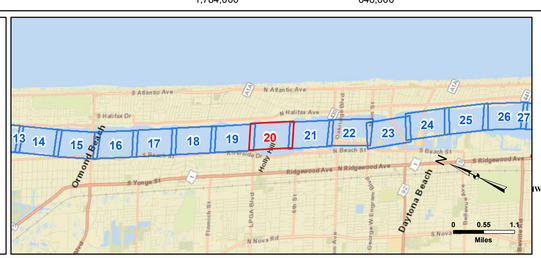
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





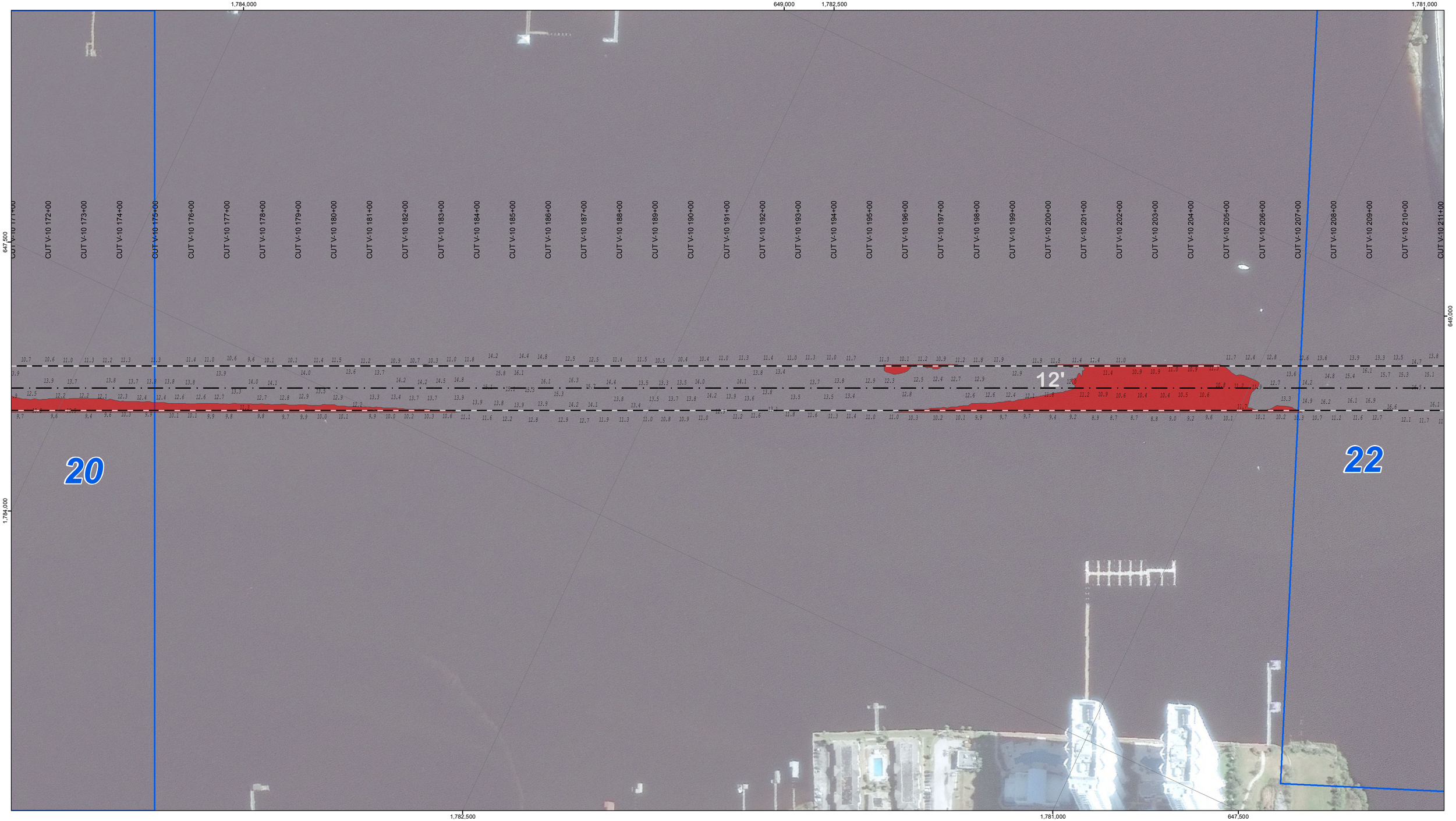
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
20 of 77

Document Name:
IWW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 21 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Rohar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

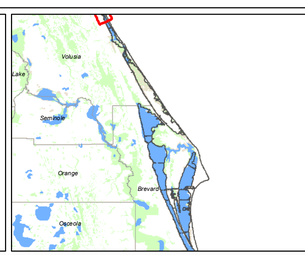
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

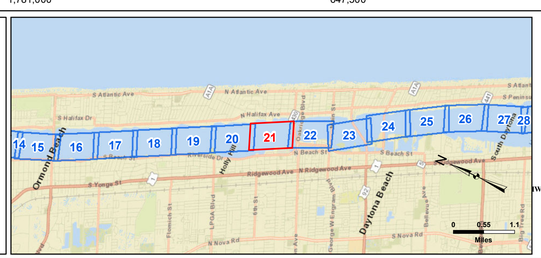
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





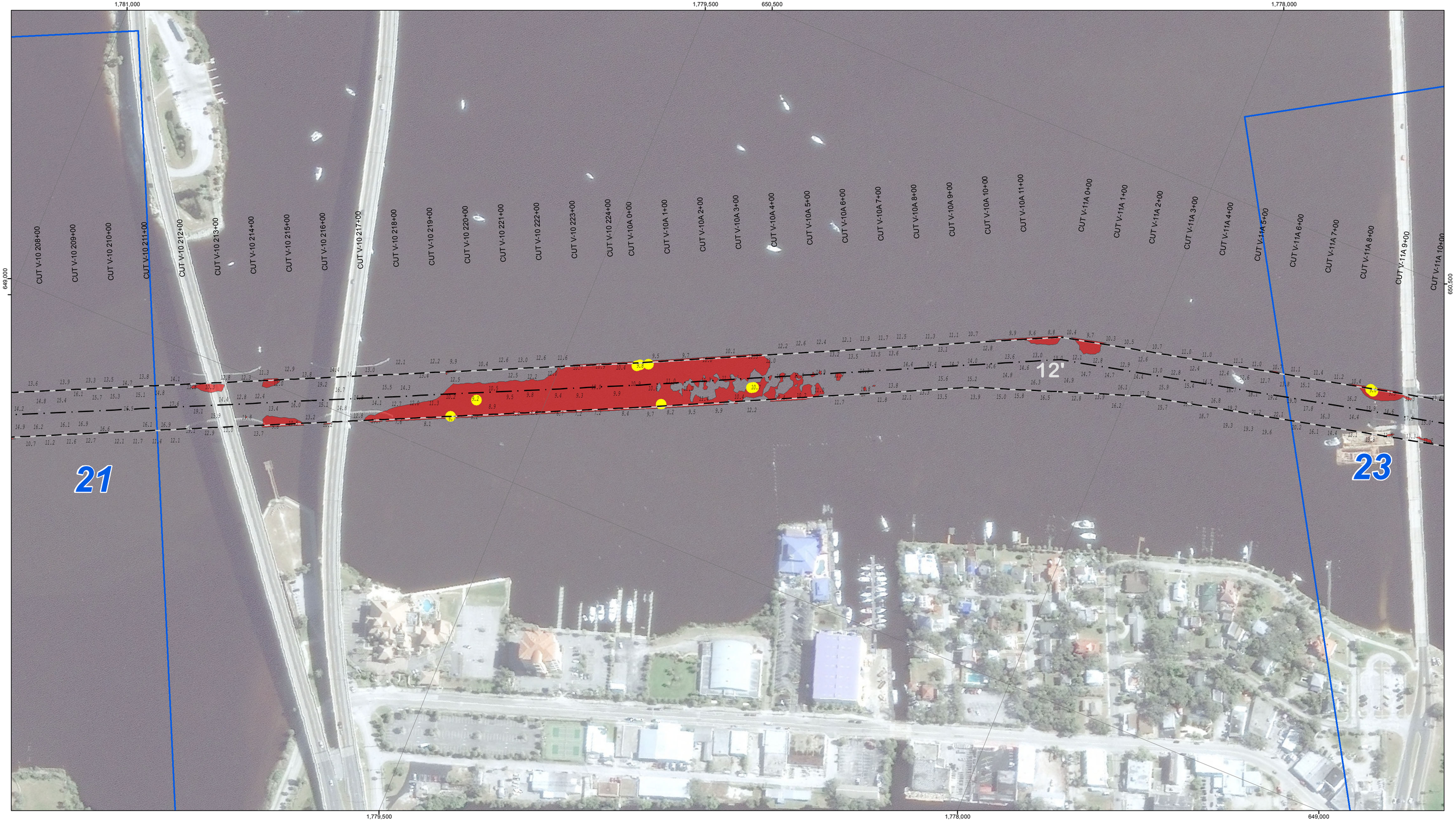
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
21 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number:4.2-20200420
This survey mapbook supersedes all previous versions.



US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

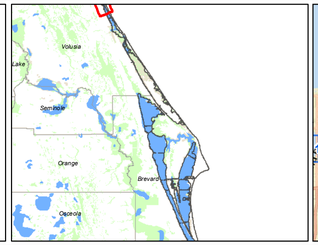
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

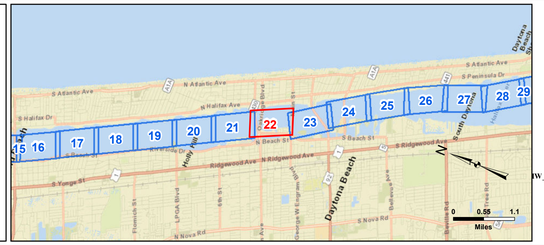
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





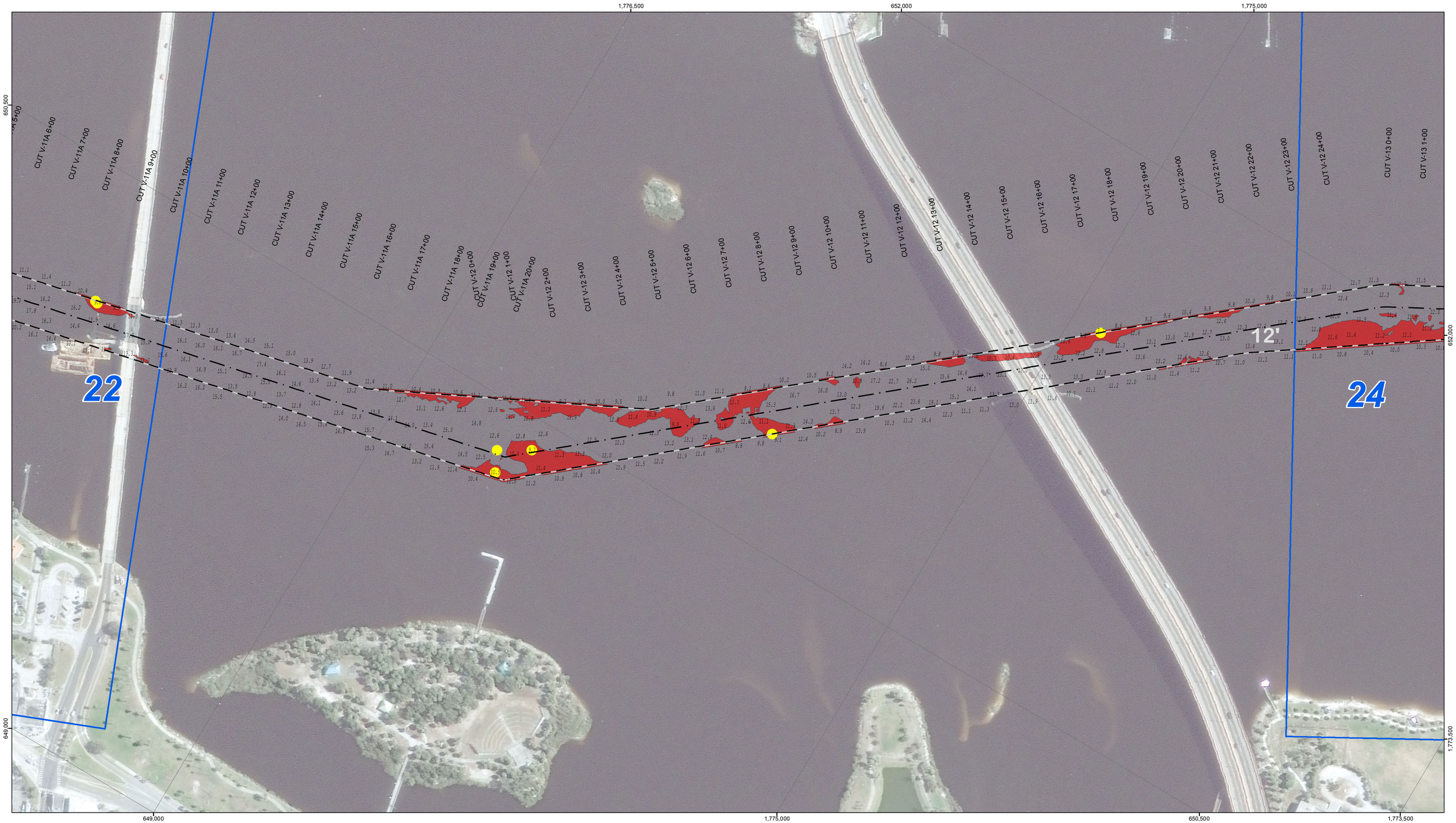
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
22 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number:4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 23 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

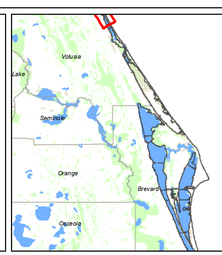
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

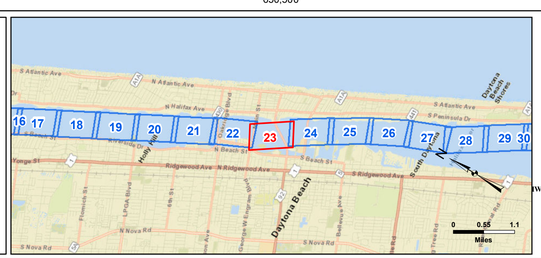
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
23 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

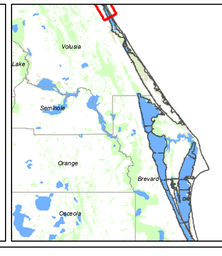
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

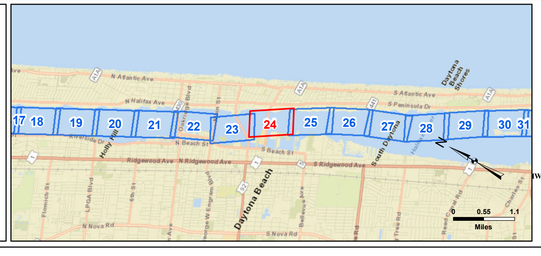
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





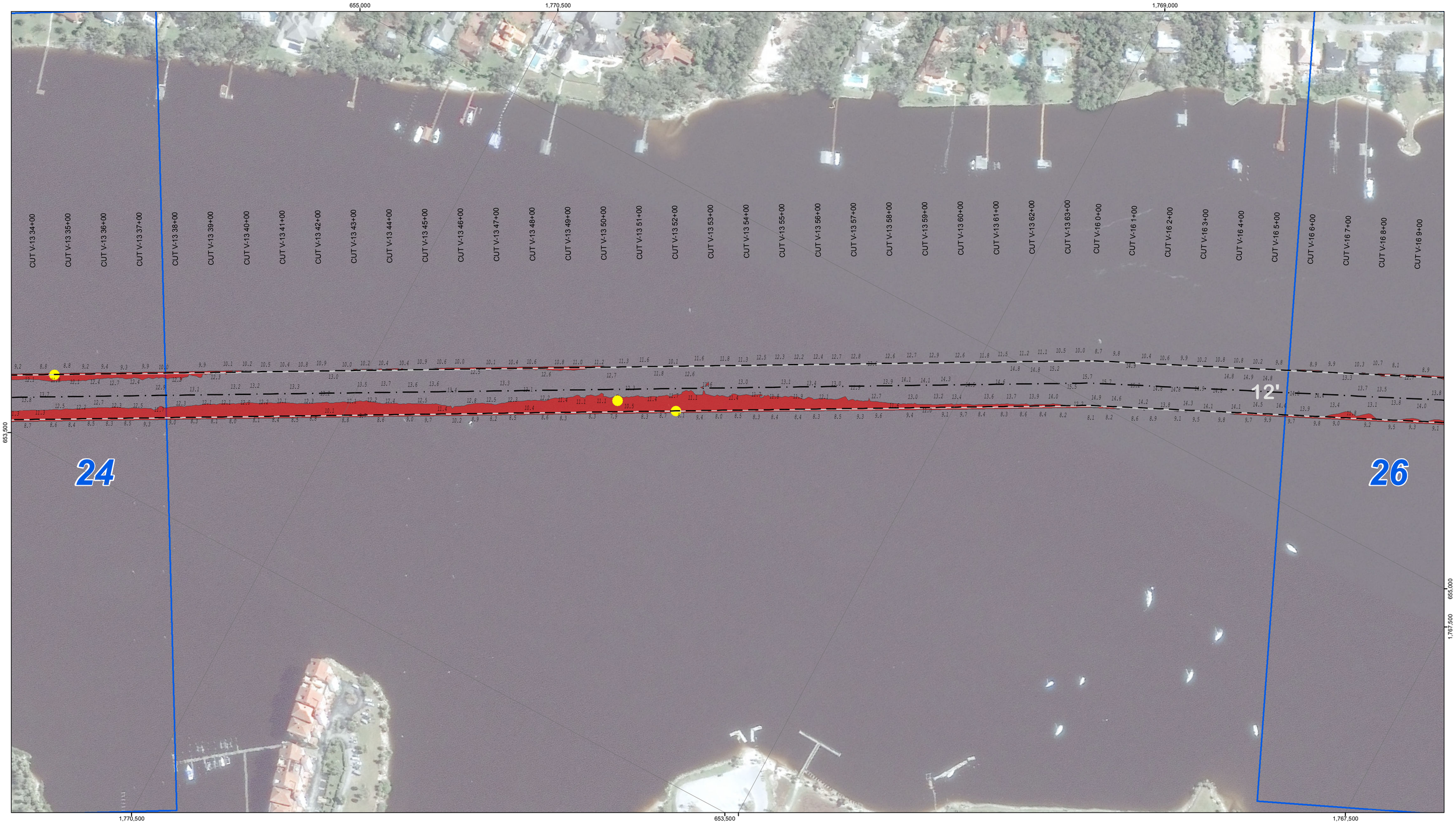
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
24 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 25 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

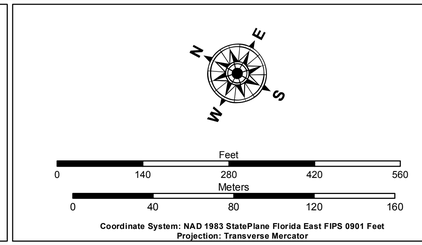
GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

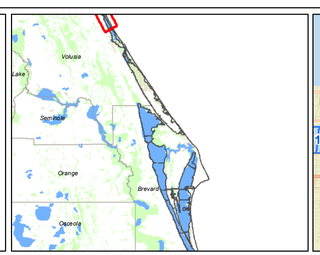
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

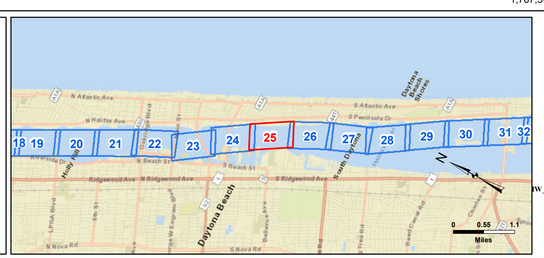
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator



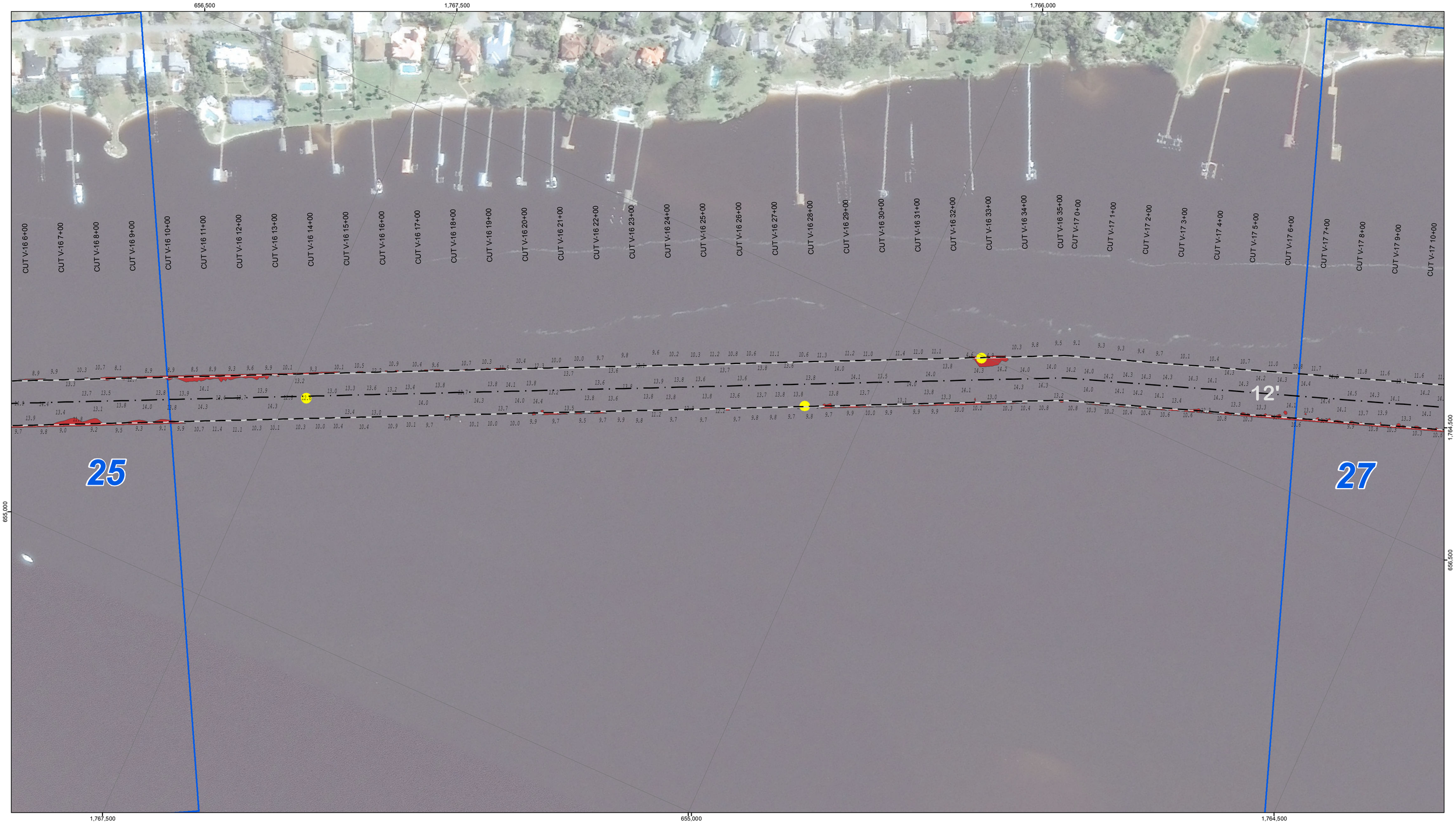


Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
25 of 77

Document Name:
IWW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022
Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 26 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

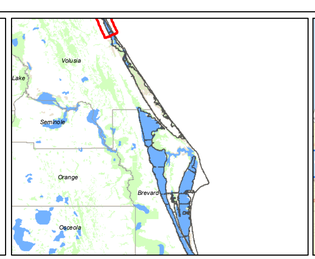
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

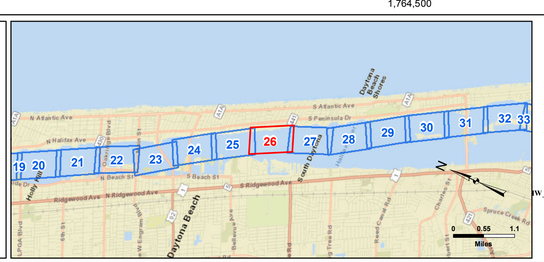
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





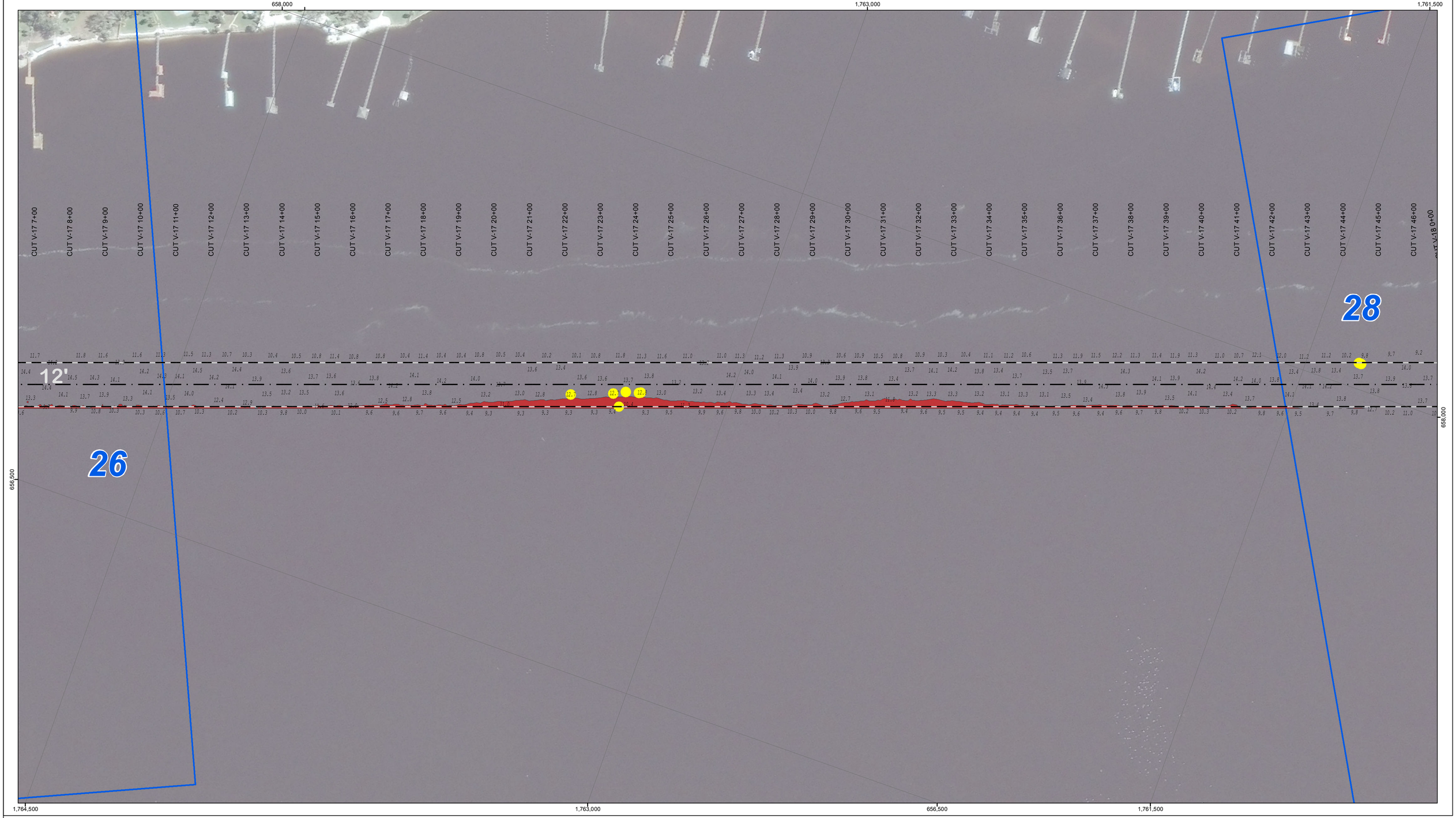
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
26 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 27 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

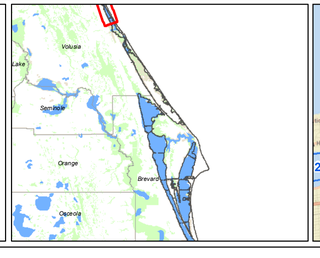
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

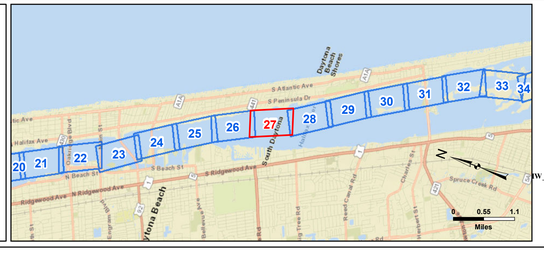
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





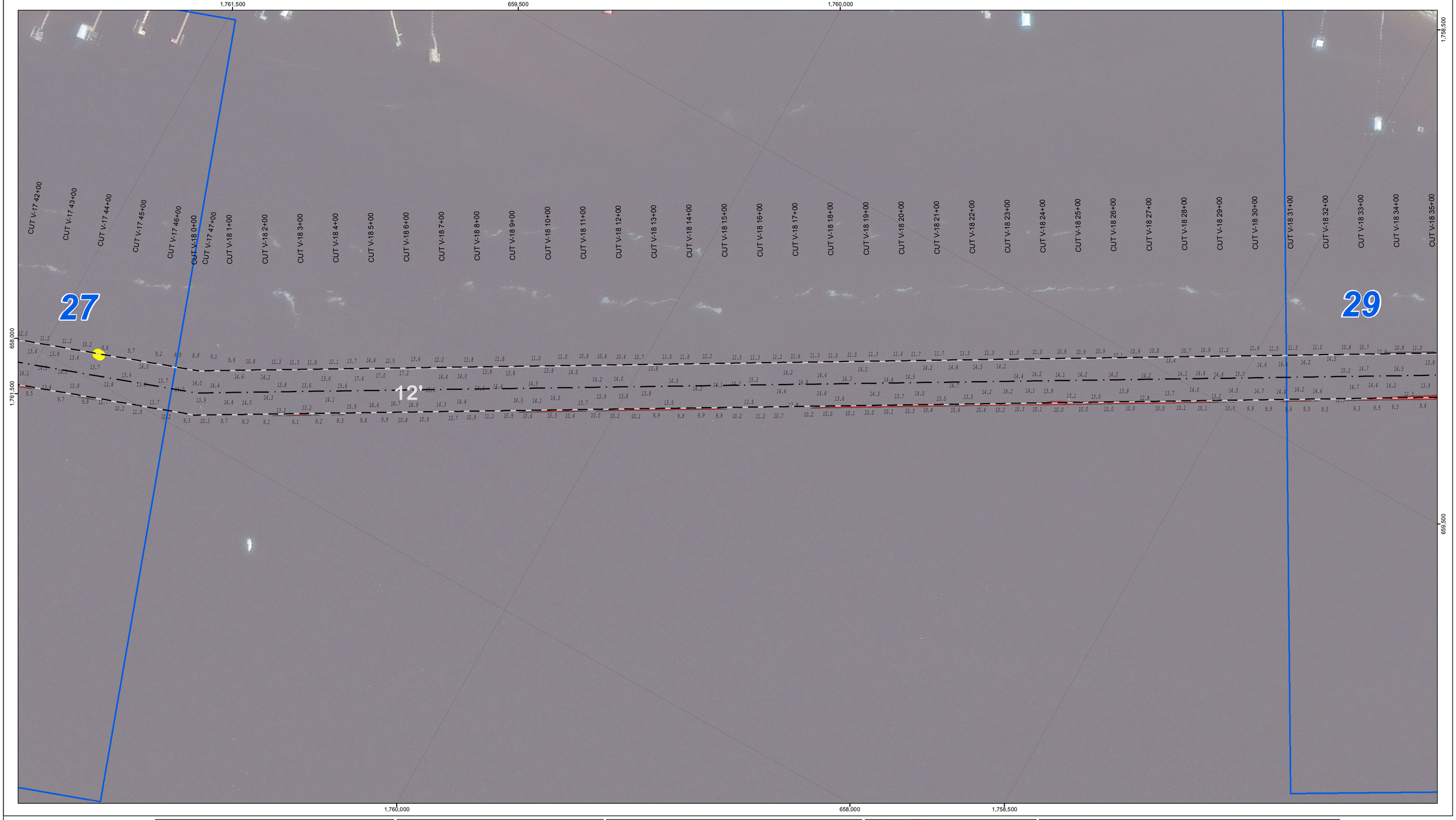
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
27 of 77

Document Name:
IWW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

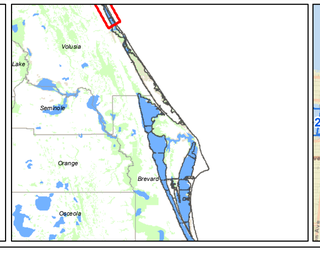
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

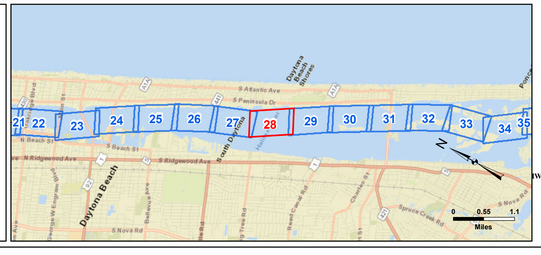
Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

N E S W

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





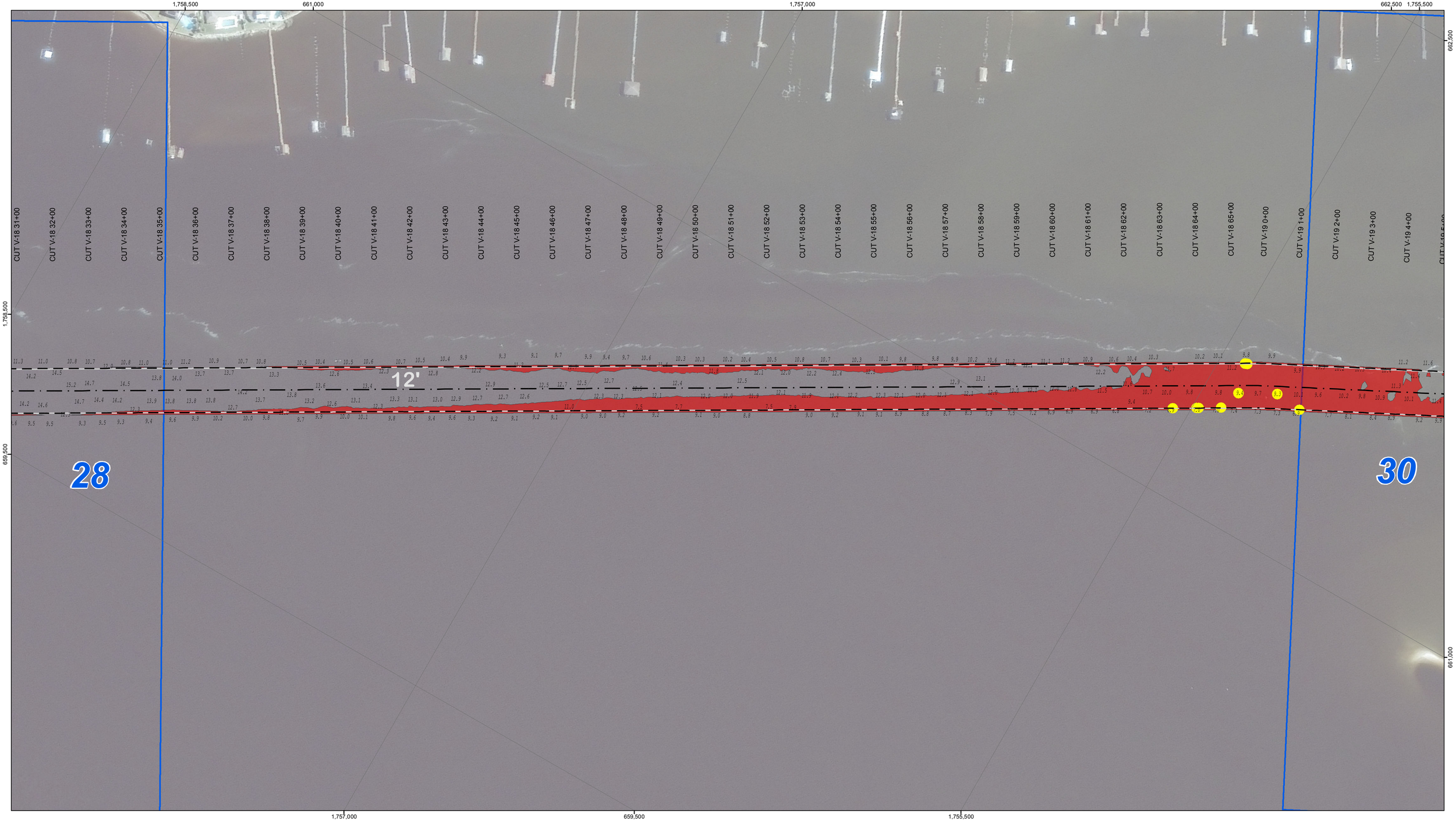
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
28 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revision Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 29 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

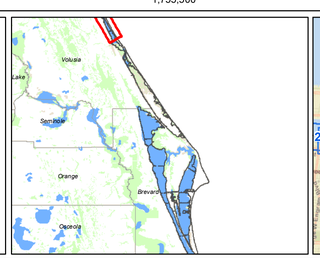
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

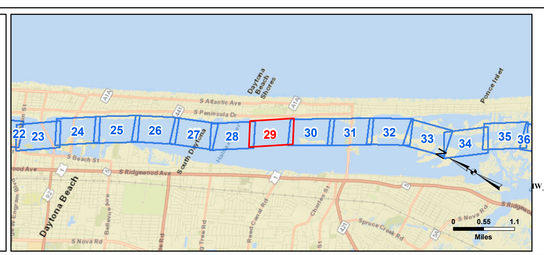
Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

N E S W

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





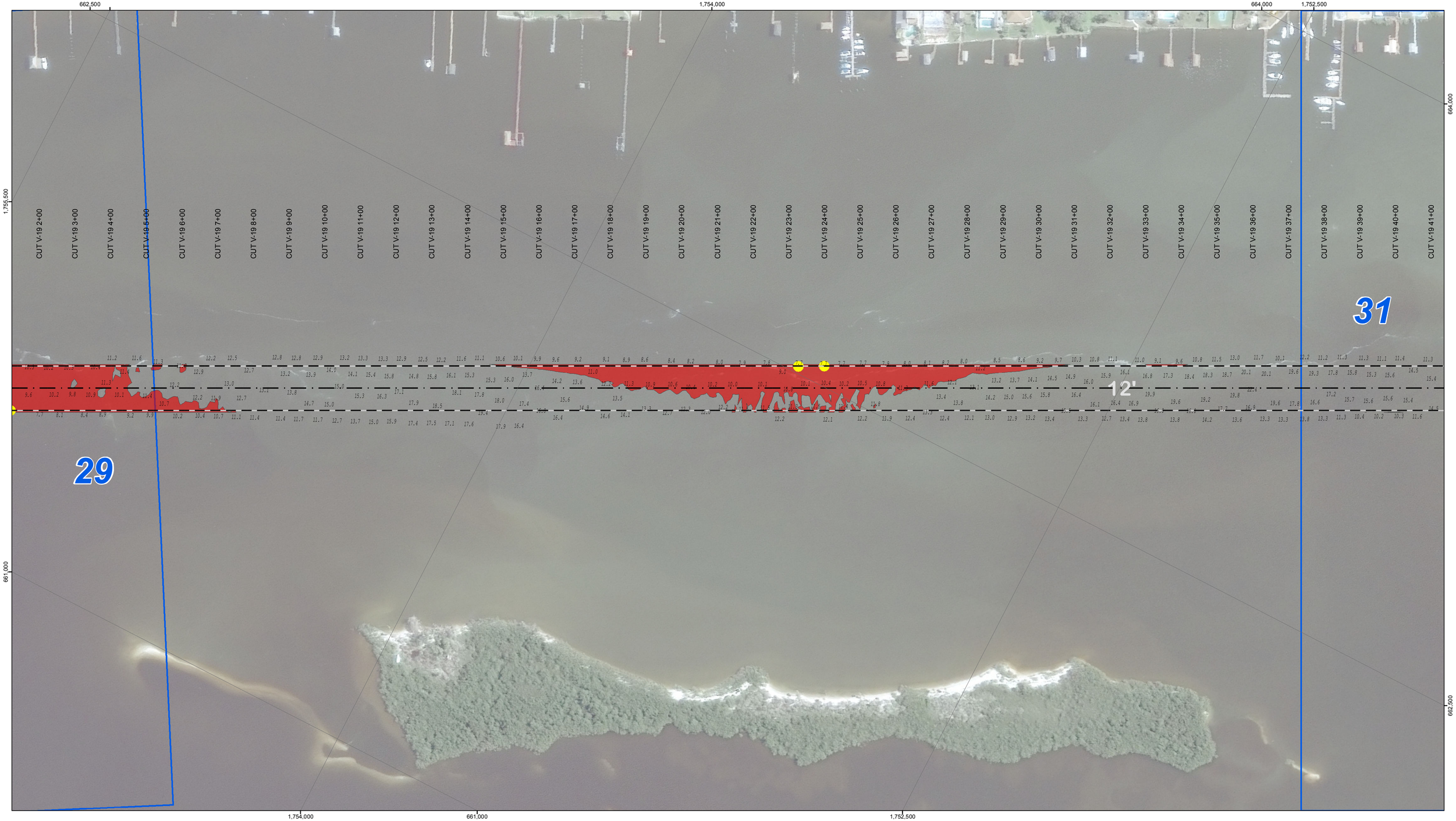
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
29 of 77

Document Name:
IWW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 30 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Rohar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

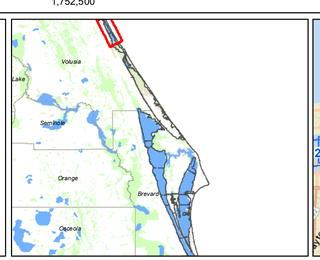
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

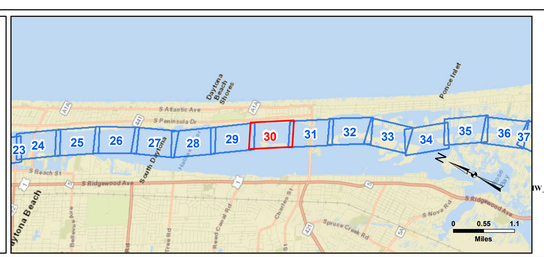
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





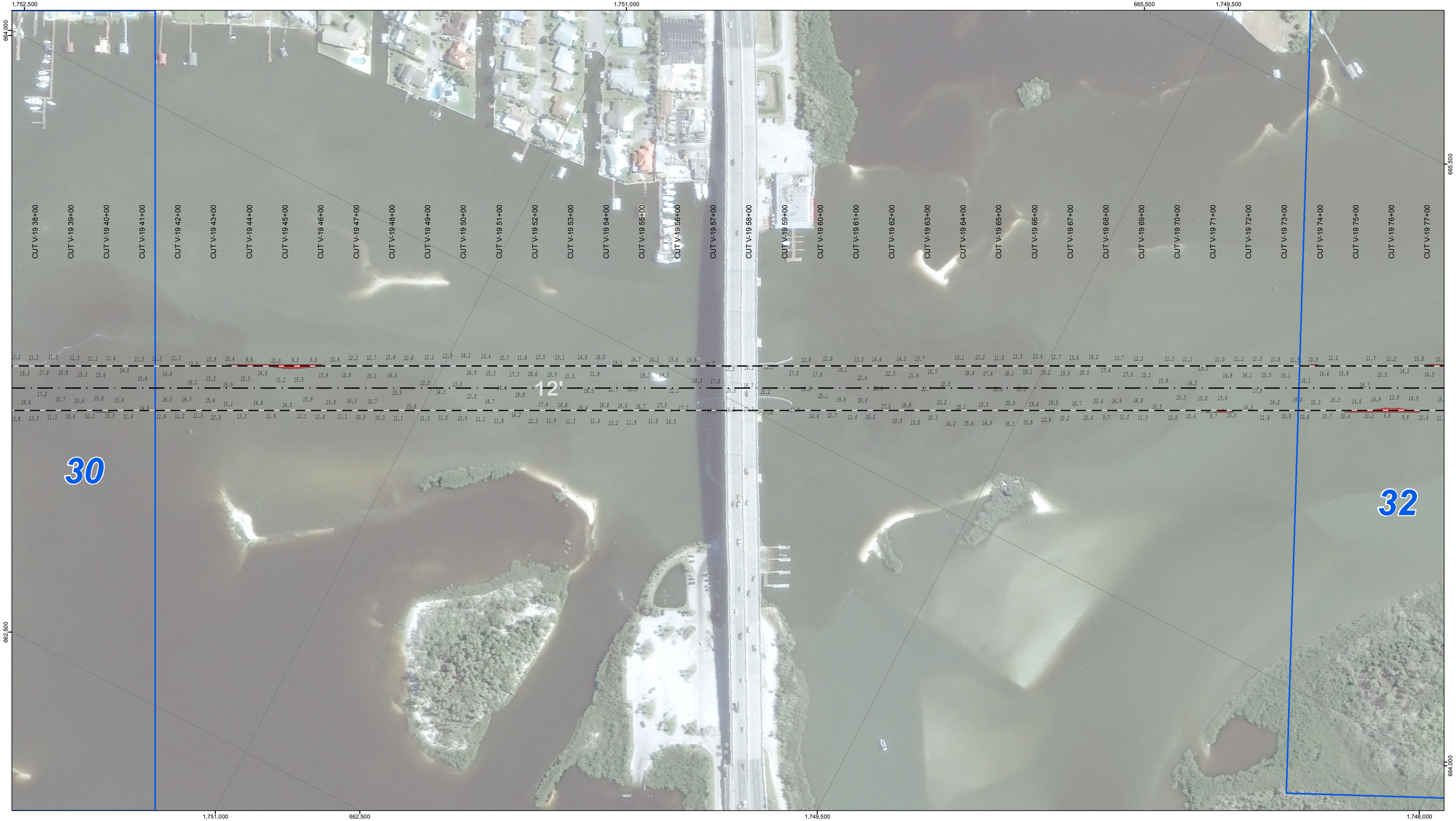
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
30 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

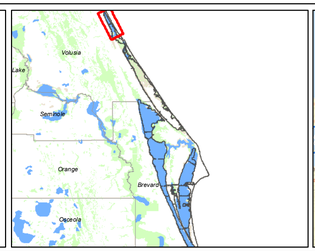
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

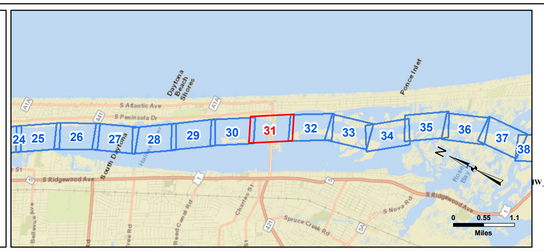
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





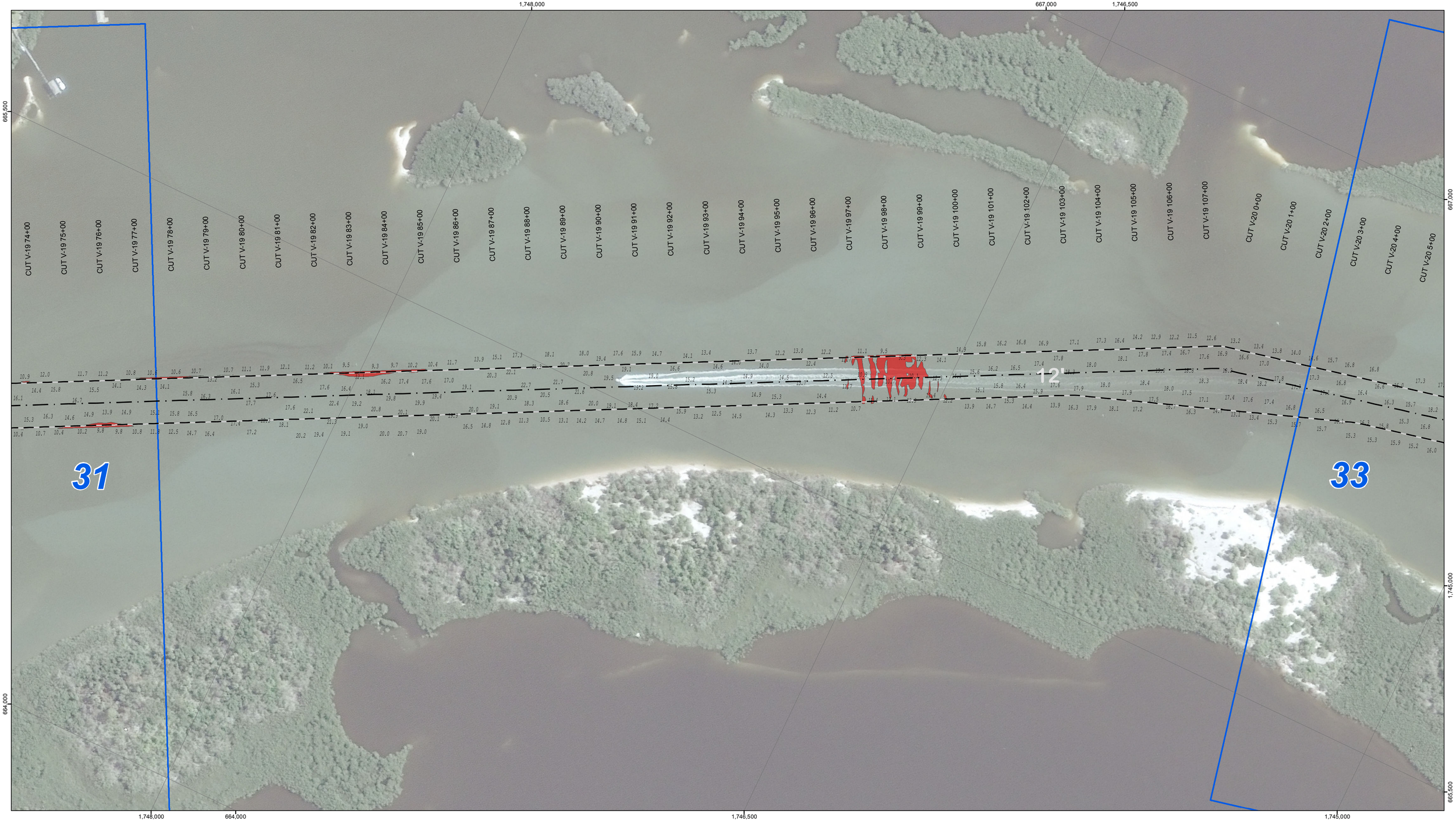
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
31 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 32 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

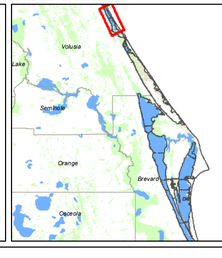
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

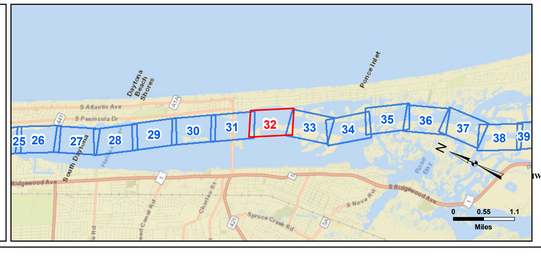
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
32 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022
Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.

1,745,000 | 1,743,500 | 1,742,000

667,000

665,500

CUT V-20 3+00 | CUT V-20 4+00 | CUT V-20 5+00 | CUT V-20 6+00 | CUT V-20 7+00 | CUT V-20 8+00 | CUT V-20 9+00 | CUT V-20 10+00 | CUT V-20 11+00 | CUT V-20 12+00 | CUT V-20 13+00 | CUT V-20 14+00 | CUT V-20 15+00 | CUT V-20 16+00 | CUT V-20 17+00 | CUT V-20 18+00 | CUT V-20 19+00 | CUT V-20 20+00 | CUT V-20 21+00 | CUT V-20 22+00 | CUT V-20 23+00 | CUT V-20 24+00 | CUT V-20 25+00 | CUT V-20 26+00 | CUT V-20 27+00 | CUT V-20 28+00 | CUT V-20 29+00 | CUT V-20 30+00 | CUT V-20 31+00 | CUT V-20 32+00 | CUT V-20 33+00 | CUT V-20 34+00 | CUT V-20 35+00 | CUT V-20 36+00 | CUT V-20 37+00 | CUT V-20 38+00 | CUT V-20 39+00 | CUT V-20 40+00 | CUT V-20 41+00 | CUT V-20 42+00

12'

32

34

1,745,000 | 665,500 | 1,743,500 | 1,742,000

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

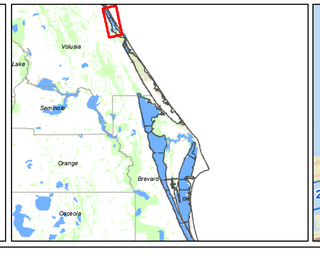
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

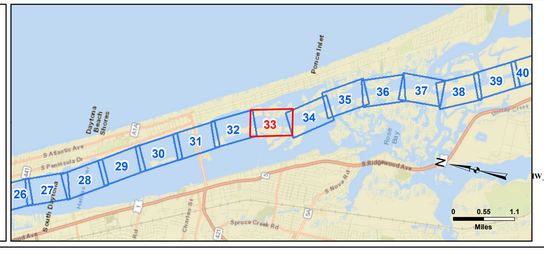
Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

N E S W

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





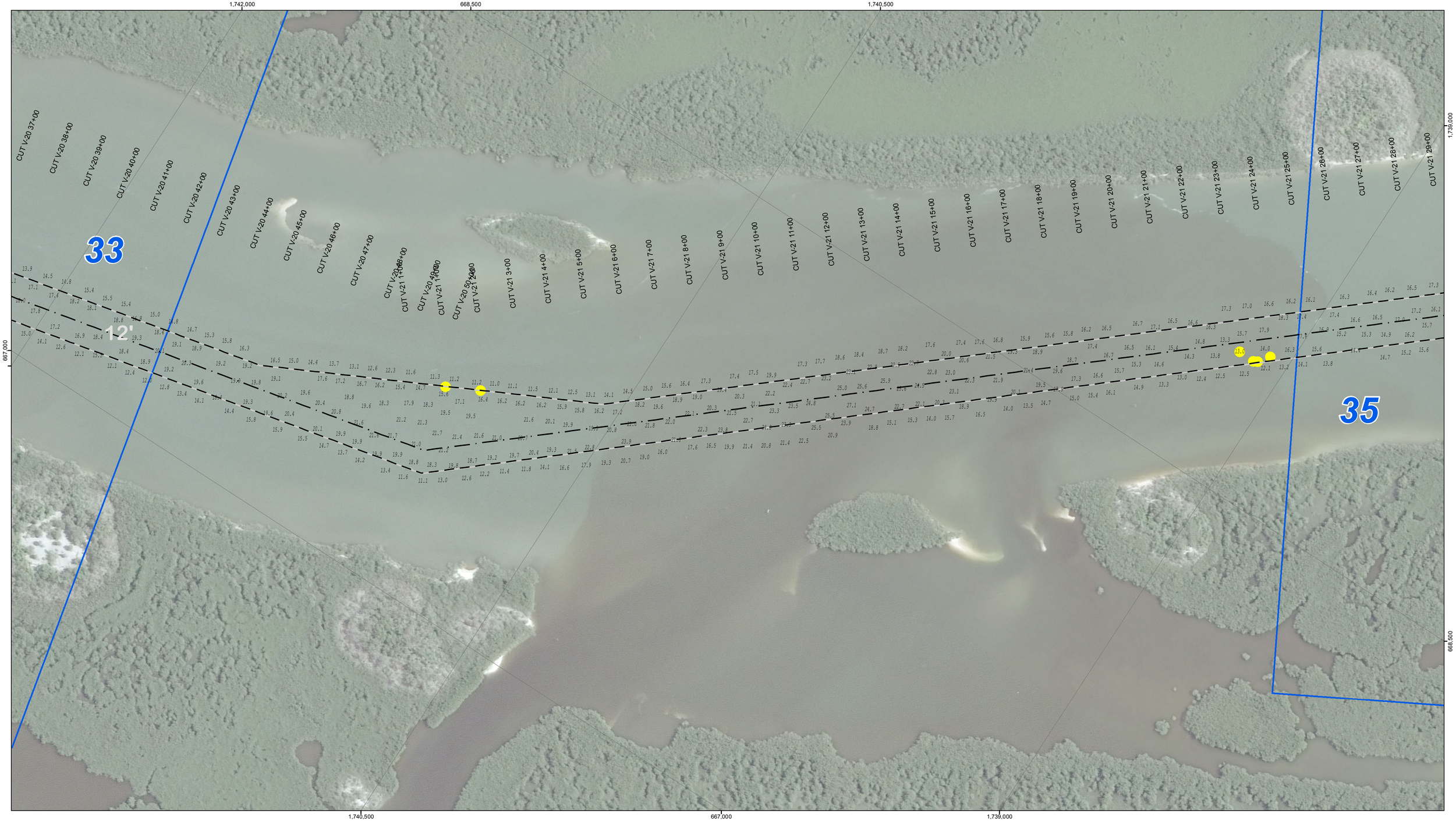
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
33 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 34 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

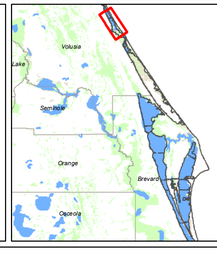
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

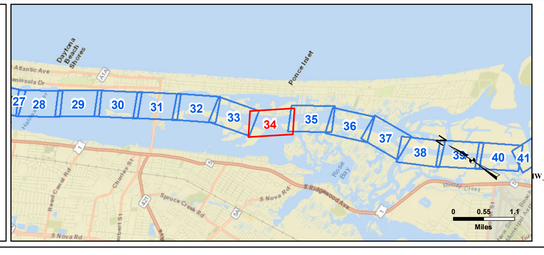
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
34 of 77

Document Name:
IWW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

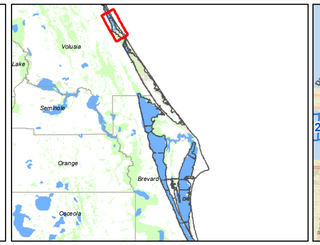
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

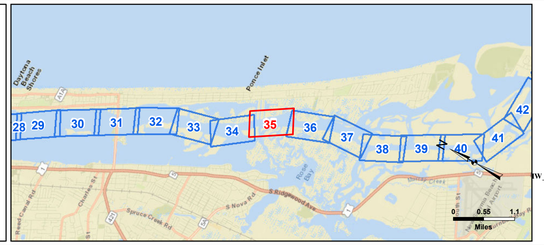
Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

N E S W

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





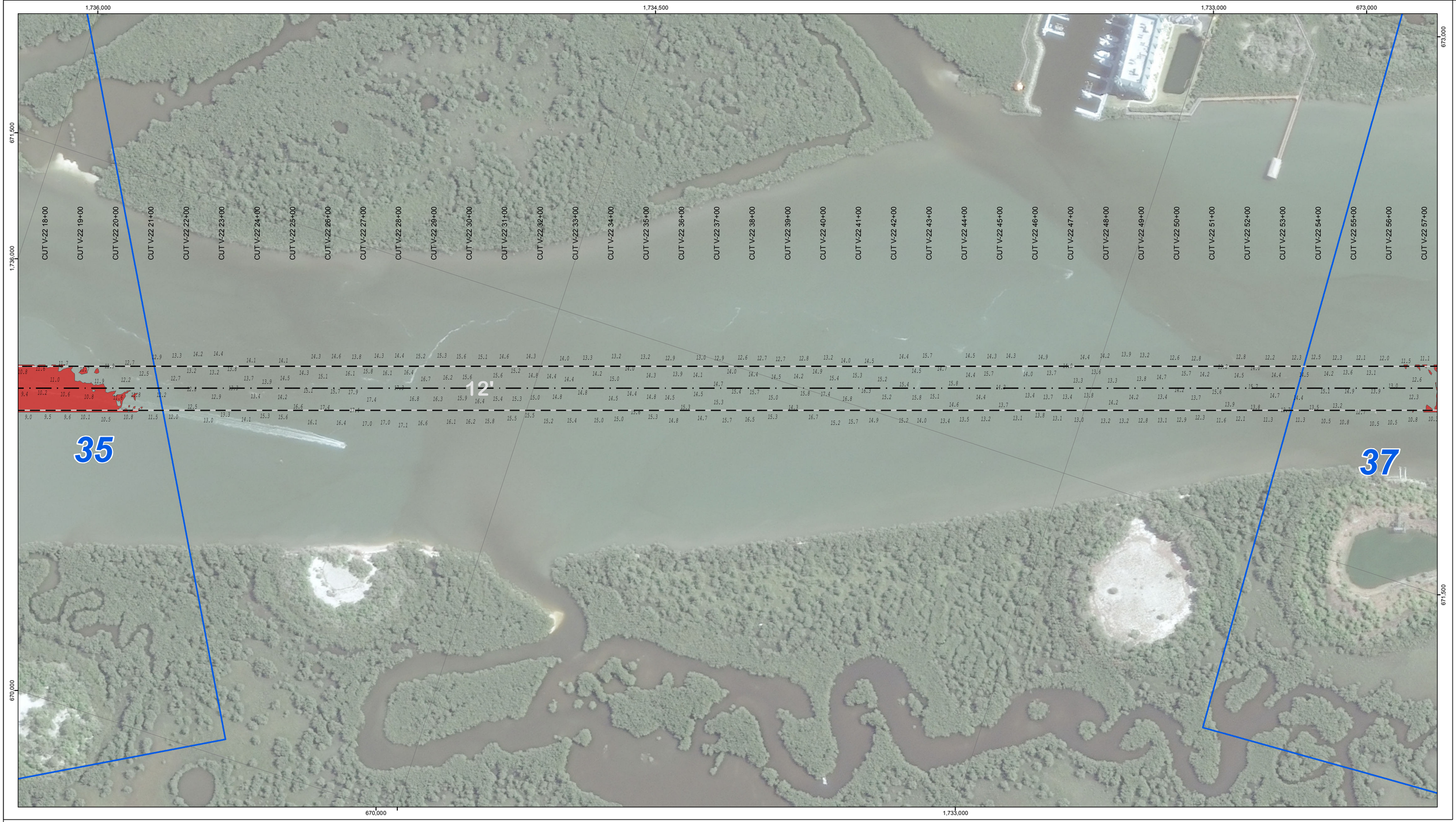
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
35 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revision Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

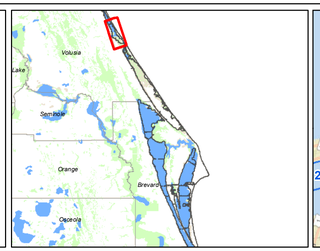
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

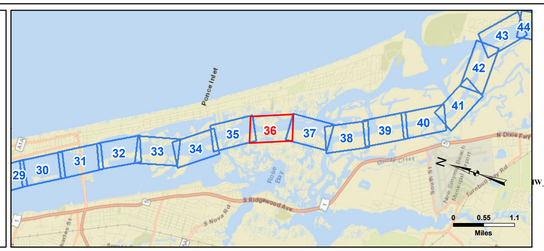
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





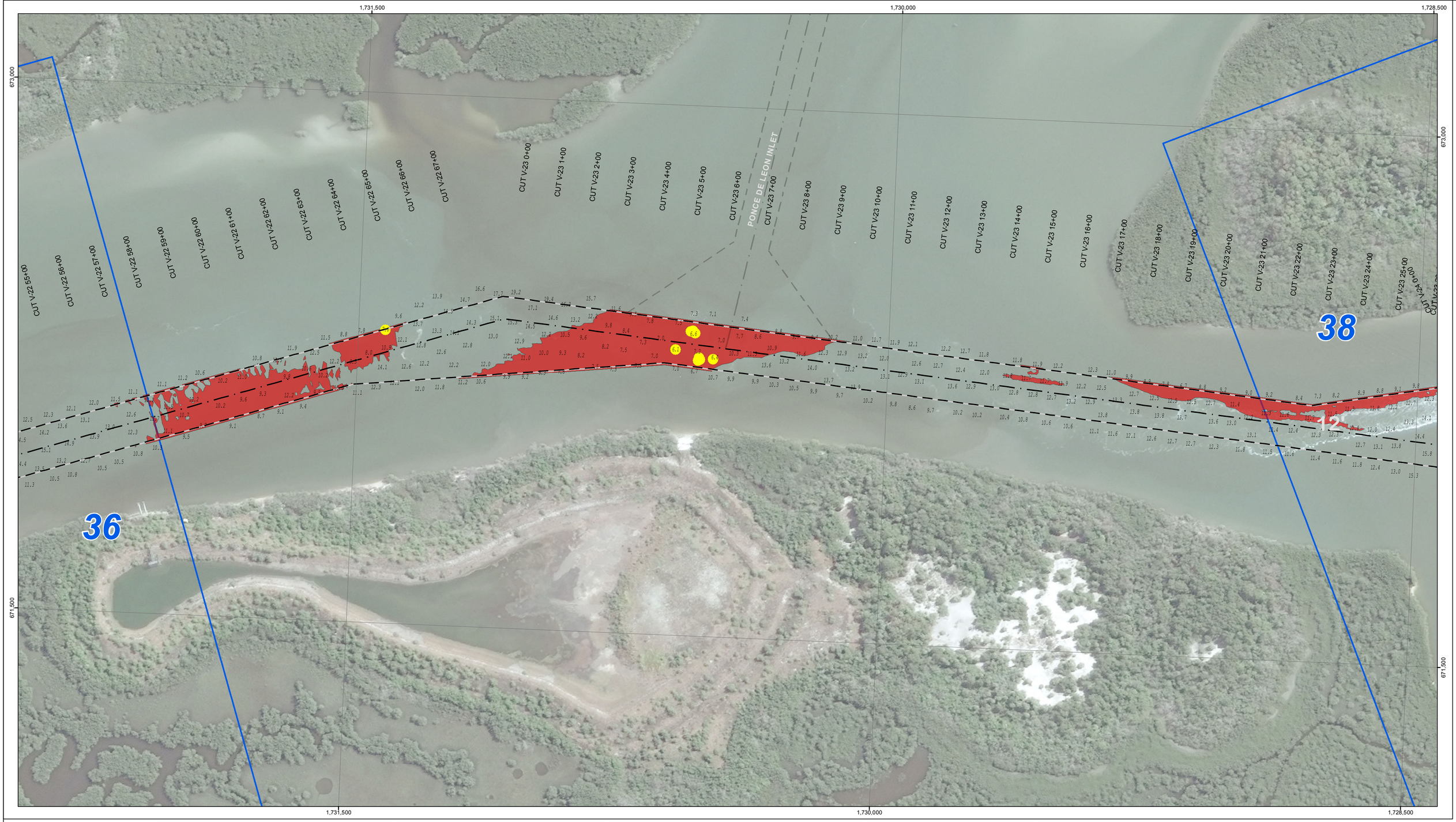
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
36 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 37 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

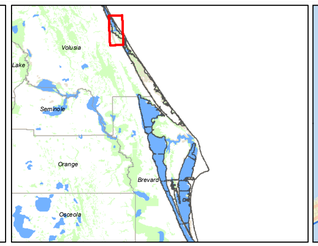
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

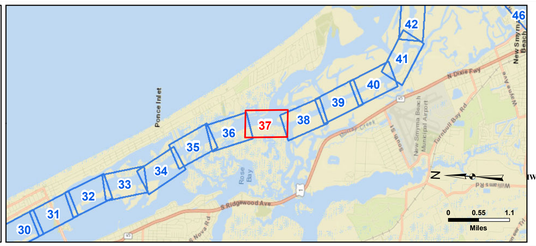
Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

N E S W

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
37 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF

Date Saved:3/24/2022

Revison Number: 4.2-20200420

This survey mapbook supersedes all previous versions.

673,000
1,728,500
1,727,000
674,500
1,725,500
671,500
1,728,500
673,000
1,727,000 671,500
1,725,500

CUT V-23 20+00
CUT V-23 21+00
CUT V-23 22+00
CUT V-23 23+00
CUT V-23 24+00
CUT V-23 25+00
CUT V-24 0+00
CUT V-23 26+00
CUT V-24 1+00
CUT V-23 27+00
CUT V-24 2+00
CUT V-23 28+00
CUT V-24 3+00
CUT V-24 4+00
CUT V-24 5+00
CUT V-24 6+00
CUT V-24 7+00
CUT V-24 8+00
CUT V-24 9+00
CUT V-24 10+00
CUT V-24 11+00
CUT V-24 12+00
CUT V-24 13+00
CUT V-24 14+00
CUT V-24 15+00
CUT V-24 16+00
CUT V-24 17+00
CUT V-24 18+00
CUT V-24 19+00
CUT V-24 20+00
CUT V-24 21+00
CUT V-24 22+00
CUT V-24 23+00
CUT V-24 24+00
CUT V-24 25+00
CUT V-24 26+00
CUT V-24 27+00
CUT V-24 28+00
CUT V-24 29+00
CUT V-24 30+00
CUT V-24 31+00
CUT V-24 32+00
CUT V-24 33+00
CUT V-24 34+00

37
39
12'

Sheet Reference Number 38 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

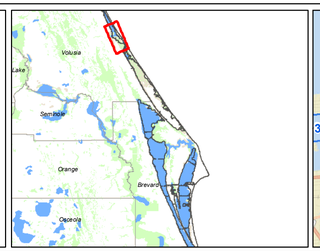
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

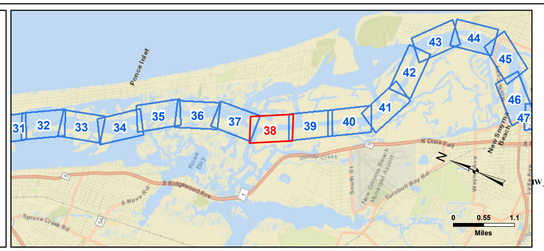
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.
Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

N E S W

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





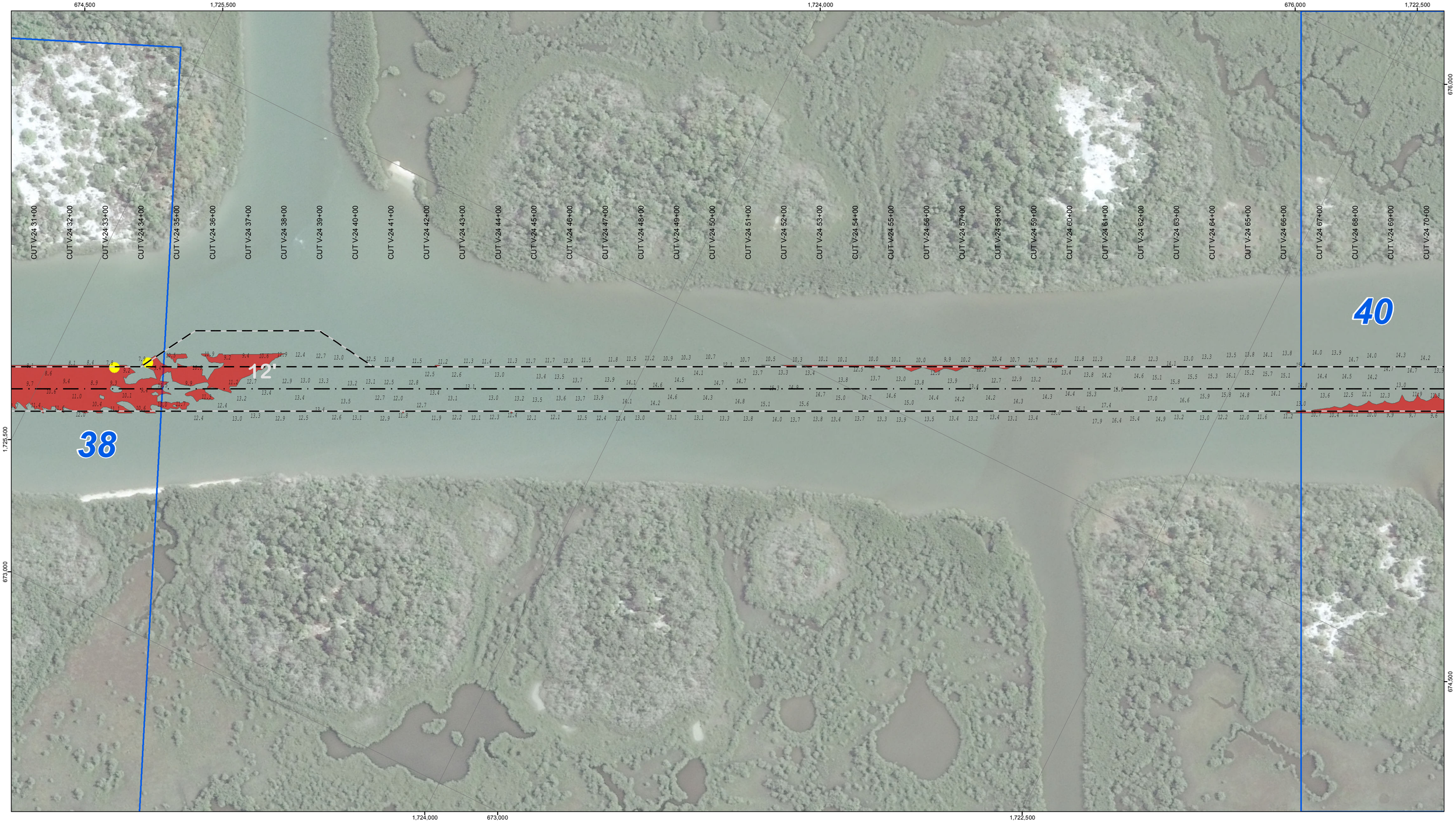
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
38 of 77

Document Name:
IWW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 39 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

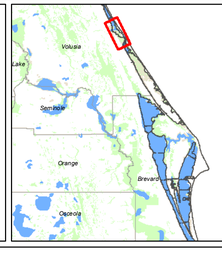
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

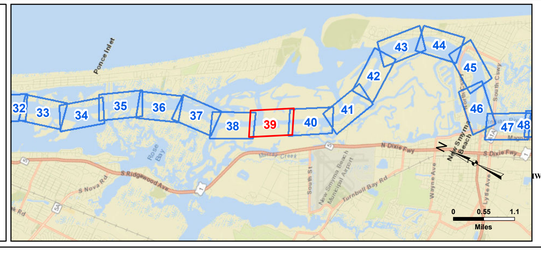
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator



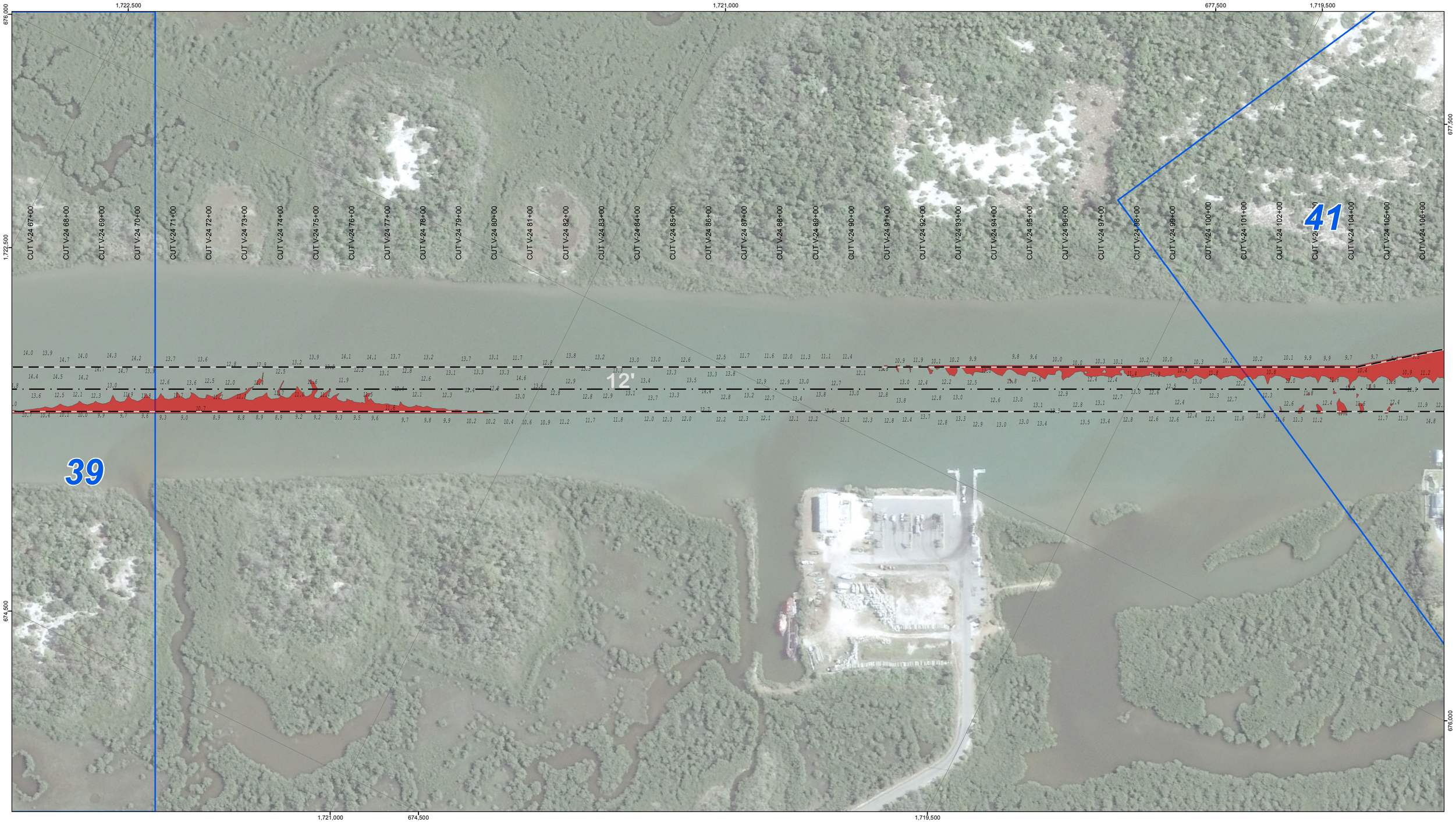


Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
39 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022
Revision Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 40 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

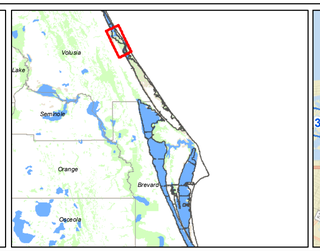
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

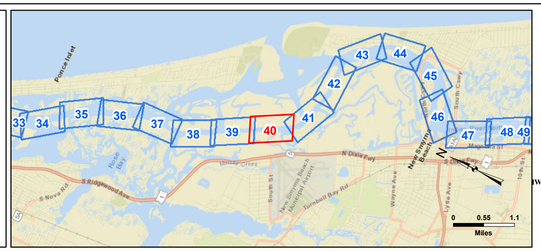
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

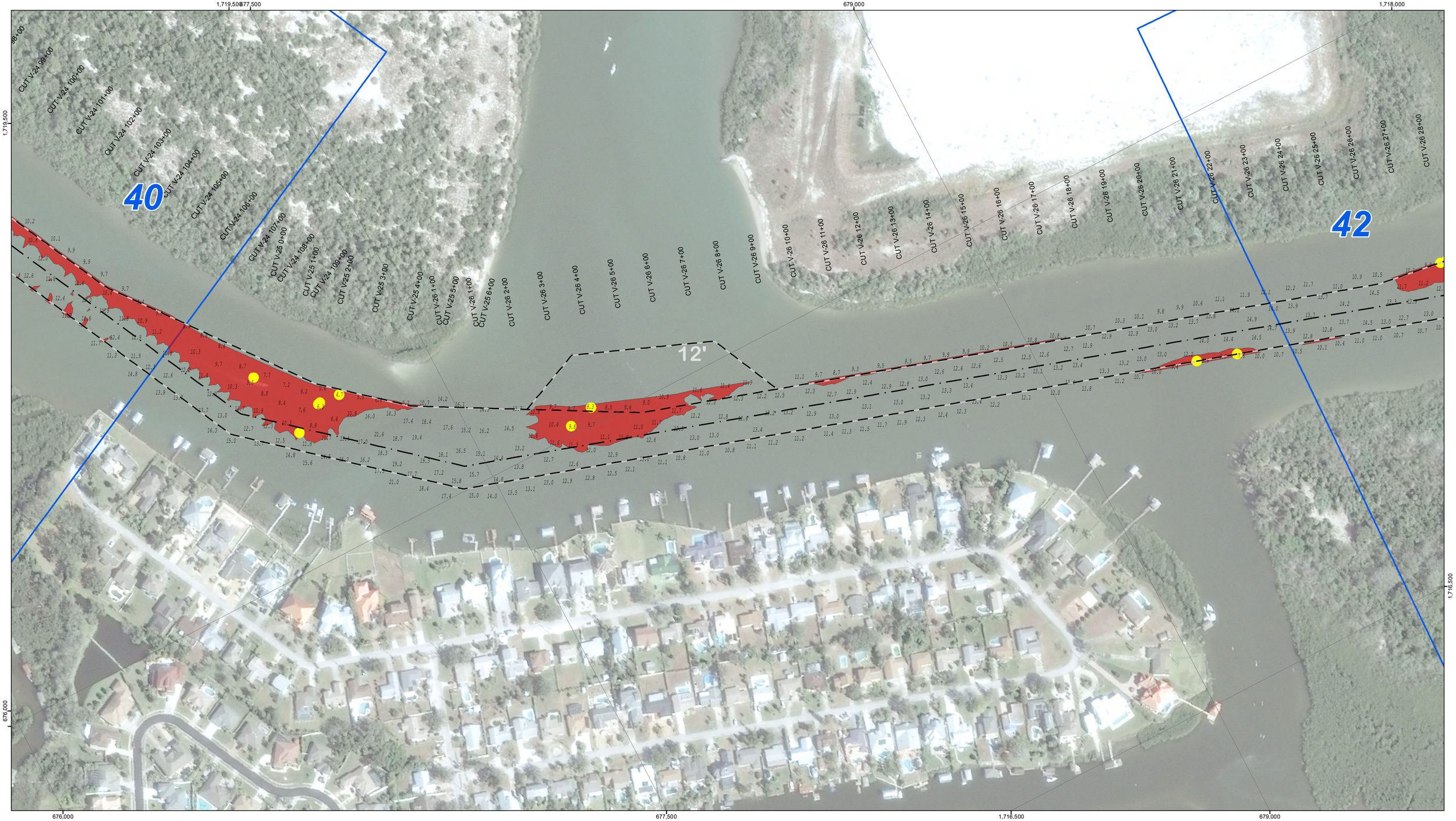
Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
40 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420

This survey mapbook supersedes all previous versions.



Sheet Reference Number 41 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

Legend

- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

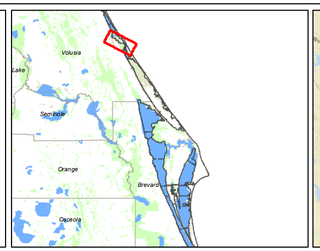
DISCLAIMER

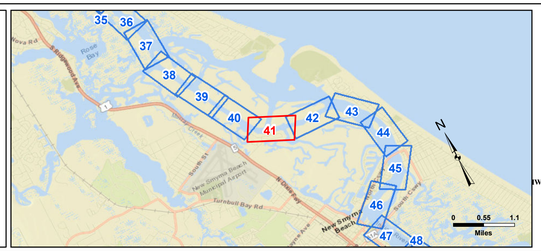
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any particular 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER

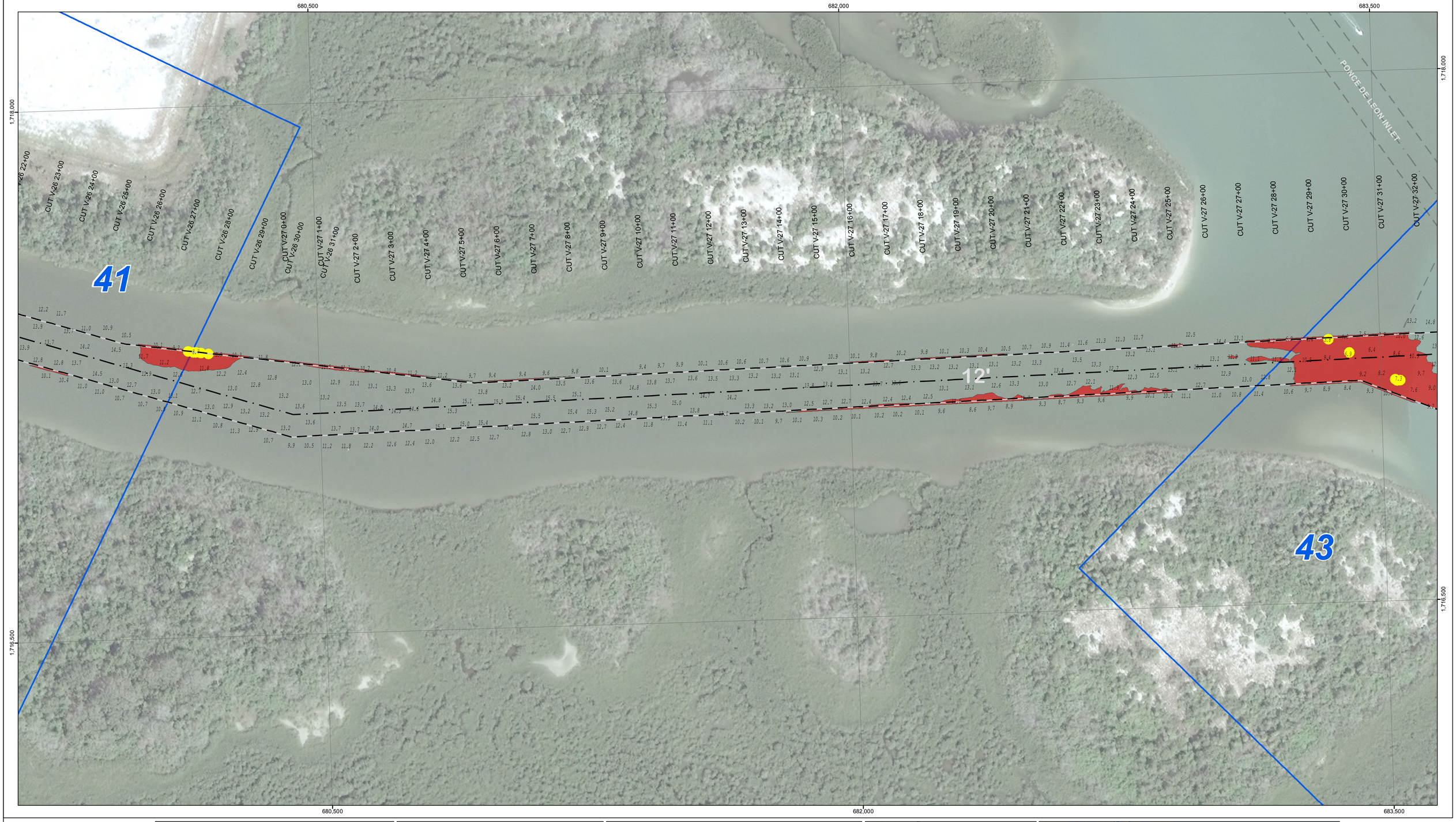
41 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF

Date Saved:3/24/2022

Revison Number: 4.2-20200420

This survey mapbook supersedes all previous versions.



US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

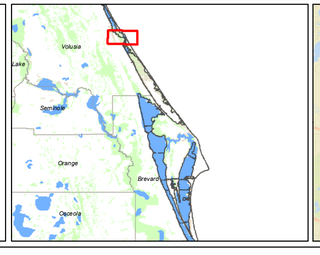
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

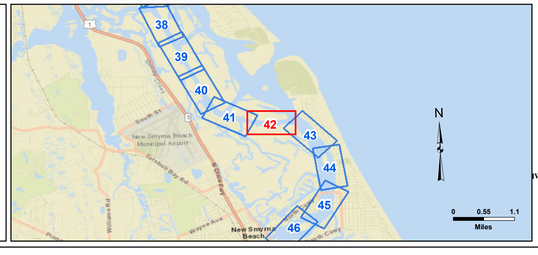
Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

N W E S

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





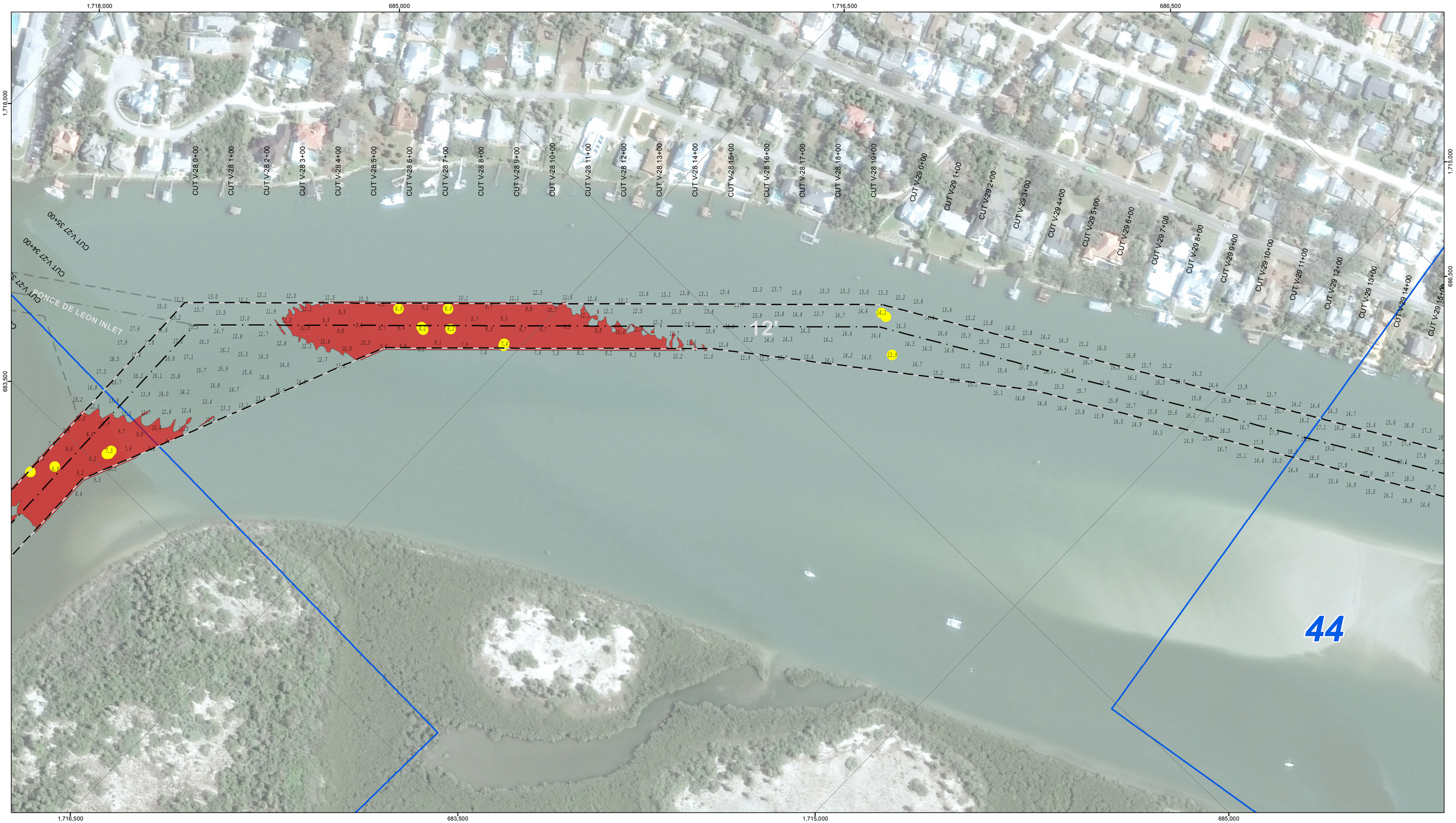
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
42 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 43 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

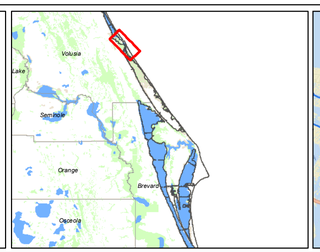
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

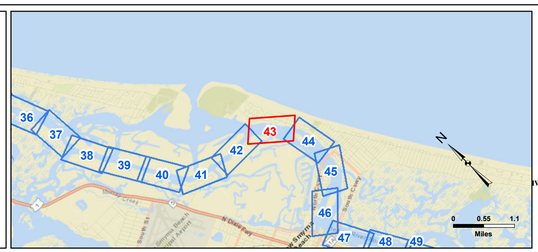
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

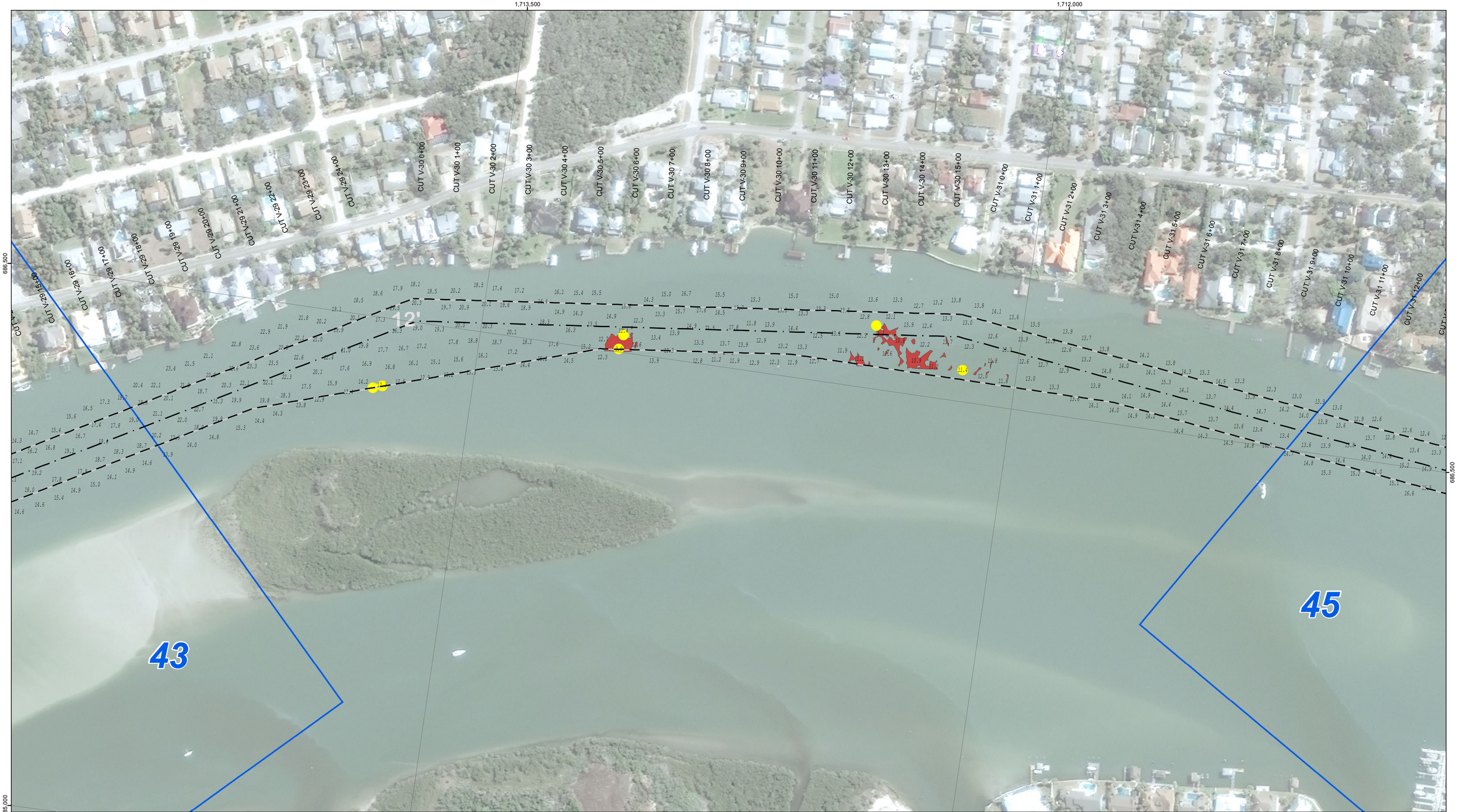
SHEET REFERENCE NUMBER

43 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420

This survey mapbook supersedes all previous versions.



Sheet Reference Number 44 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

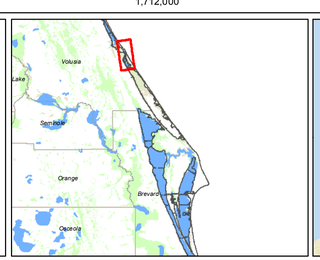
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

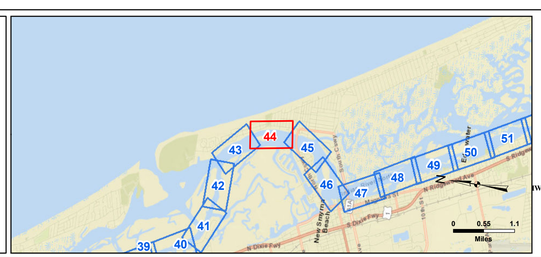
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
44 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.

1,709,000 | 686,500 | 1,707,500

1,710,500

686,500

685,000

CUT V-31 0+00 | CUT V-31 1+00 | CUT V-31 2+00 | CUT V-31 3+00 | CUT V-31 4+00 | CUT V-31 5+00 | CUT V-31 6+00 | CUT V-31 7+00 | CUT V-31 8+00 | CUT V-31 9+00 | CUT V-31 10+00 | CUT V-31 11+00 | CUT V-31 12+00 | CUT V-31 13+00 | CUT V-31 14+00 | CUT V-31 15+00 | CUT V-31 16+00 | CUT V-31 17+00 | CUT V-31 18+00 | CUT V-31 19+00 | CUT V-31 20+00 | CUT V-31 21+00 | CUT V-31 22+00 | CUT V-31 23+00 | CUT V-31 24+00 | CUT V-31 25+00 | CUT V-31 26+00 | CUT V-31 27+00 | CUT V-31 28+00 | CUT V-31 29+00 | CUT V-31 30+00 | CUT V-31 31+00 | CUT V-31 32+00 | CUT V-31 33+00 | CUT V-31 34+00

CUT V-32 0+00 | CUT V-32 1+00 | CUT V-32 2+00 | CUT V-32 3+00 | CUT V-32 4+00 | CUT V-32 5+00 | CUT V-32 6+00 | CUT V-32 7+00 | CUT V-32 8+00 | CUT V-32 9+00 | CUT V-32 10+00

CUT V-33 0+00 | CUT V-33 1+00 | CUT V-33 2+00 | CUT V-33 3+00 | CUT V-33 4+00 | CUT V-33 5+00 | CUT V-33 6+00 | CUT V-33 7+00

12'

46

Legend

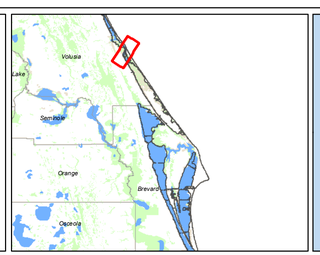
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

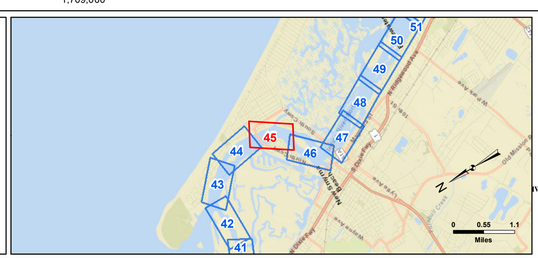
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

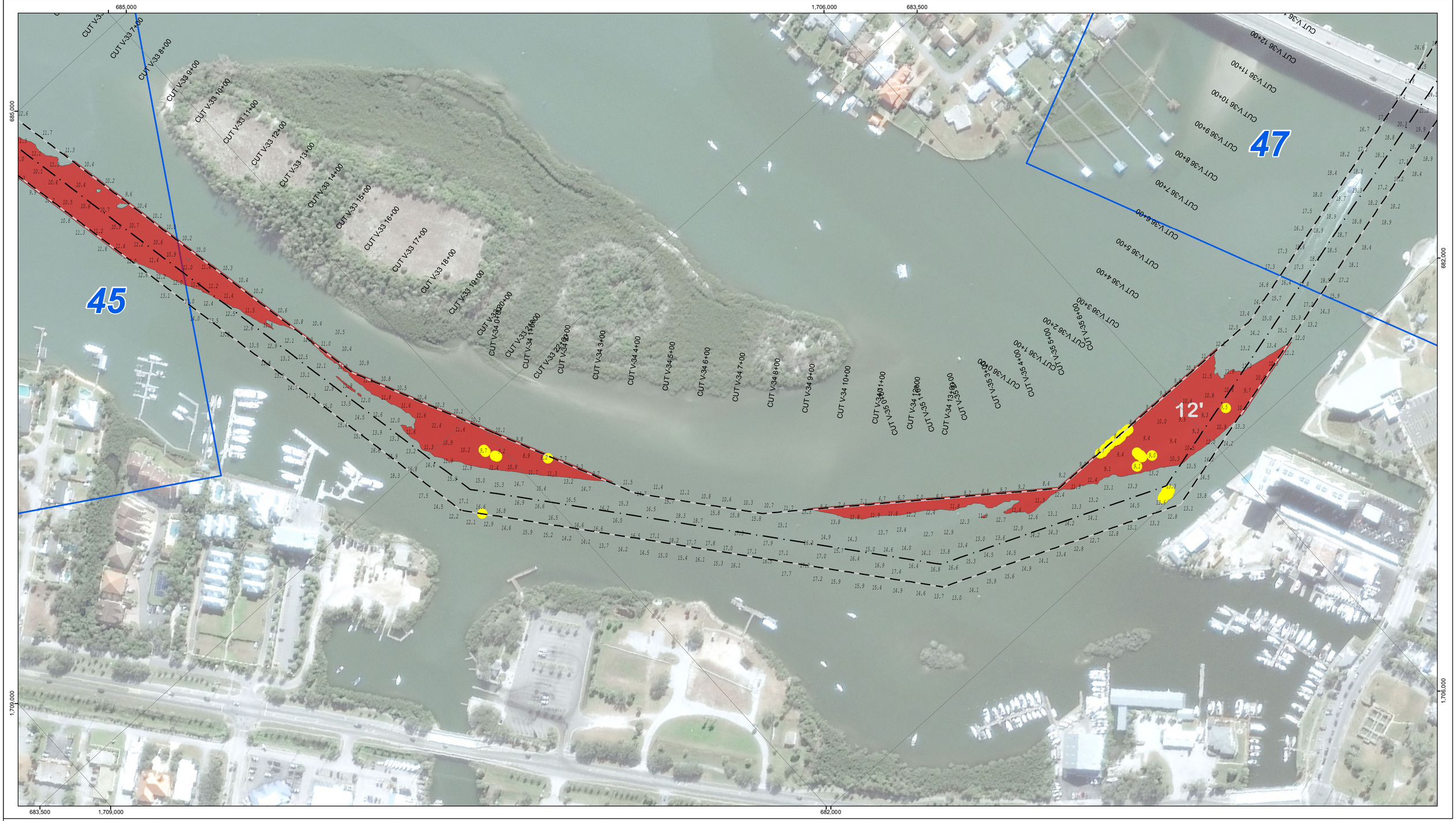
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
45 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revision Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 46 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

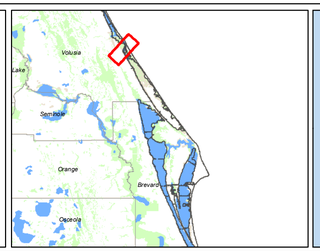
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

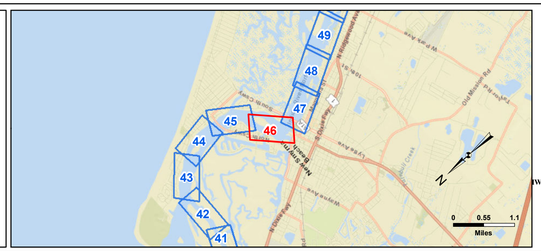
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





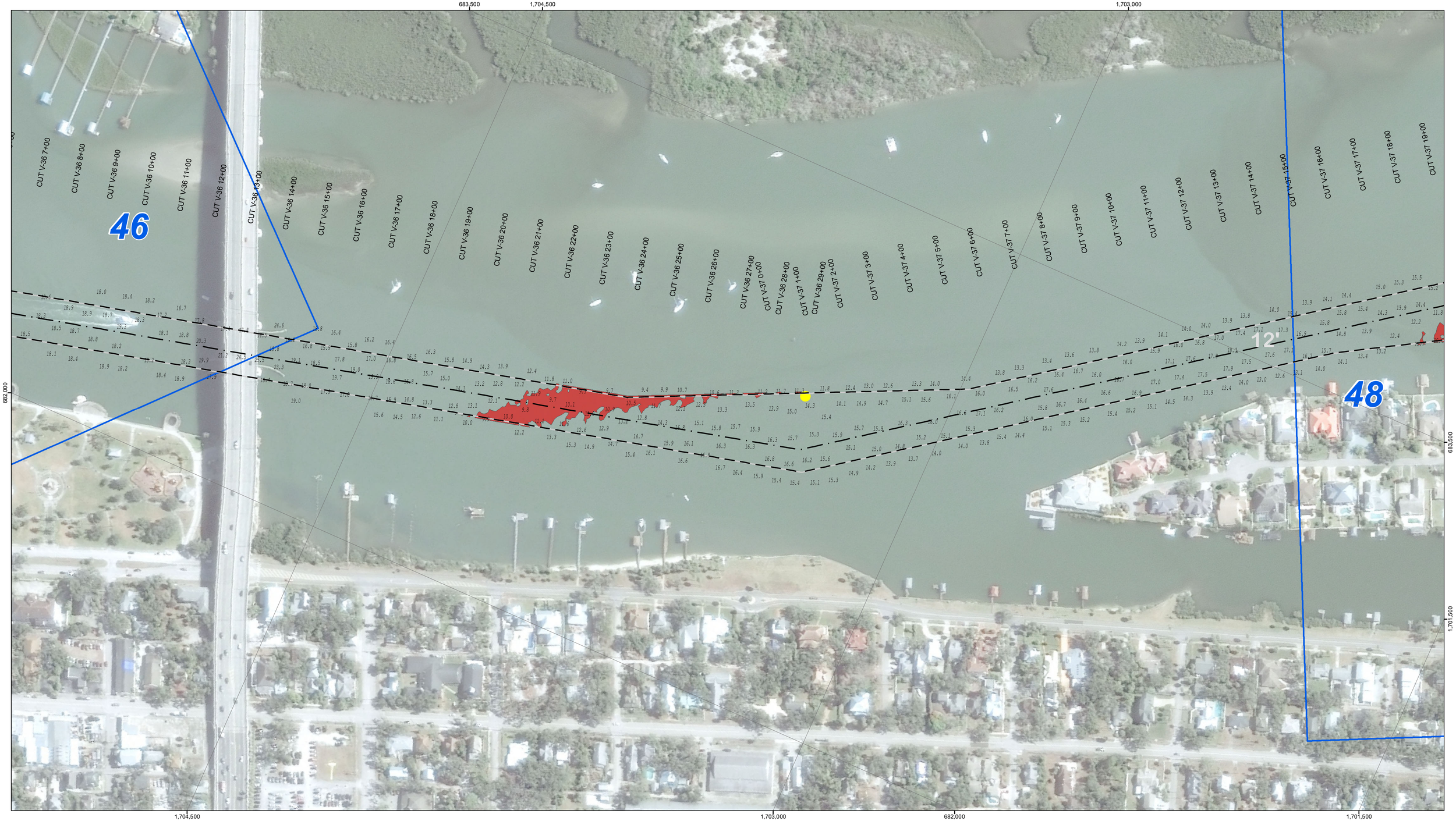
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
46 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

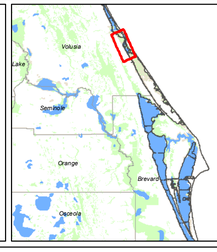
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

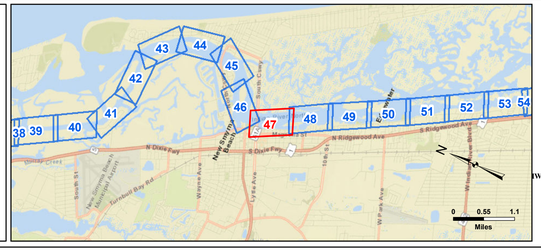
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





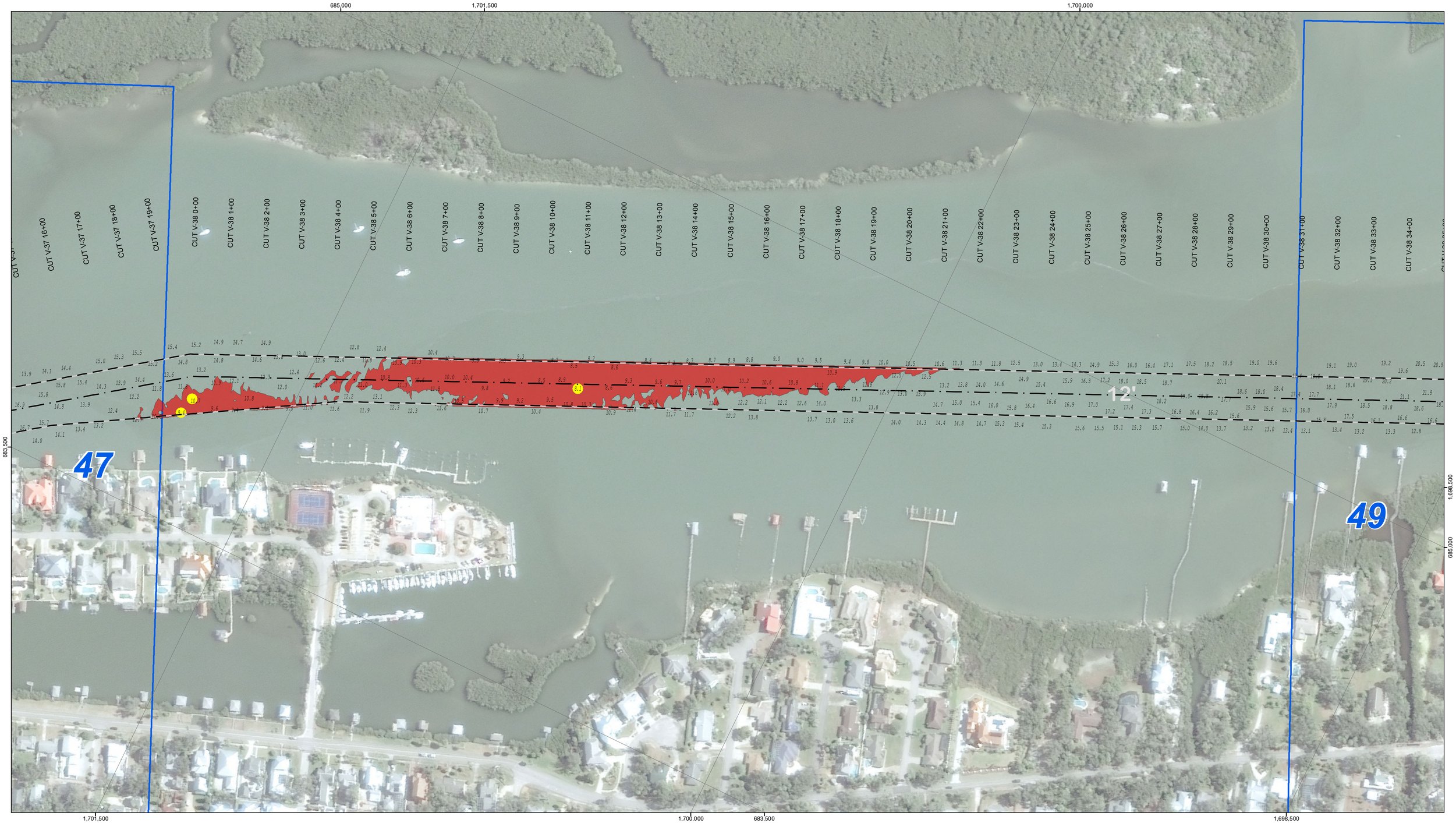
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
47 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

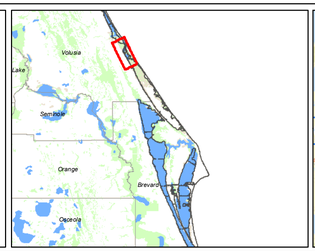
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

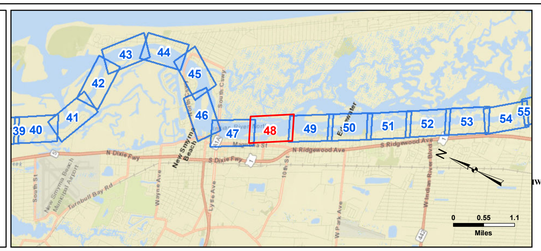
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





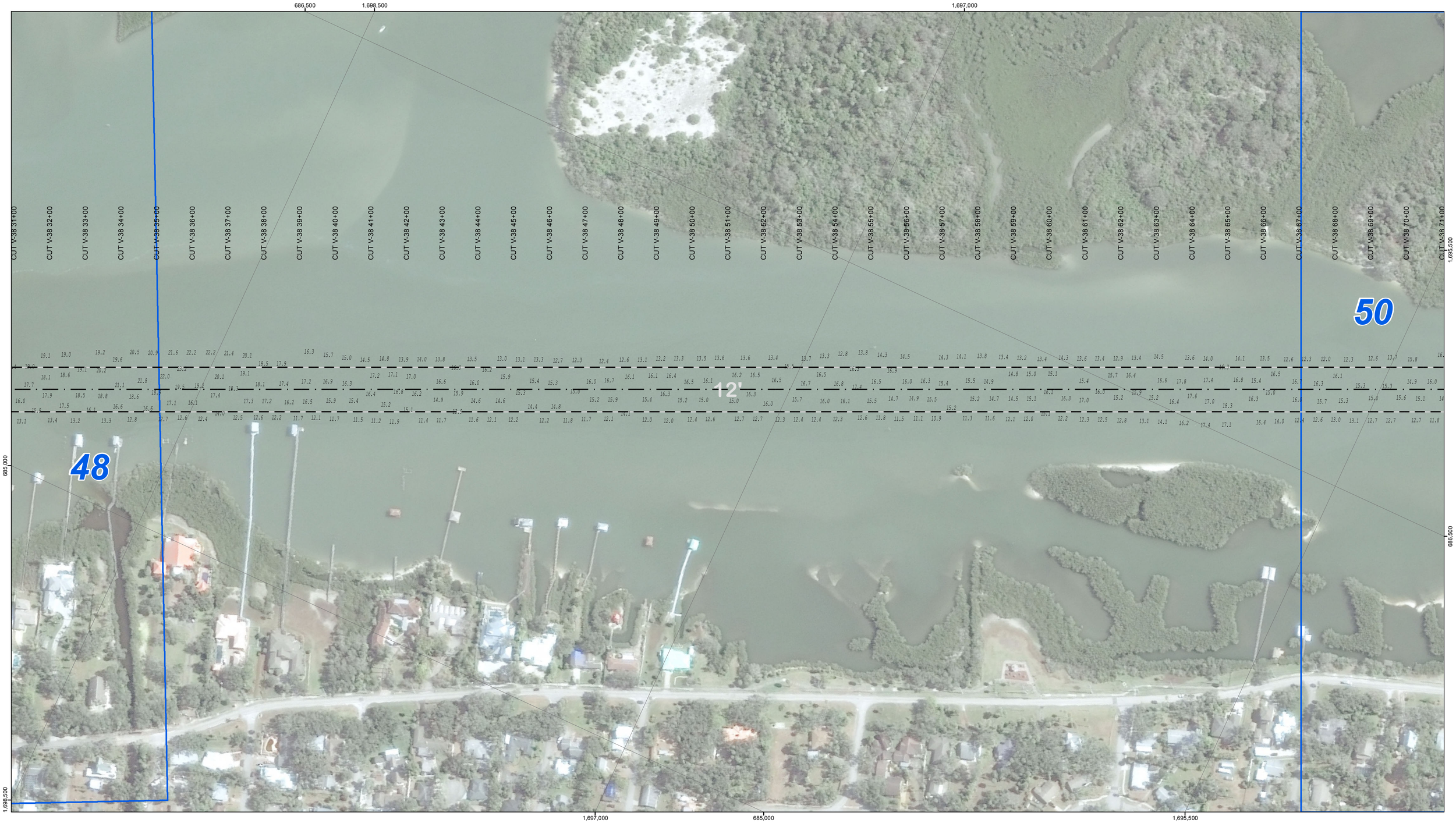
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
48 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revision Number:4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 49 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

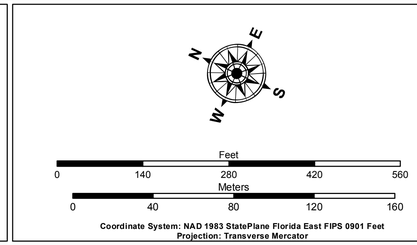
GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

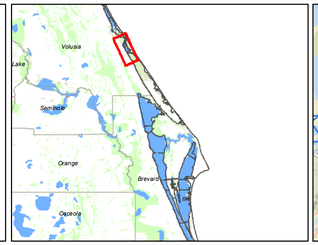
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

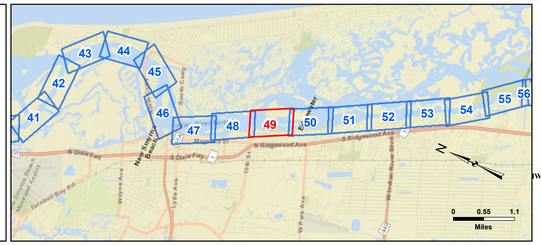
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator



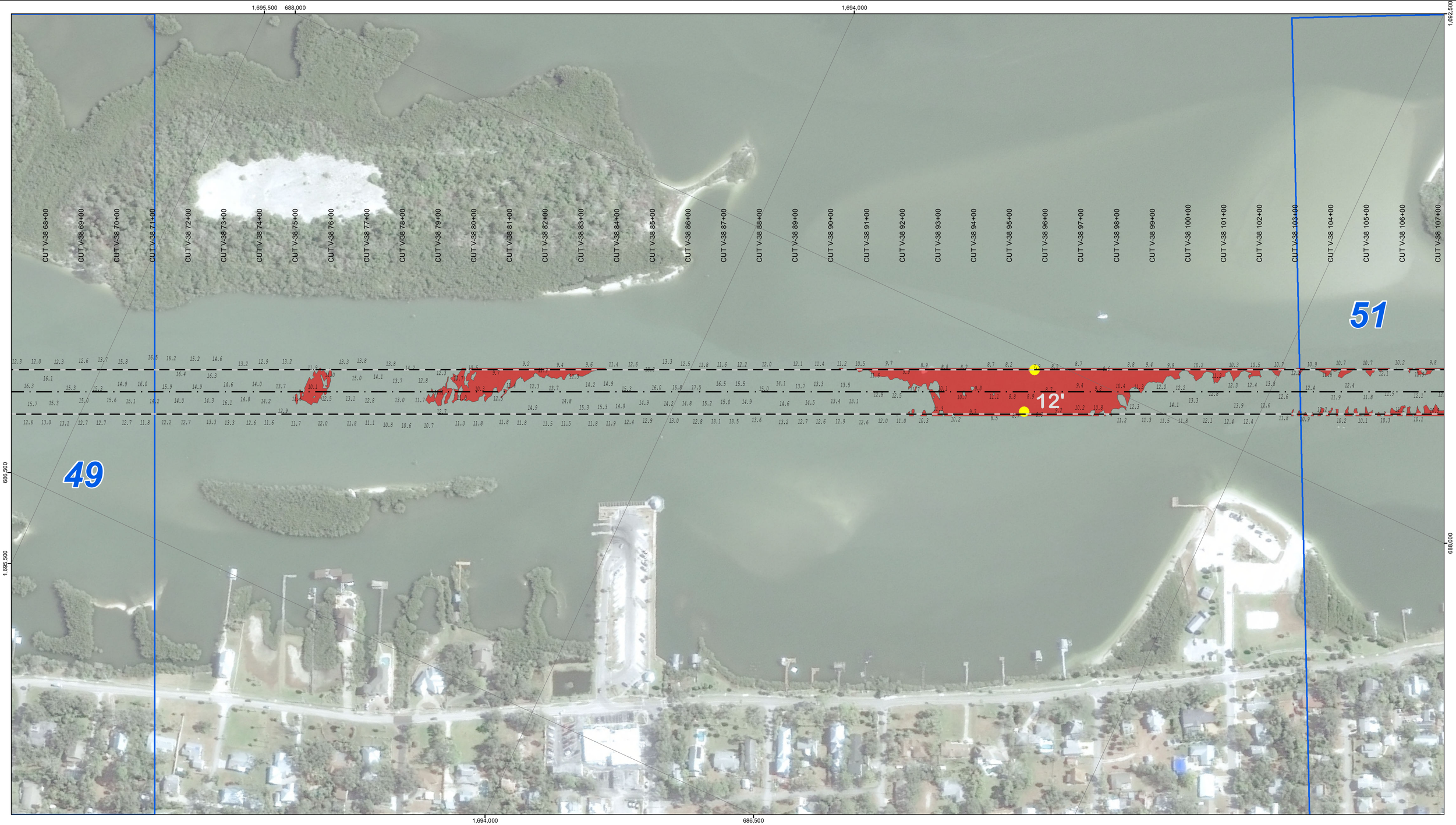


Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
49 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022
Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 50 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

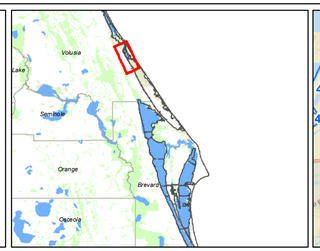
Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

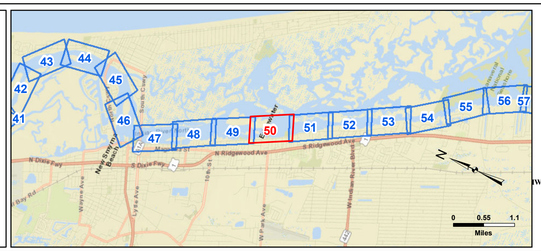
N W E S

Feet
0 140 280 420 560

Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





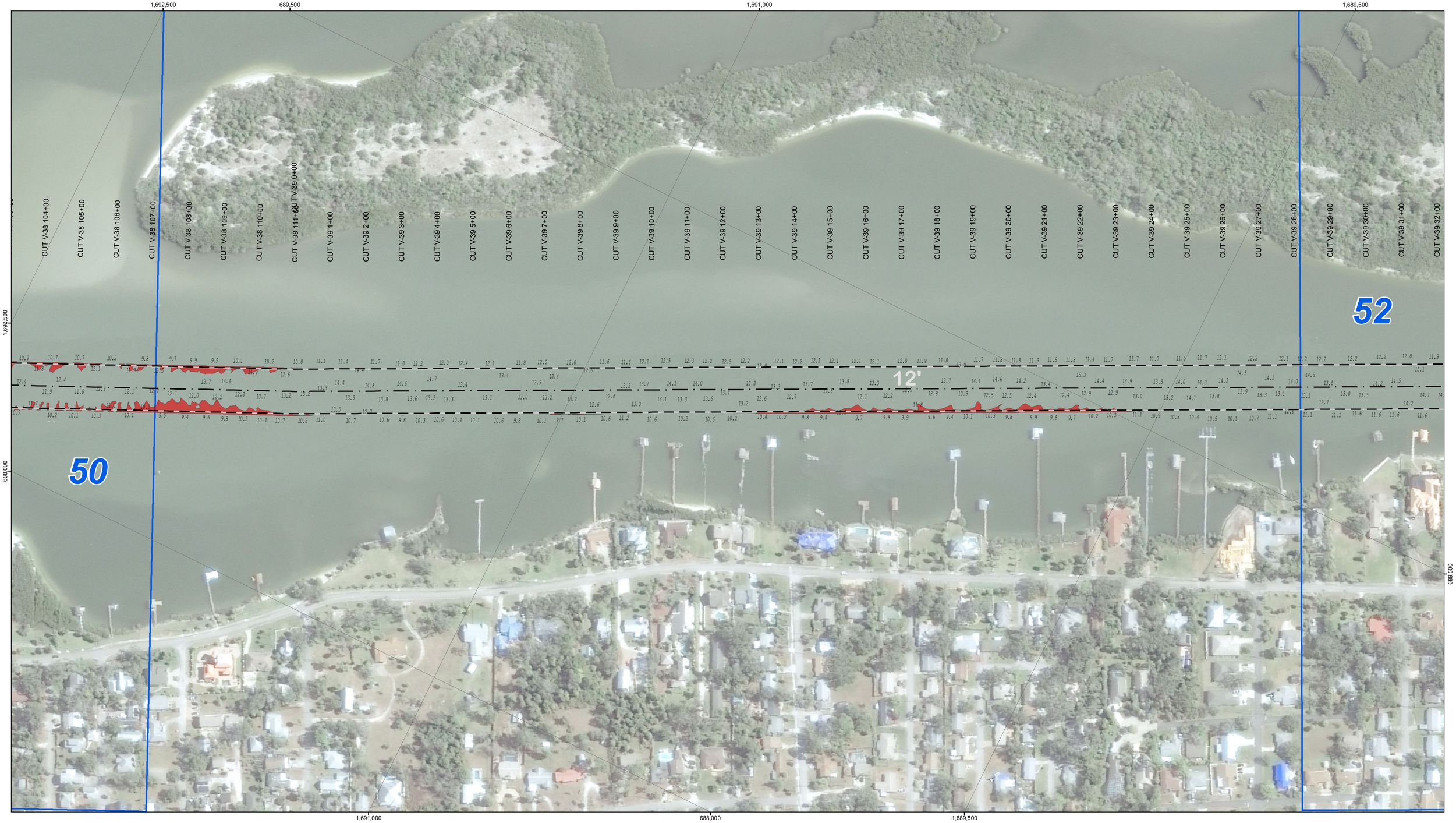
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
50 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

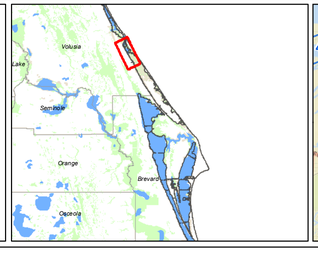
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

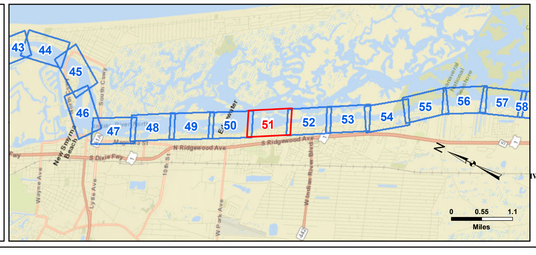
Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

N E S W

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
51 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

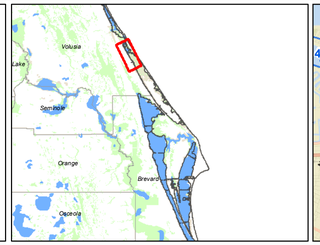
Centerline	EX:42.1	Sounding Points
ToeLine		Shoalest Sounding
Current Page		Shoaling Areas
Joining Page		Depth Line

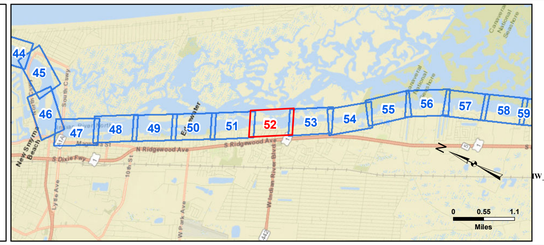
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
52 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022
Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.

692,500 1,685,000 1,683,500 694,000

CUT V-39 65+00 CUT V-39 66+00 CUT V-39 67+00 CUT V-39 68+00 CUT V-39 69+00 CUT V-39 70+00 CUT V-39 71+00 CUT V-39 72+00 CUT V-39 73+00 CUT V-39 74+00 CUT V-39 75+00 CUT V-39 76+00 CUT V-39 77+00 CUT V-39 78+00 CUT V-39 79+00 CUT V-39 80+00 CUT V-39 81+00 CUT V-39 82+00 CUT V-39 83+00 CUT V-39 84+00 CUT V-39 85+00 CUT V-39 86+00 CUT V-39 87+00 CUT V-39 88+00 CUT V-39 89+00 CUT V-39 90+00 CUT V-39 91+00 CUT V-39 92+00 CUT V-39 93+00 CUT V-39 94+00 CUT V-39 95+00 CUT V-39 96+00 CUT V-39 97+00 CUT V-39 98+00 CUT V-39 99+00 CUT V-39 100+00 CUT V-39 101+00 CUT V-39 102+00 CUT V-39 103+00 CUT V-39 104+00

54

12'

52

691,000

1,685,000 691,000 1,683,500 1,682,000

694,000

692,500

Sheet Reference Number 53 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

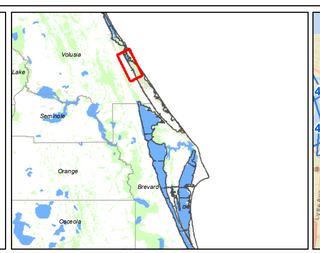
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

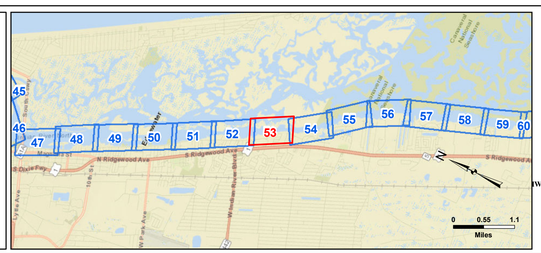
Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

N E S W

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
53 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.

694,000 1,682,000 695,500

CUT V-39 100+00 CUT V-39 101+00 CUT V-39 102+00 CUT V-39 103+00 CUT V-39 104+00 CUT V-39 105+00 CUT V-39 106+00 CUT V-39 107+00 CUT V-39 108+00 CUT V-39 109+00 CUT V-39 110+00 CUT V-39 111+00 CUT V-39 112+00 CUT V-39 113+00 CUT V-39 114+00 CUT V-39 115+00 CUT V-39 116+00 CUT V-39 117+00 CUT V-39 118+00 CUT V-39 119+00 CUT V-39 120+00 CUT V-39 121+00 CUT V-39 122+00 CUT V-39 123+00 CUT V-40 0+00 CUT V-39 124+00 CUT V-40 1+00 CUT V-40 2+00 CUT V-40 3+00 CUT V-40 4+00 CUT V-40 5+00 CUT V-40 6+00 CUT V-40 7+00 CUT V-40 8+00 CUT V-40 9+00 CUT V-40 10+00 CUT V-40 11+00 CUT V-40 12+00 CUT V-40 13+00 CUT V-40 14+00 CUT V-40 15+00 CUT V-40 16+00 CUT V-40 17+00

53 55 12'

692,500 1,679,000 695,500

1,682,000

692,500 1,680,500 1,679,000 694,000

IWW JAX TO MIA (VOLUSIA COUNTY)

Sheet Reference Number 54 of 77

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

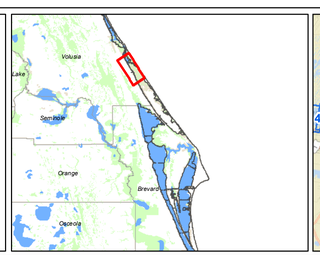
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

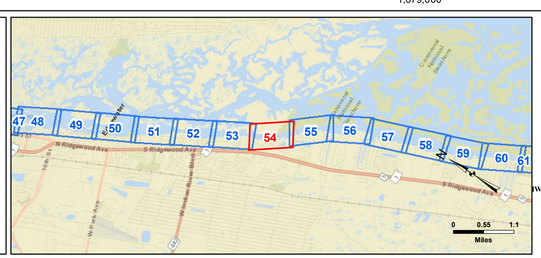
Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

N E S W

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator



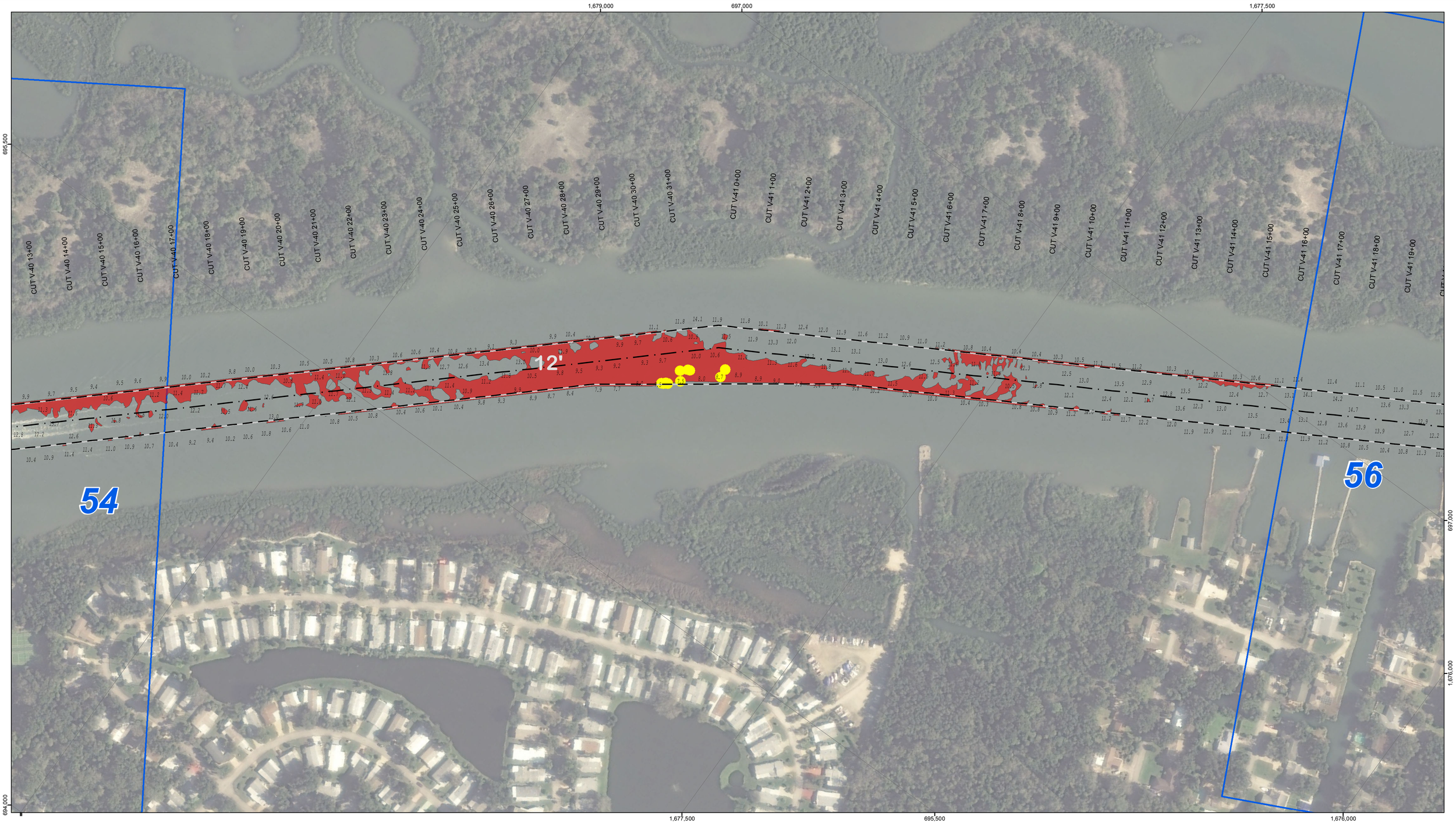


Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
54 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022
Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 55 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

DISCLAIMER

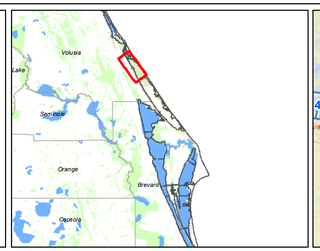
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any particular 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

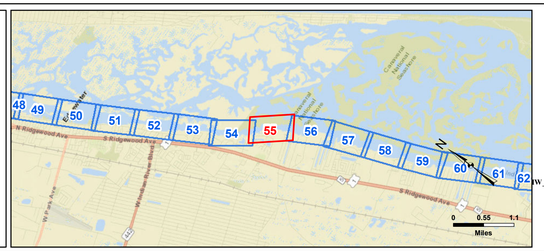
Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

N E S W

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER

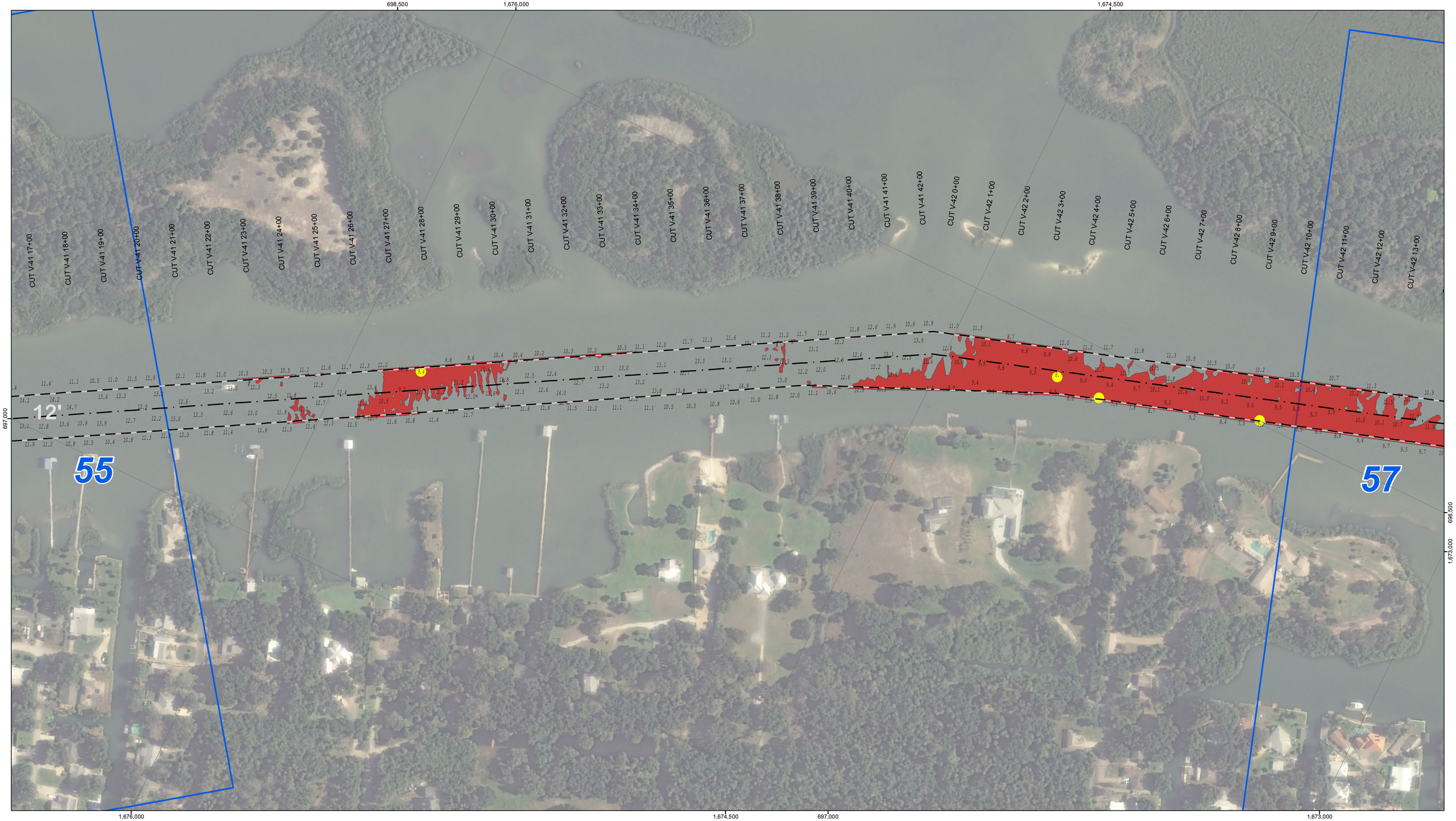
55 of 77

Document Name:
IWW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF

Date Saved:3/24/2022

Revison Number: 4.2-20200420

This survey mapbook supersedes all previous versions.



US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

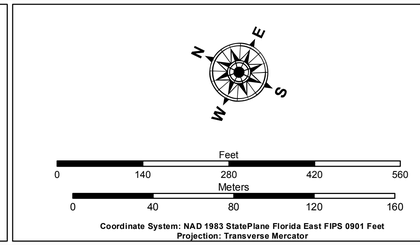
GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

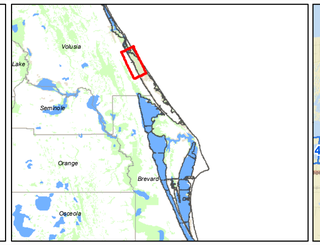
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

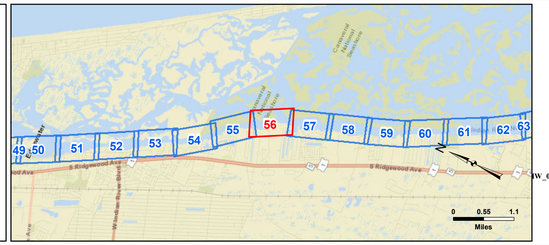
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





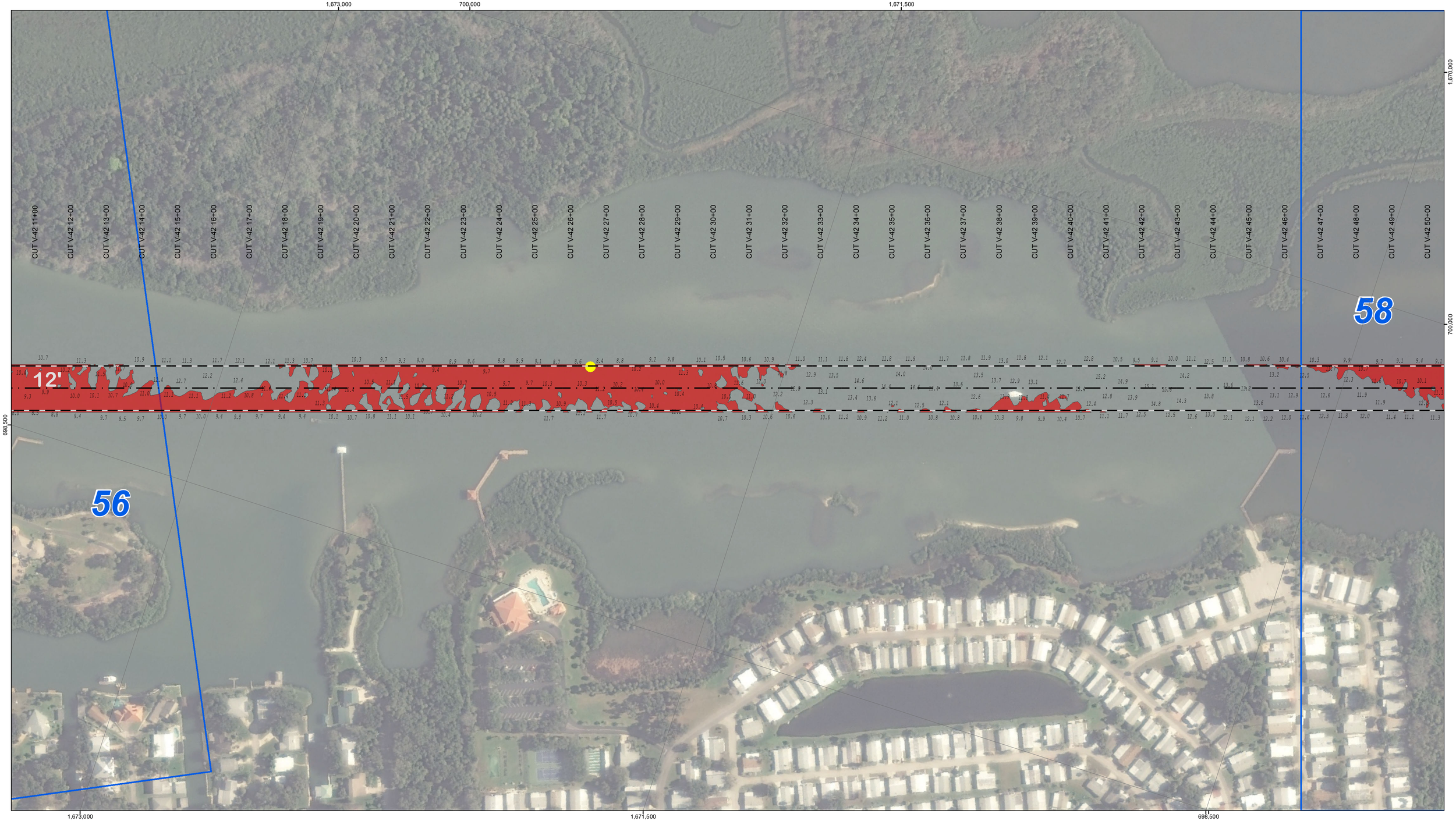
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
56 of 77

Document Name:
IWW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

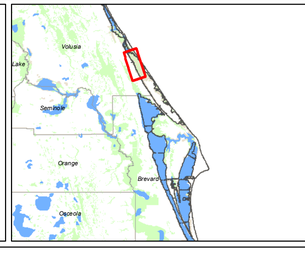
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

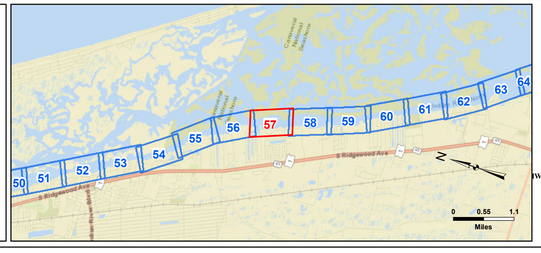
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





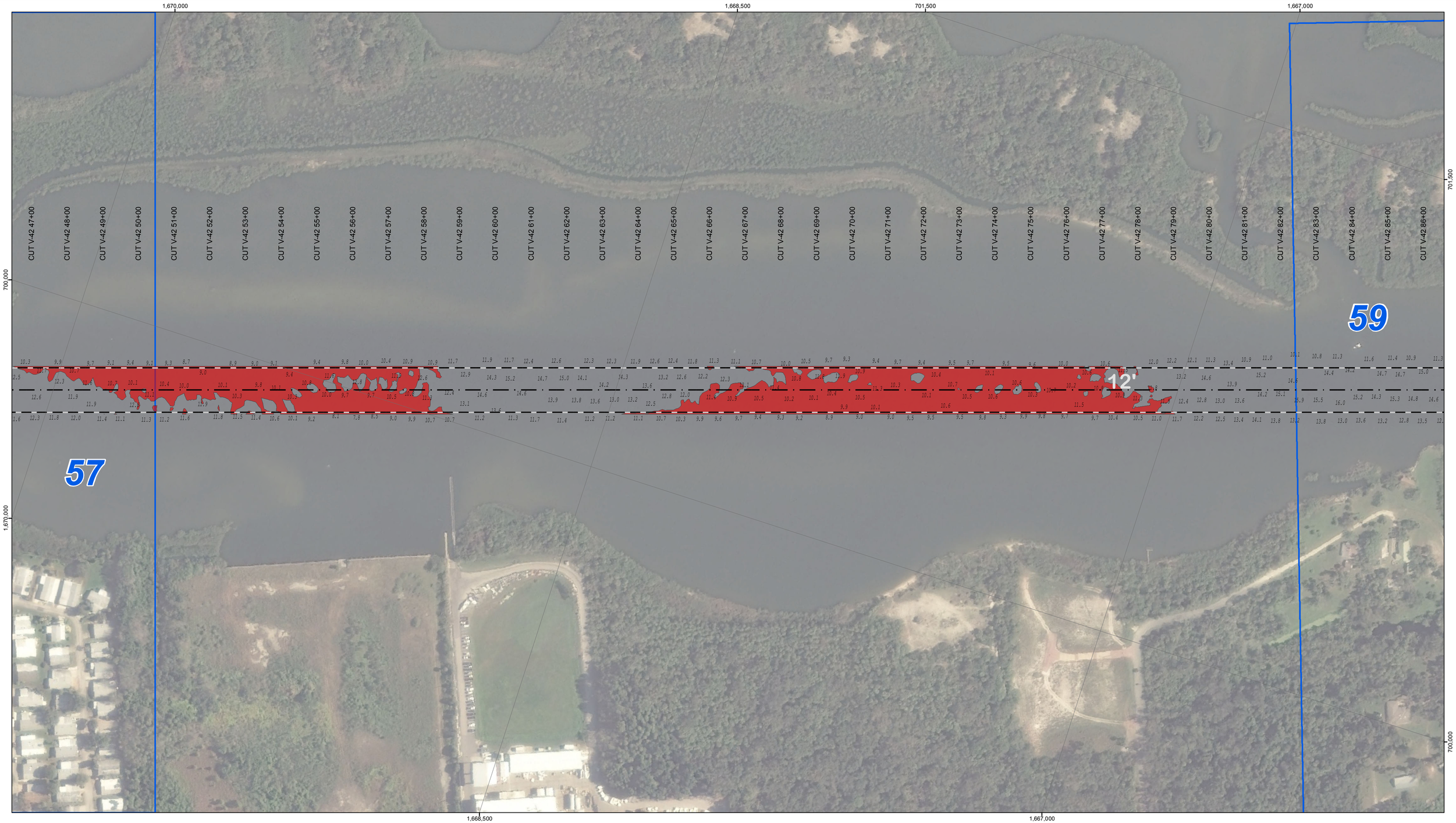
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
57 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 58 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

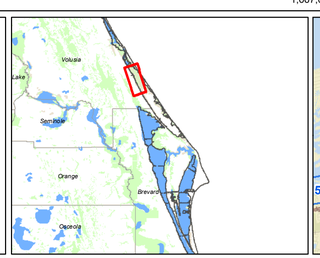
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

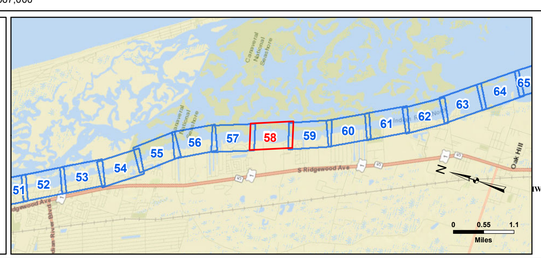
Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

N E S W

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
58 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number:4.2-20200420
This survey mapbook supersedes all previous versions.

1,667,000 | 1,665,500 | 1,664,000 | 703,000

701,500 | 700,000 | 1,662,500

CUT V-42 83+00 | CUT V-42 84+00 | CUT V-42 85+00 | CUT V-42 86+00 | CUT V-42 87+00 | CUT V-42 88+00 | CUT V-42 89+00 | CUT V-42 90+00 | CUT V-42 91+00 | CUT V-42 92+00 | CUT V-42 93+00 | CUT V-42 94+00 | CUT V-42 95+00 | CUT V-42 96+00 | CUT V-42 97+00 | CUT V-42 98+00 | CUT V-42 99+00 | CUT V-42 100+00 | CUT V-42 101+00 | CUT V-42 102+00 | CUT V-42 103+00 | CUT V-42 104+00 | CUT V-42 105+00 | CUT V-42 106+00 | CUT V-42 107+00 | CUT V-42 108+00 | CUT V-42 109+00 | CUT V-42 110+00 | CUT V-42 111+00 | CUT V-42 112+00 | CUT V-42 113+00 | CUT V-42 114+00 | CUT V-42 115+00 | CUT V-43 0+00 | CUT V-43 1+00 | CUT V-43 2+00 | CUT V-43 3+00 | CUT V-43 4+00 | CUT V-43 5+00 | CUT V-43 6+00 | CUT V-43 7+00

60

12'

58

1,665,500 | 700,000 | 1,664,000

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

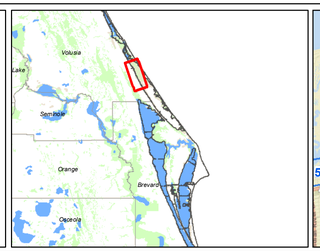
Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

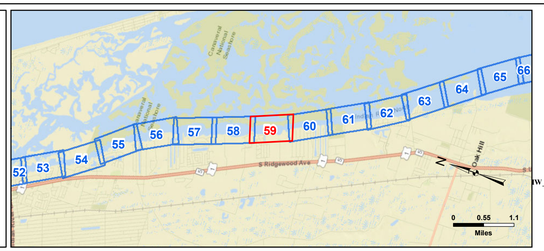
N E S W

Feet
0 | 140 | 280 | 420 | 560

Meters
0 | 40 | 80 | 120 | 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
59 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022
Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.

703,000 1,662,500 1,661,000 704,500

704,500 1,659,500 703,000 701,500

1,662,500 701,500 1,661,000 1,659,500

CUT V-43 3+00 CUT V-43 4+00 CUT V-43 5+00 CUT V-43 6+00 CUT V-43 7+00 CUT V-43 8+00 CUT V-43 9+00 CUT V-43 10+00 CUT V-43 11+00 CUT V-43 12+00 CUT V-43 13+00 CUT V-43 14+00 CUT V-43 15+00 CUT V-43 16+00 CUT V-43 17+00 CUT V-43 18+00 CUT V-43 19+00 CUT V-43 20+00 CUT V-43 21+00 CUT V-43 22+00 CUT V-43 23+00 CUT V-43 24+00 CUT V-43 25+00 CUT V-43 26+00 CUT V-43 27+00 CUT V-43 28+00 CUT V-43 29+00 CUT V-43 30+00 CUT V-43 31+00 CUT V-43 32+00 CUT V-43 33+00 CUT V-43 34+00 CUT V-43 35+00 CUT V-43 36+00 CUT V-43 37+00 CUT V-43 38+00 CUT V-43 39+00 CUT V-43 40+00 CUT V-43 41+00 CUT V-43 42+00

59

61

12'

Sheet Reference Number 60 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

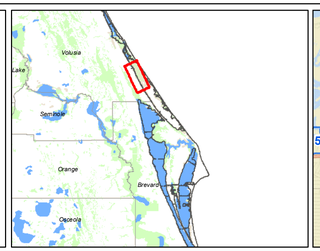
Legend

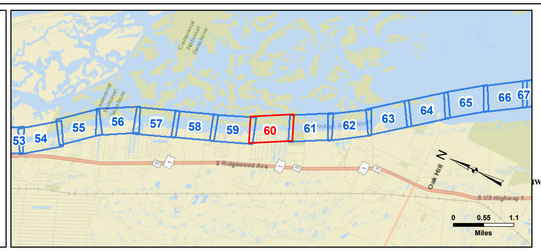
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.
Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
60 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.

704,500 1,659,500 1,658,000 706,000

CUT V-43 39+00 CUT V-43 40+00 CUT V-43 41+00 CUT V-43 42+00 CUT V-43 43+00 CUT V-43 44+00 CUT V-43 45+00 CUT V-43 46+00 CUT V-43 47+00 CUT V-43 48+00 CUT V-43 49+00 CUT V-43 50+00 CUT V-43 51+00 CUT V-43 52+00 CUT V-43 53+00 CUT V-43 54+00 CUT V-43 55+00 CUT V-43 56+00 CUT V-43 57+00 CUT V-43 58+00 CUT V-43 59+00 CUT V-43 60+00 CUT V-43 61+00 CUT V-43 62+00 CUT V-43 63+00 CUT V-43 64+00 CUT V-43 65+00 CUT V-43 66+00 CUT V-43 67+00 CUT V-43 68+00 CUT V-43 69+00 CUT V-43 70+00 CUT V-43 71+00 CUT V-43 72+00 CUT V-43 73+00 CUT V-43 74+00 CUT V-43 75+00 CUT V-43 76+00 CUT V-43 77+00 CUT V-43 78+00 CUT V-43 79+00

62

12'

60

703,000 1,656,500 704,500

1,659,500 703,000 1,658,000 1,656,500

Sheet Reference Number 61 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

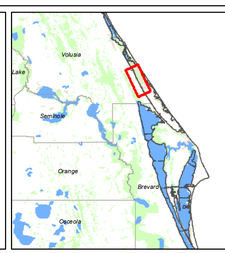
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

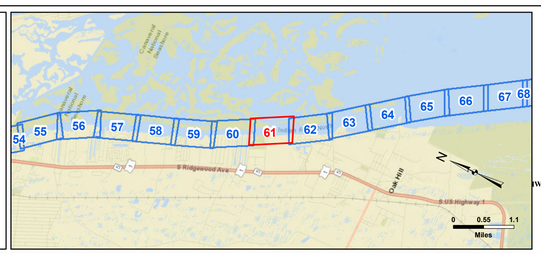
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

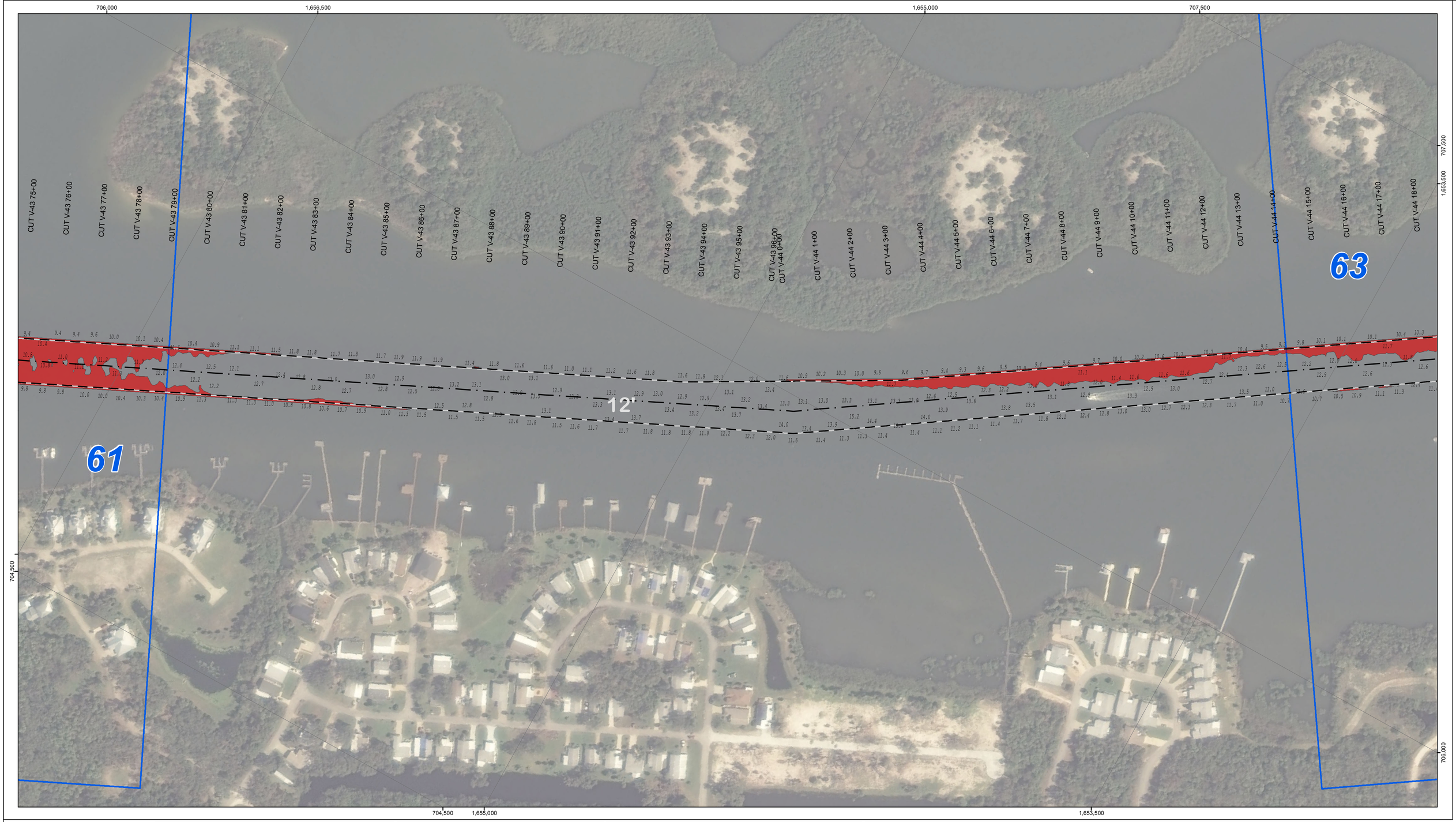
Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator




54 55 56 57 58 59 60 61 62 63 64 65 66 67 68
S Ridgewood Ave
Dunlawton Ave
Port Orange
Daytona Beach International Airport
Dunlawton Bridge
Dunlawton Ave
Dunlawton Ave
Dunlawton Ave



US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

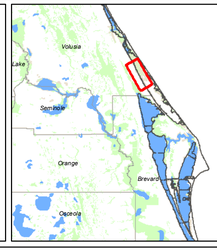
Legend

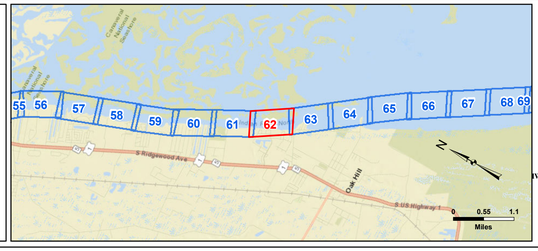
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.
Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

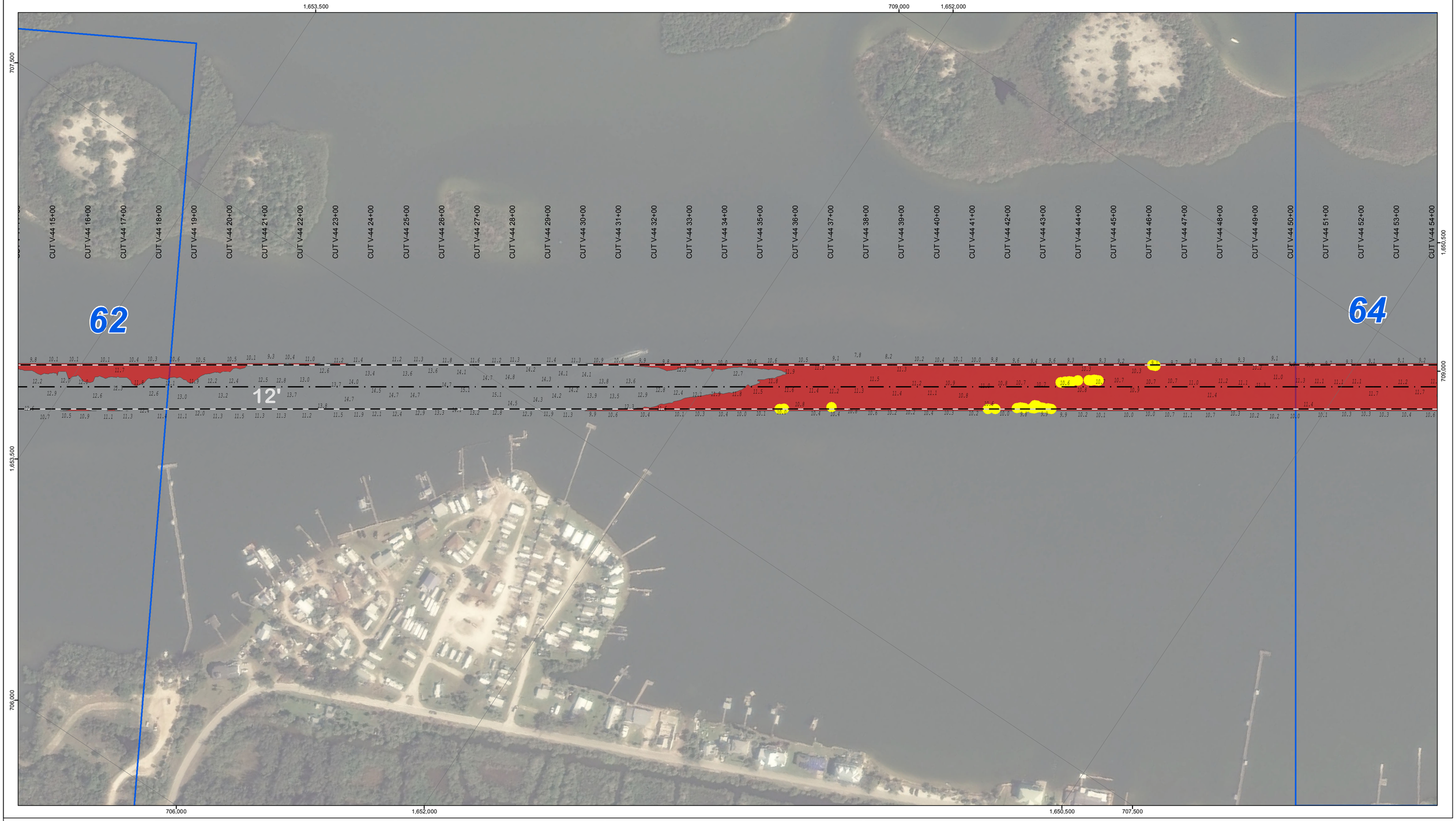
SHEET REFERENCE NUMBER
62 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF

Date Saved:3/24/2022

Revison Number: 4.2-20200420

This survey mapbook supersedes all previous versions.



Sheet Reference Number 63 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

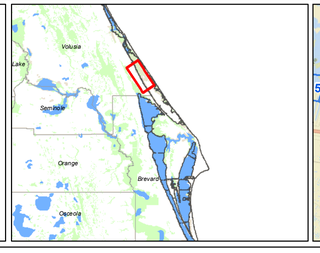
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

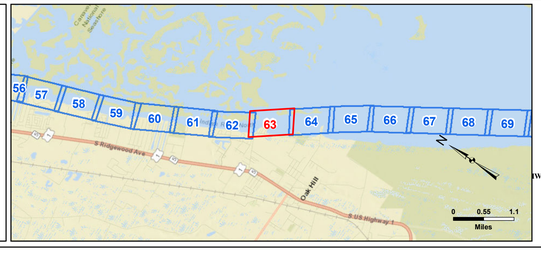
Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

N E S W

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
63 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.

1,650,500 710,500 1,649,000

709,000 1,647,500

CUT V-44 51+00 CUT V-44 52+00 CUT V-44 53+00 CUT V-44 54+00 CUT V-44 55+00 CUT V-44 56+00 CUT V-44 57+00 CUT V-44 58+00 CUT V-44 59+00 CUT V-44 60+00 CUT V-44 61+00 CUT V-44 62+00 CUT V-44 63+00 CUT V-44 64+00 CUT V-44 65+00 CUT V-44 66+00 CUT V-44 67+00 CUT V-44 68+00 CUT V-44 69+00 CUT V-44 70+00 CUT V-44 71+00 CUT V-44 72+00 CUT V-44 73+00 CUT V-44 74+00 CUT V-44 75+00 CUT V-44 76+00 CUT V-44 77+00 CUT V-44 78+00 CUT V-44 79+00 CUT V-44 80+00 CUT V-44 81+00 CUT V-44 82+00 CUT V-44 83+00 CUT V-44 84+00 CUT V-44 85+00 CUT V-44 86+00 CUT V-44 87+00 CUT V-44 88+00 CUT V-44 89+00 CUT V-44 90+00

63

12'

65

1,650,500 1,649,000 709,000 1,647,500 710,500

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

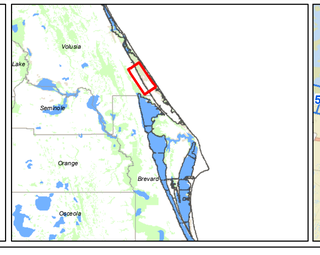
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

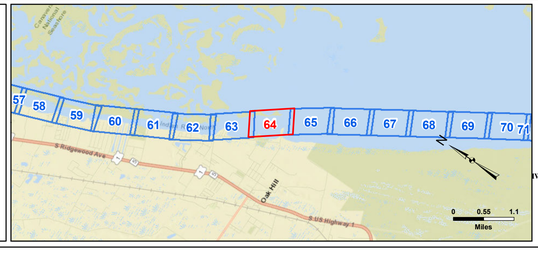
Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

N E S W

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
64 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.

712,000 1,647,500 1,646,000 713,500

CUT V-44 87+00 CUT V-44 88+00 CUT V-44 89+00 CUT V-44 90+00 CUT V-44 91+00 CUT V-44 92+00 CUT V-44 93+00 CUT V-44 94+00 CUT V-44 95+00 CUT V-44 96+00 CUT V-44 97+00 CUT V-44 98+00 CUT V-44 99+00 CUT V-44 100+00 CUT V-44 101+00 CUT V-44 102+00 CUT V-44 103+00 CUT V-44 104+00 CUT V-44 105+00 CUT V-44 106+00 CUT V-44 107+00 CUT V-44 108+00 CUT V-44 109+00 CUT V-44 110+00 CUT V-44 111+00 CUT V-45 0+00 CUT V-45 1+00 CUT V-45 2+00 CUT V-45 3+00 CUT V-45 4+00 CUT V-45 5+00 CUT V-45 6+00 CUT V-45 7+00 CUT V-45 8+00 CUT V-45 9+00 CUT V-45 10+00 CUT V-45 11+00 CUT V-45 12+00 CUT V-45 13+00 CUT V-45 14+00

12'

64

66

713,500 1,644,500 712,000

710,500 1,647,500

1,646,000 710,500 1,644,500

IWW JAX TO MIA (VOLUSIA COUNTY)

Sheet Reference Number 65 of 77

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

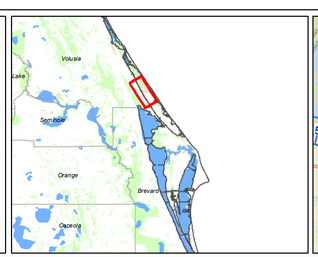
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

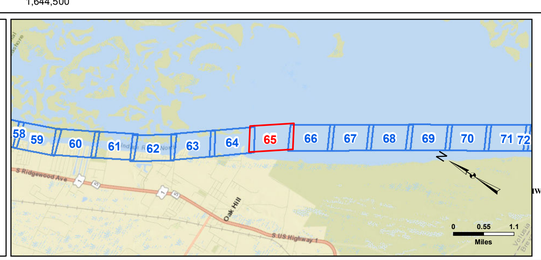
Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

N E S W

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





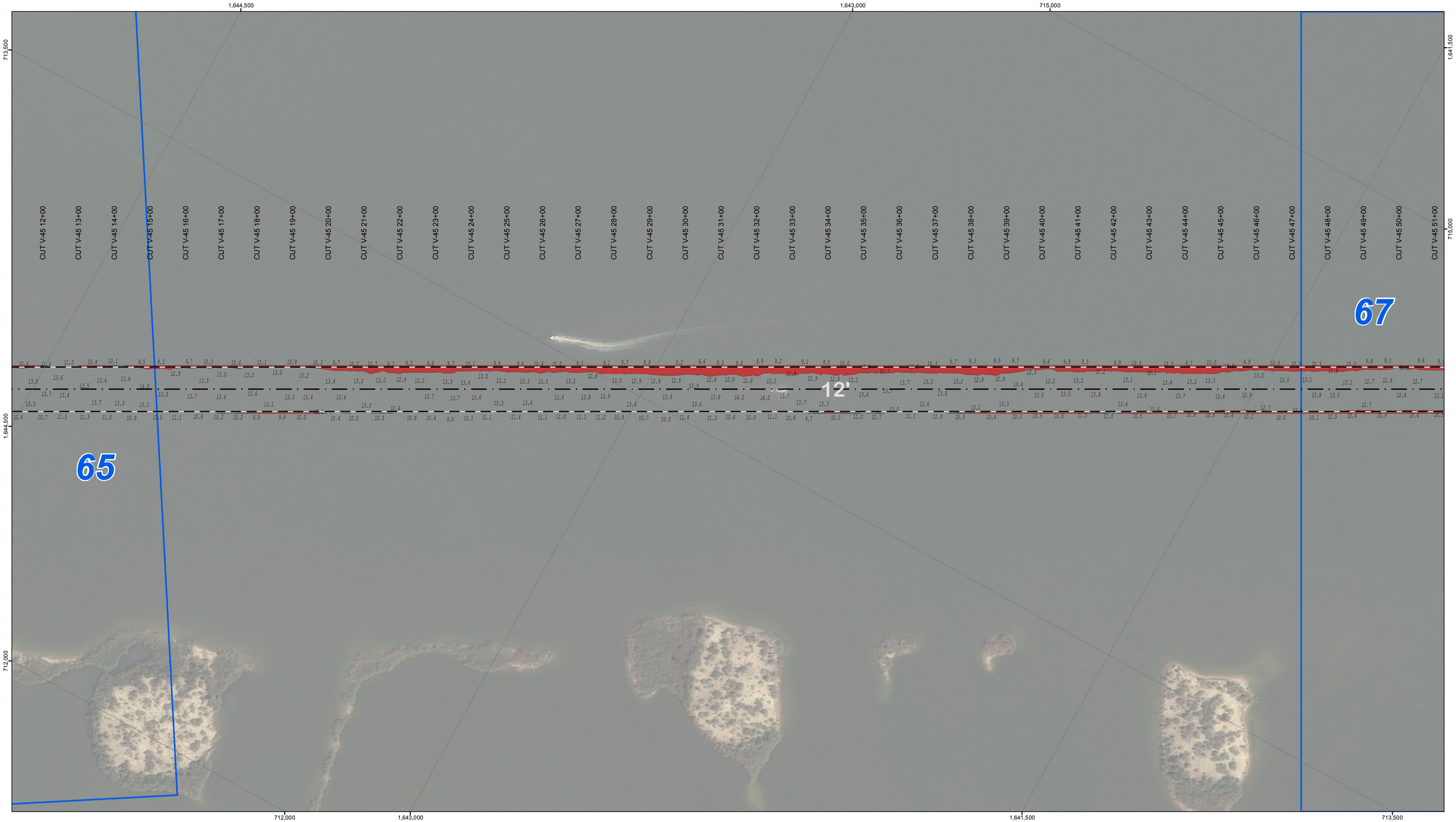
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
65 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

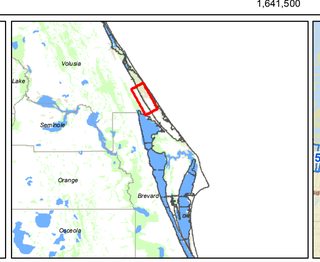
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

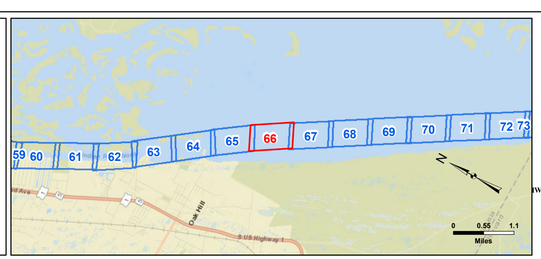
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator



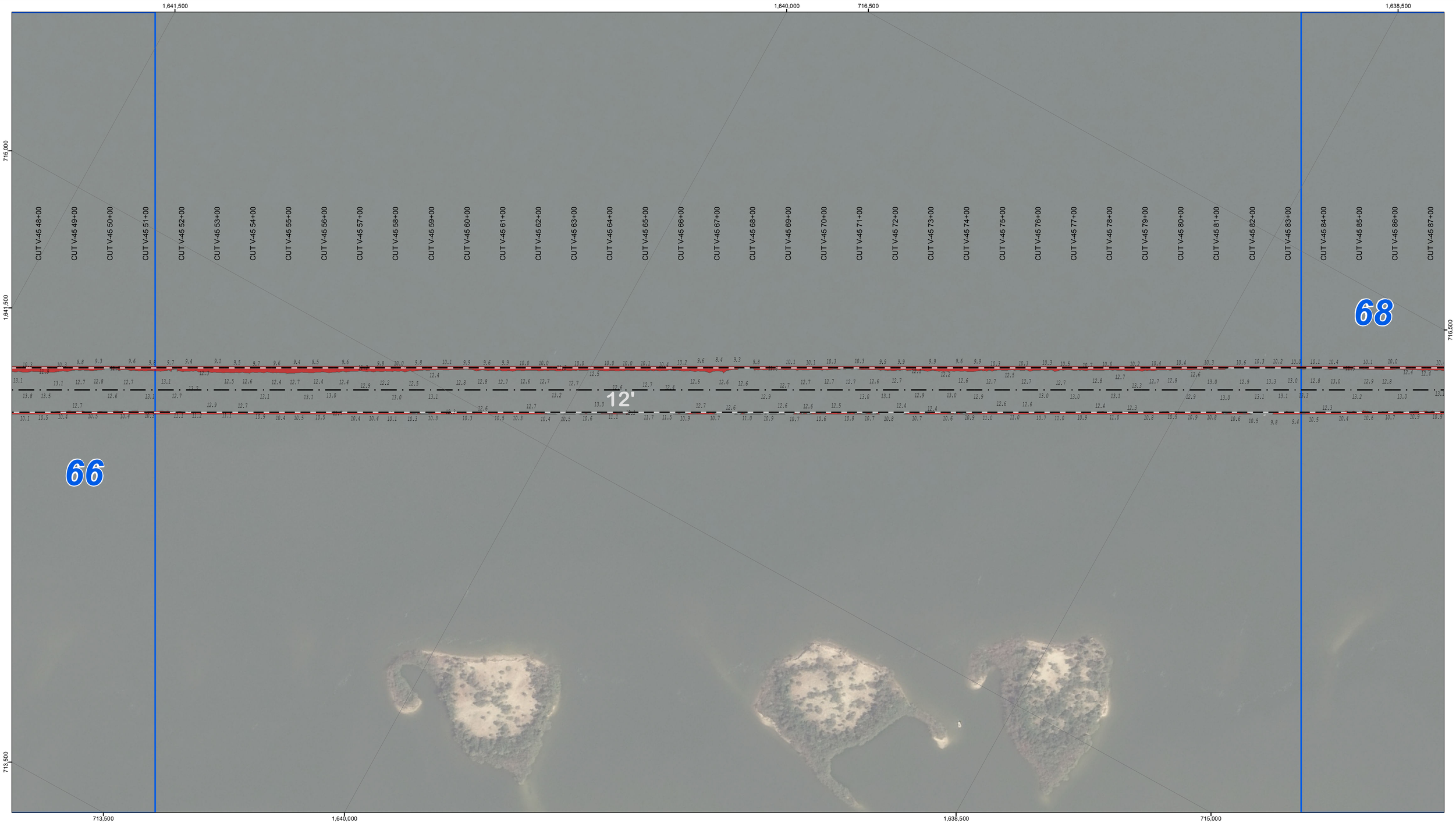


Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
66 of 77

Document Name:
IWW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022
Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

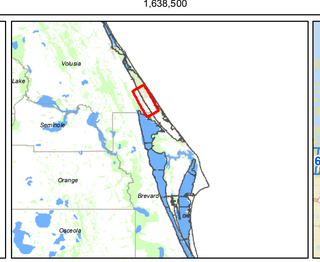
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

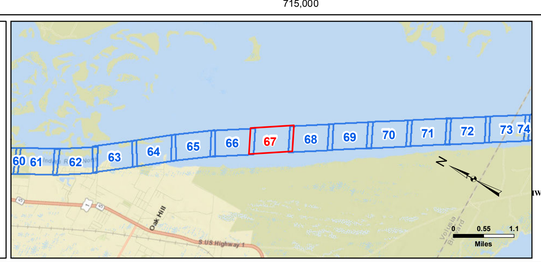
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
67 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022
Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.

1,638,500 718,000 1,637,000 1,635,500

1,638,500
716,500

CUT V-45 84+00 CUT V-45 85+00 CUT V-45 86+00 CUT V-45 87+00 CUT V-45 88+00 CUT V-45 89+00 CUT V-45 90+00 CUT V-45 91+00 CUT V-45 92+00 CUT V-45 93+00 CUT V-45 94+00 CUT V-45 95+00 CUT V-45 96+00 CUT V-45 97+00 CUT V-45 98+00 CUT V-45 99+00 CUT V-45 100+00 CUT V-45 101+00 CUT V-45 102+00 CUT V-45 103+00 CUT V-45 104+00 CUT V-45 105+00 CUT V-45 106+00 CUT V-45 107+00 CUT V-45 108+00 CUT V-45 109+00 CUT V-45 110+00 CUT V-45 111+00 CUT V-45 112+00 CUT V-45 113+00 CUT V-45 114+00 CUT V-45 115+00 CUT V-45 116+00 CUT V-45 117+00 CUT V-45 118+00 CUT V-45 119+00 CUT V-45 120+00 CUT V-45 121+00 CUT V-45 122+00 CUT V-45 123+00

67

12'

69

718,000

1,637,000 1,635,500 716,500

Sheet Reference Number 68 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Rohar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

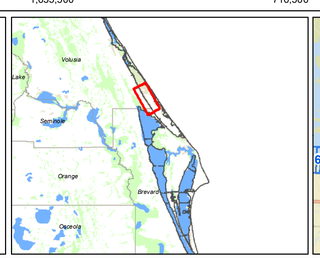
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

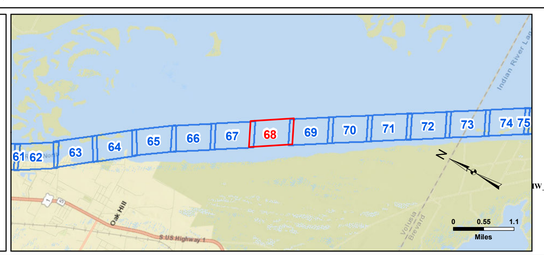
Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

N E S W

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





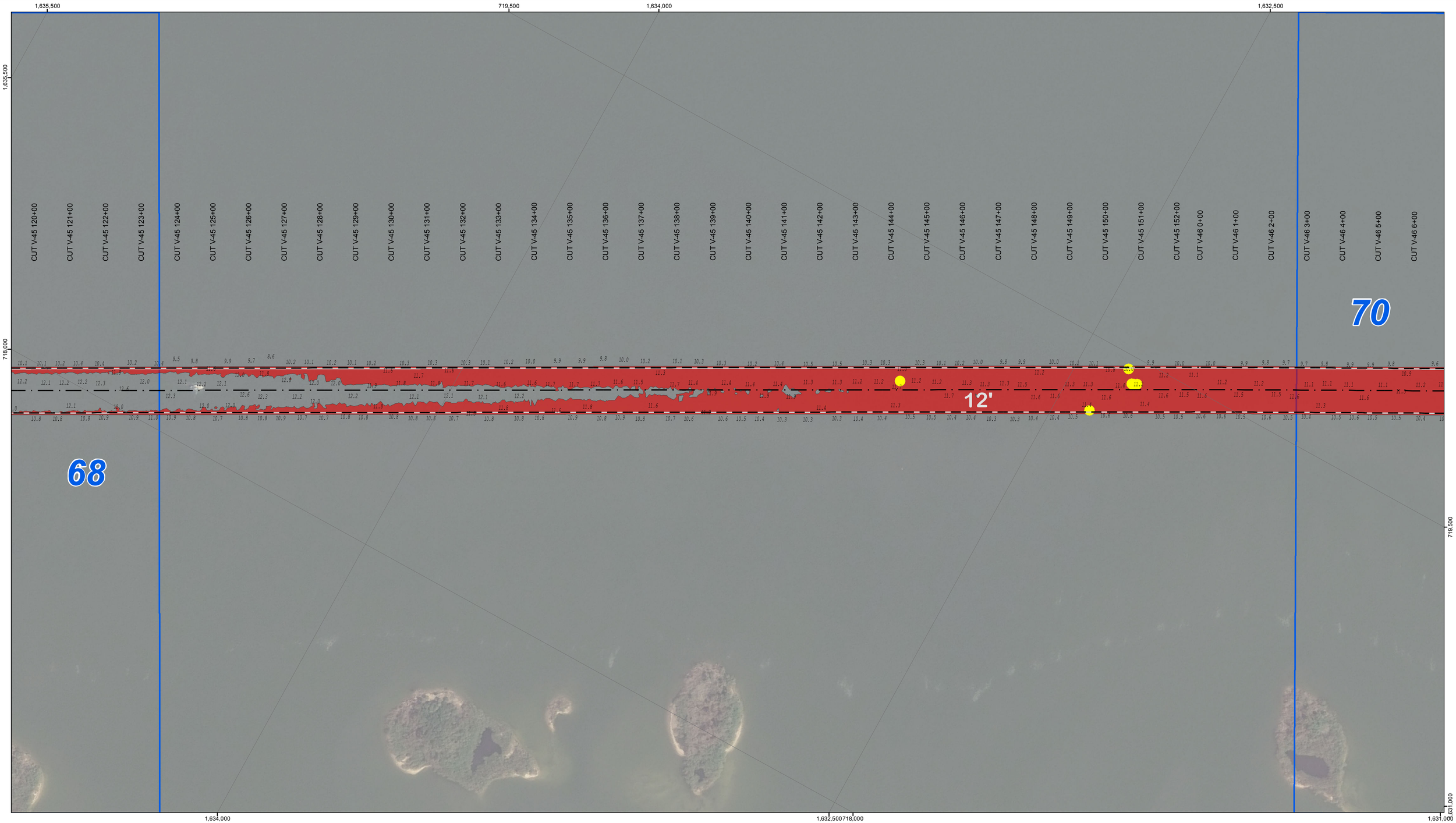
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
68 of 77

Document Name:
IWW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 69 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

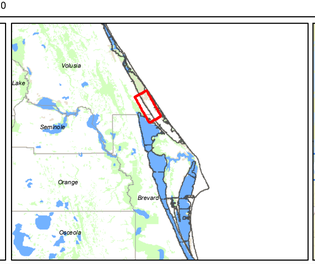
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

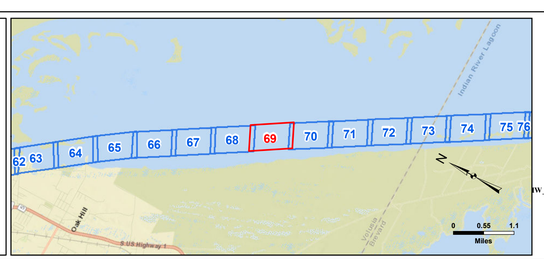
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
69 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 70 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Rohar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

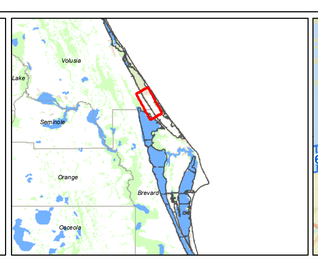
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

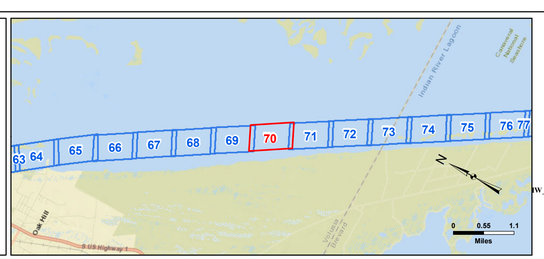
Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

N E S W

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





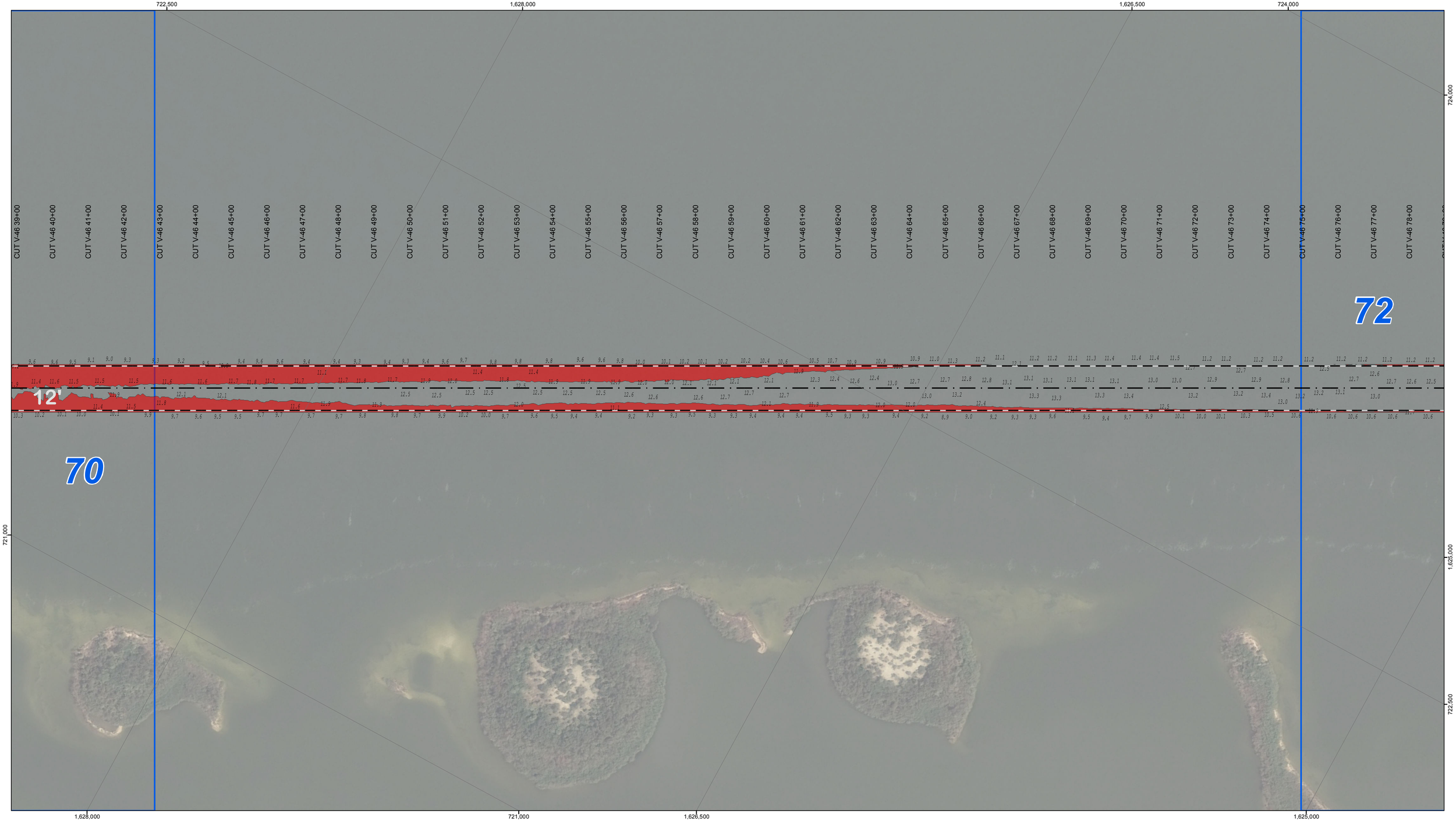
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
70 of 77

Document Name:
IWW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Legend

- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

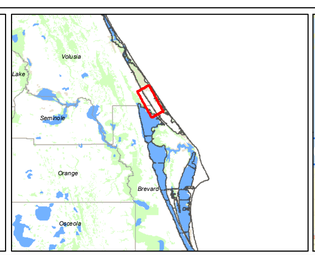
GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

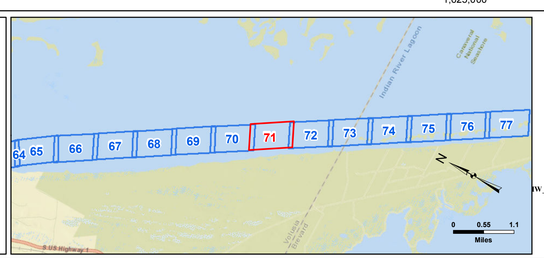
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





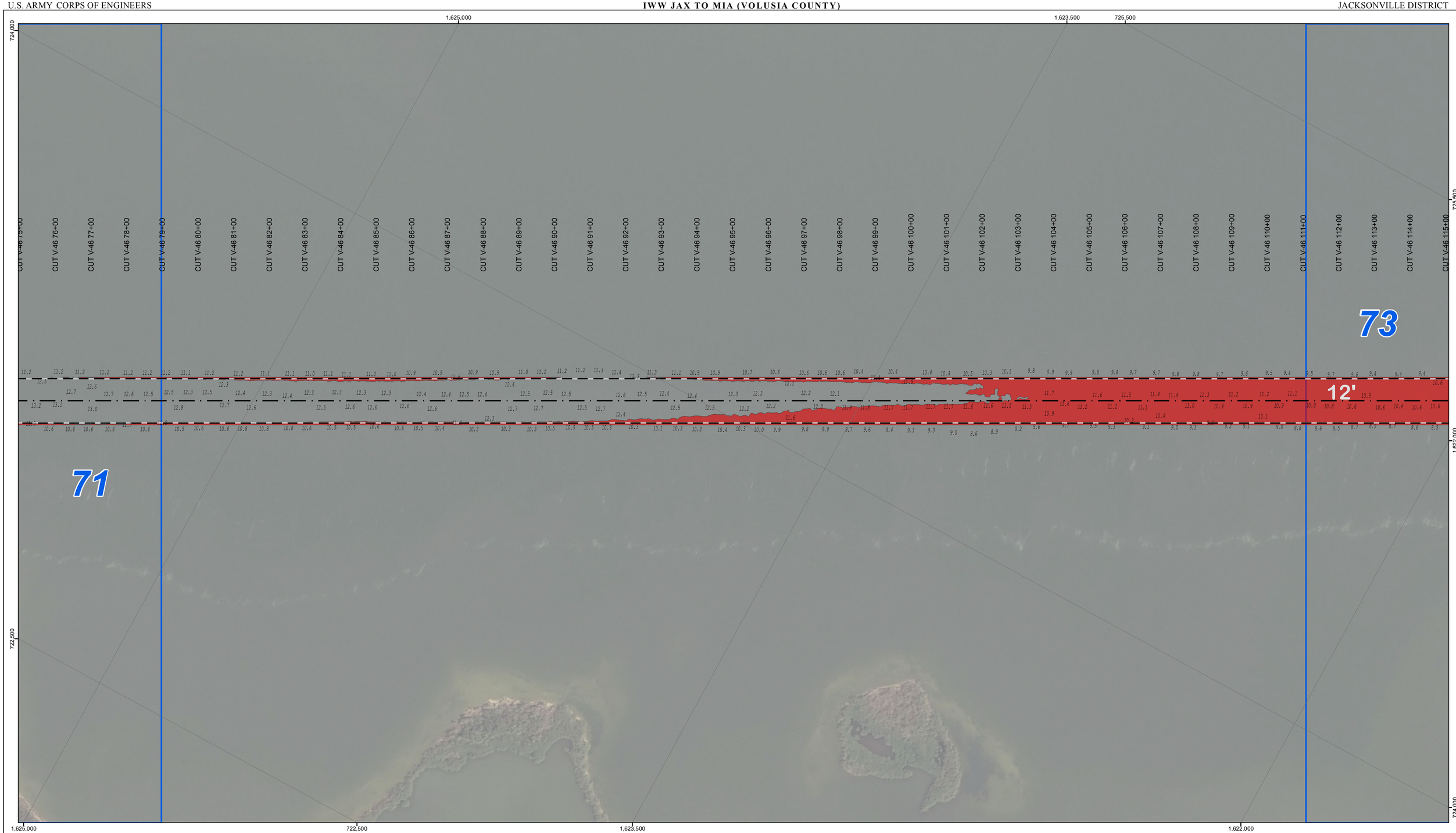
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
71 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 72 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

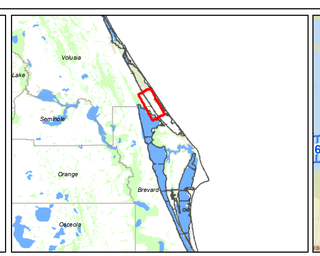
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

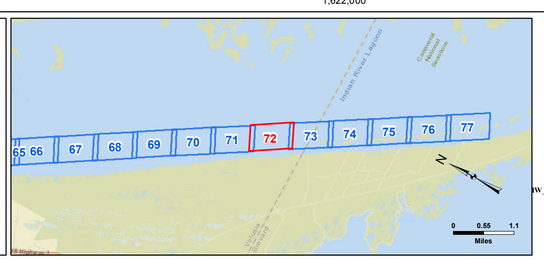
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





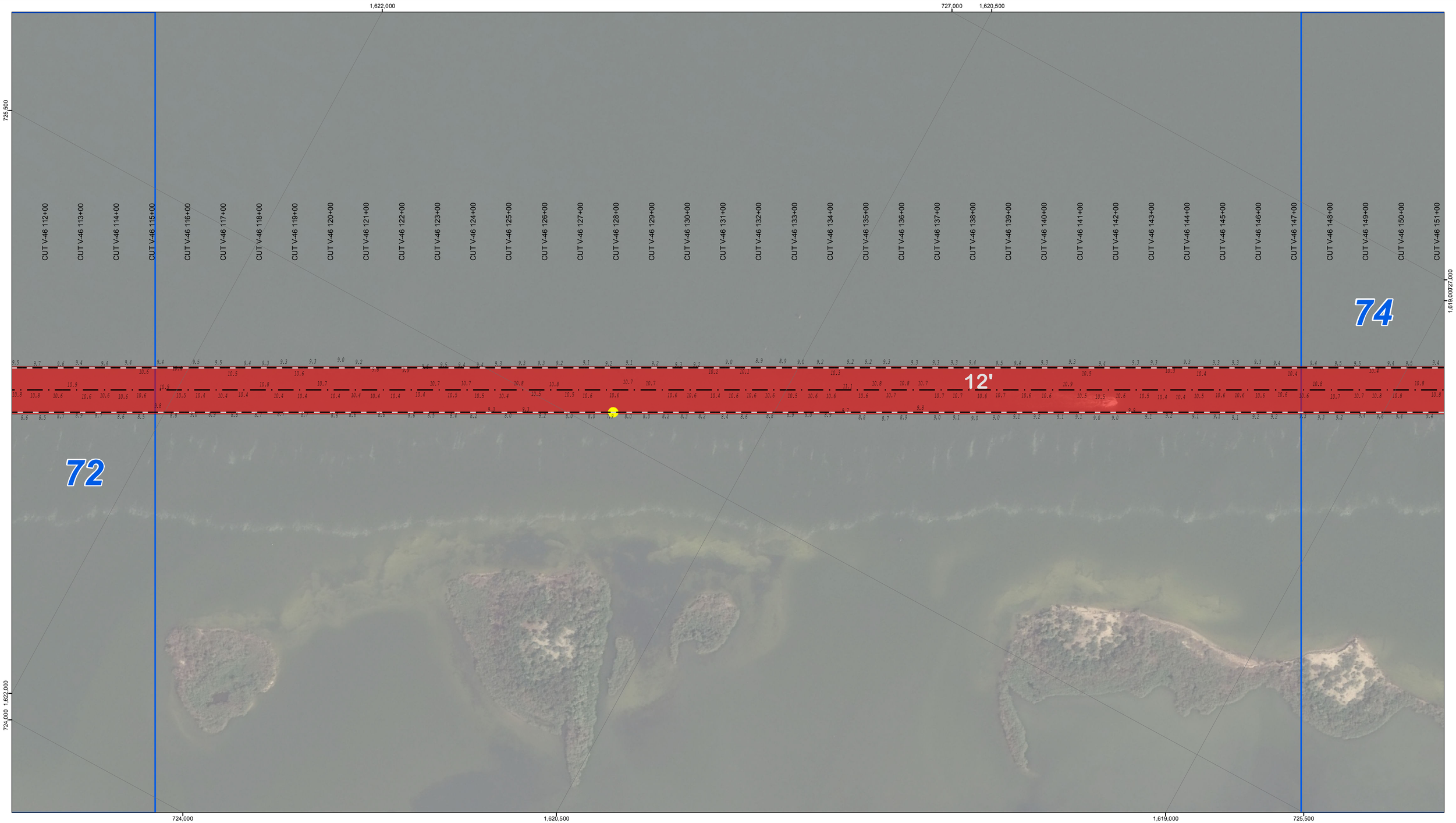
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
72 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 73 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Rohar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

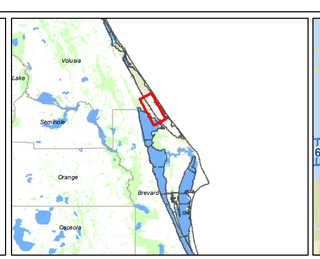
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

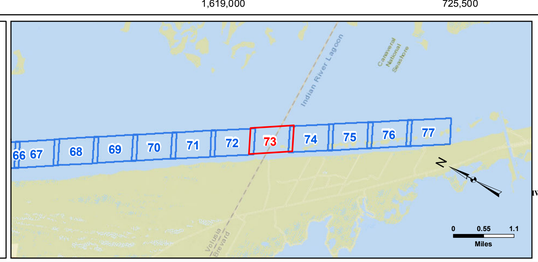
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER

73 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF

Date Saved:3/24/2022

Revison Number: 4.2-20200420

This survey mapbook supersedes all previous versions.



Sheet Reference Number 74 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

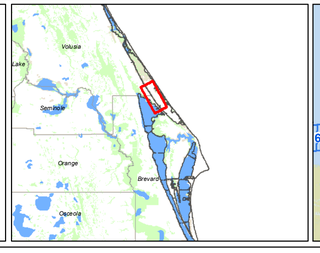
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

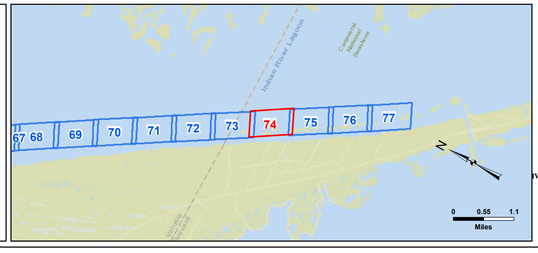
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
74 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.

1,616,000 730,000 1,614,500

CUT V-46 184+00 CUT V-46 185+00 CUT V-46 186+00 CUT V-46 187+00 CUT V-46 188+00 CUT V-46 189+00 CUT V-46 190+00 CUT V-46 191+00 CUT V-46 192+00 CUT V-46 193+00 CUT V-46 194+00 CUT V-46 195+00 CUT V-46 196+00 CUT V-46 197+00 CUT V-46 198+00 CUT V-46 199+00 CUT V-46 200+00 CUT V-46 201+00 CUT V-46 202+00 CUT V-46 203+00 CUT V-46 204+00 CUT V-46 205+00 CUT V-46 206+00 CUT V-46 207+00 CUT V-46 208+00 CUT V-46 209+00 CUT V-46 210+00 CUT V-46 211+00 CUT V-46 212+00 CUT V-46 213+00 CUT V-46 214+00 CUT V-46 215+00 CUT V-46 216+00 CUT V-46 217+00 CUT V-46 218+00 CUT V-46 219+00 CUT V-46 220+00 CUT V-46 221+00 CUT V-46 222+00 CUT V-46 223+00

728,500 1,616,000 1,613,000 730,000

76

12'

1,614,500 728,500 1,613,000

Sheet Reference Number 75 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

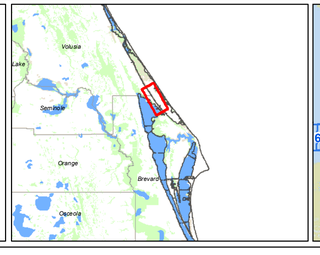
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

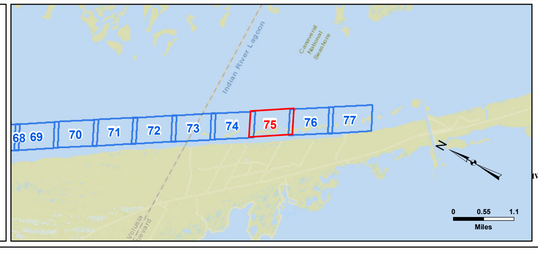
Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

N W E S

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

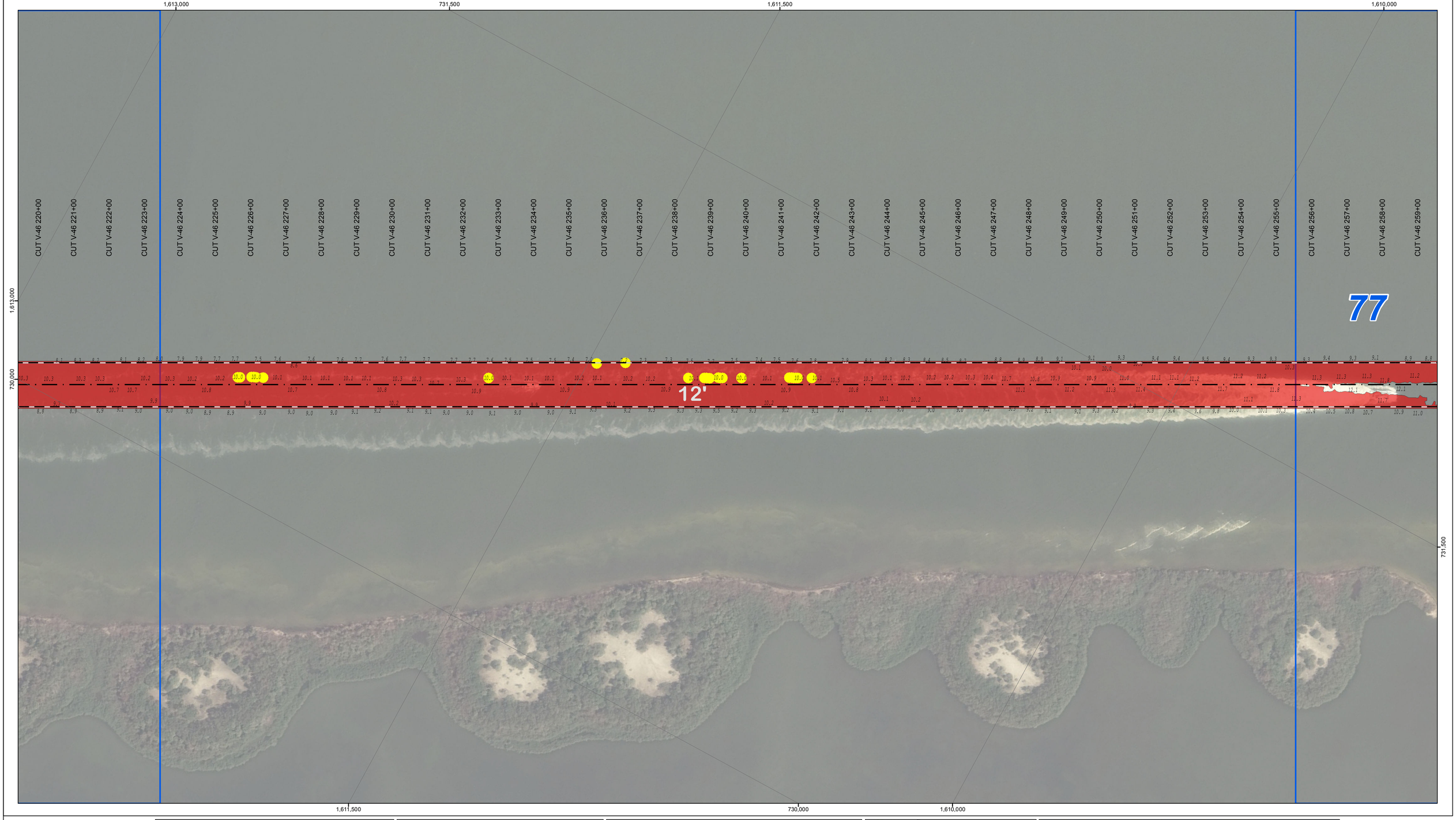
Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER

75 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Robar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

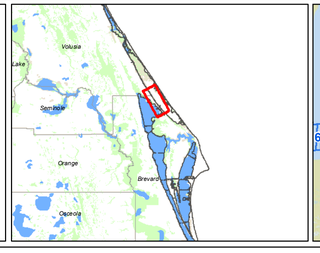
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

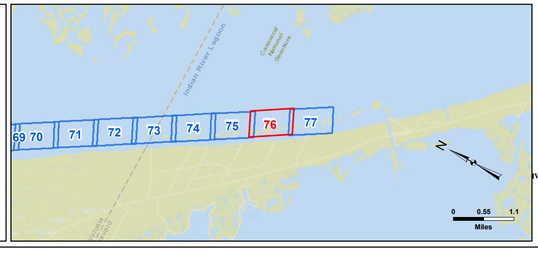
Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

N W E S

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





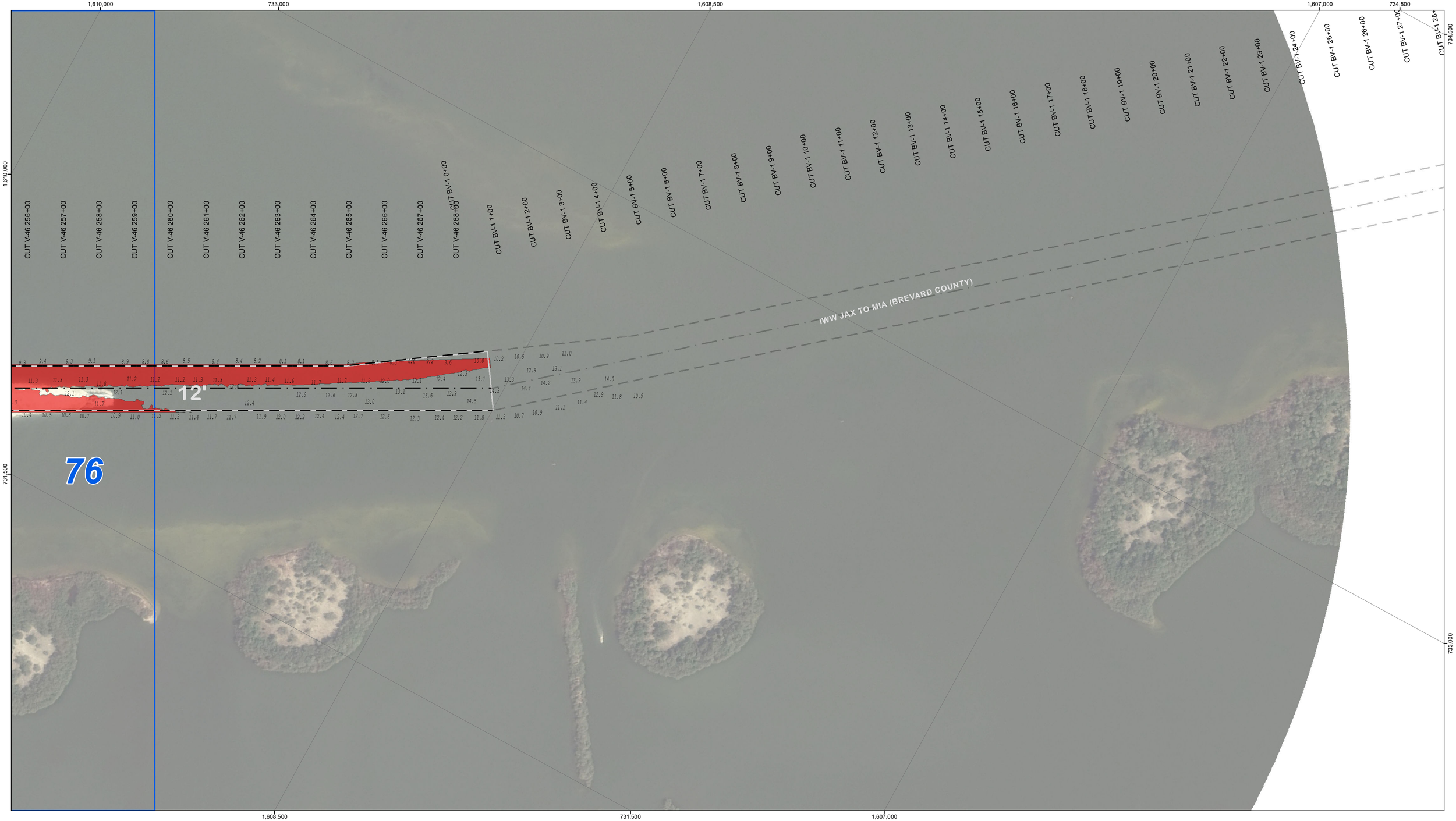
Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
76 of 77

Document Name:
IW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.



Sheet Reference Number 77 of 77

IWW JAX TO MIA (VOLUSIA COUNTY)

US Army Corps of Engineers
District: CESAJ

Brian Brodehl
Chief, Surveying and Mapping Branch
(OD-H)

David Rohar
Chief, Geomatics Engineering Section
(EN-DG)

GIS Contact:
Brian T. Price
Cartographer
Geomatics Engineering Section (EN-DG)

Legend

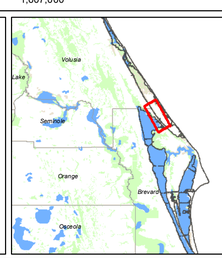
- Centerline
- ToeLine
- Current Page
- Joining Page
- EX:42.1 Sounding Points
- Shoalest Sounding
- Shoaling Areas
- Depth Line

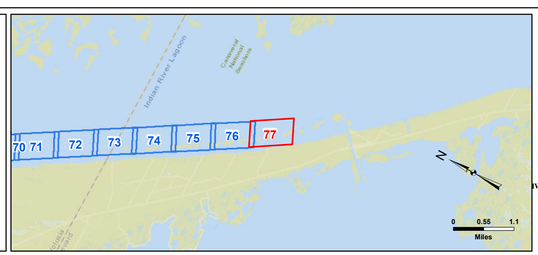
DISCLAIMER
Access Constraints: The United States Government furnishes these data and the recipient accepts and uses them with the express understanding that the US Government makes no warranties, expressed, or implied concerning the accuracy, completeness, readability, usability or suitability for any 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 provided data. The recipient may 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 activity and indicates the general existing conditions. As such, it is only valid for its intended use, content, time and accuracy specifications. The user is responsible for the results of any of the application of the data for other than its intended purpose.

Vicinity Map Service Layer Credits:
Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Feet
0 140 280 420 560
Meters
0 40 80 120 160

Coordinate System: NAD 1983 StatePlane Florida East FIPS 0901 Feet
Projection: Transverse Mercator





Hydrographic Survey

Survey Number: 2021-223
Survey Type: Examination
Survey Date: 02 March 2022

SHEET REFERENCE NUMBER
77 of 77

Document Name:
IWW_04_VOL_20220302_CS_2021_223_FULL_SURVEY_MAP_HF
Date Saved:3/24/2022

Revison Number: 4.2-20200420
This survey mapbook supersedes all previous versions.