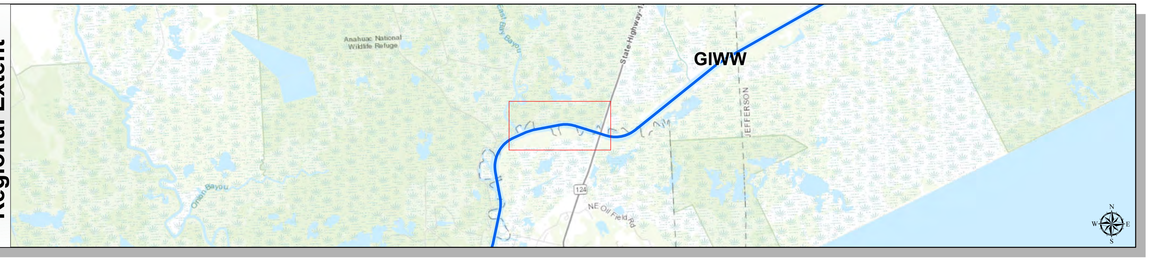
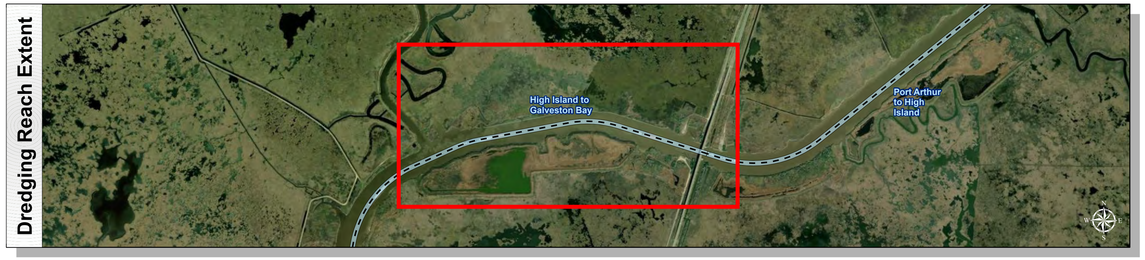
Gulf Intracoastal Waterway: High Island to Galveston Bay

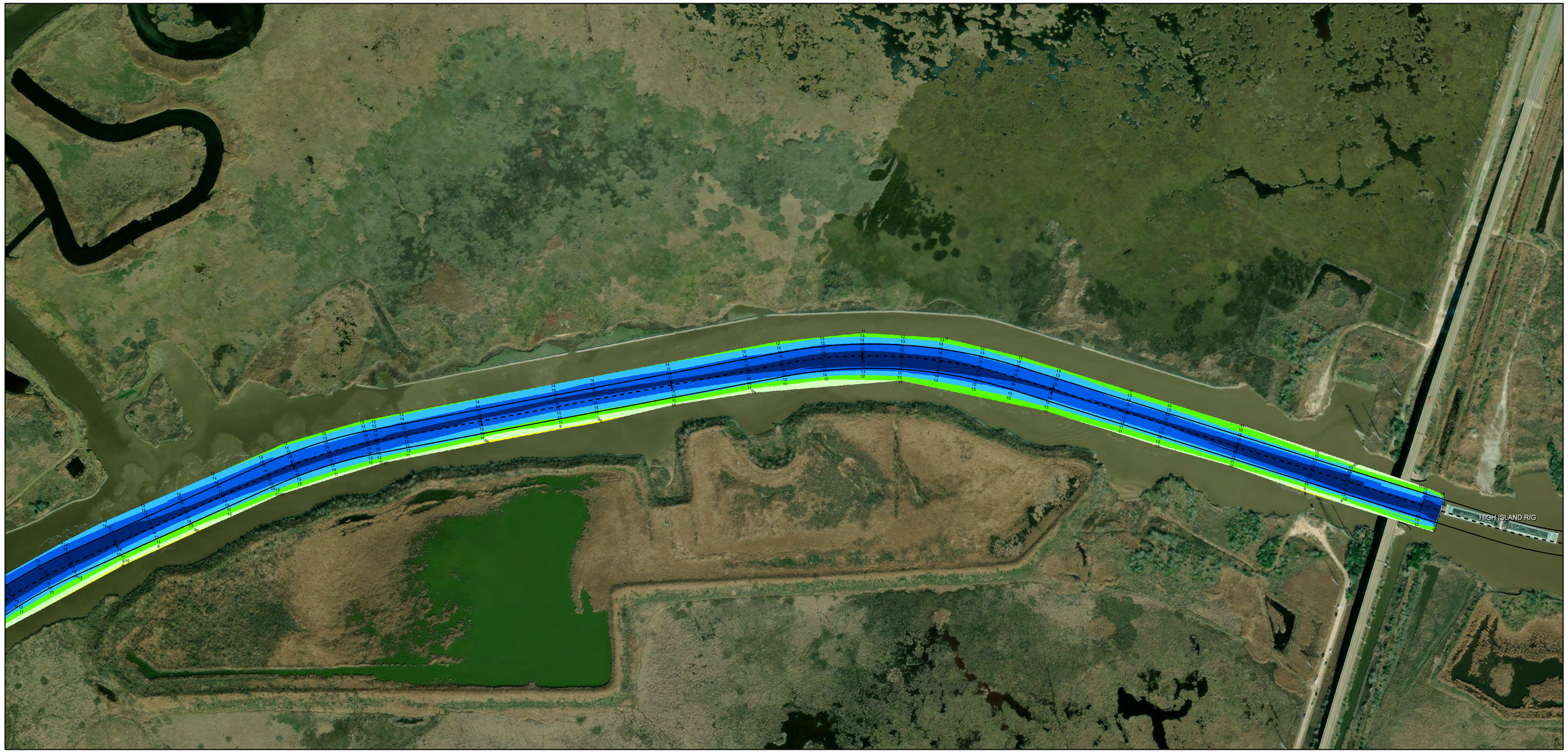
Regional Extent



Dredging Reach Extent



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date:	19 December 2023
Document Page:	1 of 23
Website Index Number:	23
Scale:	1:3,000
Mapped by:	M3AOXPAC
Additional Imagery info:	
Authorized Depth:	-13ft.
Side Slope Ratio:	(Rise : Run)
PDF Print Date:	1/19/2024

N
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HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 162+000 to 320+000
GIWW
High Island to Galveston Bay

Channel Features
- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation
- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - -3	3 - -5	5 - -7	7 - -9	9 - -11	11 - -13	13 - -15	15 - -17	< -17

NOTES:
1. Horizontal coordinates are referenced to texas state plane coordinate system, south central zone nad83 us survey feet.
2. Elevations are referenced to mean lower low tide (MLLW) datum.
3. This project was designed by the galveston district of the u.s. army corps of engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by er1110-1-8152.
4. The information depicted on this survey map represents the results of surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time. These conditions are subject to rapid change due to shoaling events. A prudent mariner should not rely exclusively on the information provided here. Required by 33 cfr 209.325
5. For the most up to date information please check our website at: http://www.swg.usace.army.mil/Missions/Navigation/HydrographicSurveys/

Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
Combinded survey dates 20231212_PR_162P000_212P000; 20231213_PR_212P000_286P000; 20231219_CS_286P000_320P000

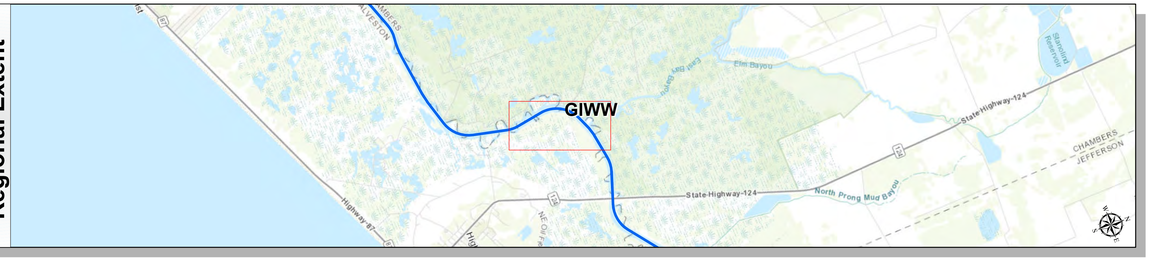
Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent
0 0.3 0.6 1.2 Miles

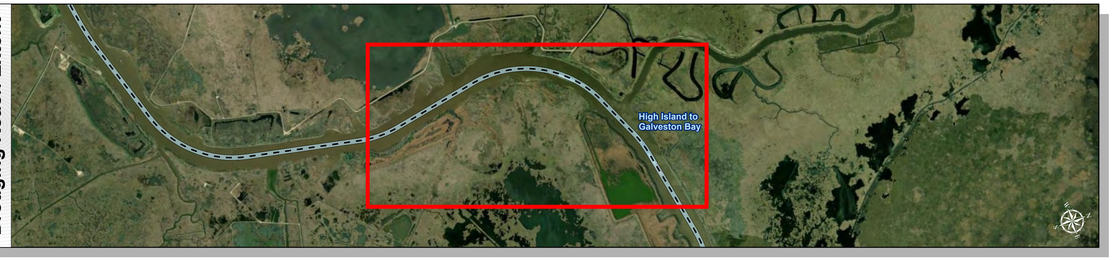
Hydrographic Survey Extent
0 255 510 1,020 Feet

Gulf Intracoastal Waterway: High Island to Galveston Bay

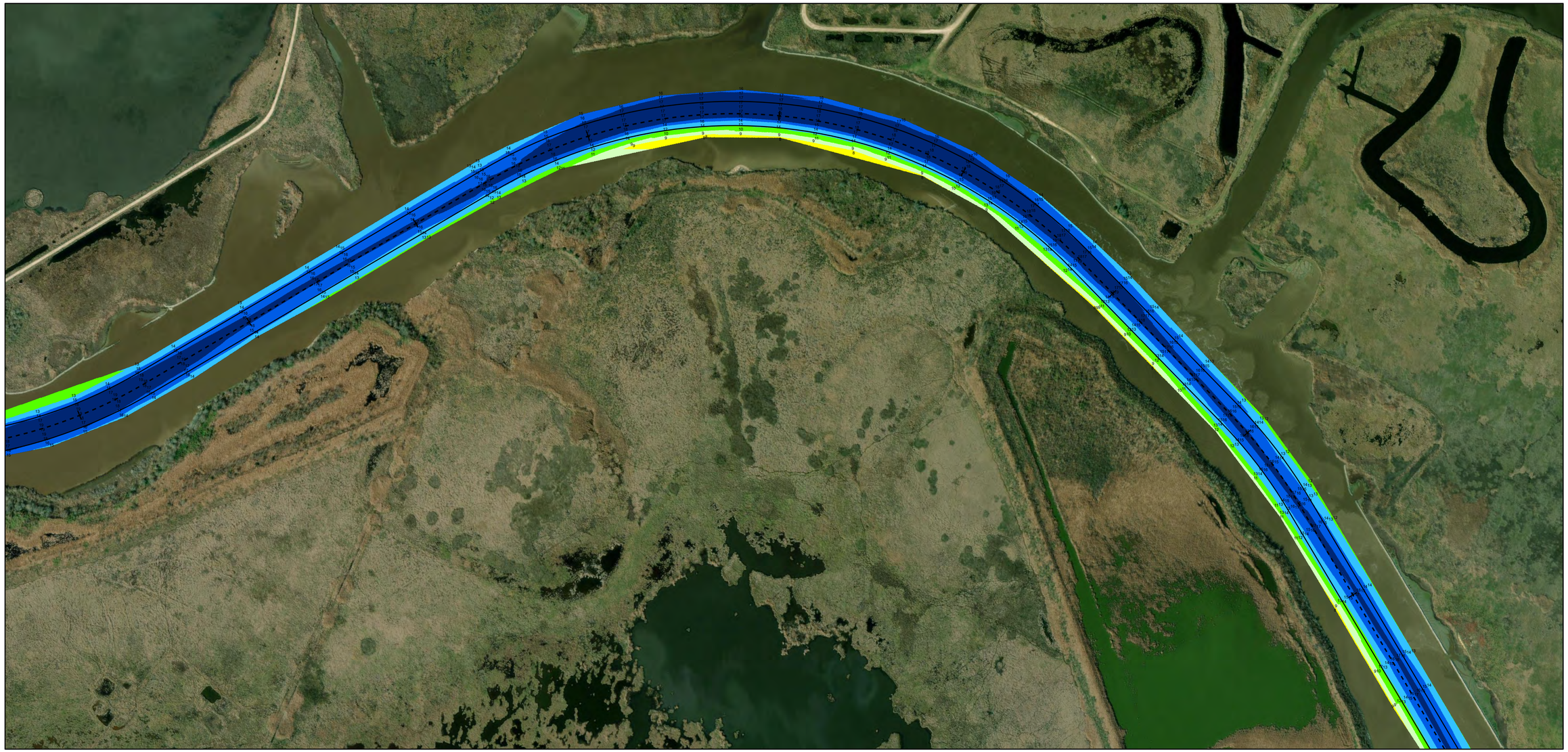
Regional Extent



Dredging Reach Extent



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date:	19 December 2023
Document Page: 2 of 23	Website Index Number: 24
Scale: 1:3,000	
Mapped by: M3AOXPAC	
Additional Imagery info:	
Authorized Depth: -13ft.	
Side Slope Ratio: (Rise : Run)	
PDF Print Date: 1/19/2024	

Channel Features
- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation
- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - -3	3 - -5	5 - -7	7 - -9	9 - -11	11 - -13	13 - -15	15 - -17	< -17

NOTES:
1. Horizontal coordinates are referenced to texas state plane coordinate system, south central zone nad83 us survey feet.
2. Elevations are referenced to mean lower low tide (MLLW) datum.
3. This project was designed by the galveston district of the u.s. army corps of engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by er1110-1-8152.
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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
Combinded survey dates 20231212_PR_162P000_212P000; 20231213_PR_212P000_286P000; 20231219_CS_286P000_320P000

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent
0 0.3 0.6 1.2 Miles

Hydrographic Survey Extent
0 255 510 1,020 Feet

HYDROGRAPHIC SURVEY

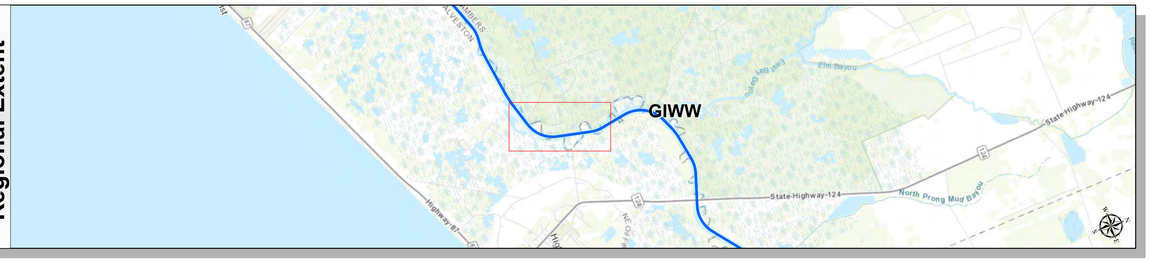
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 162+000 to 320+000
GIWW
High Island to Galveston Bay

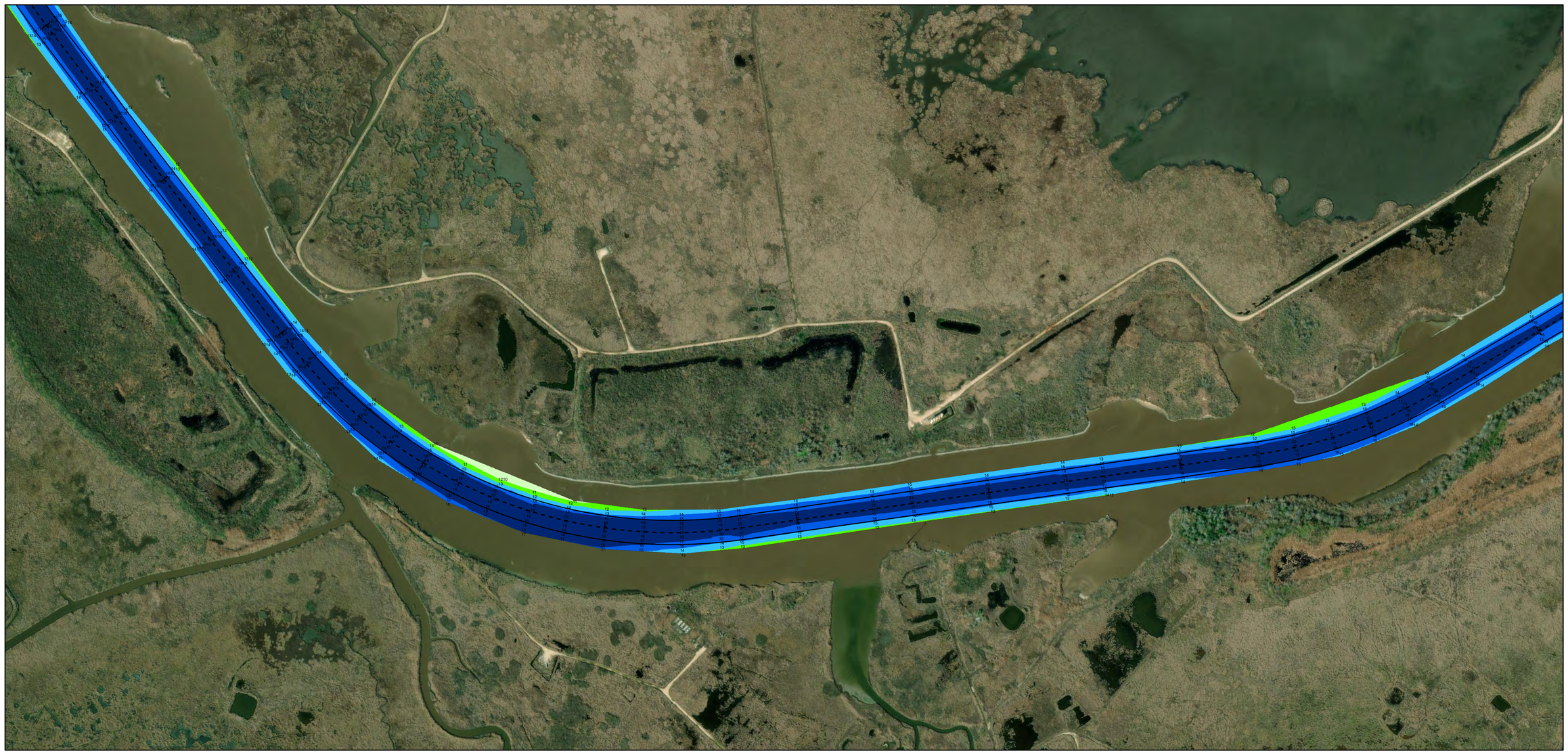
Gulf Intracoastal Waterway: High Island to Galveston Bay

U.S. Army Corps of Engineers
Galveston District

Regional Extent



Dredging Reach Extent



Latest Survey Collection Date:	19 December 2023
Document Page: 3 of 23	Website Index Number: 25
Scale: 1:3,000	
Mapped by: M3AOXPAC	
Additional Imagery info:	
	Authorized Depth: -13ft.
	Side Slope Ratio: (Rise : Run)
	PDF Print Date: 1/19/2024

N W E S

HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 162+000 to 320+000
GIWW
High Island to Galveston Bay

Channel Features
- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation
- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 3	3 - 5	5 - 7	7 - 9	9 - 11	11 - 13	13 - 15	15 - 17	< 17

NOTES:
1. Horizontal coordinates are referenced to texas state plane coordinate system, south central zone nad83 us survey feet.
2. Elevations are referenced to mean lower low tide (MLLW) datum.
3. This project was designed by the galveston district of the u.s. army corps of engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by er1110-1-8152.
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World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
Combinded survey dates 20231212_PR_162P000_212P000; 20231213_PR_212P000_286P000; 20231219_CS_286P000_320P000

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic

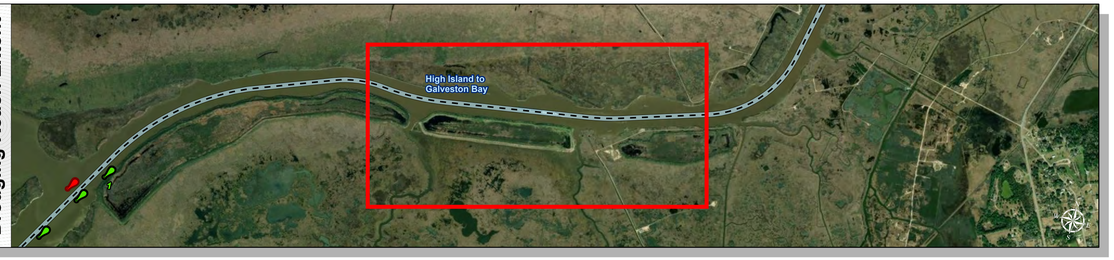
Dredging Reach Extent
0 0.3 0.6 1.2 Miles

Hydrographic Survey Extent
0 255 510 1,020 Feet

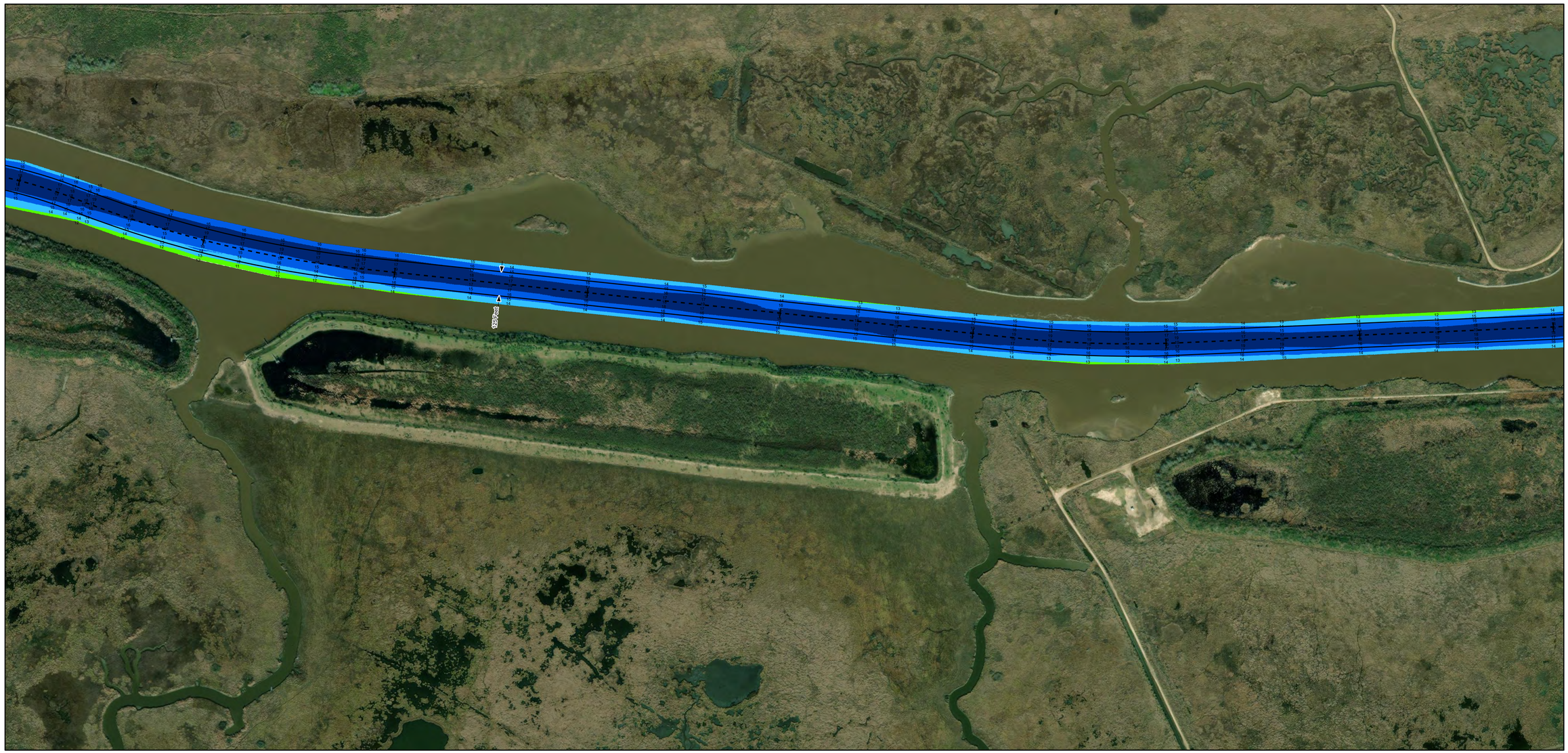
Gulf Intracoastal Waterway: High Island to Galveston Bay

Regional Extent

Dredging Reach Extent



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date:	19 December 2023
Document Page: 4 of 23	Website Index Number: 26
Scale: 1:3,000	
Mapped by: M3AOXPAC	
Additional Imagery info:	
Authorized Depth: -13ft.	
Side Slope Ratio: (Rise : Run)	
PDF Print Date: 1/19/2024	

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Channel Features
- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation
- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 3	3 - 5	5 - 7	7 - 9	9 - 11	11 - 13	13 - 15	15 - 17	< 17

NOTES:
1. Horizontal coordinates are referenced to texas state plane coordinate system, south central zone nad83 us survey feet.
2. Elevations are referenced to mean lower low tide (MLLW) datum.
3. This project was designed by the galveston district of the u.s. army corps of engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by er1110-1-8152.
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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
Combinded survey dates 20231212_PR_162P000_212P000; 20231213_PR_212P000_286P000; 20231219_CS_286P000_320P000

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent
0 0.3 0.6 1.2 Miles

Hydrographic Survey Extent
0 255 510 1,020 Feet

HYDROGRAPHIC SURVEY

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

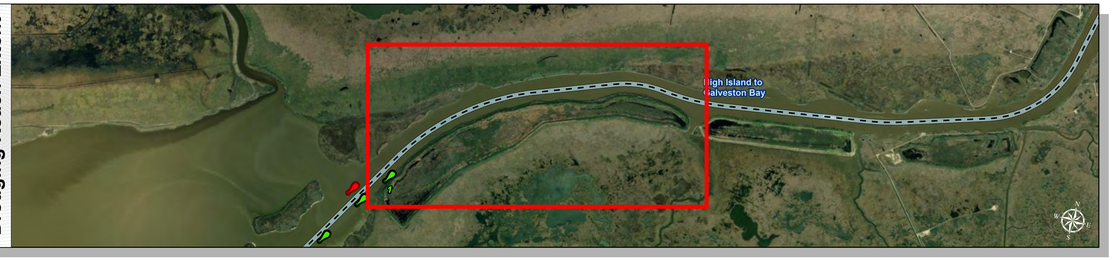
Station: 162+000 to 320+000
GIWW
High Island to Galveston Bay

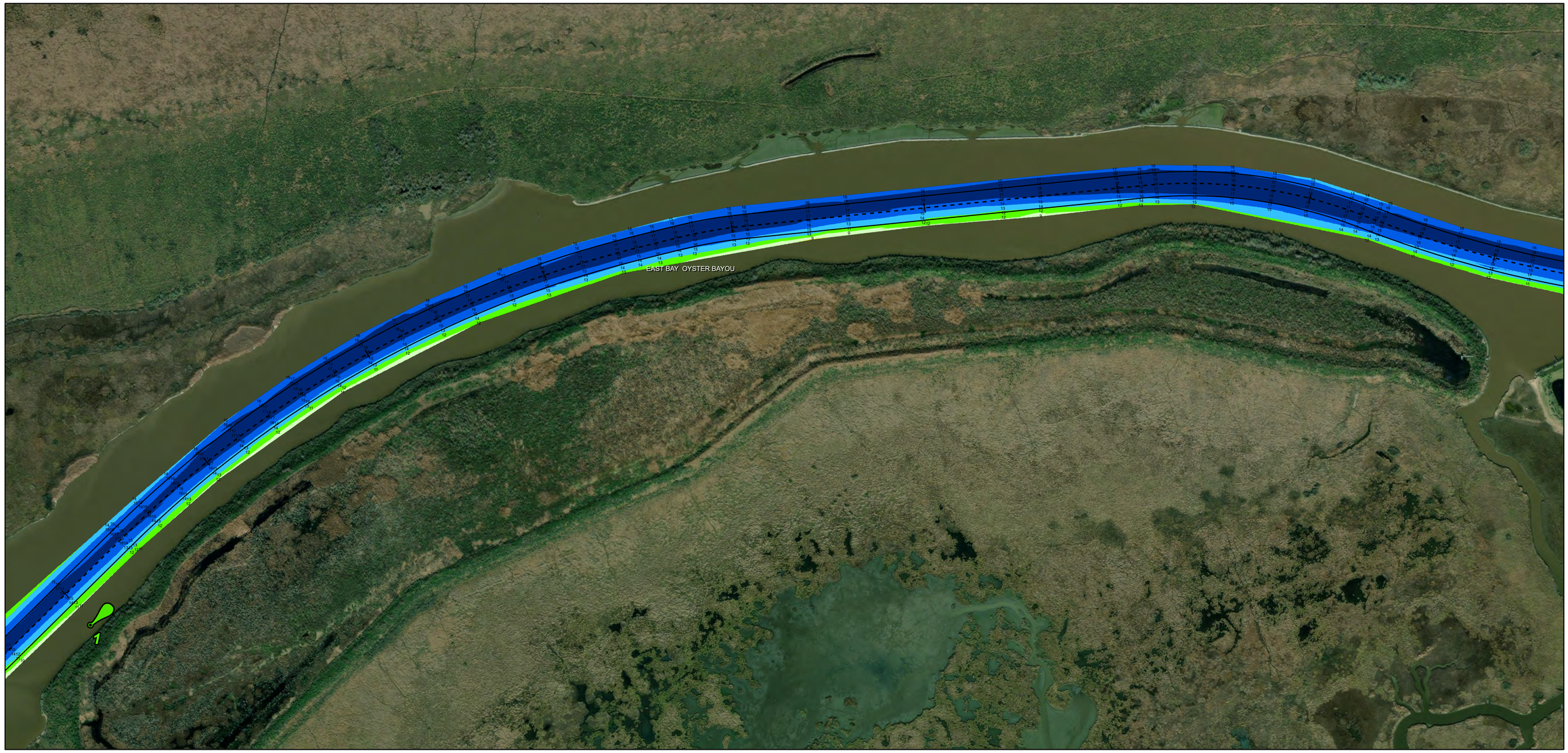
Gulf Intracoastal Waterway: High Island to Galveston Bay

U.S. Army Corps of Engineers
Galveston District

Regional Extent

Dredging Reach Extent





Latest Survey Collection Date: 19 December 2023
Document Page: 5 of 23
Scale: 1:3,000
Mapped by: M3AOXPAC
Additional Imagery info:

Authorized Depth: -13ft.
Side Slope Ratio: (Rise : Run)
Website Index Number: 27
PDF Print Date: 1/19/2024

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HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 162+000 to 320+000
GIWW
High Island to Galveston Bay

Channel Features
- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation
- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - -3	3 - -5	5 - -7	7 - -9	9 - -11	11 - -13	13 - -15	15 - -17	< -17

NOTES:
1. Horizontal coordinates are referenced to texas state plane coordinate system, south central zone nad83 us survey feet.
2. Elevations are referenced to mean lower low tide (MLLW) datum.
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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
Combinded survey dates 20231212_PR_162P000_212P000; 20231213_PR_212P000_286P000; 20231219_CS_286P000_320P000

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic

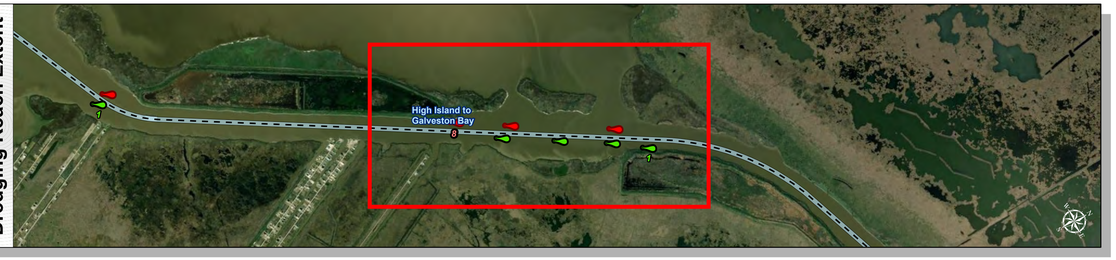
Dredging Reach Extent
0 0.3 0.6 1.2 Miles

Hydrographic Survey Extent
0 255 510 1,020 Feet

Gulf Intracoastal Waterway: High Island to Galveston Bay

Regional Extent

Dredging Reach Extent



U.S. Army Corps of Engineers
Galveston District

Latest Survey Collection Date: 19 December 2023
Document Page: 6 of 23
Website Index Number: 28
Scale: 1:3,000
Mapped by: M3AOXPAC
Additional Imagery info:
Authorized Depth: -13ft.
Side Slope Ratio: (Rise : Run)
PDF Print Date: 1/19/2024

Channel Features
- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation
- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - -3	3 - -5	5 - -7	7 - -9	9 - -11	11 - -13	13 - -15	15 - -17	< -17

NOTES:
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World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
Combinded survey dates 20231212_PR_162P000_212P000; 20231213_PR_212P000_286P000; 20231219_CS_286P000_320P000

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent
0 0.3 0.6 1.2 Miles

Hydrographic Survey Extent
0 255 510 1,020 Feet

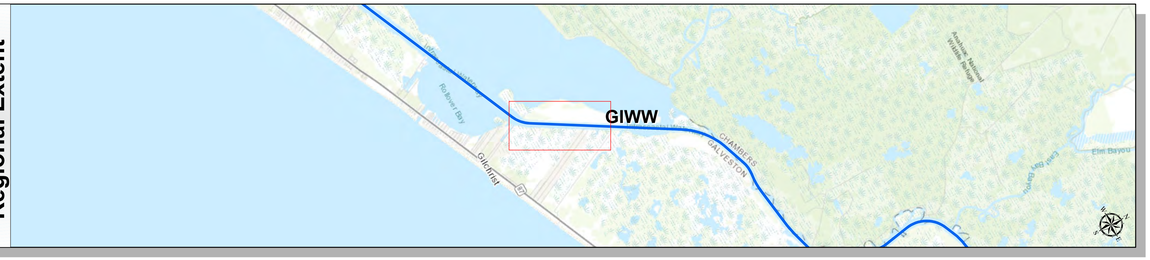
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 162+000 to 320+000
GIWW
High Island to Galveston Bay

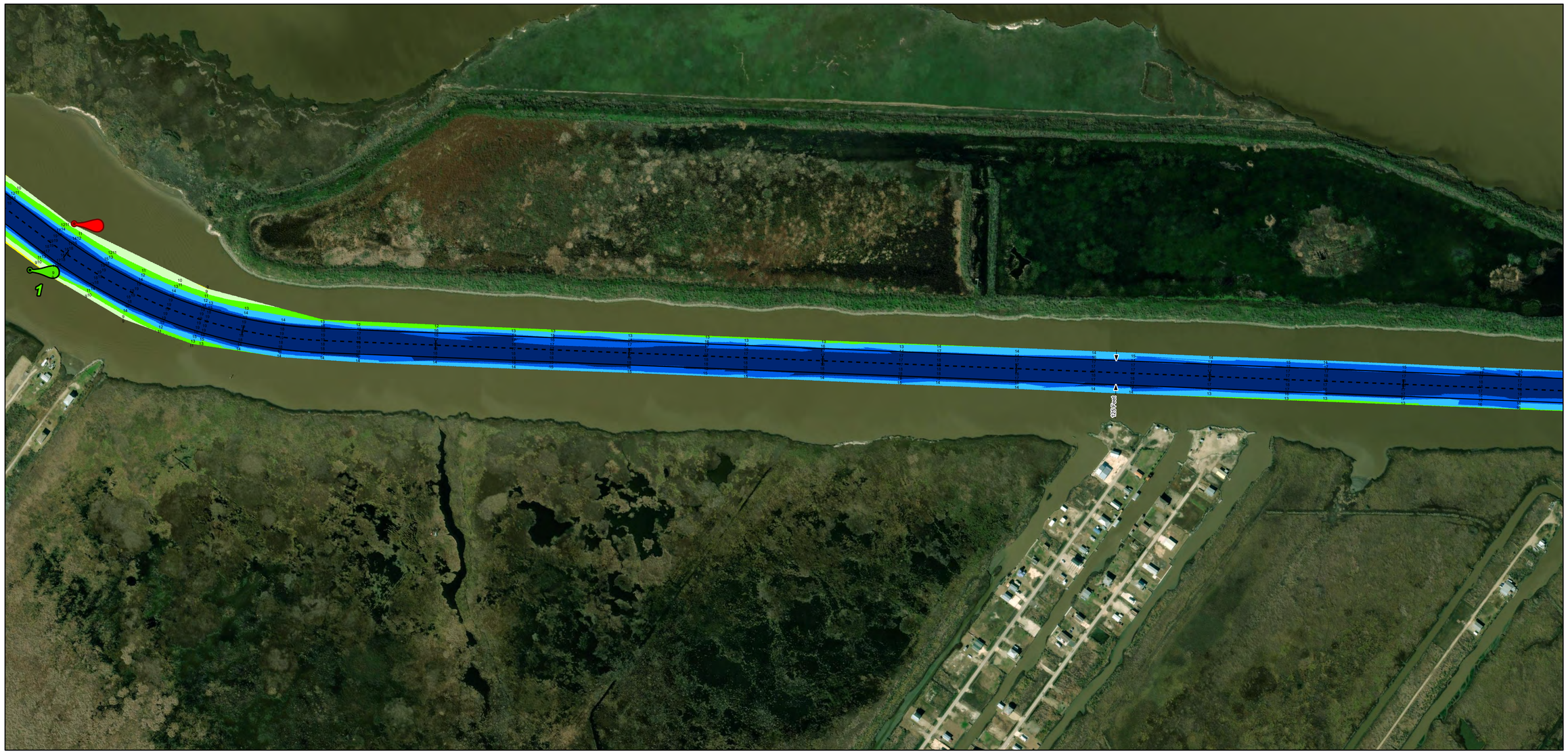
Gulf Intracoastal Waterway: High Island to Galveston Bay

U.S. Army Corps of Engineers
Galveston District

Regional Extent



Dredging Reach Extent



Latest Survey Collection Date:	19 December 2023
Document Page: 7 of 23	Website Index Number: 29
Scale: 1:3,000	
Mapped by: M3AOXPAC	
Additional Imagery info:	
Authorized Depth: -13ft.	
Side Slope Ratio: (Rise : Run)	
PDF Print Date: 1/19/2024	

Channel Features
- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation
- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 3	3 - 5	5 - 7	7 - 9	9 - 11	11 - 13	13 - 15	15 - 17	< 17

NOTES:
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World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
Combinded survey dates 20231212_PR_162P000_212P000; 20231213_PR_212P000_286P000; 20231219_CS_286P000_320P000

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent
0 0.3 0.6 1.2 Miles

Hydrographic Survey Extent
0 255 510 1,020 Feet

HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

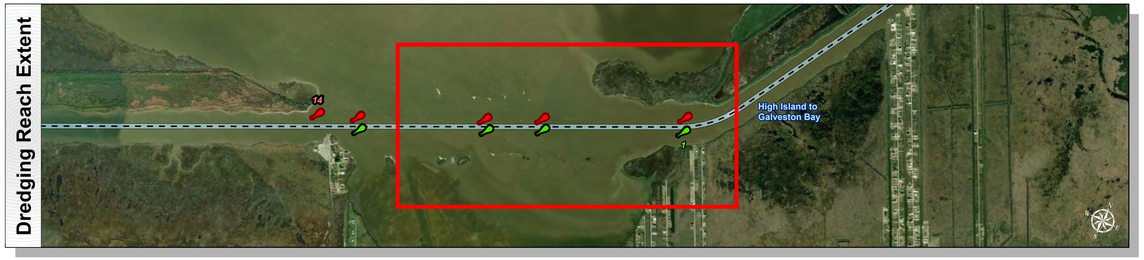
Station: 162+000 to 320+000
GIWW
High Island to Galveston Bay

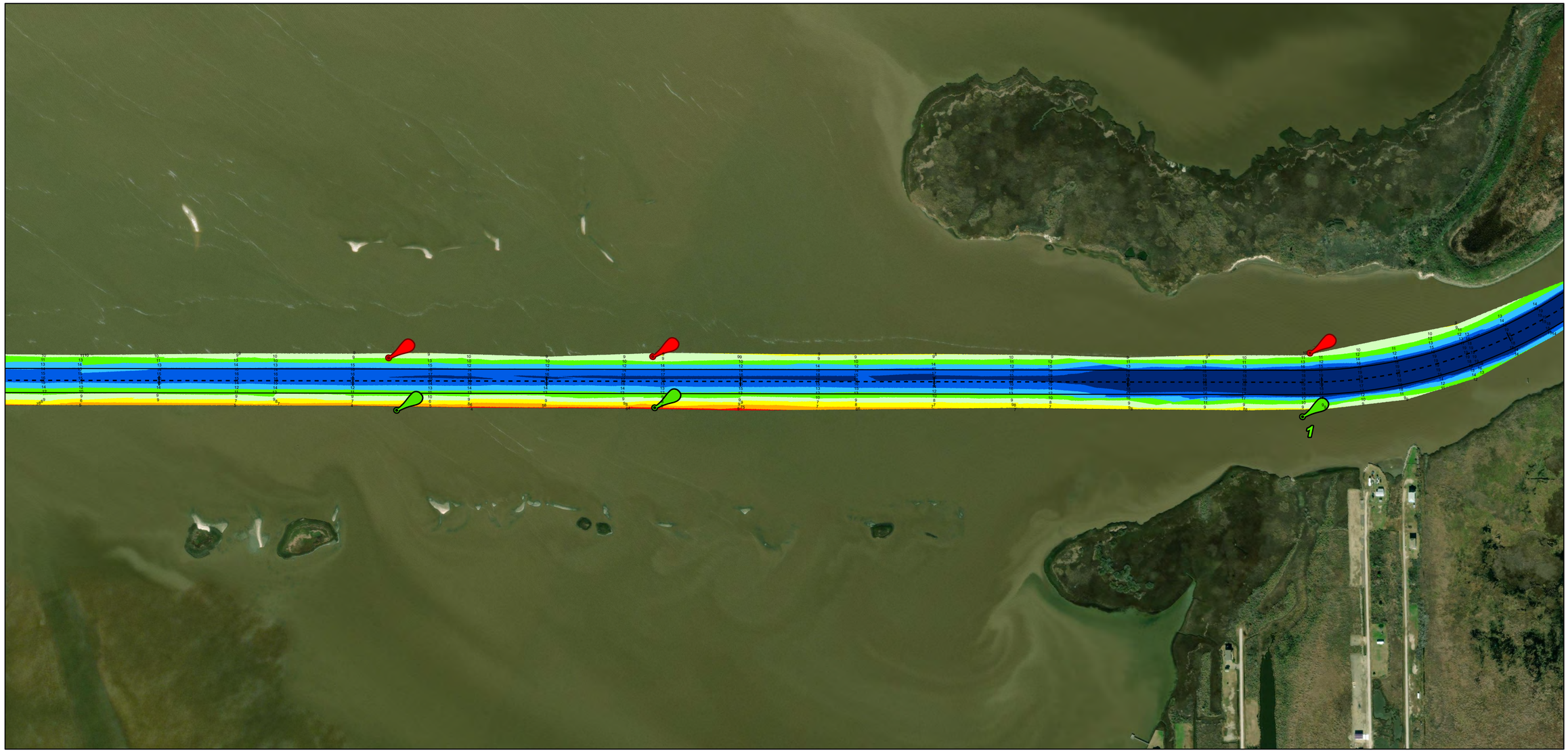
Gulf Intracoastal Waterway: High Island to Galveston Bay

U.S. Army Corps of Engineers
Galveston District

Regional Extent

Dredging Reach Extent





Latest Survey Collection Date:	19 December 2023
Authorized Depth:	-13ft.
Document Page:	8 of 23
Website Index Number:	30
Scale:	1:3,000
PDF Print Date:	1/19/2024
Mapped by:	M3AOXPAC
Additional Imagery info:	

Channel Features
- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation
- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 3	3 - 5	5 - 7	7 - 9	9 - 11	11 - 13	13 - 15	15 - 17	< 17

NOTES:
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World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
Combinded survey dates 20231212_PR_162P000_212P000; 20231213_PR_212P000_286P000; 20231219_CS_286P000_320P000

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent
0 0.3 0.6 1.2 Miles

Hydrographic Survey Extent
0 255 510 1,020 Feet

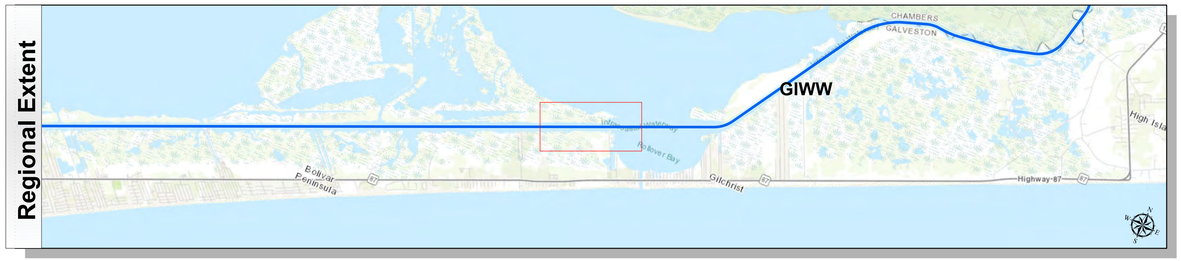
N W E S

HYDROGRAPHIC SURVEY

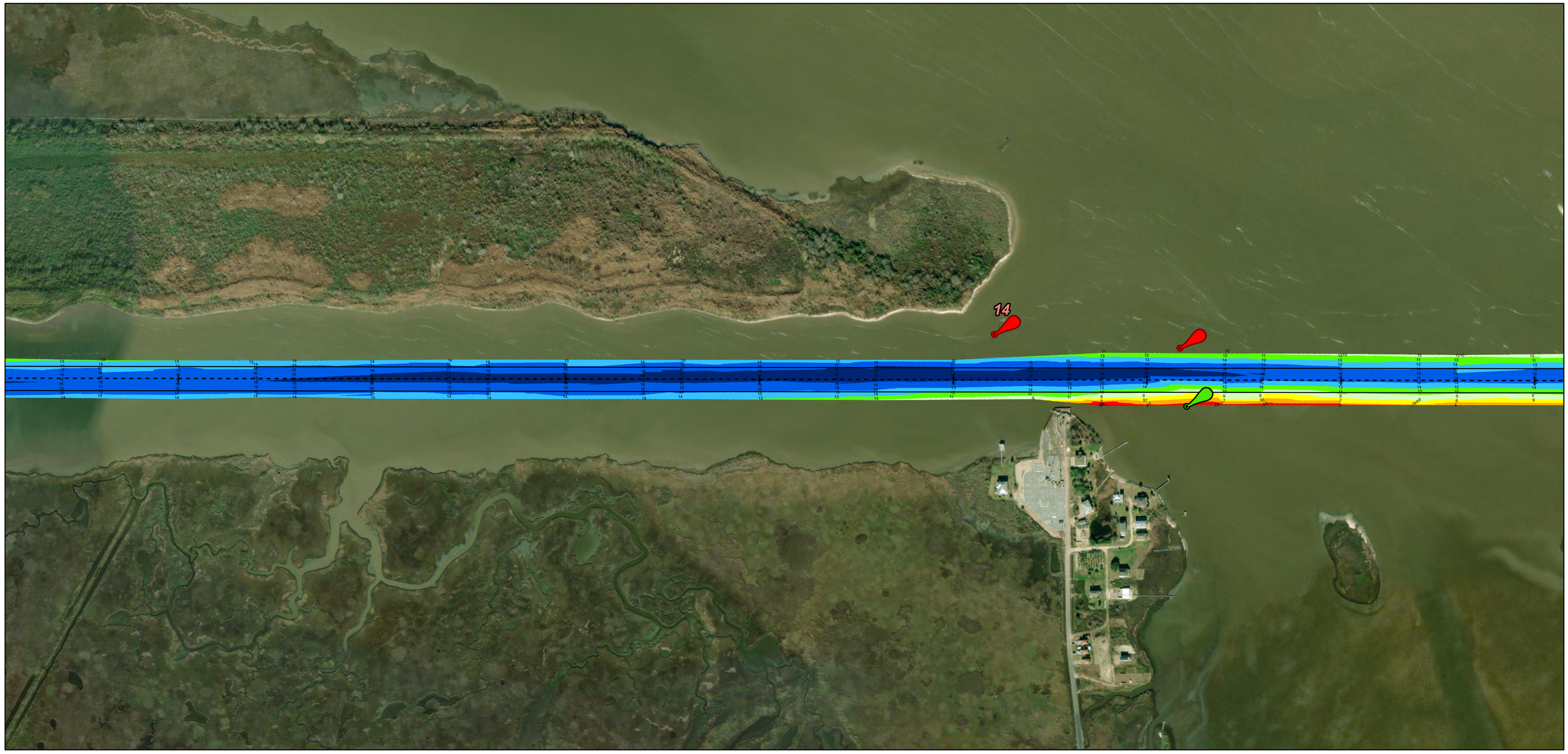
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 162+000 to 320+000
GIWW
High Island to Galveston Bay

Gulf Intracoastal Waterway: High Island to Galveston Bay



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 19 December 2023
Document Page: 9 of 23
Website Index Number: 31
Scale: 1:3,000
Mapped by: M3AOXPAC
Additional Imagery info:
Authorized Depth: -13ft.
Side Slope Ratio: (Rise : Run)
PDF Print Date: 1/19/2024

HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 162+000 to 320+000
GIWW
High Island to Galveston Bay

Channel Features
- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation
- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - -3	3 - -5	5 - -7	7 - -9	9 - -11	11 - -13	13 - -15	15 - -17	< -17

NOTES:
1. Horizontal coordinates are referenced to texas state plane coordinate system, south central zone nad83 us survey feet.
2. Elevations are referenced to mean lower low tide (MLLW) datum.
3. This project was designed by the galveston district of the u.s. army corps of engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by er1110-1-8152.
4. The information depicted on this survey map represents the results of surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time. These conditions are subject to rapid change due to shoaling events. A prudent mariner should not rely exclusively on the information provided here. Required by 33 cfr 209.325
5. For the most up to date information please check our website at: http://www.swg.usace.army.mil/Missions/Navigation/HydrographicSurveys/

Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
Combined survey dates 20231212_PR_162P000_212P000; 20231213_PR_212P000_286P000; 20231219_CS_286P000_320P000

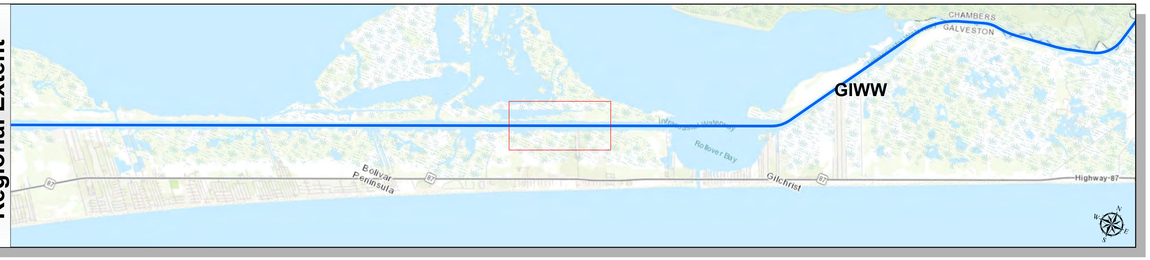
Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent
0 0.3 0.6 1.2 Miles

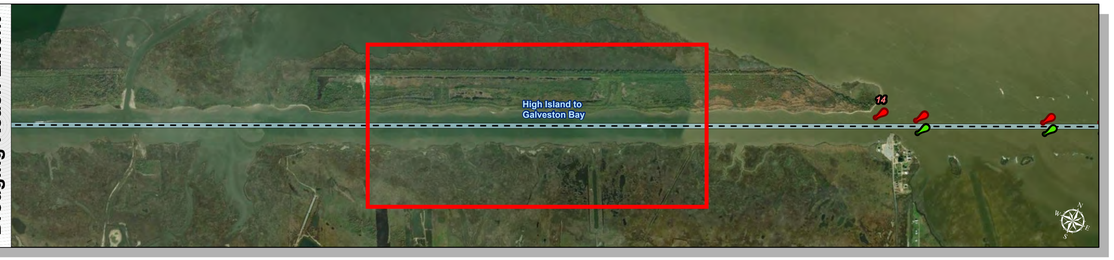
Hydrographic Survey Extent
0 255 510 1,020 Feet

Gulf Intracoastal Waterway: High Island to Galveston Bay

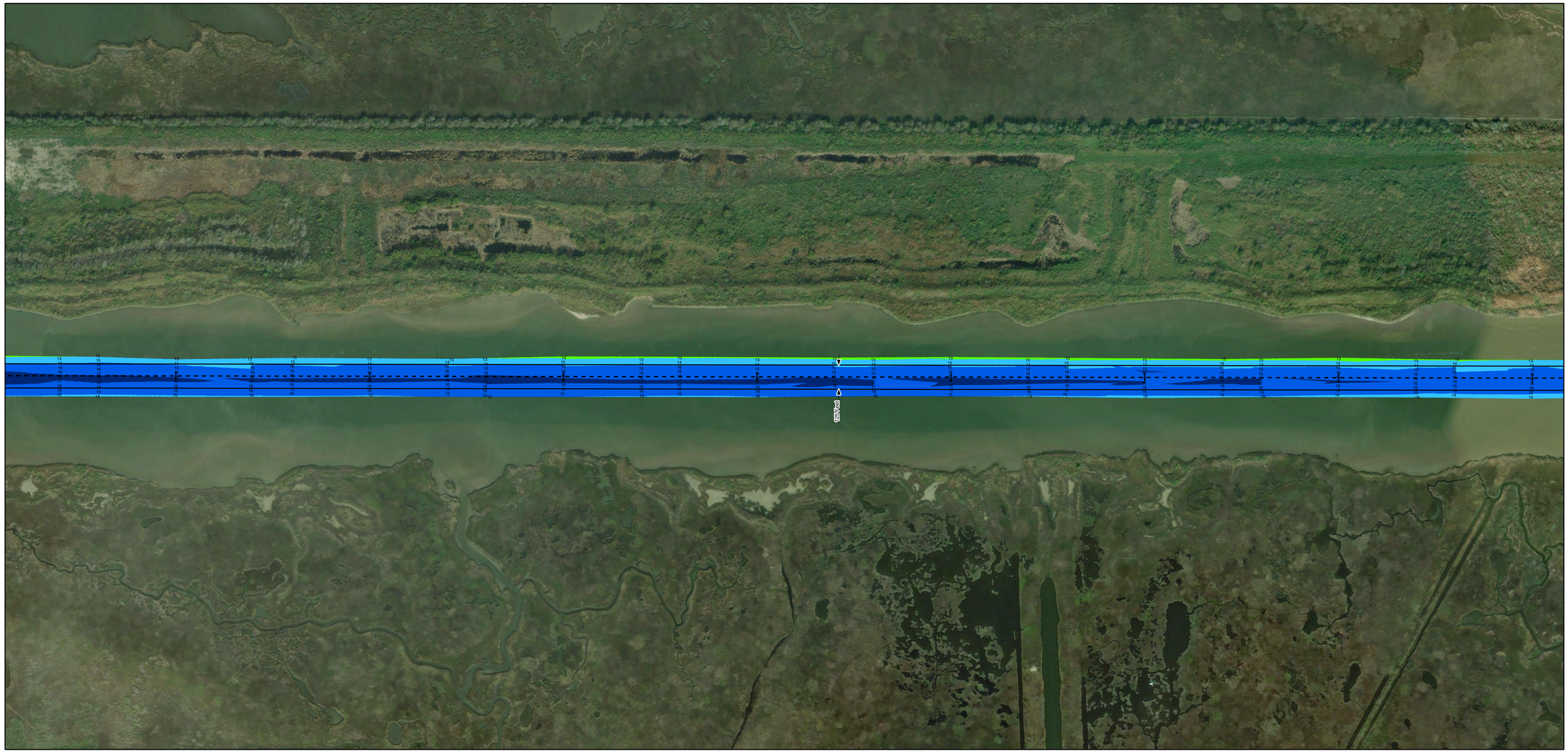
Regional Extent



Dredging Reach Extent



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date:	19 December 2023
Document Page:	10 of 23
Website Index Number:	32
Scale:	1:3,000
Mapped by:	M3AOXPAC
Additional Imagery info:	
Authorized Depth:	-13ft.
Side Slope Ratio:	(Rise : Run)
PDF Print Date:	1/19/2024

Channel Features
- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation
- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - -3	3 - -5	5 - -7	7 - -9	9 - -11	11 - -13	13 - -15	15 - -17	< -17

NOTES:
1. Horizontal coordinates are referenced to texas state plane coordinate system, south central zone nad83 us survey feet.
2. Elevations are referenced to mean lower low tide (MLLW) datum.
3. This project was designed by the galveston district of the u.s. army corps of engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by er1110-1-8152.
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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
Combinded survey dates 20231212_PR_162P000_212P000; 20231213_PR_212P000_286P000; 20231219_CS_286P000_320P000

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic

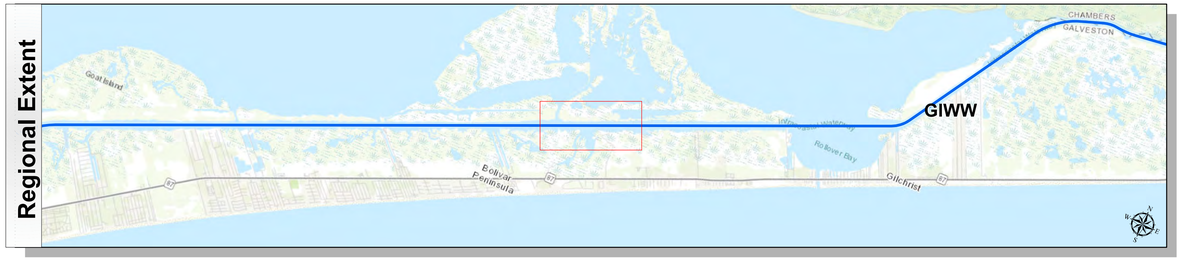
Dredging Reach Extent
0 0.3 0.6 1.2 Miles

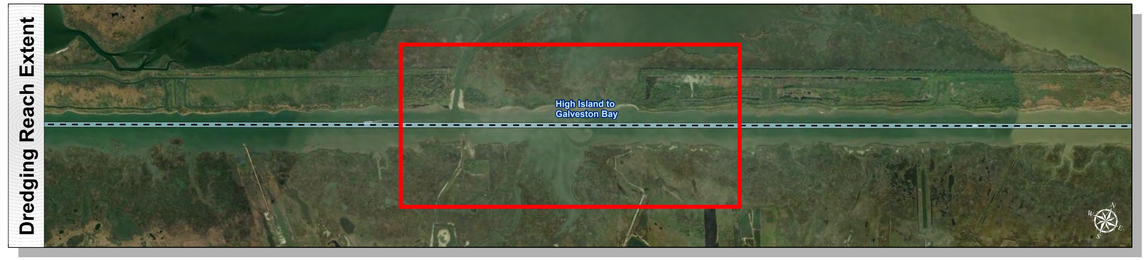
Hydrographic Survey Extent
0 255 510 1,020 Feet

HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

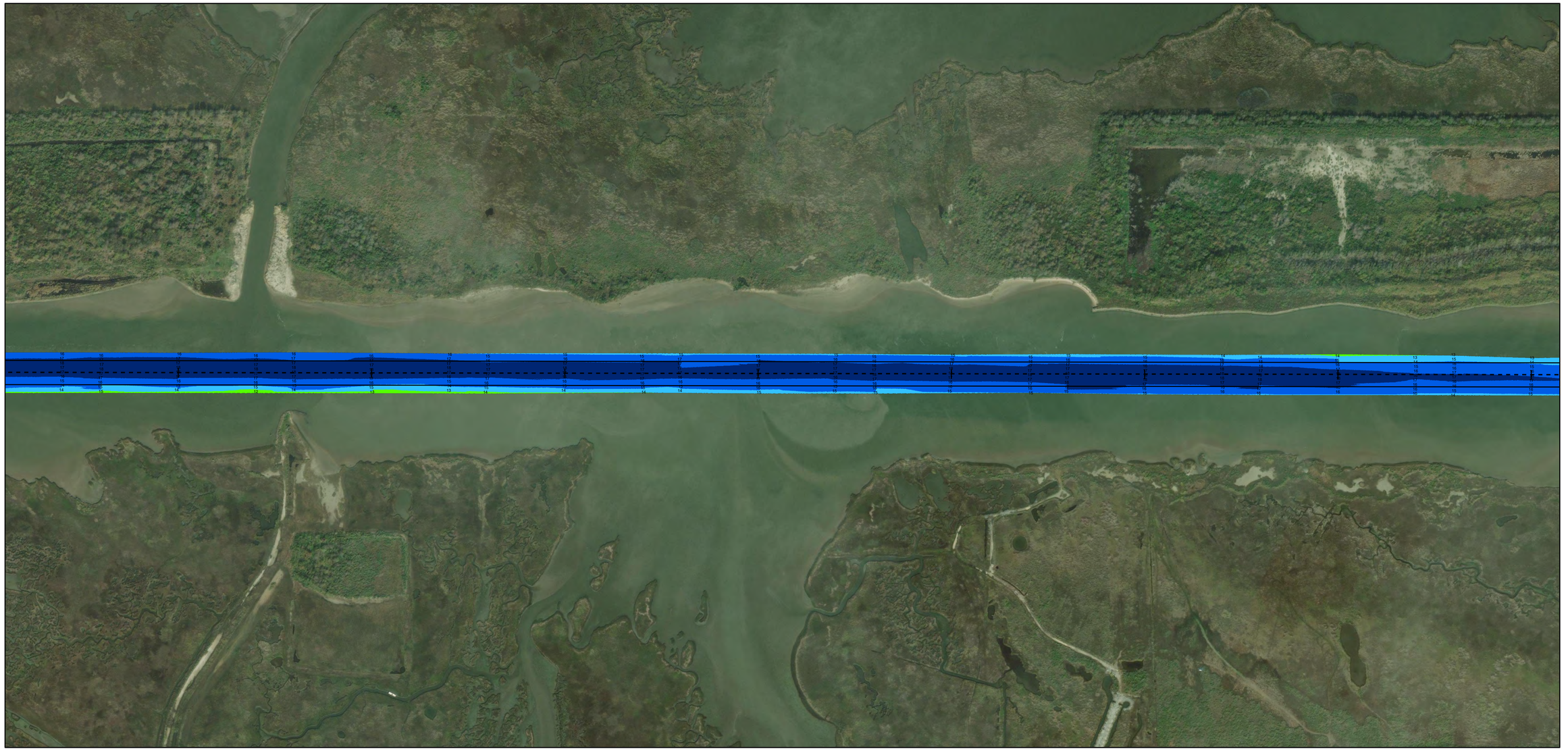
Station: 162+000 to 320+000
GIWW
High Island to Galveston Bay

Gulf Intracoastal Waterway: High Island to Galveston Bay





U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 19 December 2023
Document Page: 11 of 23
Scale: 1:3,000
Mapped by: M3AOXPAC
Additional Imagery info:
Authorized Depth: -13ft.
Side Slope Ratio: (Rise : Run)
Website Index Number: 33
PDF Print Date: 1/19/2024

Channel Features
- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation
- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - -3	3 - -5	5 - -7	7 - -9	9 - -11	11 - -13	13 - -15	15 - -17	< -17

NOTES:
1. Horizontal coordinates are referenced to texas state plane coordinate system, south central zone nad83 us survey feet.
2. Elevations are referenced to mean lower low tide (MLLW) datum.
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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
Combinded survey dates 20231212_PR_162P000_212P000; 20231213_PR_212P000_286P000; 20231219_CS_286P000_320P000

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic

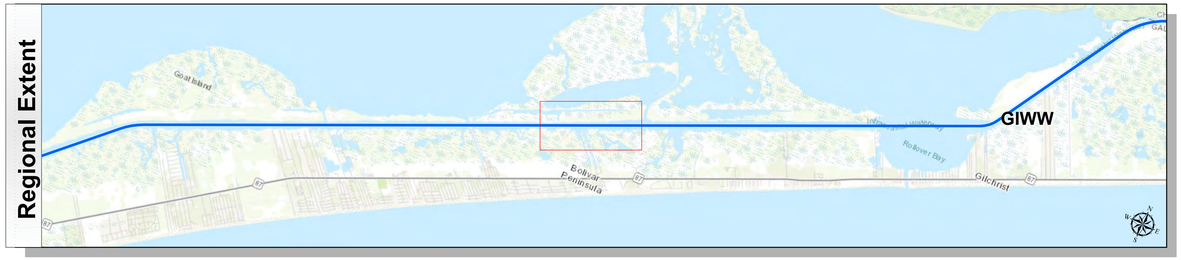
Dredging Reach Extent
0 0.3 0.6 1.2 Miles

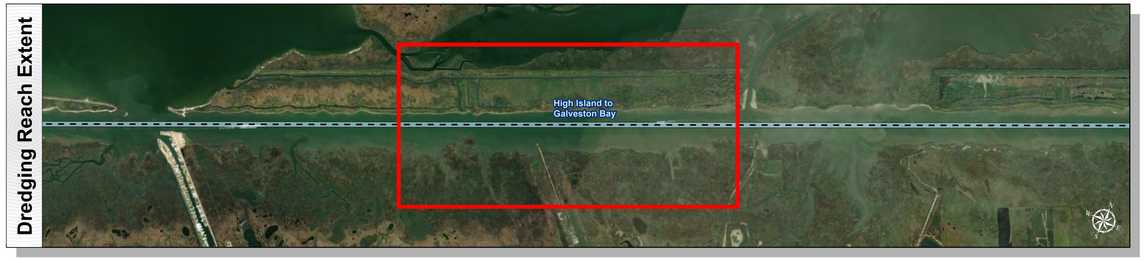
Hydrographic Survey Extent
0 255 510 1,020 Feet

HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

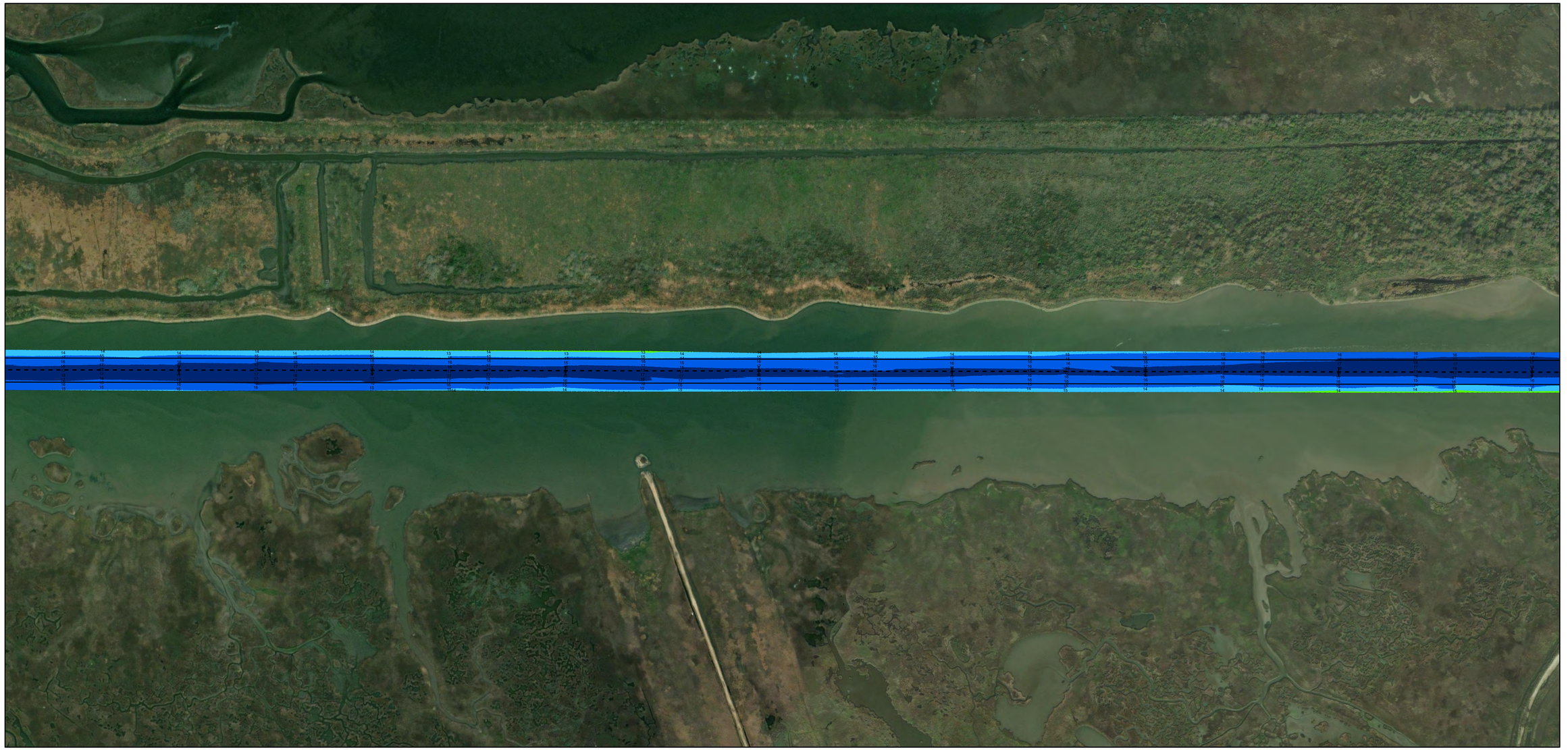
Station: 162+000 to 320+000
GIWW
High Island to Galveston Bay

Gulf Intracoastal Waterway: High Island to Galveston Bay





U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date:	19 December 2023
Document Page:	12 of 23
Website Index Number:	34
Scale:	1:3,000
Mapped by:	M3AOXPAC
Additional Imagery info:	
Authorized Depth:	-13ft.
Side Slope Ratio:	(Rise : Run)
PDF Print Date:	1/19/2024

Channel Features
- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation
- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - -3	3 - -5	5 - -7	7 - -9	9 - -11	11 - -13	13 - -15	15 - -17	< -17

NOTES:
1. Horizontal coordinates are referenced to texas state plane coordinate system, south central zone nad83 us survey feet.
2. Elevations are referenced to mean lower low tide (MLLW) datum.
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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
Combinded survey dates 20231212_PR_162P000_212P000; 20231213_PR_212P000_286P000; 20231219_CS_286P000_320P000

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent
0 0.3 0.6 1.2 Miles

Hydrographic Survey Extent
0 255 510 1,020 Feet

HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

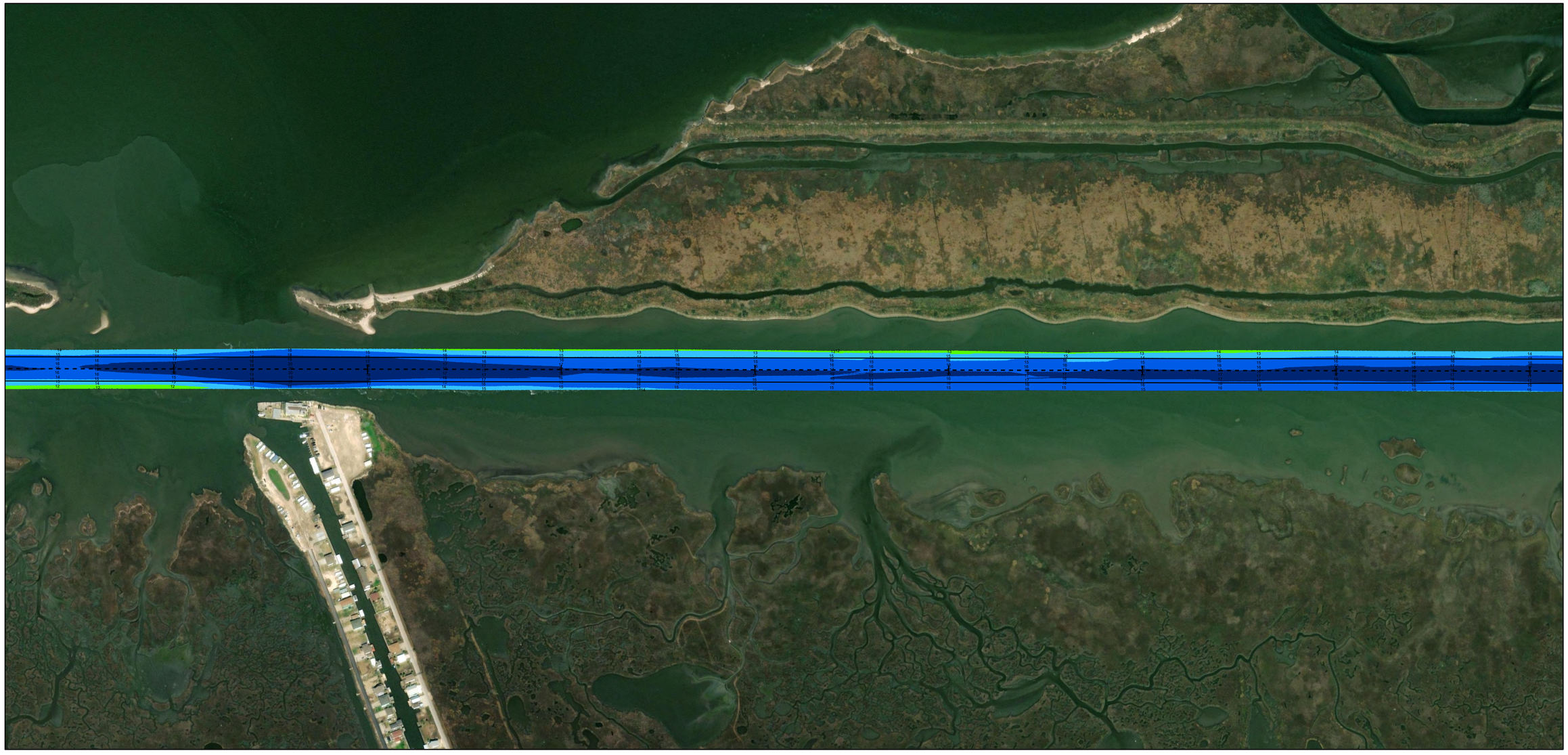
Station: 162+000 to 320+000
GIWW
High Island to Galveston Bay

Gulf Intracoastal Waterway: High Island to Galveston Bay

Regional Extent

Dredging Reach Extent

U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date:	19 December 2023
Authorized Depth:	-13ft.
Document Page:	13 of 23
Website Index Number:	35
Scale:	1:3,000
Side Slope Ratio:	(Rise : Run)
PDF Print Date:	1/19/2024
Mapped by:	M3AOXPAC
Additional Imagery info:	

Channel Features

- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - -3	3 - -5	5 - -7	7 - -9	9 - -11	11 - -13	13 - -15	15 - -17	< -17

NOTES:
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World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:

Combinded survey dates 20231212_PR_162P000_212P000; 20231213_PR_212P000_286P000; 20231219_CS_286P000_320P000

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic

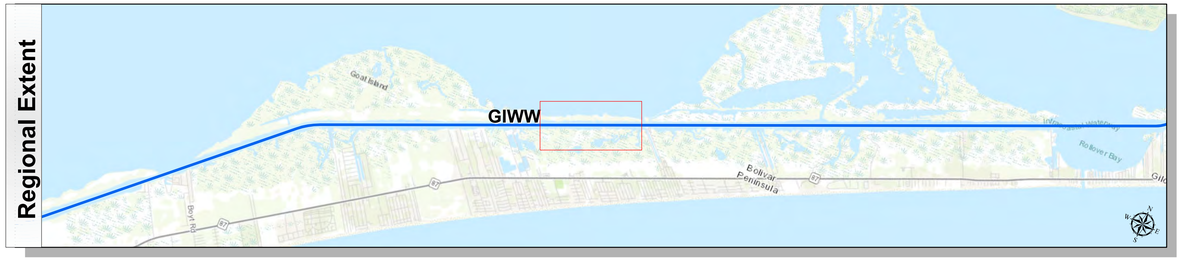
Dredging Reach Extent
0 0.3 0.6 1.2 Miles

Hydrographic Survey Extent
0 255 510 1,020 Feet

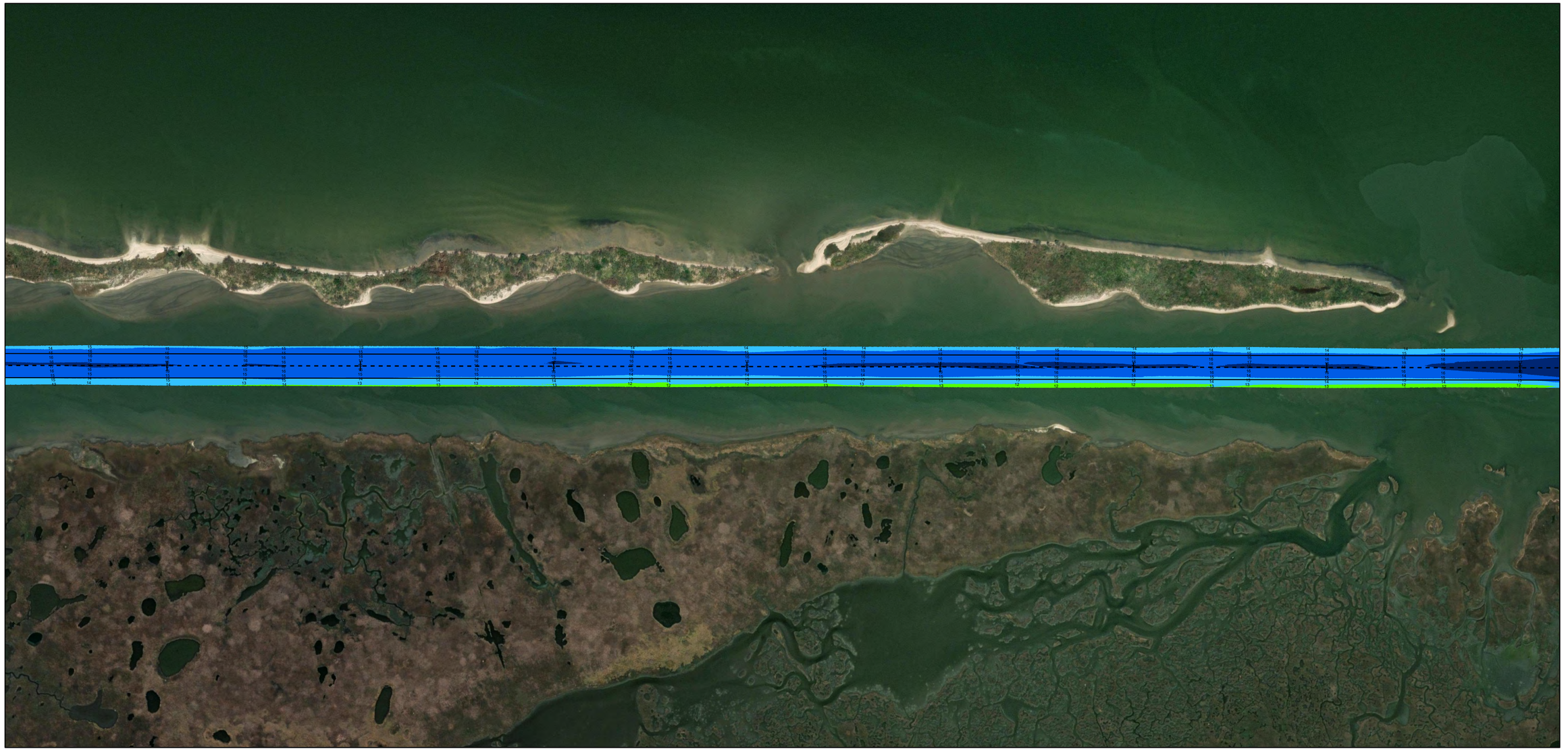
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 162+000 to 320+000
GIWW
High Island to Galveston Bay

Gulf Intracoastal Waterway: High Island to Galveston Bay



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date:	19 December 2023
Document Page:	14 of 23
Website Index Number:	36
Scale:	1:3,000
Authorized Depth:	-13ft.
Side Slope Ratio:	(Rise : Run)
PDF Print Date:	1/19/2024
Mapped by:	M3AOXPAC
Additional Imagery info:	

Channel Features
- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation
- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 3	3 - 5	5 - 7	7 - 9	9 - 11	11 - 13	13 - 15	15 - 17	< 17

NOTES:
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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
Combinded survey dates 20231212_PR_162P000_212P000; 20231213_PR_212P000_286P000; 20231219_CS_286P000_320P000

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent
0 0.3 0.6 1.2 Miles

Hydrographic Survey Extent
0 255 510 1,020 Feet

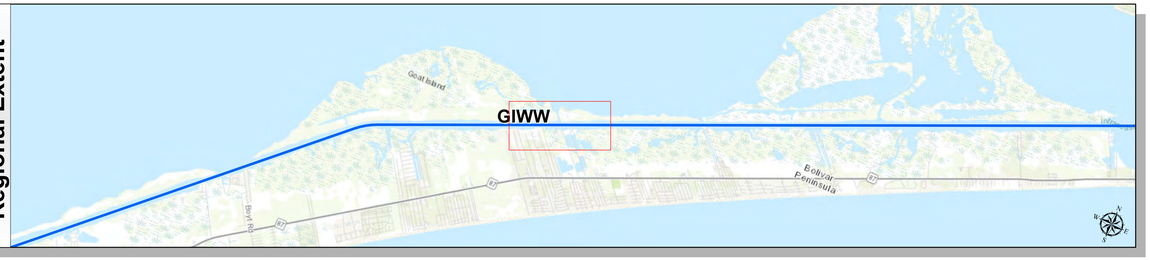
HYDROGRAPHIC SURVEY

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

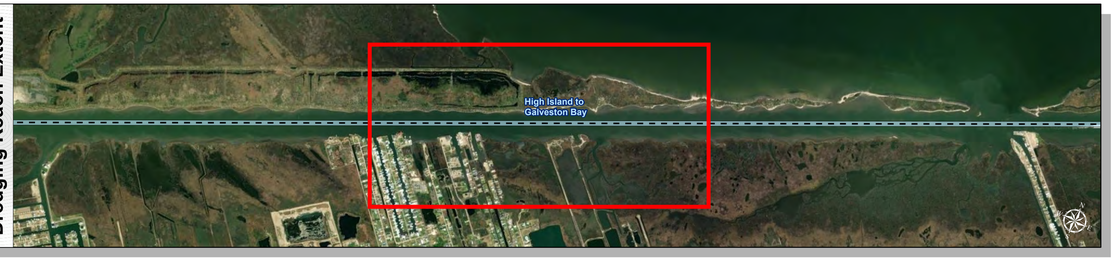
Station: 162+000 to 320+000
GIWW
High Island to Galveston Bay

Gulf Intracoastal Waterway: High Island to Galveston Bay

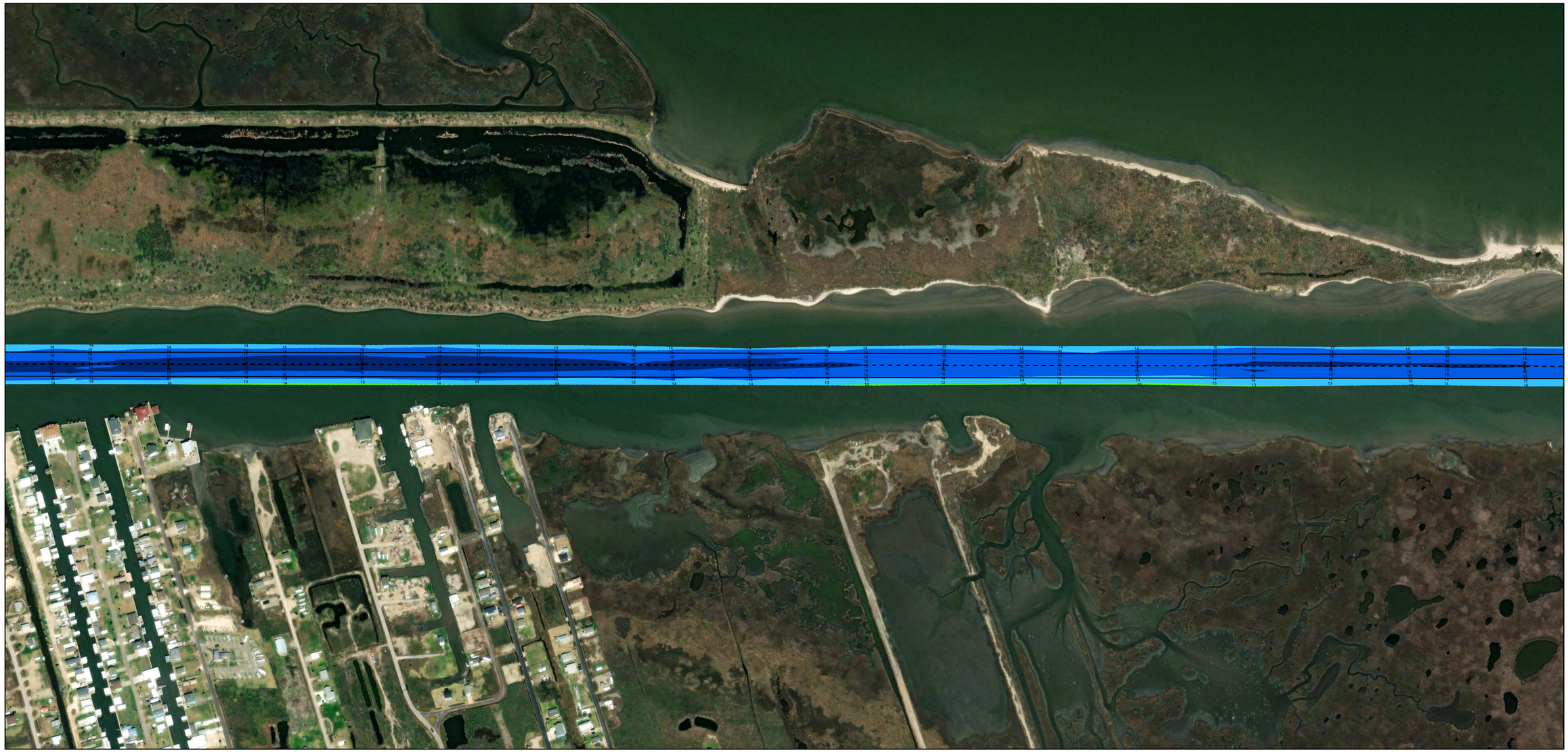
Regional Extent



Dredging Reach Extent



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date:	19 December 2023
Document Page:	15 of 23
Website Index Number:	37
Scale:	1:3,000
Mapped by:	M3AOXPAC
Additional Imagery info:	
Authorized Depth:	-13ft.
Side Slope Ratio:	(Rise : Run)
PDF Print Date:	1/19/2024

Channel Features
- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation
- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - -3	3 - -5	5 - -7	7 - -9	9 - -11	11 - -13	13 - -15	15 - -17	< -17

NOTES:
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World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
Combinded survey dates 20231212_PR_162P000_212P000; 20231213_PR_212P000_286P000; 20231219_CS_286P000_320P000

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent
0 0.3 0.6 1.2 Miles

Hydrographic Survey Extent
0 255 510 1,020 Feet

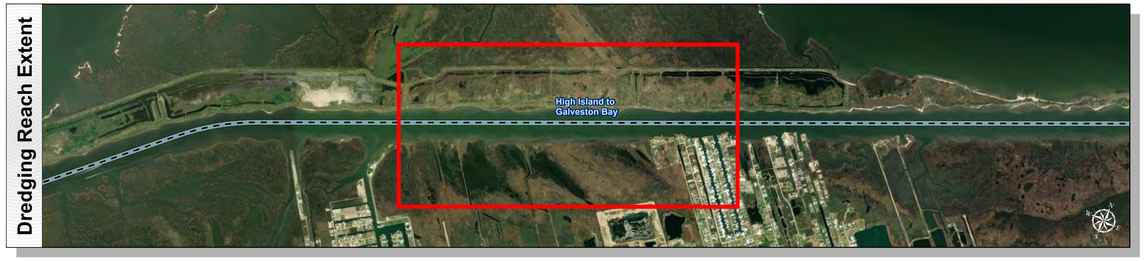
HYDROGRAPHIC SURVEY

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

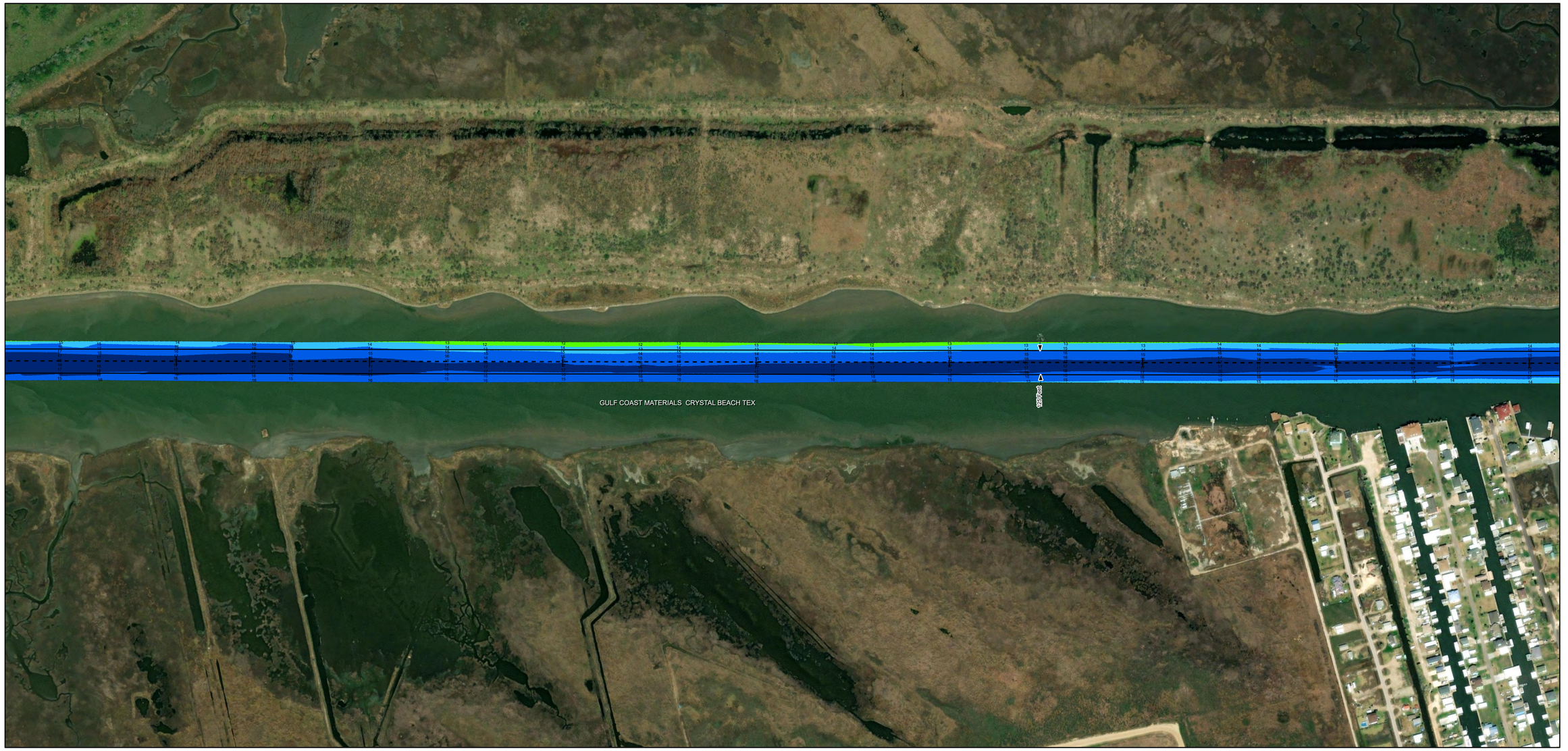
Station: 162+000 to 320+000
GIWW

High Island to Galveston Bay

Gulf Intracoastal Waterway: High Island to Galveston Bay



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date:	19 December 2023
Document Page:	16 of 23
Website Index Number:	38
Scale:	1:3,000
Mapped by:	M3AOXPAC
Additional Imagery info:	
Authorized Depth:	-13ft.
Side Slope Ratio:	(Rise : Run)
PDF Print Date:	1/19/2024

Channel Features
- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation
- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 3	3 - 5	5 - 7	7 - 9	9 - 11	11 - 13	13 - 15	15 - 17	< 17

NOTES:
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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
Combinded survey dates 20231212_PR_162P000_212P000; 20231213_PR_212P000_286P000; 20231219_CS_286P000_320P000

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent
0 0.3 0.6 1.2 Miles

Hydrographic Survey Extent
0 255 510 1,020 Feet

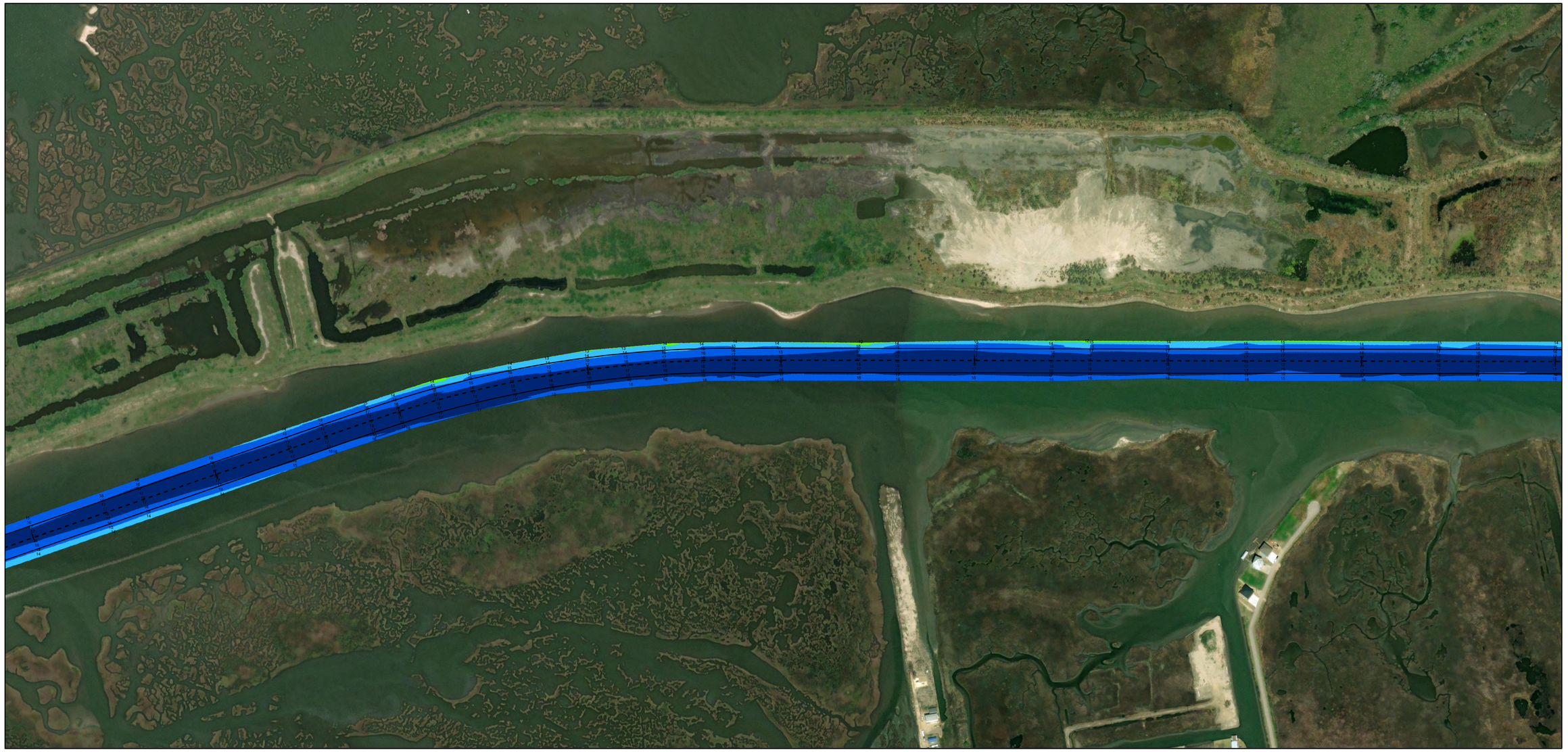
HYDROGRAPHIC SURVEY

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 162+000 to 320+000
GIWW
High Island to Galveston Bay

Gulf Intracoastal Waterway: High Island to Galveston Bay

U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date:	19 December 2023
Document Page: 17 of 23	Website Index Number: 39
Scale: 1:3,000	
Mapped by: M3AOXPAC	
Additional Imagery info:	
Authorized Depth: -13ft.	
Side Slope Ratio: (Rise : Run)	
PDF Print Date: 1/19/2024	

Channel Features
- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation
- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - -3	3 - -5	5 - -7	7 - -9	9 - -11	11 - -13	13 - -15	15 - -17	< -17

NOTES:
1. Horizontal coordinates are referenced to texas state plane coordinate system, south central zone nad83 us survey feet.
2. Elevations are referenced to mean lower low tide (MLLW) datum.
3. This project was designed by the galveston district of the u.s. army corps of engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by er1110-1-8152.
4. The information depicted on this survey map represents the results of surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time. These conditions are subject to rapid change due to shoaling events. A prudent mariner should not rely exclusively on the information provided here. Required by 33 cfr 209.325.
5. For the most up to date information please check our website at: http://www.swg.usace.army.mil/Missions/Navigation/HydrographicSurveys/

Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
Combinded survey dates 20231212_PR_162P000_212P000; 20231213_PR_212P000_286P000; 20231219_CS_286P000_320P000

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent
0 0.3 0.6 1.2 Miles

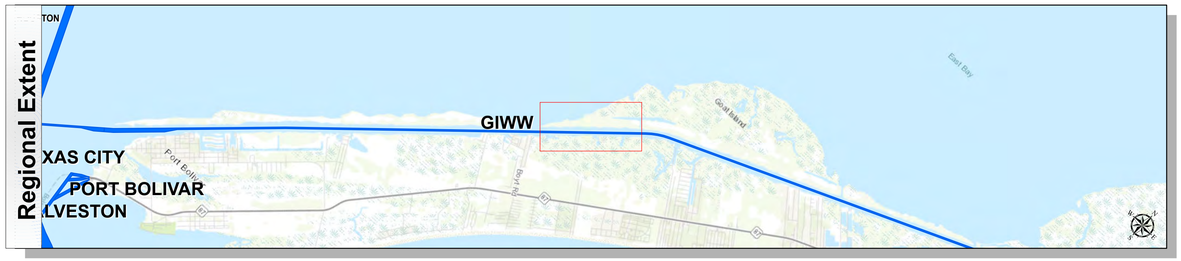
Hydrographic Survey Extent
0 255 510 1,020 Feet

HYDROGRAPHIC SURVEY

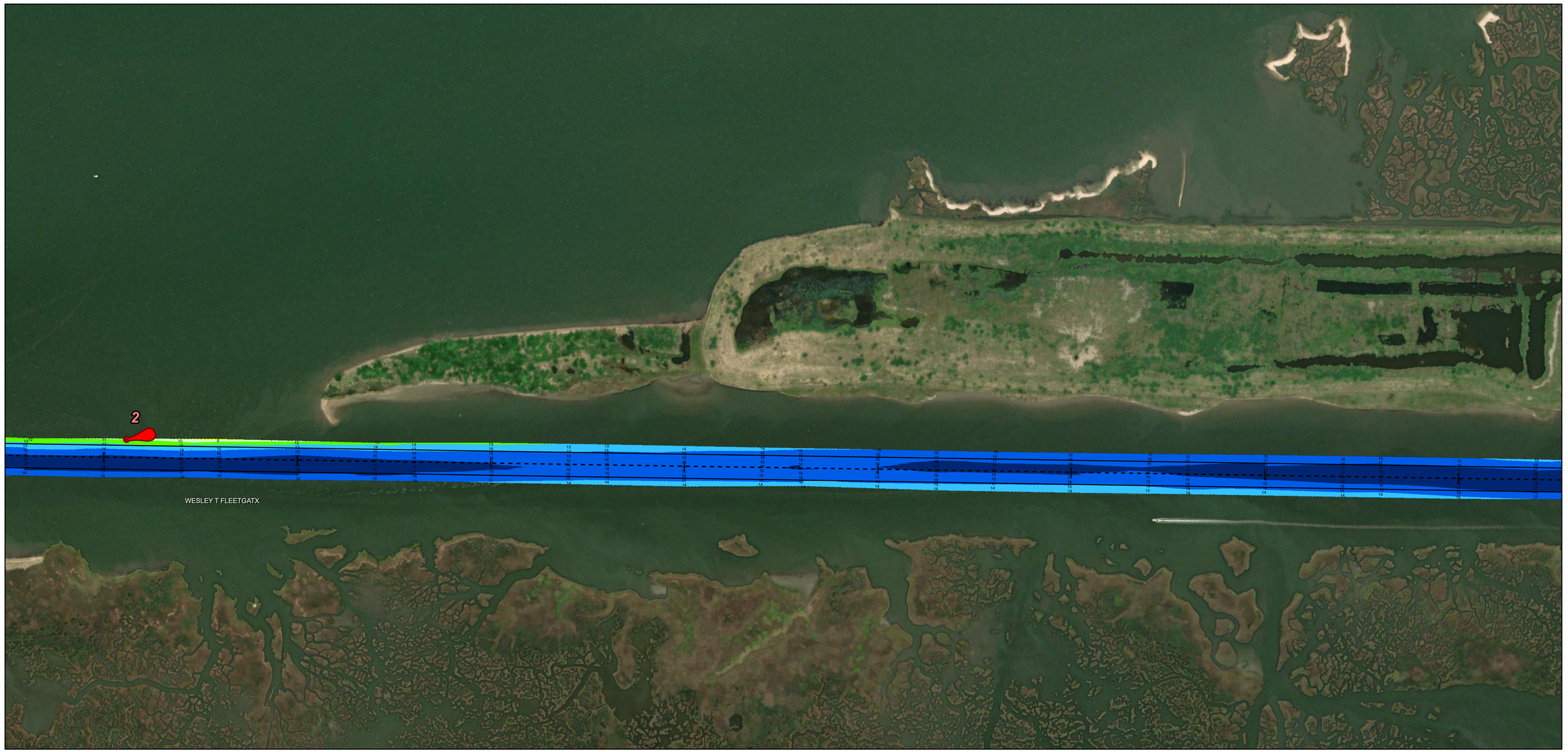
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 162+000 to 320+000
GIWW
High Island to Galveston Bay

Gulf Intracoastal Waterway: High Island to Galveston Bay



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date:	19 December 2023
Authorized Depth: -13ft.	
Document Page: 18 of 23	Website Index Number: 40
Side Slope Ratio: (Rise : Run)	
Scale: 1:3,000	PDF Print Date: 1/19/2024
Mapped by: M3AOXPAC	
Additional Imagery info:	

Channel Features
- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation
- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 3	3 - 5	5 - 7	7 - 9	9 - 11	11 - 13	13 - 15	15 - 17	< 17

NOTES:
1. Horizontal coordinates are referenced to texas state plane coordinate system, south central zone nad83 us survey feet.
2. Elevations are referenced to mean lower low tide (MLLW) datum.
3. This project was designed by the galveston district of the u.s. army corps of engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by er1110-1-8152.
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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
Combinded survey dates 20231212_PR_162P000_212P000; 20231213_PR_212P000_286P000; 20231219_CS_286P000_320P000

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic

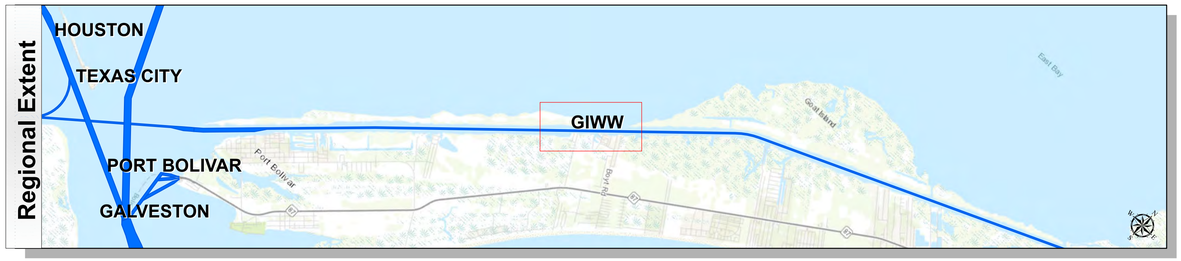
Dredging Reach Extent
0 0.3 0.6 1.2 Miles

Hydrographic Survey Extent
0 255 510 1,020 Feet

HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 162+000 to 320+000
GIWW
High Island to Galveston Bay

Gulf Intracoastal Waterway: High Island to Galveston Bay



U.S. Army Corps of Engineers
Galveston District

Latest Survey Collection Date: 19 December 2023
Document Page: 19 of 23
Website Index Number: 41
Scale: 1:3,000
Mapped by: M3AOXPAC
Additional Imagery info:
Authorized Depth: -13ft.
Side Slope Ratio: (Rise : Run)
PDF Print Date: 1/19/2024

HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 162+000 to 320+000
GIWW
High Island to Galveston Bay

Channel Features
- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation
- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - -3	3 - -5	5 - -7	7 - -9	9 - -11	11 - -13	13 - -15	15 - -17	< -17

NOTES:
1. Horizontal coordinates are referenced to texas state plane coordinate system, south central zone nad83 us survey feet.
2. Elevations are referenced to mean lower low tide (MLLW) datum.
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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA
World_Imagery: Maxar

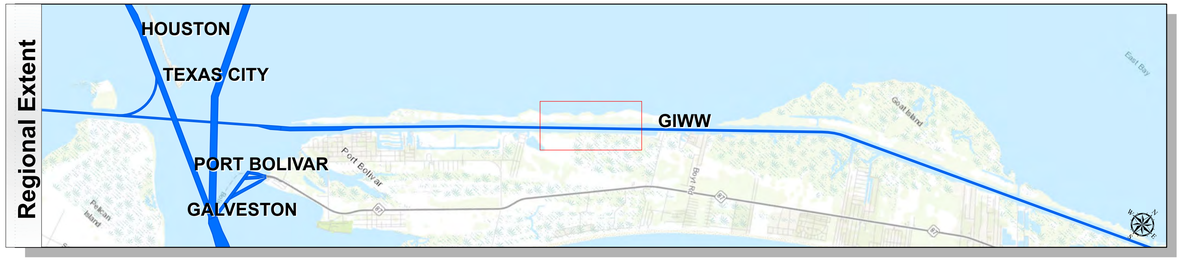
Additional Combined Survey Dates and Stationing:
Combinded survey dates 20231212_PR_162P000_212P000; 20231213_PR_212P000_286P000; 20231219_CS_286P000_320P000

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent
0 0.3 0.6 1.2 Miles

Hydrographic Survey Extent
0 255 510 1,020 Feet

Gulf Intracoastal Waterway: High Island to Galveston Bay



U.S. Army Corps of Engineers
Galveston District

Latest Survey Collection Date:	19 December 2023
Document Page: 20 of 23	Website Index Number: 42
Scale: 1:3,000	
Mapped by: M3AOXPAC	
Additional Imagery info:	
Authorized Depth: -13ft.	
Side Slope Ratio: (Rise : Run)	
PDF Print Date: 1/19/2024	

Channel Features
- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation
- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - -3	-3 - -5	-5 - -7	-7 - -9	-9 - -11	-11 - -13	-13 - -15	-15 - -17	< -17

NOTES:
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World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
Combinded survey dates 20231212_PR_162P000_212P000; 20231213_PR_212P000_286P000; 20231219_CS_286P000_320P000

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic

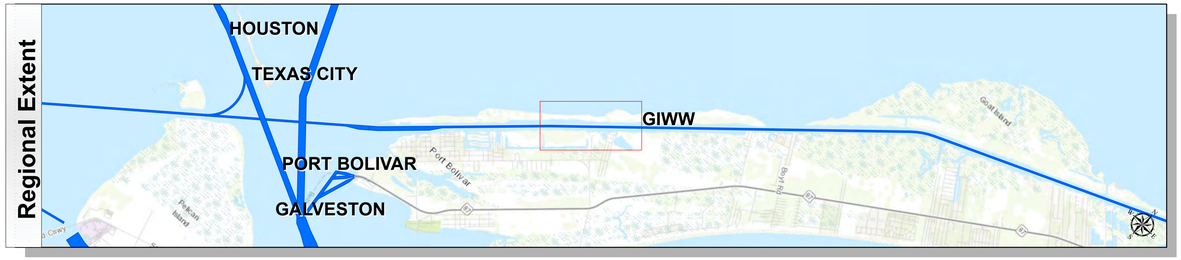
Dredging Reach Extent
0 0.3 0.6 1.2 Miles

Hydrographic Survey Extent
0 255 510 1,020 Feet

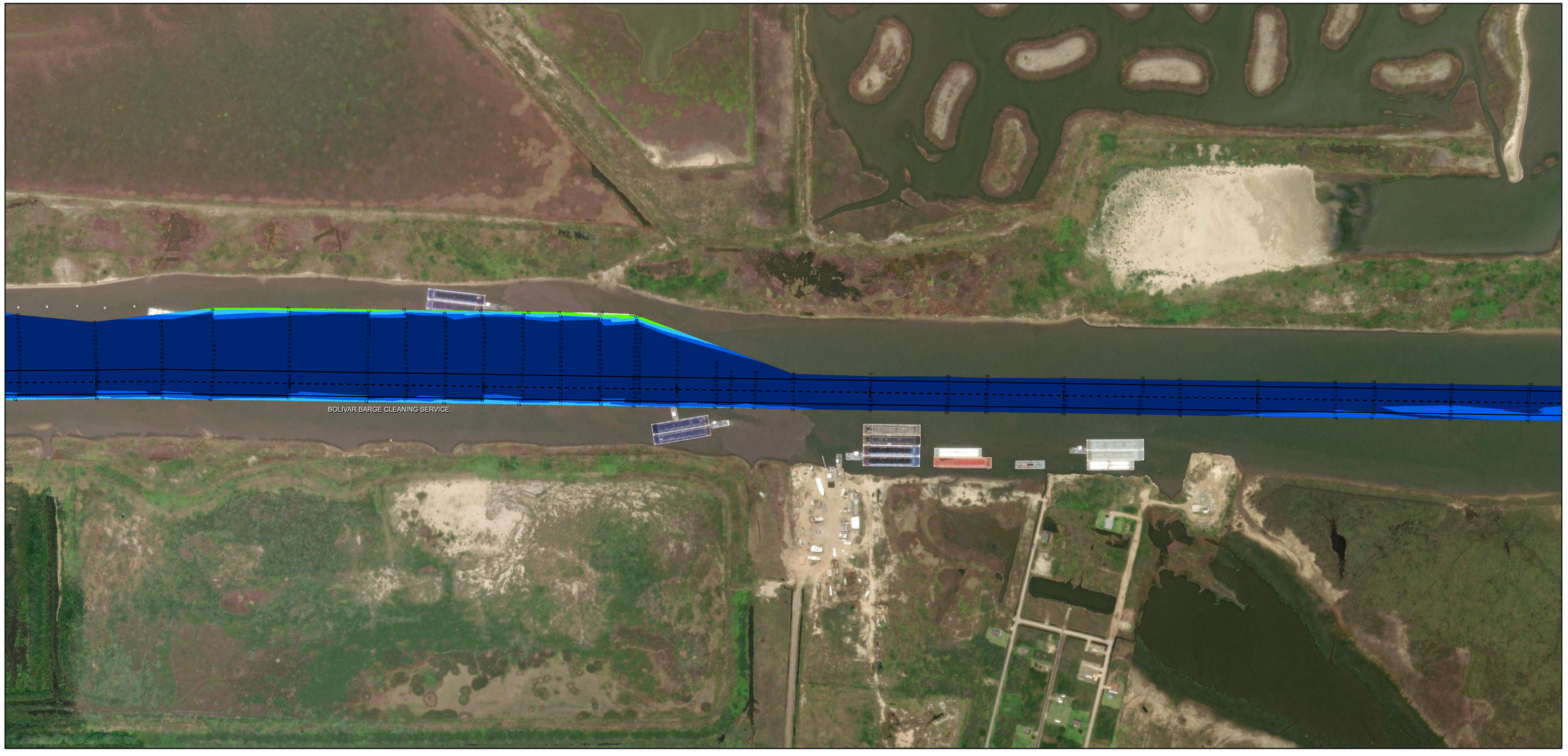
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 162+000 to 320+000
GIWW
High Island to Galveston Bay

Gulf Intracoastal Waterway: High Island to Galveston Bay



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date:	19 December 2023
Document Page: 21 of 23	Website Index Number: 43
Scale: 1:3,000	
Mapped by: M3AOXPAC	
Additional Imagery info:	
Authorized Depth: -13ft.	
Side Slope Ratio: (Rise : Run)	
PDF Print Date: 1/19/2024	

Channel Features
- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation
- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 3	3 - 5	5 - 7	7 - 9	9 - 11	11 - 13	13 - 15	15 - 17	< 17

NOTES:
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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
Combinded survey dates 20231212_PR_162P000_212P000; 20231213_PR_212P000_286P000; 20231219_CS_286P000_320P000

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic

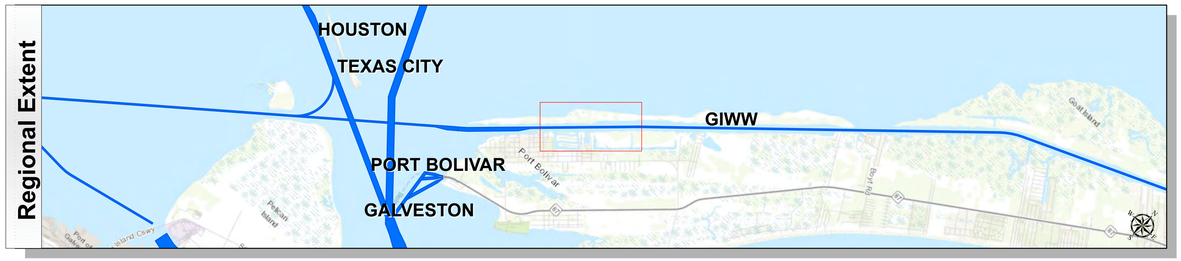
Dredging Reach Extent
0 0.3 0.6 1.2 Miles

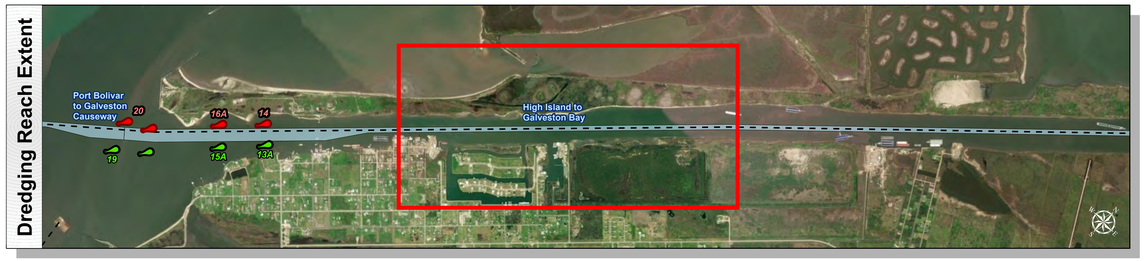
Hydrographic Survey Extent
0 255 510 1,020 Feet

HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

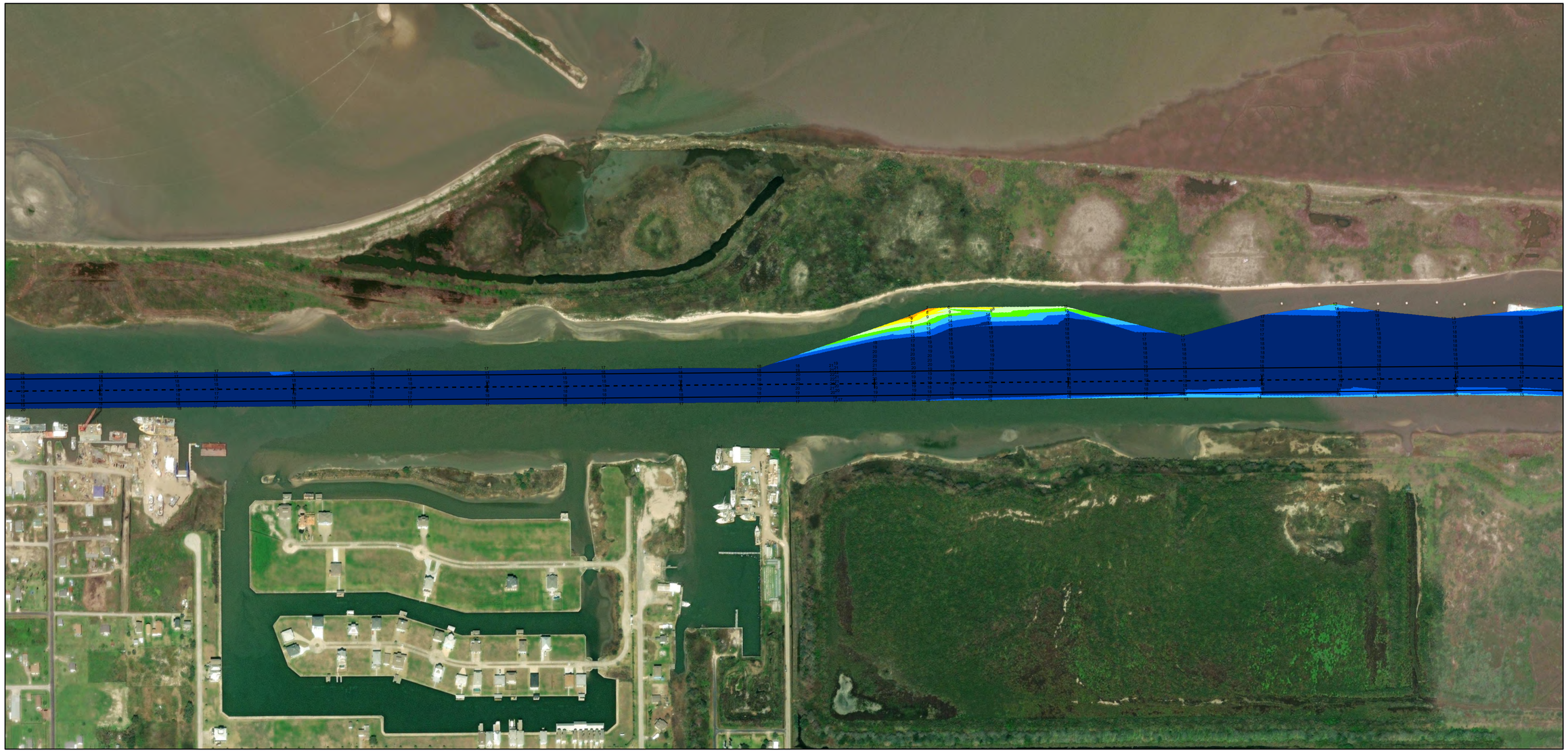
Station: 162+000 to 320+000
GIWW
High Island to Galveston Bay

Gulf Intracoastal Waterway: High Island to Galveston Bay





U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date:	19 December 2023
Document Page:	22 of 23
Website Index Number:	44
Scale:	1:3,000
Mapped by:	M3AOXPAC
Additional Imagery info:	
Authorized Depth:	-13ft.
Side Slope Ratio:	(Rise : Run)
PDF Print Date:	1/19/2024

Channel Features
- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation
- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - -3	3 - -5	5 - -7	7 - -9	9 - -11	11 - -13	13 - -15	15 - -17	< -17

NOTES:
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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
Combinded survey dates 20231212_PR_162P000_212P000; 20231213_PR_212P000_286P000; 20231219_CS_286P000_320P000

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic

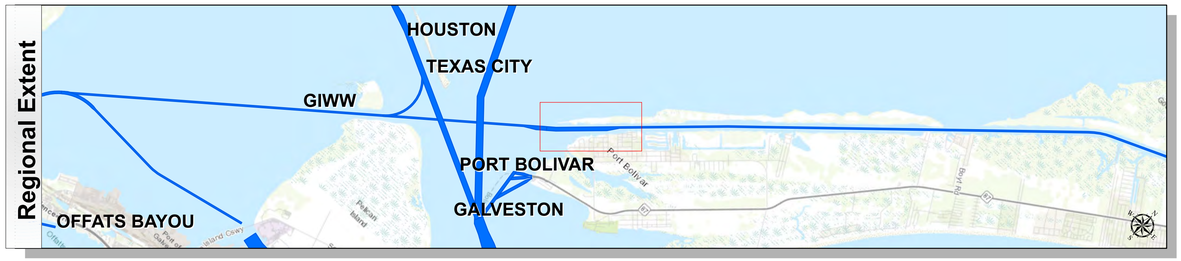
Dredging Reach Extent
0 0.3 0.6 1.2 Miles

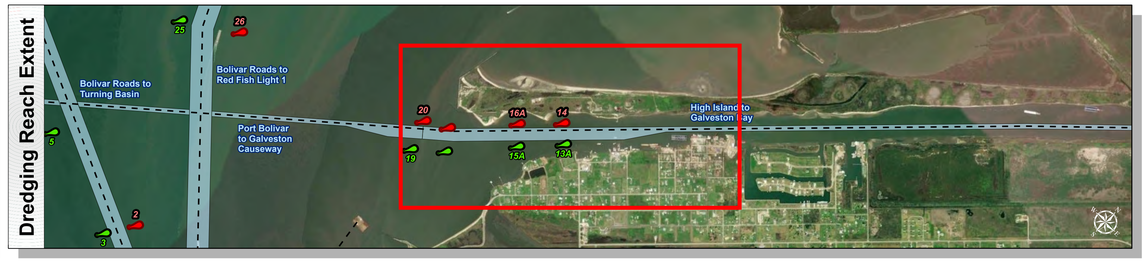
Hydrographic Survey Extent
0 255 510 1,020 Feet

HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

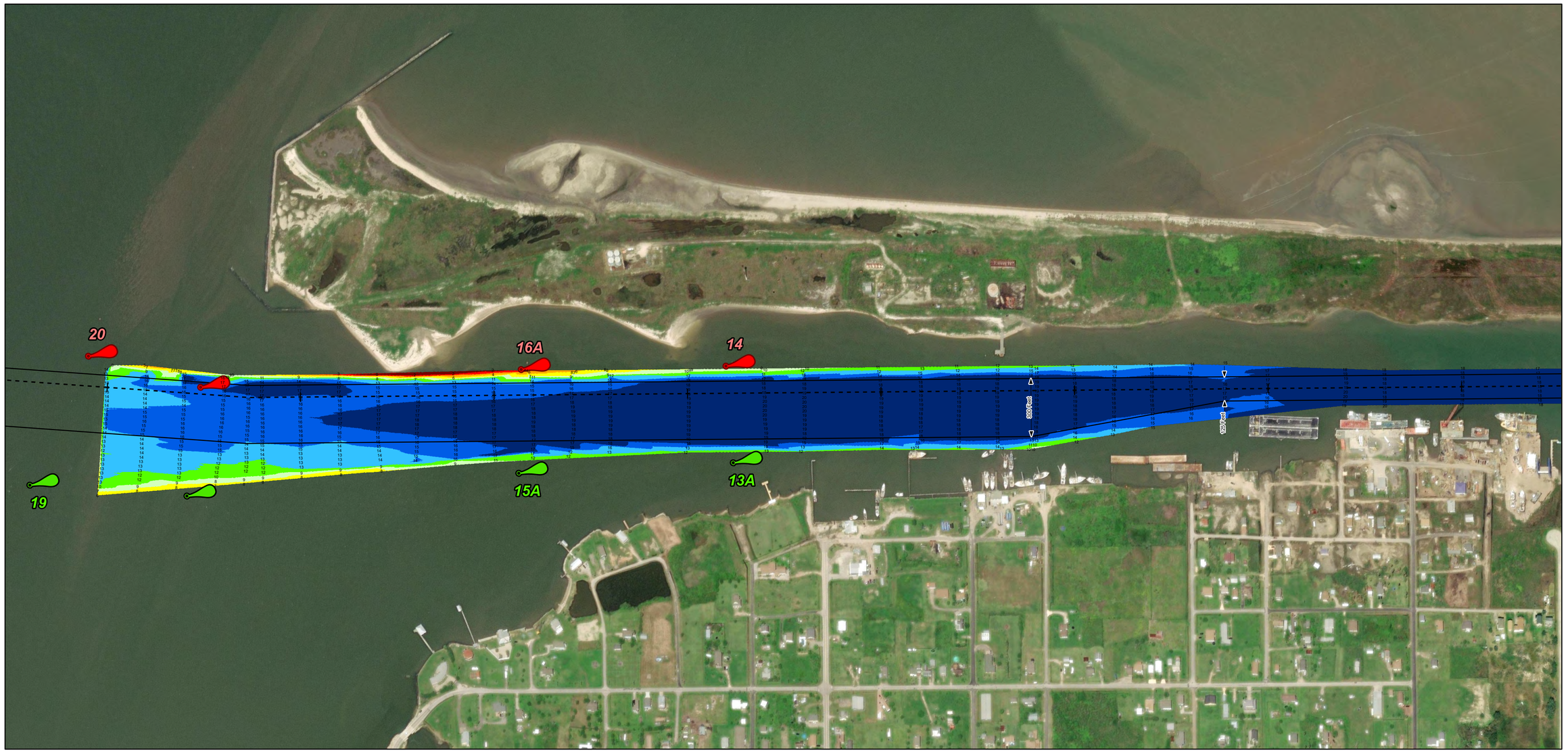
Station: 162+000 to 320+000
GIWW
High Island to Galveston Bay

Gulf Intracoastal Waterway: High Island to Galveston Bay





U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date:	19 December 2023
Document Page: 23 of 23	Website Index Number: 45
Scale: 1:3,000	
Mapped by: M3AOXPAC	
Additional Imagery info:	
Authorized Depth: -13ft.	
Side Slope Ratio: (Rise : Run)	
PDF Print Date: 1/19/2024	

Channel Features
- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation
- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 3	3 - 5	5 - 7	7 - 9	9 - 11	11 - 13	13 - 15	15 - 17	< 17

NOTES:
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World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
Combinded survey dates 20231212_PR_162P000_212P000; 20231213_PR_212P000_286P000; 20231219_CS_286P000_320P000

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent
0 0.3 0.6 1.2 Miles

Hydrographic Survey Extent
0 255 510 1,020 Feet

HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 162+000 to 320+000
GIWW
High Island to Galveston Bay