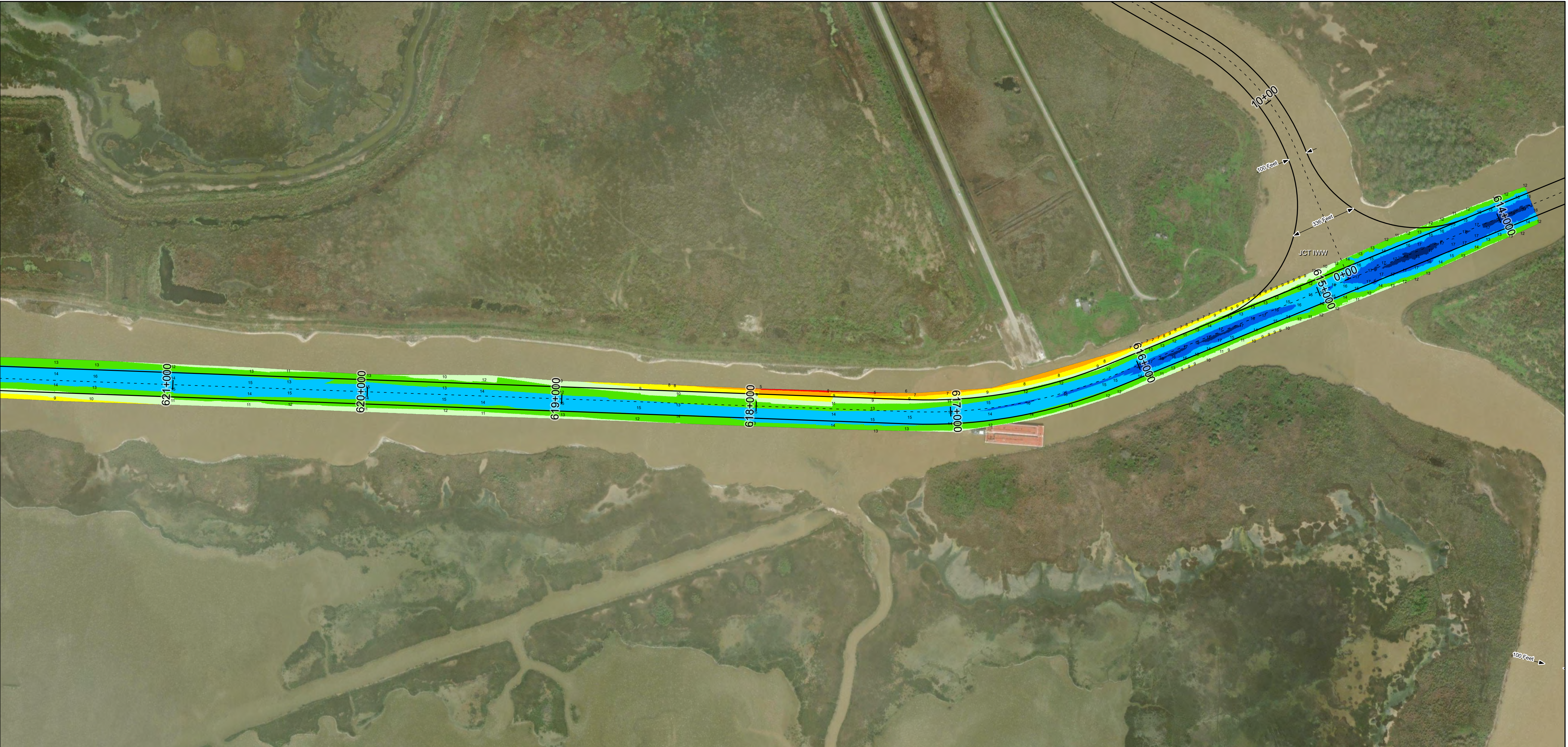
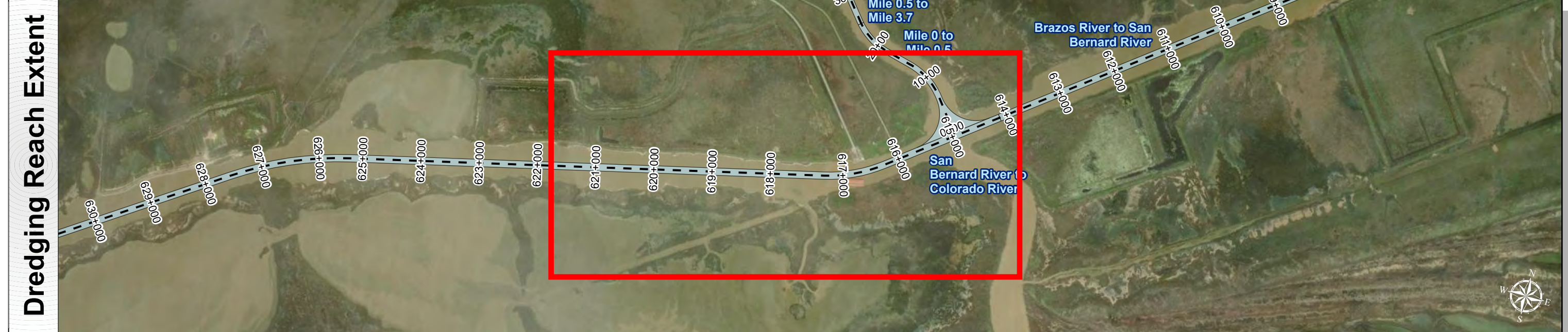


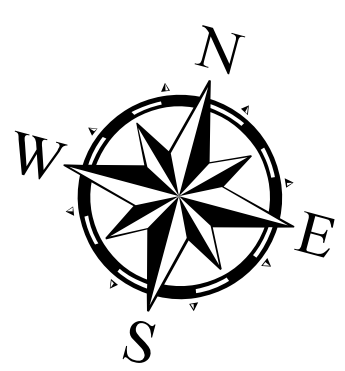
Gulf Intracoastal Waterway: San Bernard River to Colorado River



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 19 November 2024	Authorized Depth: -14ft.
Document Page: 1 of 25	Side Slope Ratio: (Rise : Run)
Scale: 1:3,000	Website Index Number: 91
Mapped by: m3odnmhg	PDF Print Date: 11/21/2024
Additional Imagery info:	



Channel Features

- Channel Center Line
- Channel Toe
- Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18
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NOTES:

- Horizontal coordinates are referenced to Texas State Plane Coordinate System, South Central Zone NAD83 US Survey Feet.
- Elevations are referenced to Mean Lower Low Water (MLLW) datum.
- 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 47 CFR 111.10 - 111.12.
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- For the most up to date information please check our website at: <http://www.svg.usace.army.mil/Missions/Navigation/HydrographicSurveys/>

Service Layer Credits: World Topographic Map: Brazoria County, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, NGA, EPA, USDA
World Imagery: Maxar
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:
 Combined surveys: 20240623; 20240710; 20240714; 20240906_BD_627P000_635P000;
 20241007_CS_698P000_710P400; 20241119_AD_786P000_794P000

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

Dredging Reach Extent

Hydrographic Survey Extent

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

Station: 614+000 to 805+000
 GIWW
 San Bernard River to Colorado River

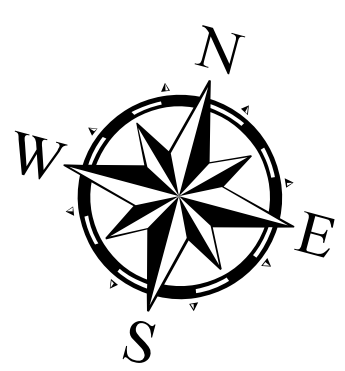
Gulf Intracoastal Waterway: San Bernard River to Colorado River



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 19 November 2024	Authorized Depth: -14ft.
Document Page: 2 of 25	Side Slope Ratio: (Rise : Run)
Scale: 1:3,000	PDF Print Date: 11/21/2024
Mapped by: m3odnmhg	
Additional Imagery info:	



Channel Features

- Channel Center Line
- Channel Toe
- ↔ Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18
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NOTES:

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World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:
 Combined surveys: 20240623; 20240710; 20240714; 20240906_BD_627P000_635P000;
 20241007_CS_698P000_710P400; 20241119_AD_786P000_794P000

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

Dredging Reach Extent

Hydrographic Survey Extent

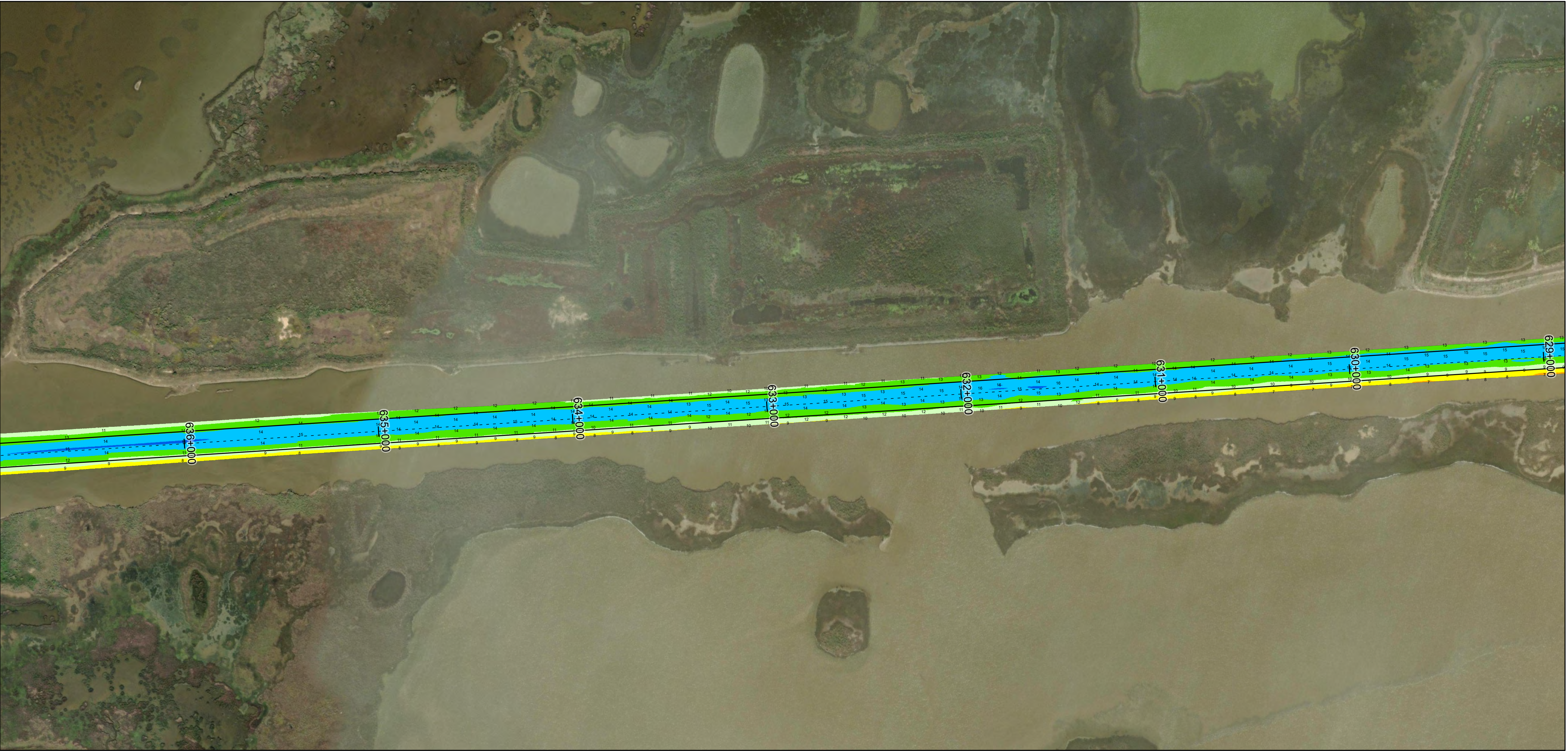
HYDROGRAPHIC SURVEY
 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 GALVESTON, TEXAS

Station: 614+000 to 805+000
 GIWW
 San Bernard River to Colorado River

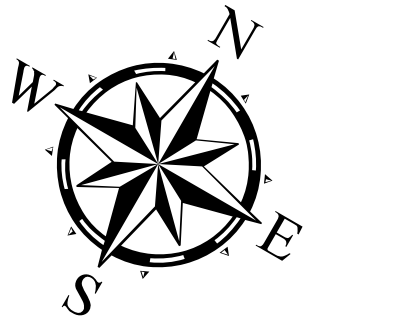
Gulf Intracoastal Waterway: San Bernard River to Colorado River



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 19 November 2024	Authorized Depth: -14ft.
Document Page: 3 of 25	Side Slope Ratio: (Rise : Run)
Scale: 1:3,000	PDF Print Date: 11/21/2024
Mapped by: m3odnmhg	
Additional Imagery info:	
Website Index Number: 93	



Channel Features

- Channel Center Line
- Channel Toe
- ↔ Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18
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NOTES:

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- Elevations are referenced to Mean Lower Low Water (MLLW) datum.
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Service Layer Credits: World Topographic Map: Brazoria County, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, NGA, EPA, USDA
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World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:
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 20241007_CS_698P000_710P400; 20241119_AD_786P000_794P000

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

Dredging Reach Extent

Hydrographic Survey Extent

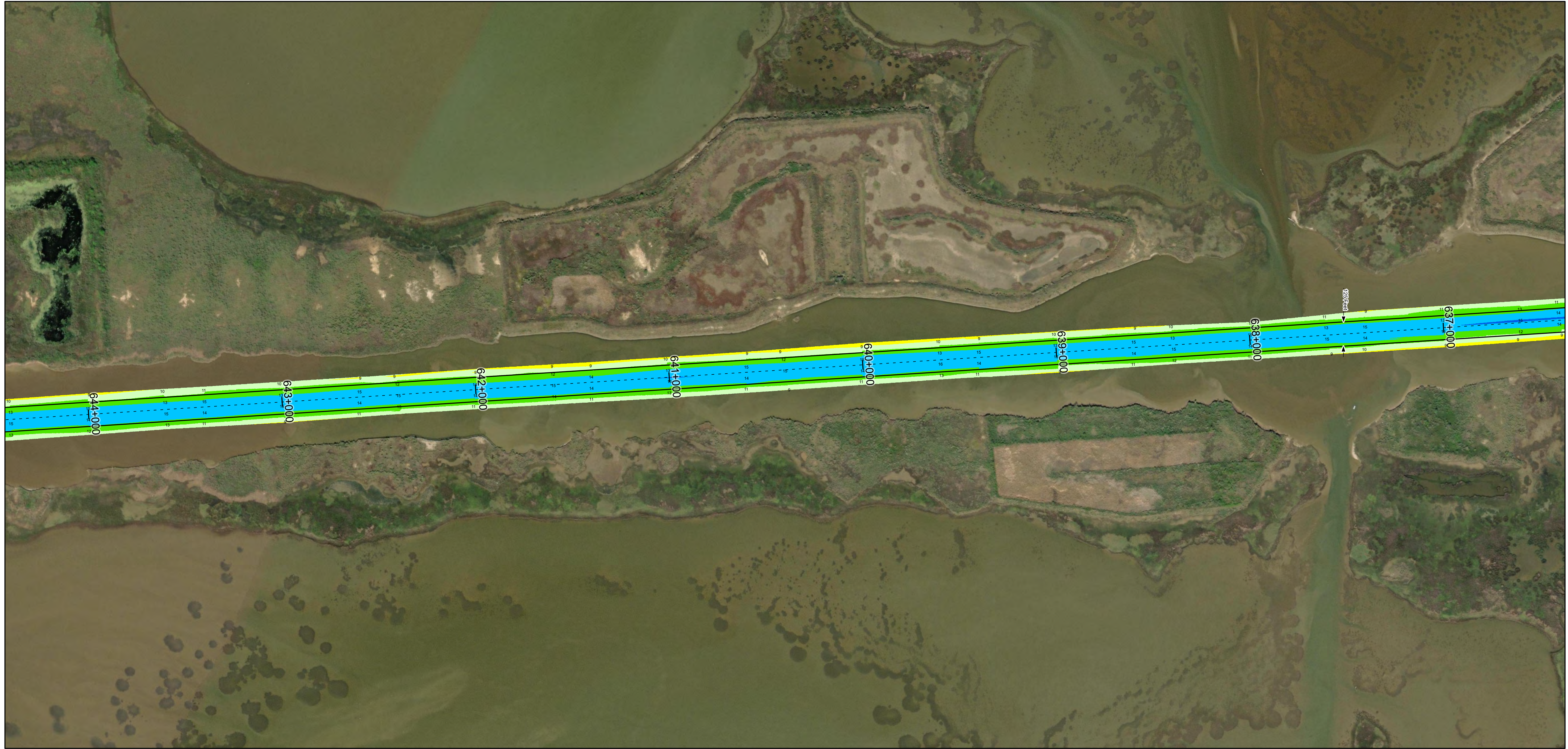
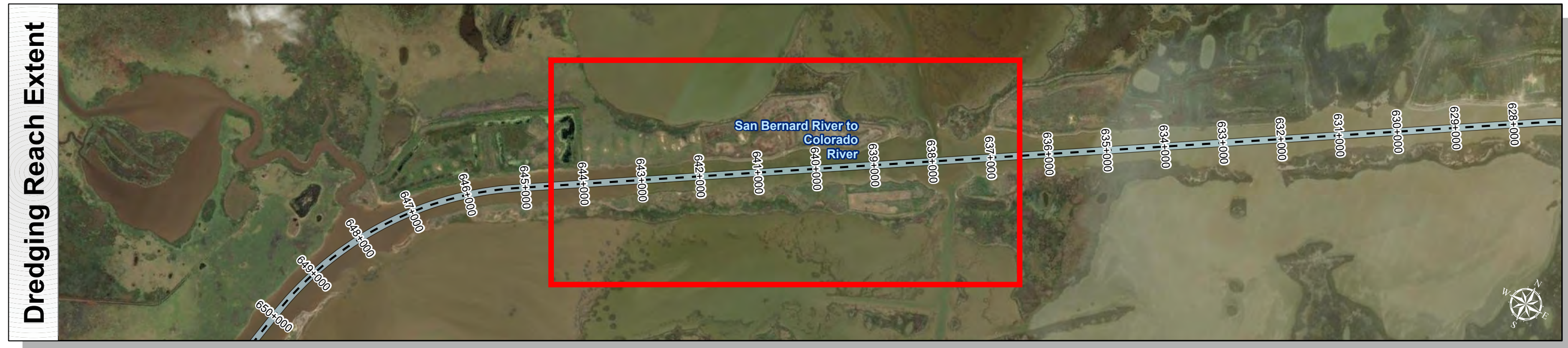
HYDROGRAPHIC SURVEY
 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 GALVESTON, TEXAS

Station: 614+000 to 805+000
 GIWW
 San Bernard River to Colorado River

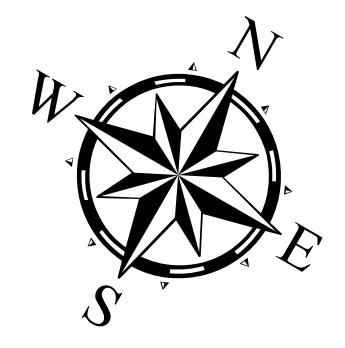
Gulf Intracoastal Waterway: San Bernard River to Colorado River



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 19 November, 2024	Authorized Depth: -14ft.
Document Page: 4 of 25	Side Slope Ratio: (Rise : Run)
Scale: 1:3,000	PDF Print Date: 11/21/2024
Mapped by: m3odnmhg	
Additional Imagery info:	



Channel Features

- Channel Center Line
- Channel Toe
- Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18
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NOTES:

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Service Layer Credits: World Topographic Map: Brazoria County, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, NGA, EPA, USDA
World Imagery: Maxar
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:
 Combined surveys: 20240623; 20240710; 20240714; 20240906_BD_627P000_635P000;
 20241007_CS_698P000_710P400; 20241119_AD_786P000_794P000

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

Dredging Reach Extent

Hydrographic Survey Extent

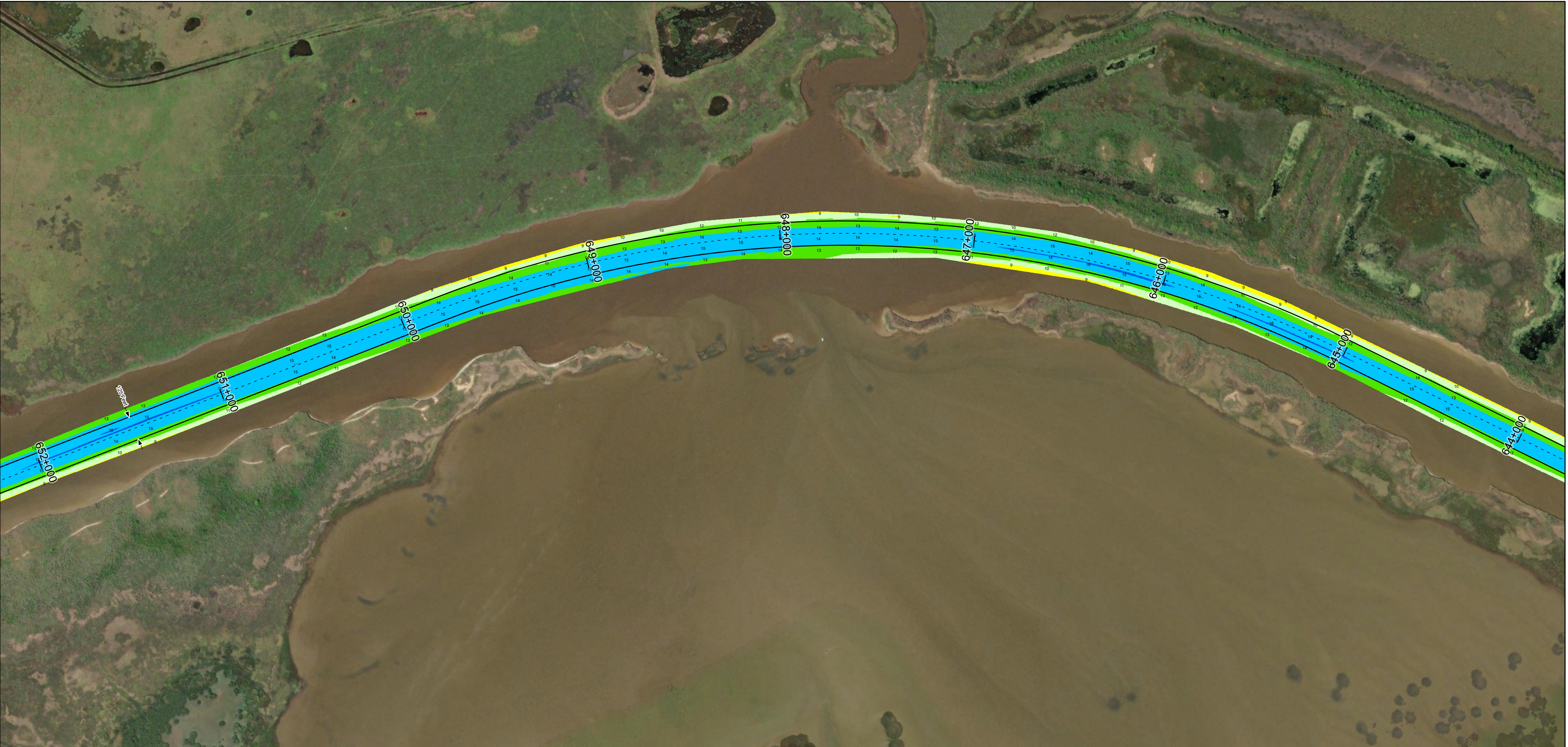
HYDROGRAPHIC SURVEY
 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 GALVESTON, TEXAS

Station: 614+000 to 805+000
 GIWW
 San Bernard River to Colorado River

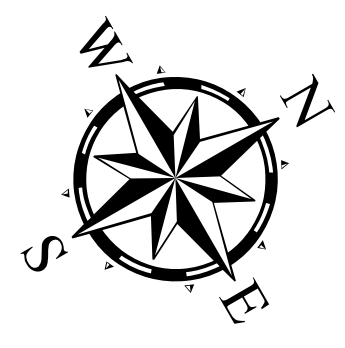
Gulf Intracoastal Waterway: San Bernard River to Colorado River



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 19 November, 2024	Authorized Depth: -14ft.
Document Page: 5 of 25	Side Slope Ratio: (Rise : Run)
Scale: 1:3,000	PDF Print Date: 11/21/2024
Mapped by: m3odnmhg	
Additional Imagery info:	
Website Index Number: 95	



Channel Features

- Channel Center Line
- Channel Toe
- Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18
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NOTES:

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Service Layer Credits: World Topographic Map: Brazoria County, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, NGA, EPA, USDA
World Imagery: Maxar
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:

Combined surveys: 20240623; 20240710; 20240714; 20240906_BD_627P000_635P000; 20241007_CS_698P000_710P400; 20241119_AD_786P000_794P000

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

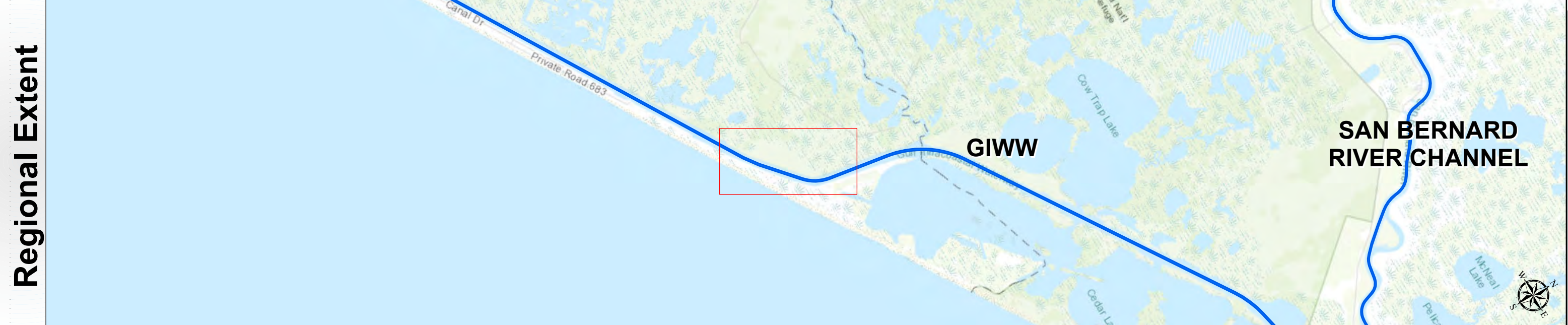
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 614+000 to 805+000
GIWW
San Bernard River to Colorado River

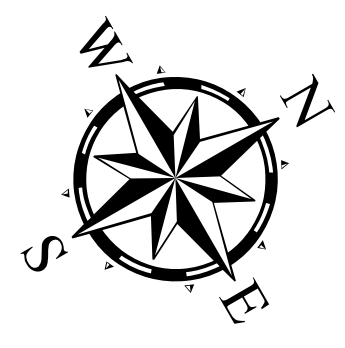
Gulf Intracoastal Waterway: San Bernard River to Colorado River



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 19 November 2024	Authorized Depth: -14ft.
Document Page: 6 of 25	Side Slope Ratio: (Rise : Run)
Scale: 1:3,000	PDF Print Date: 11/21/2024
Mapped by: m3odnmhg	
Additional Imagery info:	



Channel Features

- Channel Center Line
- Channel Toe
- Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18
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NOTES:

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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, NGA, EPA, USDA
World Imagery: Maxar
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:
 Combined surveys: 20240623; 20240710; 20240714; 20240906_BD_627P000_635P000;
 20241007_CS_698P000_710P400; 20241119_AD_786P000_794P000

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

Dredging Reach Extent

Hydrographic Survey Extent

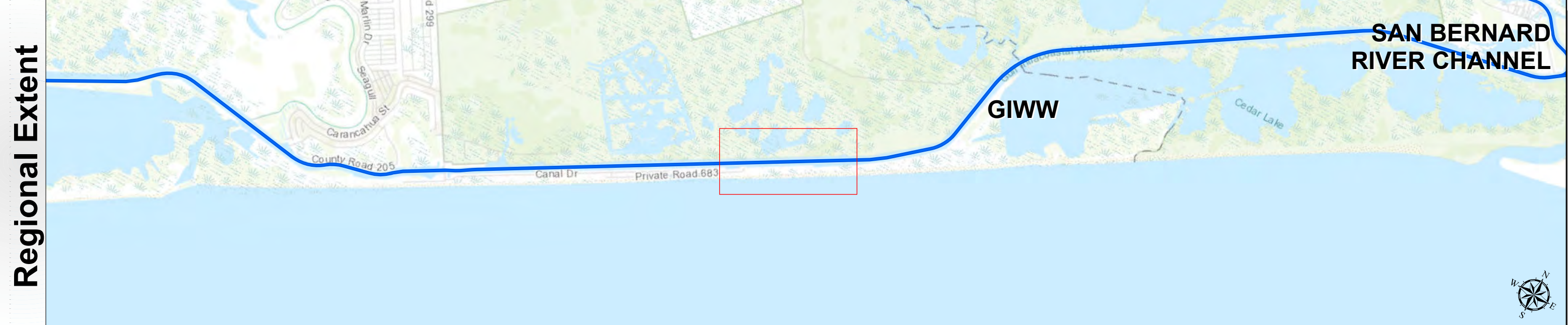
HYDROGRAPHIC SURVEY
 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 GALVESTON, TEXAS

Station: 614+000 to 805+000
 GIWW
 San Bernard River to Colorado River

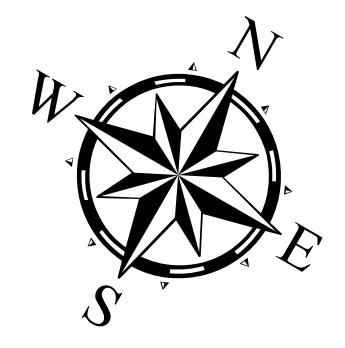
Gulf Intracoastal Waterway: San Bernard River to Colorado River



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 19 November 2024	Authorized Depth: -14ft.
Document Page: 7 of 25	Side Slope Ratio: (Rise : Run)
Scale: 1:3,000	PDF Print Date: 11/21/2024
Mapped by: m3odnmhg	
Additional Imagery info:	



Channel Features

- Channel Center Line
- Channel Toe
- ↔ Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18
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NOTES:

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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, NGA, EPA, USDA
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 20241007_CS_698P000_710P400; 20241119_AD_786P000_794P000

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

Dredging Reach Extent

Hydrographic Survey Extent

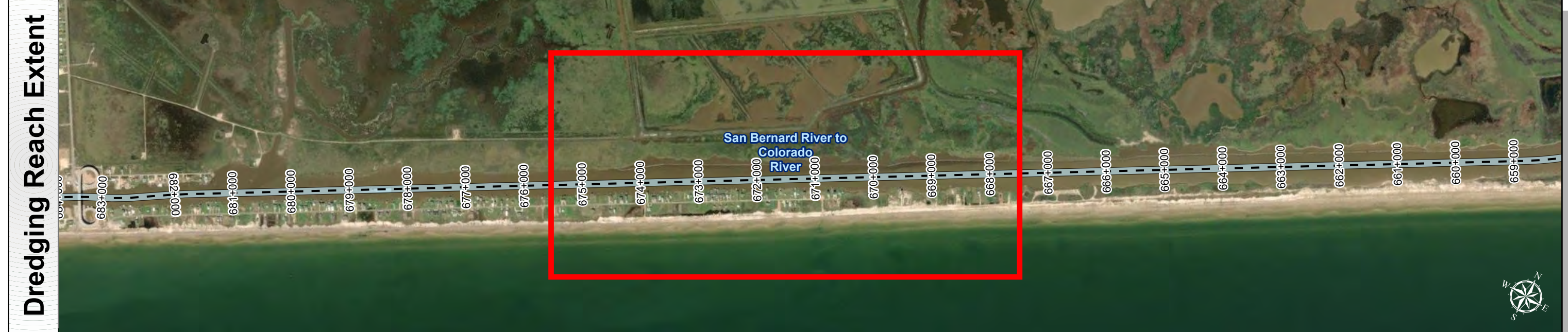
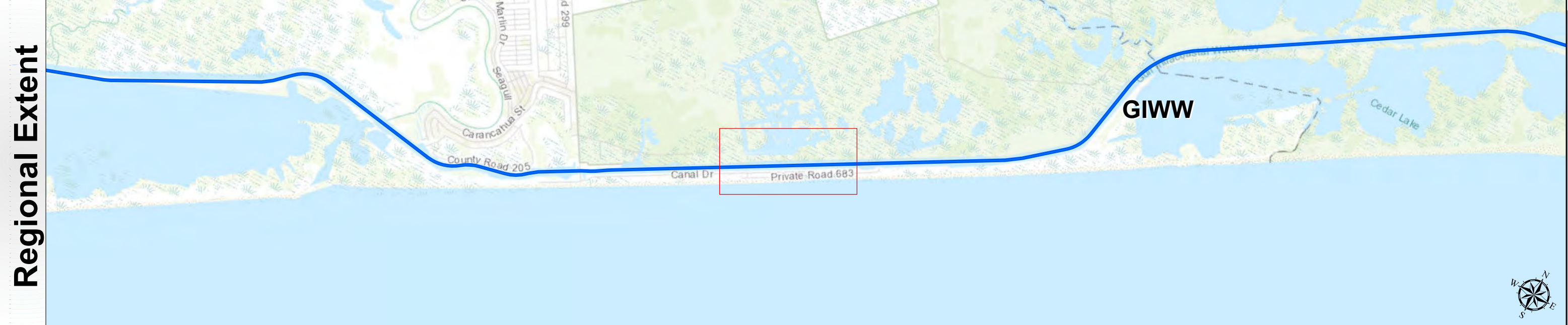
HYDROGRAPHIC SURVEY
 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 GALVESTON, TEXAS

Station: 614+000 to 805+000
 GIWW
 San Bernard River to Colorado River

Gulf Intracoastal Waterway: San Bernard River to Colorado River



U.S. Army Corps of Engineers
Galveston District



Channel Features

- Channel Center Line
- Channel Toe
- ↔ Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18
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World Imagery: Maxar
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

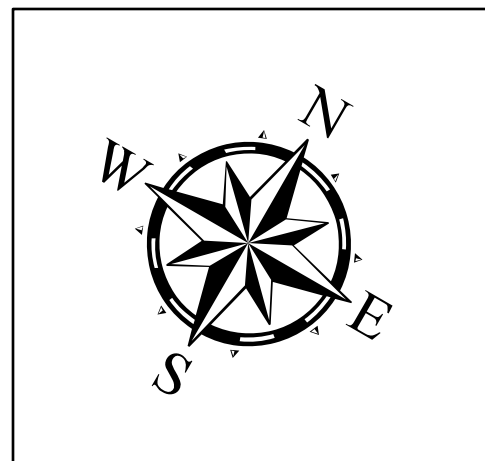
Additional Combined Survey Dates and Stationing:
 Combined surveys: 20240623; 20240710; 20240714; 20240906_BD_627P000_635P000;
 20241007_CS_698P000_710P400; 20241119_AD_786P000_794P000

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

Dredging Reach Extent

Hydrographic Survey Extent

Latest Survey Collection Date: 19 November 2024	Authorized Depth: -14ft.
Document Page: 8 of 25	Side Slope Ratio: (Rise : Run)
Scale: 1:3,000	PDF Print Date: 11/21/2024
Mapped by: m3odnmhg	
Additional Imagery info:	



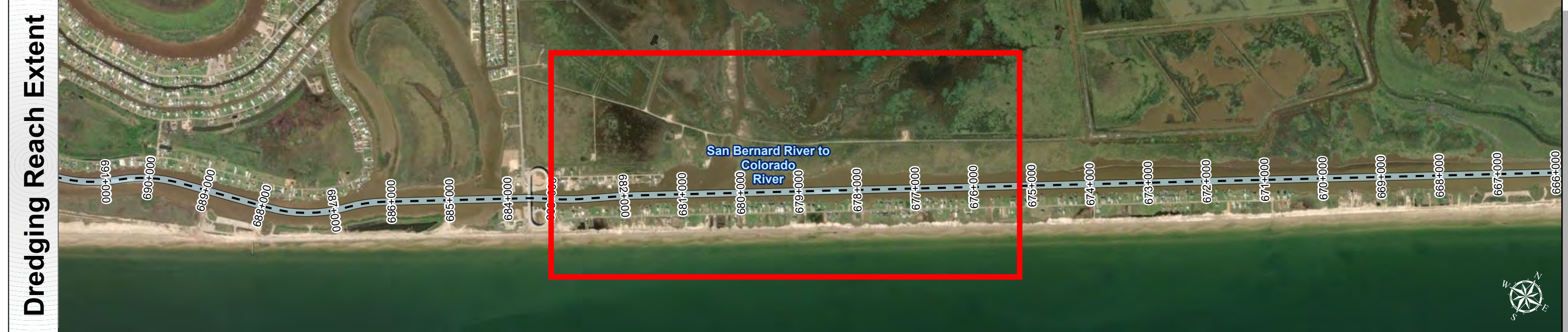
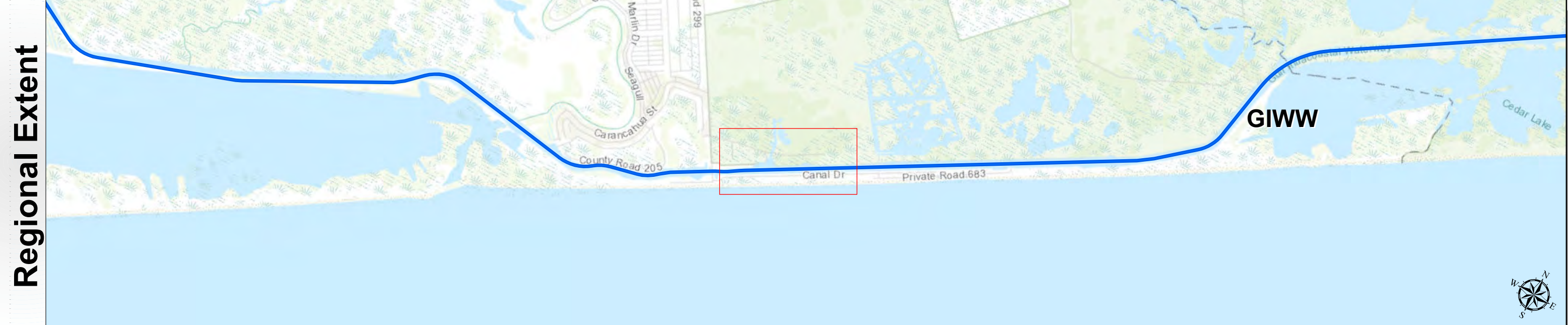
HYDROGRAPHIC SURVEY
 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 GALVESTON, TEXAS

Station: 614+000 to 805+000
 GIWW
 San Bernard River to Colorado River

Gulf Intracoastal Waterway: San Bernard River to Colorado River



U.S. Army Corps of Engineers
Galveston District



Channel Features

- Channel Center Line
- Channel Toe
- ↔ Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18
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NOTES:

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World Imagery: Maxar
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

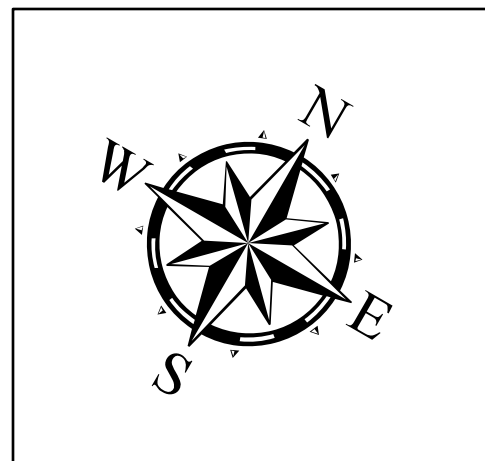
Additional Combined Survey Dates and Stationing:
 Combined surveys: 20240623; 20240710; 20240714; 20240906_BD_627P000_635P000;
 20241007_CS_698P000_710P400; 20241119_AD_786P000_794P000

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

Dredging Reach Extent

Hydrographic Survey Extent

Latest Survey Collection Date: 19 November 2024	Authorized Depth: -14ft.
Document Page: 9 of 25	Side Slope Ratio: (Rise : Run)
Scale: 1:3,000	PDF Print Date: 11/21/2024
Mapped by: m3odnmhg	
Additional Imagery info:	
Website Index Number: 99	



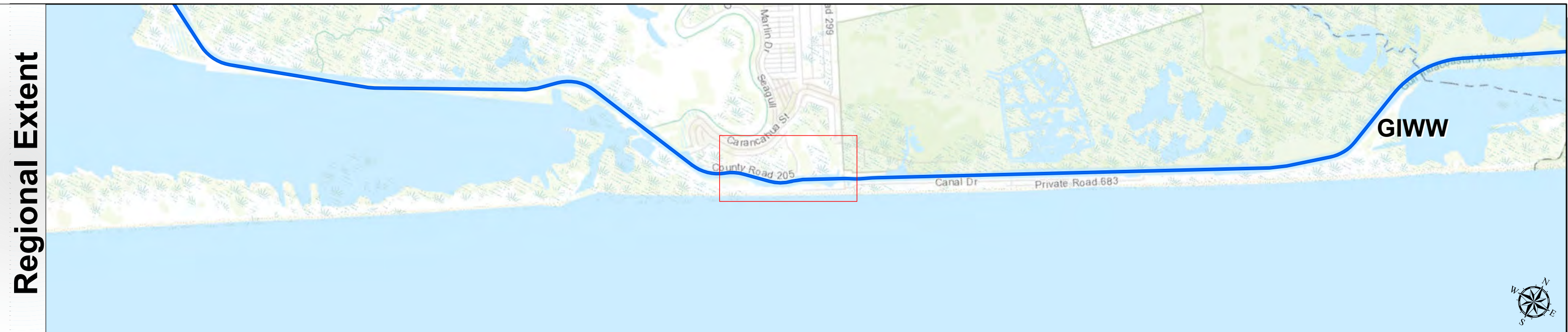
HYDROGRAPHIC SURVEY
 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 GALVESTON, TEXAS

Station: 614+000 to 805+000
 GIWW
 San Bernard River to Colorado River

Gulf Intracoastal Waterway: San Bernard River to Colorado River



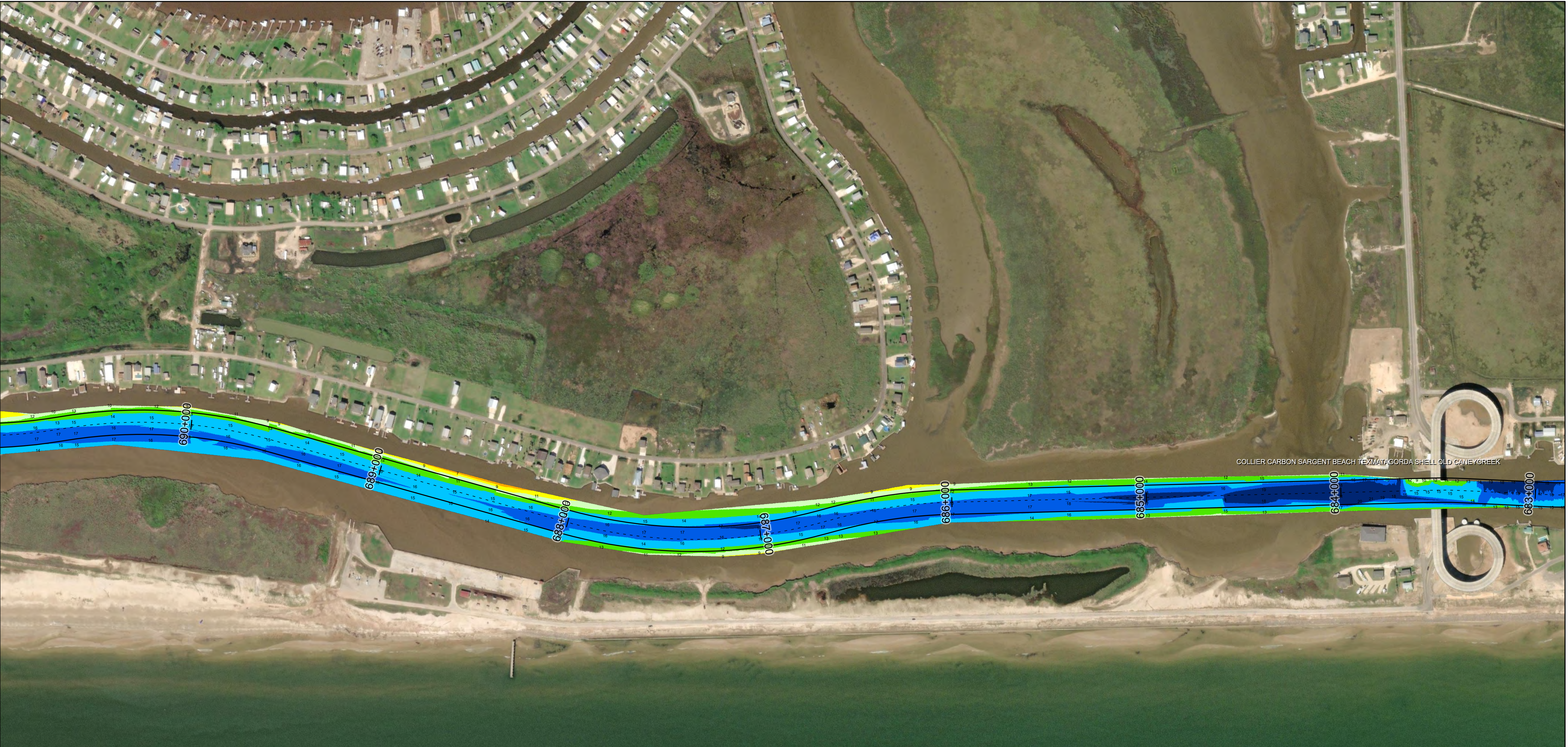
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



Channel Features

- Channel Center Line
- Channel Toe
- Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18
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NOTES:

- Horizontal coordinates are referenced to Texas State Plane Coordinate System, South Central Zone NAD83 US Survey Feet.
- Elevations are referenced to Mean Lower Low Water (MLLW) datum.
- 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 er1110-1-8132.
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- For the most up to date information please check our website at: <http://www.svg.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, World Ocean Base, Esri, GEBCO, Garmin, NaturalVue

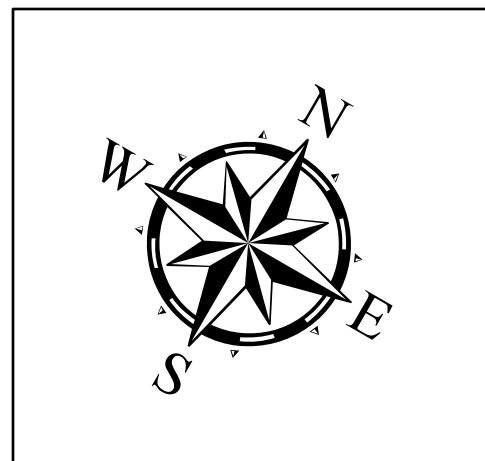
Additional Combined Survey Dates and Stationing:
 Combined surveys: 20240623; 20240710; 20240714; 20240906_BD_627P000_635P000; 20241007_CS_698P000_710P400; 20241119_AD_786P000_794P000

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

Dredging Reach Extent

Hydrographic Survey Extent

Latest Survey Collection Date: 19 November 2024	Authorized Depth: -14ft.
Document Page: 10 of 25	Side Slope Ratio: (Rise : Run)
Scale: 1:3,000	PDF Print Date: 11/21/2024
Mapped by: m3odnmhg	
Additional Imagery info:	



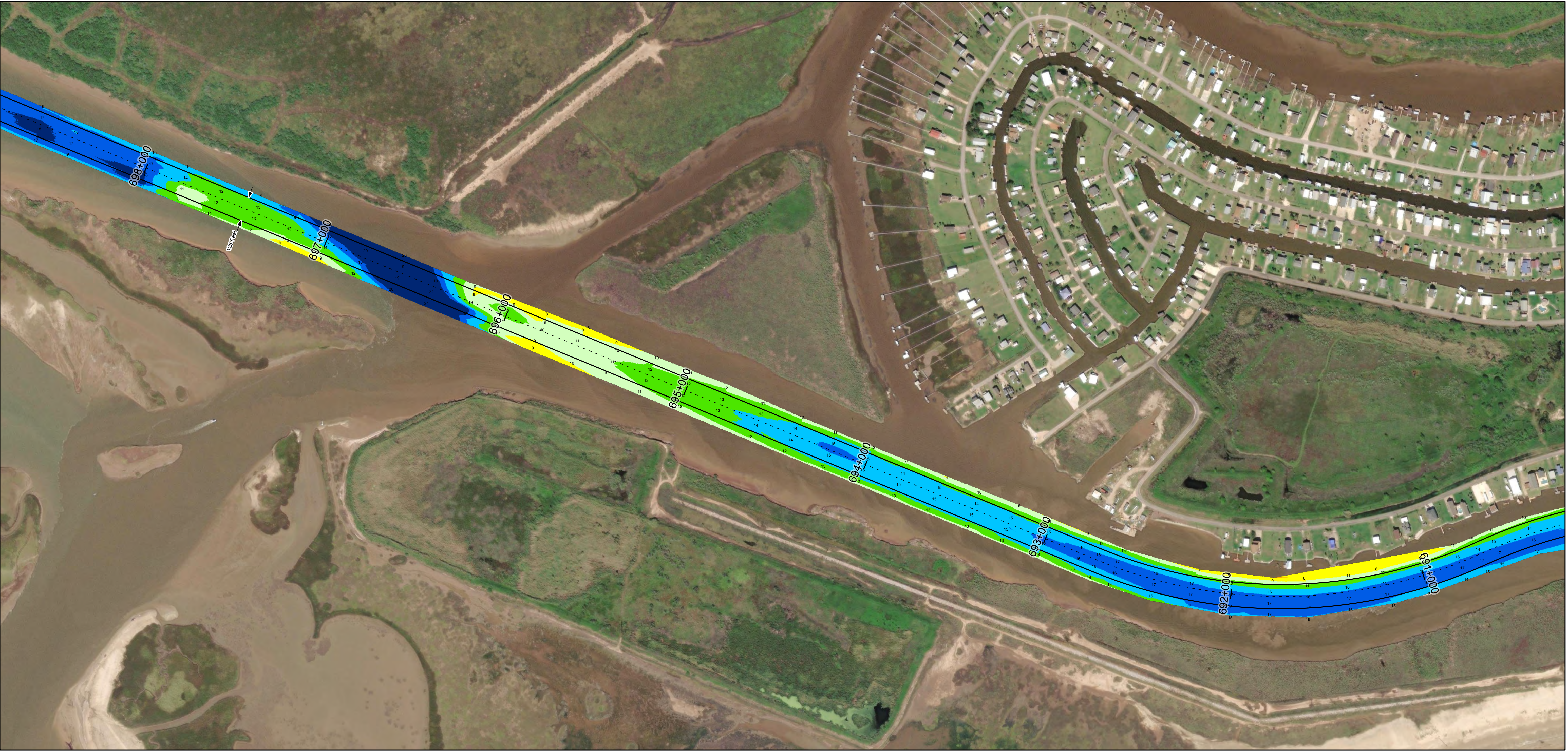
HYDROGRAPHIC SURVEY
 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 GALVESTON, TEXAS

Station: 614+000 to 805+000
 GIWW
 San Bernard River to Colorado River

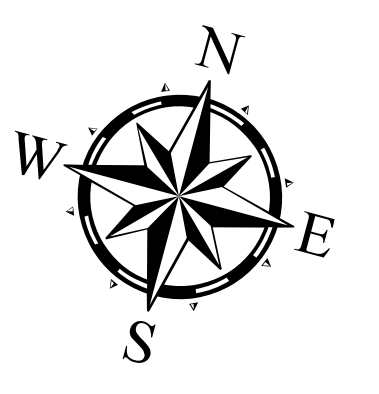
Gulf Intracoastal Waterway: San Bernard River to Colorado River



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 19 November 2024	Authorized Depth: -14ft.
Document Page: 11 of 25	Side Slope Ratio: (Rise : Run)
Scale: 1:3,000	PDF Print Date: 11/21/2024
Mapped by: m3odnmhg	
Additional Imagery info:	



Channel Features

- Channel Center Line
- Channel Toe
- Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

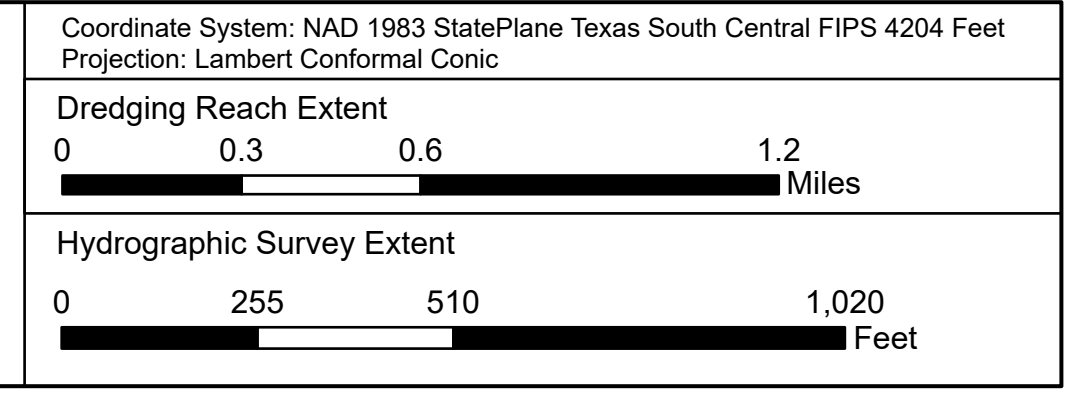
0 - 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18
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NOTES:

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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, NGA, EPA, USDA
World Imagery: Maxar
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:
 Combined surveys: 20240623; 20240710; 20240714; 20240906_BD_627P000_635P000;
 20241007_CS_698P000_710P400; 20241119_AD_786P000_794P000



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

Station: 614+000 to 805+000
 GIWW
 San Bernard River to Colorado River

Gulf Intracoastal Waterway: San Bernard River to Colorado River



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 19 November 2024	Authorized Depth: -14ft.
Document Page: 12 of 25	Side Slope Ratio: (Rise : Run)
Scale: 1:3,000	PDF Print Date: 11/21/2024
Mapped by: m3odnmhg	
Additional Imagery info:	



Channel Features

- Channel Center Line
- Channel Toe
- Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18
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NOTES:

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World Imagery: Maxar
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

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 Combined surveys: 20240623; 20240710; 20240714; 20240906_BD_627P000_635P000;
 20241007_CS_698P000_710P400; 20241119_AD_786P000_794P000

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

Dredging Reach Extent

Hydrographic Survey Extent

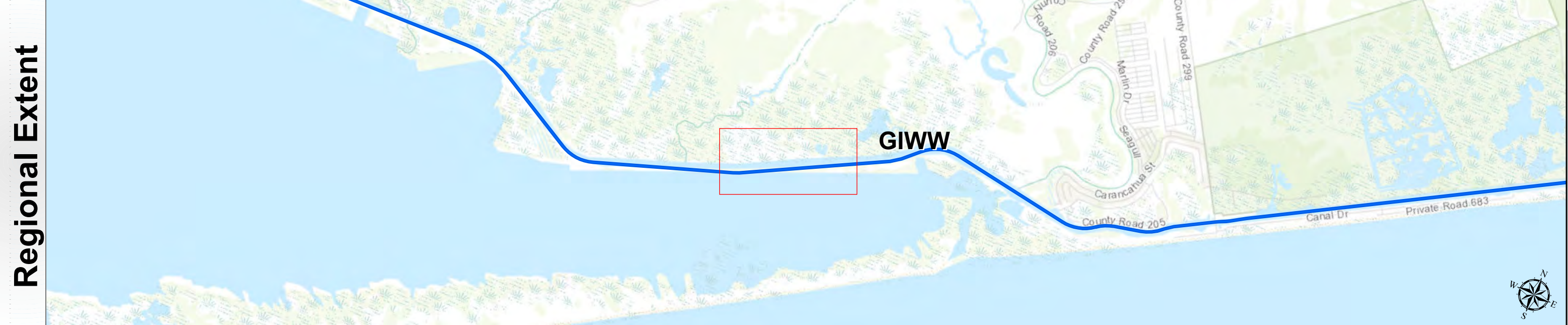
HYDROGRAPHIC SURVEY
 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 GALVESTON, TEXAS

Station: 614+000 to 805+000
 GIWW
 San Bernard River to Colorado River

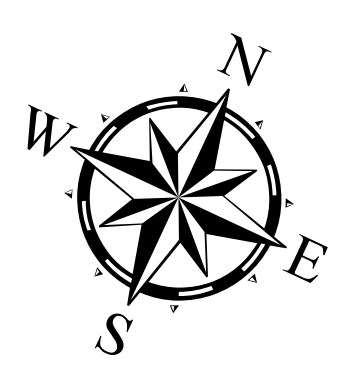
Gulf Intracoastal Waterway: San Bernard River to Colorado River



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 19 November, 2024	Authorized Depth: -14ft.
Document Page: 13 of 25	Side Slope Ratio: (Rise : Run)
Scale: 1:3,000	PDF Print Date: 11/21/2024
Mapped by: m3odnmhg	
Additional Imagery info:	



Channel Features

- Channel Center Line
- Channel Toe
- ↔ Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18
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World Imagery, Maxar
World Ocean Base, Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:
 Combined surveys: 20240623; 20240710; 20240714; 20240906_BD_627P000_635P000;
 20241007_CS_698P000_710P400; 20241119_AD_786P000_794P000

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

Dredging Reach Extent

Hydrographic Survey Extent

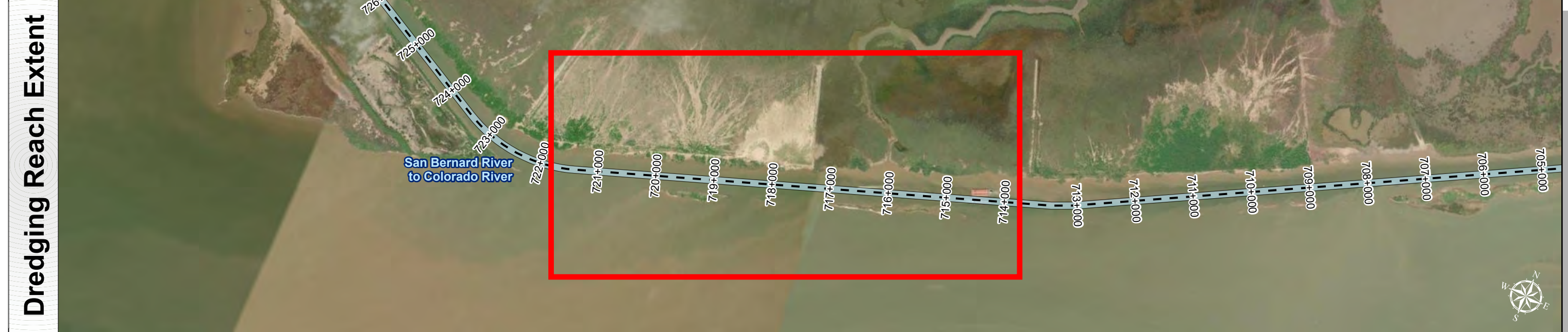
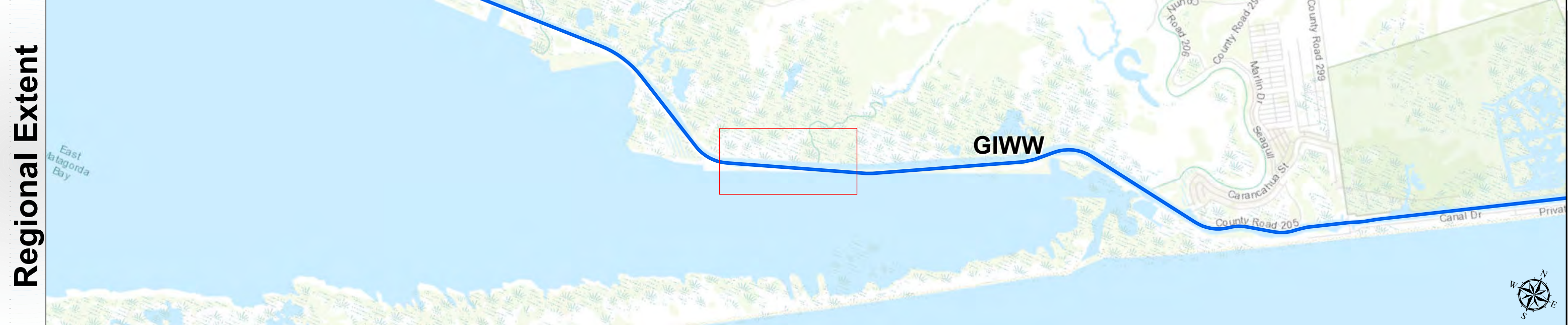
HYDROGRAPHIC SURVEY
 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 GALVESTON, TEXAS

Station: 614+000 to 805+000
 GIWW
 San Bernard River to Colorado River

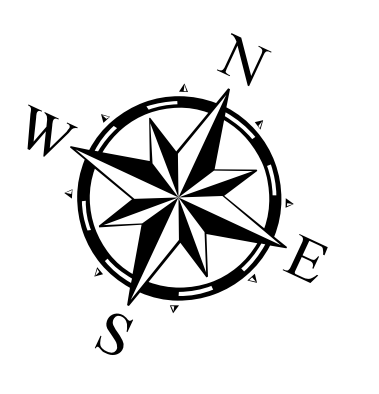
Gulf Intracoastal Waterway: San Bernard River to Colorado River



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 19 November 2024	Authorized Depth: -14ft.
Document Page: 14 of 25	Side Slope Ratio: (Rise : Run)
Scale: 1:3,000	PDF Print Date: 11/21/2024
Mapped by: m3odnmhg	
Additional Imagery info:	



Channel Features

- Channel Center Line
- Channel Toe
- ↔ Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18
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NOTES:

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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, NGA, EPA, USDA
World Imagery: Maxar
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:
 Combined surveys: 20240623; 20240710; 20240714; 20240906_BD_627P000_635P000;
 20241007_CS_698P000_710P400; 20241119_AD_786P000_794P000

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

Dredging Reach Extent

Hydrographic Survey Extent

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

Station: 614+000 to 805+000
 GIWW
 San Bernard River to Colorado River

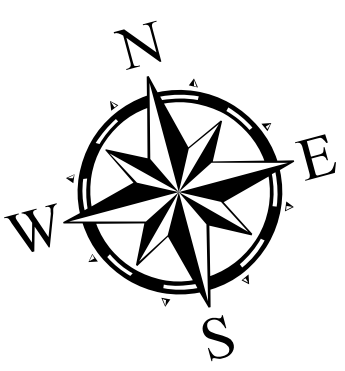
Gulf Intracoastal Waterway: San Bernard River to Colorado River



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 19 November 2024	Authorized Depth: -14ft.
Document Page: 15 of 25	Side Slope Ratio: (Rise : Run)
Scale: 1:3,000	PDF Print Date: 11/21/2024
Mapped by: m3odnmhg	
Additional Imagery info:	



Channel Features

- Channel Center Line
- Channel Toe
- ↔ Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18
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NOTES:

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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, NGA, EPA, USDA
World Imagery: Maxar
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:
 Combined surveys: 20240623; 20240710; 20240714; 20240906_BD_627P000_635P000;
 20241007_CS_698P000_710P400; 20241119_AD_786P000_794P000

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

Dredging Reach Extent

Hydrographic Survey Extent

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

Station: 614+000 to 805+000
 GIWW
 San Bernard River to Colorado River

Gulf Intracoastal Waterway: San Bernard River to Colorado River



U.S. Army Corps of Engineers
Galveston District



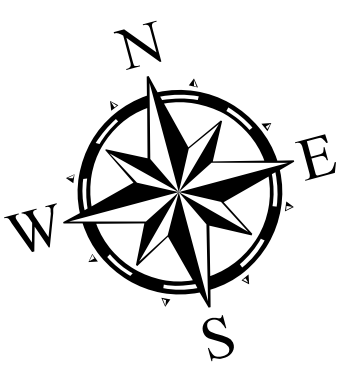
Regional Extent



Dredging Reach Extent



Latest Survey Collection Date: 19 November, 2024	Authorized Depth: -14ft.
Document Page: 16 of 25	Side Slope Ratio: (Rise : Run)
Scale: 1:3,200	PDF Print Date: 11/21/2024
Mapped by: m3odnmhg	
Additional Imagery info:	
Website Index Number: 106	



Channel Features	Aids to Navigation	MLLW
<ul style="list-style-type: none"> Channel Center Line Channel Toe Channel Dimensions 	<ul style="list-style-type: none"> Green Side Aids Red Side Aids Lights 	<ul style="list-style-type: none"> 0 - 4 4 - 6 6 - 8 8 - 10 10 - 12 12 - 14 14 - 16 16 - 18 < 18

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 Water (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 er1110-4132.
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 Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, NGA, EPA, USDA
 World Imagery: Maxar
 World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:
 Combined surveys: 20240623; 20240710; 20240714; 20240906_BD_627P000_635P000;
 20241007_CS_698P000_710P400; 20241119_AD_786P000_794P000

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

Dredging Reach Extent
 0 0.33 0.65 1.3 Miles

Hydrographic Survey Extent
 0 275 550 1,100 Feet

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

Station: 614+000 to 805+000
 GIWW
 San Bernard River to Colorado River

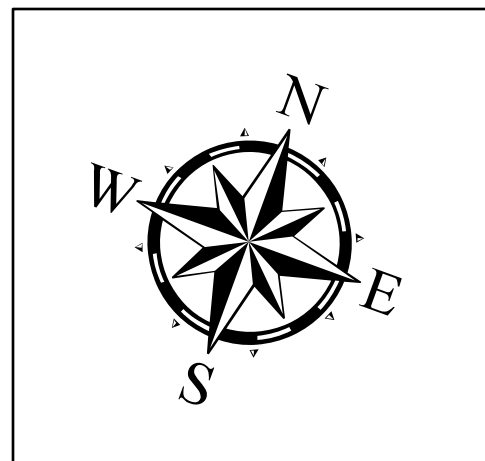
Gulf Intracoastal Waterway: San Bernard River to Colorado River



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 19 November 2024	Authorized Depth: -14ft.
Document Page: 17 of 25	Side Slope Ratio: (Rise : Run)
Scale: 1:3,200	PDF Print Date: 11/21/2024
Mapped by: m3odnmhg	
Additional Imagery info:	



Channel Features

- Channel Center Line
- Channel Toe
- ↔ Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18
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NOTES:

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 20241007_CS_698P000_710P400; 20241119_AD_786P000_794P000

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

Dredging Reach Extent

Hydrographic Survey Extent

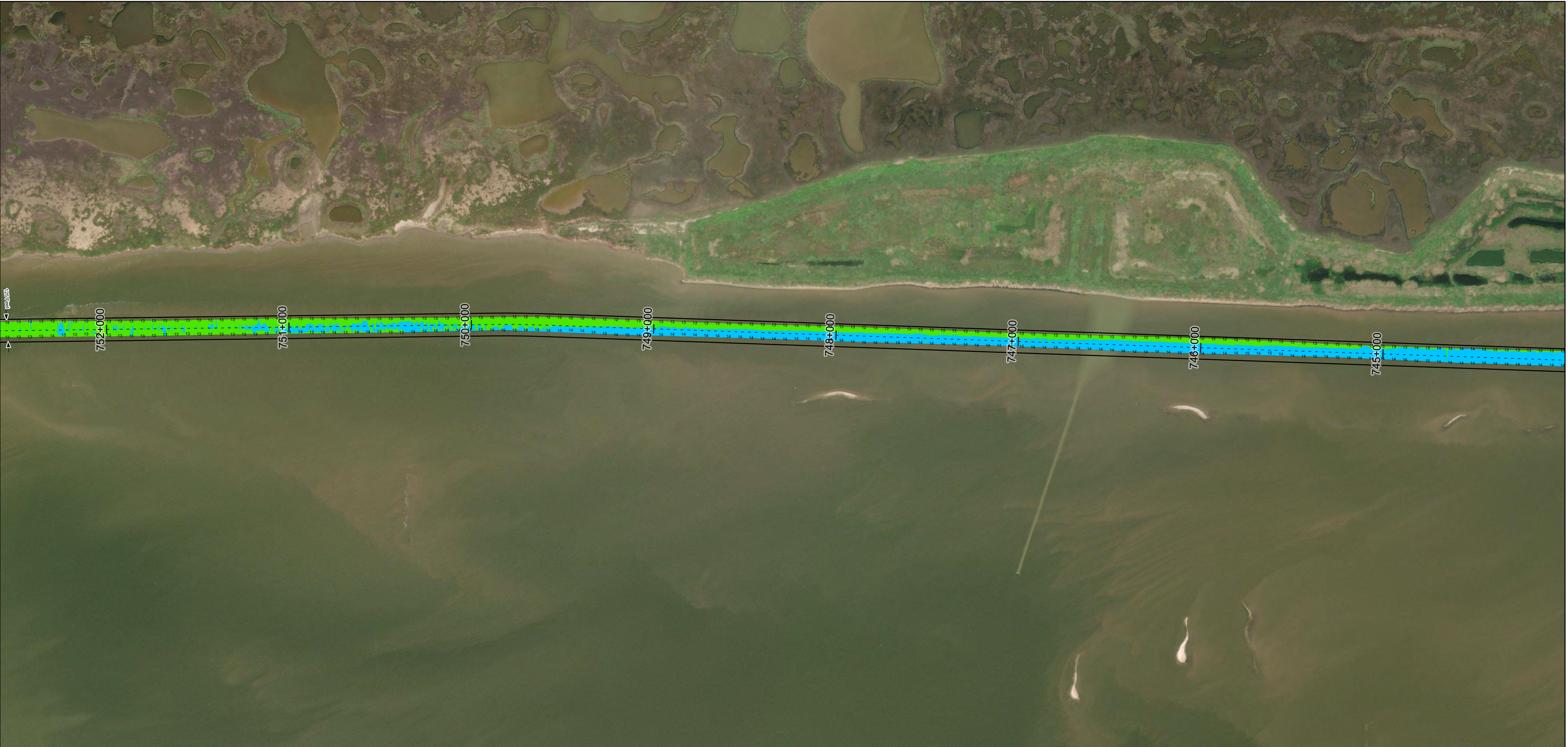
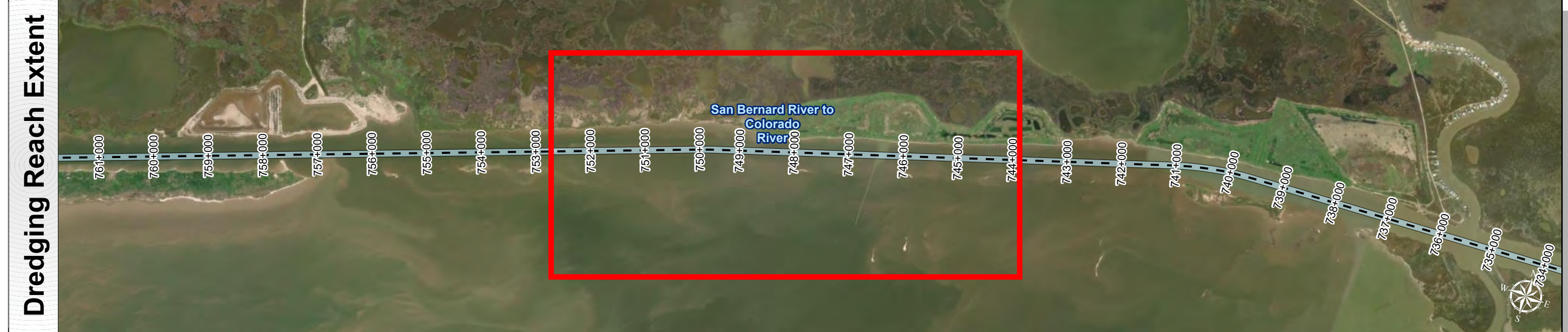
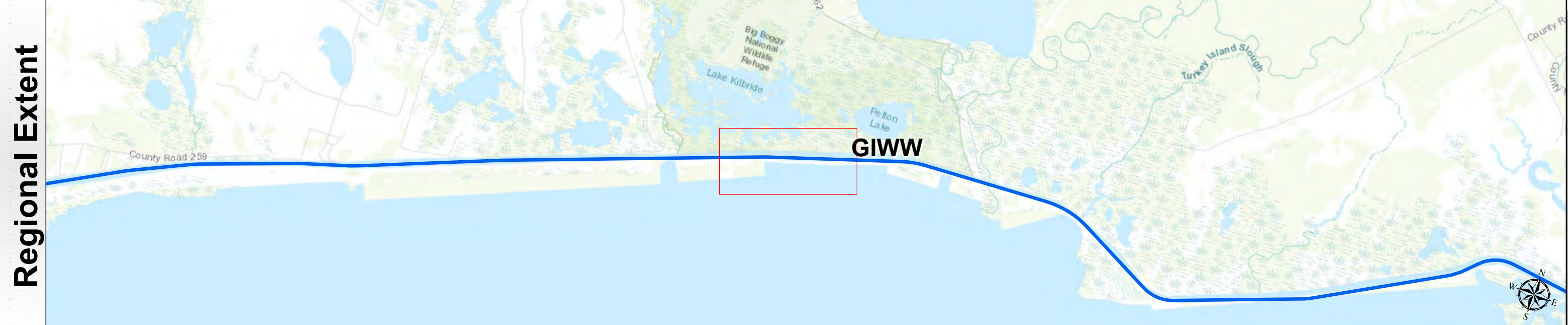
HYDROGRAPHIC SURVEY
 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 GALVESTON, TEXAS

Station: 614+000 to 805+000
 GIWW
 San Bernard River to Colorado River

Gulf Intracoastal Waterway: San Bernard River to Colorado River



U.S. Army Corps of Engineers
Galveston District



Channel Features

- Channel Center Line
- Channel Toe
- ↔ Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18
-------	-------	-------	--------	---------	---------	---------	---------	------

NOTES:

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 20241007_CS_698P000_710P400; 20241119_AD_786P000_794P000

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

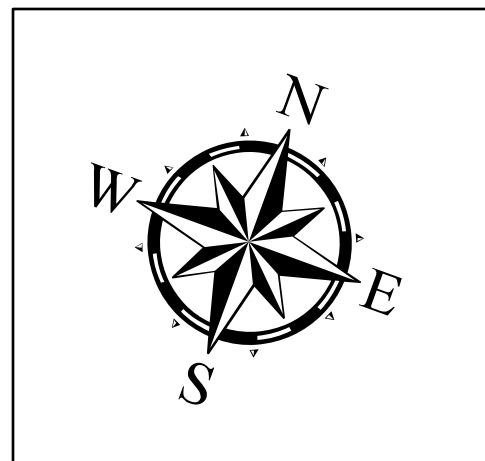
Dredging Reach Extent

0 0.33 0.65 1.3 Miles

Hydrographic Survey Extent

0 275 550 1,100 Feet

Latest Survey Collection Date: 19 November 2024	Authorized Depth: -14ft.
Document Page: 18 of 25	Side Slope Ratio: (Rise : Run)
Scale: 1:3,200	PDF Print Date: 11/21/2024
Mapped by: m3odnmhg	
Additional Imagery info:	



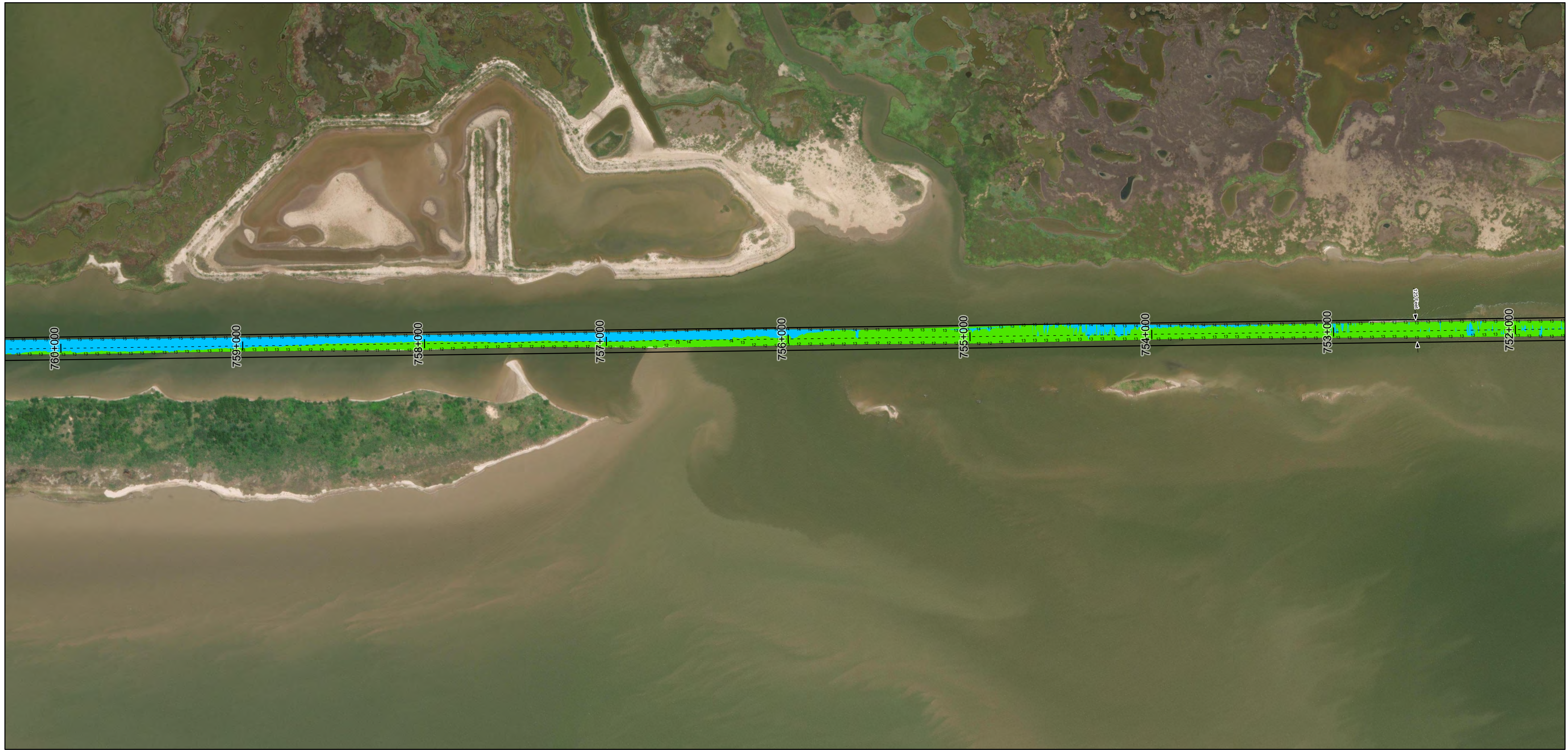
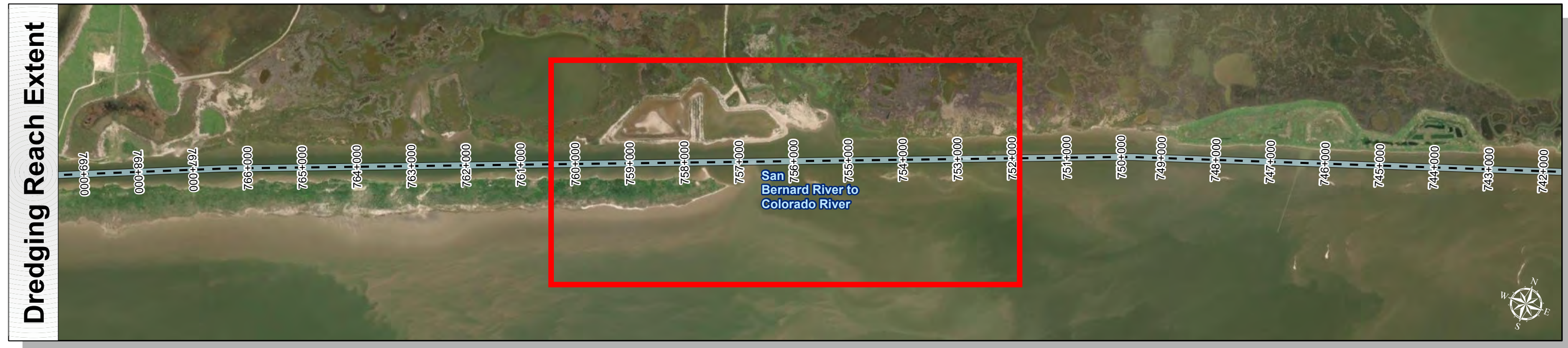
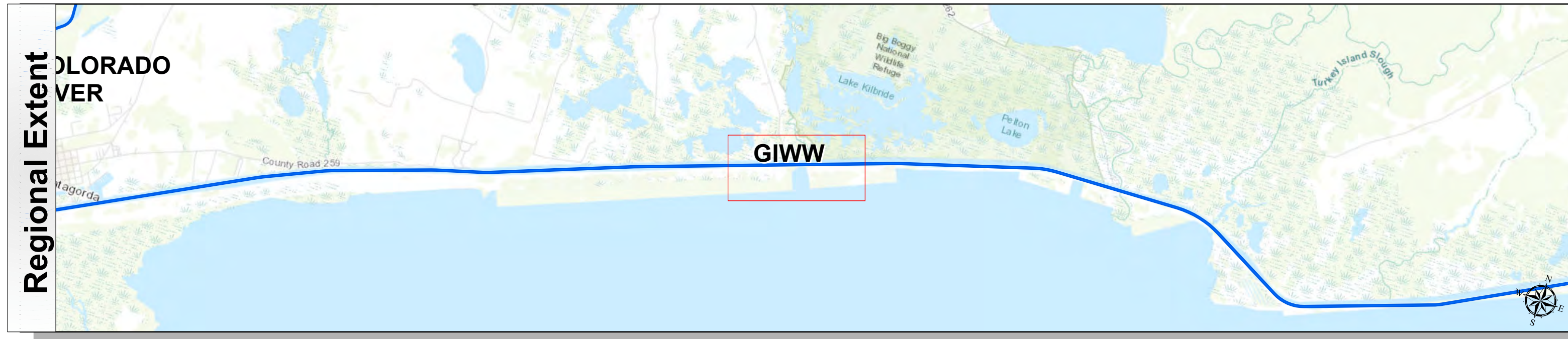
HYDROGRAPHIC SURVEY
 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 GALVESTON, TEXAS

Station: 614+000 to 805+000
 GIWW
 San Bernard River to Colorado River

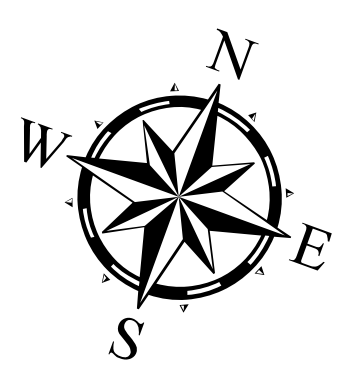
Gulf Intracoastal Waterway: San Bernard River to Colorado River



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 19 November 2024	Authorized Depth: -14ft.
Document Page: 19 of 25	Side Slope Ratio: (Rise : Run)
Scale: 1:3,200	PDF Print Date: 11/21/2024
Mapped by: m3odnmhg	
Additional Imagery info:	



Channel Features	Aids to Navigation	MLLW
<ul style="list-style-type: none"> Channel Center Line Channel Toe Channel Dimensions 	<ul style="list-style-type: none"> Green Side Aids Red Side Aids Lights 	<ul style="list-style-type: none"> 0 - 4 4 - 6 6 - 8 8 - 10 10 - 12 12 - 14 14 - 16 16 - 18 < 18

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 Water (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 er1110.1-8132.
 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.svg.usace.army.mil/Missions/Navigation/HydrographicSurveys/>
 Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, NGA, EPA, USDA
 World Imagery: Maxar
 World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:
 Combined surveys: 20240623; 20240710; 20240714; 20240906_BD_627P000_635P000;
 20241007_CS_698P000_710P400; 20241119_AD_786P000_794P000

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

Dredging Reach Extent
 0 0.33 0.65 1.3 Miles

Hydrographic Survey Extent
 0 275 550 1,100 Feet

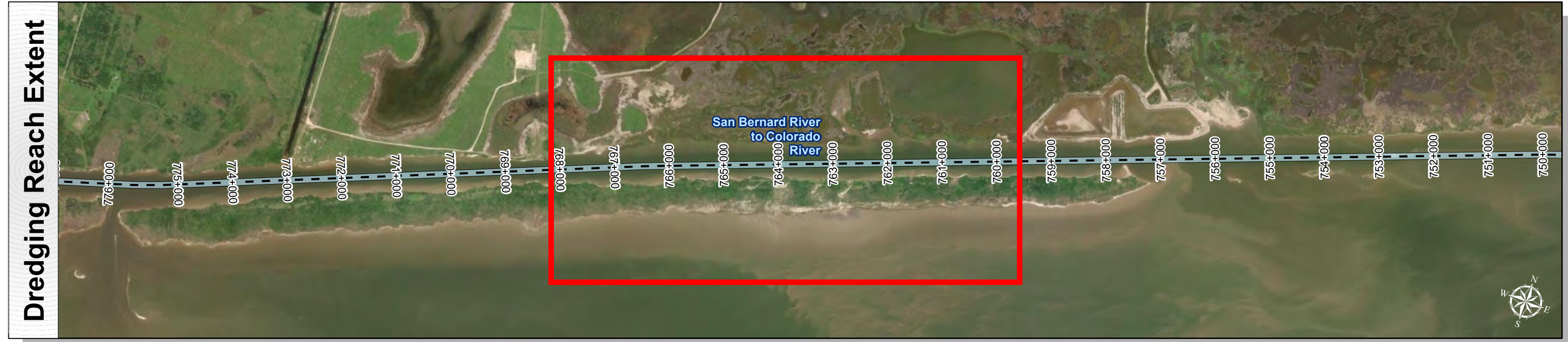
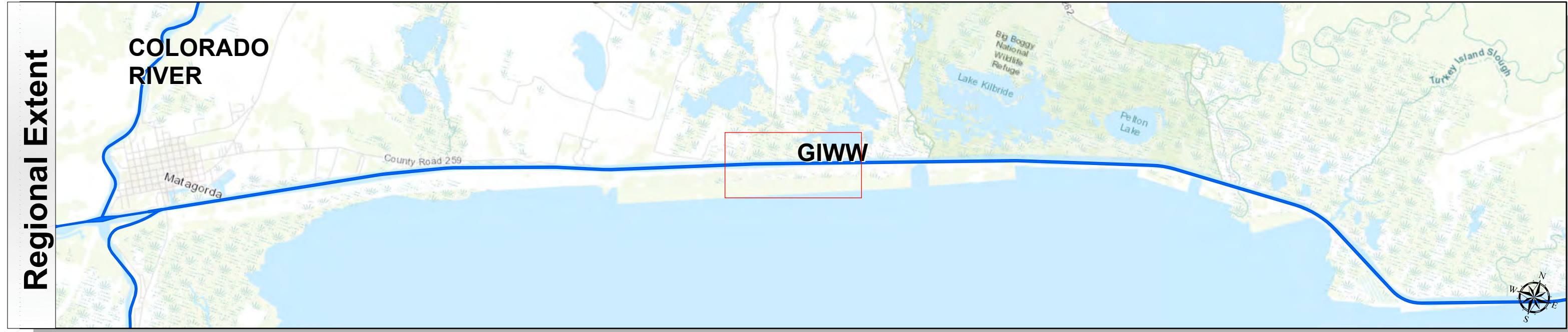
HYDROGRAPHIC SURVEY
 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 GALVESTON, TEXAS

Station: 614+000 to 805+000
 GIWW
 San Bernard River to Colorado River

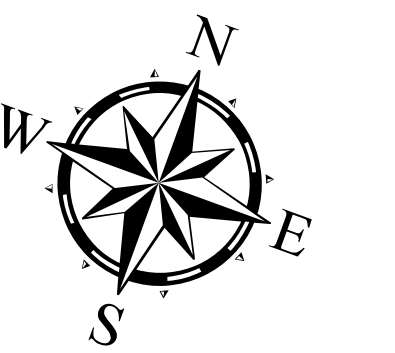
Gulf Intracoastal Waterway: San Bernard River to Colorado River



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 19 November 2024	Authorized Depth: -14ft.
Document Page: 20 of 25	Side Slope Ratio: (Rise : Run)
Scale: 1:3,200	PDF Print Date: 11/21/2024
Mapped by: m3odnmhg	
Additional Imagery info:	



Channel Features

- Channel Center Line
- Channel Toe
- ↔ Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18
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NOTES:

- Horizontal coordinates are referenced to Texas State Plane Coordinate System, South Central Zone NAD83 US Survey Feet.
- Elevations are referenced to Mean Lower Low Water (MLLW) datum.
- 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 47 CFR 111.15-18.152.
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- For the most up to date information please check our website at: <http://www.svg.usace.army.mil/Missions/Navigation/HydrographicSurveys/>

Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, NGA, EPA, USDA
World Imagery: Maxar
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:
 Combined surveys: 20240623; 20240710; 20240714; 20240906_BD_627P000_635P000;
 20241007_CS_698P000_710P400; 20241119_AD_786P000_794P000

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

Dredging Reach Extent

0 0.33 0.65 1.3 Miles

Hydrographic Survey Extent

0 275 550 1,100 Feet

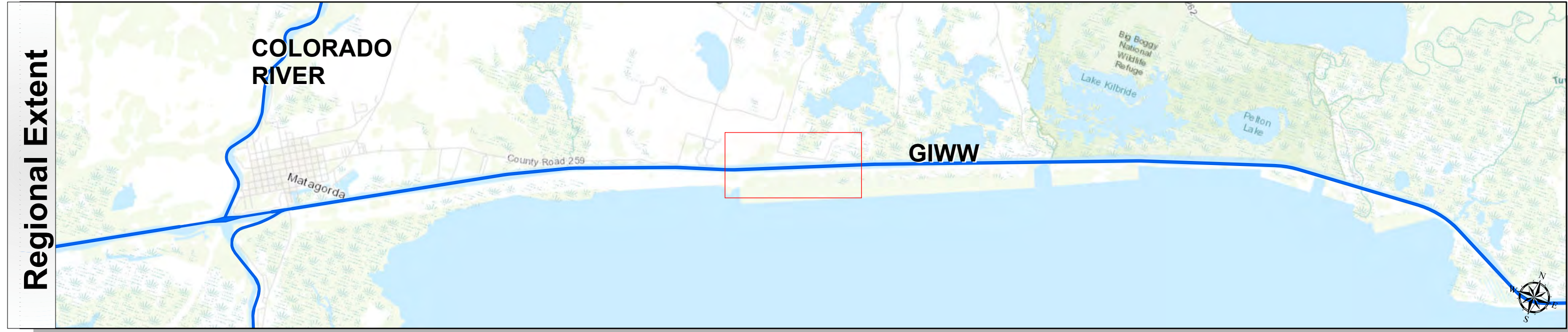
HYDROGRAPHIC SURVEY
 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 GALVESTON, TEXAS

Station: 614+000 to 805+000
 GIWW
 San Bernard River to Colorado River

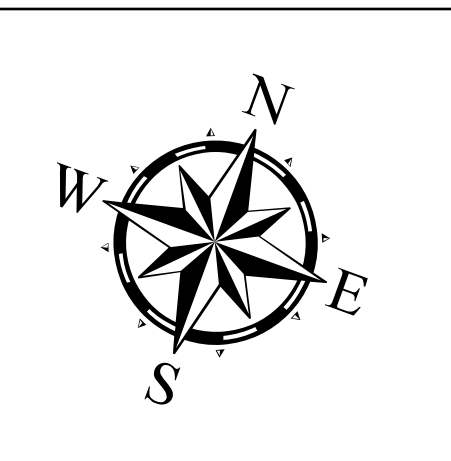
Gulf Intracoastal Waterway: San Bernard River to Colorado River



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 19 November 2024	Authorized Depth: -14ft.
Document Page: 21 of 25	Side Slope Ratio: (Rise : Run)
Scale: 1:3,200	PDF Print Date: 11/21/2024
Mapped by: m3odnmhg	
Additional Imagery info:	



Channel Features

- Channel Center Line
- Channel Toe
- Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18
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NOTES:

- Horizontal coordinates are referenced to Texas State Plane Coordinate System, South Central Zone NAD83 US Survey Feet.
- Elevations are referenced to Mean Lower Low Water (MLLW) datum.
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World Imagery: Maxar
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:

Combined surveys: 20240623; 20240710; 20240714; 20240906_BD_627P000_635P000; 20241007_CS_698P000_710P400; 20241119_AD_786P000_794P000

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

Dredging Reach Extent

0 0.33 0.65 1.3 Miles

Hydrographic Survey Extent

0 275 550 1,100 Feet

HYDROGRAPHIC SURVEY

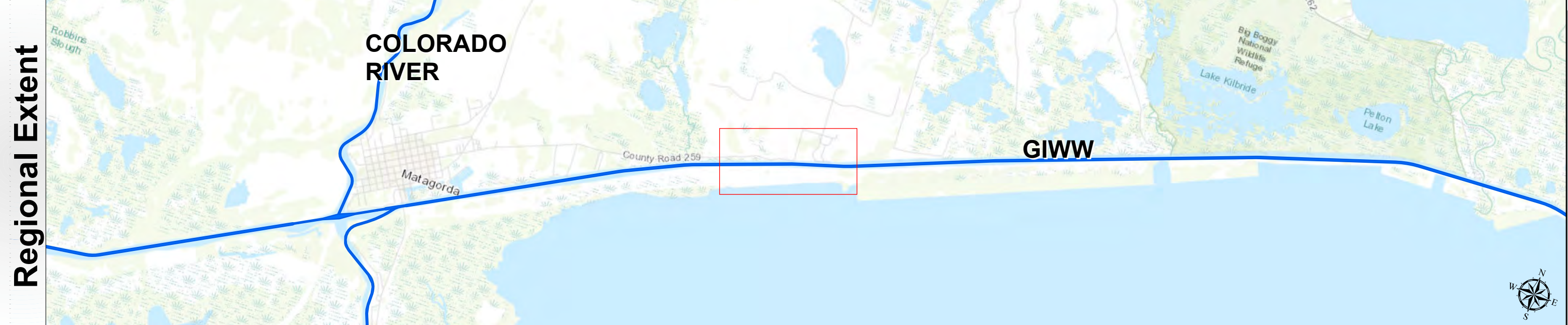
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 614+000 to 805+000
GIWW
San Bernard River to Colorado River

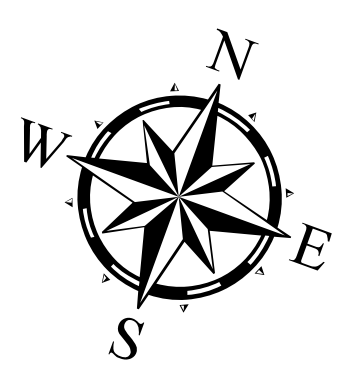
Gulf Intracoastal Waterway: San Bernard River to Colorado River



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 19 November 2024	Authorized Depth: -14ft.
Document Page: 22 of 25	Side Slope Ratio: (Rise : Run)
Scale: 1:3,200	PDF Print Date: 11/21/2024
Mapped by: m3odnmhg	
Additional Imagery info:	



Channel Features

- Channel Center Line
- Channel Toe
- ↔ Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18
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NOTES:

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 20241007_CS_698P000_710P400; 20241119_AD_786P000_794P000

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

Dredging Reach Extent

Hydrographic Survey Extent

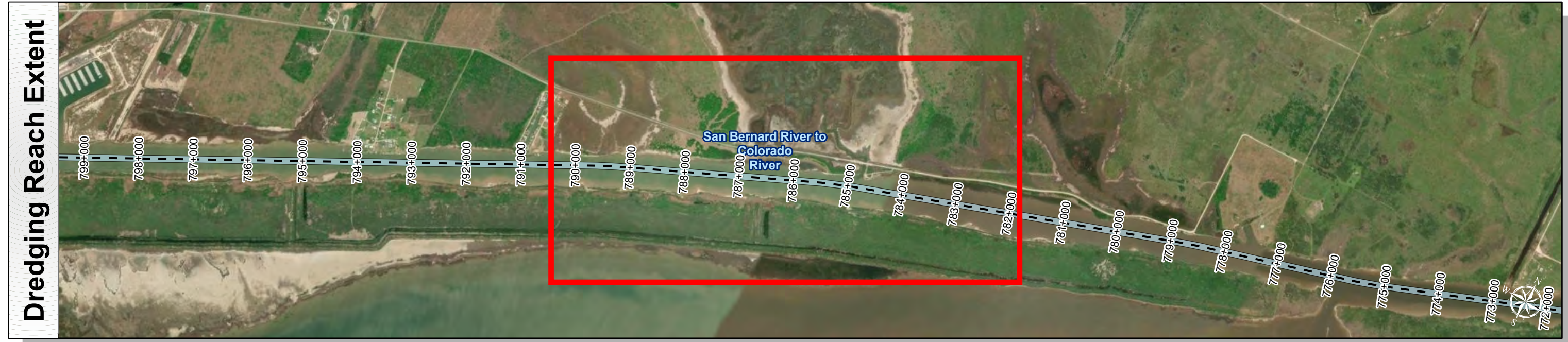
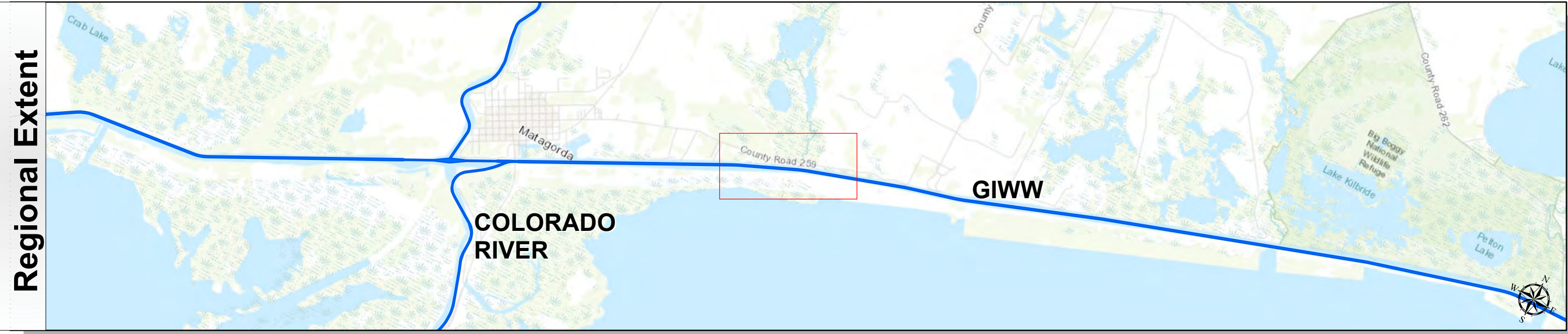
HYDROGRAPHIC SURVEY
 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 GALVESTON, TEXAS

Station: 614+000 to 805+000
 GIWW
 San Bernard River to Colorado River

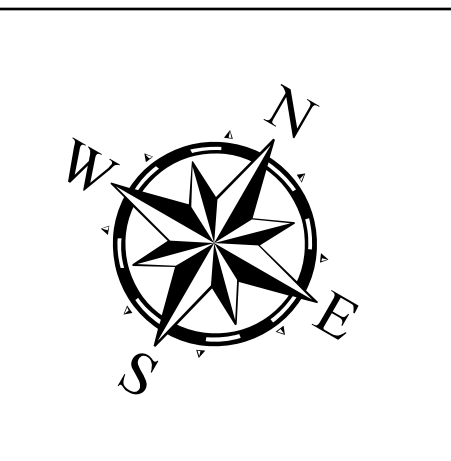
Gulf Intracoastal Waterway: San Bernard River to Colorado River



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 19 November 2024	Authorized Depth: -14ft.
Document Page: 23 of 25	Side Slope Ratio: (Rise : Run)
Scale: 1:3,200	PDF Print Date: 11/21/2024
Mapped by: m3odrmhg	
Additional Imagery info:	



Channel Features	Aids to Navigation
Channel Center Line	Green Side Aids
Channel Toe	Red Side Aids
Channel Dimensions	Lights

MLLW
0 - 4
4 - 6
6 - 8
8 - 10
10 - 12
12 - 14
14 - 16
16 - 18
< 18

NOTES:
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 World Imagery: Maxar
 World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

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 20241007_CS_698P000_710P400; 20241119_AD_786P000_794P000

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

Dredging Reach Extent
 0 0.33 0.65 1.3 Miles

Hydrographic Survey Extent
 0 275 550 1,100 Feet

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

Station: 614+000 to 805+000
 GIWW
 San Bernard River to Colorado River

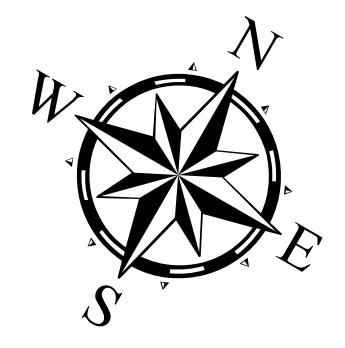
Gulf Intracoastal Waterway: San Bernard River to Colorado River



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 19 November, 2024	Authorized Depth: -14ft.
Document Page: 24 of 25	Side Slope Ratio: (Rise : Run)
Scale: 1:3,200	PDF Print Date: 11/21/2024
Mapped by: m3odnmhg	
Additional Imagery info:	



Channel Features

- Channel Center Line
- Channel Toe
- Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18
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NOTES:

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 20241007_CS_698P000_710P400; 20241119_AD_786P000_794P000

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

Dredging Reach Extent

Hydrographic Survey Extent

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

Station: 614+000 to 805+000
 GIWW
 San Bernard River to Colorado River

Gulf Intracoastal Waterway: San Bernard River to Colorado River



U.S. Army Corps of Engineers
Galveston District



Channel Features

- Channel Center Line
- Channel Toe
- Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

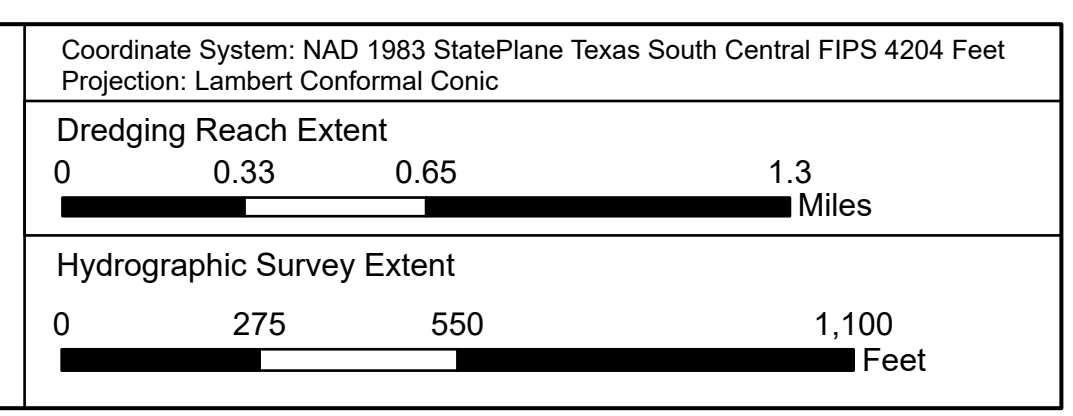
0 - 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18
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NOTES:

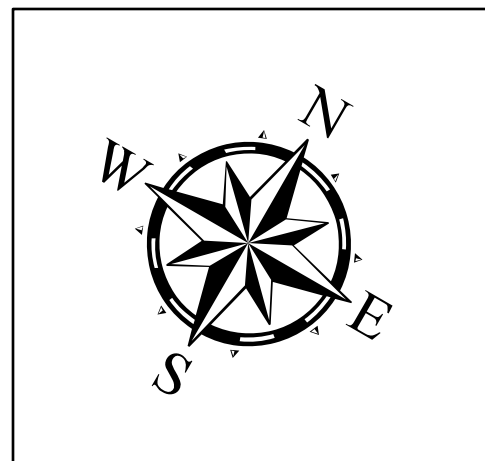
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World Imagery: Maxar
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Latest Survey Collection Date: 19 November 2024	Authorized Depth: -14ft.
Document Page: 25 of 25	Side Slope Ratio: (Rise : Run)
Scale: 1:3,200	Website Index Number: 115
Mapped by: m3odnmhg	PDF Print Date: 11/21/2024
Additional Imagery info:	



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

Station: 614+000 to 805+000
 GIWW
 San Bernard River to Colorado River