

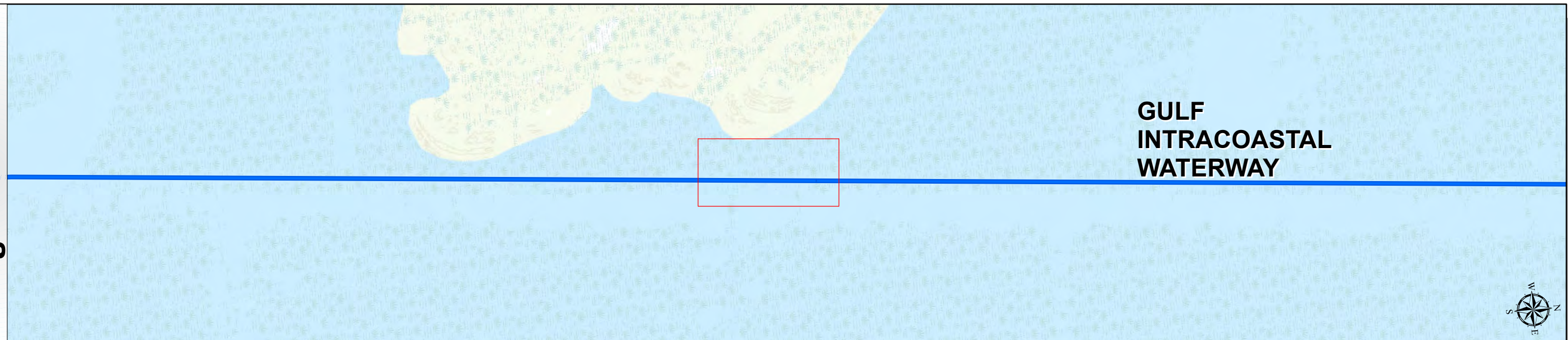
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



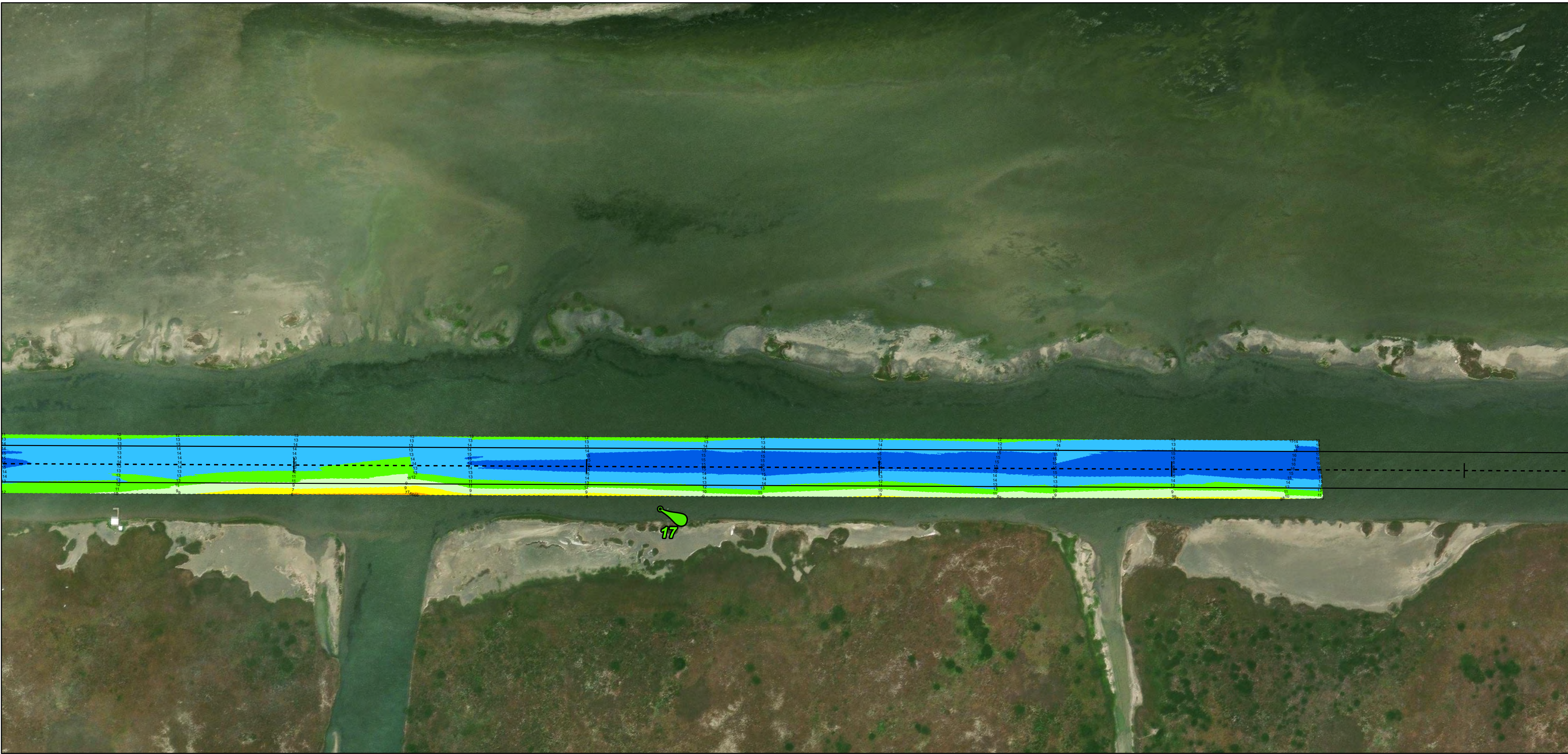
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



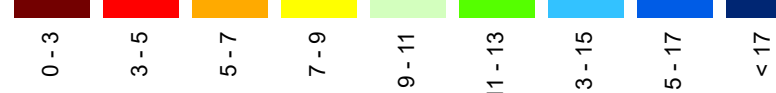
Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

LWD



NOTES:

- Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
 - Elevations are referenced to low water depth (LWD) datum.
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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, Microsoft
World Imagery: Maxar
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:

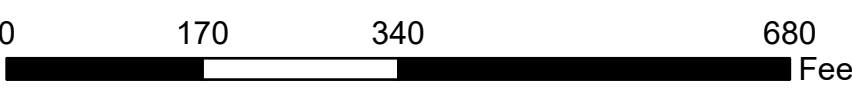
Combined survey dates 20230307_CS; 20231221_AD_06_1728P000_1734P000;
20240104_AD_05_1710P000_1718P000

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent



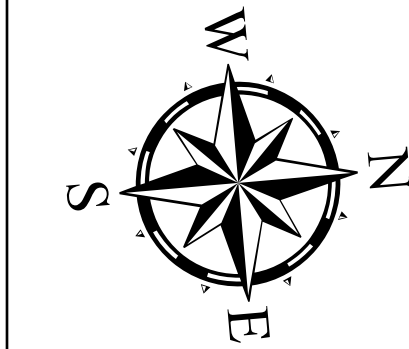
Hydrographic Survey Extent



HYDROGRAPHIC SURVEY

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

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield



Latest Survey Collection Date: 04 January 2023

Document Page: 1 of 30

Website Index Number: 270

Scale: 1:2,000

Mapped by: M3AOXPAC

Additional Imagery info:

Authorized Depth: -13ft.

Side Slope Ratio: (Rise : Run)

PDF Print Date: 1/9/2024

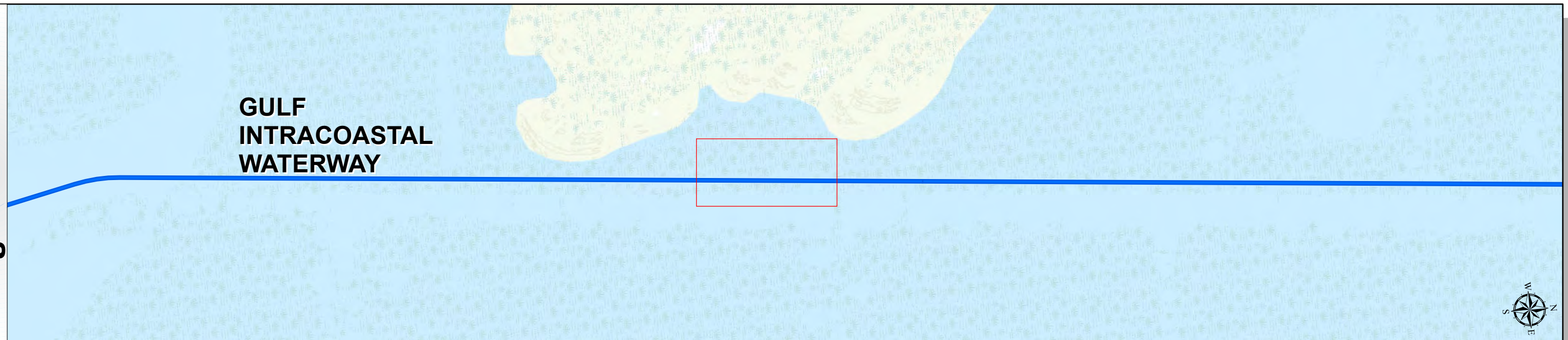
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



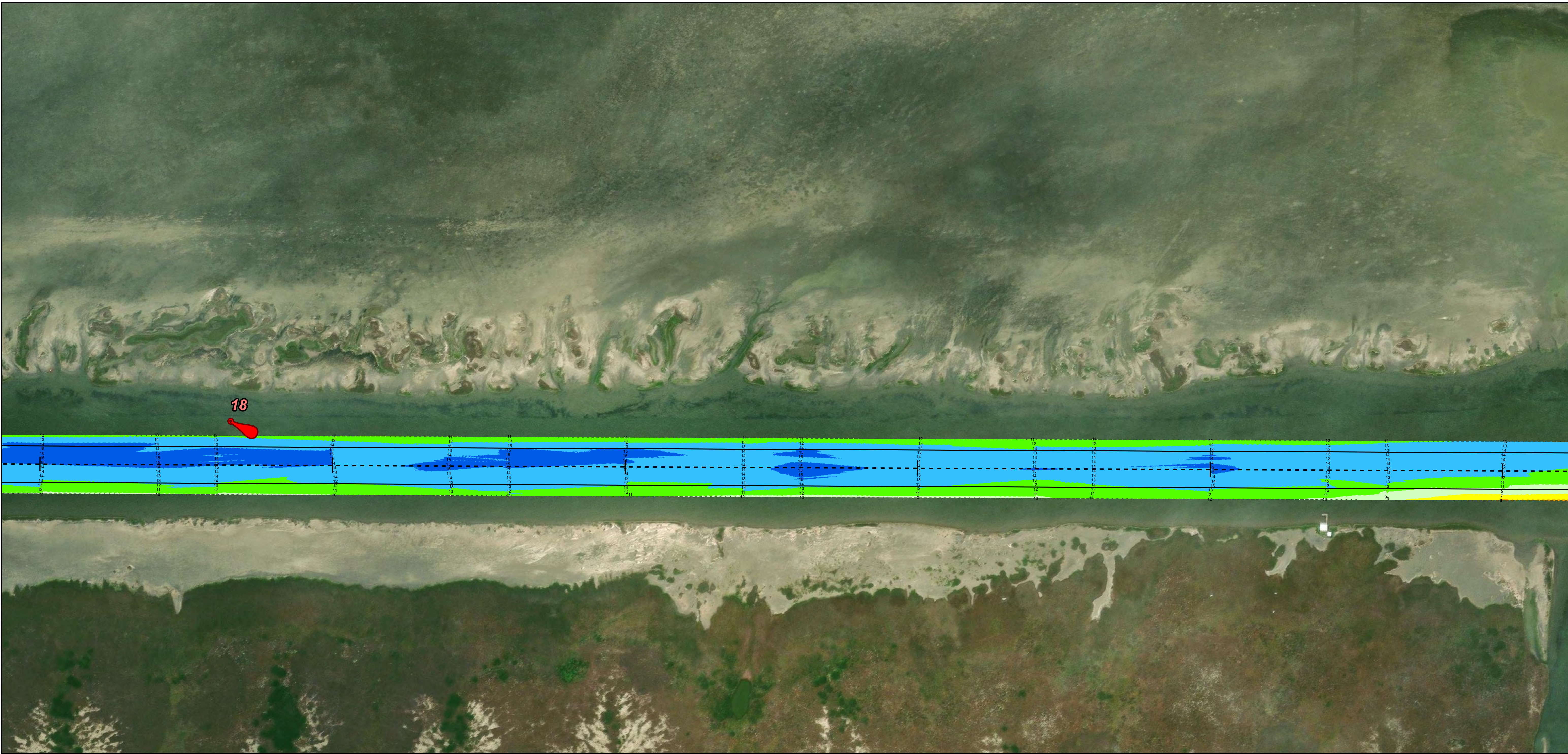
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

LWD



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

Additional Combined Survey Dates and Stationing:

Combined survey dates 20230307_CS; 20231221_AD_06_1728P000_1734P000;
20240104_AD_05_1710P000_1718P000

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent

0 0.2 0.4 0.8 Miles

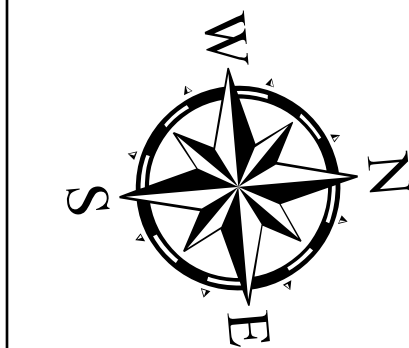
Hydrographic Survey Extent

0 170 340 680 Feet

HYDROGRAPHIC SURVEY

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

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield



Latest Survey Collection Date: 04 January 2023

Document Page: 2 of 30

Website Index Number: 271

Scale: 1:2,000

Mapped by: M3AOXPAC

Additional Imagery info:

Authorized Depth: -13ft.

Side Slope Ratio: (Rise : Run)

PDF Print Date: 1/9/2024

Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District

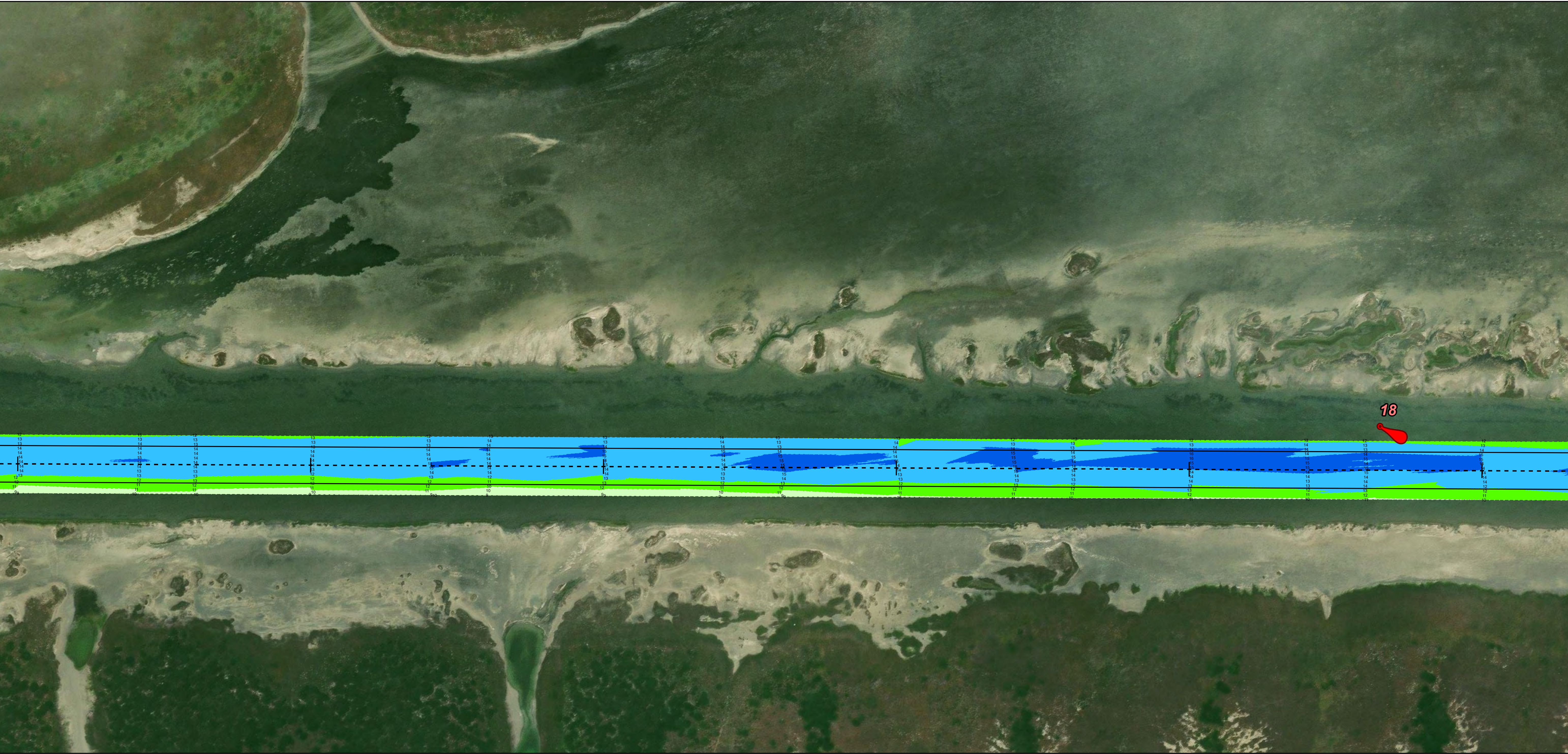


Regional Extent

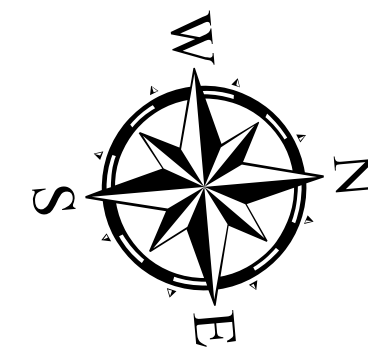
GULF
INTRACOASTAL
WATERWAY

Dredging Reach Extent

Banderia Island
to Channel to
Port Mansfield



Latest Survey Collection Date: 04 January 2023	Authorized Depth: -13ft.
Document Page: 3 of 30	Side Slope Ratio: (Rise : Run)
Scale: 1:2,000	PDF Print Date: 1/9/2024
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

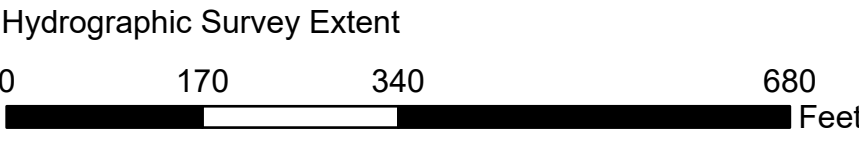
LWD



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World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:
Combined survey dates 20230307_CS; 20231221_AD_06_1728P000_1734P000;
20240104_AD_05_1710P000_1718P000

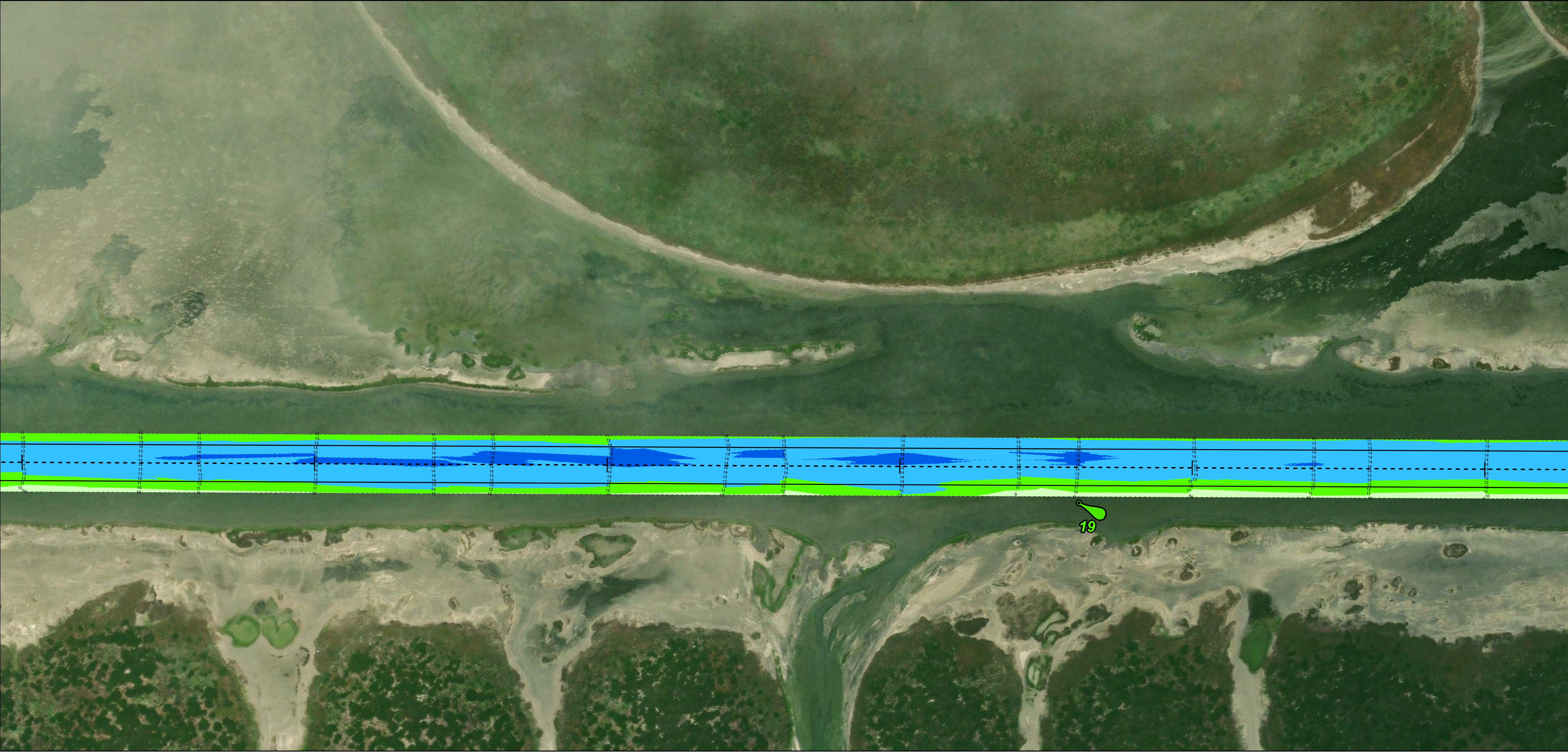
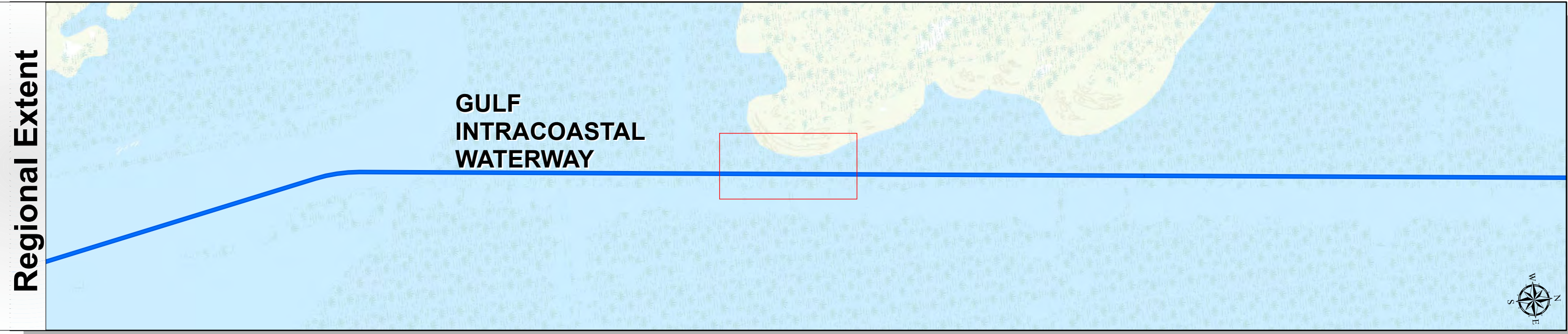
Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic



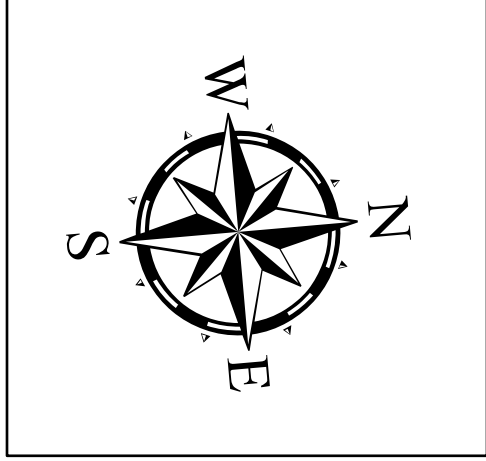
HYDROGRAPHIC SURVEY

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS
Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



Latest Survey Collection Date: 04 January 2023		Authorized Depth: -13ft.
Document Page: 4 of 30	Website Index Number: 273	Side Slope Ratio: (Rise : Run)
Scale: 1:2,000		PDF Print Date: 1/9/2024
Mapped by: M3AOPAC		
Additional Imagery info:		



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

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Bandera Island to Channel to Port Mansfield

Channel Features Channel Center Line Channel Toe Channel Station Lines Channel Dimensions	Aids to Navigation Green Side Aids Red Side Aids Lights	LWD 	NOTES: 1. Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet. 2. Elevations are referenced to low water depth (LWD) 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 ar1110-1-8152. 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 manner 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/Hydrographic/Surveys/ Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, NGA, EPA, USDA World Imagery: Maxar, Microsoft World Imagery: Maxar World Ocean Base: Esri, GEBCO, Garmin, NaturalVue	Additional Combined Survey Dates and Stationing: Combined survey dates 20230307_CS; 20231221_AD_06_1728P000_1734P000; 20240104_AD_05_1710P000_1718P000	Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet Projection: Lambert Conformal Conic <hr/> Dredging Reach Extent <hr/> Hydrographic Survey Extent
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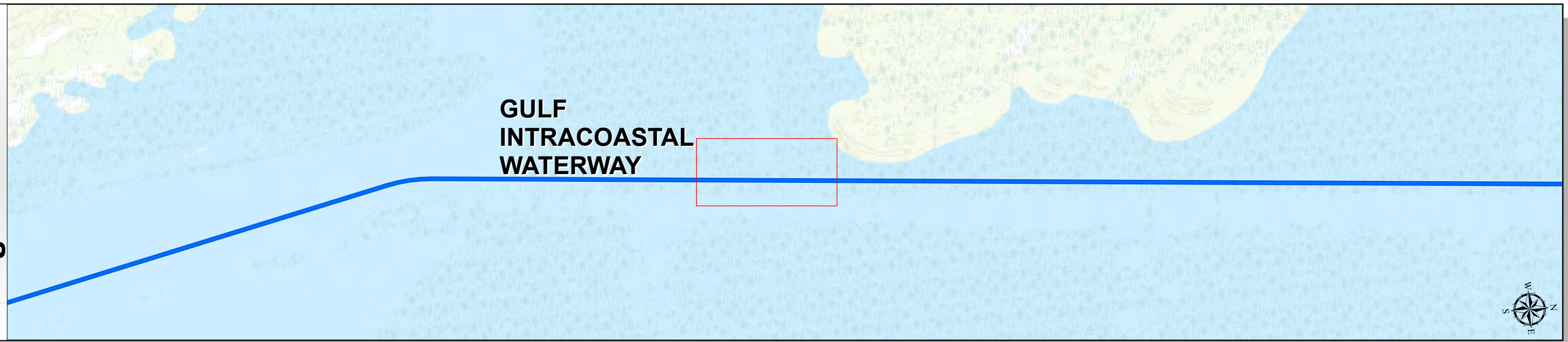
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



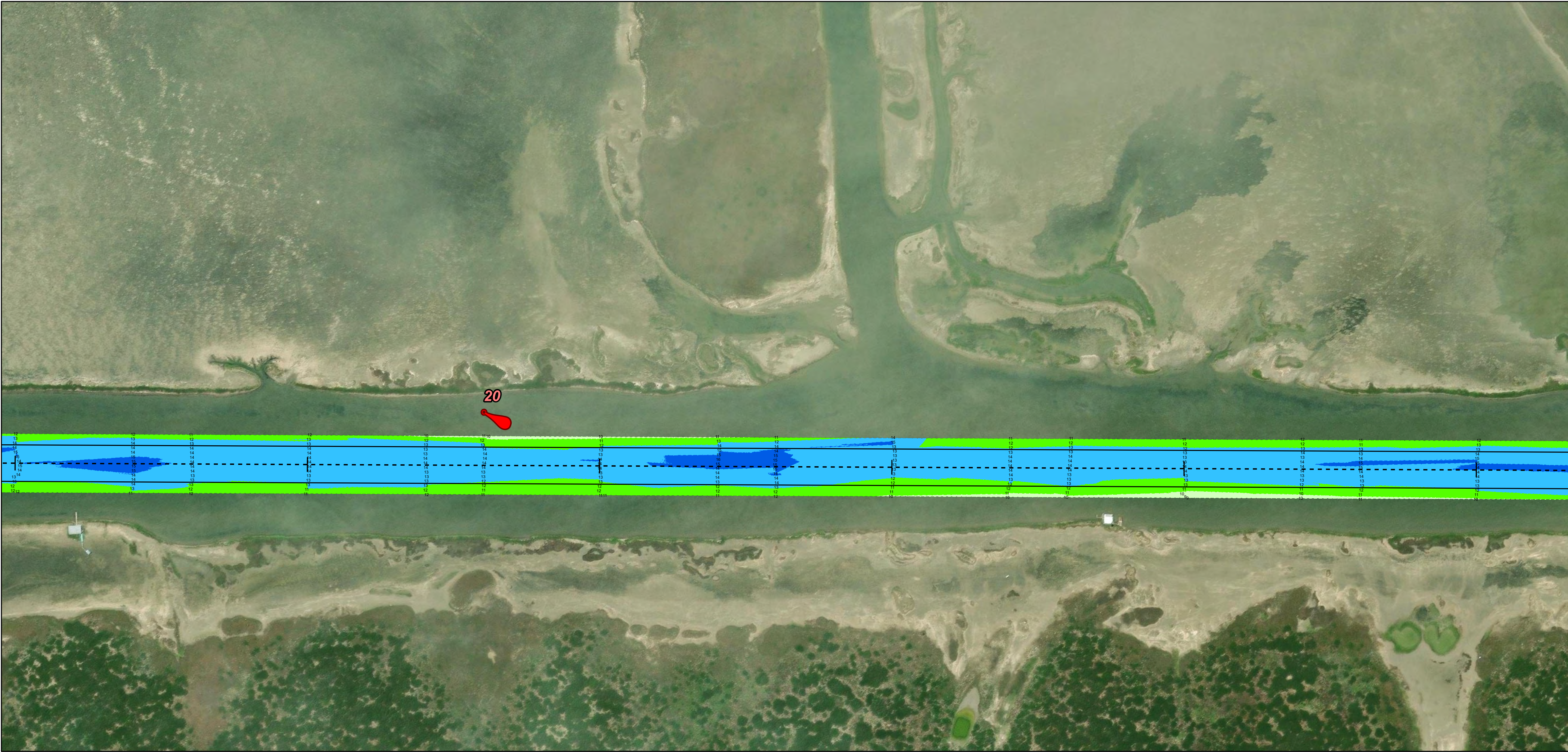
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

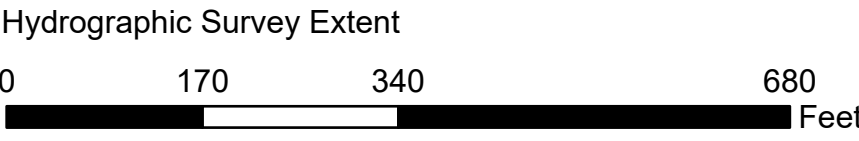
LWD



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

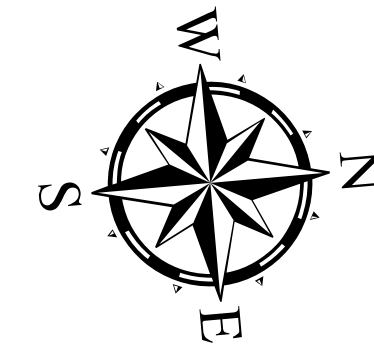
Additional Combined Survey Dates and Stationing:
Combined survey dates 20230307_CS; 20231221_AD_06_1728P000_1734P000;
20240104_AD_05_1710P000_1718P000

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS
Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield



Latest Survey Collection Date: 04 January 2023		Authorized Depth: -13ft.
Document Page: 5 of 30	Website Index Number: 274	Side Slope Ratio: (Rise : Run)
Scale: 1:2,000		PDF Print Date: 1/9/2024
Mapped by: M3AOXPAC		
Additional Imagery info:		

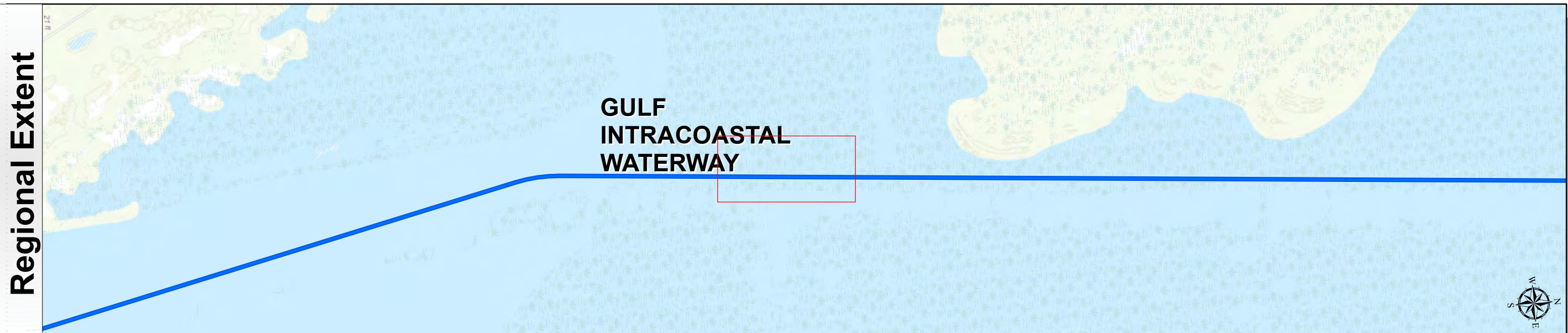
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



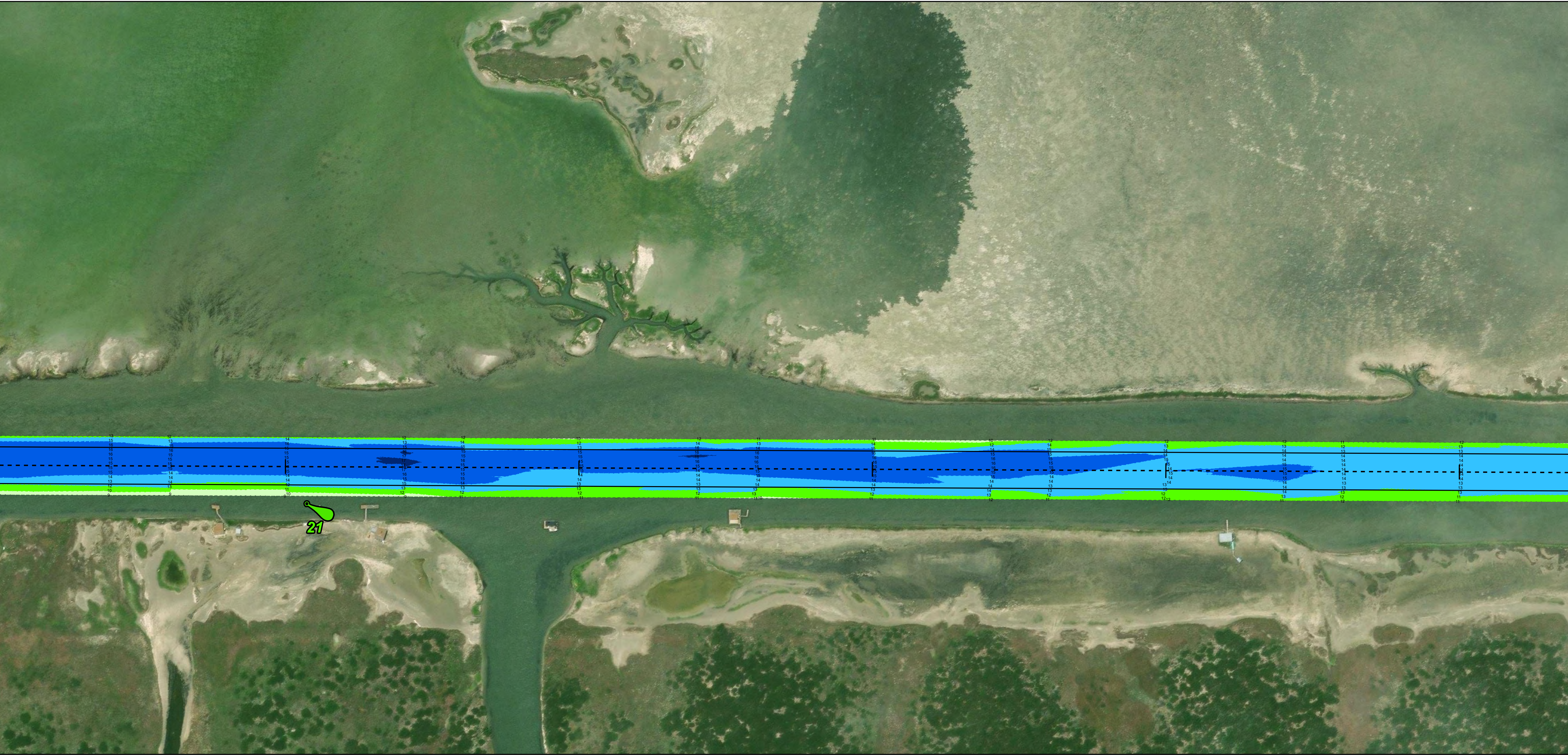
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



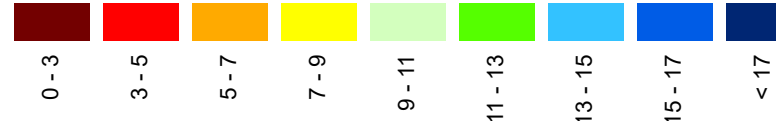
Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

LWD



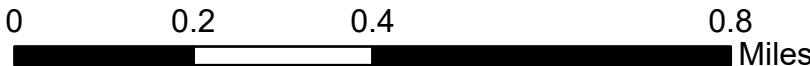
NOTES:
1. Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
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World Imagery: Maxar, Microsoft
World Imagery: Maxar
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:

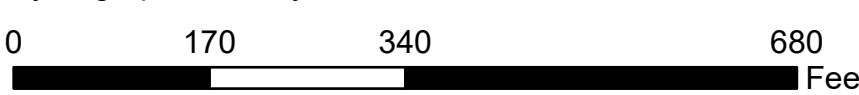
Combined survey dates 20230307_CS; 20231221_AD_06_1728P000_1734P000;
20240104_AD_05_1710P000_1718P000

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent



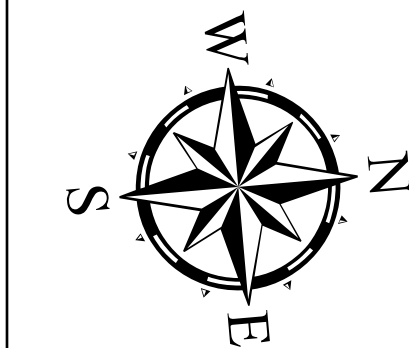
Hydrographic Survey Extent



HYDROGRAPHIC SURVEY

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

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield



Latest Survey Collection Date: 04 January 2023

Document Page: 6 of 30

Website Index Number: 275

Scale: 1:2,000

Mapped by: M3AOXPAC

Additional Imagery info:

Authorized Depth: -13ft.

Side Slope Ratio: (Rise : Run)

PDF Print Date: 1/9/2024

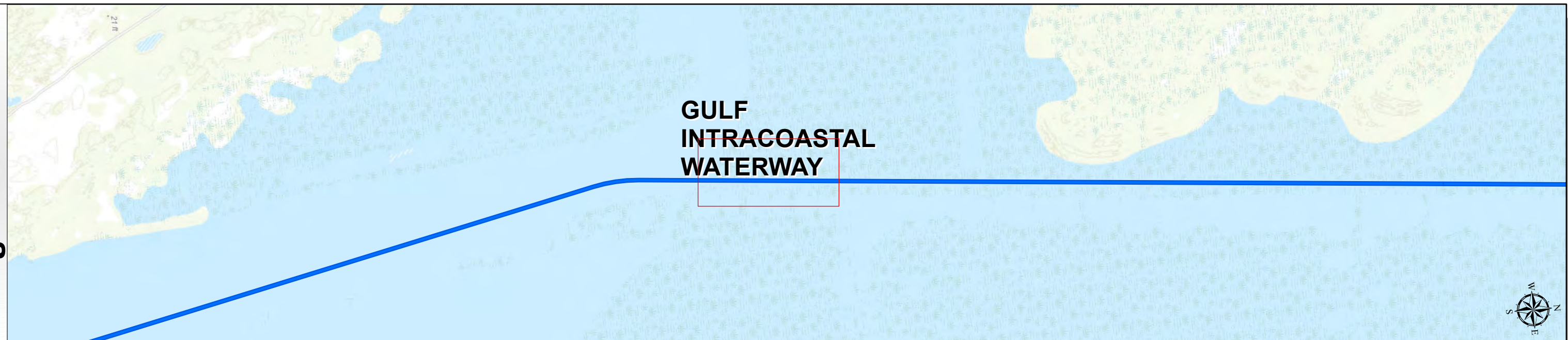
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



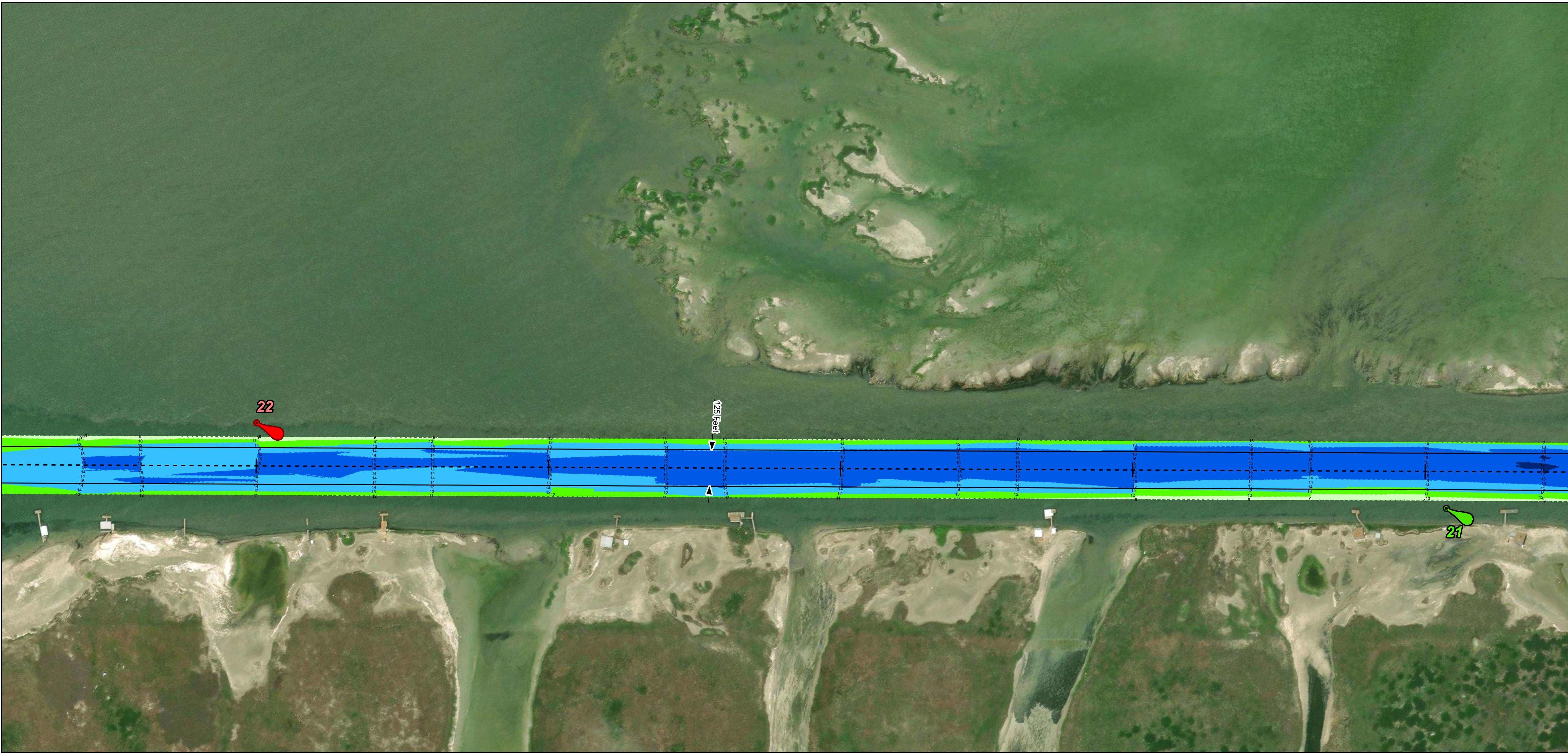
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



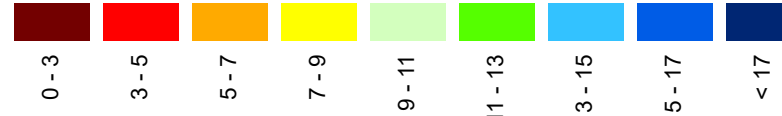
Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

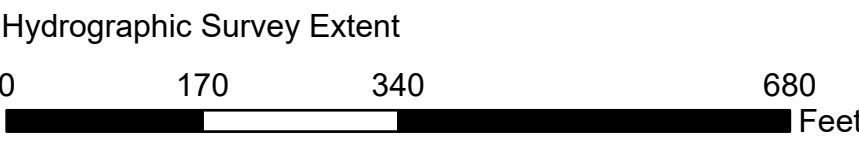
LWD



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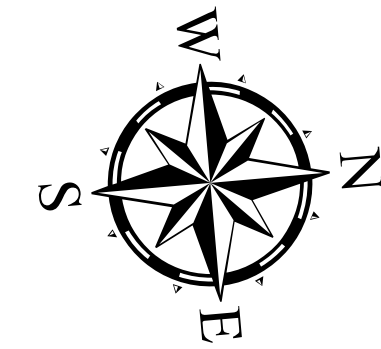
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Combined survey dates 20230307_CS; 20231221_AD_06_1728P000_1734P000;
20240104_AD_05_1710P000_1718P000

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS
Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield



Latest Survey Collection Date: 04 January 2023

Document Page: 7 of 30

Website Index Number: 276

Scale: 1:2,000

Mapped by: M3AOXPAC

Additional Imagery info:

Authorized Depth: -13ft.

Side Slope Ratio: (Rise : Run)

PDF Print Date: 1/9/2024

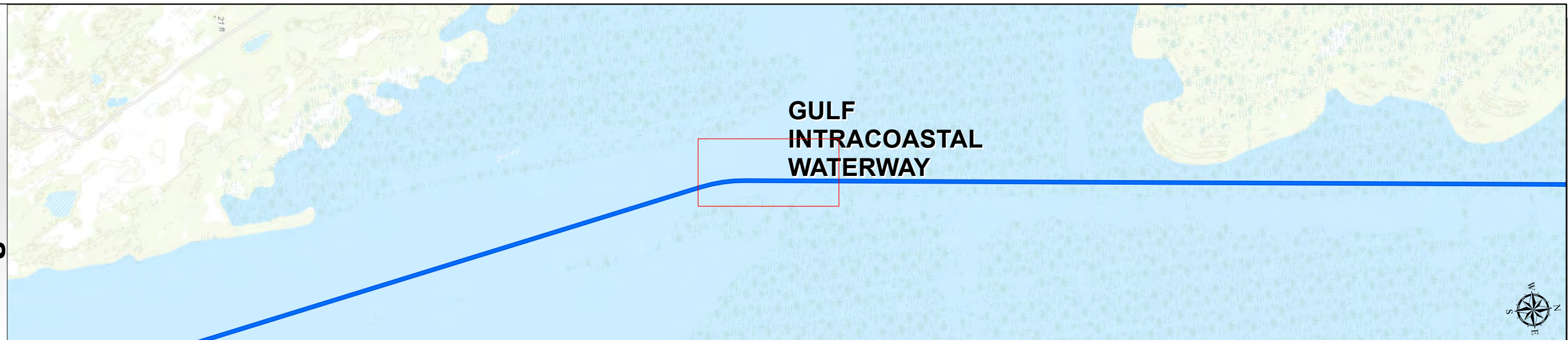
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



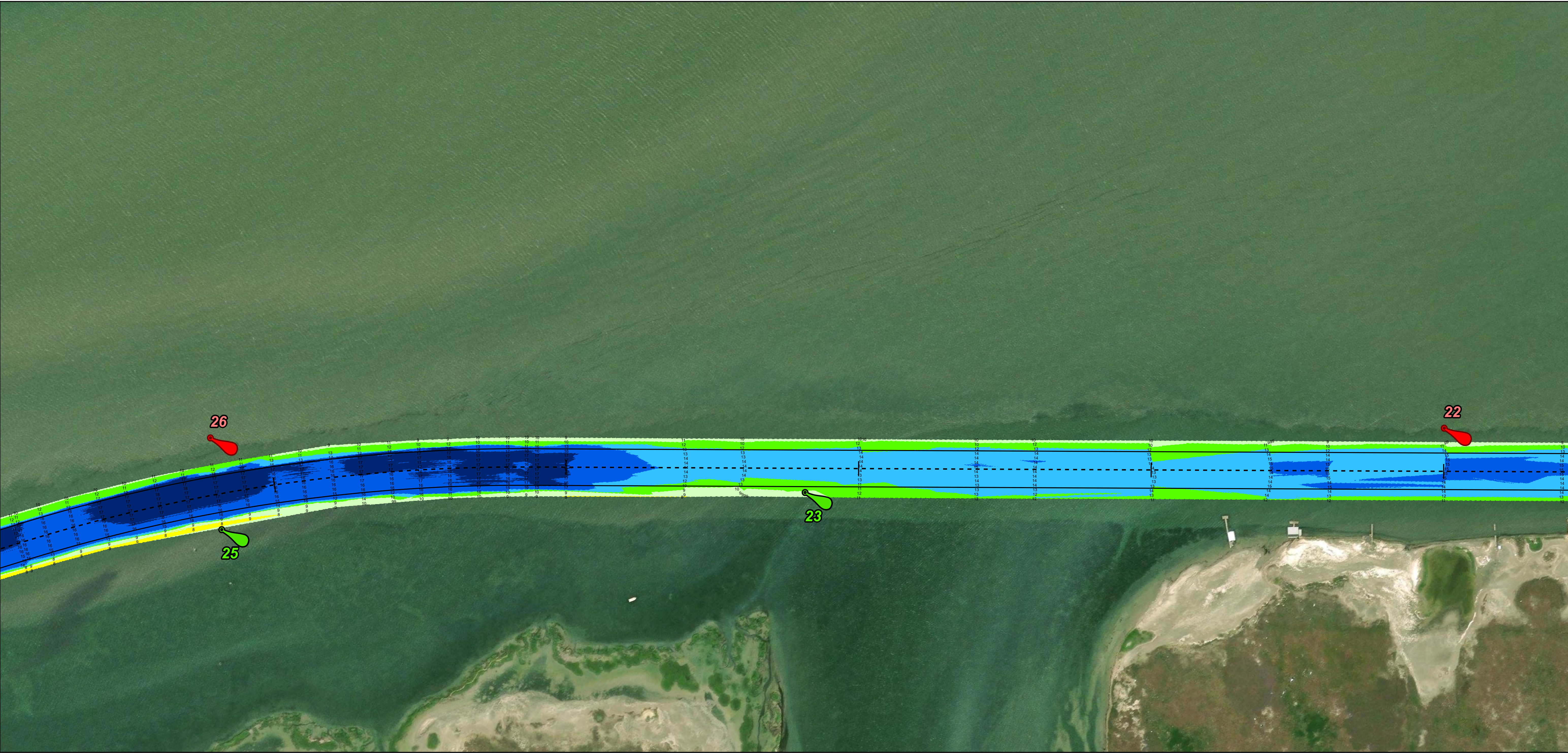
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

LWD

0 - 3	3 - 5	5 - 7	7 - 9	9 - 11	11 - 13	13 - 15	15 - 17	< 17
Dark Blue	Blue	Light Blue	Green	Yellow	Orange	Red	Dark Red	Black

NOTES:
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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, NOAA, EPA, USDA
World Imagery: Maxar, Microsoft
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20240104_AD_05_1710P000_1718P000

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic

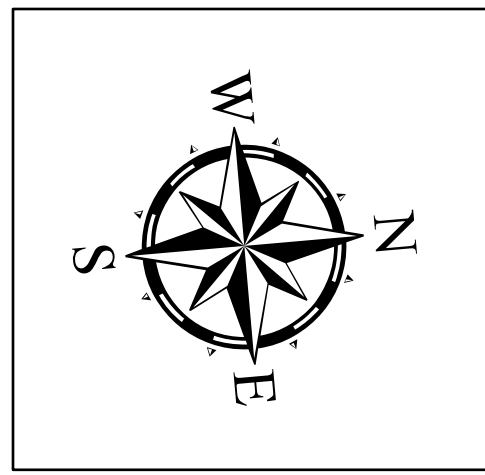
Dredging Reach Extent

0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent

0 170 340 680 Feet

Latest Survey Collection Date: 04 January 2023	Authorized Depth: -13ft.
	Side Slope Ratio: (Rise : Run)
Document Page: 8 of 30	Website Index Number: 277
Scale: 1:2,000	PDF Print Date: 1/9/2024
Mapped by: M3AOXPAC	
Additional Imagery info:	



HYDROGRAPHIC SURVEY

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

Station: 1679+500 to 1802+194.92

GULF INTRACOASTAL WATERWAY

Banderia Island to Channel to Port Mansfield

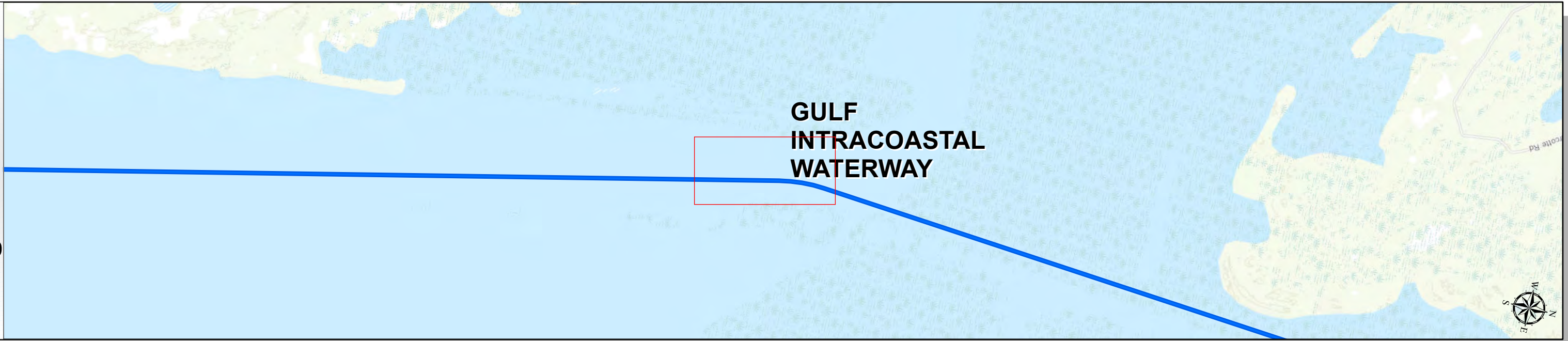
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



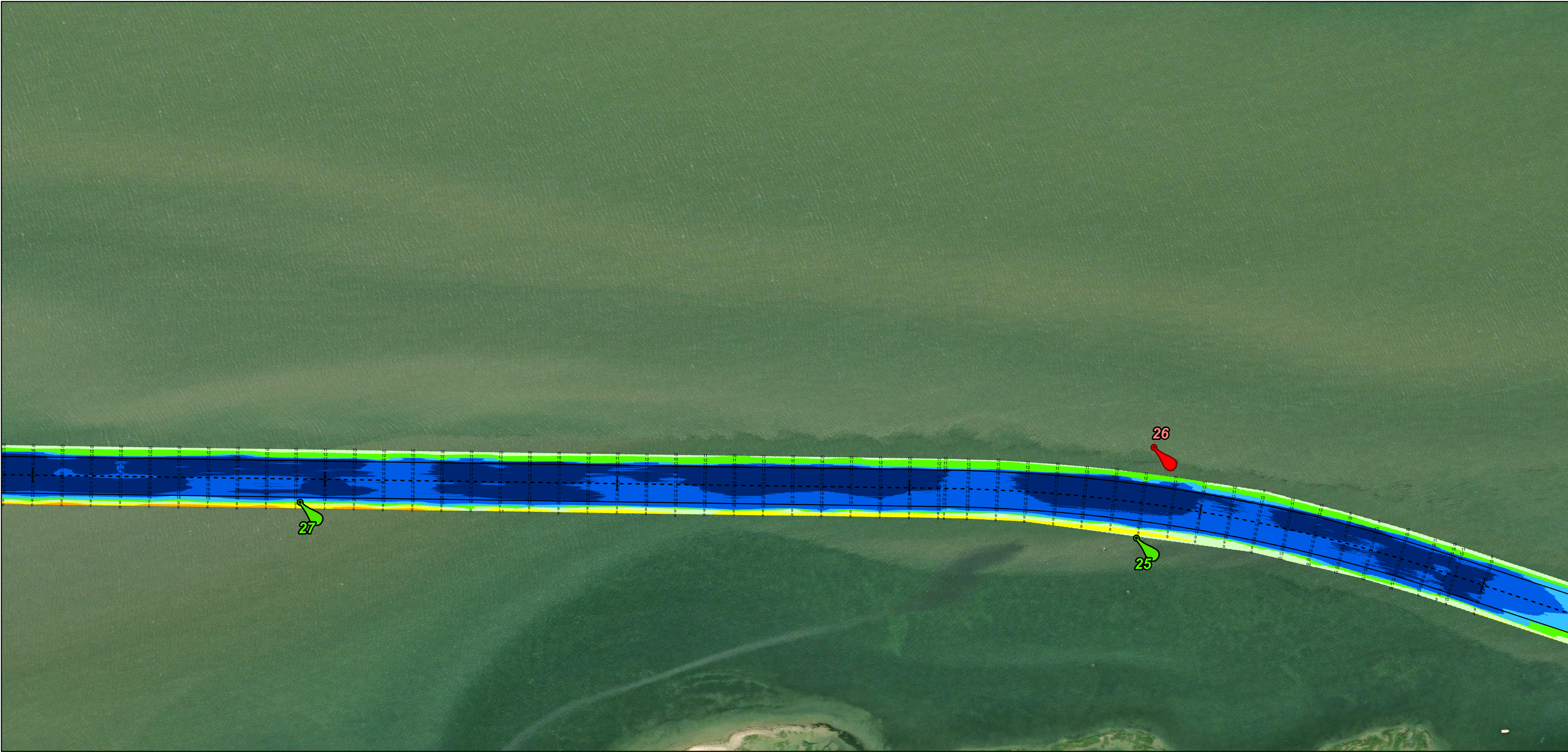
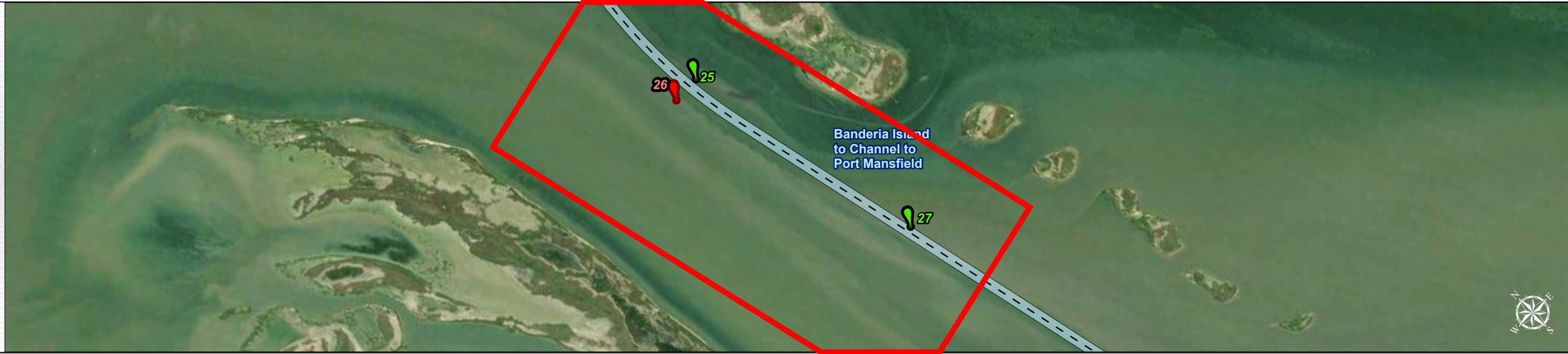
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

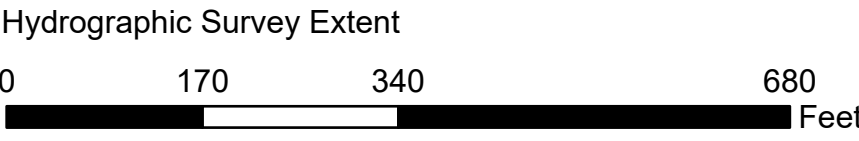
LWD



NOTES:
1. Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
2. Elevations are referenced to low water depth (LWD) 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 47 CFR 111.05-1 and 111.05-2.
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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, METI/NASA, NGA, EPA, USDA
World Imagery: Maxar, Microsoft
World Imagery: Maxar
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:
Combined survey dates 20230307_CS; 20231221_AD_06_1728P000_1734P000;
20240104_AD_05_1710P000_1718P000

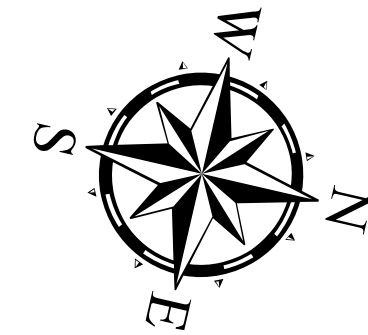
Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

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

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield



Latest Survey Collection Date: 04 January 2023

Document Page: 9 of 30

Website Index Number: 278

Scale: 1:2,000

Mapped by: M3AOXPAC

Additional Imagery info:

Authorized Depth: -13ft.

Side Slope Ratio: (Rise : Run)

PDF Print Date: 1/9/2024

Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



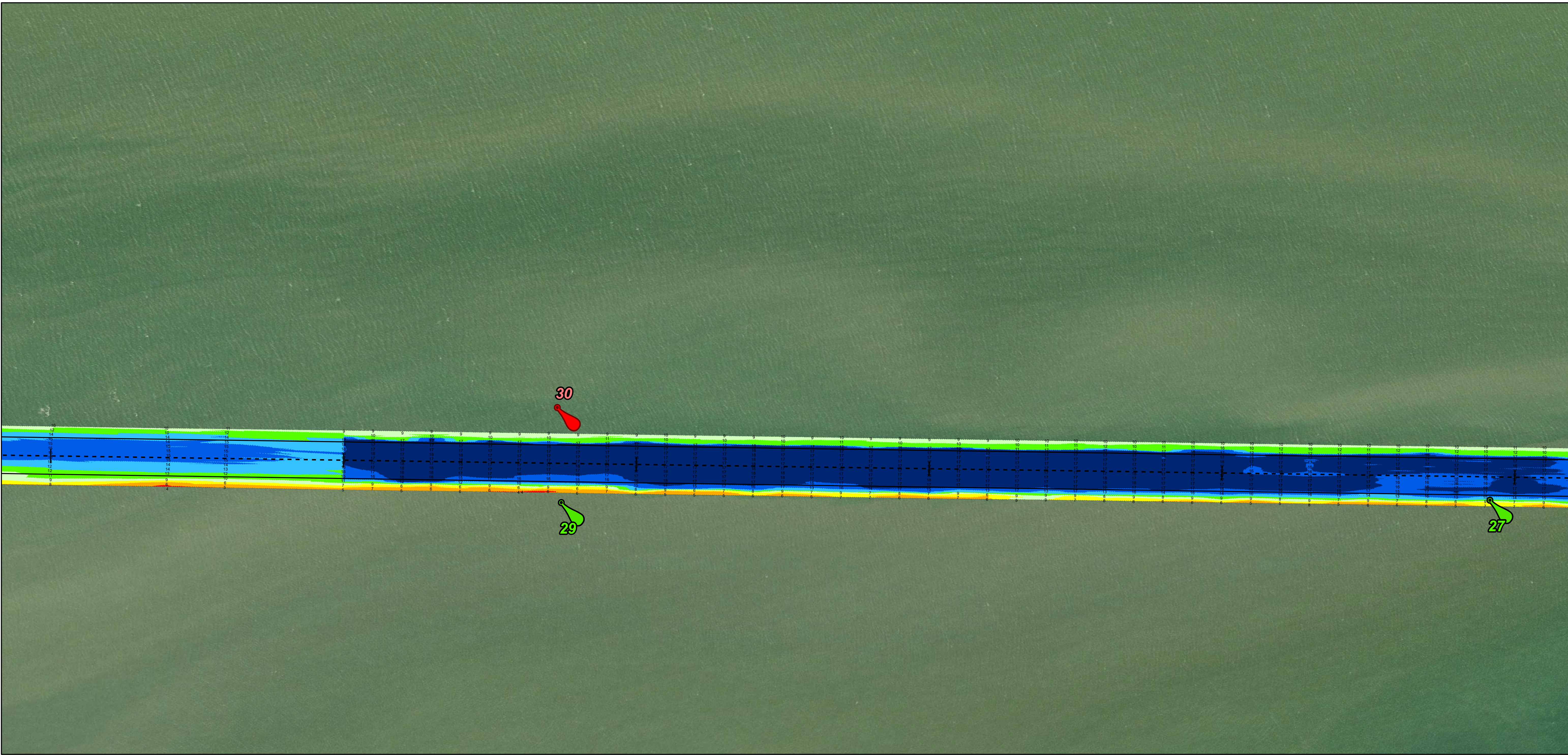
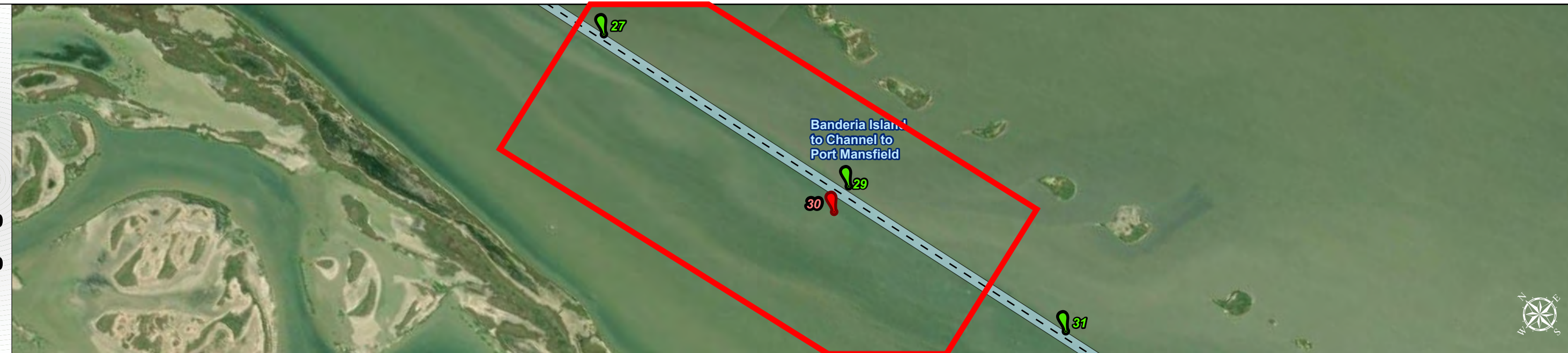
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

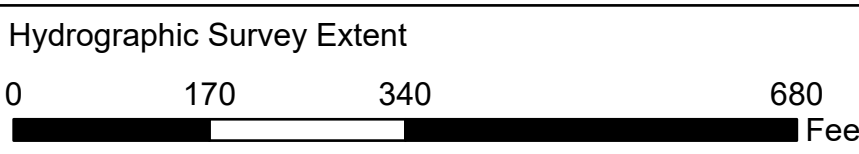
LWD



NOTES:
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2. Elevations are referenced to low water depth (LWD) 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 47 CFR 111.11-111.12.
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World Imagery: Maxar, Microsoft
World Imagery: Maxar
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:
Combined survey dates 20230307_CS; 20231221_AD_06_1728P000_1734P000;
20240104_AD_05_1710P000_1718P000

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

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

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

Latest Survey Collection Date: 04 January 2023

Document Page: 10 of 30

Authorized Depth: -13ft.

Side Slope Ratio: (Rise : Run)

PDF Print Date: 1/9/2024

Website Index Number: 279

Scale: 1:2,000

Mapped by: M3AOXPAC

Additional Imagery info:

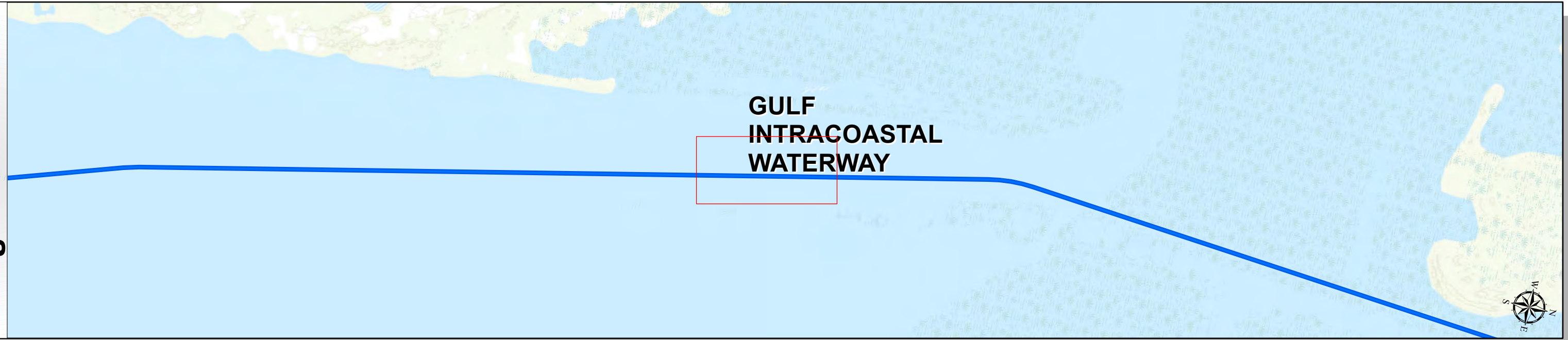
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



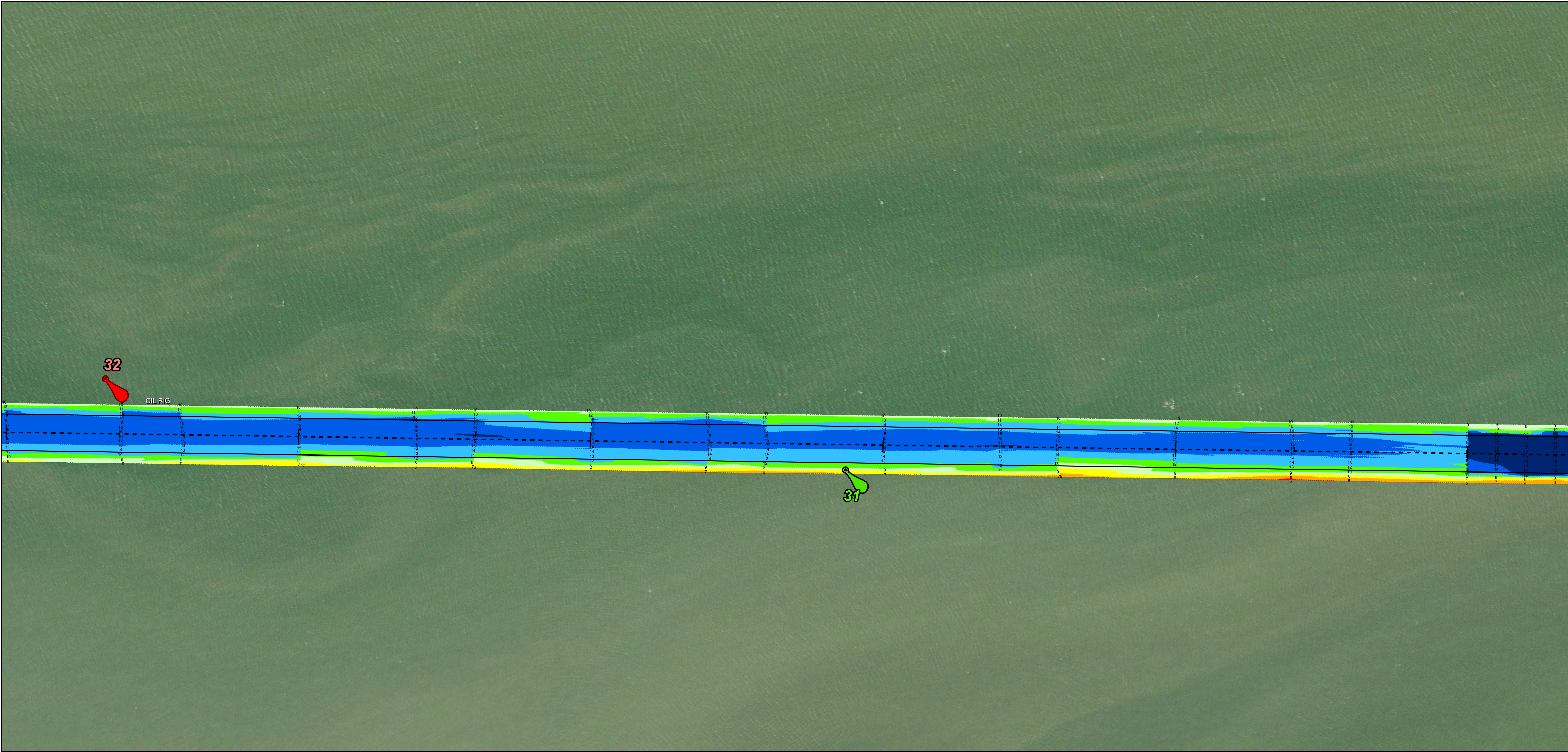
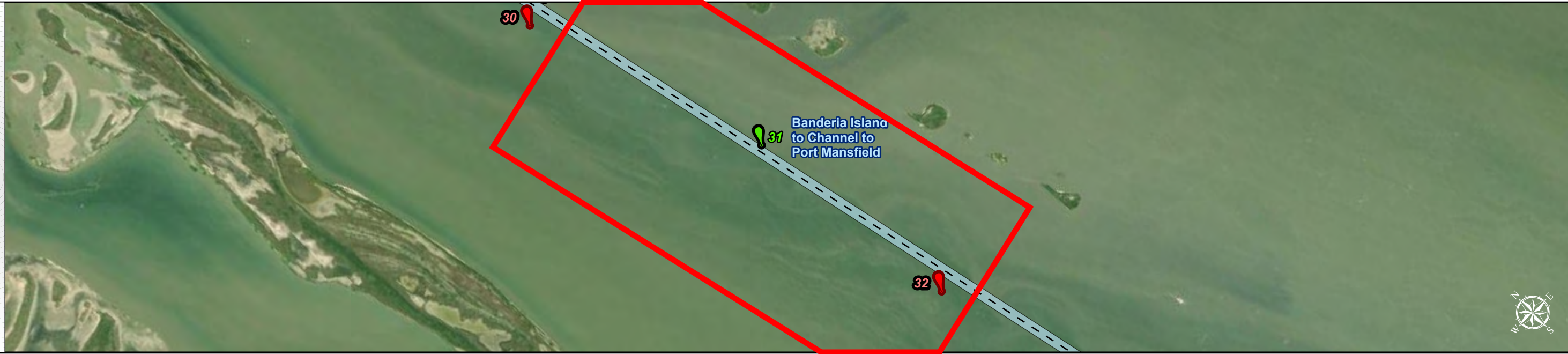
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

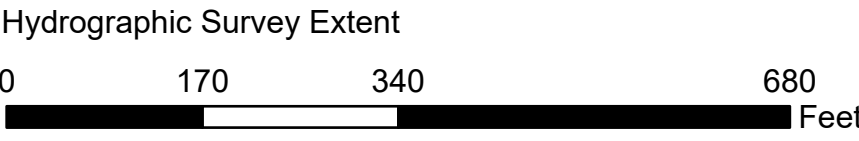
LWD



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

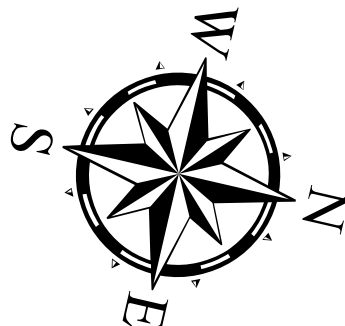
Additional Combined Survey Dates and Stationing:
Combined survey dates 20230307_CS; 20231221_AD_06_1728P000_1734P000;
20240104_AD_05_1710P000_1718P000

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS
Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield



Latest Survey Collection Date: 04 January 2023		Authorized Depth: -13ft.	
Document Page: 11 of 30	Website Index Number: 280	Side Slope Ratio: (Rise : Run)	
Scale: 1:2,000		PDF Print Date: 1/9/2024	
Mapped by: M3AOXPAC			
Additional Imagery info:			

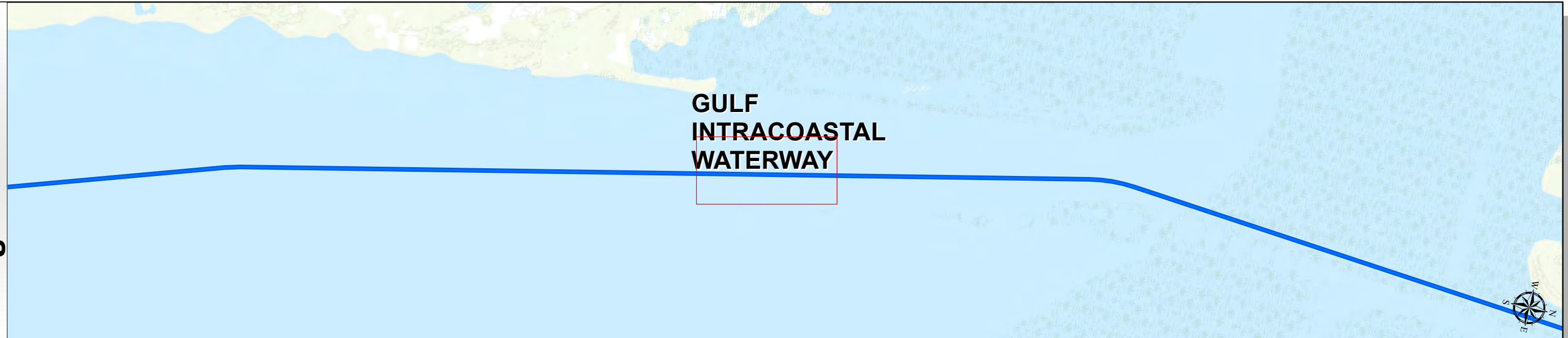
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



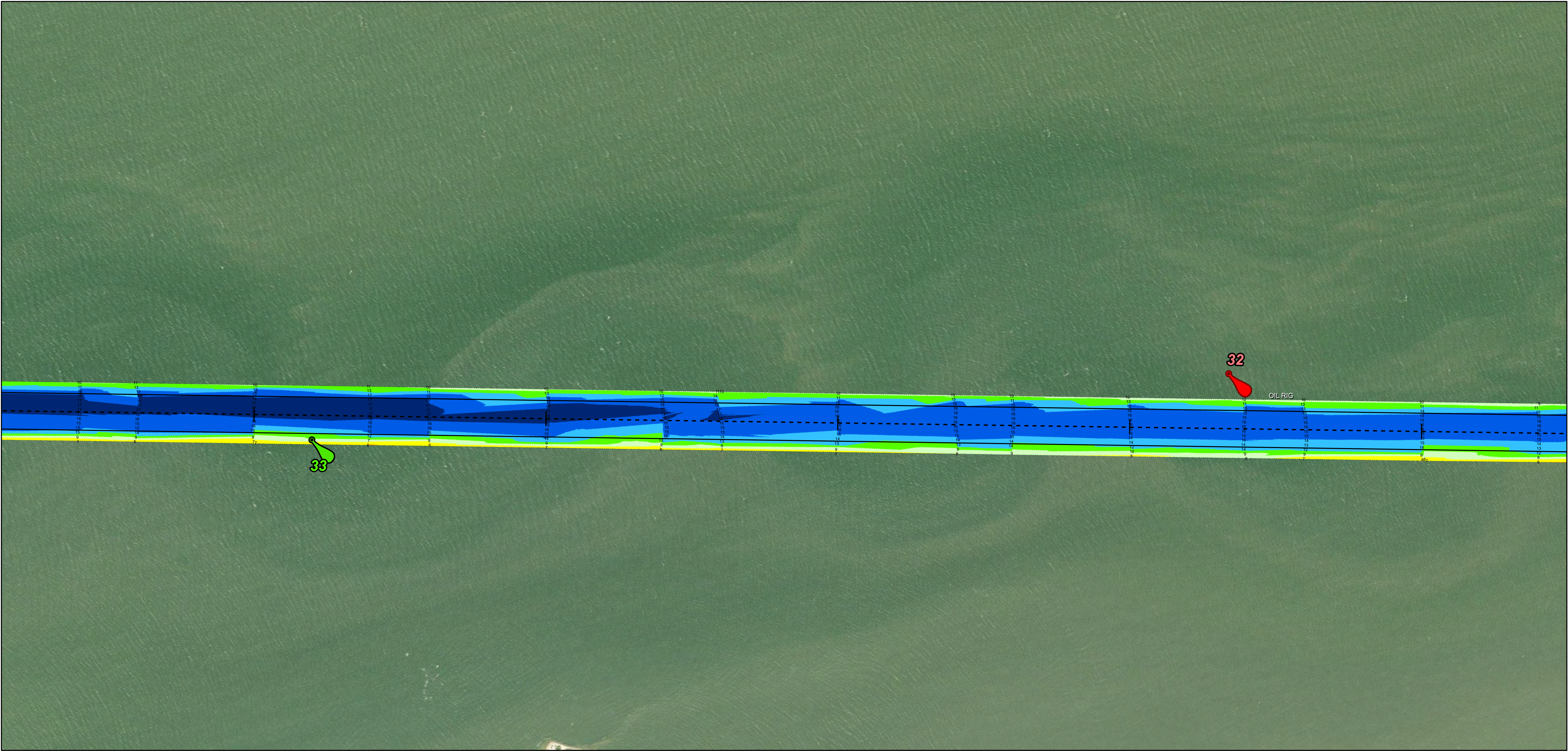
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

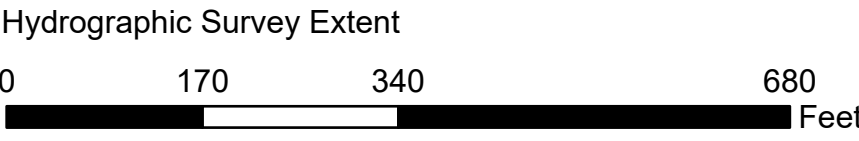
LWD



NOTES:
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2. Elevations are referenced to low water depth (LWD) 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 47CFR 110.1-110.12.
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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, Microsoft
World Imagery: Maxar
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:
Combined survey dates 20230307_CS; 20231221_AD_06_1728P000_1734P000;
20240104_AD_05_1710P000_1718P000

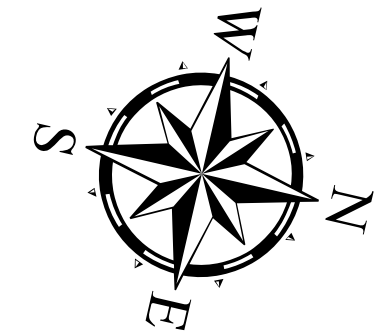
Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

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

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield



Latest Survey Collection Date: 04 January 2023

Document Page: 12 of 30

Authorized Depth: -13ft.

Side Slope Ratio: (Rise : Run)

Website Index Number: 281

PDF Print Date: 1/9/2024

Scale: 1:2,000

Mapped by: M3AOXPAC

Additional Imagery info:

Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

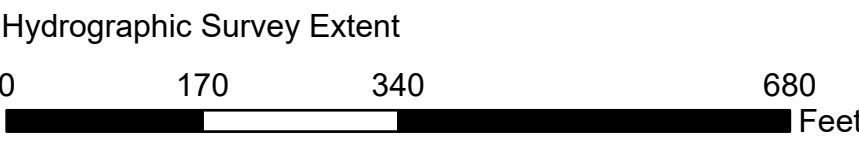
LWD



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World Imagery: Maxar, Microsoft
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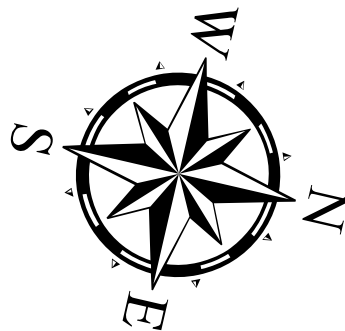
Additional Combined Survey Dates and Stationing:
Combined survey dates 20230307_CS; 20231221_AD_06_1728P000_1734P000;
20240104_AD_05_1710P000_1718P000

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS
Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield



Latest Survey Collection Date: 04 January 2023		Authorized Depth: -13ft.
Document Page: 13 of 30	Website Index Number: 282	Side Slope Ratio: (Rise : Run)
Scale: 1:2,000		PDF Print Date: 1/9/2024
Mapped by: M3AOXPAC		
Additional Imagery info:		

Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



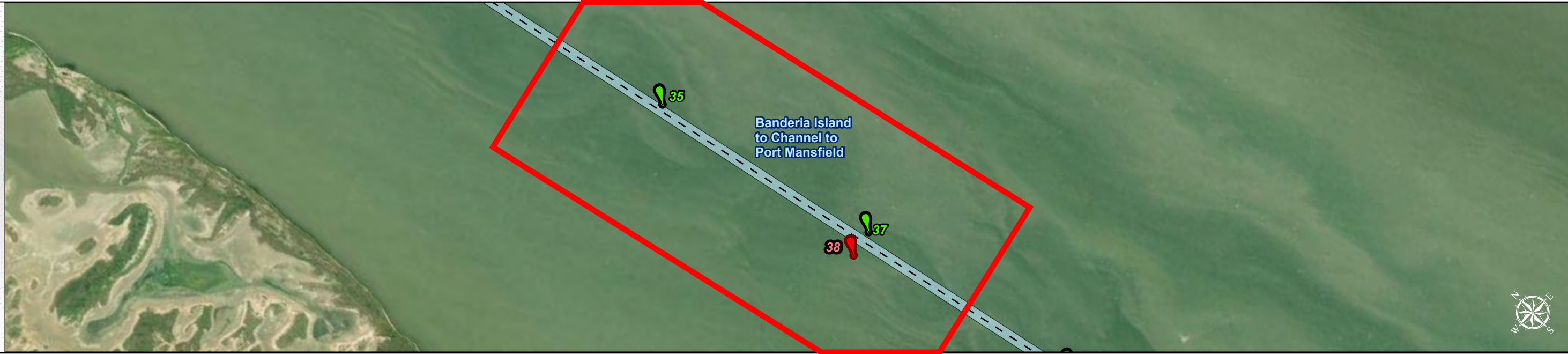
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

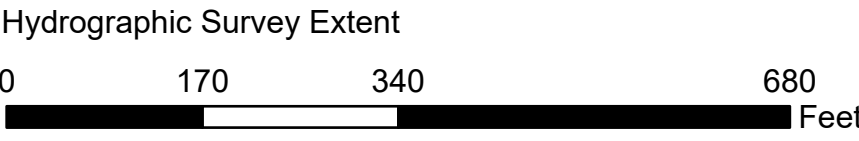
LWD



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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.
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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, MET/NASA, NOAA, EPA, USDA
World Imagery: Maxar, Microsoft
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World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:
Combined survey dates 20230307_CS; 20231221_AD_06_1728P000_1734P000;
20240104_AD_05_1710P000_1718P000

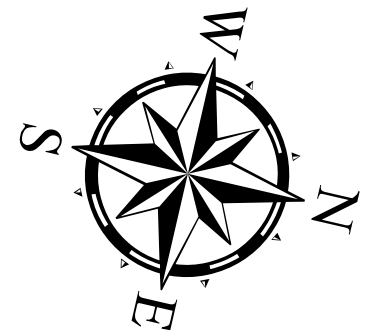
Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

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

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield



Latest Survey Collection Date: 04 January 2023

Document Page: 14 of 30

Authorized Depth: -13ft.

Side Slope Ratio: (Rise : Run)

Website Index Number: 283

PDF Print Date: 1/9/2024

Scale: 1:2,000

Mapped by: M3AOXPAC

Additional Imagery info:

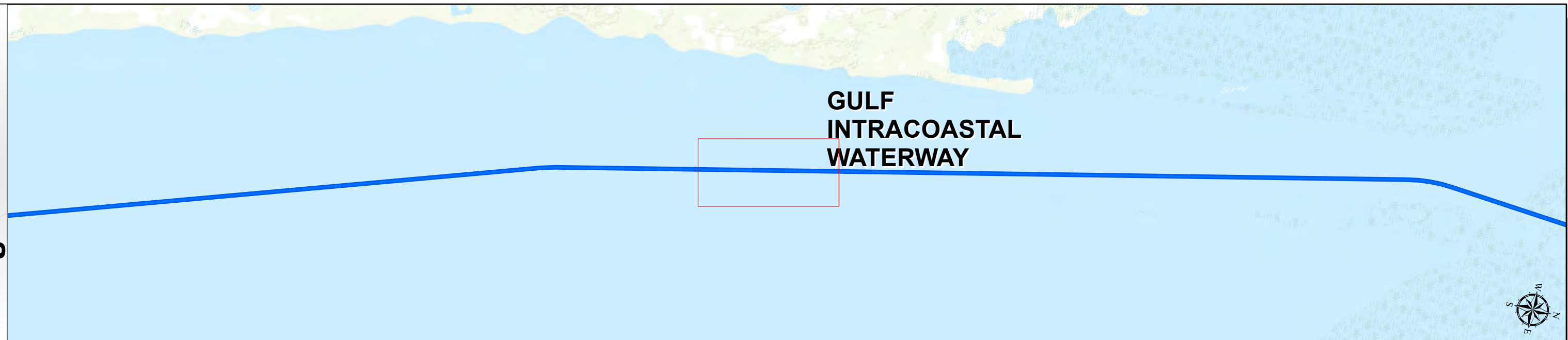
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



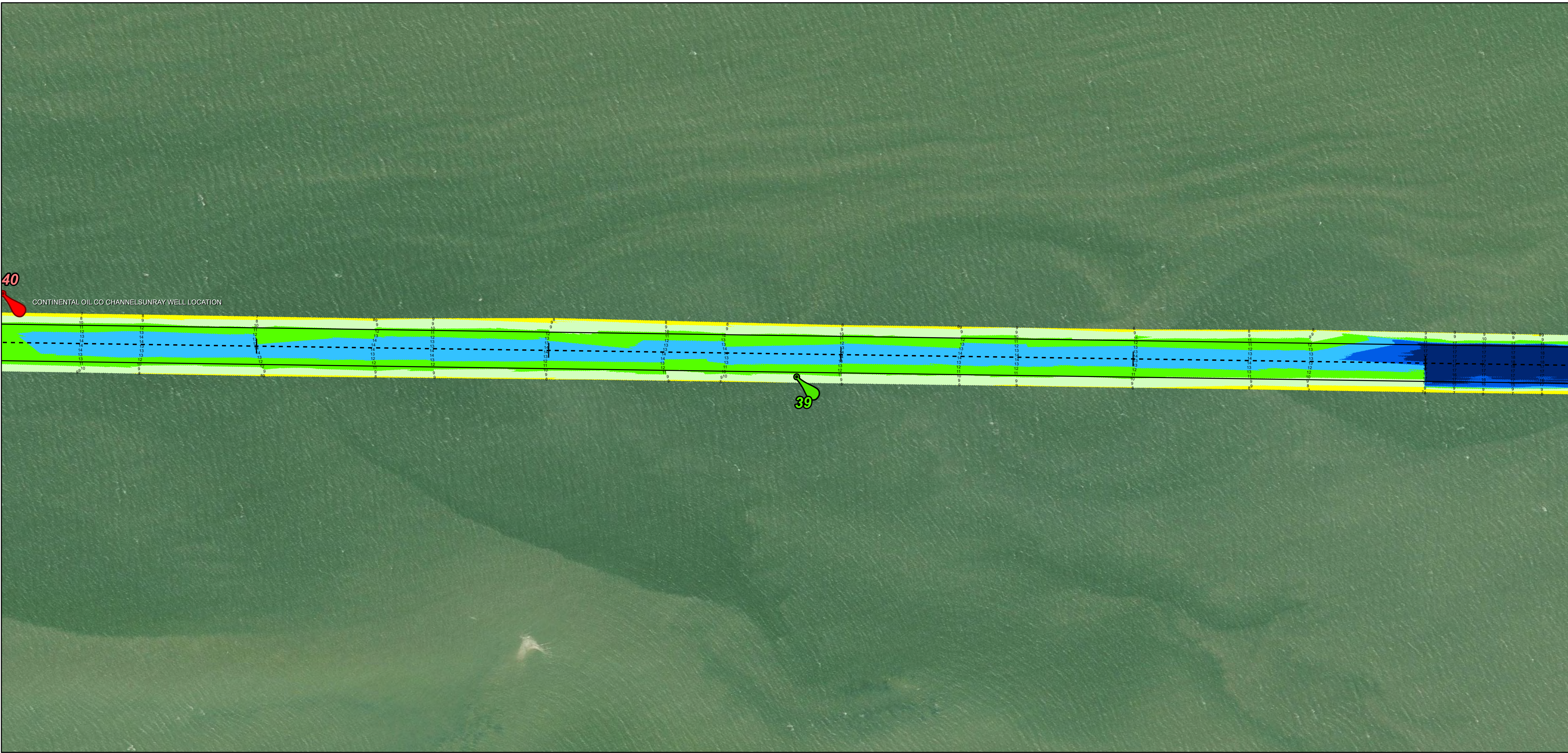
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

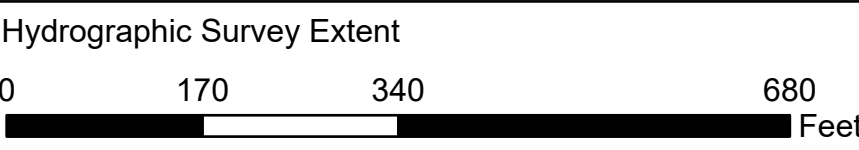
LWD



NOTES:
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World Imagery: Maxar, Microsoft
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Additional Combined Survey Dates and Stationing:
Combined survey dates 20230307_CS; 20231221_AD_06_1728P000_1734P000;
20240104_AD_05_1710P000_1718P000

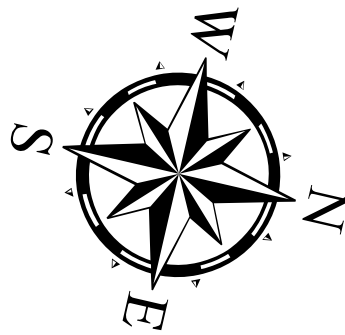
Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

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

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield



Latest Survey Collection Date: 04 January 2023

Document Page: 15 of 30

Scale: 1:2,000

Mapped by: M3AOXPAC

Additional Imagery info:

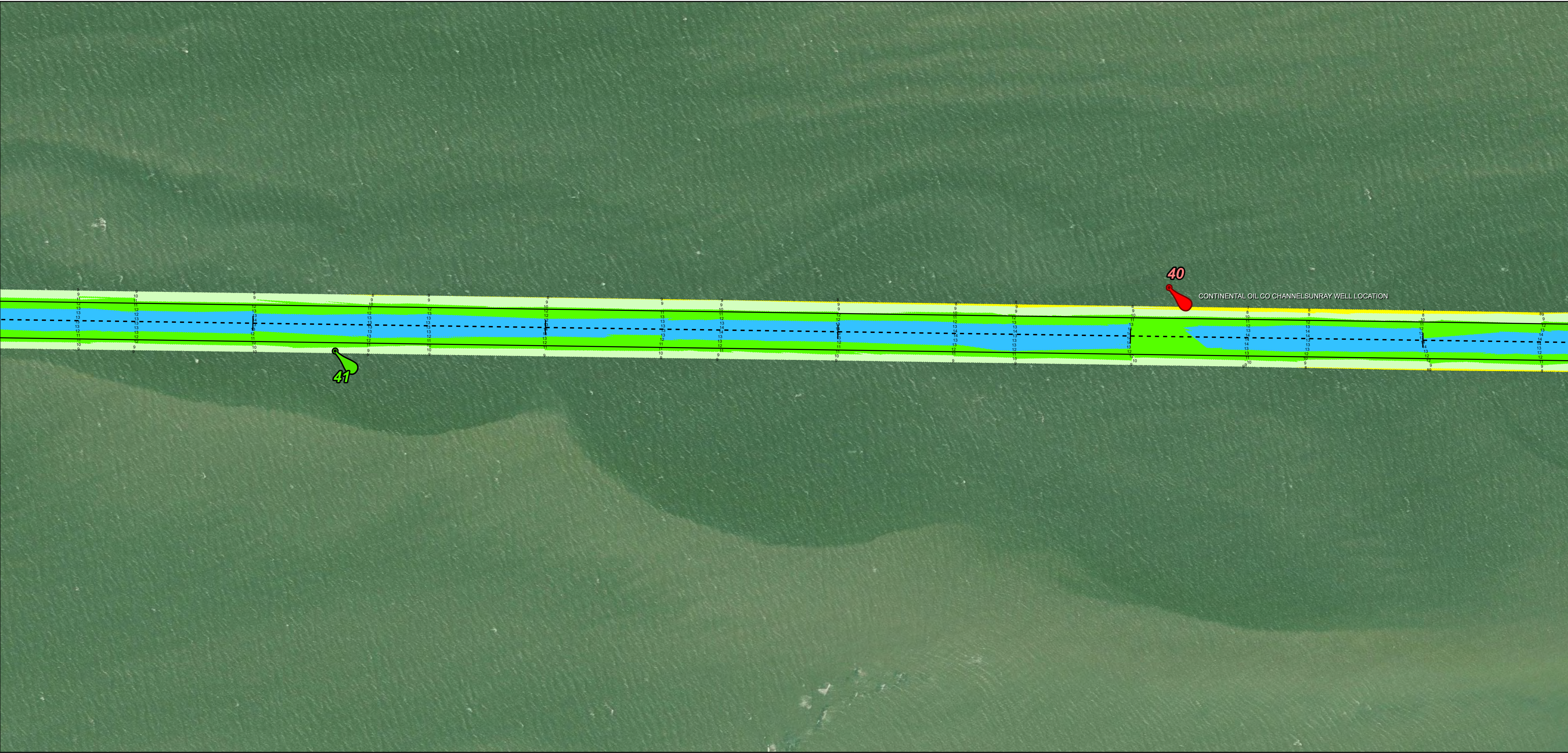
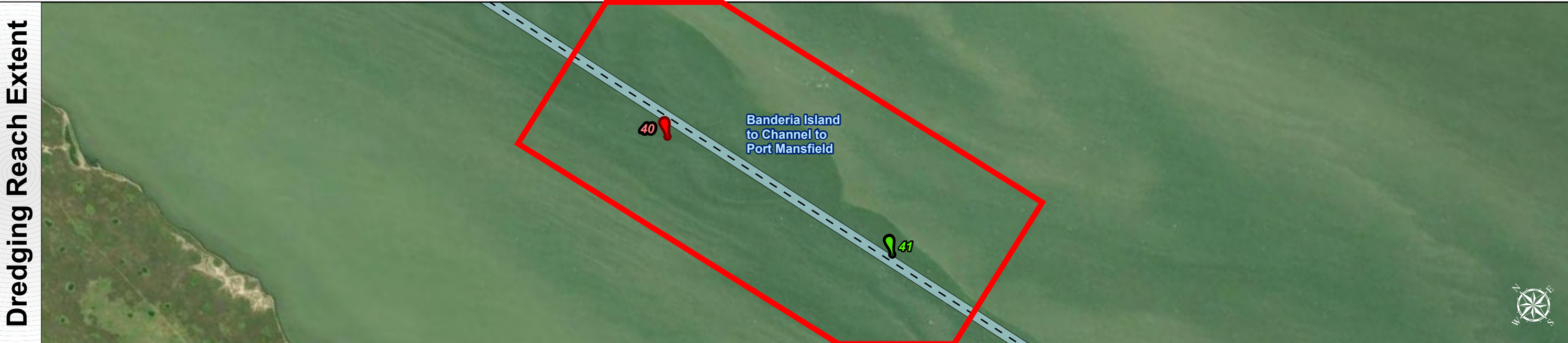
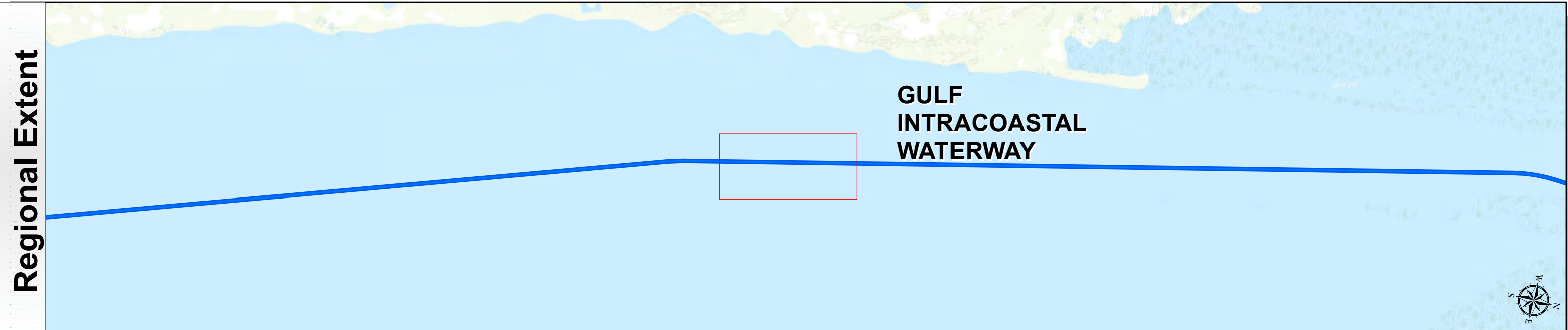
Authorized Depth: -13ft.

Side Slope Ratio: (Rise : Run)

PDF Print Date: 1/9/2024

Website Index Number: 284

Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

LWD

0 - 3	3 - 5	5 - 7	7 - 9	9 - 11	11 - 13	13 - 15	15 - 17	< 17
Dark Blue	Blue	Light Blue	Green	Yellow	Orange	Red	Dark Red	Black

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, Microsoft
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:
Combined survey dates 20230307_CS; 20231221_AD_06_1728P000_1734P000;
20240104_AD_05_1710P000_1718P000

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic

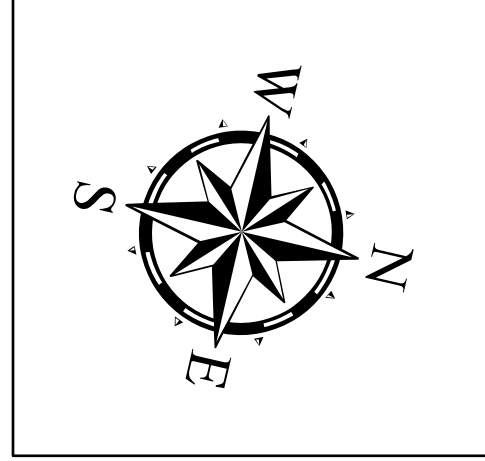
Dredging Reach Extent

0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent

0 170 340 680 Feet

Latest Survey Collection Date: 04 January 2023		Authorized Depth: -13ft.	
Document Page: 16 of 30	Website Index Number: 285	Side Slope Ratio: (Rise : Run)	
Scale: 1:2,000		PDF Print Date: 1/9/2024	
Mapped by: M3AOXPAC			
Additional Imagery info:			



HYDROGRAPHIC SURVEY

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

Station: 1679+500 to 1802+194.92

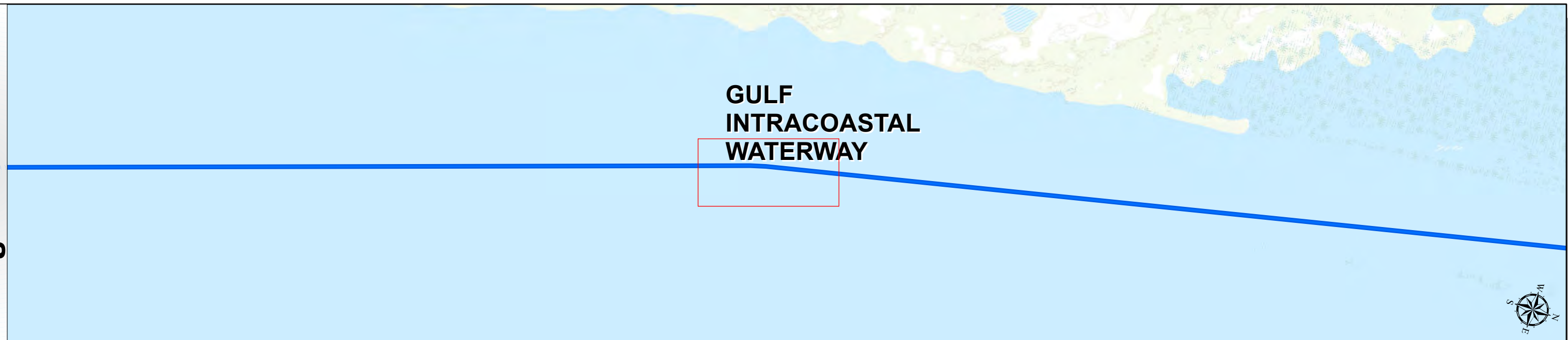
GULF INTRACOASTAL WATERWAY

Banderia Island to Channel to Port Mansfield

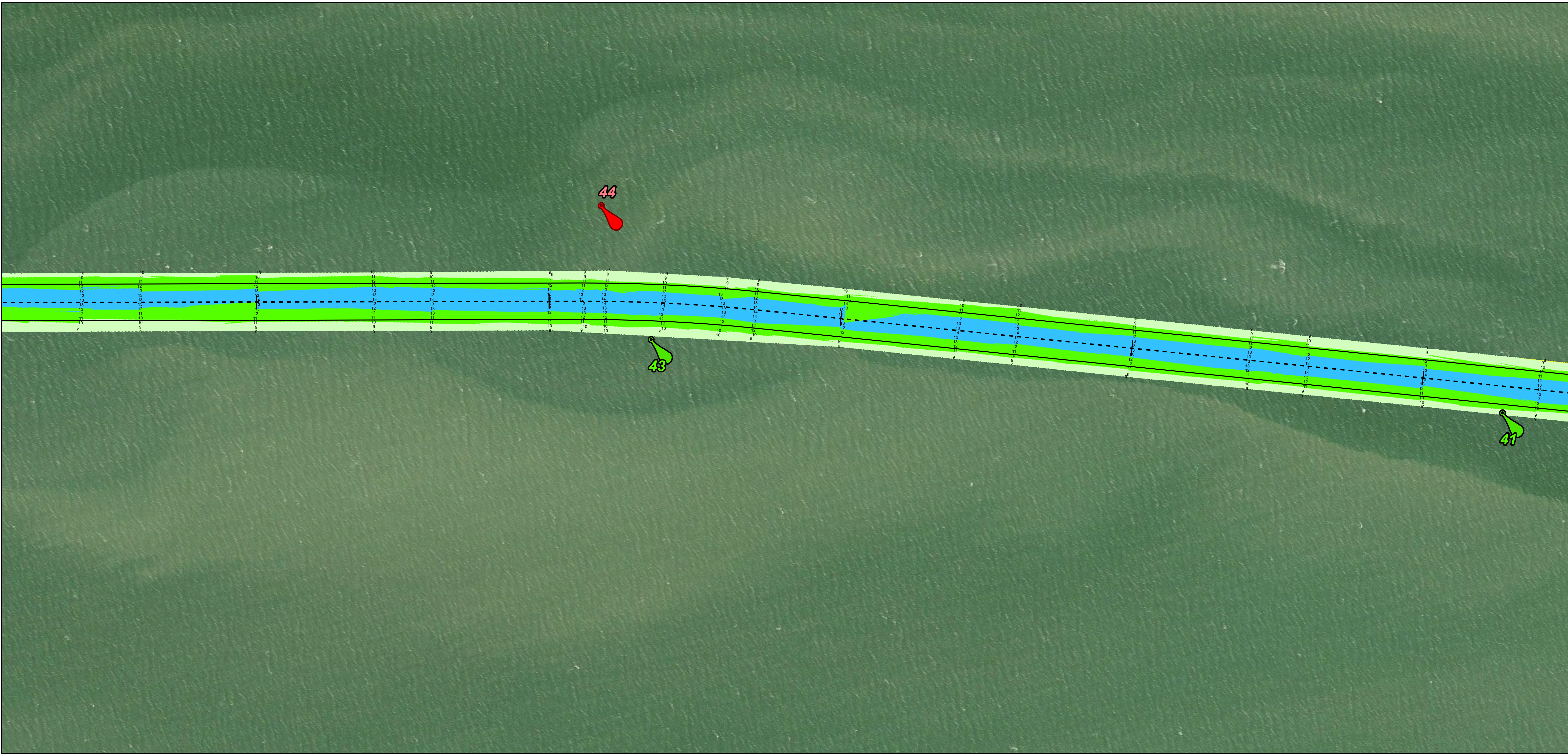
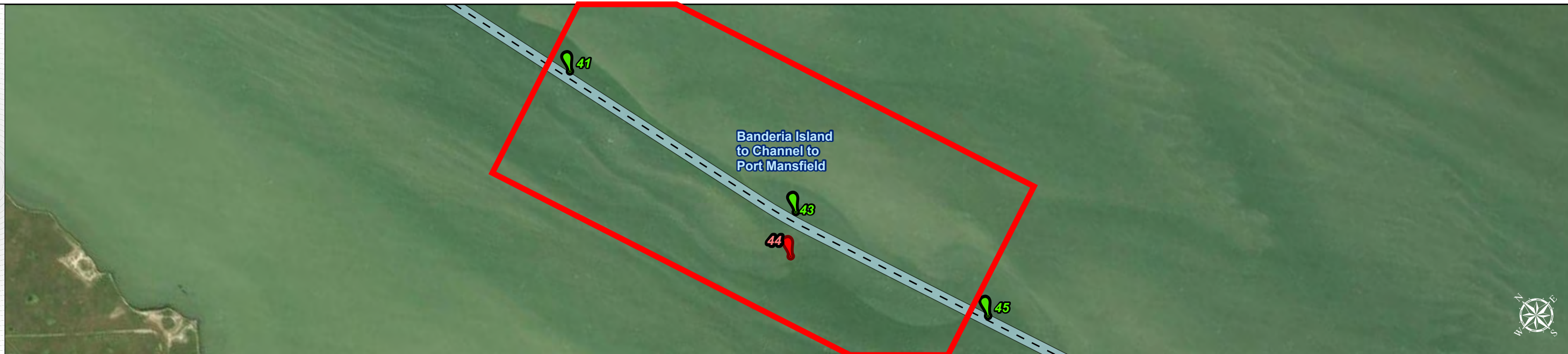
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



Regional Extent



Dredging Reach Extent



Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

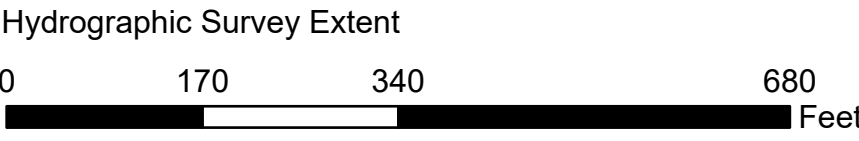
LWD



NOTES:
1. Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
2. Elevations are referenced to low water depth (LWD) datum.
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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, METI/NASA, NGA, EPA, USDA
World Imagery: Maxar, Microsoft
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World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

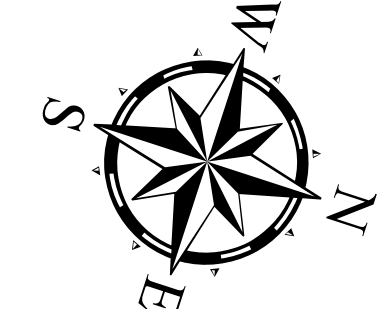
Additional Combined Survey Dates and Stationing:
Combined survey dates 20230307_CS; 20231221_AD_06_1728P000_1734P000;
20240104_AD_05_1710P000_1718P000

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS
Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield



Latest Survey Collection Date: 04 January 2023		Authorized Depth: -13ft.
Document Page: 17 of 30	Side Slope Ratio: (Rise : Run)	
Scale: 1:2,000	PDF Print Date: 1/9/2024	
Mapped by: M3AOXPAC		
Additional Imagery info:		

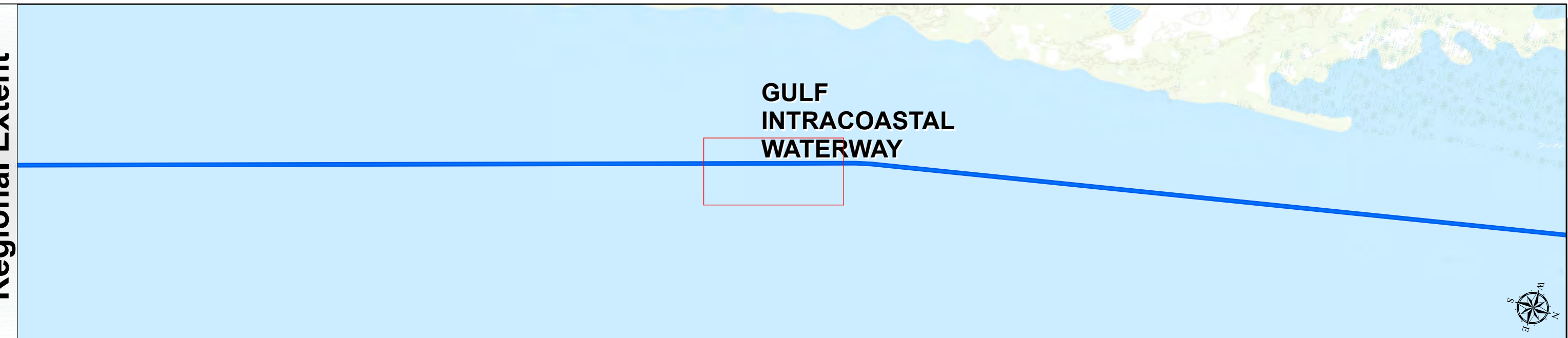
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



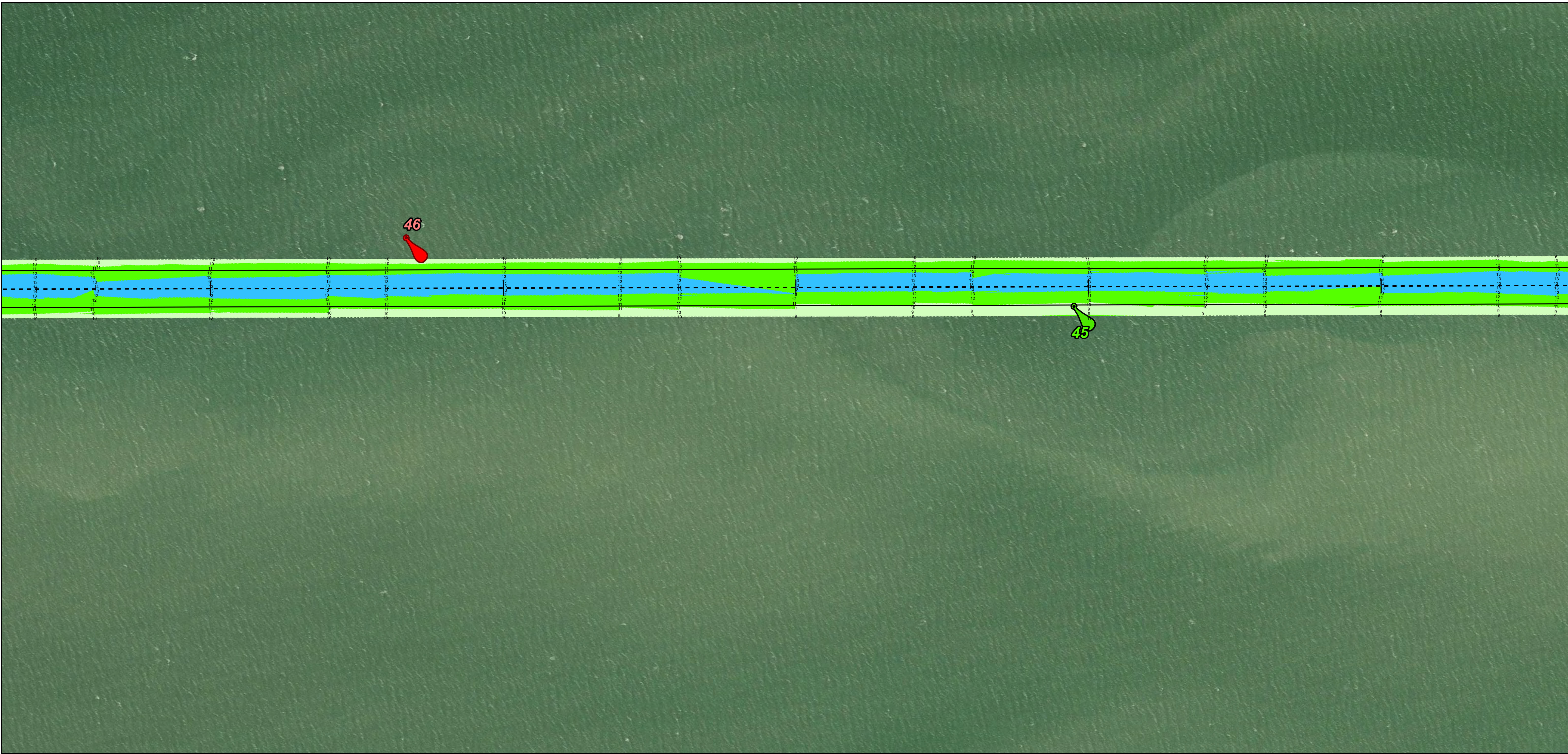
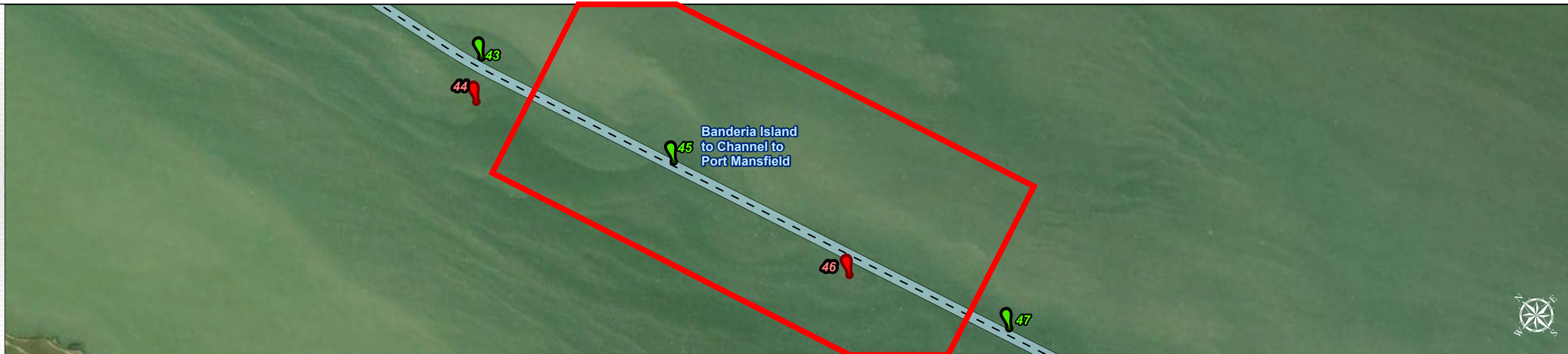
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

LWD



NOTES:

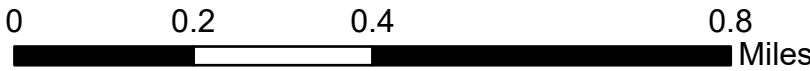
- Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
 - Elevations are referenced to low water depth (LWD) datum.
 - This project was designed by the Galveston District of the U.S. Army Corps of Engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by 47 CFR 111.105-61152.
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- Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA
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World Imagery: Maxar
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:

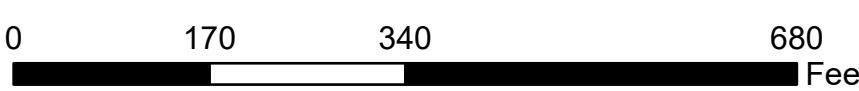
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20240104_AD_05_1710P000_1718P000

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent



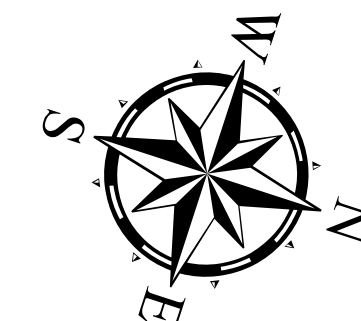
Hydrographic Survey Extent



HYDROGRAPHIC SURVEY

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

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield



Latest Survey Collection Date: 04 January 2023

Document Page: 18 of 30

Scale: 1:2,000

Mapped by: M3AOXPAC

Additional Imagery info:

Authorized Depth: -13ft.

Side Slope Ratio: (Rise : Run)

PDF Print Date: 1/9/2024

Website Index Number: 287

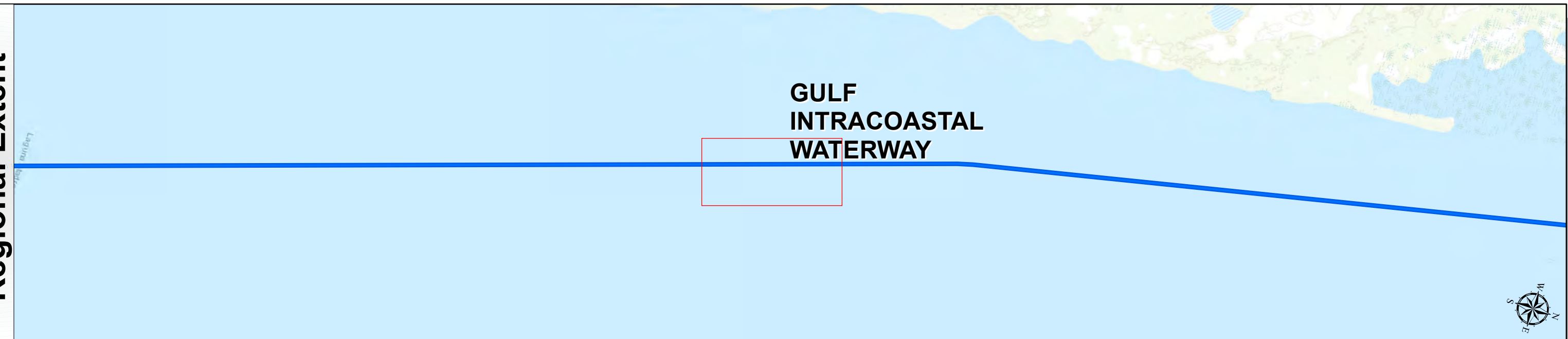
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



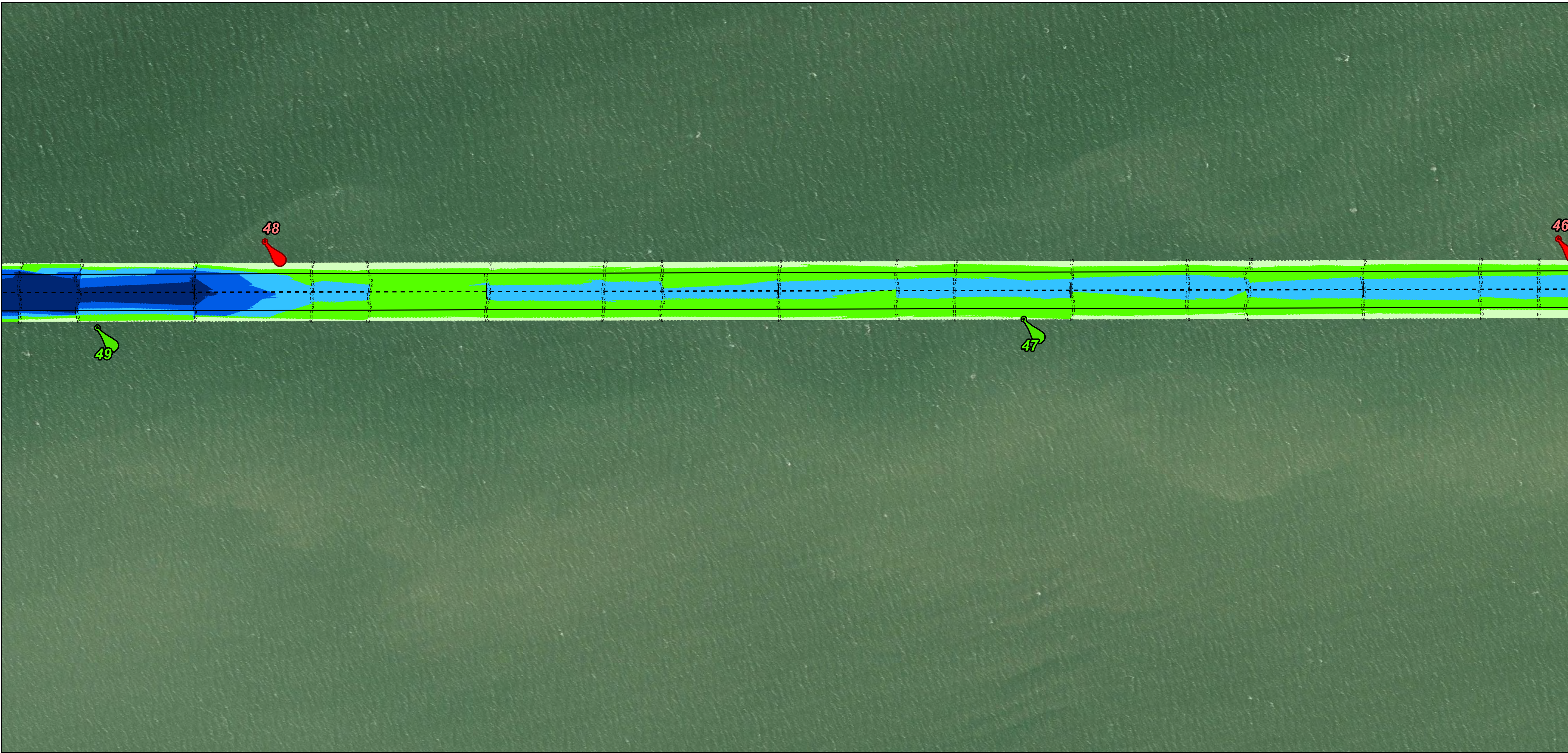
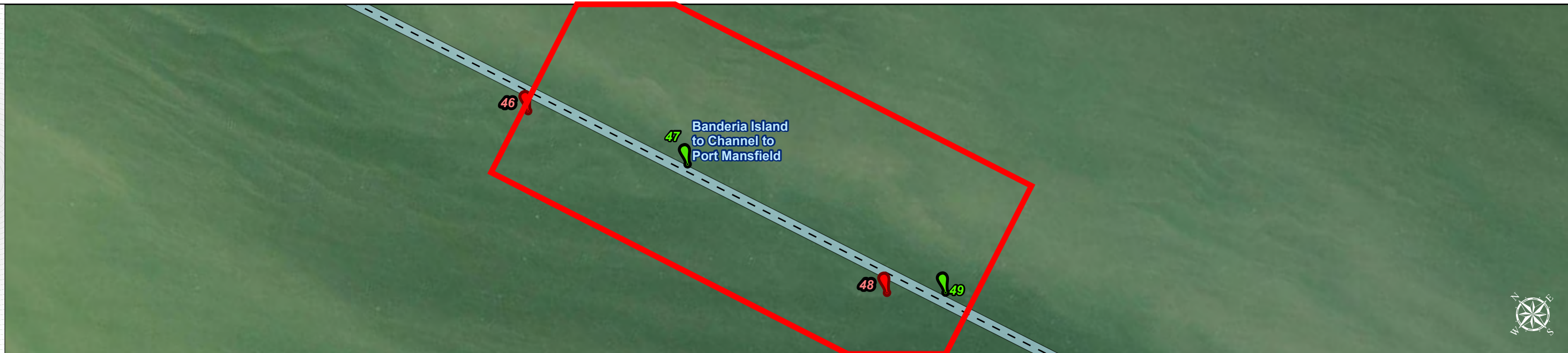
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

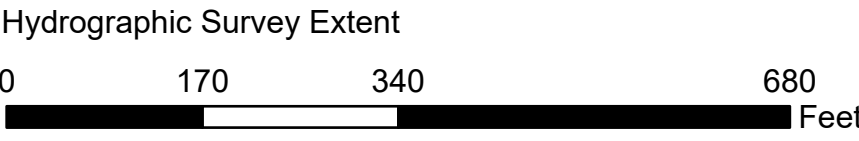
LWD



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

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Combined survey dates 20230307_CS; 20231221_AD_06_1728P000_1734P000;
20240104_AD_05_1710P000_1718P000

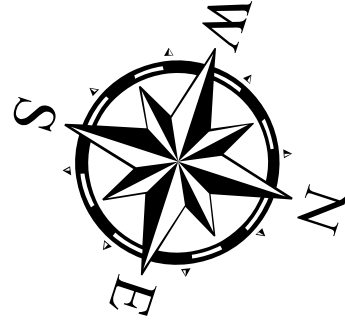
Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

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

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield



Latest Survey Collection Date: 04 January 2023

Document Page: 19 of 30

Scale: 1:2,000

Mapped by: M3AOXPAC

Additional Imagery info:

Authorized Depth: -13ft.

Side Slope Ratio: (Rise : Run)

PDF Print Date: 1/9/2024

Website Index Number: 288

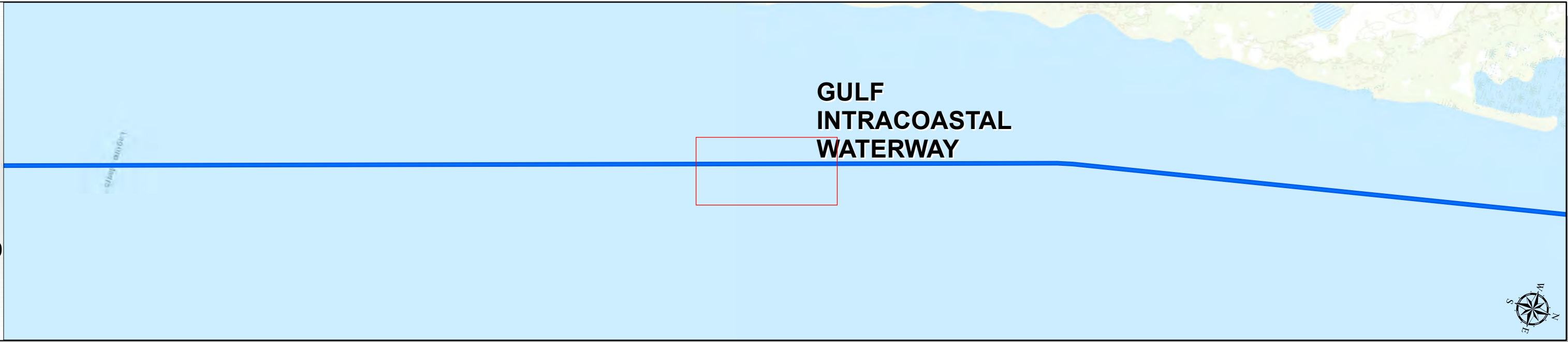
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



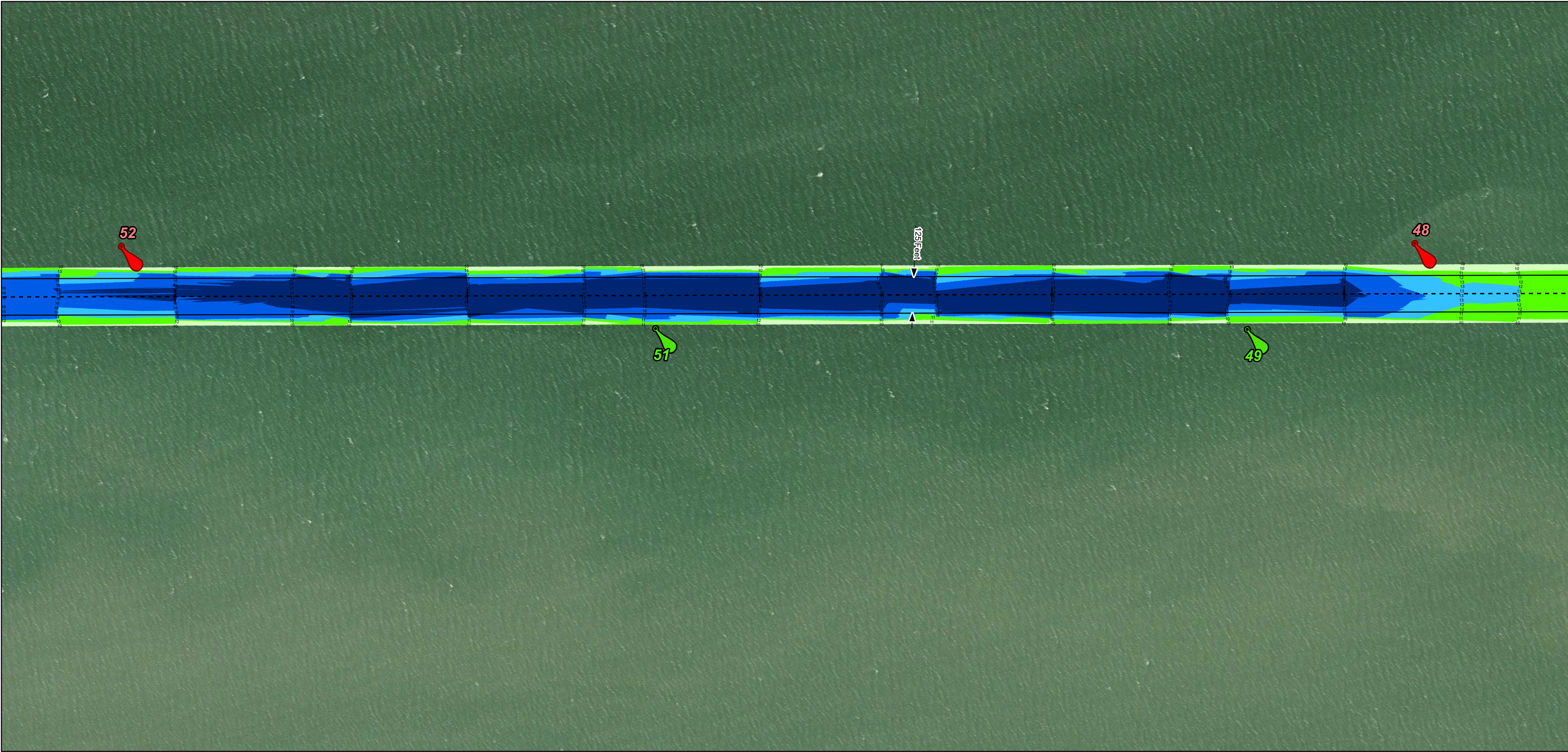
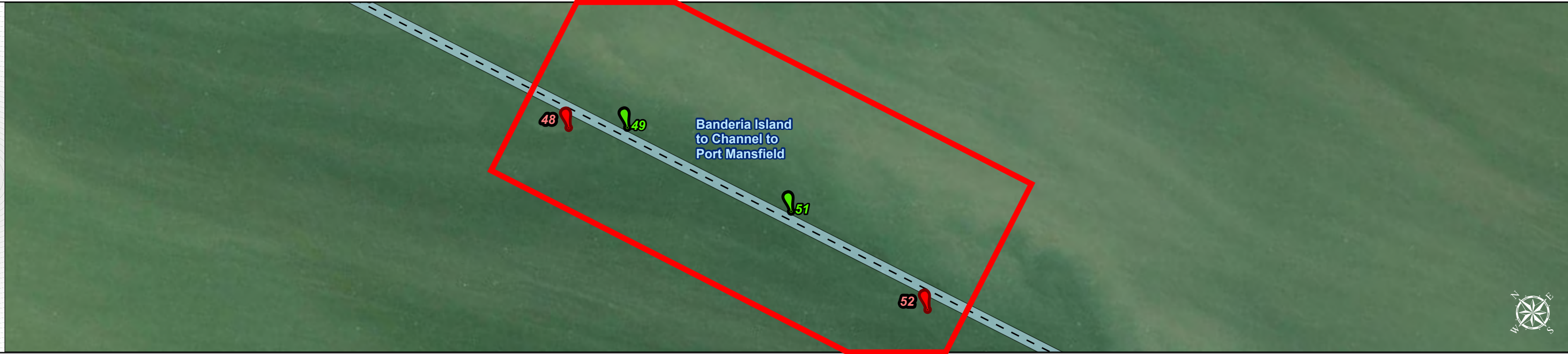
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

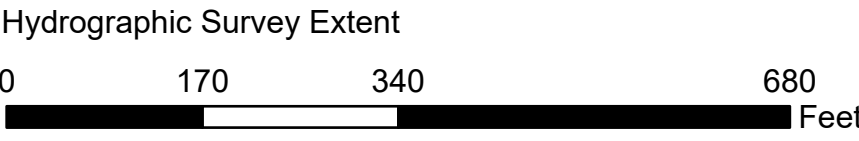
LWD



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

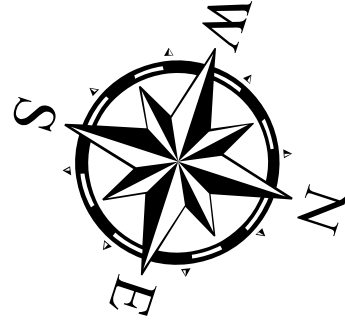
Additional Combined Survey Dates and Stationing:
Combined survey dates 20230307_CS; 20231221_AD_06_1728P000_1734P000;
20240104_AD_05_1710P000_1718P000

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS
Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield



Latest Survey Collection Date: 04 January 2023

Document Page: 20 of 30

Scale: 1:2,000

Mapped by: M3AOXPAC

Additional Imagery info:

Authorized Depth: -13ft.

Side Slope Ratio: 1:1.03 (Rise : Run)

PDF Print Date: 1/9/2024

Website Index Number: 289

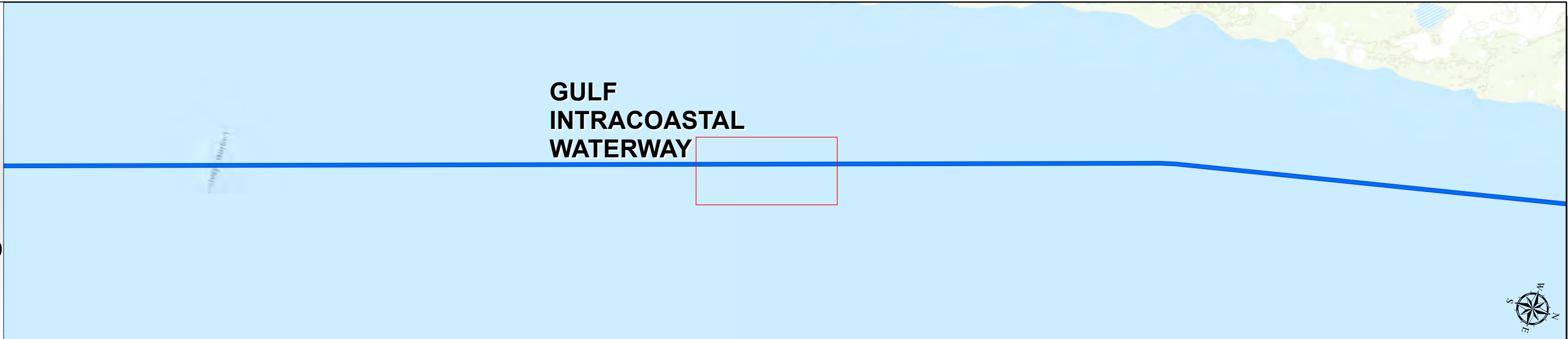
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



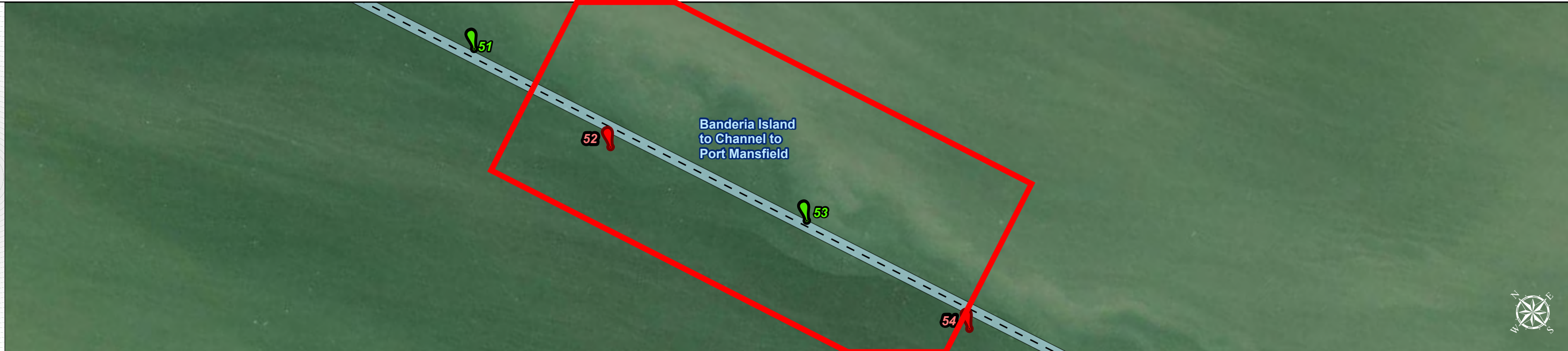
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



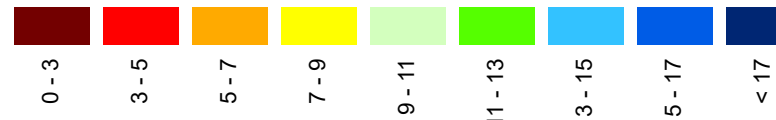
Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

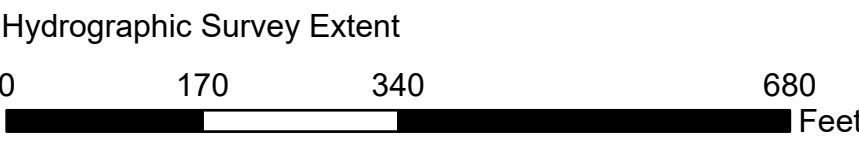
LWD



NOTES:
1. Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
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World Imagery: Maxar, Microsoft
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World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

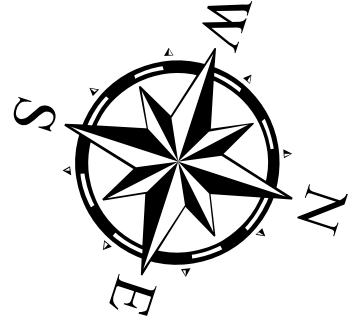
Additional Combined Survey Dates and Stationing:
Combined survey dates 20230307_CS; 20231221_AD_06_1728P000_1734P000;
20240104_AD_05_1710P000_1718P000

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS
Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield



Latest Survey Collection Date: 04 January 2023		Authorized Depth: -13ft.	
Document Page: 21 of 30	Website Index Number: 290	Side Slope Ratio: 1:1.03 (Rise : Run)	
Scale: 1:2,000		PDF Print Date: 1/9/2024	
Mapped by: M3AOXPAC			
Additional Imagery info:			

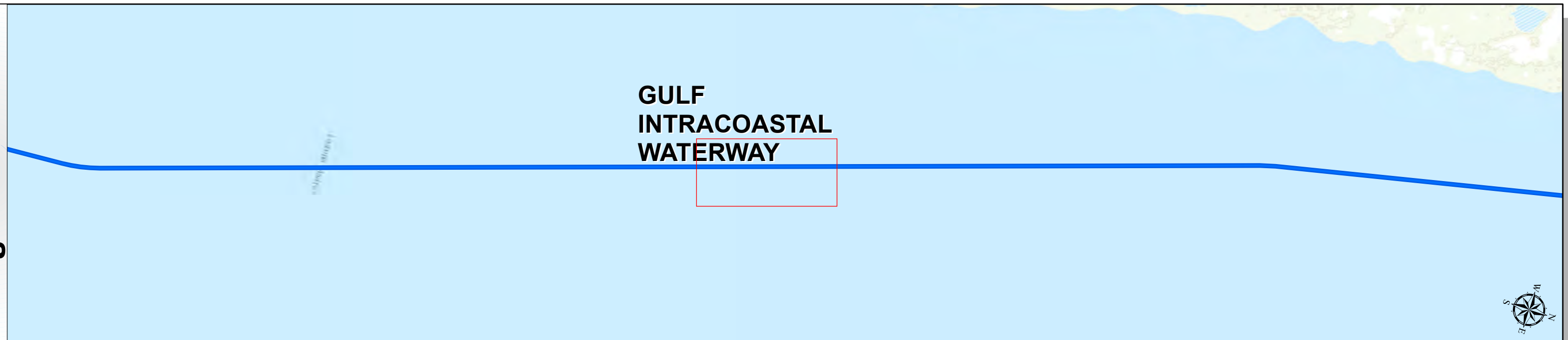
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



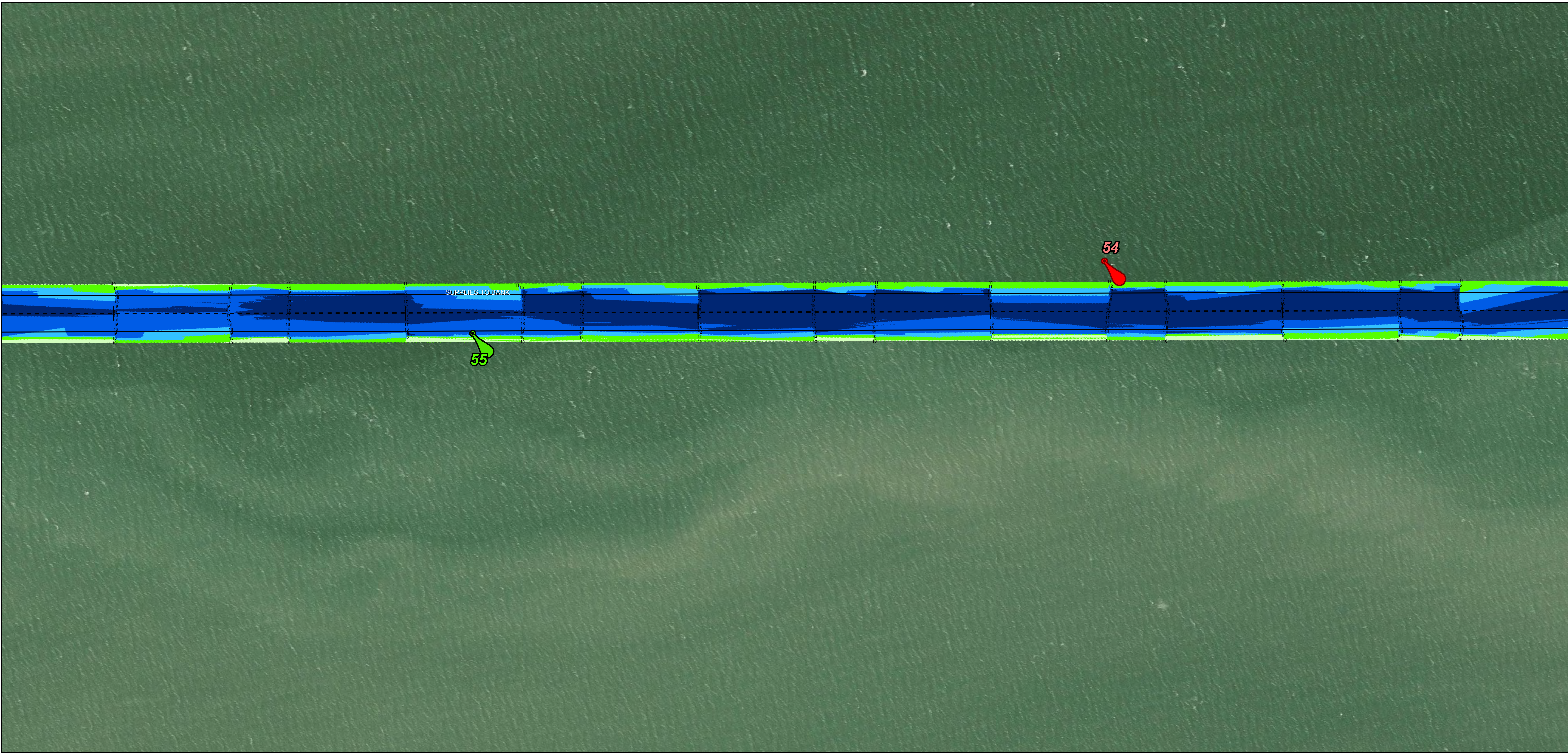
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



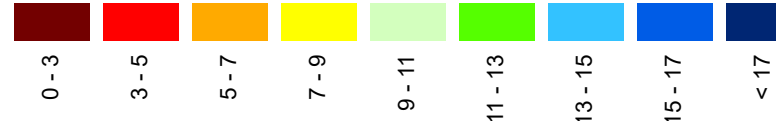
Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

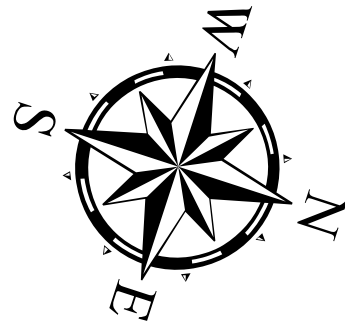
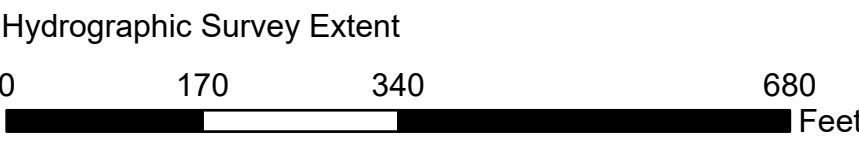
LWD



NOTES:
1. Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
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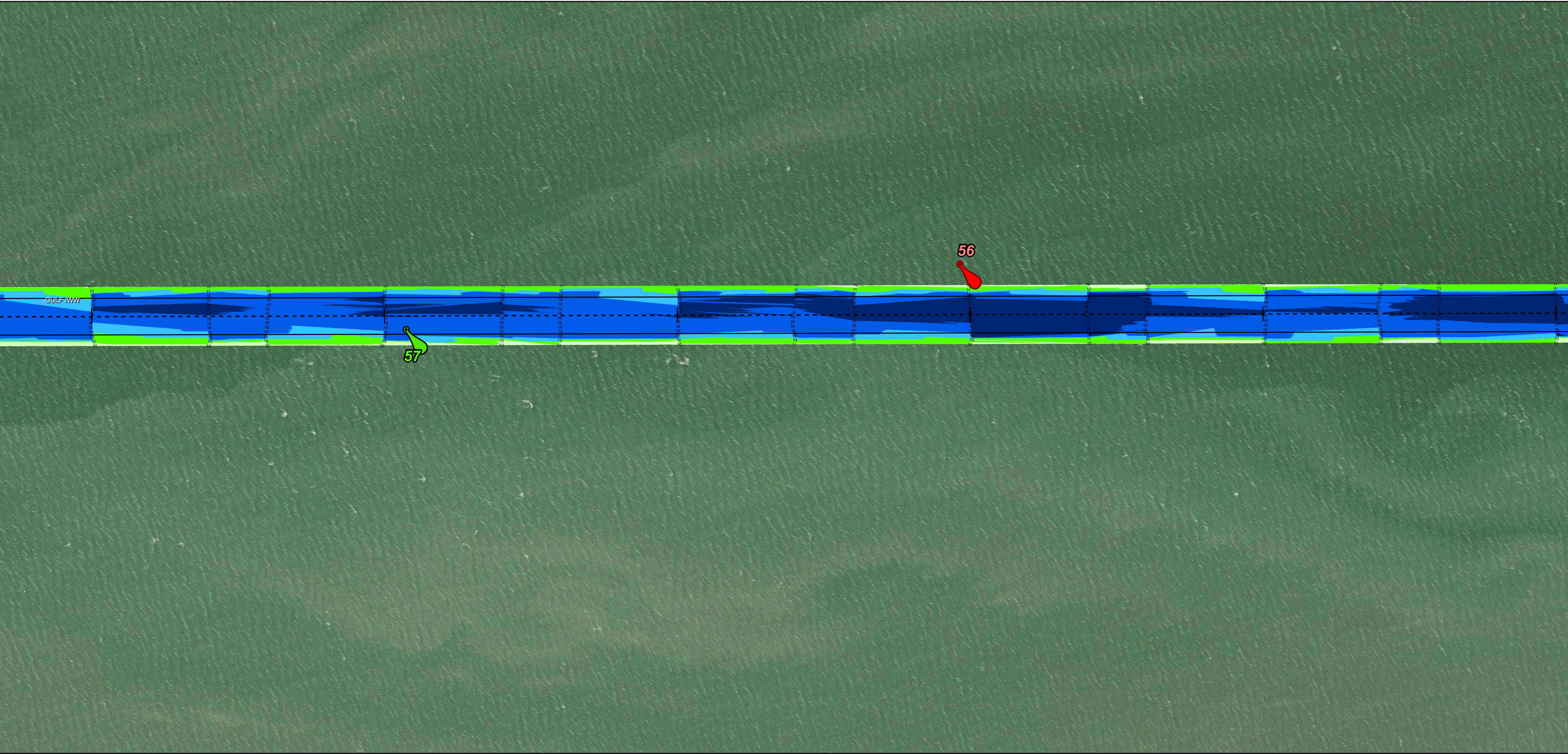
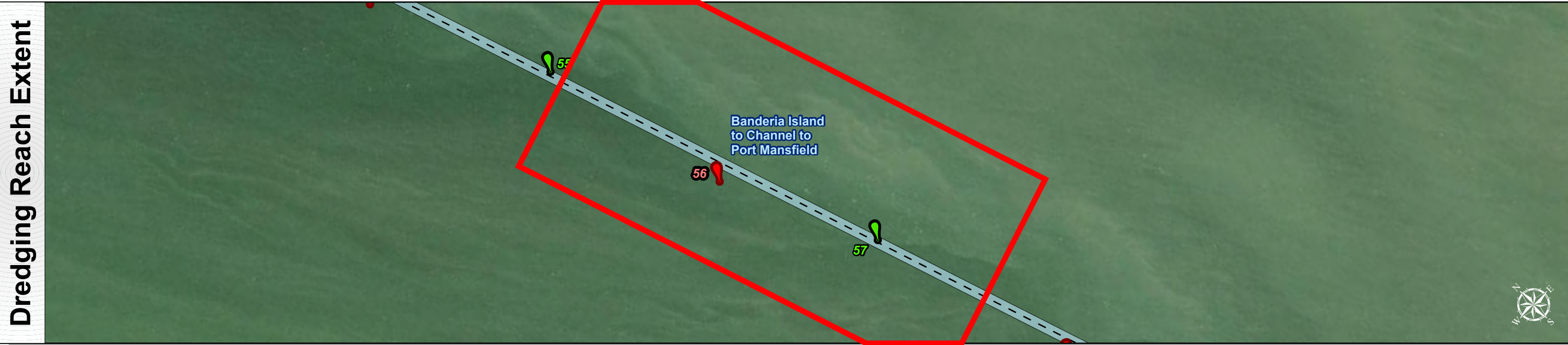
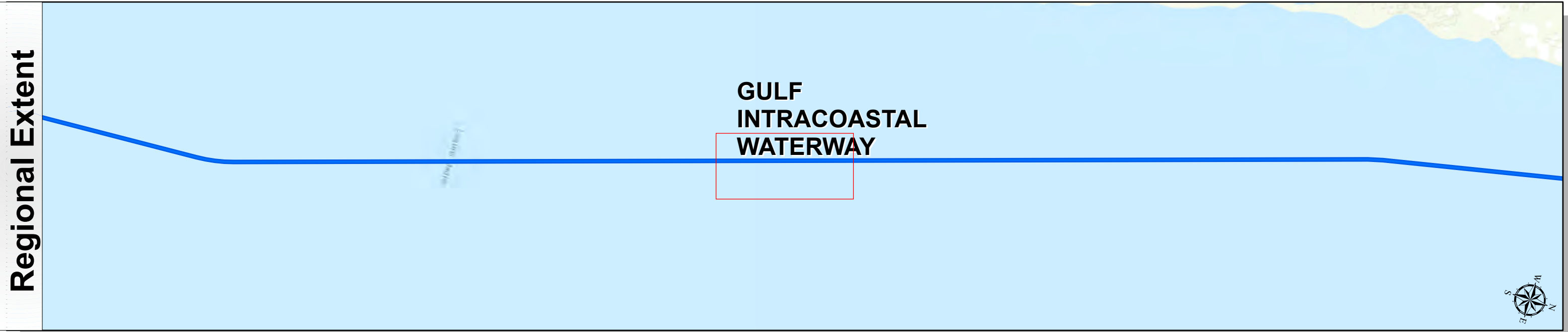
Additional Combined Survey Dates and Stationing:
Combined survey dates 20230307_CS; 20231221_AD_06_1728P000_1734P000;
20240104_AD_05_1710P000_1718P000

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS
Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

LWD

0 - 3	3 - 5	5 - 7	7 - 9	9 - 11	11 - 13	13 - 15	15 - 17	< 17
Dark Blue	Red	Orange	Yellow	Light Green	Green	Light Blue	Dark Blue	Dark Blue

NOTES:

- Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
- Elevations are referenced to low water depth (LWD) 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
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Additional Combined Survey Dates and Stationing:

Combined survey dates 20230307_CS; 20231221_AD_06_1728P000_1734P000;
20240104_AD_05_1710P000_1718P000

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic

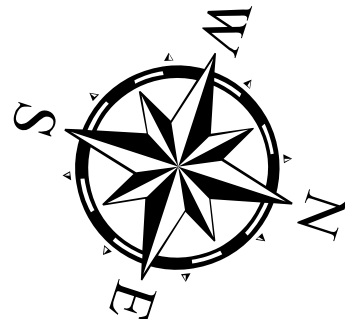
Dredging Reach Extent

0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent

0 170 340 680 Feet

Latest Survey Collection Date: 04 January 2023		Authorized Depth: -13ft.	
Document Page: 23 of 30	Website Index Number: 292	Side Slope Ratio: 1:1.03 (Rise : Run)	
Scale: 1:2,000		PDF Print Date: 1/9/2024	
Mapped by: M3AOXPAC			
Additional Imagery info:			



HYDROGRAPHIC SURVEY

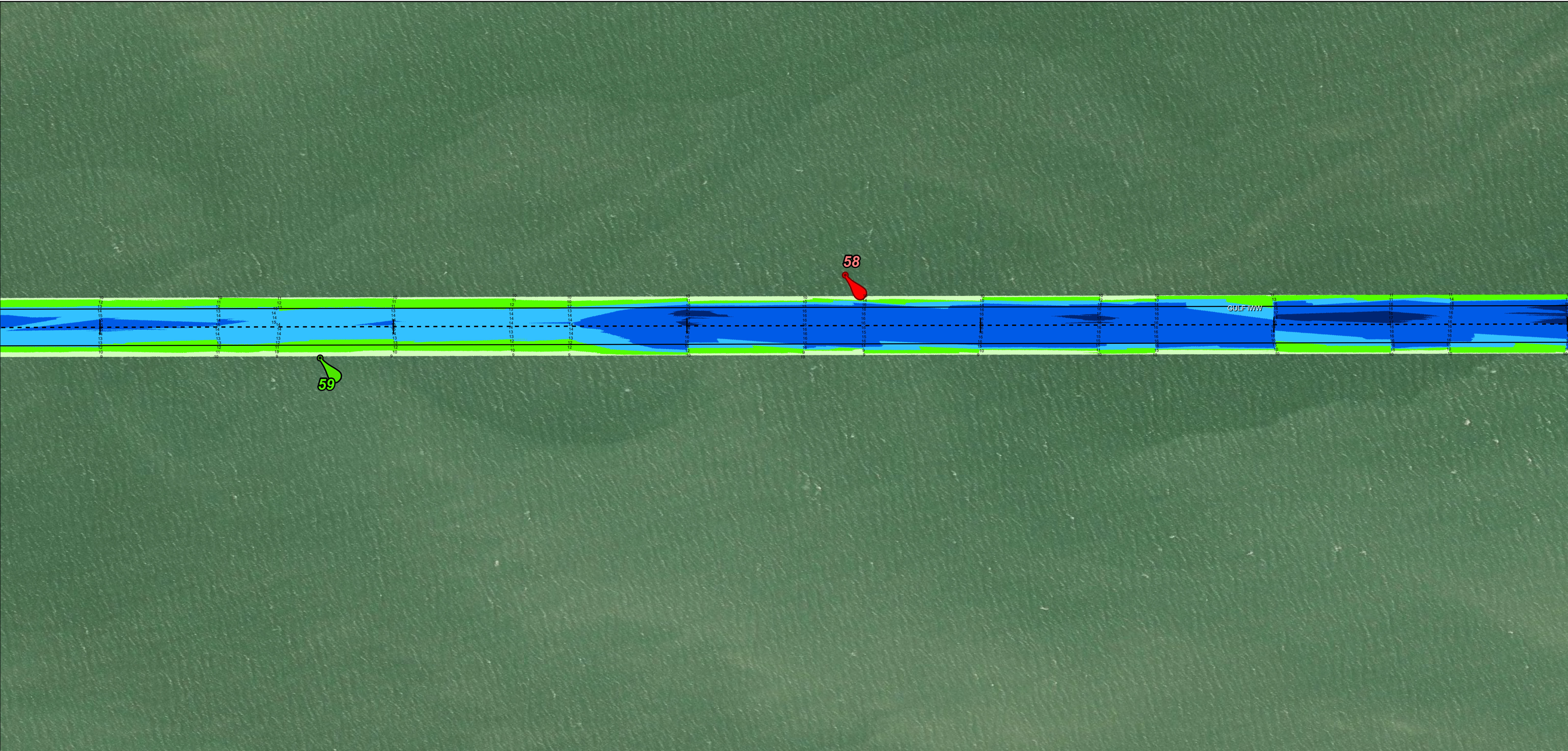
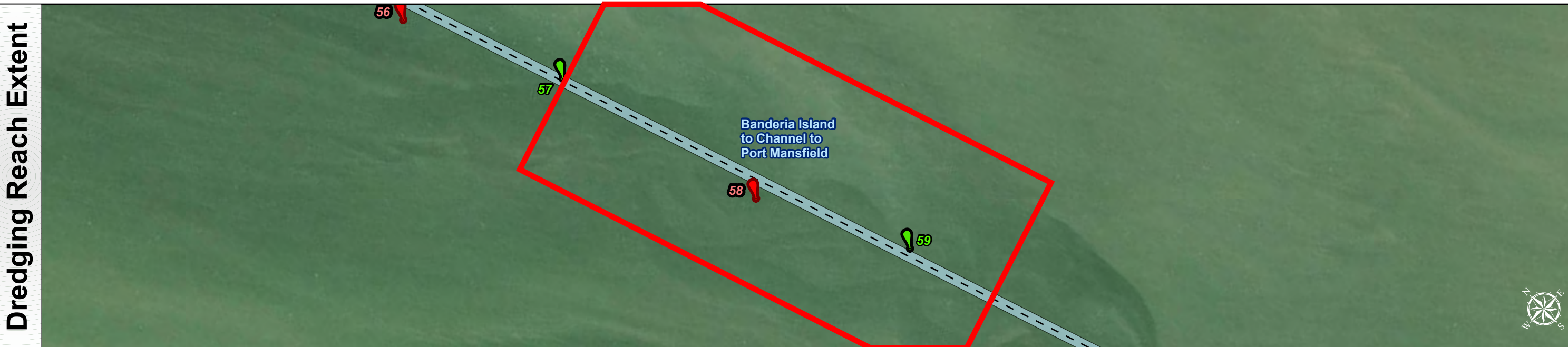
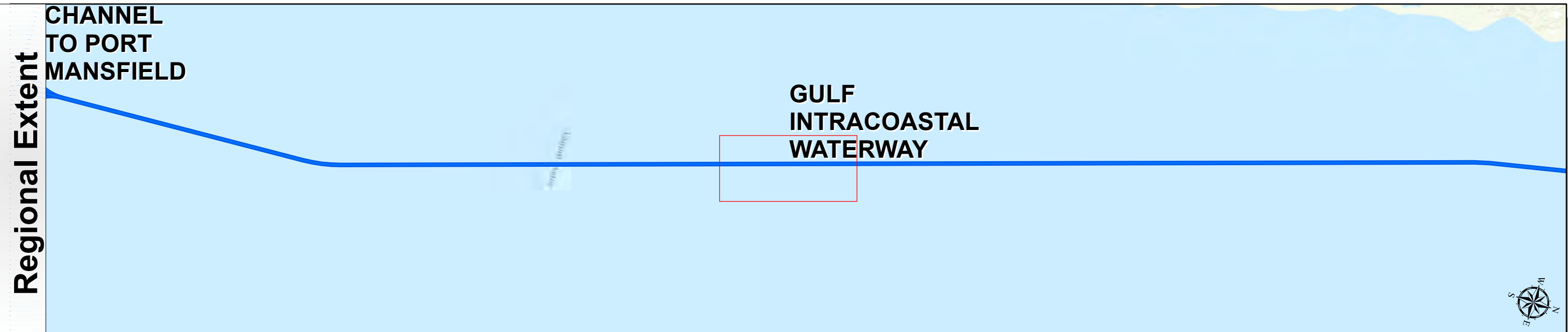
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92

GULF INTRACOASTAL WATERWAY

Banderia Island to Channel to Port Mansfield

Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

LWD

0 - 3	3 - 5	5 - 7	7 - 9	9 - 11	11 - 13	13 - 15	15 - 17	< 17
Dark Blue	Red	Orange	Yellow	Light Green	Green	Light Blue	Blue	Dark Blue

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

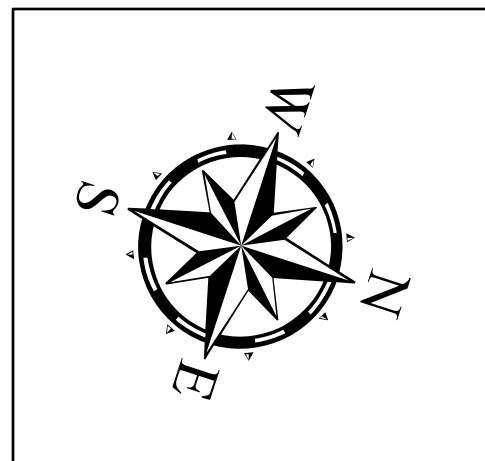
Additional Combined Survey Dates and Stationing:
Combined survey dates 20230307_CS; 20231221_AD_06_1728P000_1734P000;
20240104_AD_05_1710P000_1718P000

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent

Hydrographic Survey Extent

Latest Survey Collection Date: 04 January 2023		Authorized Depth: -13ft.
Document Page: 24 of 30	Website Index Number: 293	Side Slope Ratio: 1:1.03 (Rise : Run)
Scale: 1:2,000		
Mapped by: M3AOXPAC		
Additional Imagery info:		



HYDROGRAPHIC SURVEY

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

Station: 1679+500 to 1802+194.92

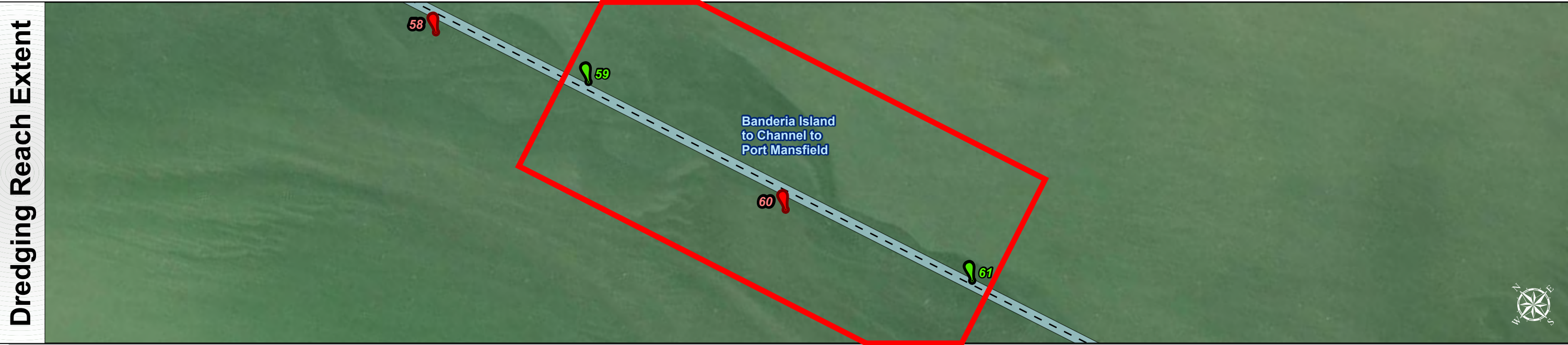
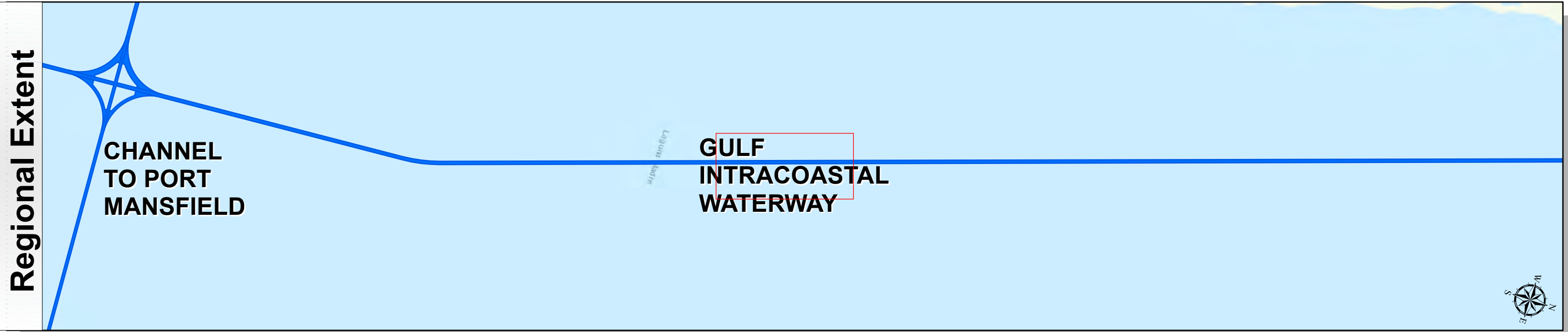
GULF INTRACOASTAL WATERWAY

Banderia Island to Channel to Port Mansfield

Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

LWD

0 - 3	3 - 5	5 - 7	7 - 9	9 - 11	11 - 13	13 - 15	15 - 17	< 17
Dark Blue	Red	Orange	Yellow	Light Green	Green	Light Blue	Dark Blue	Dark Blue

NOTES:

- Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
- Elevations are referenced to low water depth (LWD) 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 111.101-111.102.
- 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
- 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, Microsoft
World Imagery: Maxar
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:

Combined survey dates 20230307_CS; 20231221_AD_06_1728P000_1734P000;
20240104_AD_05_1710P000_1718P000

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic

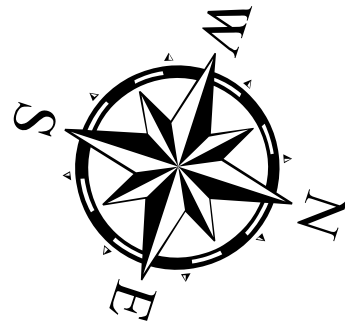
Dredging Reach Extent

0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent

0 170 340 680 Feet

Latest Survey Collection Date: 04 January 2023	Authorized Depth: -13ft.	
	Document Page: 25 of 30	Side Slope Ratio: 1:1.03 (Rise : Run)
Scale: 1:2,000		PDF Print Date: 1/9/2024
Mapped by: M3AOXPAC		
Additional Imagery info:		

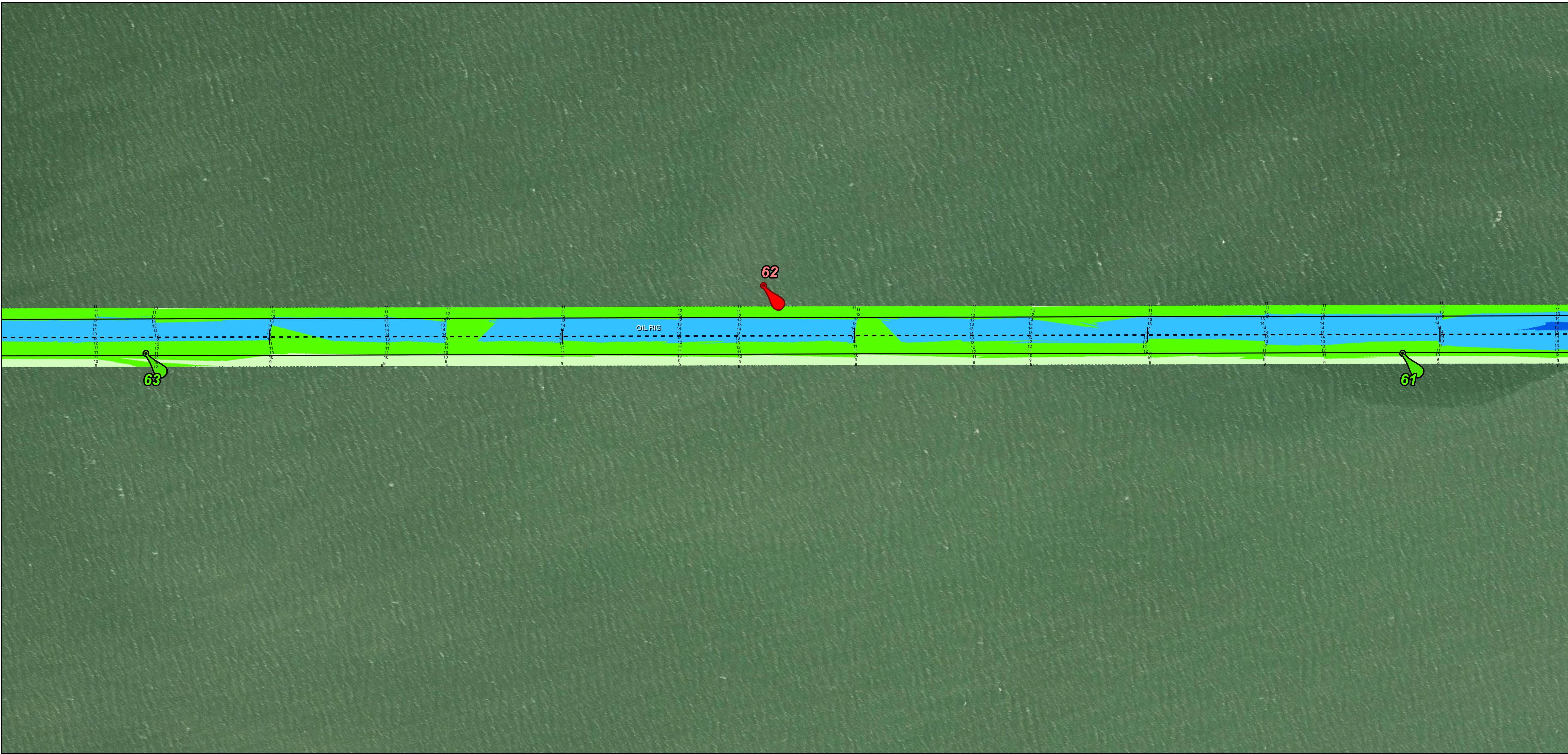
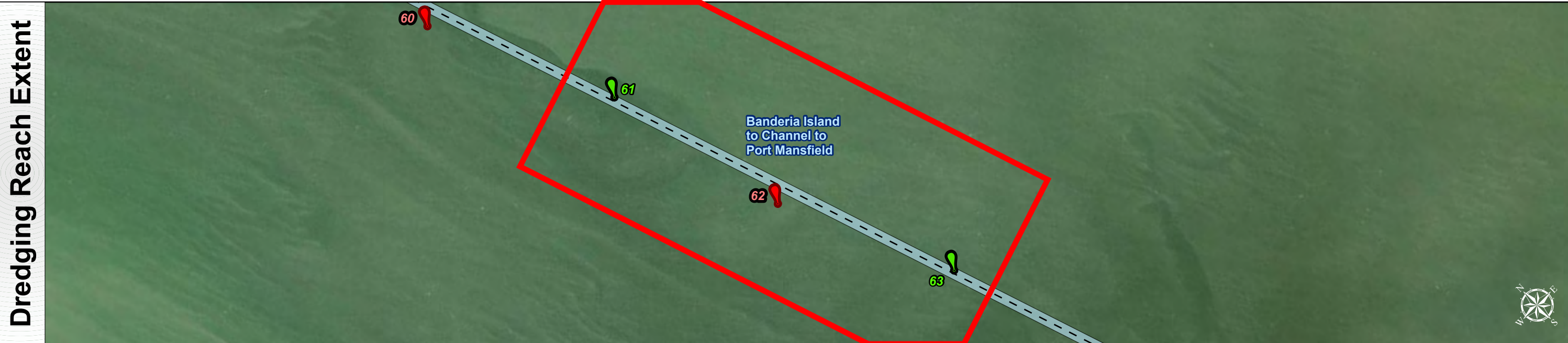
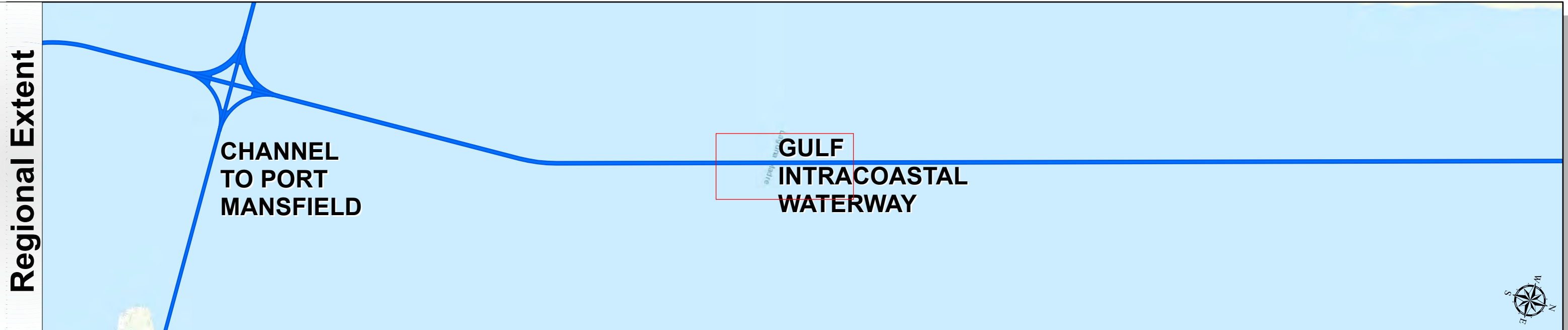


HYDROGRAPHIC SURVEY
U.S. ARMY CORPS OF ENGINEERS
GALVESTON, TEXAS
Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

LWD

0 - 3	3 - 5	5 - 7	7 - 9	9 - 11	11 - 13	13 - 15	15 - 17	< 17
Dark Blue	Red	Orange	Yellow	Light Green	Green	Light Blue	Blue	Dark Blue

NOTES:
1. Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
2. Elevations are referenced to low water depth (LWD) 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 er11105-6152.
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 or 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, Microsoft
World Imagery: Maxar
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:
Combined survey dates 20230307_CS; 20231221_AD_06_1728P000_1734P000;
20240104_AD_05_1710P000_1718P000

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic

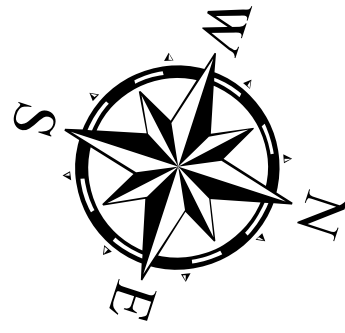
Dredging Reach Extent

0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent

0 170 340 680 Feet

Latest Survey Collection Date: 04 January 2023		Authorized Depth: -13ft.	
Document Page: 26 of 30	Website Index Number: 295	Side Slope Ratio: 1:1.03 (Rise : Run)	
Scale: 1:2,000		PDF Print Date: 1/9/2024	
Mapped by: M3AOXPAC			
Additional Imagery info:			



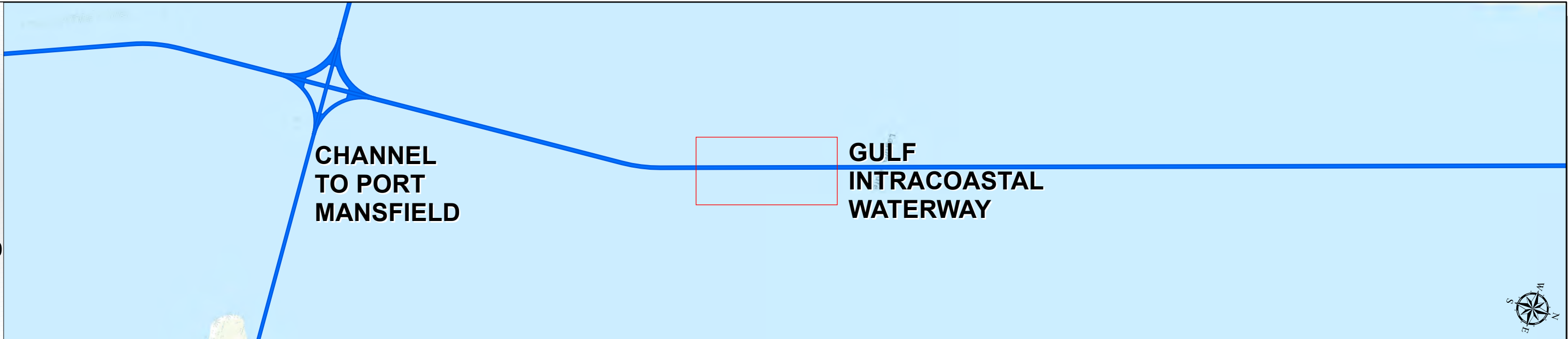
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

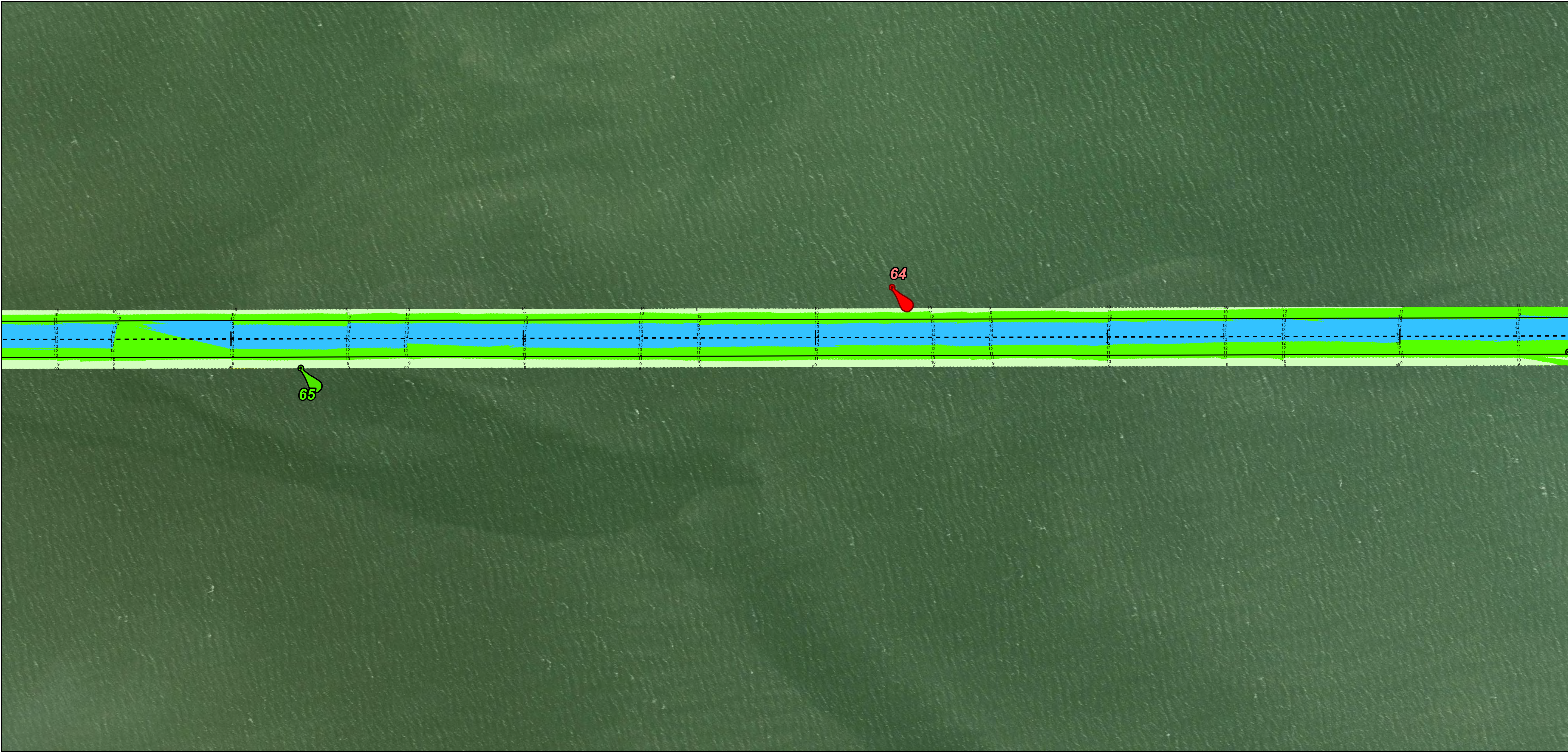
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



Regional Extent



Dredging Reach Extent



Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

LWD



NOTES:
1. Horizontal coordinates are referenced to texas state plane coordinate system, south central zone nad83 us survey feet.
2. Elevations are referenced to low water depth (LWD) 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 er1110-6152.
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
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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, Microsoft
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World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

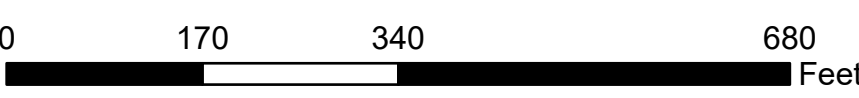
Additional Combined Survey Dates and Stationing:
Combined survey dates 20230307_CS; 20231221_AD_06_1728P000_1734P000;
20240104_AD_05_1710P000_1718P000

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent

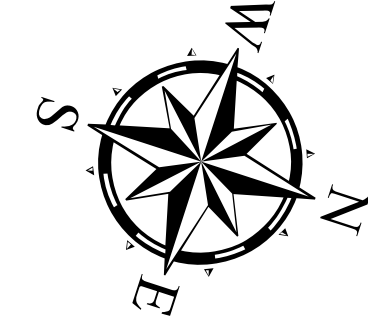


Hydrographic Survey Extent



HYDROGRAPHIC SURVEY

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS
Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield



Latest Survey Collection Date: 04 January 2023

Document Page: 27 of 30

Website Index Number: 296

Authorized Depth: -13ft.

Side Slope Ratio: 1:1.03 (Rise : Run)

PDF Print Date: 1/9/2024

Mapped by: M3AOXPAC

Additional Imagery info:

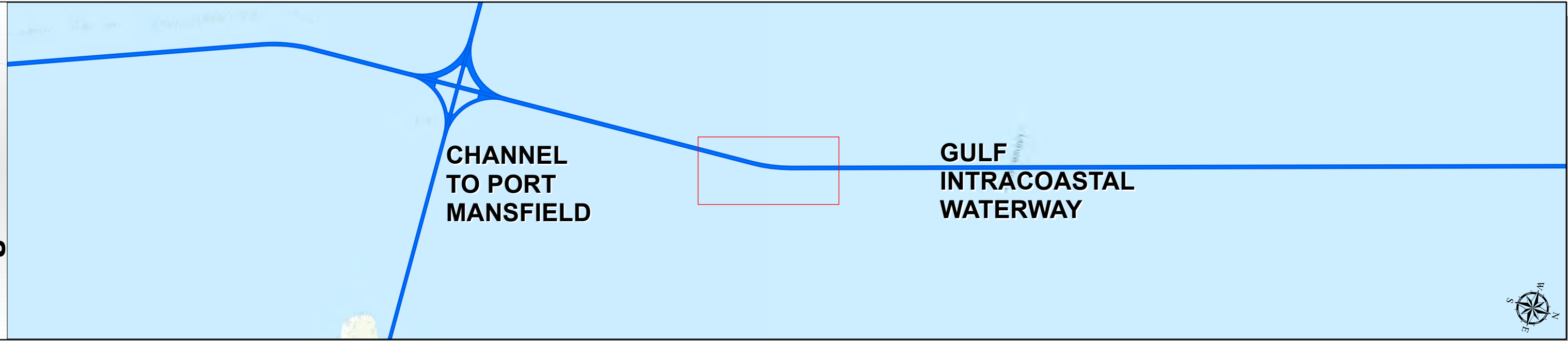
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



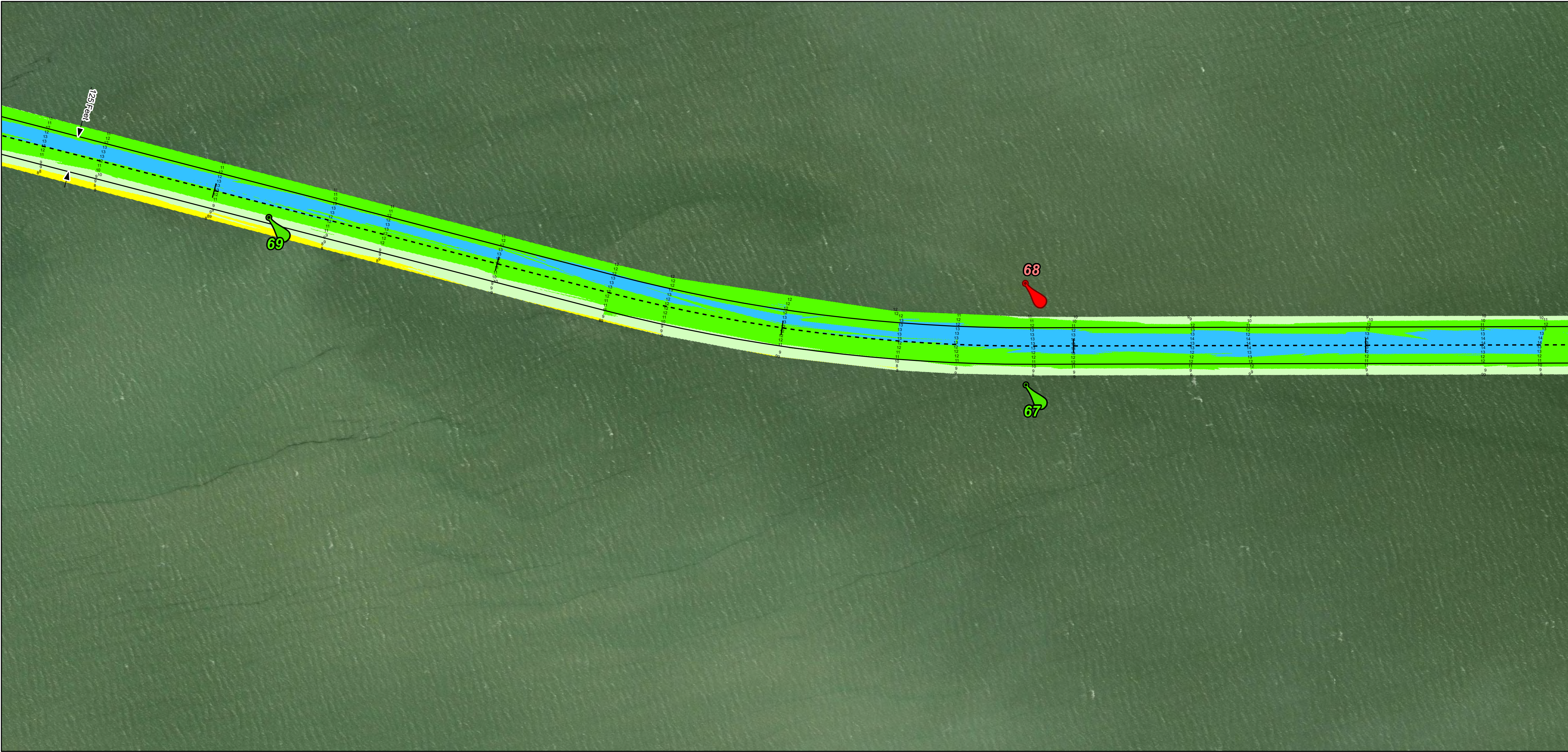
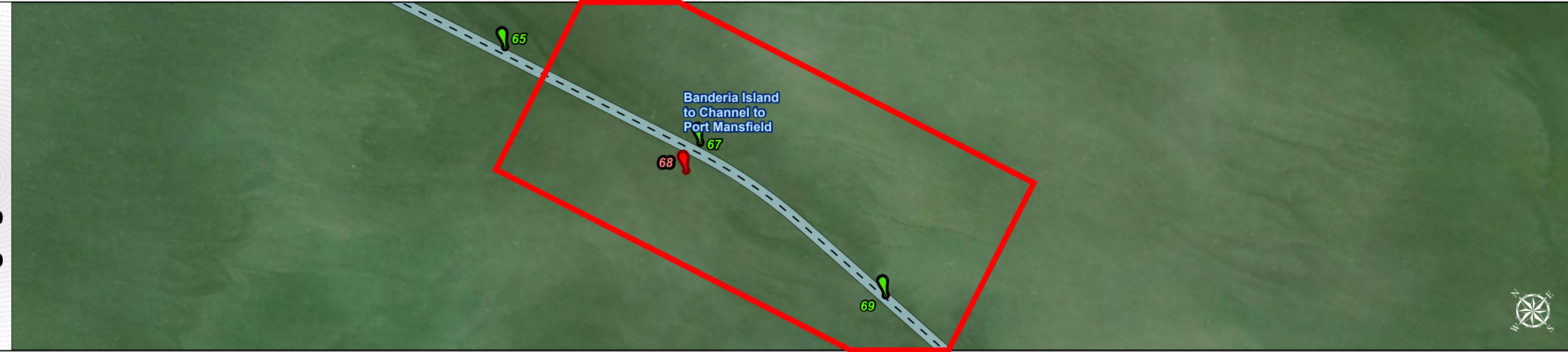
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



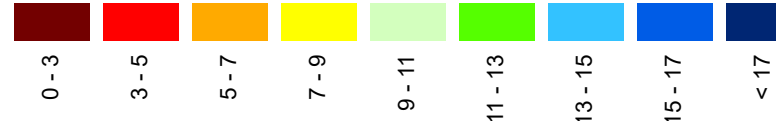
Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

LWD

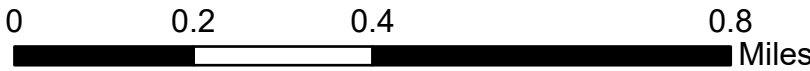


NOTES:
1. Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
2. Elevations are referenced to low water depth (LWD) datum.
3. This project was designed by the Galveston District of the U.S. Army Corps of Engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by 47 CFR 110.1-110.12.
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.
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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, Microsoft
World Imagery: Maxar
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

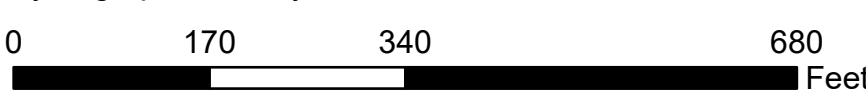
Additional Combined Survey Dates and Stationing:
Combined survey dates 20230307_CS; 20231221_AD_06_1728P000_1734P000;
20240104_AD_05_1710P000_1718P000

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent



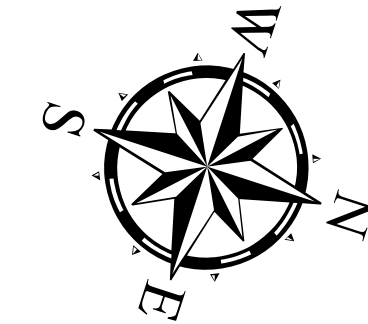
Hydrographic Survey Extent



HYDROGRAPHIC SURVEY

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

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield



Latest Survey Collection Date: 04 January 2023

Document Page: 28 of 30

Website Index Number: 297

Scale: 1:2,000

Mapped by: M3AOXPAC

Additional Imagery info:

Authorized Depth: -13ft.

Side Slope Ratio: 1:1.03 (Rise : Run)

PDF Print Date: 1/9/2024

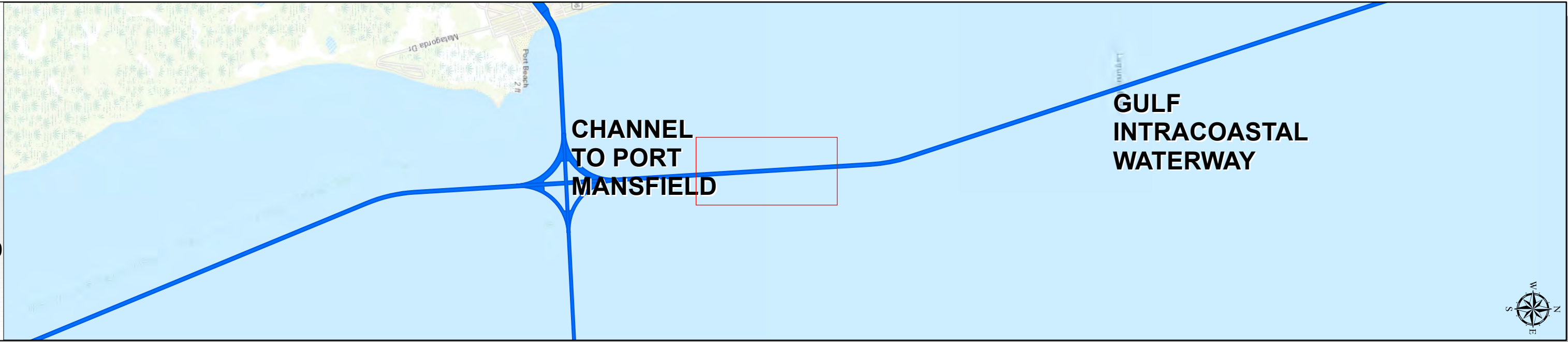
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

LWD



NOTES:
1. Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
2. Elevations are referenced to low water depth (LWD) 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 47 CFR 111.101-111.102.
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.
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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, Microsoft
World Imagery: Maxar
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

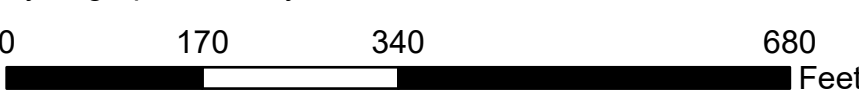
Additional Combined Survey Dates and Stationing:
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20240104_AD_05_1710P000_1718P000

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent

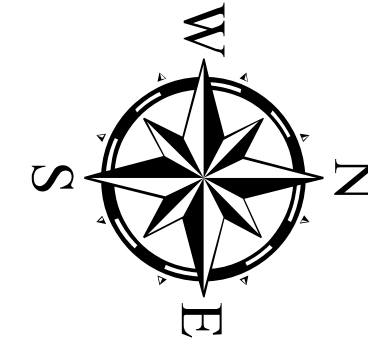


Hydrographic Survey Extent



HYDROGRAPHIC SURVEY

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS
Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield



Latest Survey Collection Date: 04 January 2023

Document Page: 29 of 30

Scale: 1:2,000

Mapped by: M3AOXPAC

Additional Imagery info:

Authorized Depth: -13ft.
Side Slope Ratio: 1:1.03 (Rise : Run)
PDF Print Date: 1/9/2024

Website Index Number: 298

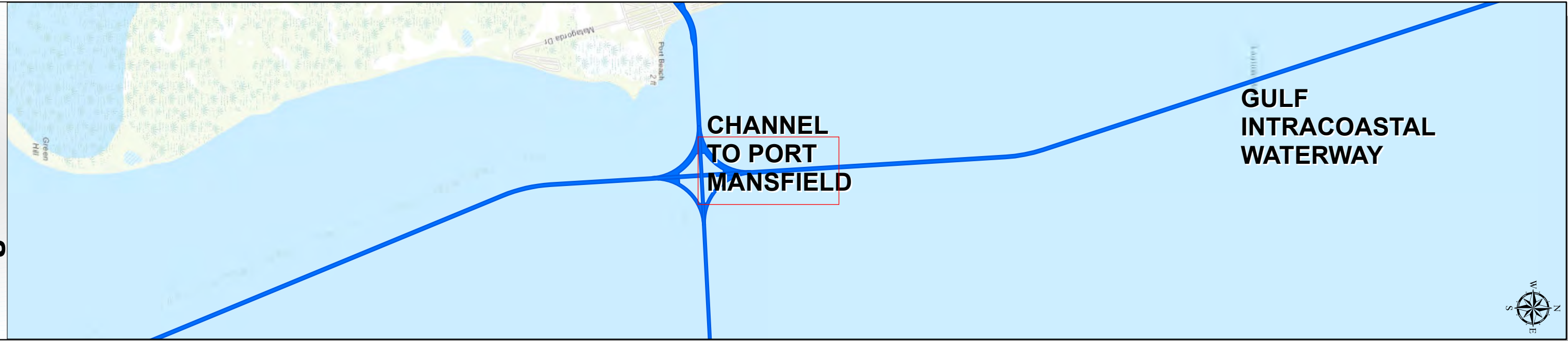
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



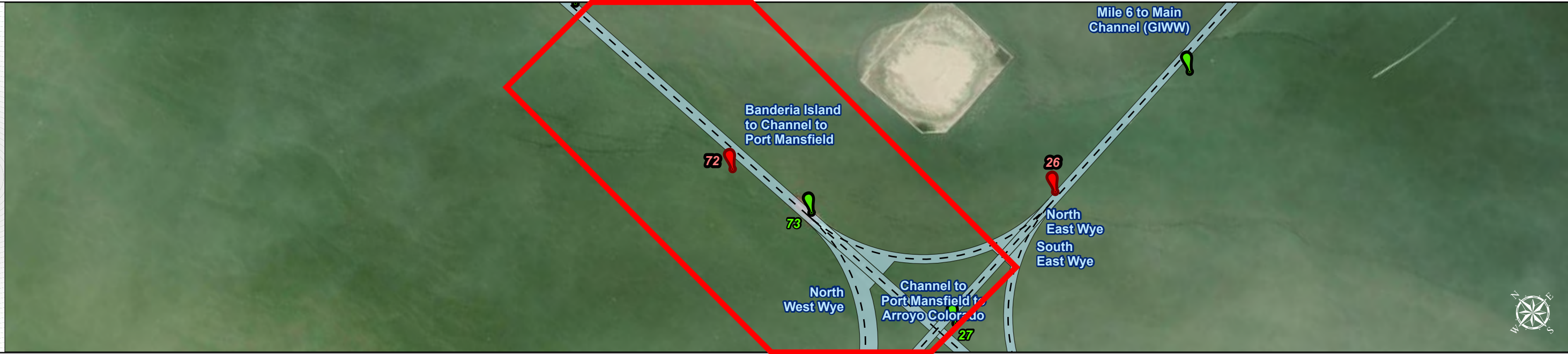
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



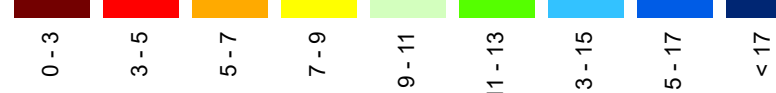
Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

LWD



NOTES:
1. Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
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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 48 CFR 117.110-1 and 117.112.
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.
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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, Microsoft
World Imagery: Maxar
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Combined survey dates 20230307_CS; 20231221_AD_06_1728P000_1734P000;
20240104_AD_05_1710P000_1718P000

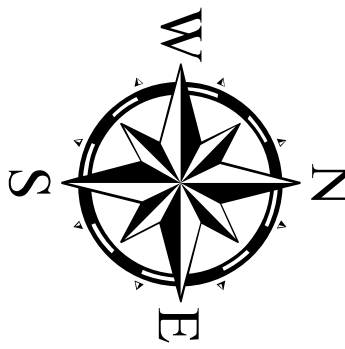
Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent
0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent
0 170 340 680 Feet

HYDROGRAPHIC SURVEY

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS
Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield



Latest Survey Collection Date: 04 January 2023

Document Page: 30 of 30

Scale: 1:2,000

Mapped by: M3AOXPAC

Additional Imagery info:

Authorized Depth: -13ft.

Side Slope Ratio: 1:1.03 (Rise : Run)

PDF Print Date: 1/9/2024