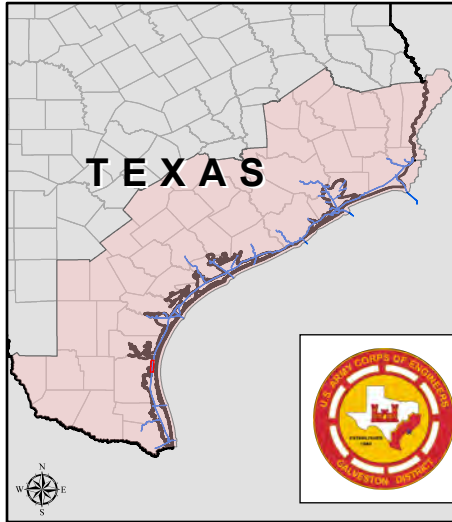


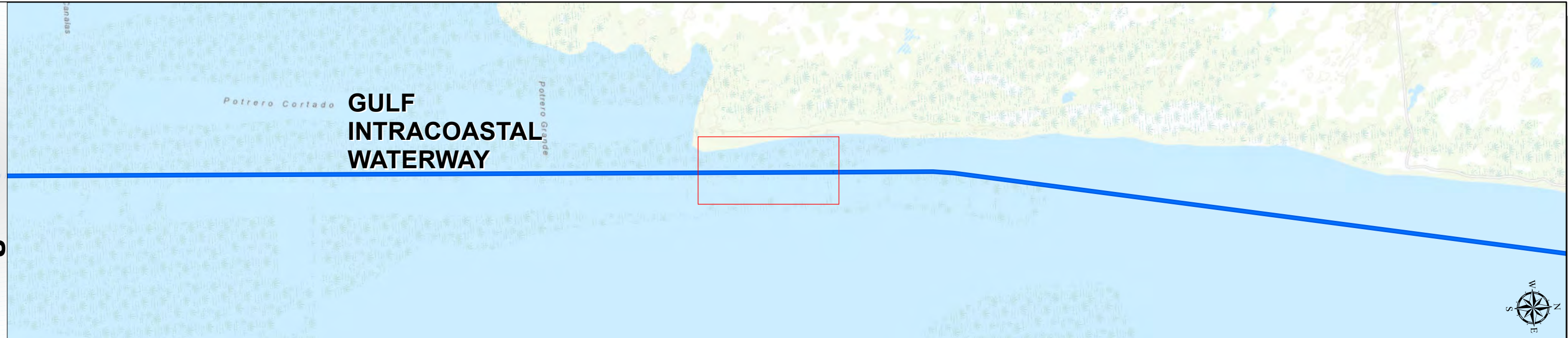
Gulf Intracoastal Waterway: Light 175 to Banderia Island



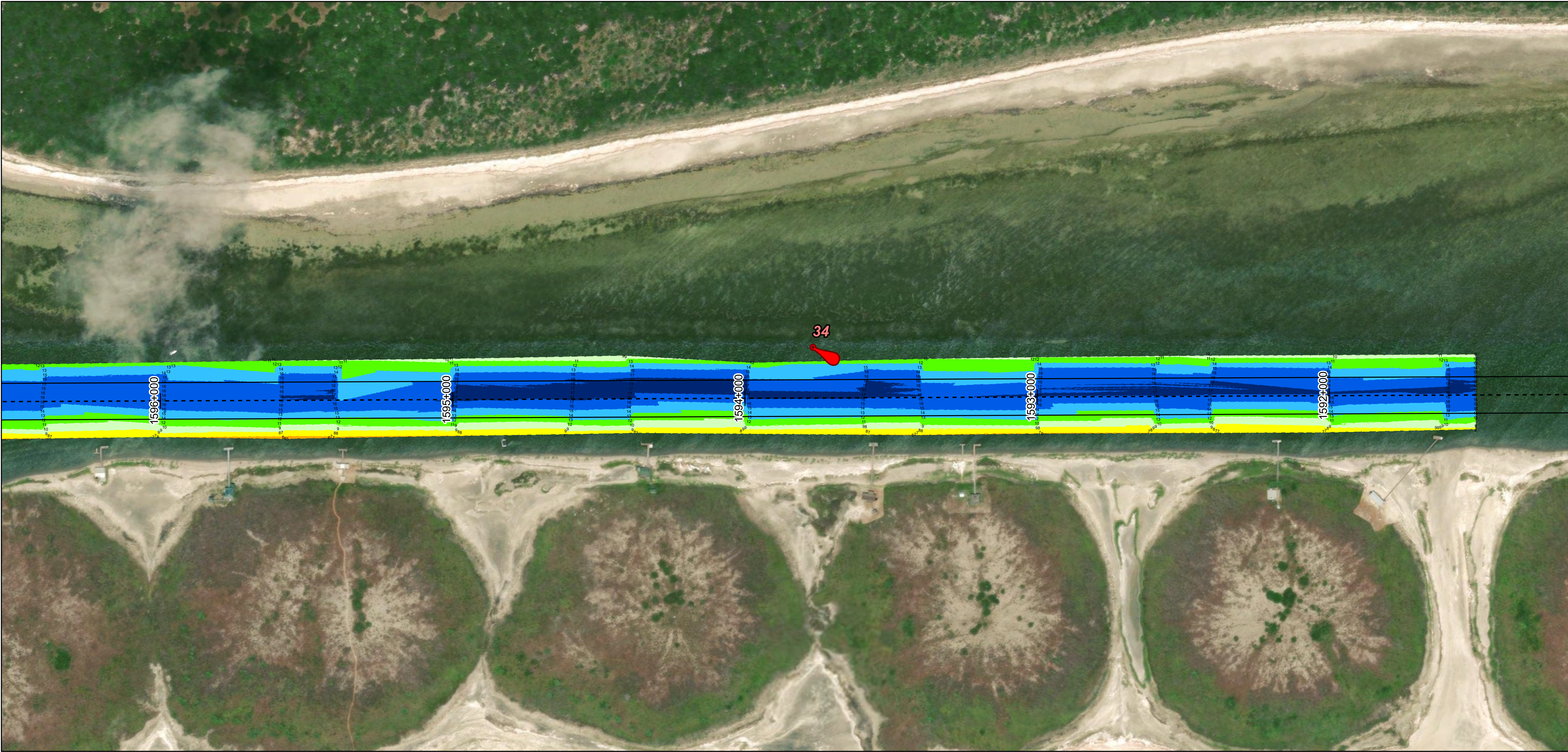
U.S. Army Corps of Engineers
Galveston District



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

MLLW



NOTES:
1. Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
2. Elevations are referenced to mean lower low tide (MLLW) datum.
3. This project was designed by the Galveston District of the U.S. Army Corps of Engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by 47 CFR 111.11-111.12.
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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, MET/NASA, NOAA, EPA, USDA
World Imagery: Maxar, Microsoft
World Imagery: Maxar

Additional Combined Survey Dates and Stationing:

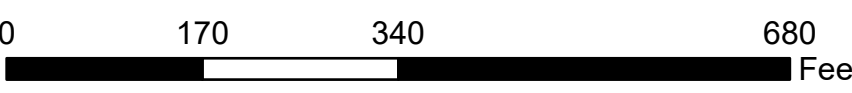
COMB_SURV_INFO_HERE

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

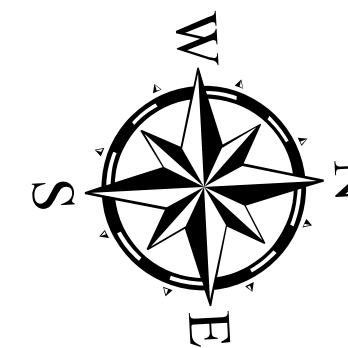
Dredging Reach Extent



Hydrographic Survey Extent



Latest Survey Collection Date: 07 June 2023		Authorized Depth: -13ft.
Document Page: 1 of 19	Website Index Number: 251	Side Slope Ratio: (Rise : Run)
Scale: 1"=2,000'		PDF Print Date: 6/21/2023
Mapped by: M3AOXPAC		
Additional Imagery info:		



HYDROGRAPHIC SURVEY

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS
Station: 1591+500 to 1679+500
GULF INTRACOASTAL WATERWAY
Light 175 to Banderia Island

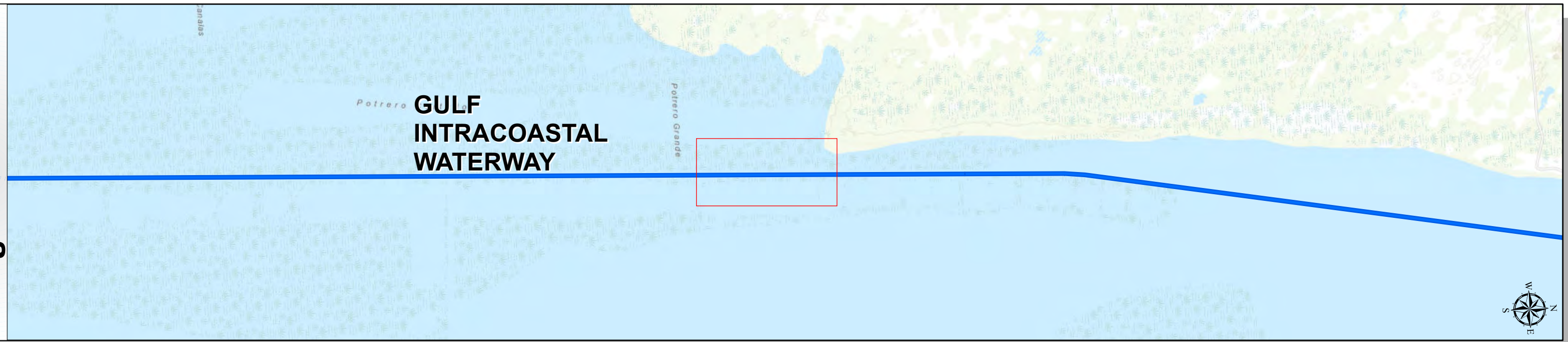
Gulf Intracoastal Waterway: Light 175 to Banderia Island



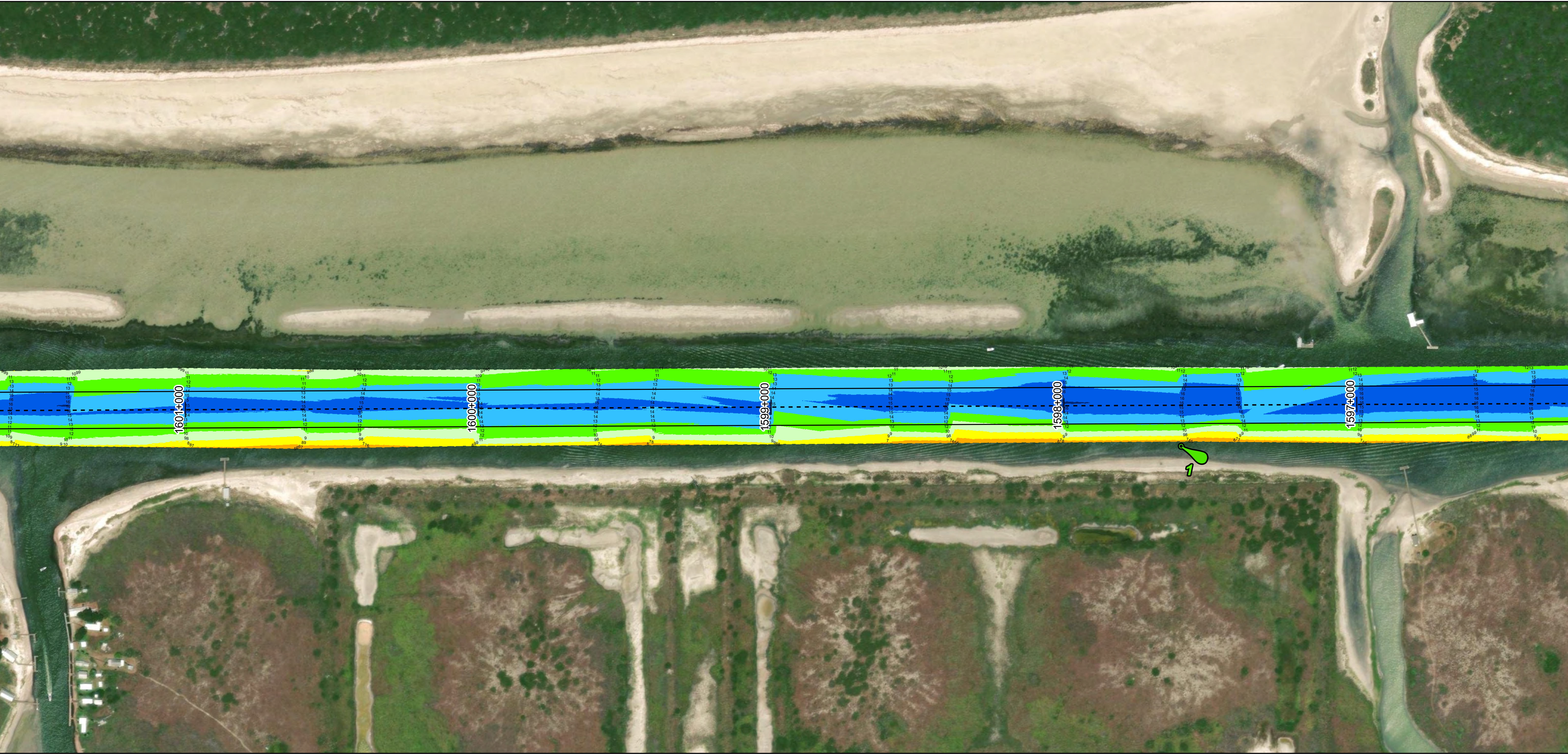
U.S. Army Corps of Engineers
Galveston District



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

MLLW

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

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

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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

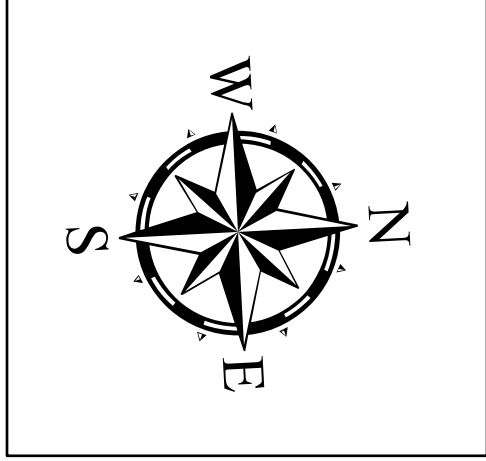
Dredging Reach Extent

0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent

0 170 340 680 Feet

Latest Survey Collection Date: 07 June 2023		Authorized Depth: -13ft.
Document Page: 2 of 19	Website Index Number: 252	Side Slope Ratio: (Rise : Run)
Scale: 1"=2,000'		PDF Print Date: 6/21/2023
Mapped by: M3AOXPAC		
Additional Imagery info:		



HYDROGRAPHIC SURVEY

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

Station: 1591+500 to 1679+500

GULF INTRACOASTAL WATERWAY

Light 175 to Banderia Island

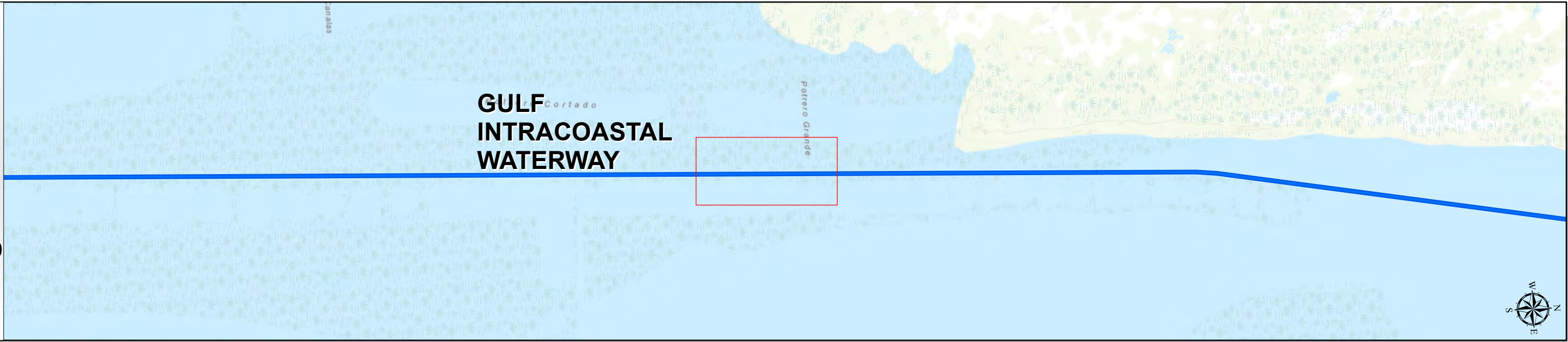
Gulf Intracoastal Waterway: Light 175 to Banderia Island



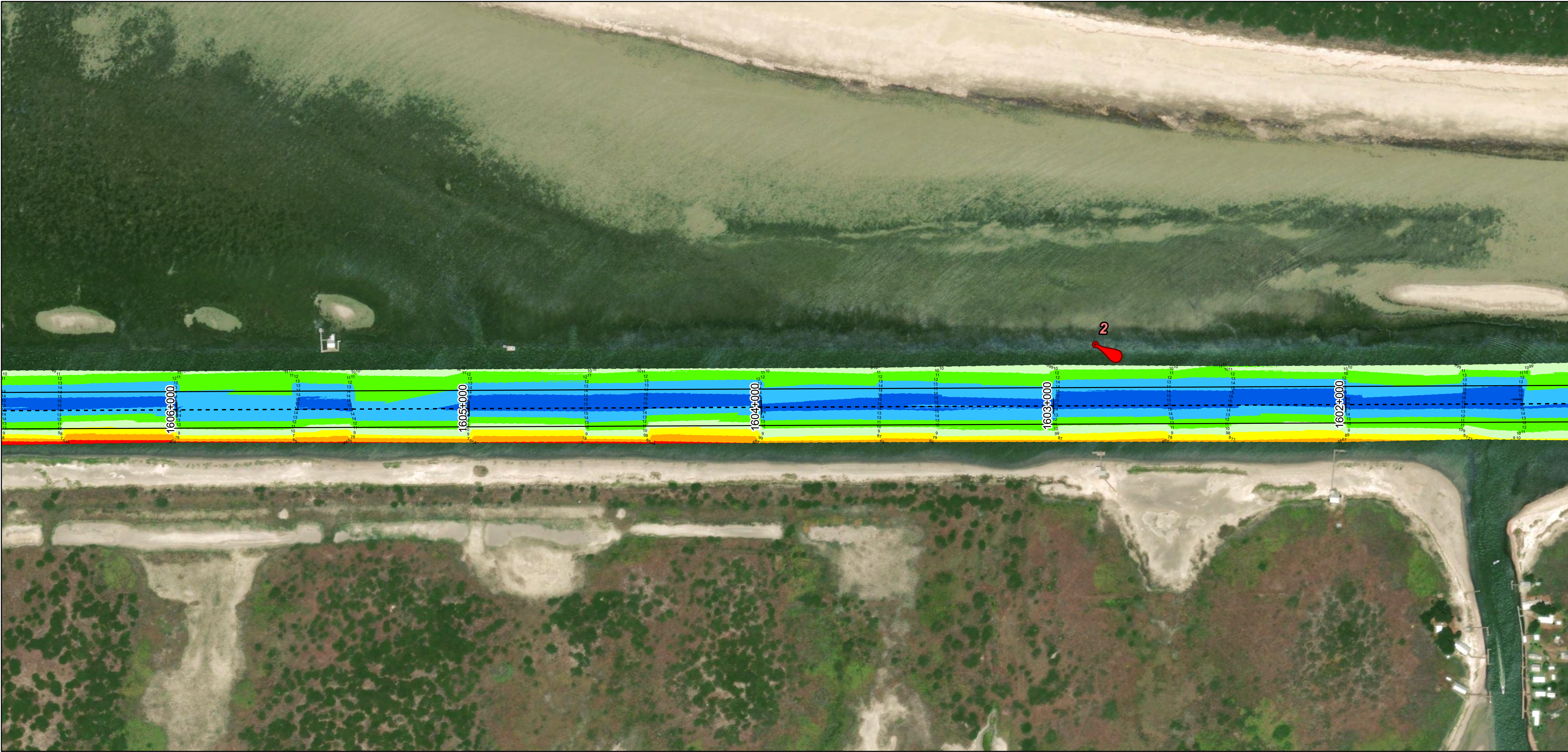
U.S. Army Corps of Engineers
Galveston District



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

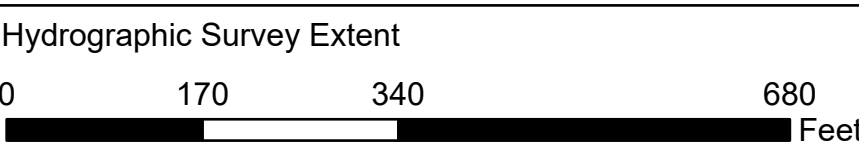
MLLW



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 Imagery: Maxar

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

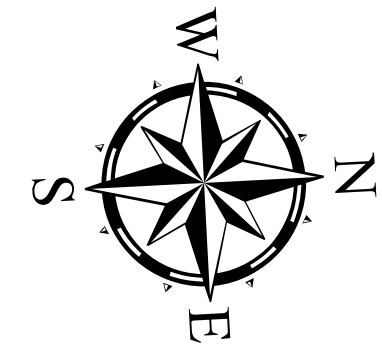
Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

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

Station: 1591+500 to 1679+500
GULF INTRACOASTAL WATERWAY
Light 175 to Banderia Island



Latest Survey Collection Date: 07 June 2023

Document Page: 3 of 19

Scale: 1"=2,000'

Mapped by: M3AOXPAC

Additional Imagery info:

Authorized Depth: -13ft.

Side Slope Ratio: (Rise : Run)

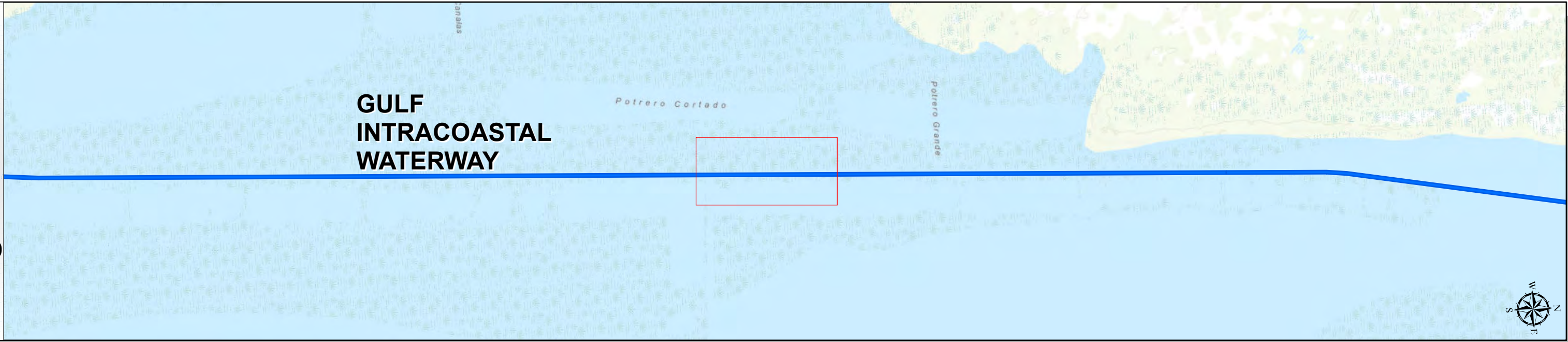
PDF Print Date: 6/21/2023

Website Index Number: 253

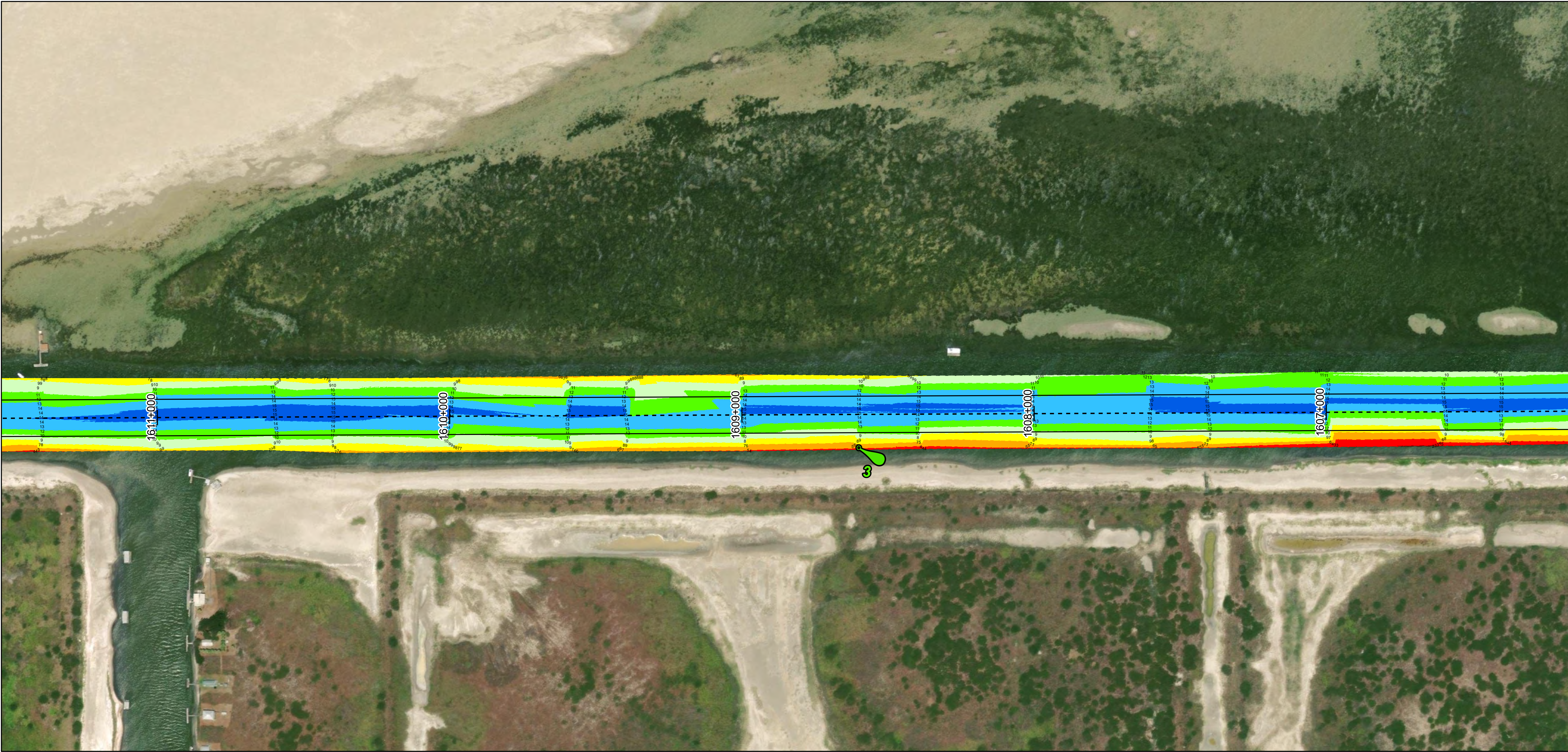
Gulf Intracoastal Waterway: Light 175 to Banderia Island



Regional Extent



Dredging Reach Extent



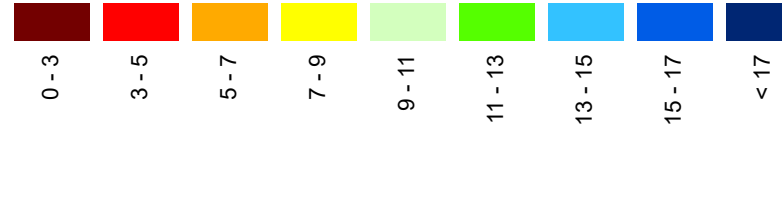
Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

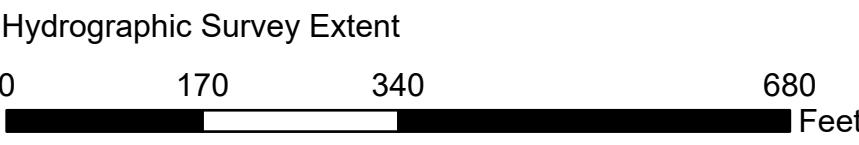
MLLW



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

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

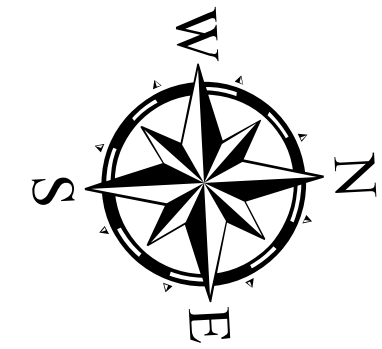
Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

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

Station: 1591+500 to 1679+500
GULF INTRACOASTAL WATERWAY
Light 175 to Banderia Island



Latest Survey Collection Date: 07 June 2023

Document Page: 4 of 19

Scale: 1"=2,000'

Mapped by: M3AOXPAC

Additional Imagery info:

Authorized Depth: -13ft.

Side Slope Ratio: (Rise : Run)

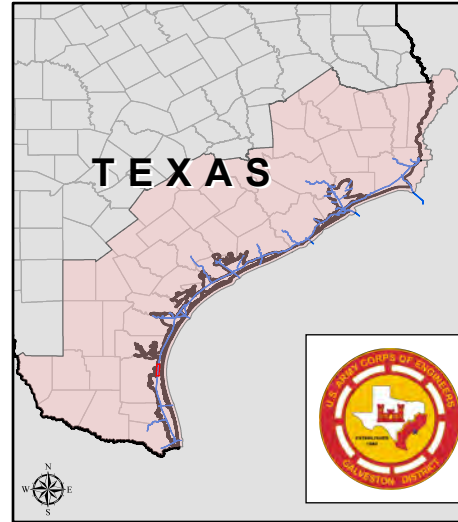
PDF Print Date: 6/21/2023

Website Index Number: 254

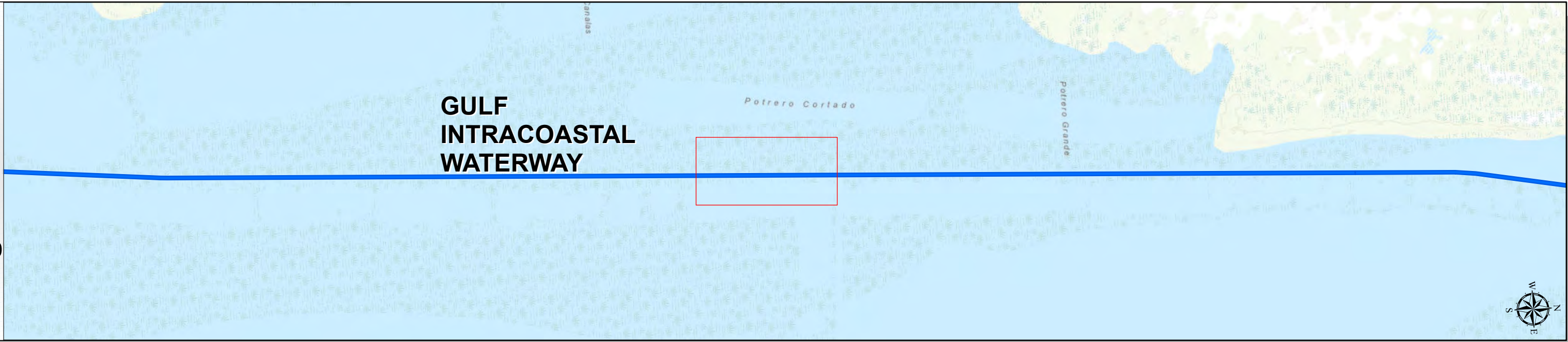
Gulf Intracoastal Waterway: Light 175 to Banderia Island



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

MLLW

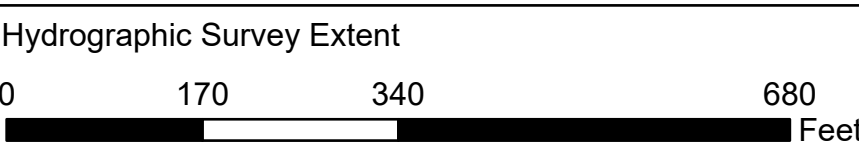


NOTES:

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World Imagery: Maxar, Microsoft
World Imagery: Maxar

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

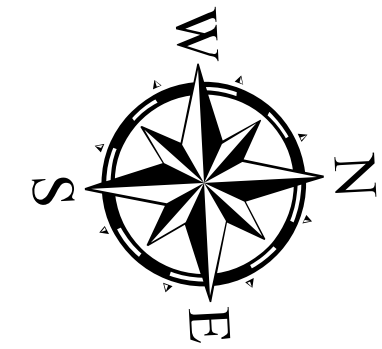
Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

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

Station: 1591+500 to 1679+500
GULF INTRACOASTAL WATERWAY
Light 175 to Banderia Island



Latest Survey Collection Date: 07 June 2023

Document Page: 5 of 19

Scale: 1"=2,000'

Mapped by: M3AOXPAC

Additional Imagery info:

Website Index Number: 255

Authorized Depth: -13ft.

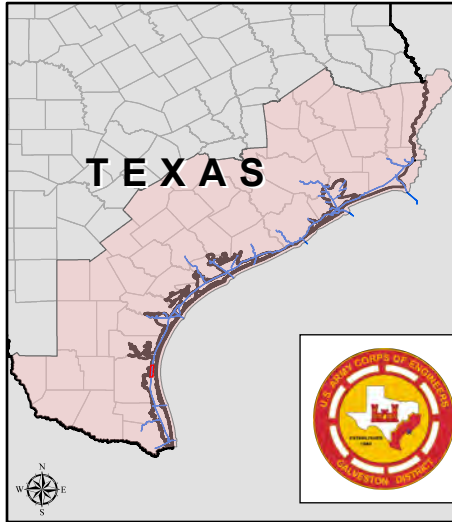
Side Slope Ratio: (Rise : Run)

PDF Print Date: 6/21/2023

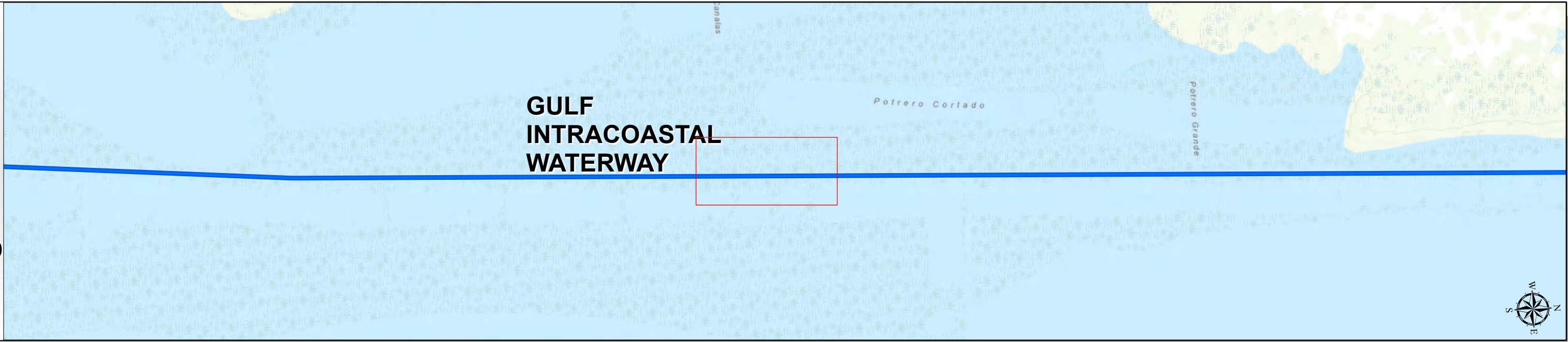
Gulf Intracoastal Waterway: Light 175 to Banderia Island



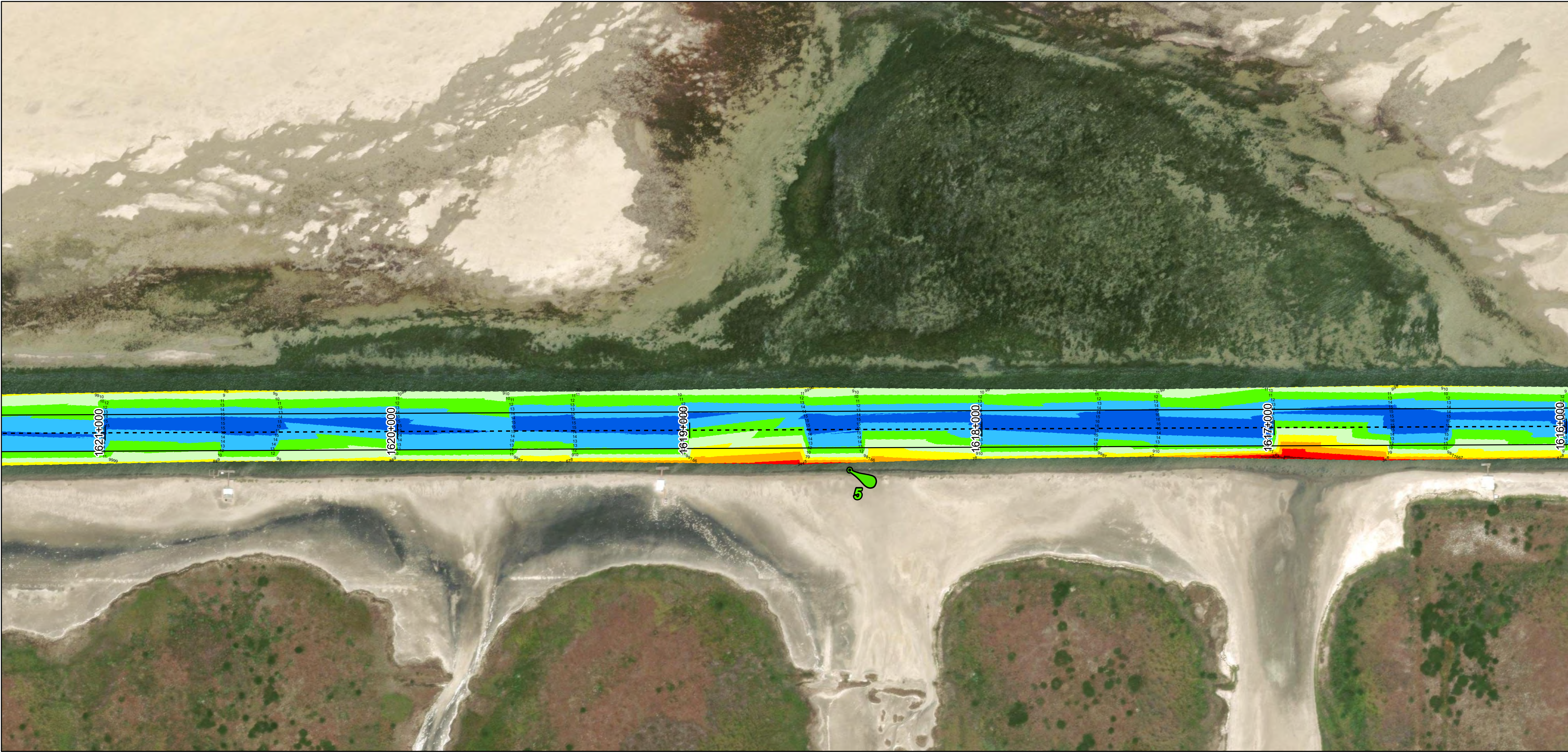
U.S. Army Corps of Engineers
Galveston District



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

MLLW

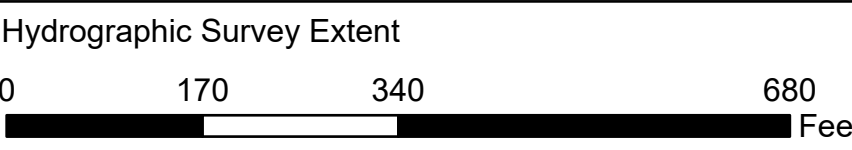
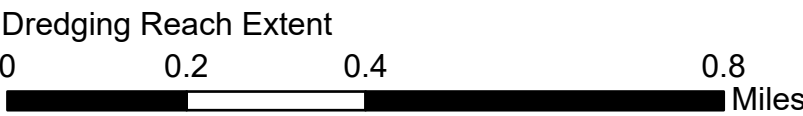


NOTES:

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World Imagery: Maxar, Microsoft
World Imagery: Maxar

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

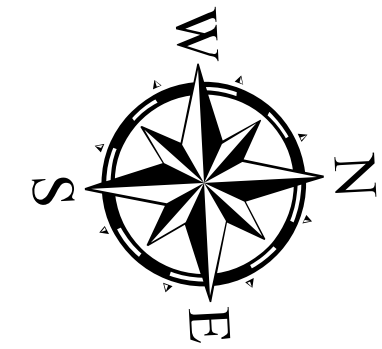
Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

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

Station: 1591+500 to 1679+500
GULF INTRACOASTAL WATERWAY
Light 175 to Banderia Island



Latest Survey Collection Date: 07 June 2023

Document Page: 6 of 19

Scale: 1"=2,000'

Mapped by: M3AOXPAC

Additional Imagery info:

Authorized Depth: -13ft.

Side Slope Ratio: (Rise : Run)

PDF Print Date: 6/21/2023

Website Index Number: 256

Authorized Depth: -13ft.

Side Slope Ratio: (Rise : Run)

PDF Print Date: 6/21/2023

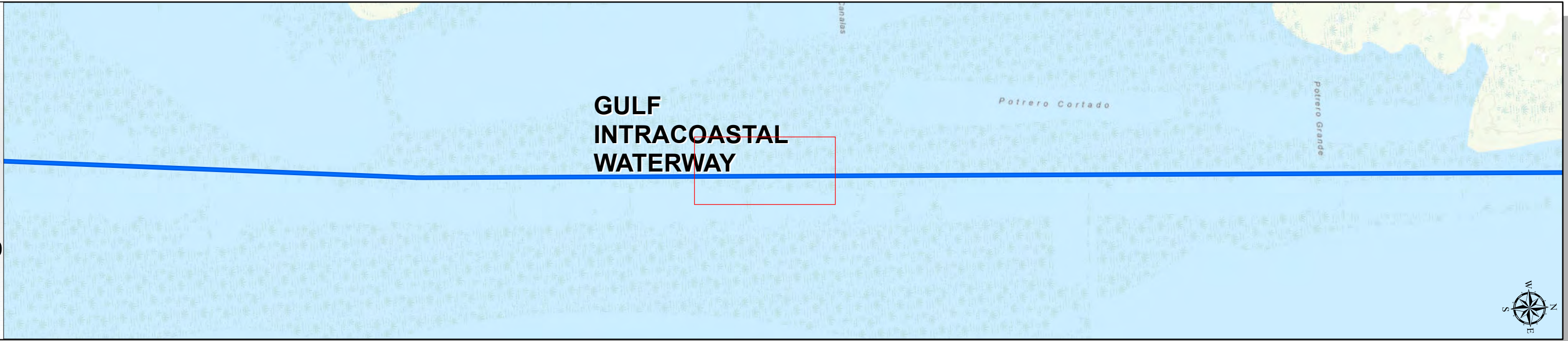
Gulf Intracoastal Waterway: Light 175 to Banderia Island



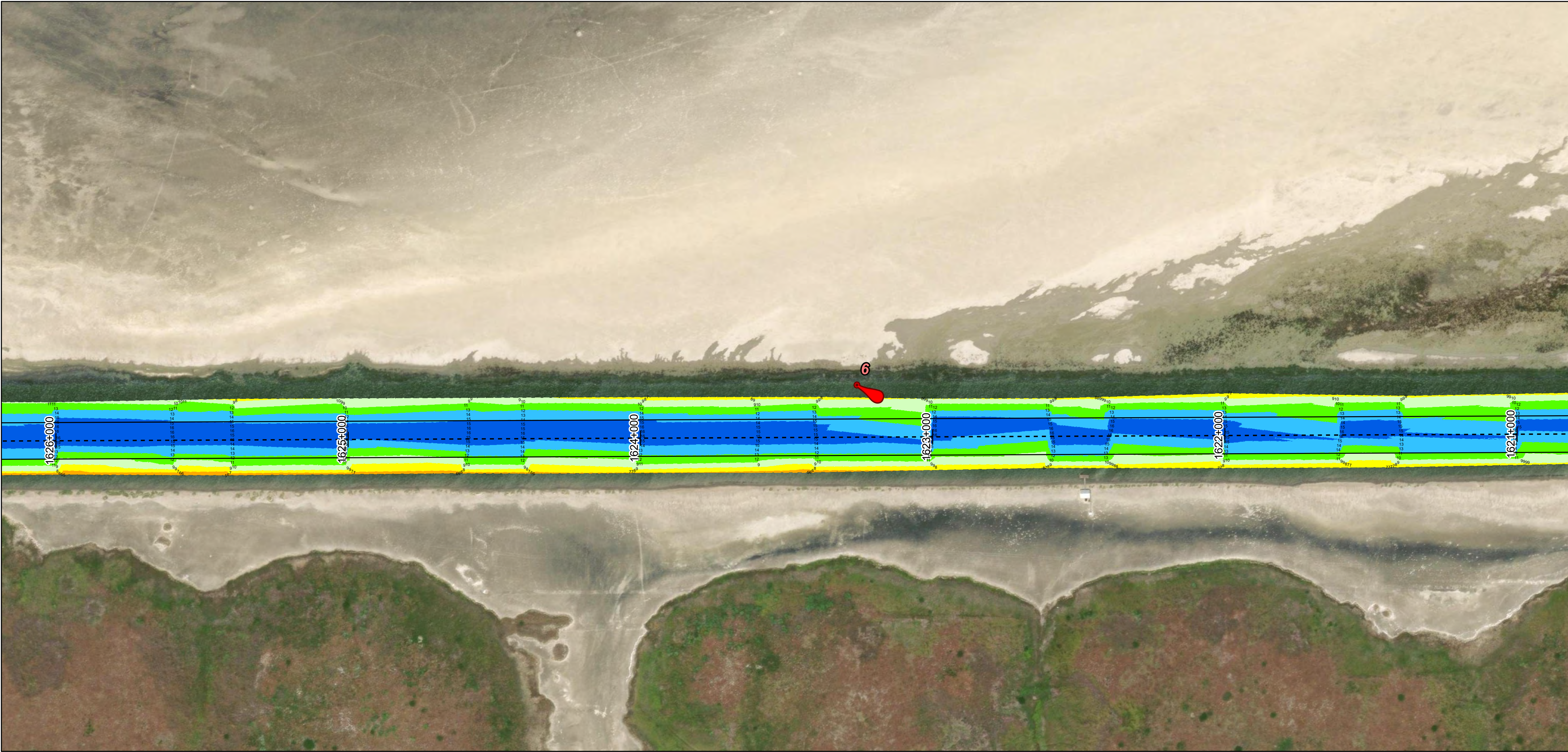
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



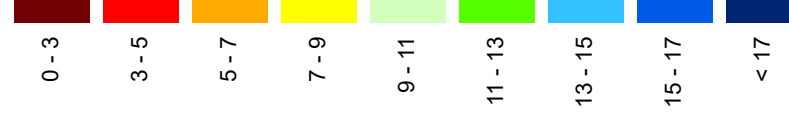
Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

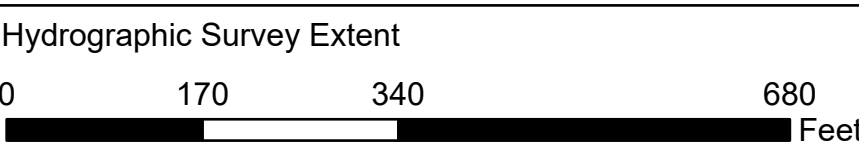
MLLW



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 Imagery: Maxar

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

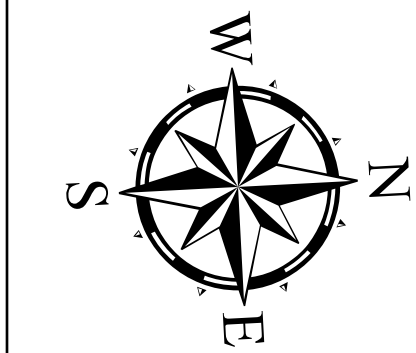
Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

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

Station: 1591+500 to 1679+500
GULF INTRACOASTAL WATERWAY
Light 175 to Banderia Island



Latest Survey Collection Date: 07 June 2023

Document Page: 7 of 19

Website Index Number: 257

Scale: 1"=2,000'

Mapped by: M3AOXPAC

Additional Imagery info:

Authorized Depth: -13ft.

Side Slope Ratio: (Rise : Run)

PDF Print Date: 6/21/2023

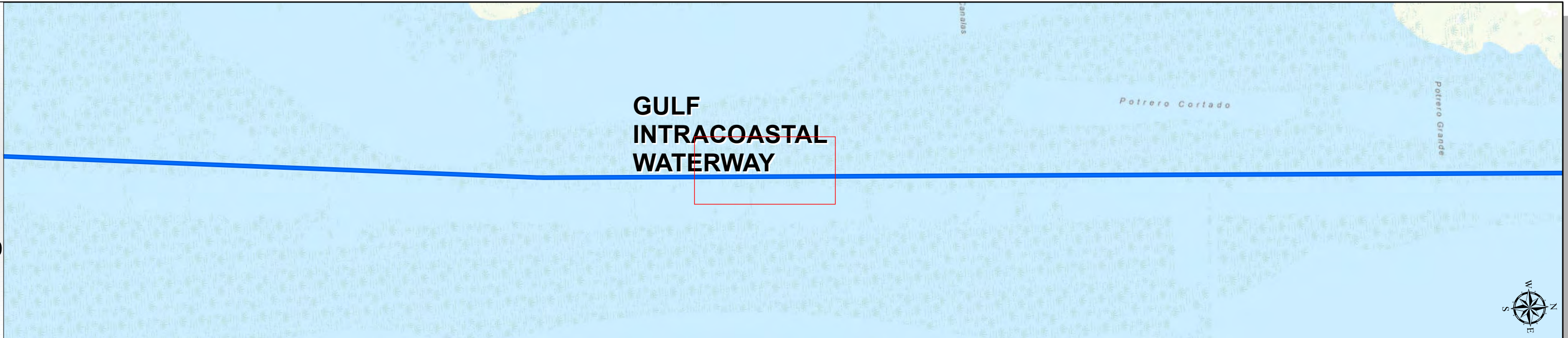
Gulf Intracoastal Waterway: Light 175 to Banderia Island



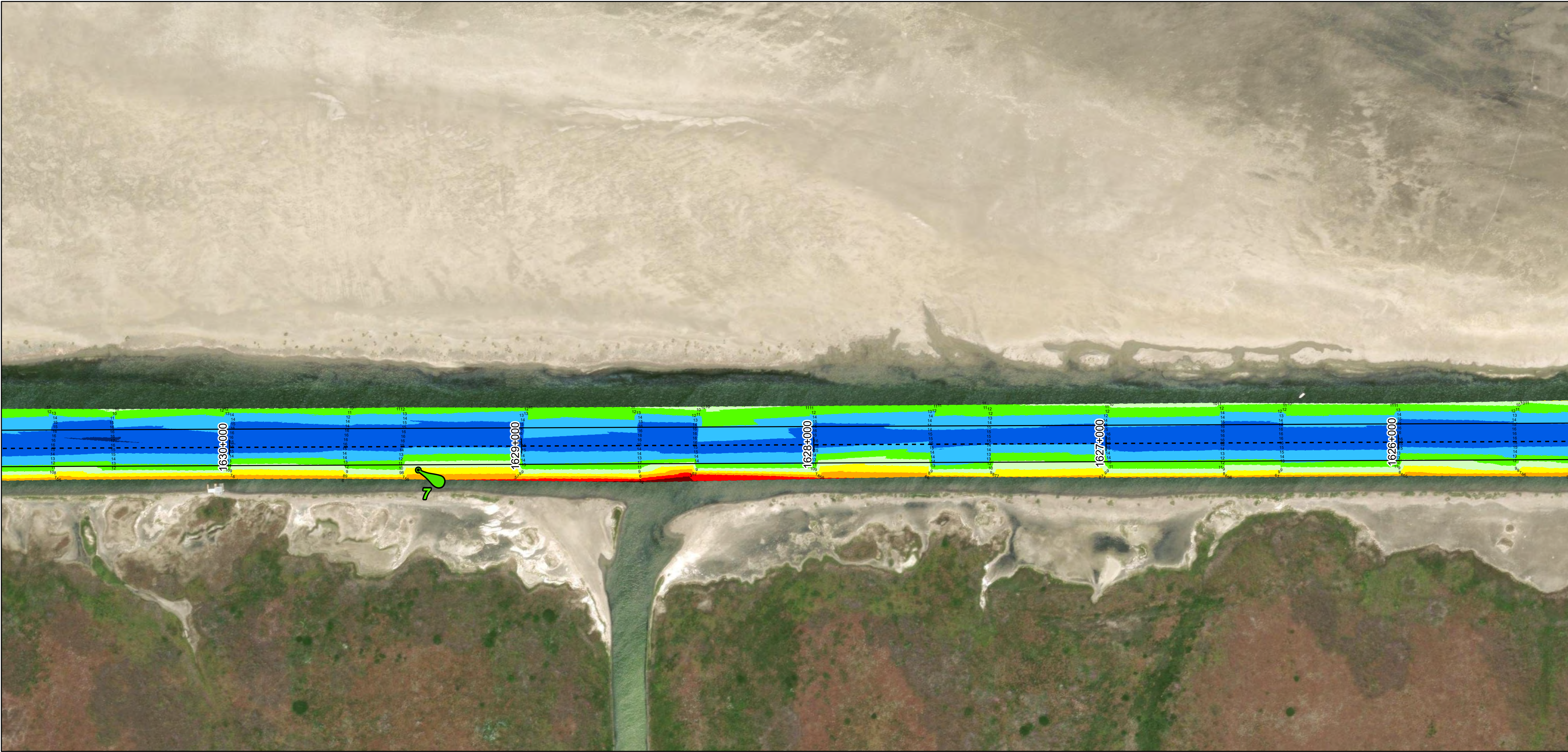
U.S. Army Corps of Engineers
Galveston District



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

MLLW

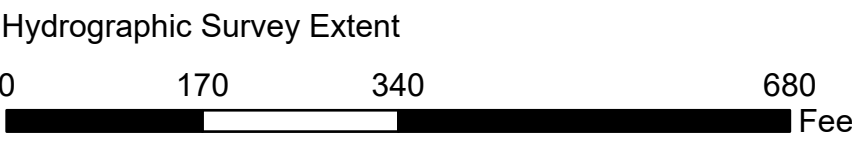
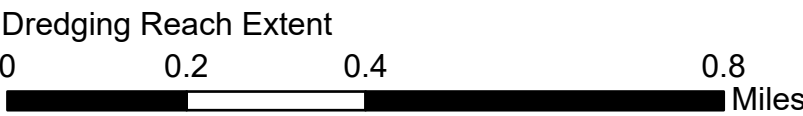


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World Imagery: Maxar, Microsoft
World Imagery: Maxar

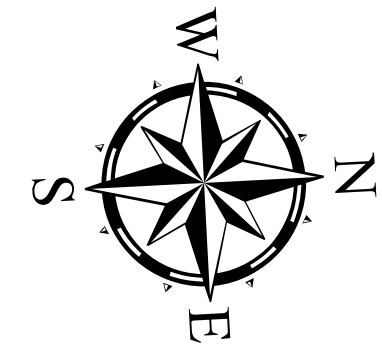
Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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: 1591+500 to 1679+500
GULF INTRACOASTAL WATERWAY
Light 175 to Banderia Island



Latest Survey Collection Date: 07 June 2023		Authorized Depth: -13ft.
Document Page: 8 of 19	Website Index Number: 258	Side Slope Ratio: (Rise : Run)
Scale: 1"=2,000'		PDF Print Date: 6/21/2023
Mapped by: M3AOXPAC		
Additional Imagery info:		

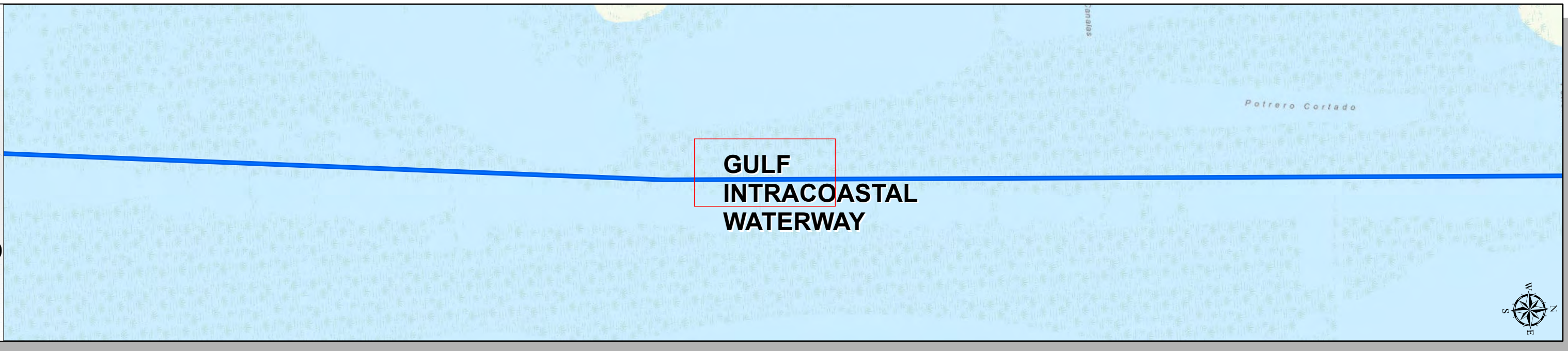
Gulf Intracoastal Waterway: Light 175 to Banderia Island



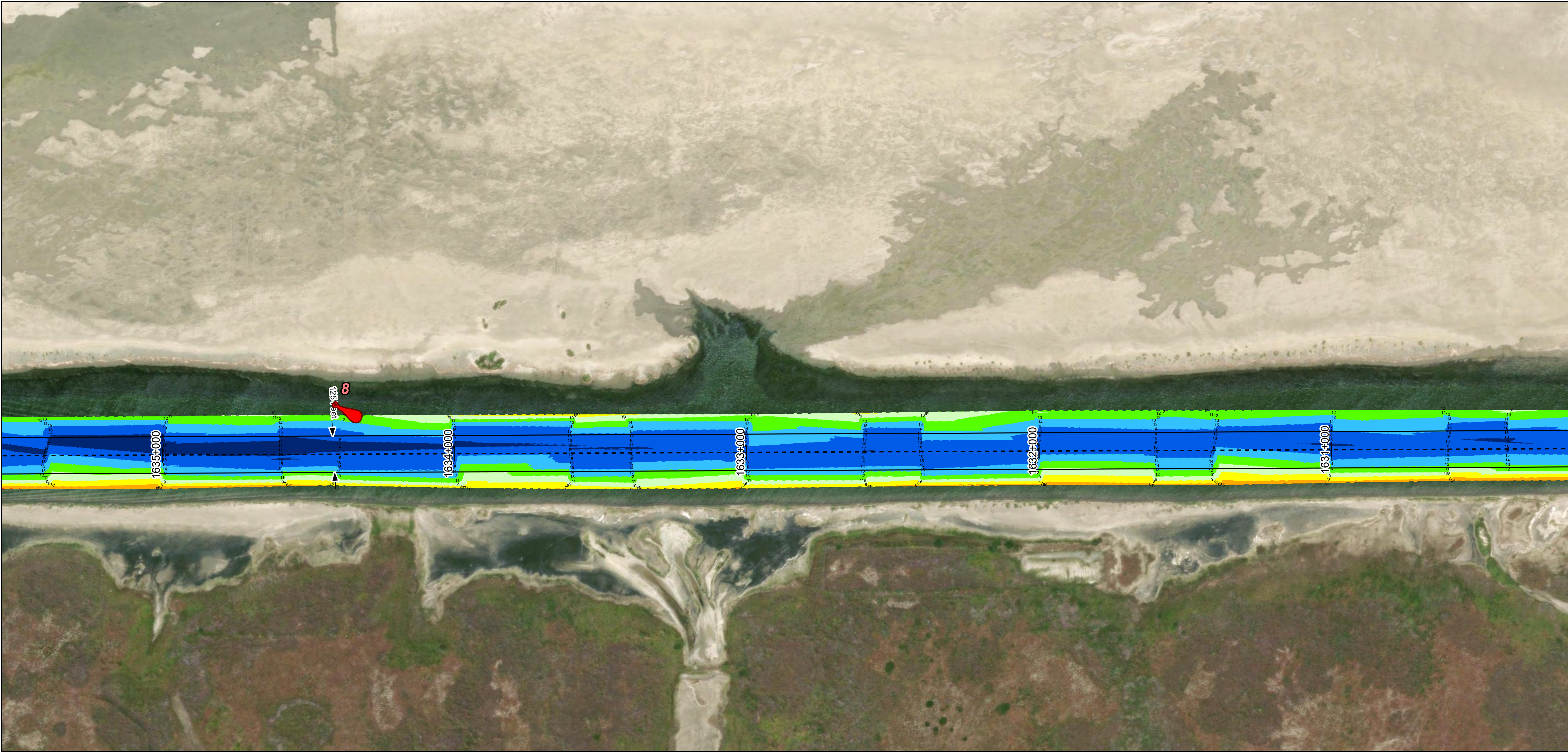
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



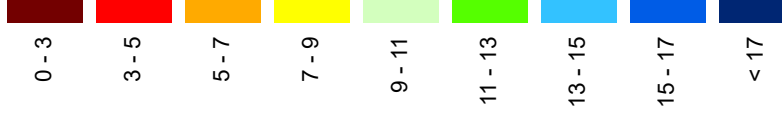
Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

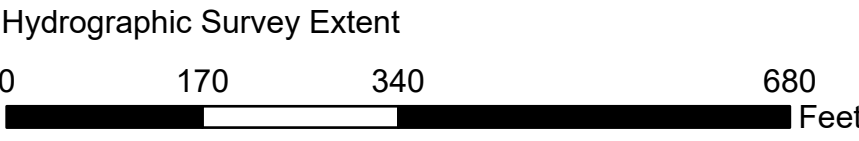


NOTES:
1. Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
2. Elevations are referenced to mean lower low tide (MLLW) datum.
3. This project was designed by the Galveston District of the U.S. Army Corps of Engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by 47 CFR 111.05-111.052.
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, METI/NASA, NGA, EPA, USDA
World Imagery: Maxar, Microsoft
World Imagery: Maxar

Additional Combined Survey Dates and Stationing:

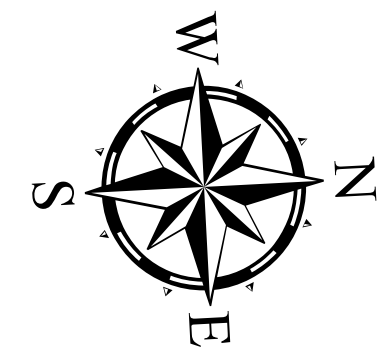
COMB_SURV_INFO_HERE

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



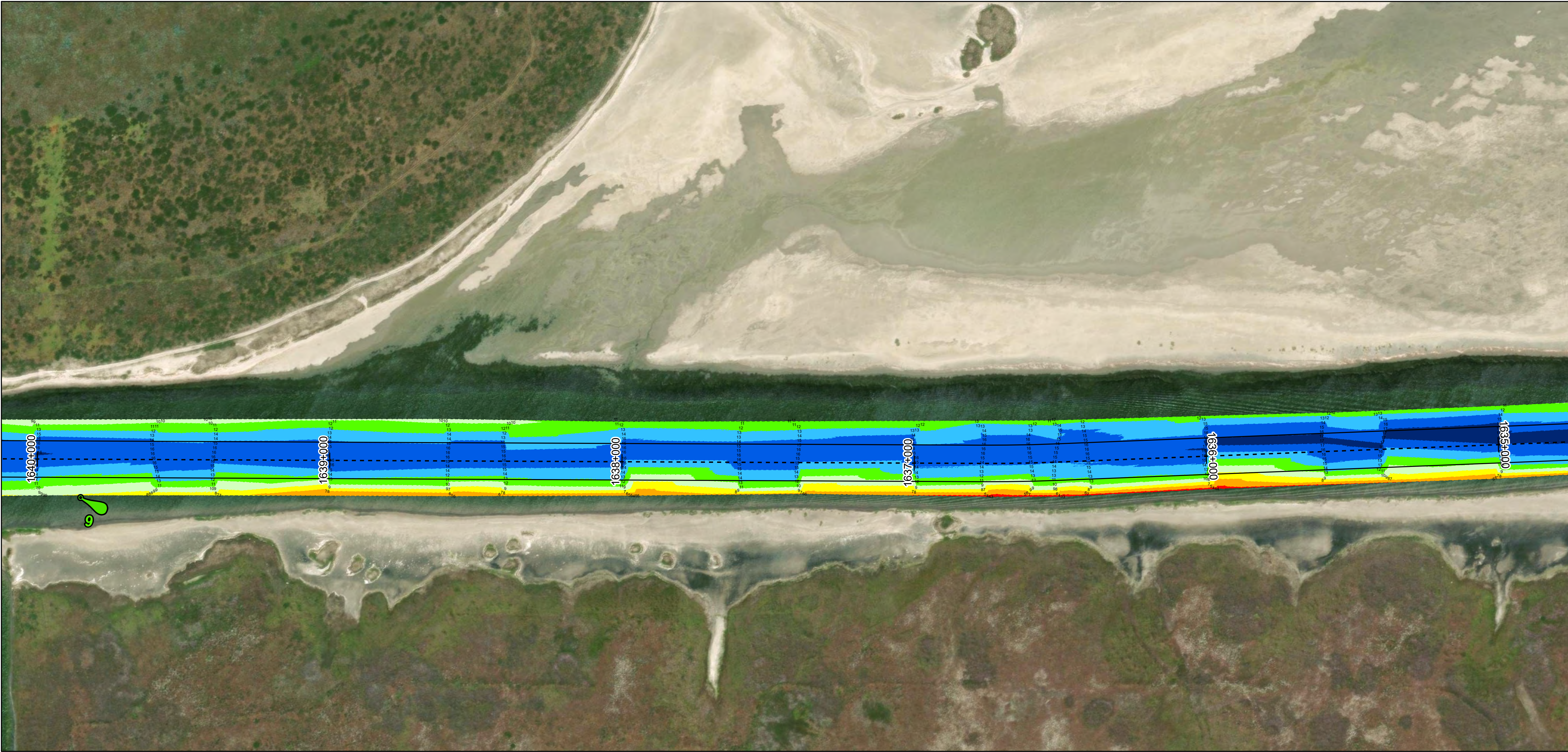
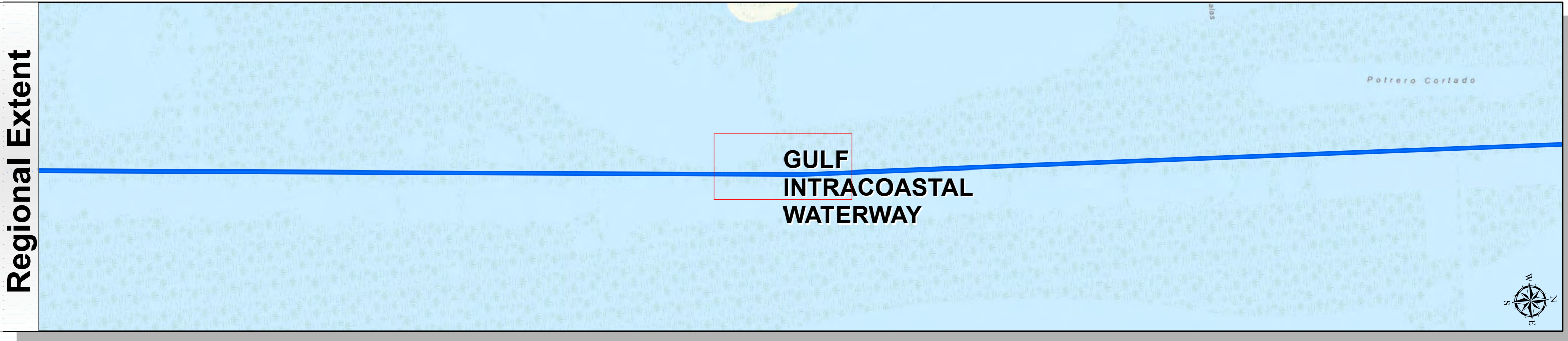
HYDROGRAPHIC SURVEY

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS
Station: 1591+500 to 1679+500
GULF INTRACOASTAL WATERWAY
Light 175 to Banderia Island



Latest Survey Collection Date: 07 June 2023		Authorized Depth: -13ft.
Document Page: 9 of 19	Website Index Number: 259	Side Slope Ratio: (Rise : Run)
Scale: 1"=2,000'		PDF Print Date: 6/21/2023
Mapped by: M3AOXPAC		
Additional Imagery info:		

Gulf Intracoastal Waterway: Light 175 to Banderia Island



Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

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

NOTES:
1. Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
2. Elevations are referenced to mean lower low tide (MLLW) datum.
3. This project was designed by the Galveston District of the U.S. Army Corps of Engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by 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 200.325.
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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

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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

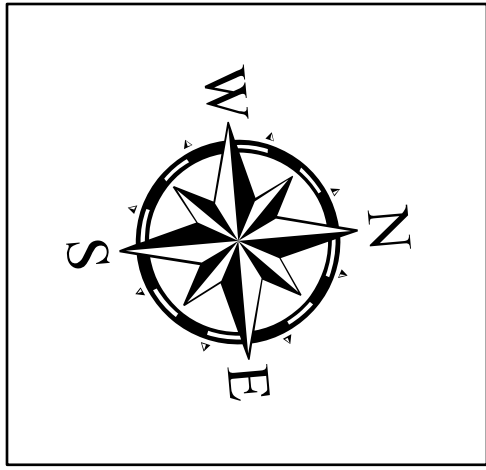
Dredging Reach Extent

0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent

0 170 340 680 Feet

Latest Survey Collection Date: 07 June 2023		Authorized Depth: -13ft.
Document Page: 10 of 19	Website Index Number: 260	Side Slope Ratio: (Rise : Run)
Scale: 1"=2,000'		PDF Print Date: 6/21/2023
Mapped by: M3AOXPAC		
Additional Imagery info:		



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

Station: 1591+500 to 1679+500
GULF INTRACOASTAL WATERWAY
Light 175 to Banderia Island

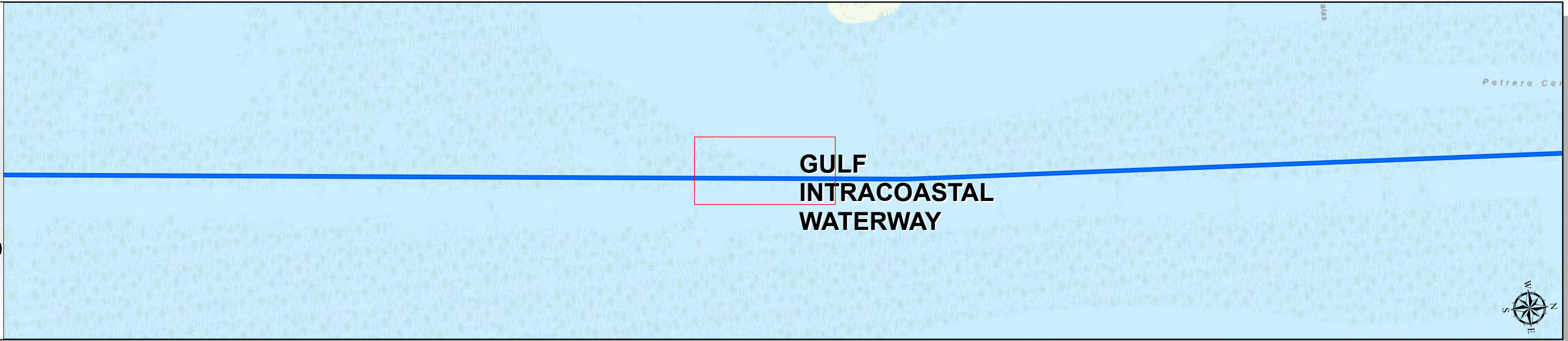
Gulf Intracoastal Waterway: Light 175 to Banderia Island



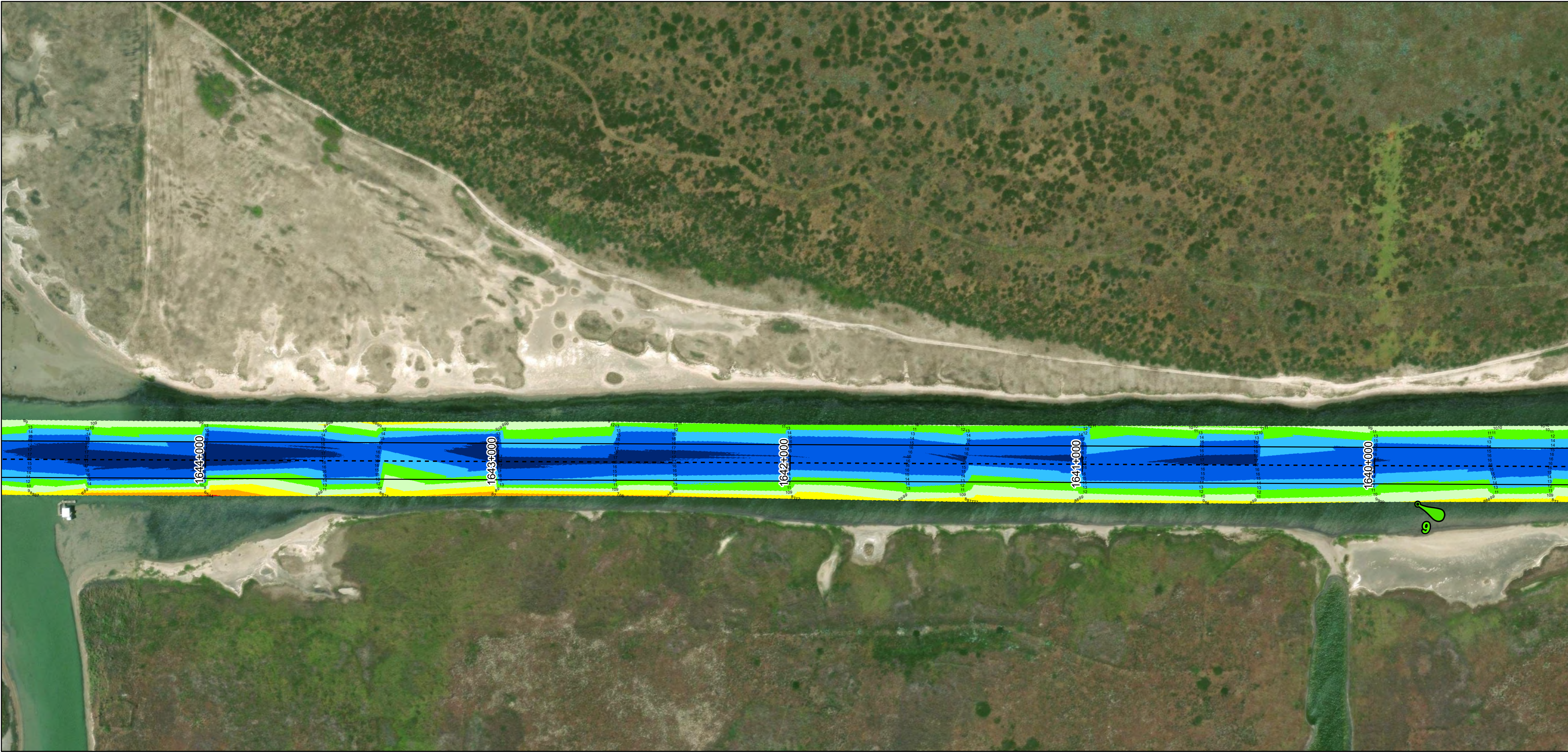
U.S. Army Corps of Engineers
Galveston District



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

MLLW

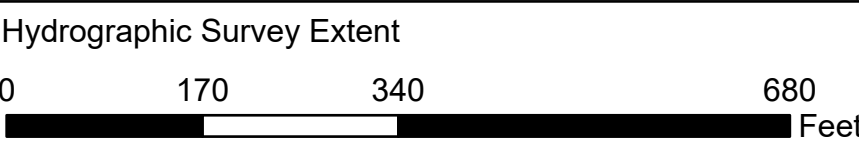


NOTES:

- Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
 - Elevations are referenced to mean lower low tide (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 111.01-0112.
 - 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 200.325.
 - 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, MET/NASA, NGA, EPA, USDA
World Imagery: Maxar, Microsoft
World Imagery: Maxar

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

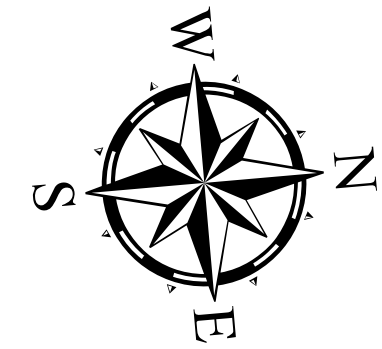
Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

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

Station: 1591+500 to 1679+500
GULF INTRACOASTAL WATERWAY
Light 175 to Banderia Island



Latest Survey Collection Date: 07 June 2023

Document Page: 11 of 19

Website Index Number: 261

Scale: 1"=2,000'

Mapped by: M3AOXPAC

Additional Imagery info:

Authorized Depth: -13ft.

Side Slope Ratio: (Rise : Run)

PDF Print Date: 6/21/2023

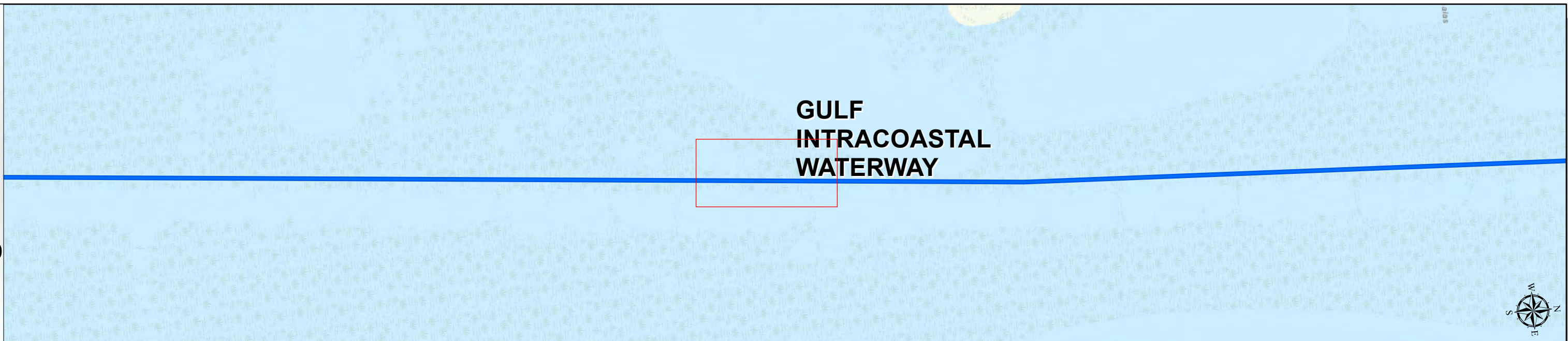
Gulf Intracoastal Waterway: Light 175 to Banderia Island



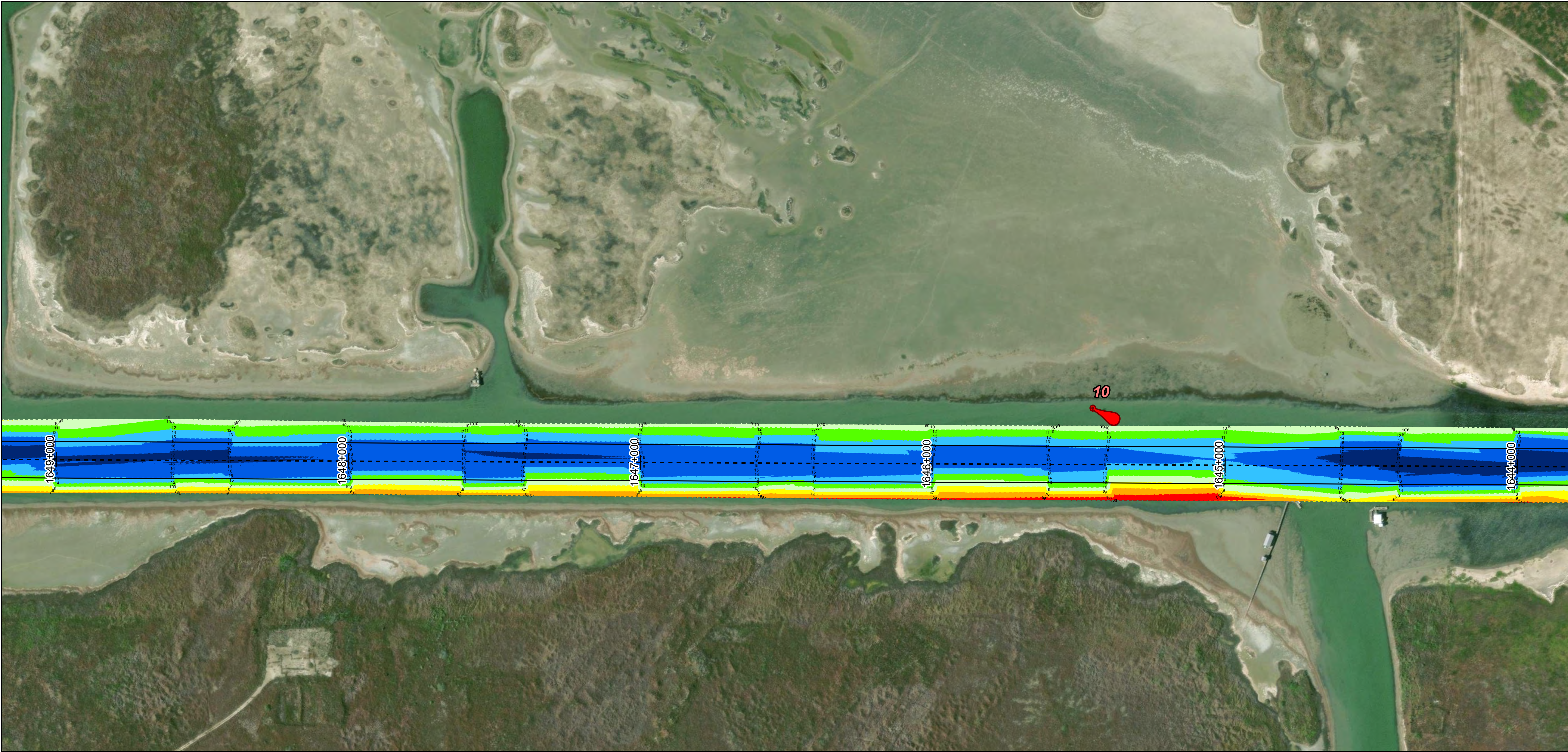
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



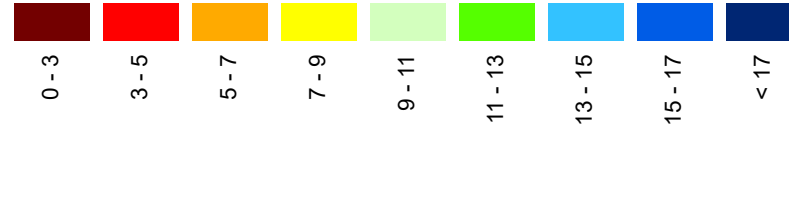
Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW



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 tide (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 111.01-01152.
 - 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

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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

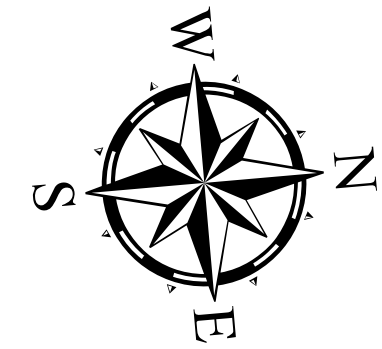
Dredging Reach Extent
0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent
0 170 340 680 Feet

HYDROGRAPHIC SURVEY

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

Station: 1591+500 to 1679+500
GULF INTRACOASTAL WATERWAY
Light 175 to Banderia Island



Latest Survey Collection Date: 07 June 2023

Document Page: 12 of 19

Website Index Number: 262

Scale: 1"=2,000'

Mapped by: M3AOXPAC

Additional Imagery info:

Authorized Depth: -13ft.

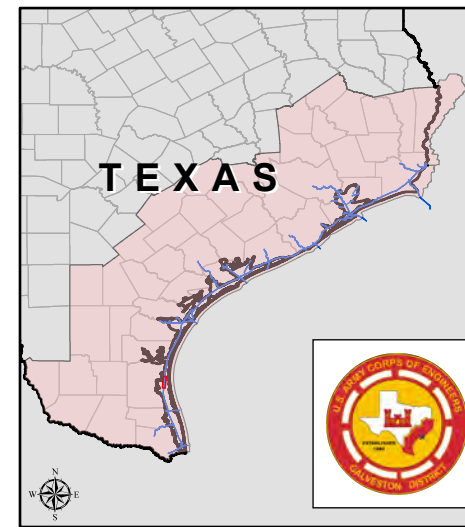
Side Slope Ratio: (Rise : Run)

PDF Print Date: 6/21/2023

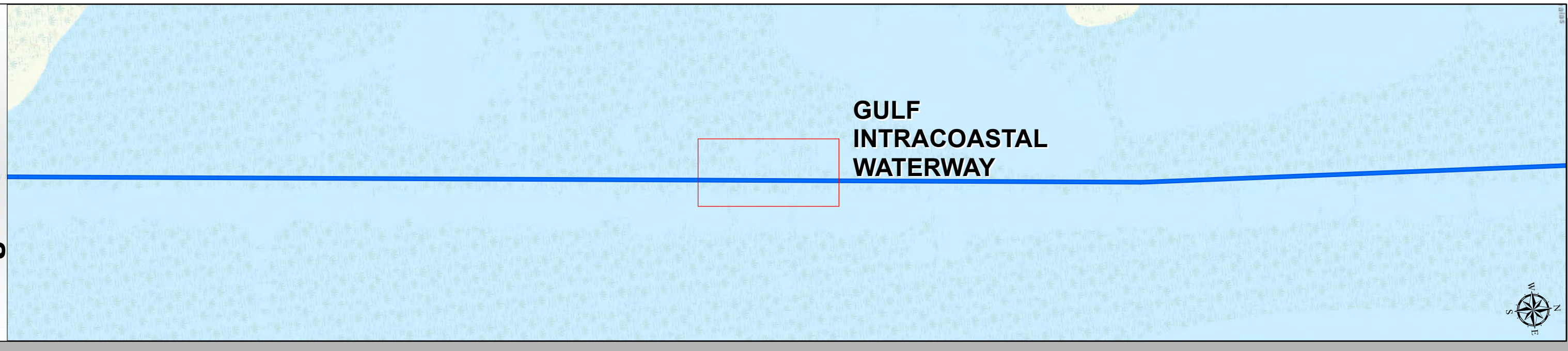
Gulf Intracoastal Waterway: Light 175 to Banderia Island



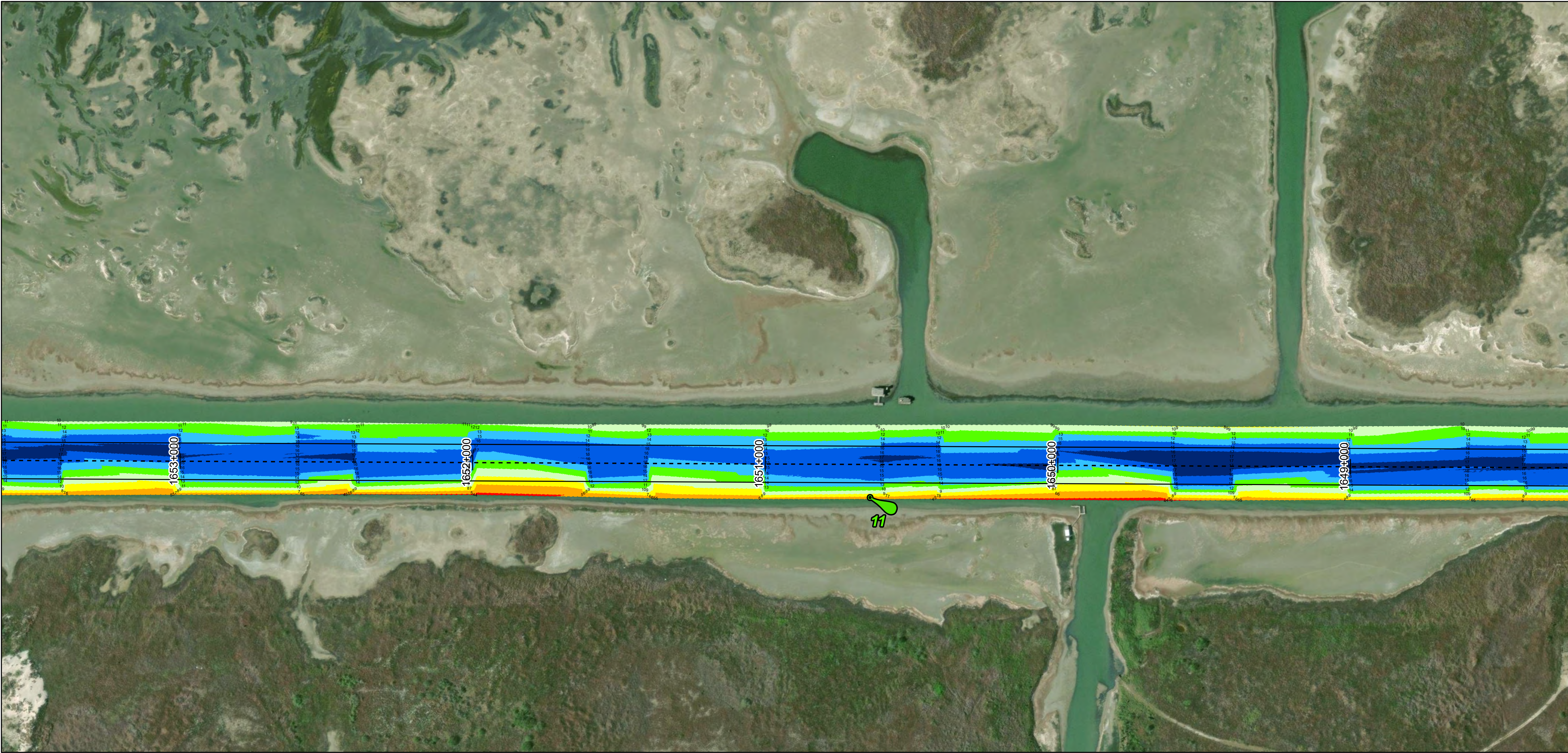
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



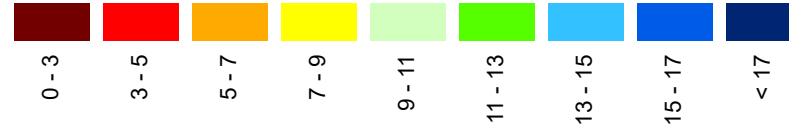
Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

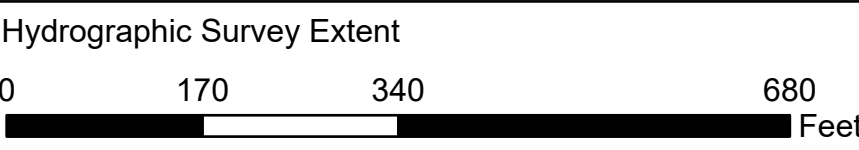
MLLW



NOTES:
1. Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
2. Elevations are referenced to mean lower low tide (MLLW) datum.
3. This project was designed by the Galveston District of the U.S. Army Corps of Engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by 47CFR 117.15-117.16.
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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

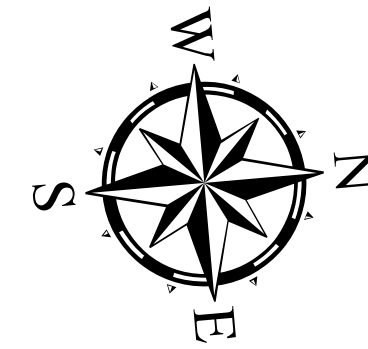
Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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: 1591+500 to 1679+500
GULF INTRACOASTAL WATERWAY
Light 175 to Banderia Island



Latest Survey Collection Date: 07 June 2023		Authorized Depth: -13ft.	
Document Page:13 of 19	Website Index Number: 263	Side Slope Ratio: (Rise : Run)	
Scale: 1"=2,000'			
Mapped by: M3AOXPAC		PDF Print Date: 6/21/2023	
Additional Imagery info:			

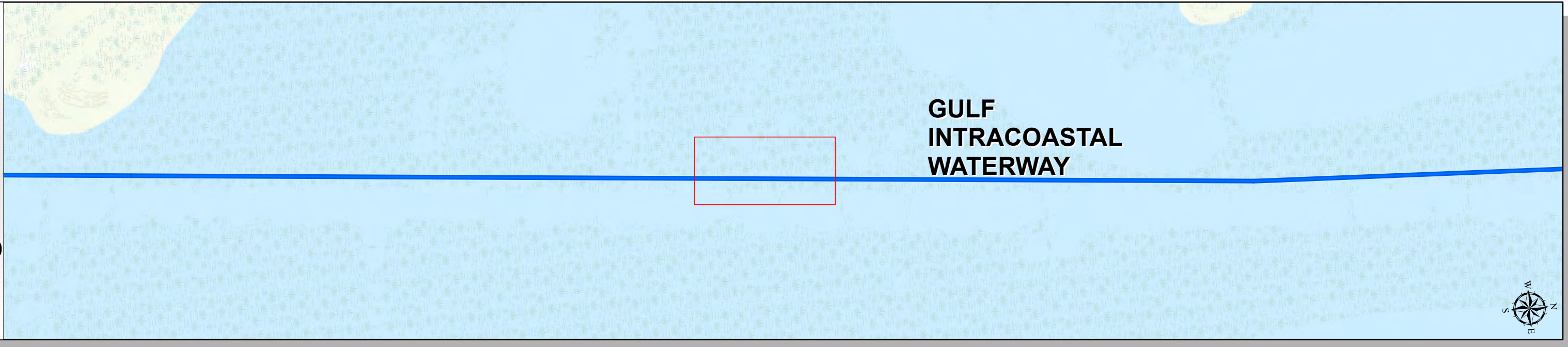
Gulf Intracoastal Waterway: Light 175 to Banderia Island



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

MLLW

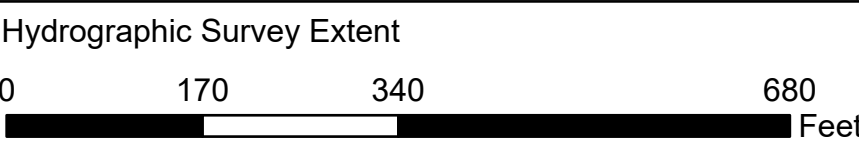


NOTES:

- Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
 - Elevations are referenced to mean lower low tide (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 110.1-110.12.
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- Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, MET/NASA, NGA, EPA, USDA
World Imagery: Maxar, Microsoft
World Imagery: Maxar

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

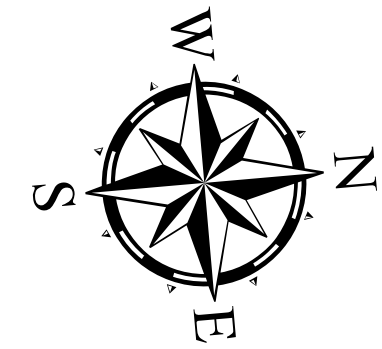
Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

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

Station: 1591+500 to 1679+500
GULF INTRACOASTAL WATERWAY
Light 175 to Banderia Island



Latest Survey Collection Date: 07 June 2023

Document Page: 14 of 19

Scale:
1"=2,000'

Mapped by: M3AOXPAC

Additional Imagery info:

Authorized Depth: -13ft.

Side Slope Ratio: (Rise : Run)

PDF Print Date: 6/21/2023

Website Index Number: 264

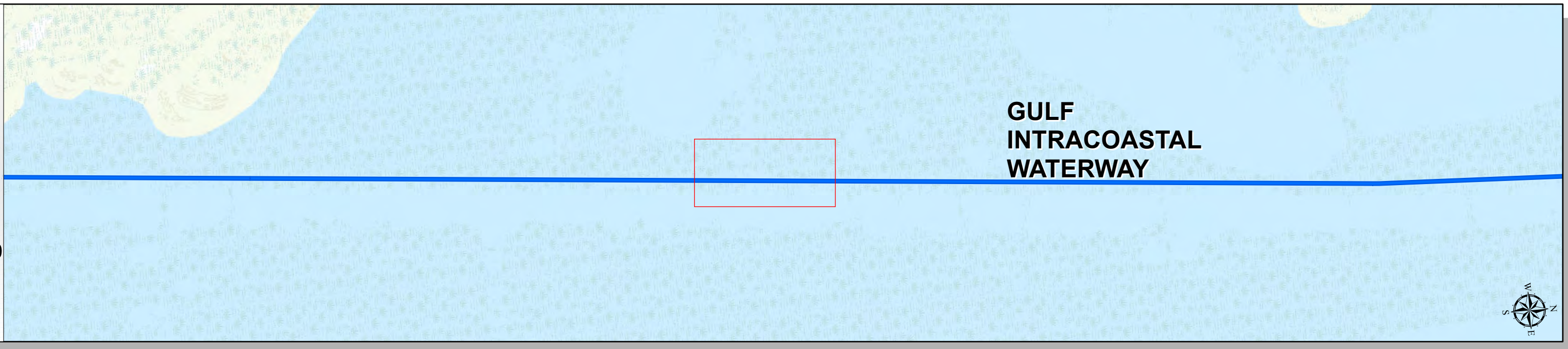
Gulf Intracoastal Waterway: Light 175 to Banderia Island



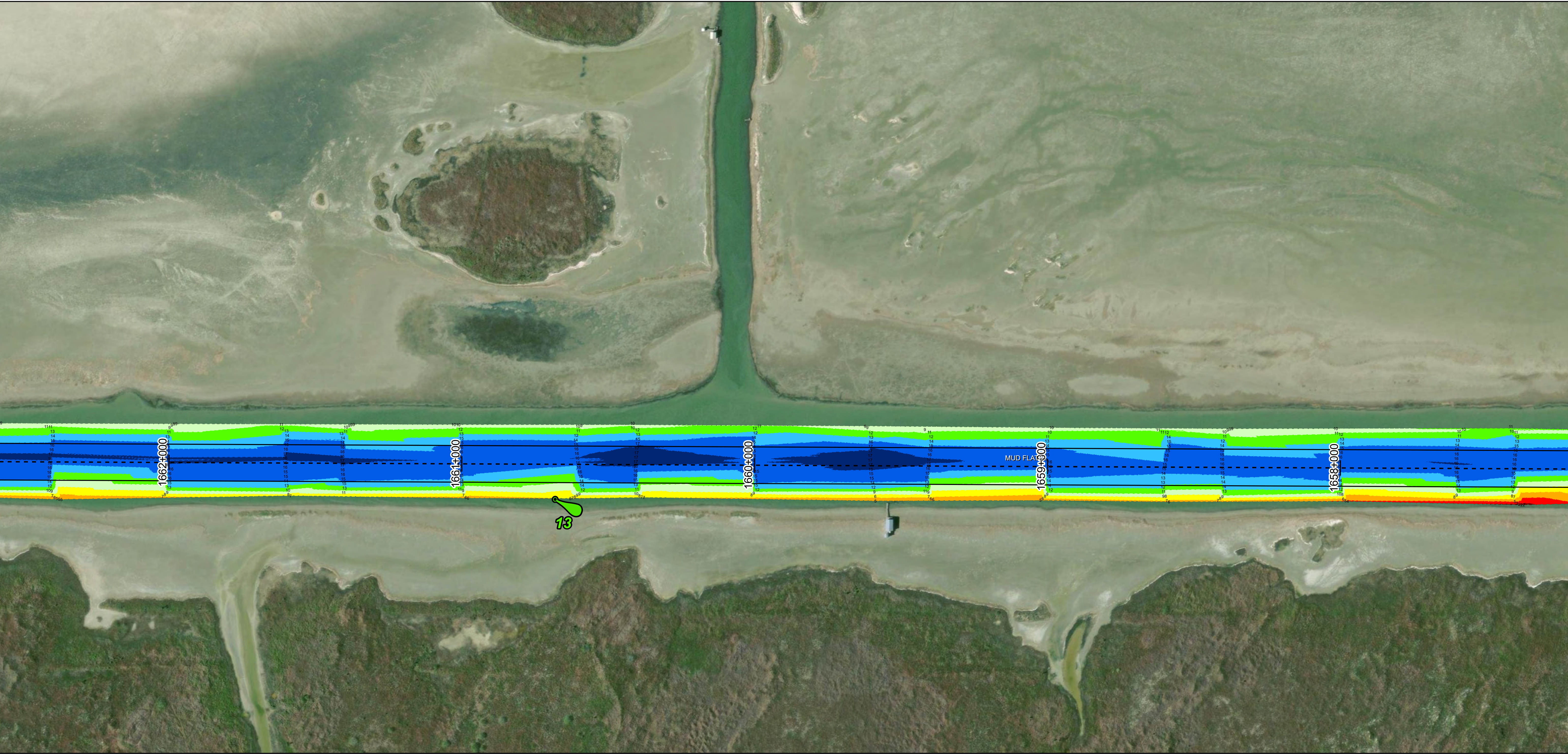
U.S. Army Corps of Engineers
Galveston District



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

MLLW

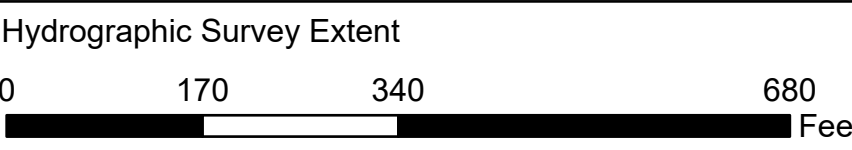
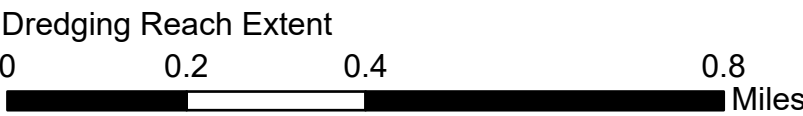


NOTES:

- Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
 - Elevations are referenced to mean lower low tide (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 111.11-111.12.
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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
World Imagery: Maxar

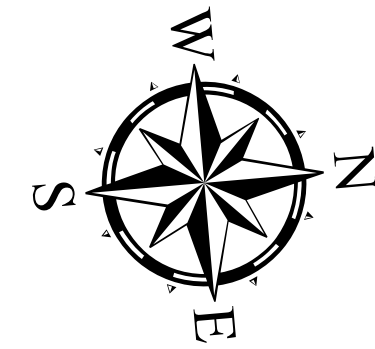
Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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: 1591+500 to 1679+500
GULF INTRACOASTAL WATERWAY
Light 175 to Banderia Island



Latest Survey Collection Date: 07 June 2023		Authorized Depth: -13ft.
Document Page: 15 of 19	Website Index Number: 265	Side Slope Ratio: (Rise : Run)
Scale: 1"=2,000'		PDF Print Date: 6/21/2023
Mapped by: M3AOXPAC		
Additional Imagery info:		

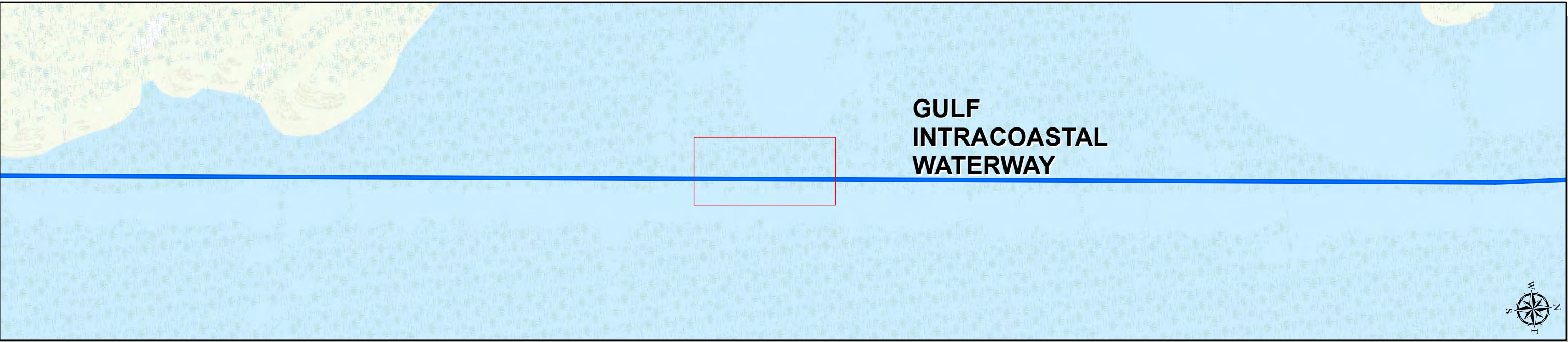
Gulf Intracoastal Waterway: Light 175 to Banderia Island



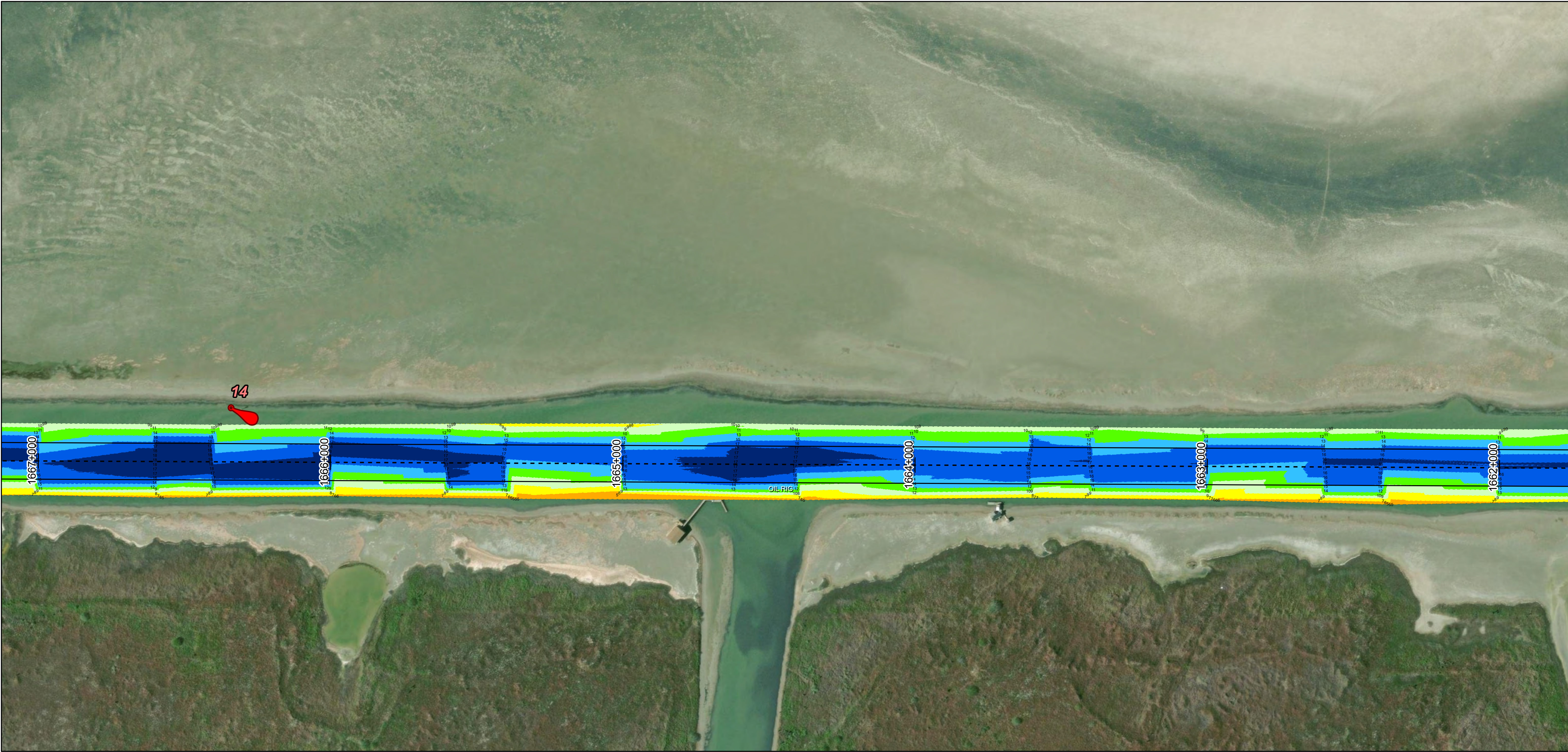
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



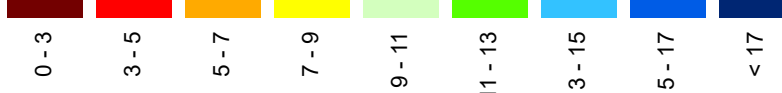
Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW



NOTES:

- Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
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 - 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 111.01-01152.
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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

Additional Combined Survey Dates and Stationing:

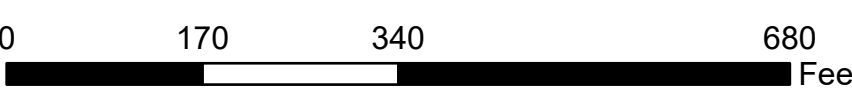
COMB_SURV_INFO_HERE

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

Dredging Reach Extent



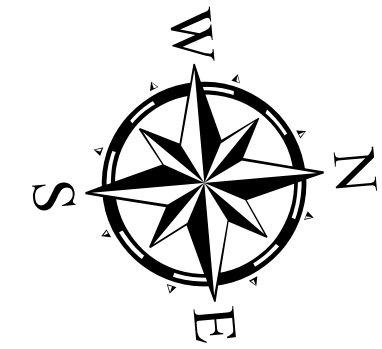
Hydrographic Survey Extent



HYDROGRAPHIC SURVEY

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

Station: 1591+500 to 1679+500
GULF INTRACOASTAL WATERWAY
Light 175 to Banderia Island



Latest Survey Collection Date: 07 June 2023

Document Page: 16 of 19

Website Index Number: 266

Scale: 1"=2,000

Mapped by: M3AOXPAC

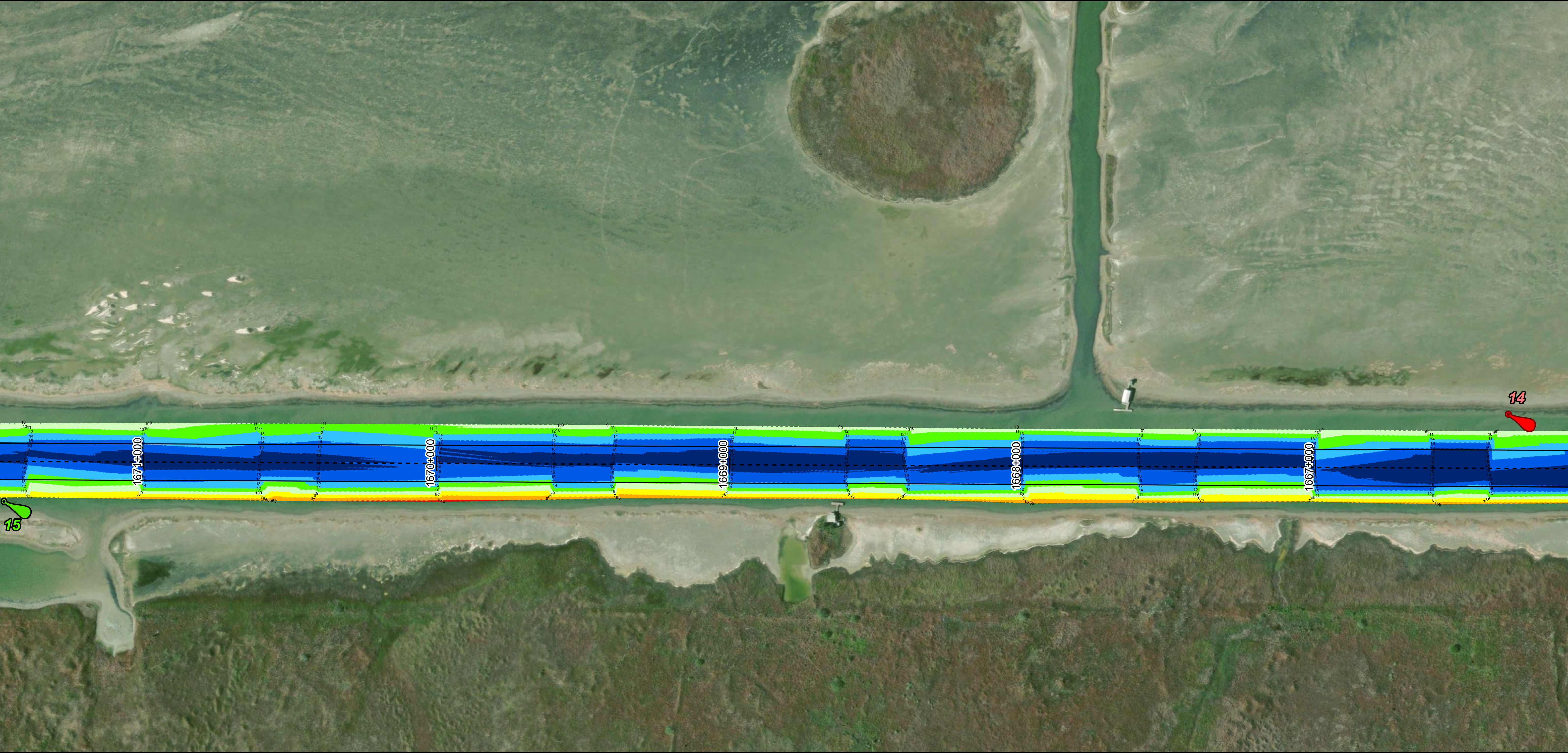
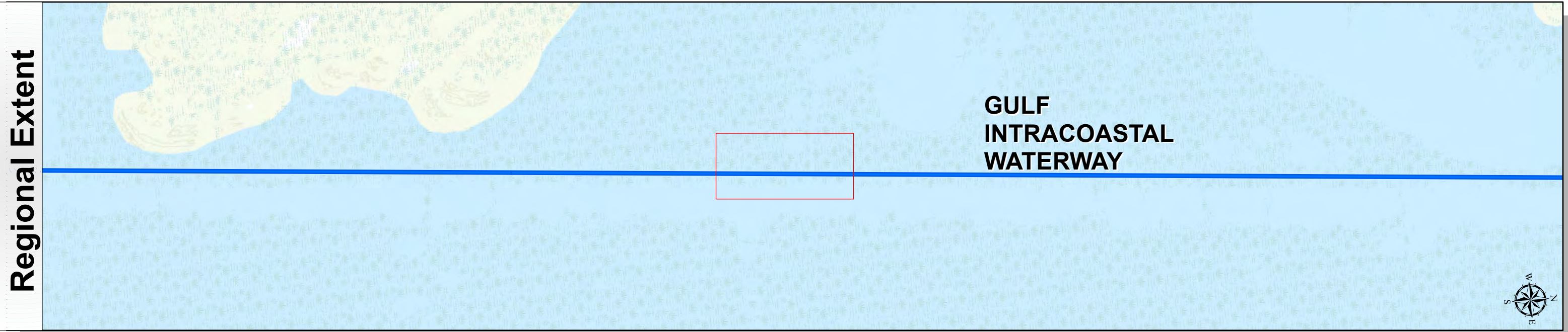
Additional Imagery info:

Authorized Depth: -13ft.

Side Slope Ratio: (Rise : Run)

PDF Print Date: 6/21/2023

Gulf Intracoastal Waterway: Light 175 to Banderia Island



Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

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

NOTES:
1. Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
2. Elevations are referenced to mean lower low tide (MLLW) datum.
3. This project was designed by the Galveston District of the U.S. Army Corps of Engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by 47 CFR 111.110-111.112.
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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

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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

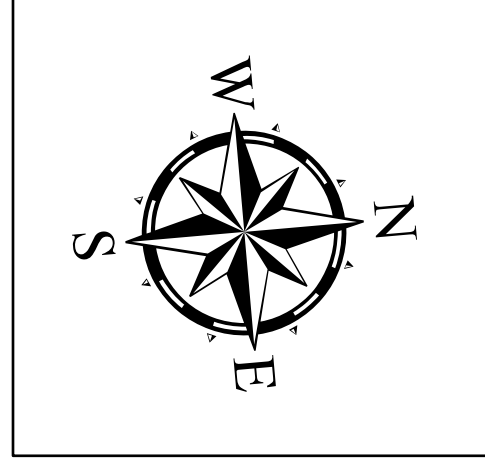
Dredging Reach Extent

0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent

0 170 340 680 Feet

Latest Survey Collection Date: 07 June 2023		Authorized Depth: -13ft.
Document Page: 17 of 19	Website Index Number: 267	Side Slope Ratio: (Rise : Run)
Scale: 1"=2,000'		PDF Print Date: 6/21/2023
Mapped by: M3AOXPAC		
Additional Imagery info:		



HYDROGRAPHIC SURVEY

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

Station: 1591+500 to 1679+500

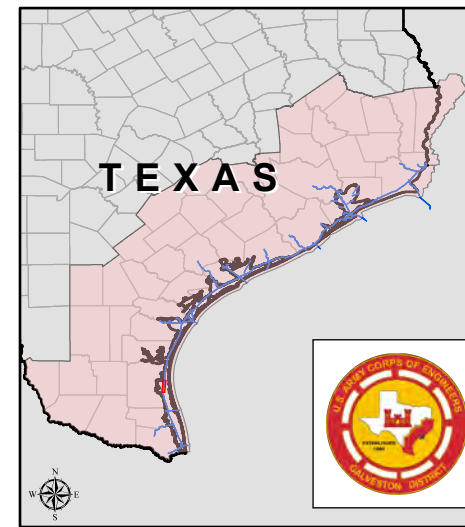
GULF INTRACOASTAL WATERWAY

Light 175 to Banderia Island

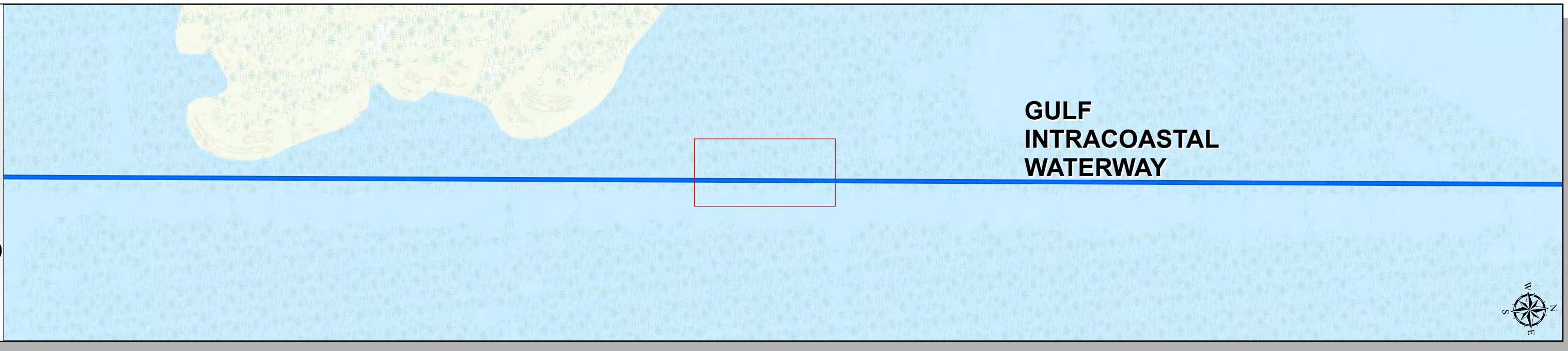
Gulf Intracoastal Waterway: Light 175 to Banderia Island



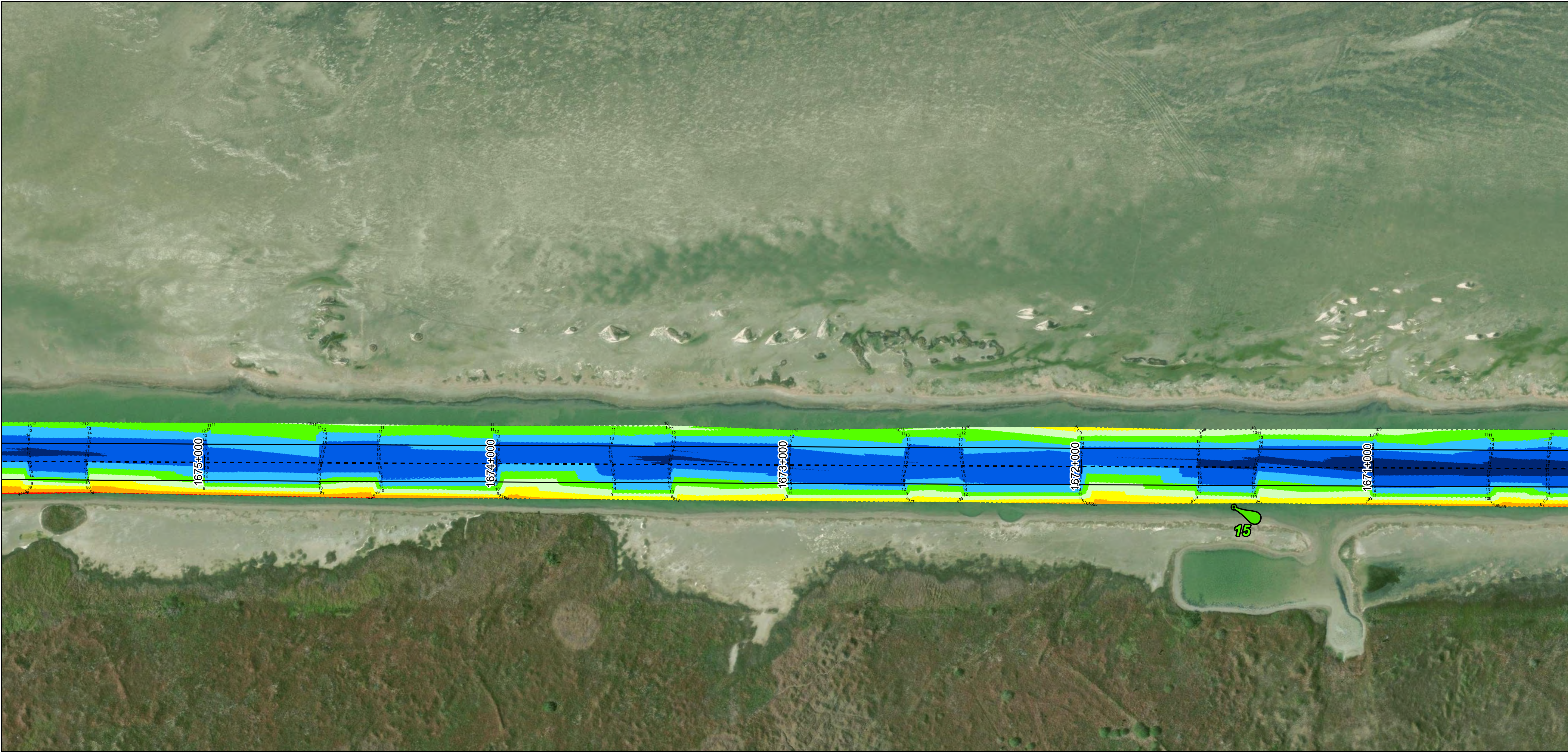
U.S. Army Corps of Engineers
Galveston District



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

MLLW

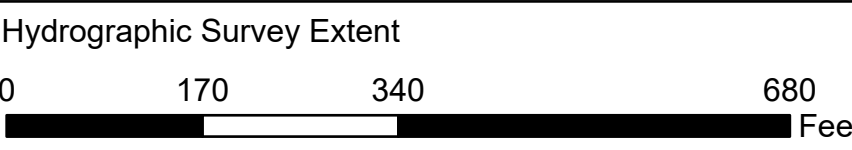


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World Imagery: Maxar, Microsoft
World Imagery: Maxar

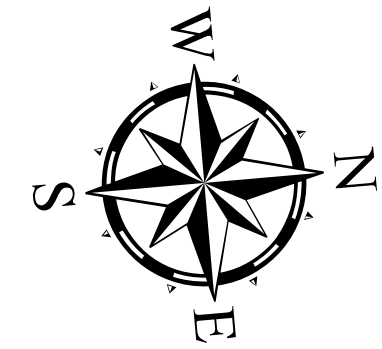
Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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: 1591+500 to 1679+500
GULF INTRACOASTAL WATERWAY
Light 175 to Banderia Island



Latest Survey Collection Date: 07 June 2023		Authorized Depth: -13ft.
Document Page: 18 of 19	Website Index Number: 268	Side Slope Ratio: (Rise : Run)
Scale: 1"=2,000'		PDF Print Date: 6/21/2023
Mapped by: M3AOXPAC		
Additional Imagery info:		

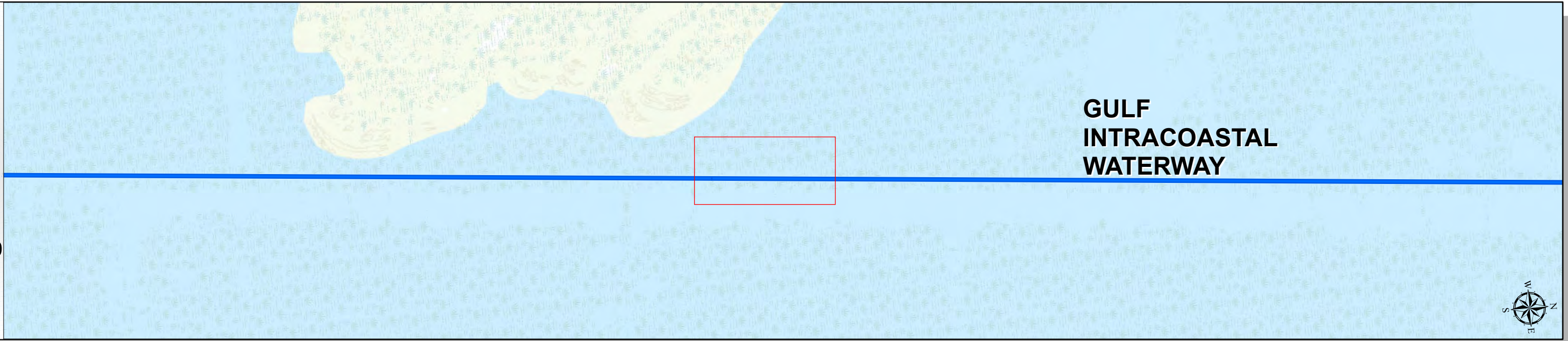
Gulf Intracoastal Waterway: Light 175 to Banderia Island



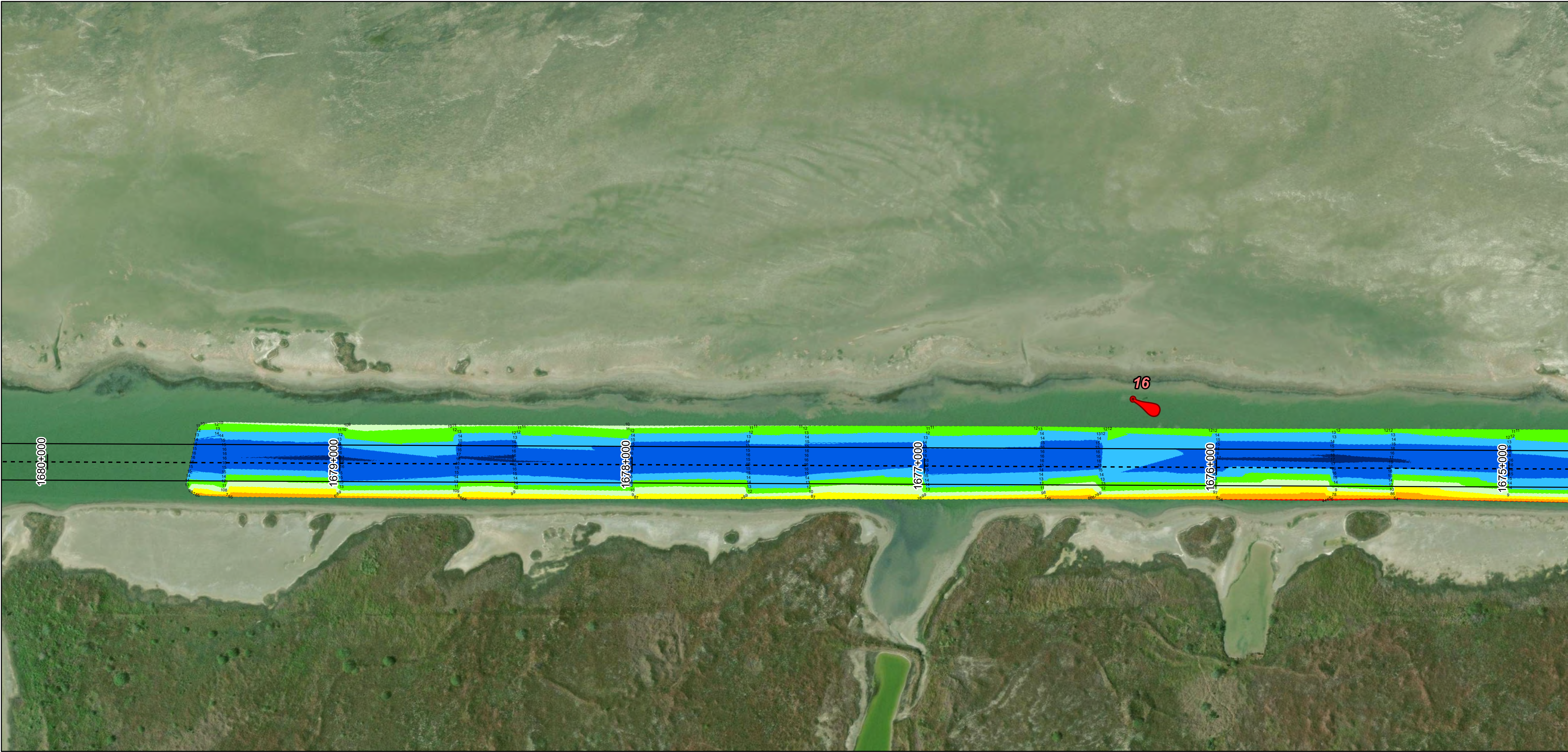
U.S. Army Corps of Engineers
Galveston District



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

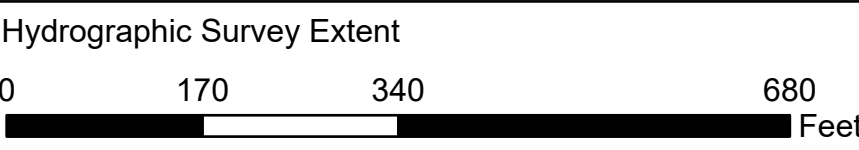
MLLW



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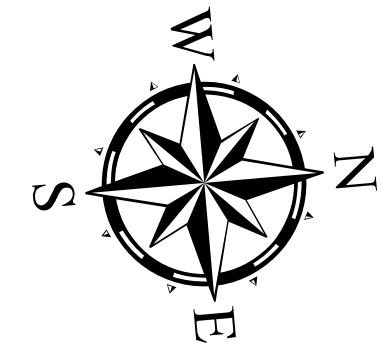
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HYDROGRAPHIC SURVEY

U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS
Station: 1591+500 to 1679+500
GULF INTRACOASTAL WATERWAY
Light 175 to Banderia Island



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