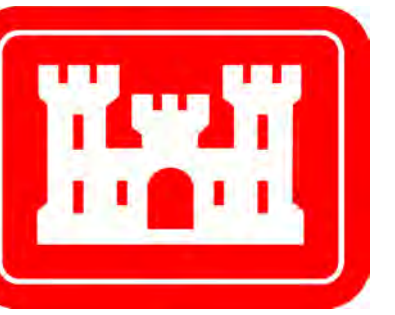
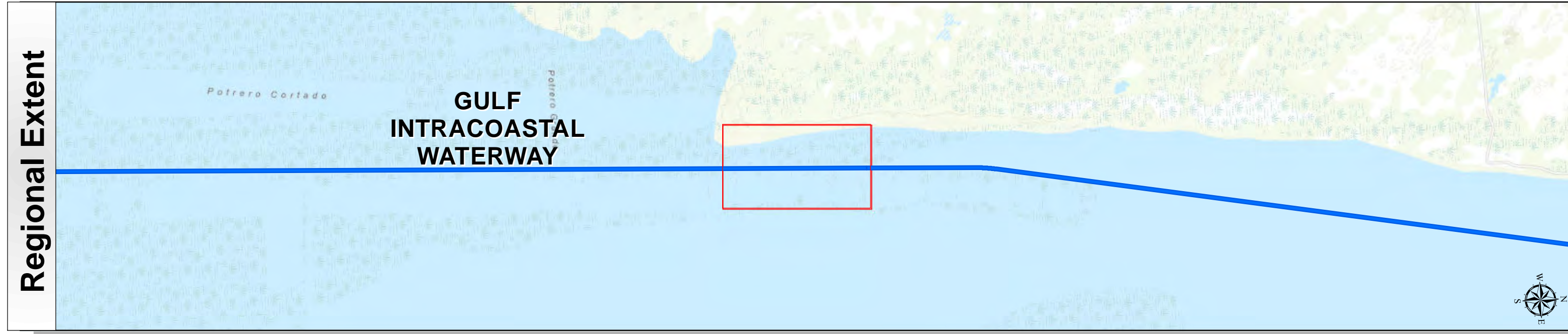


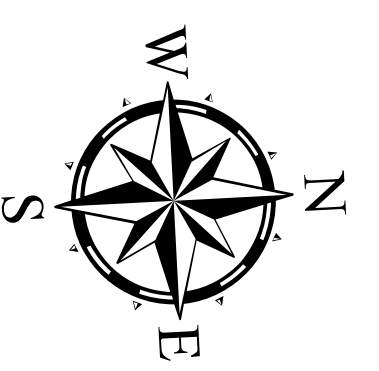
# Gulf Intracoastal Waterway: Light 175 to Banderia Island



U.S. Army Corps of Engineers  
Galveston District



Latest Survey Collection Date: 27 April 2022	Authorized Depth: -13ft.
Document Page: 1 of 19	Side Slope Ratio: (Rise : Run)
Scale: 1:2,000	PDF Print Date: 4/29/2022
Mapped by: m3odnmhg	
Additional Imagery info:	



**Channel Features**

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

**Aids to Navigation**

- Green Side Aids
- Red Side Aids
- Lights

**MLLW**

**NOTES:**

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Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community  
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Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Additional Combined Survey Dates and Stationing:  
COMB\_SURV\_INFO\_HERE

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet  
Projection: Lambert Conformal Conic / Datum: North American 1983

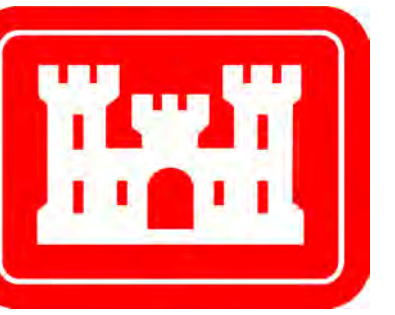
**Dredging Reach Extent**

**Hydrographic Survey Extent**

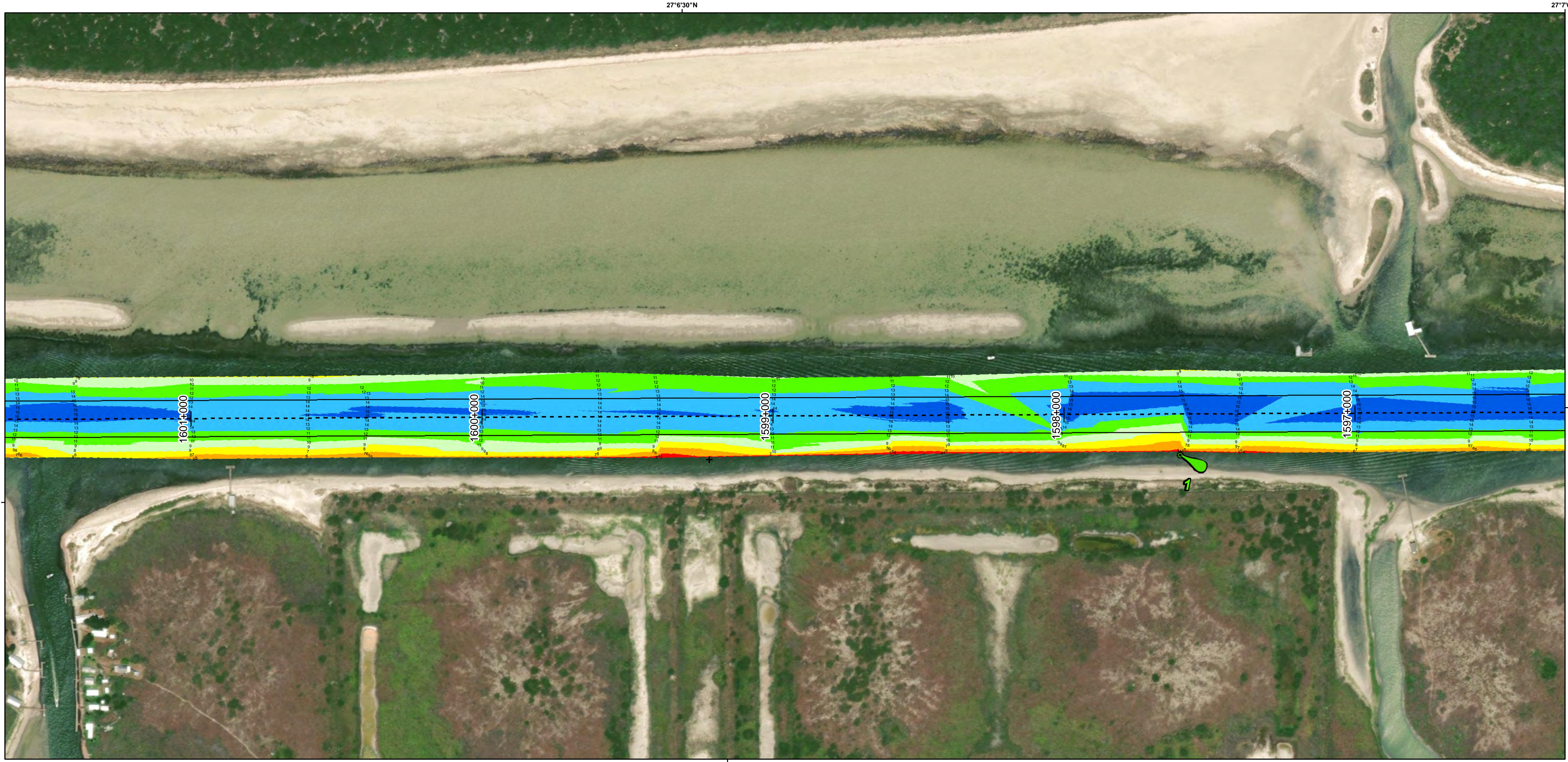
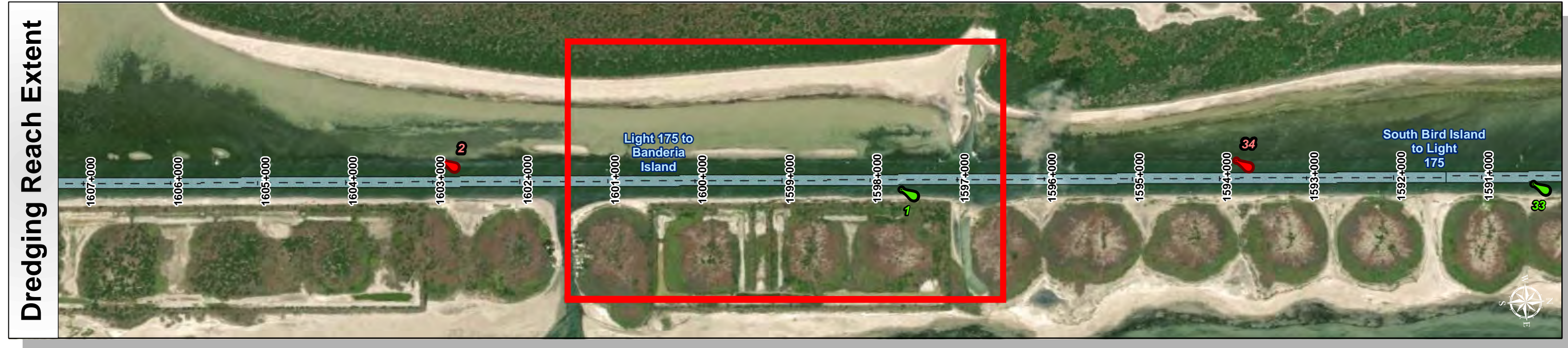
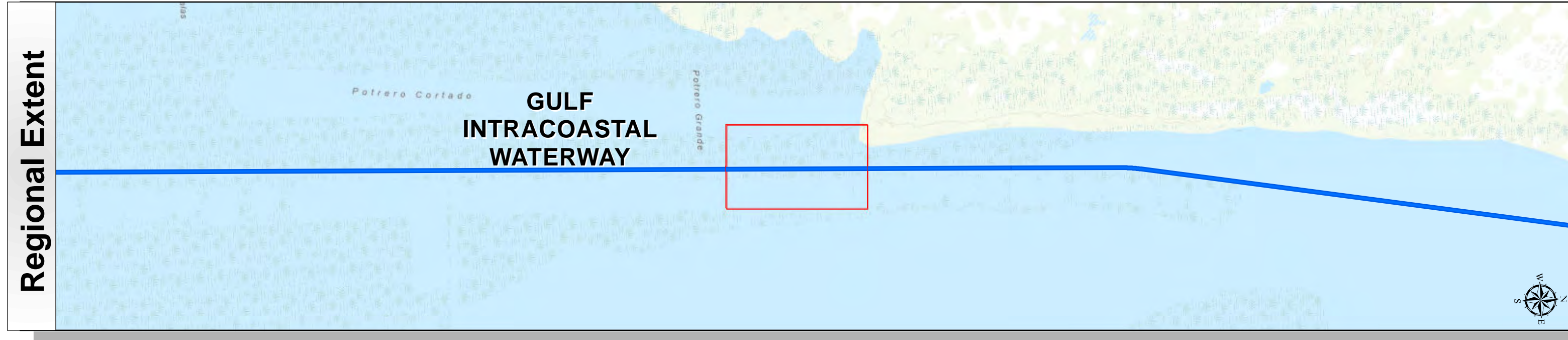
**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

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

# Gulf Intracoastal Waterway: Light 175 to Banderia Island



U.S. Army Corps of Engineers  
Galveston District



**Channel Features**

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

**Aids to Navigation**

- Green Side Aids
- Red Side Aids
- Lights

**MLLW**

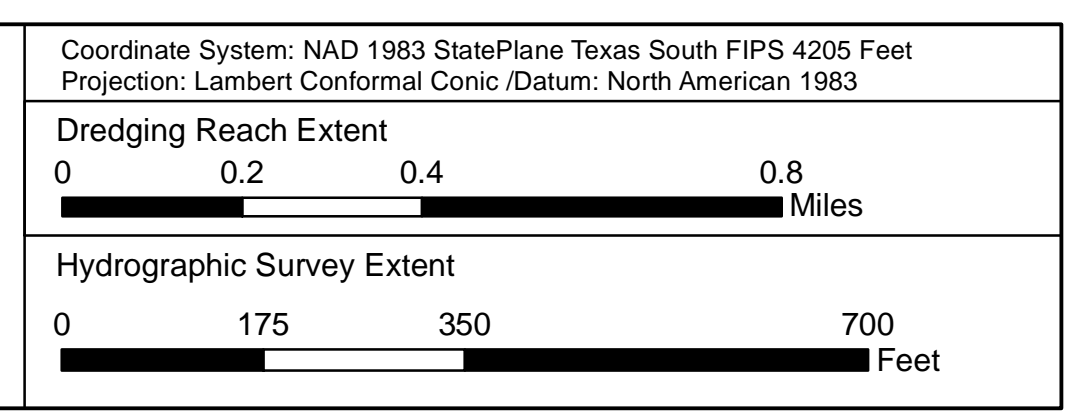
0 - 3  
3 - 5  
5 - 7  
7 - 9  
9 - 11  
11 - 13  
13 - 15  
15 - 17  
< 17

**NOTES:**

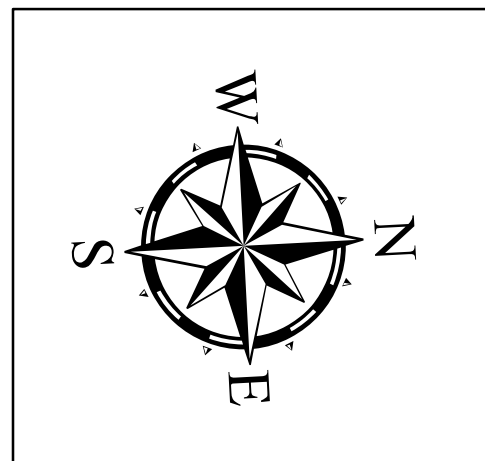
- Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
- Elevations are referenced to mean lower low tide (MLLW) datum.
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Additional Combined Survey Dates and Stationing:  
COMB\_SURV\_INFO\_HERE



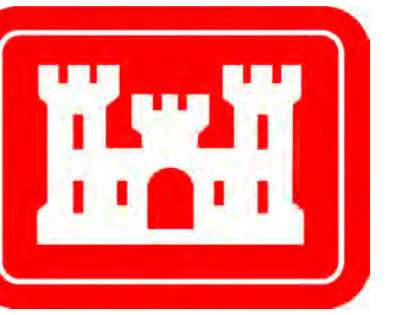
Latest Survey Collection Date: 27 April 2022	Authorized Depth: -13ft.
Document Page: 2 of 19	Side Slope Ratio: (Rise : Run)
Scale: 1:2,000	PDF Print Date: 4/29/2022
Mapped by: m3odnmhg	
Additional Imagery info:	



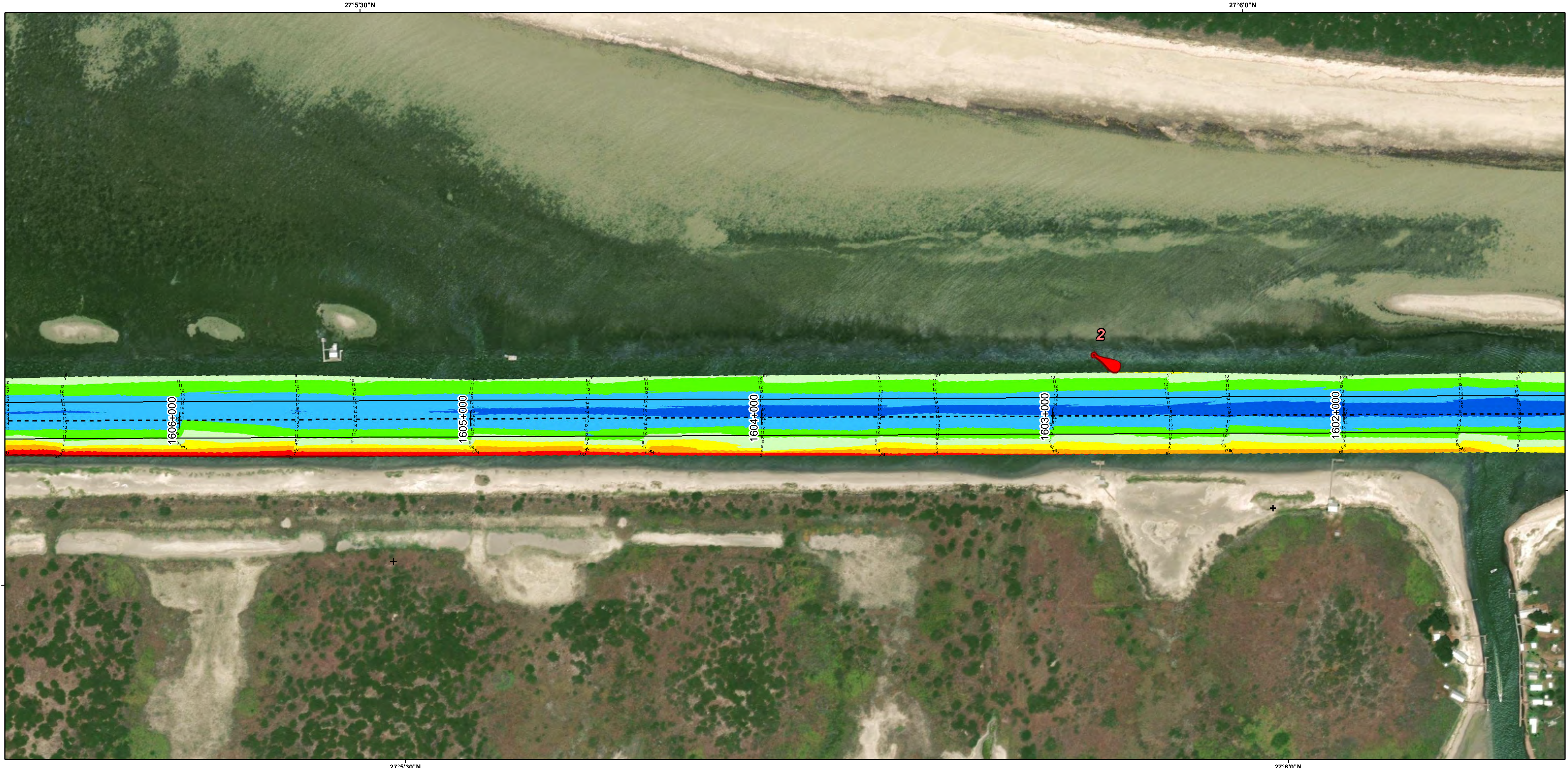
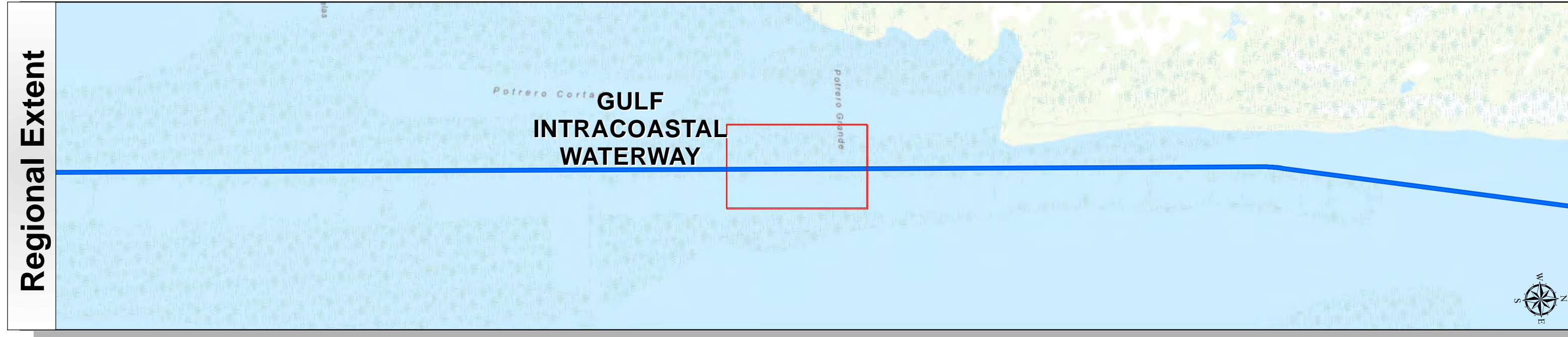
**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

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

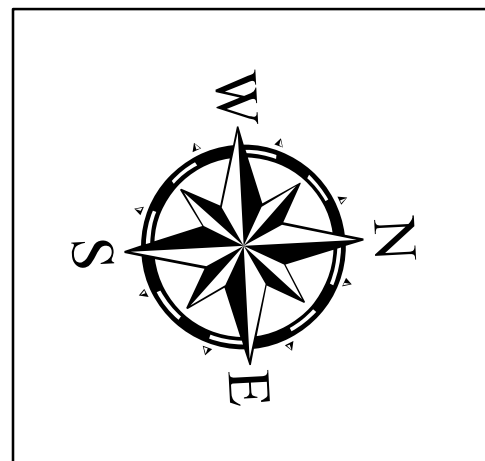
# Gulf Intracoastal Waterway: Light 175 to Banderia Island



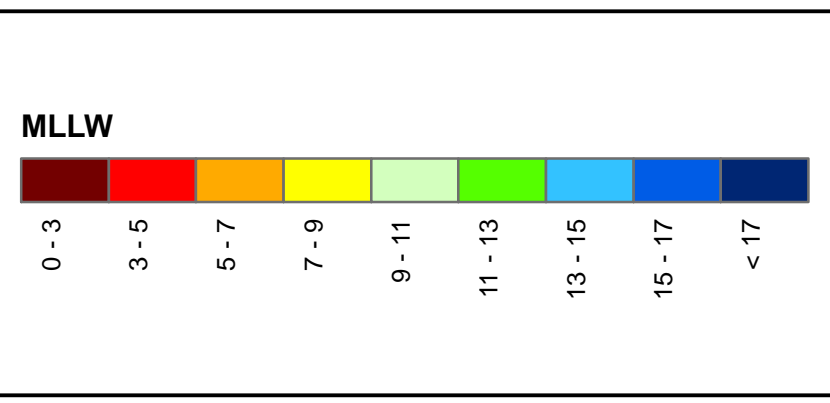
U.S. Army Corps of Engineers  
Galveston District



Latest Survey Collection Date: 27 April 2022	Authorized Depth: -13ft.
Document Page: 3 of 19	Side Slope Ratio: (Rise : Run)
Scale: 1:2,000	PDF Print Date: 4/29/2022
Mapped by: m3odnmhg	
Additional Imagery info:	



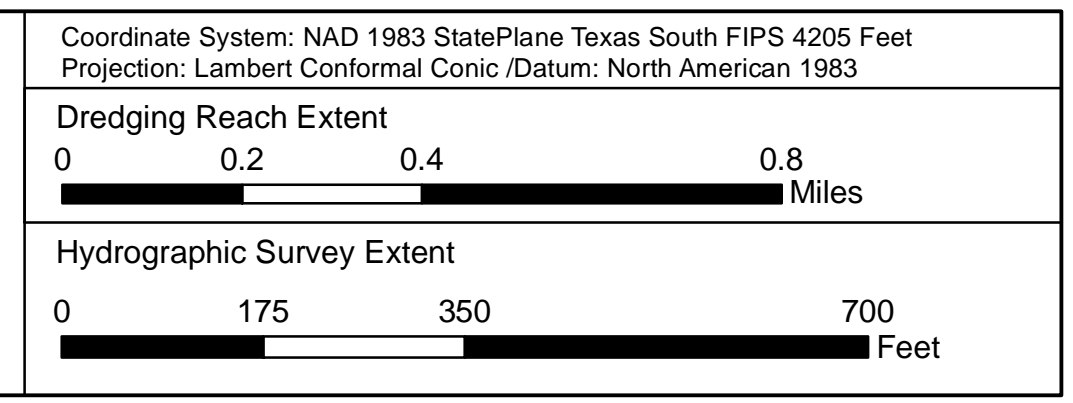
Channel Features	Aids to Navigation
Channel Toe	Green Side Aids
Channel Center Line	Red Side Aids
Channel Station Lines	Lights
Channel Dimensions	



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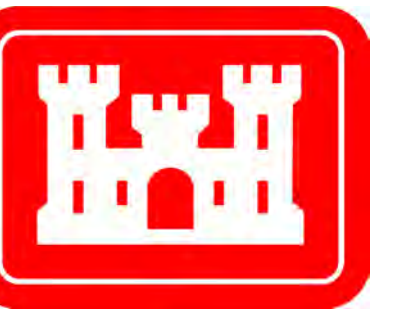
Additional Combined Survey Dates and Stationing:  
 COMB\_SURV\_INFO\_HERE



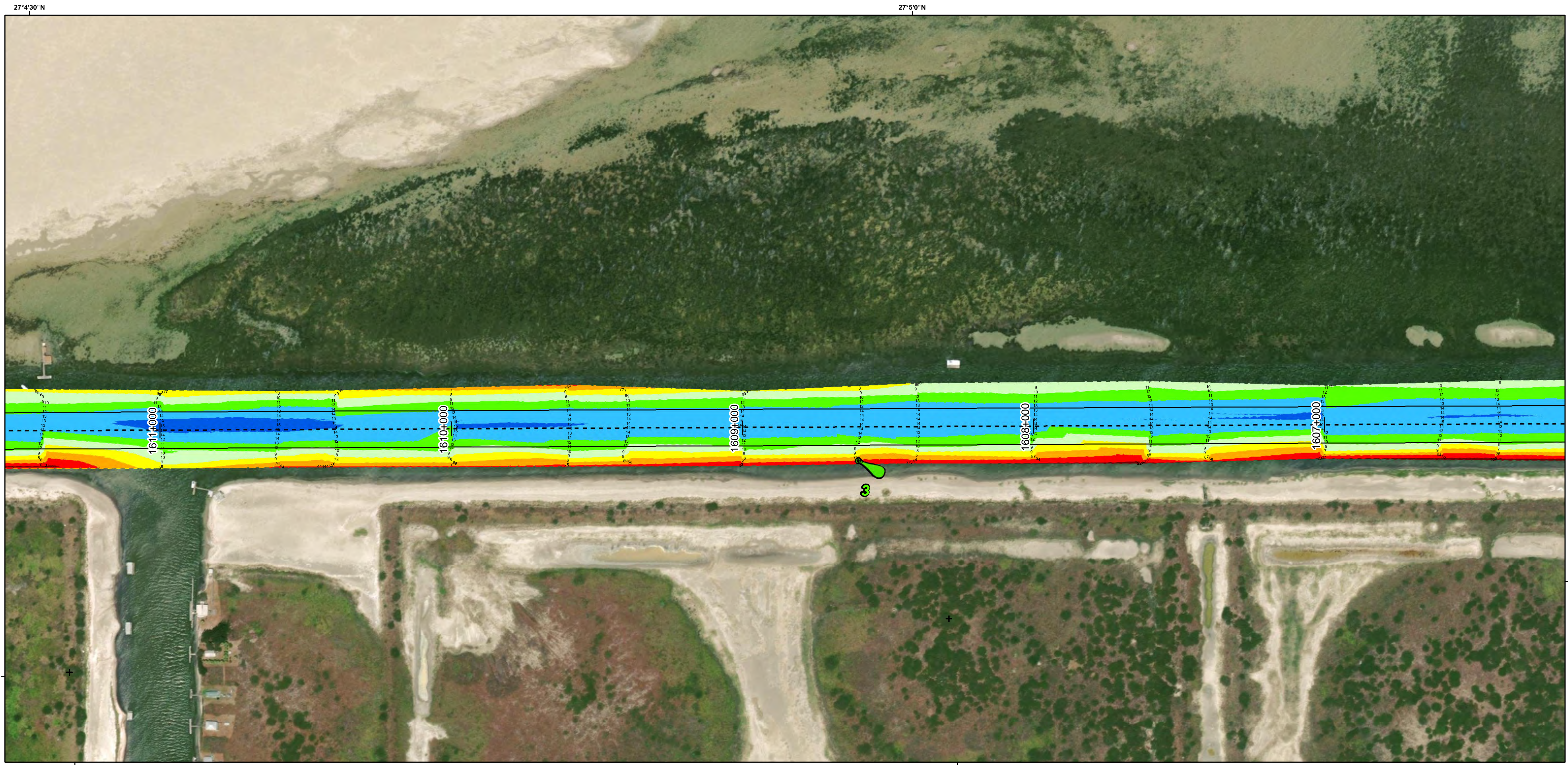
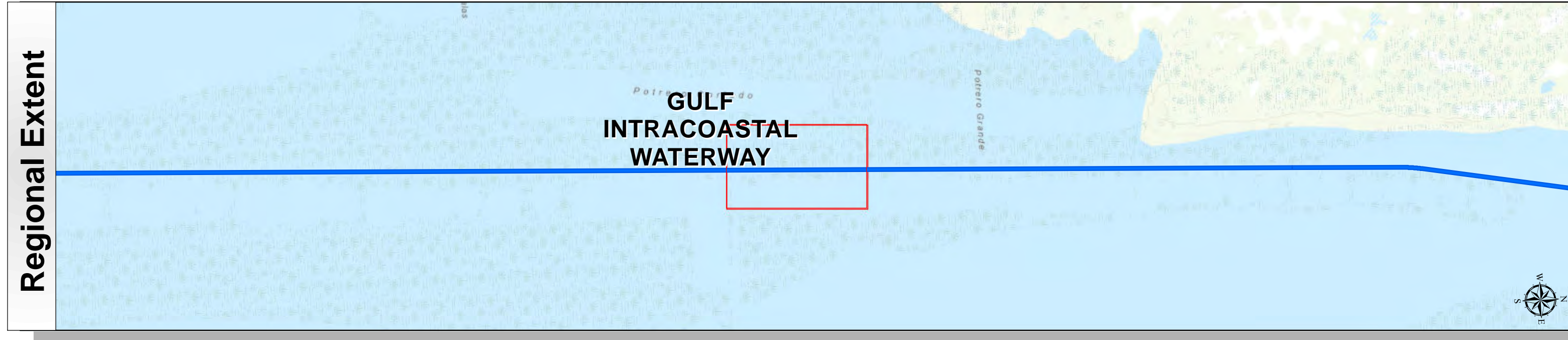
**HYDROGRAPHIC SURVEY**  
 U.S. ARMY ENGINEER DISTRICT  
 CORPS OF ENGINEERS  
 GALVESTON, TEXAS

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

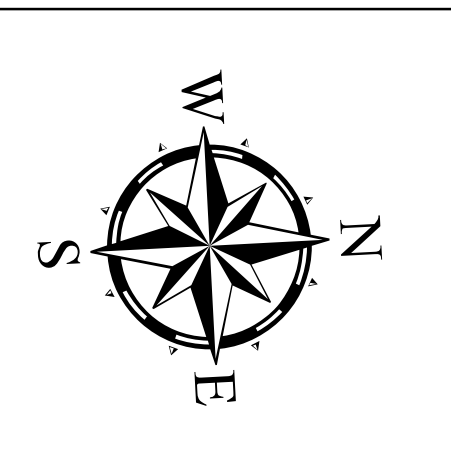
# Gulf Intracoastal Waterway: Light 175 to Banderia Island



U.S. Army Corps of Engineers  
Galveston District



Latest Survey Collection Date: 27 April 2022	Authorized Depth: -13ft.
Document Page: 4 of 19	Side Slope Ratio: (Rise : Run)
Scale: 1:2,000	PDF Print Date: 4/29/2022
Mapped by: m3odnmhg	
Additional Imagery info:	



**Channel Features**

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

**Aids to Navigation**

- Green Side Aids
- Red Side Aids
- Lights

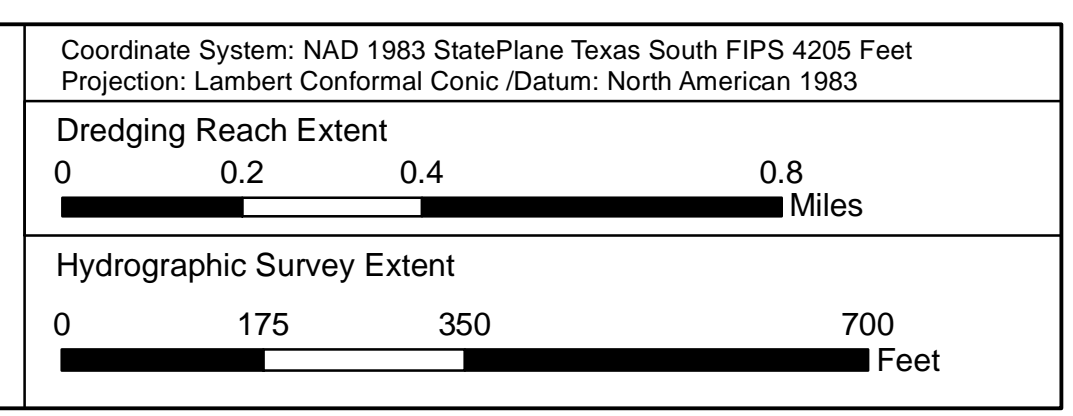
**MLLW**

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Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

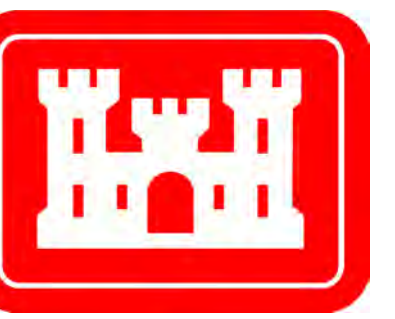
Additional Combined Survey Dates and Stationing:  
COMB\_SURV\_INFO\_HERE



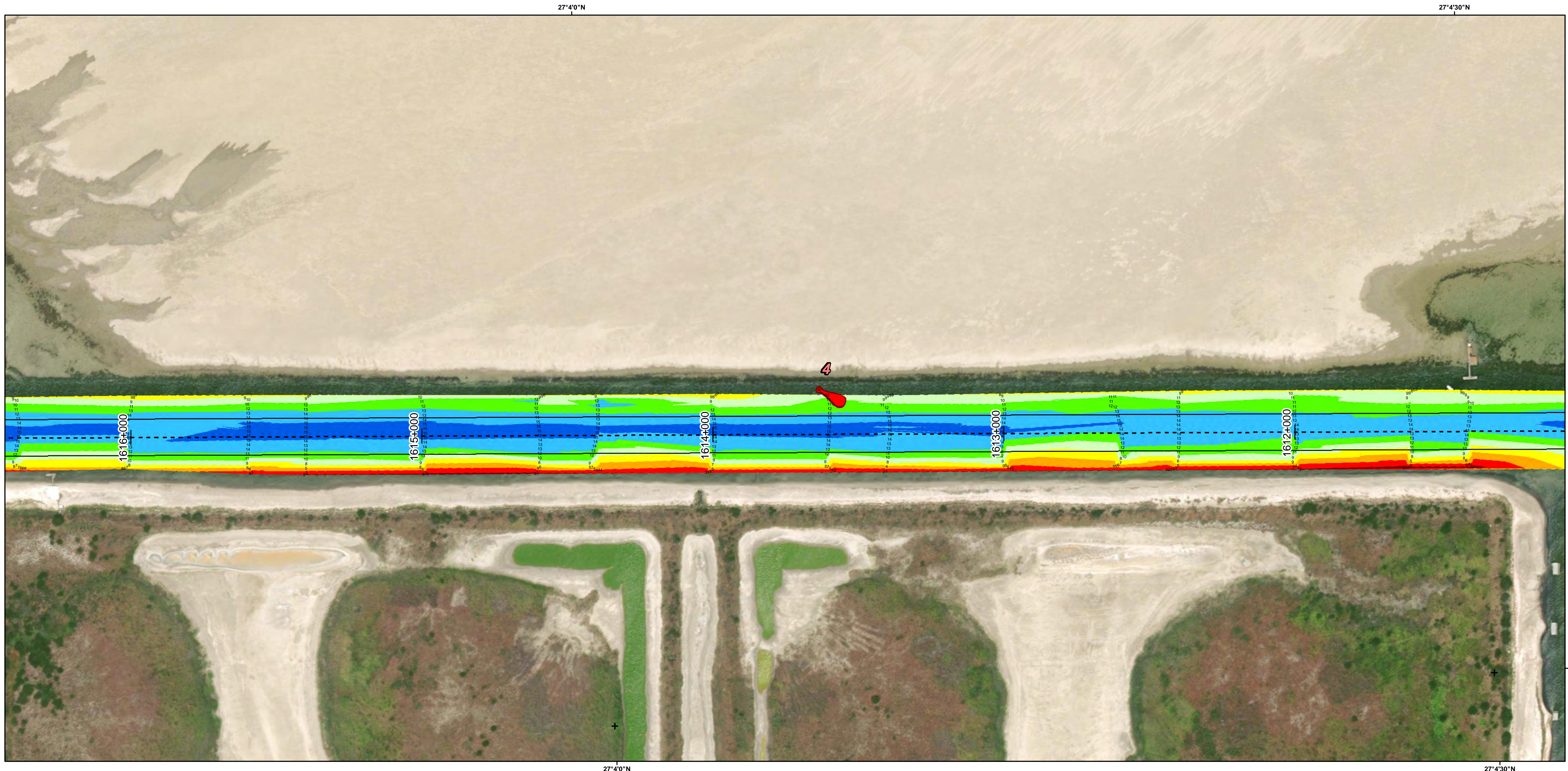
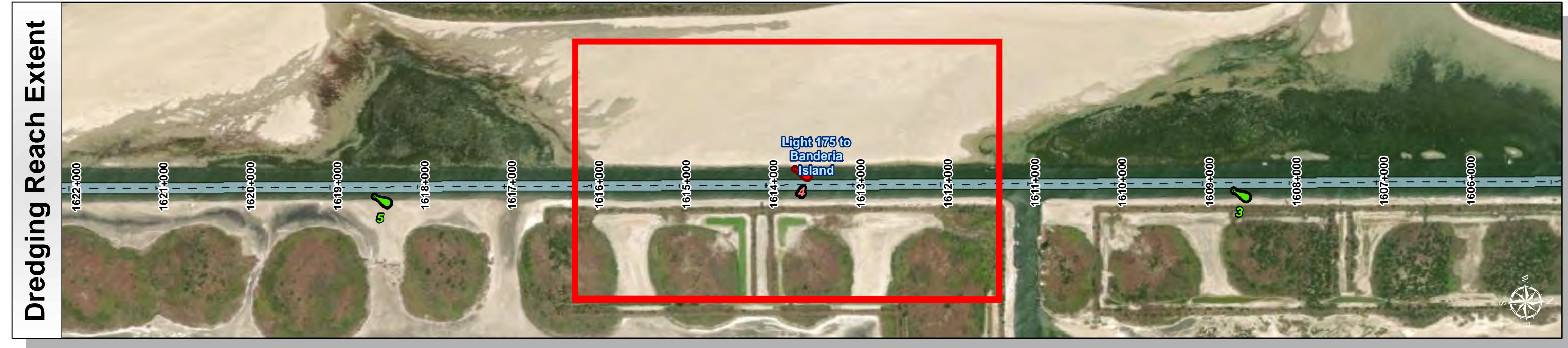
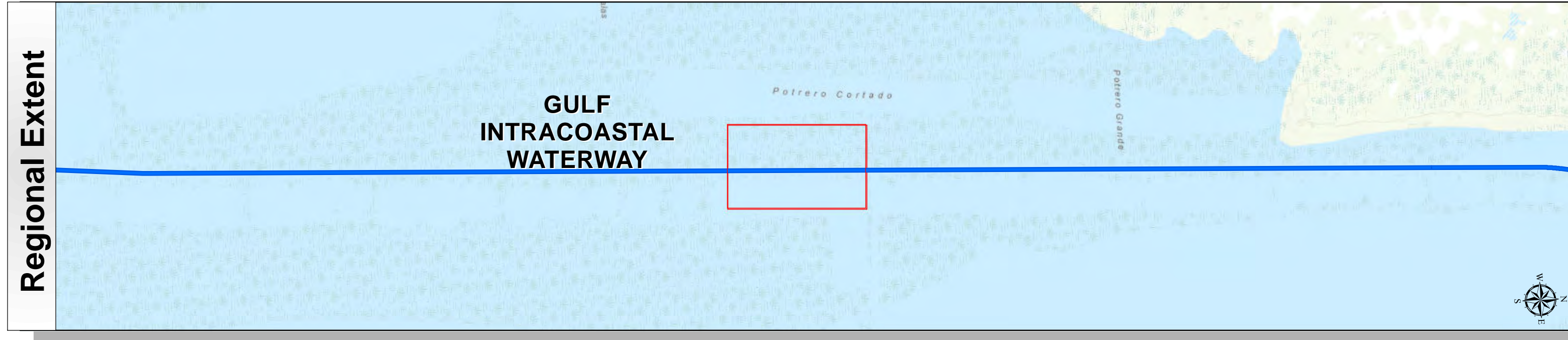
**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

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

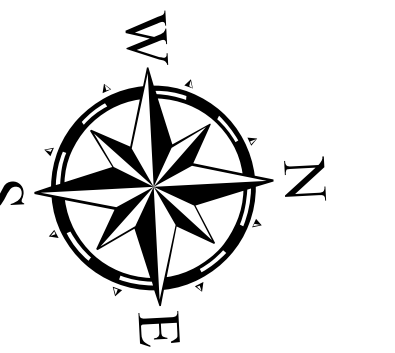
# Gulf Intracoastal Waterway: Light 175 to Banderia Island



U.S. Army Corps of Engineers  
Galveston District



Latest Survey Collection Date: 27 April 2022	Authorized Depth: -13ft.
Document Page: 5 of 19	Side Slope Ratio: (Rise : Run)
Scale: 1:2,000	PDF Print Date: 4/29/2022
Mapped by: m3odnmhg	
Additional Imagery info:	



**Channel Features**

- Channel Toe
- Channel Center Line
- 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

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Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Additional Combined Survey Dates and Stationing:  
COMB\_SURV\_INFO\_HERE

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet  
Projection: Lambert Conformal Conic /Datum: North American 1983

**Dredging Reach Extent**

0 0.2 0.4 0.8 Miles

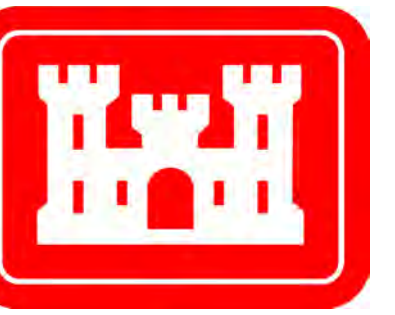
**Hydrographic Survey Extent**

0 175 350 700 Feet

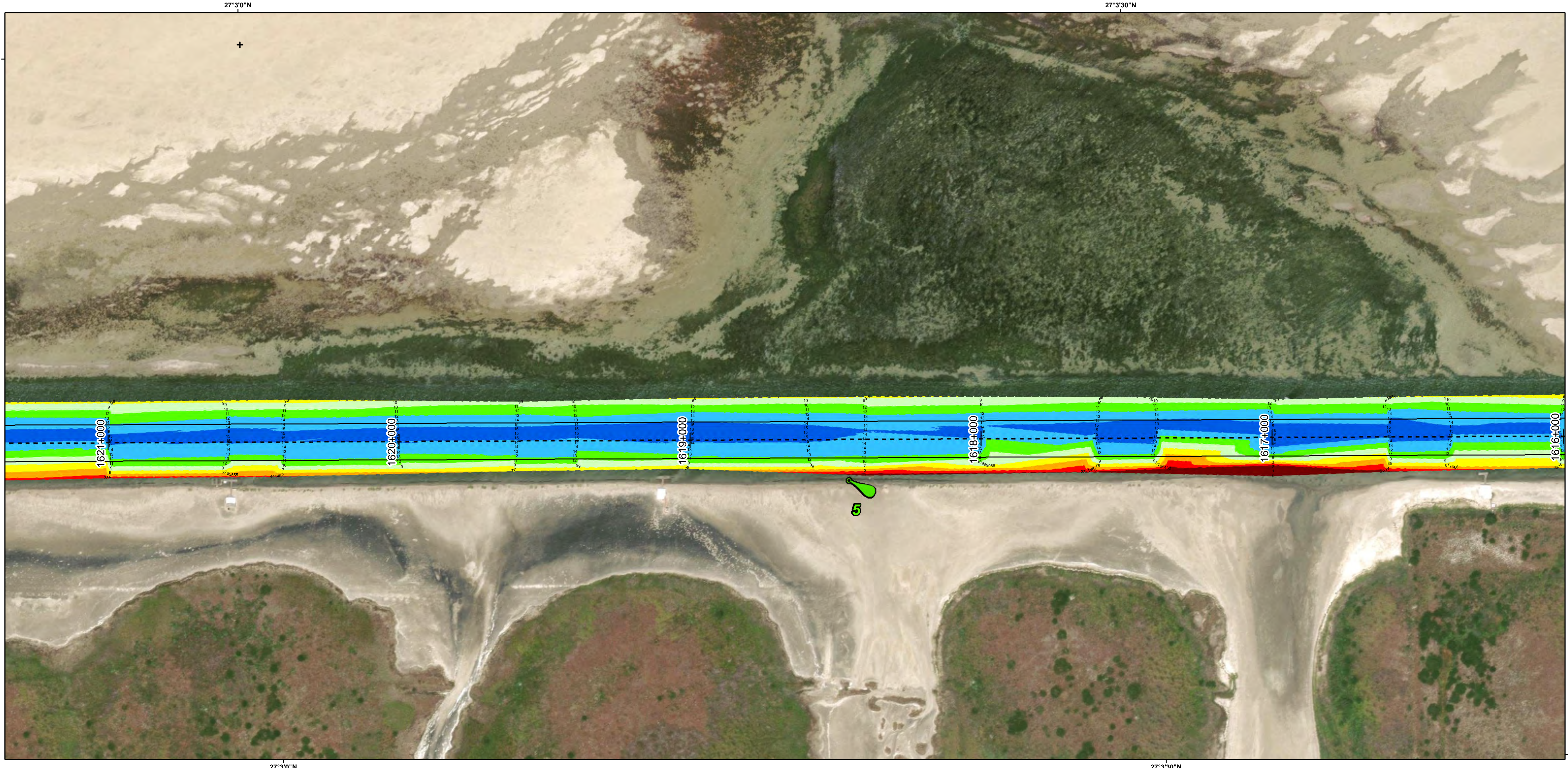
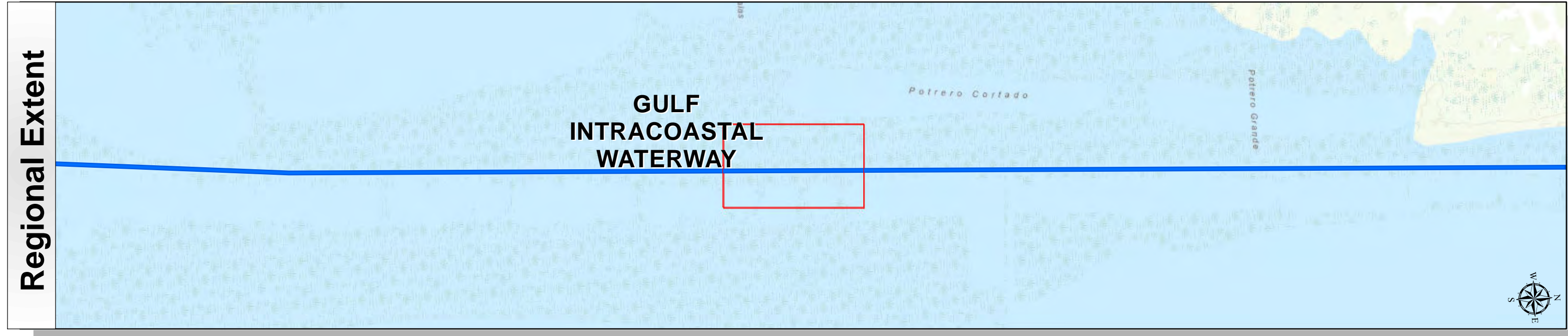
**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

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

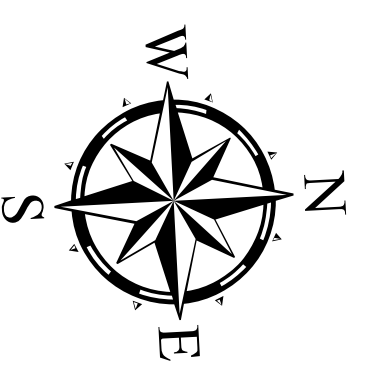
# Gulf Intracoastal Waterway: Light 175 to Banderia Island



U.S. Army Corps of Engineers  
Galveston District



Latest Survey Collection Date: 27 April 2022	Authorized Depth: -13ft.
Document Page: 6 of 19	Side Slope Ratio: (Rise : Run)
Website Index Number: 256	PDF Print Date: 4/29/2022
Scale: 1:2,000	
Mapped by: m3odnmhg	
Additional Imagery info:	



**Channel Features**

- Channel Toe
- Channel Center Line
- 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

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Additional Combined Survey Dates and Stationing:  
COMB\_SURV\_INFO\_HERE

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet  
Projection: Lambert Conformal Conic /Datum: North American 1983

**Dredging Reach Extent**

0 0.2 0.4 0.8 Miles

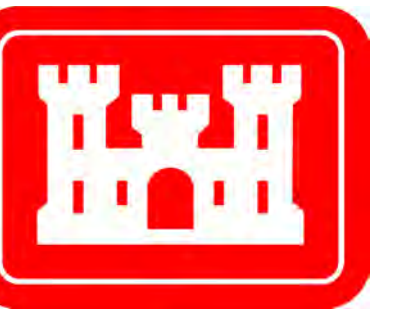
**Hydrographic Survey Extent**

0 175 350 700 Feet

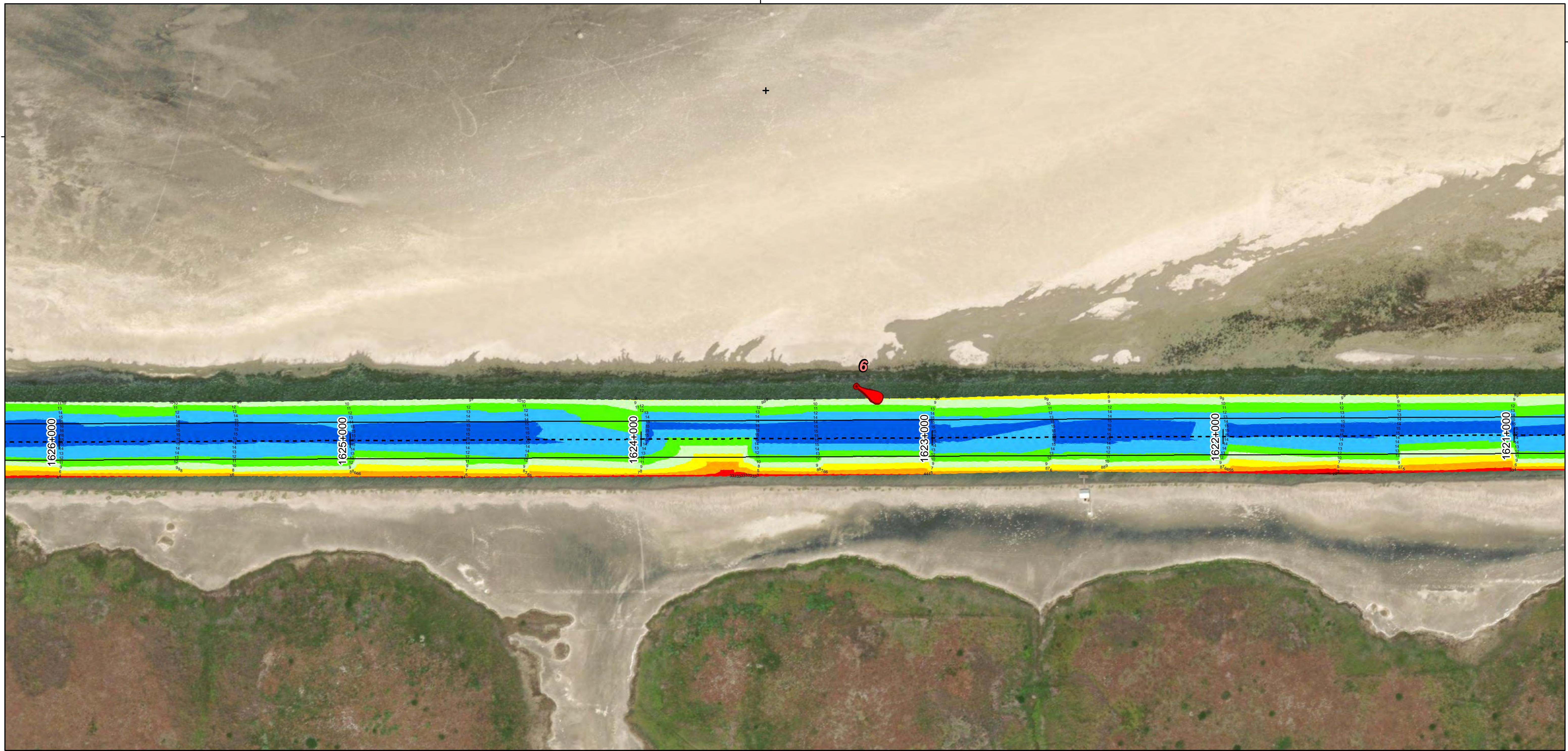
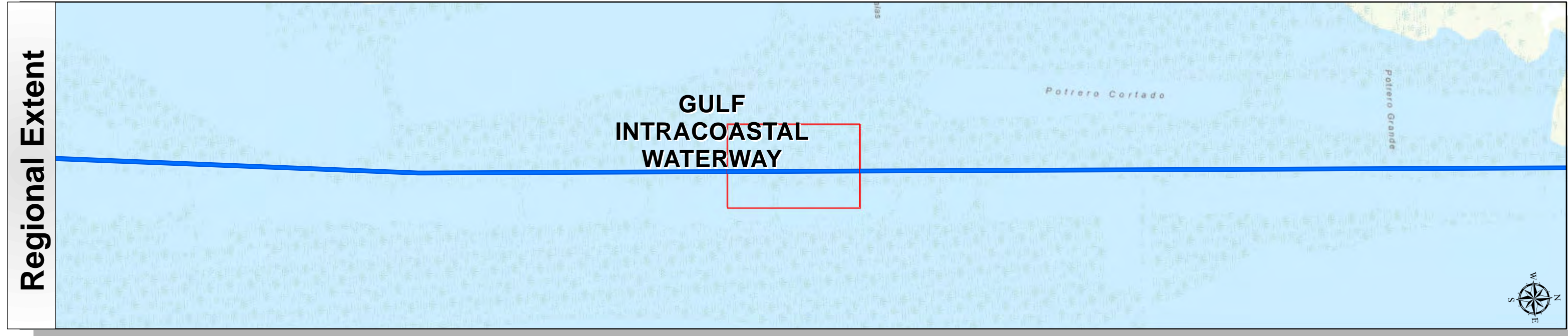
**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

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

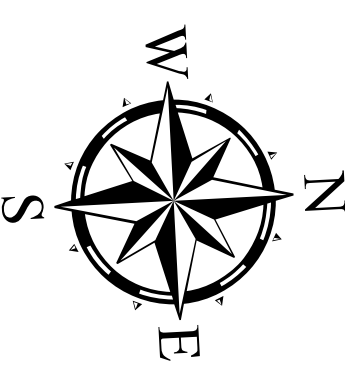
# Gulf Intracoastal Waterway: Light 175 to Bandería Island



U.S. Army Corps of Engineers  
Galveston District



Latest Survey Collection Date: 27 April 2022	Authorized Depth: -13ft.
Document Page: 7 of 19	Side Slope Ratio: (Rise : Run)
Scale: 1:2,000	PDF Print Date: 4/29/2022
Mapped by: m3odnmhg	
Additional Imagery info:	

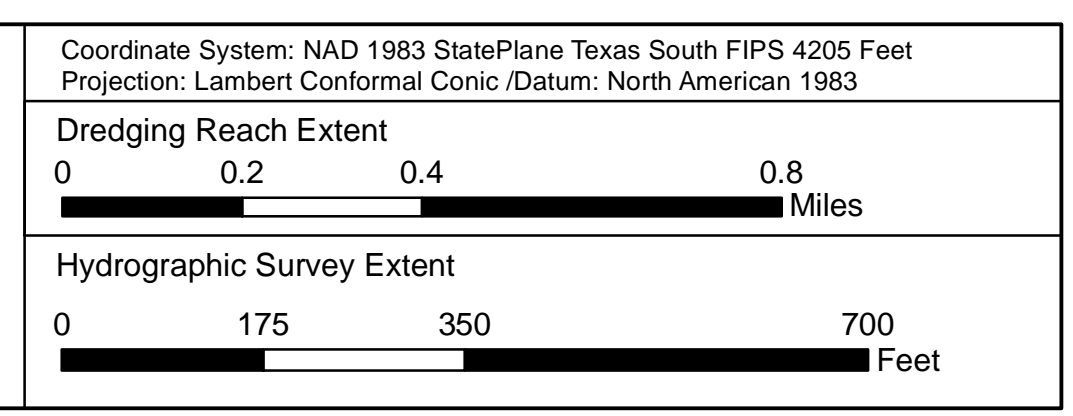


Channel Features	Aids to Navigation	MLLW
<ul style="list-style-type: none"> <li>Channel Toe</li> <li>Channel Center Line</li> <li>Channel Station Lines</li> <li>Channel Dimensions</li> </ul>	<ul style="list-style-type: none"> <li>Green Side Aids</li> <li>Red Side Aids</li> <li>Lights</li> </ul>	

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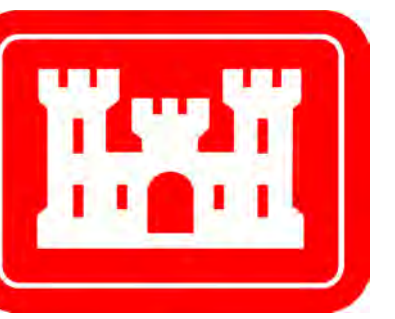
Additional Combined Survey Dates and Stationing:  
 COMB\_SURV\_INFO\_HERE



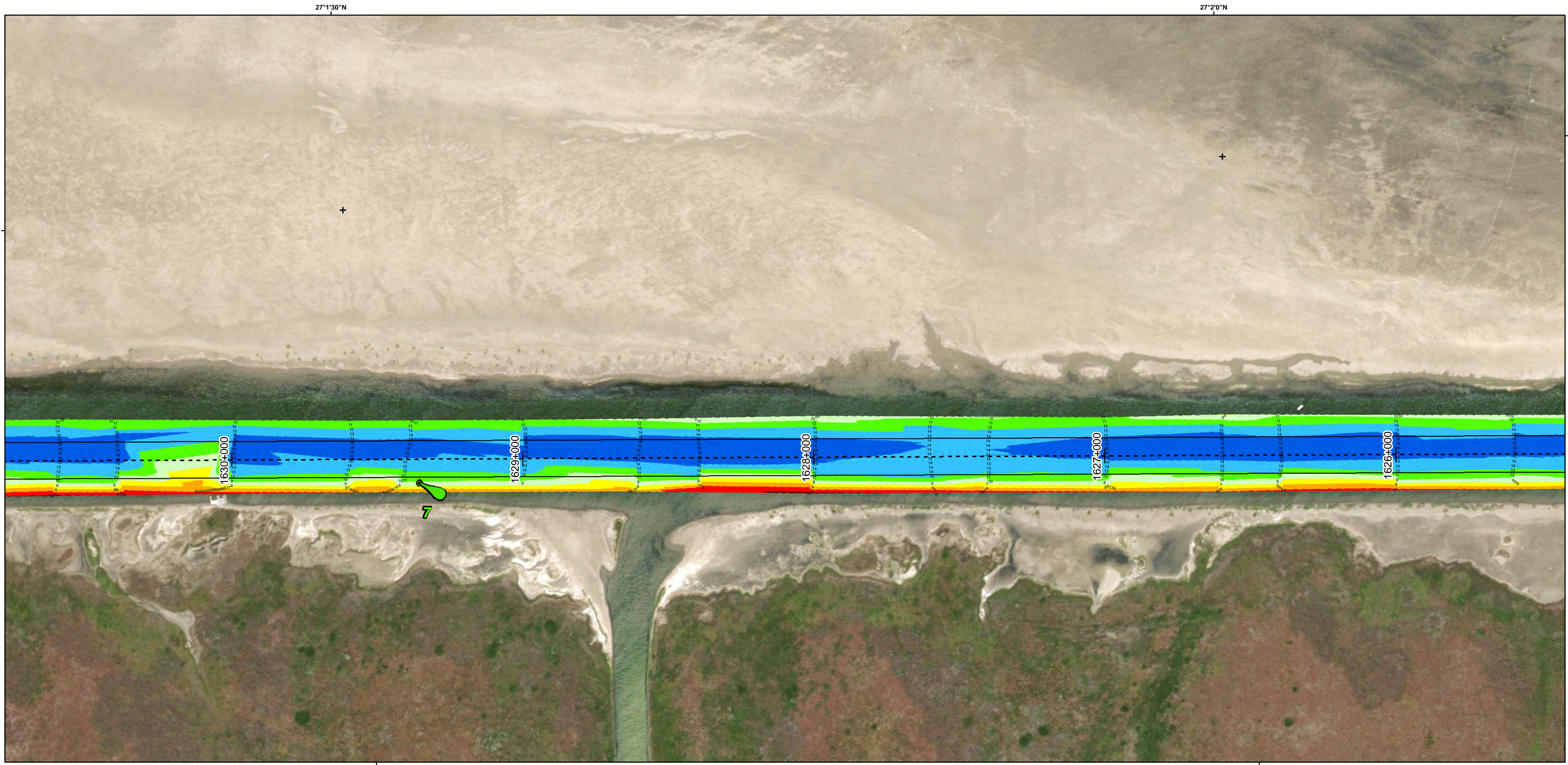
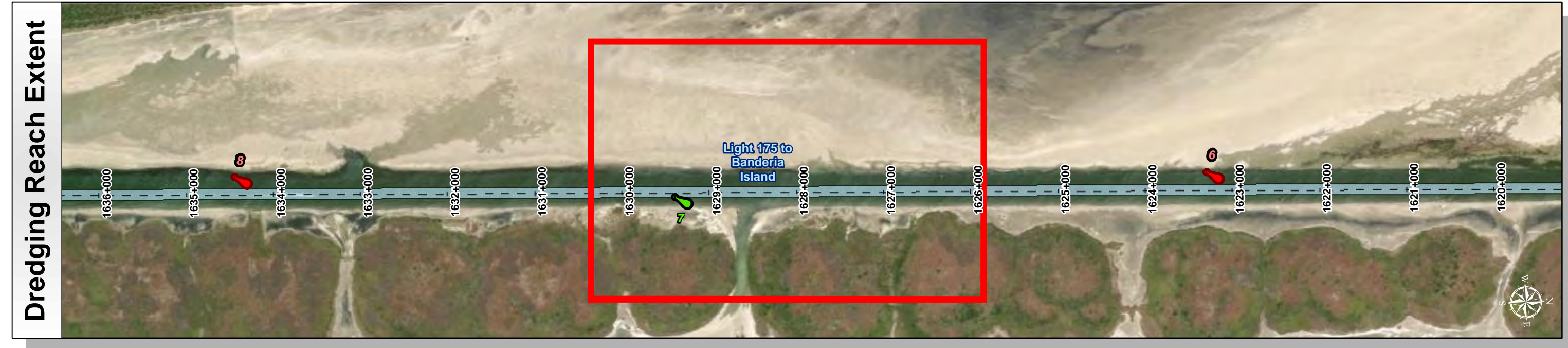
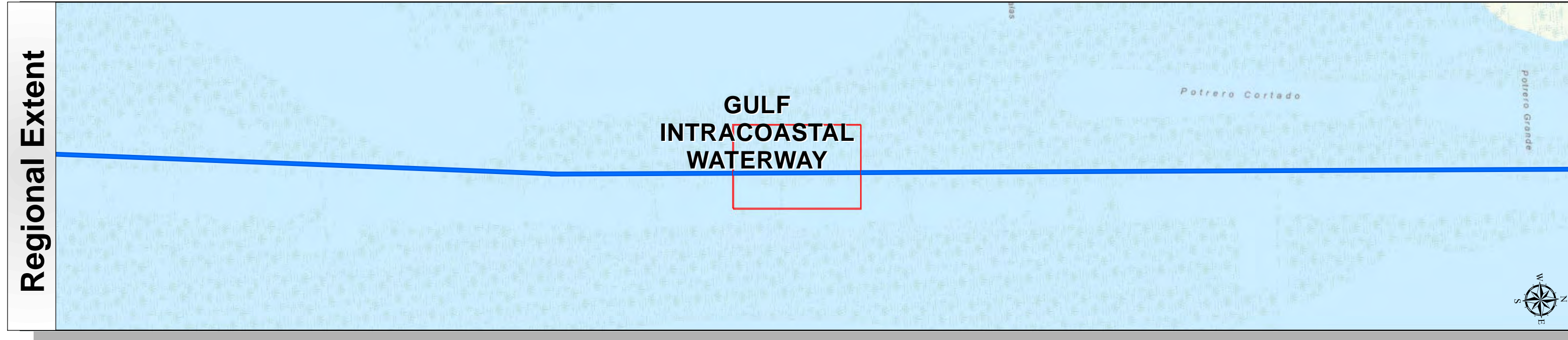
**HYDROGRAPHIC SURVEY**  
 U.S. ARMY ENGINEER DISTRICT  
 CORPS OF ENGINEERS  
 GALVESTON, TEXAS

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

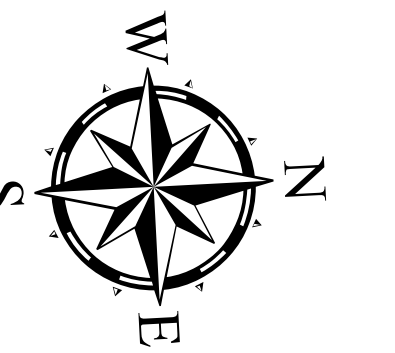
# Gulf Intracoastal Waterway: Light 175 to Banderia Island



U.S. Army Corps of Engineers  
Galveston District



Latest Survey Collection Date: 27 April 2022	Authorized Depth: -13ft.
Document Page: 8 of 19	Side Slope Ratio: (Rise : Run)
Scale: 1:2,000	PDF Print Date: 4/29/2022
Mapped by: m3odnmhg	
Additional Imagery info:	



**Channel Features**

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

**Aids to Navigation**

- Green Side Aids
- Red Side Aids
- Lights

**MLLW**

**NOTES:**

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- Elevations are referenced to mean lower low tide (MLLW) datum.
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- For the most up to date information please check our website at: <http://www.usace.army.mil/Missions/Navigation/HydrographicSurveys/>

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community  
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community  
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Additional Combined Survey Dates and Stationing:  
COMB\_SURV\_INFO\_HERE

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet  
Projection: Lambert Conformal Conic /Datum: North American 1983

**Dredging Reach Extent**

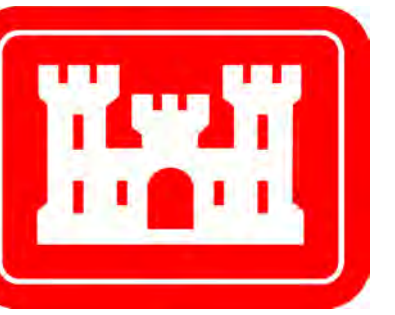
**Hydrographic Survey Extent**

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

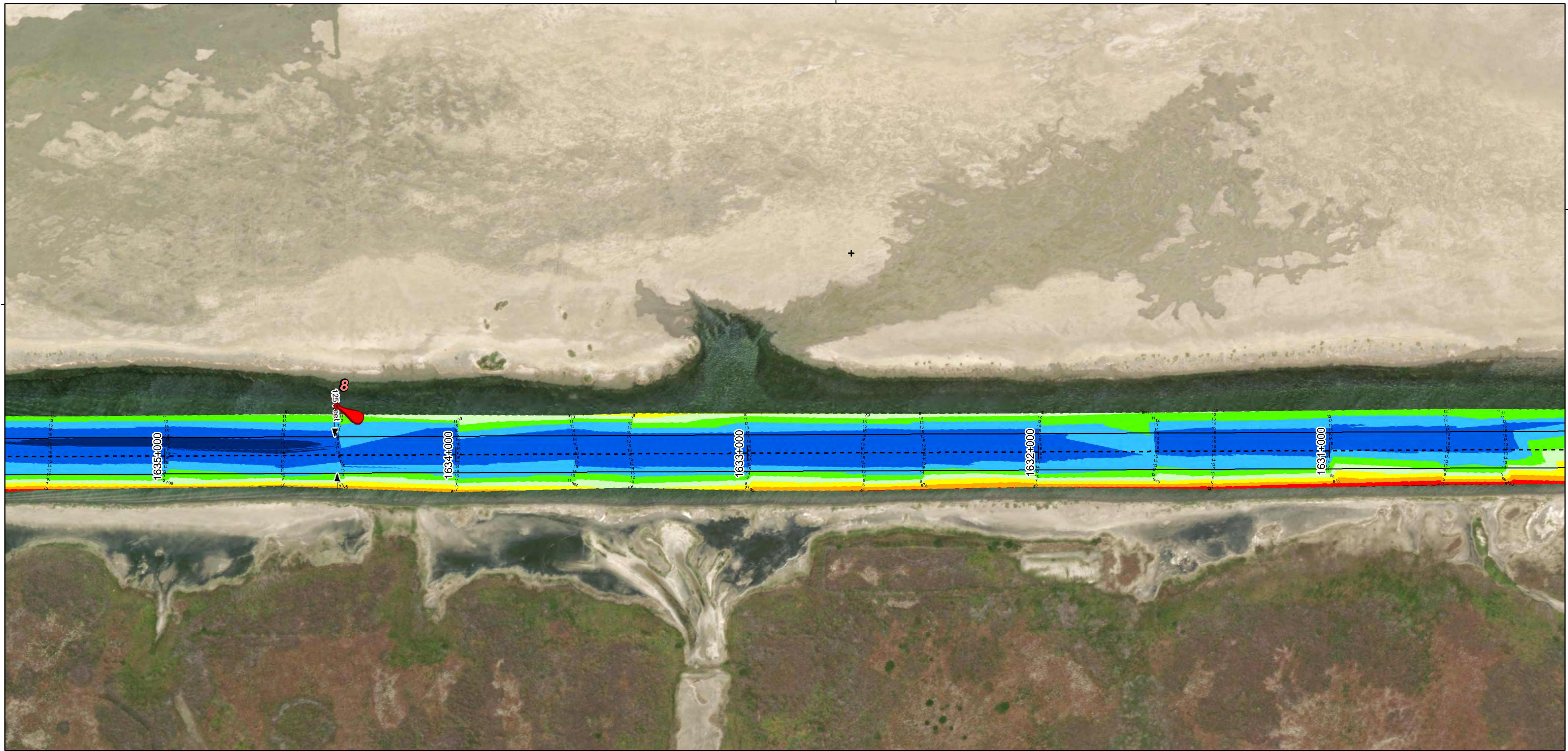
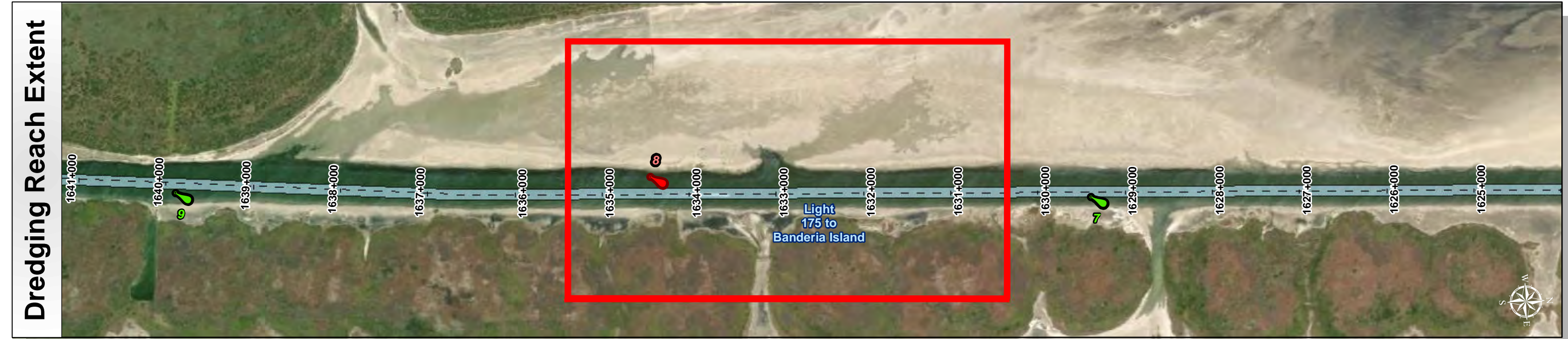
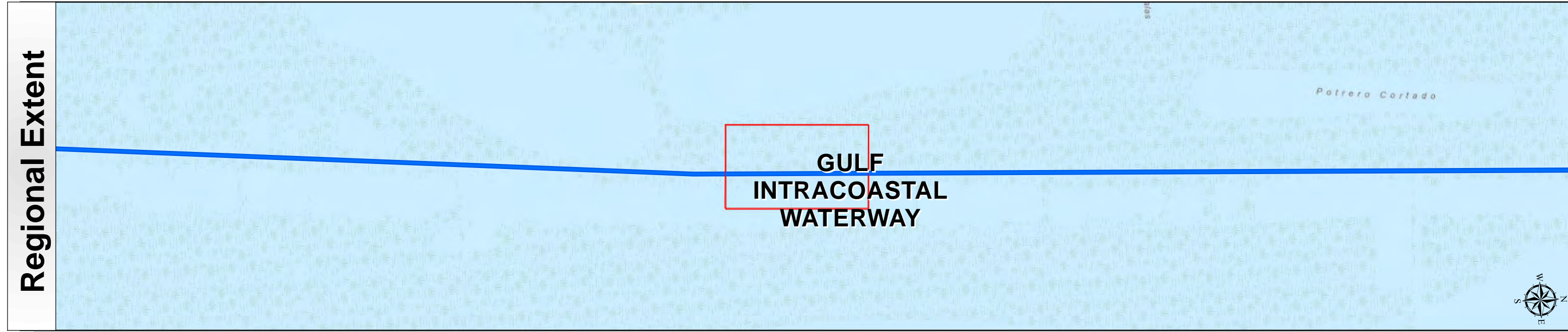
**Station: 1591+500 to 1679+500**  
**GULF INTRACOASTAL WATERWAY**  
Light 175 to Banderia Island



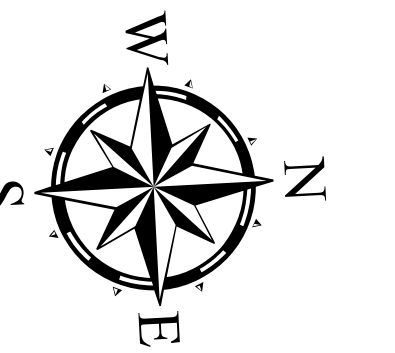
# Gulf Intracoastal Waterway: Light 175 to Banderia Island



U.S. Army Corps of Engineers  
Galveston District



Latest Survey Collection Date: 27 April 2022	Authorized Depth: -13ft.
Document Page: 9 of 19	Side Slope Ratio: (Rise : Run)
Scale: 1:2,000	PDF Print Date: 4/29/2022
Mapped by: m3odnmhg	
Additional Imagery info:	



**Channel Features**

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

**Aids to Navigation**

- Green Side Aids
- Red Side Aids
- Lights

**MLLW**

**NOTES:**

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- Elevations are referenced to mean lower low tide (MLLW) datum.
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Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community  
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Additional Combined Survey Dates and Stationing:  
COMB\_SURV\_INFO\_HERE

**Dredging Reach Extent**

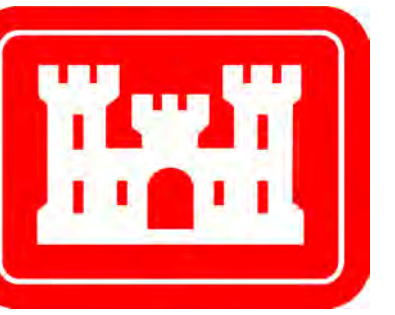
**Hydrographic Survey Extent**

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet  
Projection: Lambert Conformal Conic /Datum: North American 1983

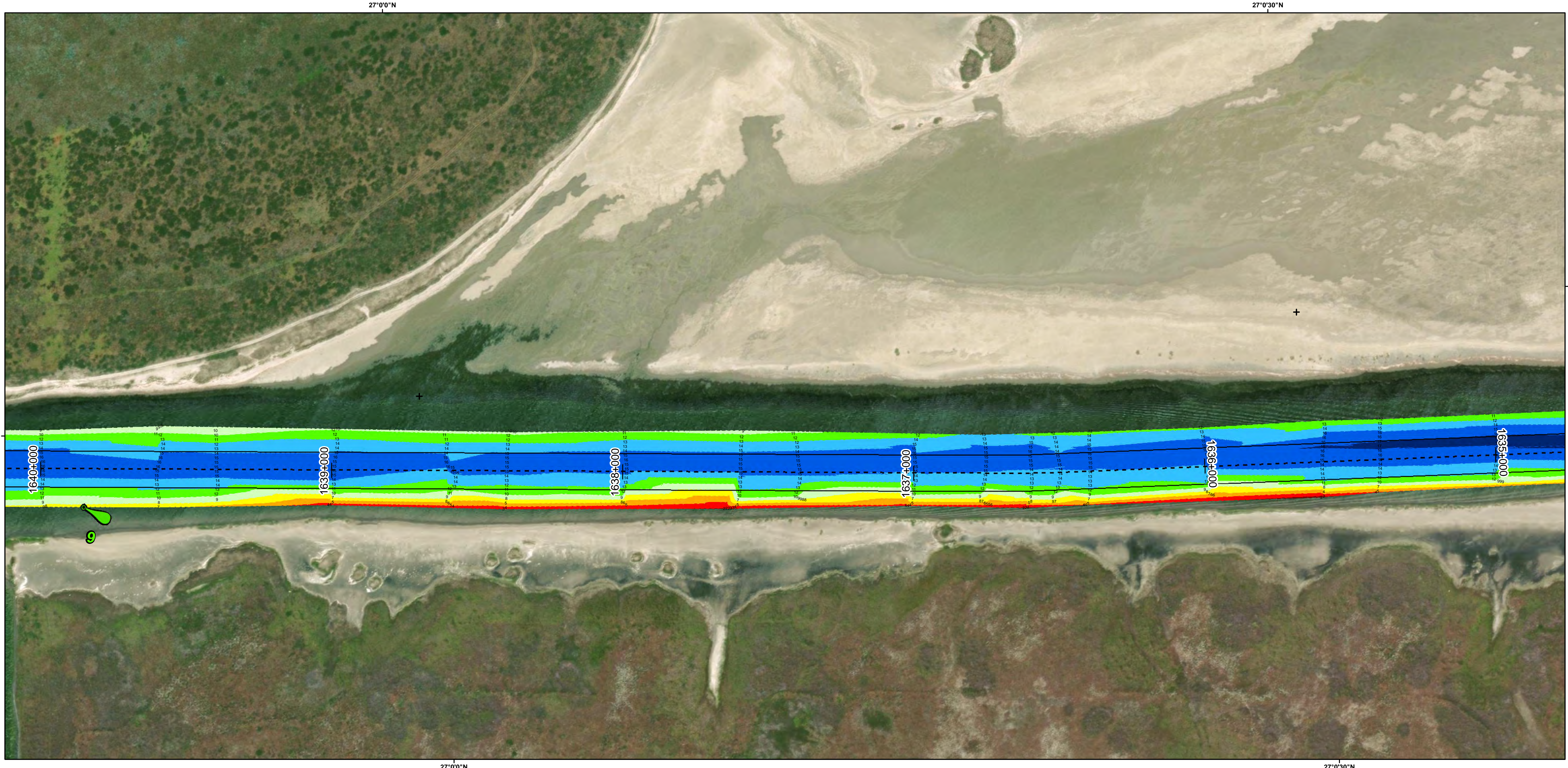
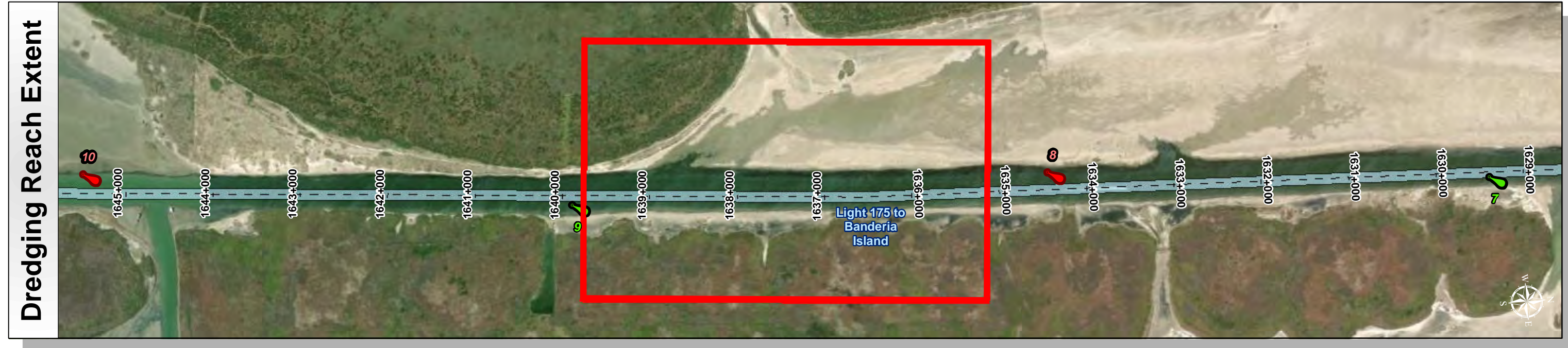
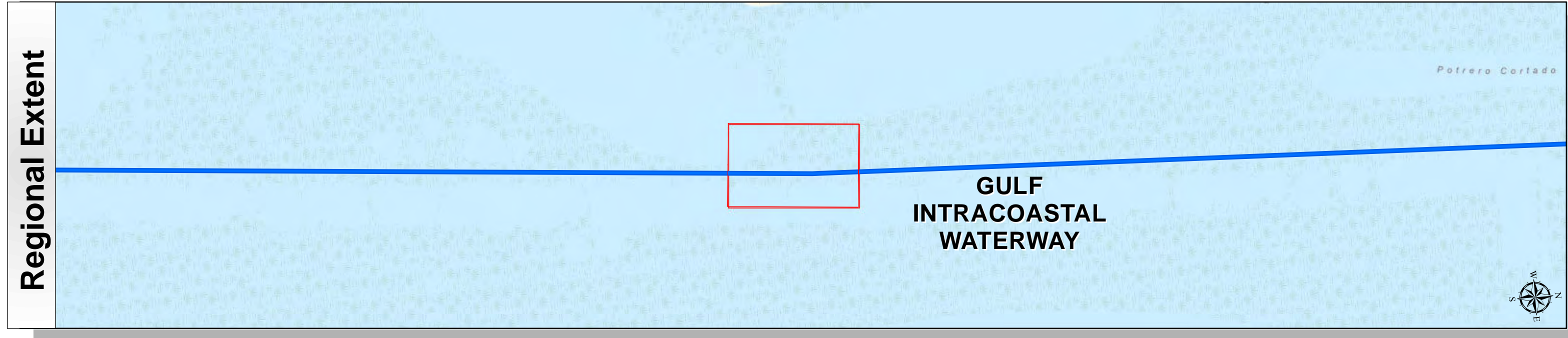
**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

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

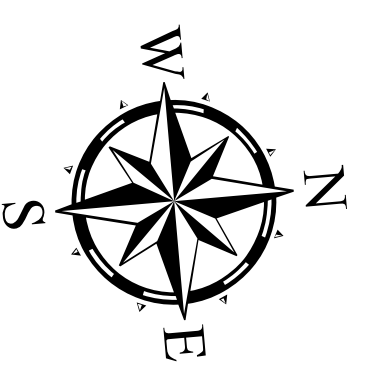
# Gulf Intracoastal Waterway: Light 175 to Banderia Island



U.S. Army Corps of Engineers  
Galveston District



Latest Survey Collection Date: 27 April 2022	Authorized Depth: -13ft.
Document Page: 10 of 19	Side Slope Ratio: (Rise : Run)
Scale: 1:2,000	PDF Print Date: 4/29/2022
Mapped by: m3odnmh	
Additional Imagery info:	



**Channel Features**

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

**Aids to Navigation**

- Green Side Aids
- Red Side Aids
- Lights

**MLLW**

**NOTES:**

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Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community  
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Additional Combined Survey Dates and Stationing:  
COMB\_SURV\_INFO\_HERE

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet  
Projection: Lambert Conformal Conic /Datum: North American 1983

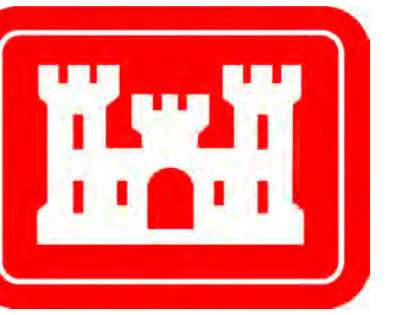
**Dredging Reach Extent**

**Hydrographic Survey Extent**

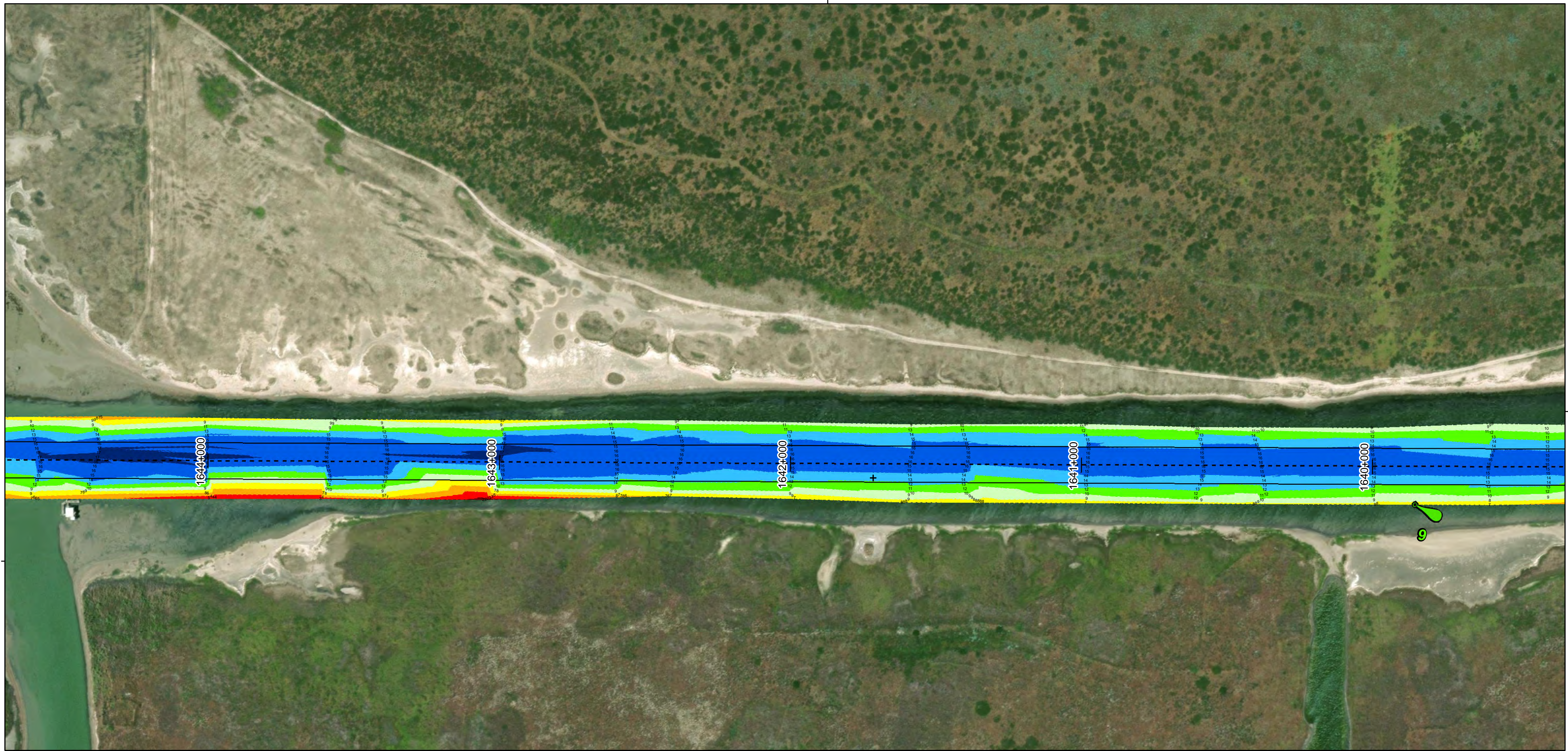
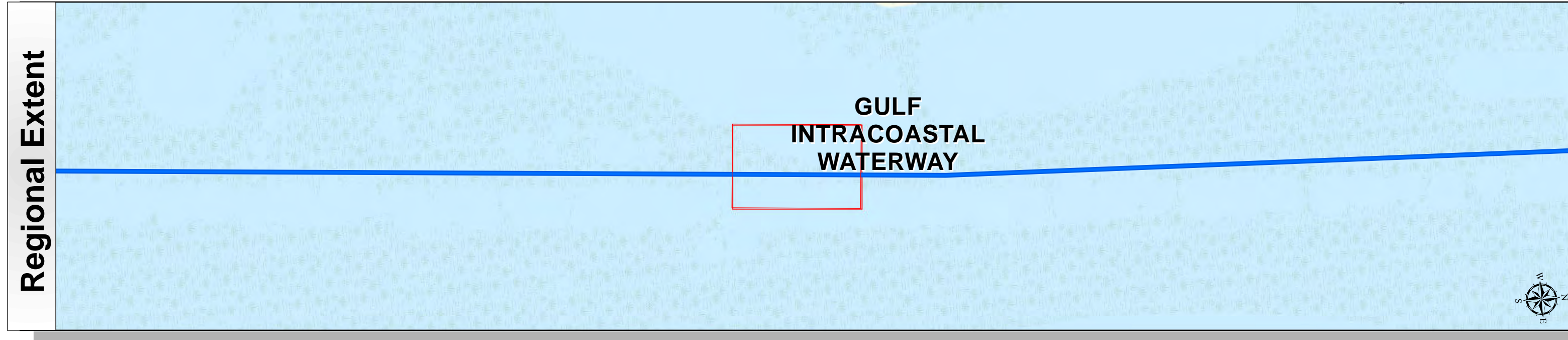
**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

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

# Gulf Intracoastal Waterway: Light 175 to Banderia Island



U.S. Army Corps of Engineers  
Galveston District



**Channel Features**

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

**Aids to Navigation**

- Green Side Aids
- Red Side Aids
- Lights

**MLLW**

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

**NOTES:**

1. Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
2. Elevations are referenced to mean lower low tide (MLLW) datum.
3. This project was designed by the Galveston District of the U.S. Army Corps of Engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by 47 CFR 110.41-112.
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.
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: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community  
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community  
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Additional Combined Survey Dates and Stationing:  
COMB\_SURV\_INFO\_HERE

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet  
Projection: Lambert Conformal Conic / Datum: North American 1983

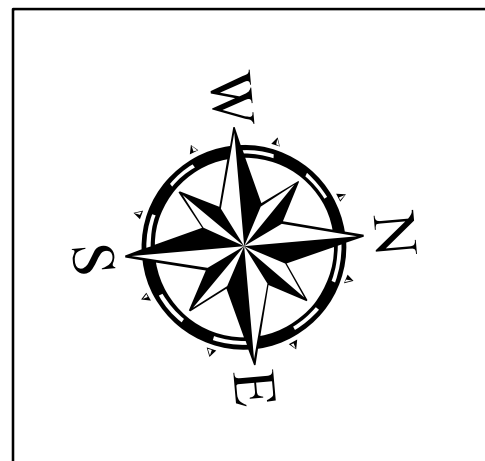
**Dredging Reach Extent**

0 0.2 0.4 0.8 Miles

**Hydrographic Survey Extent**

0 175 350 700 Feet

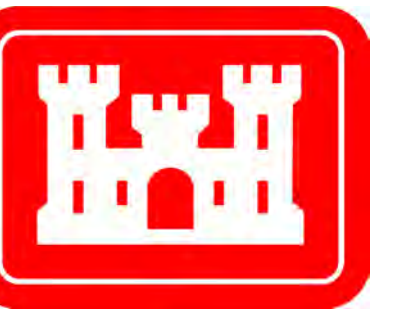
Latest Survey Collection Date: 27 April 2022	Authorized Depth: -13ft.
Document Page: 11 of 19	Side Slope Ratio: (Rise : Run)
Scale: 1:2,000	PDF Print Date: 4/29/2022
Mapped by: m3odnmhg	
Additional Imagery info:	



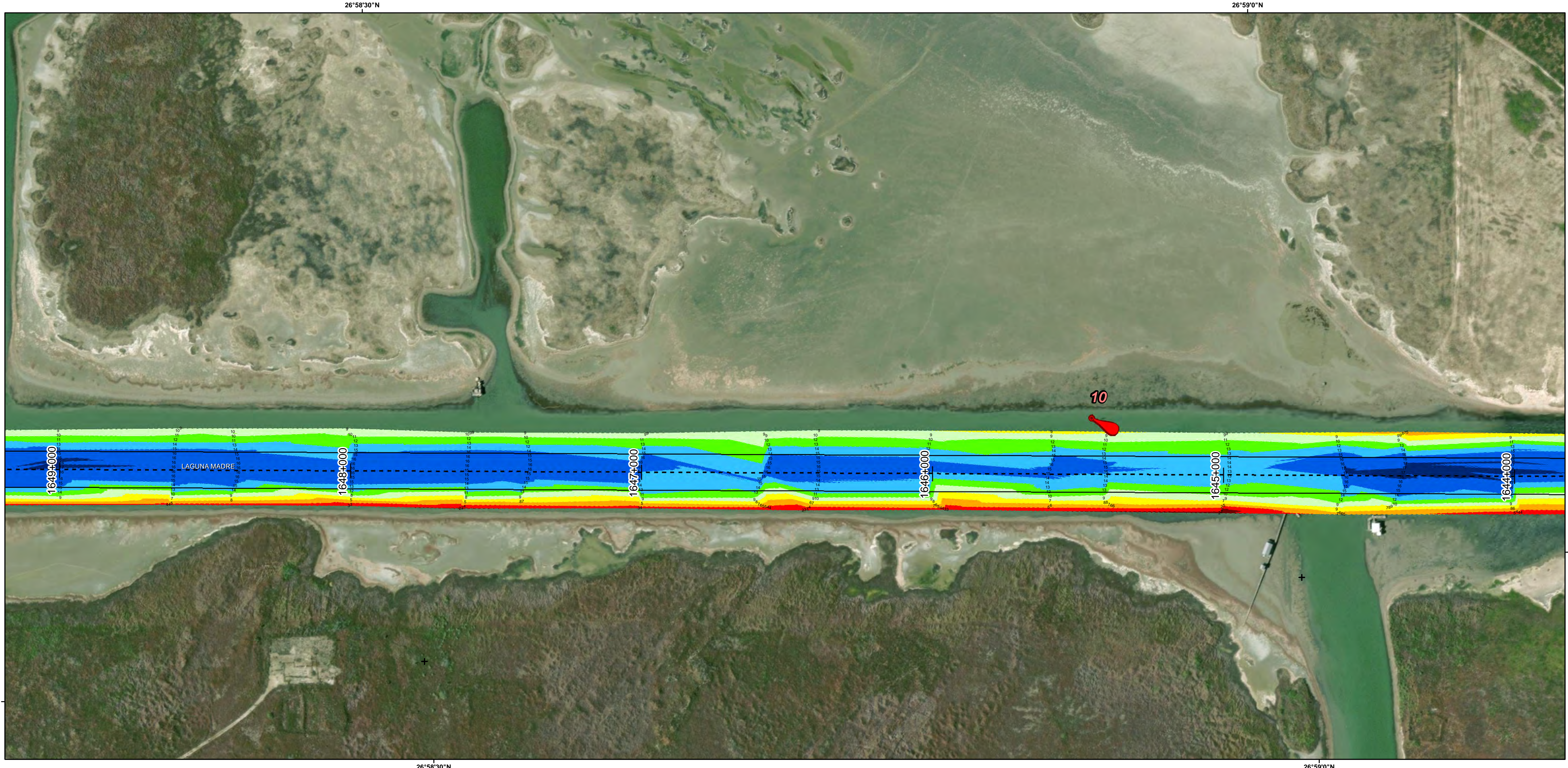
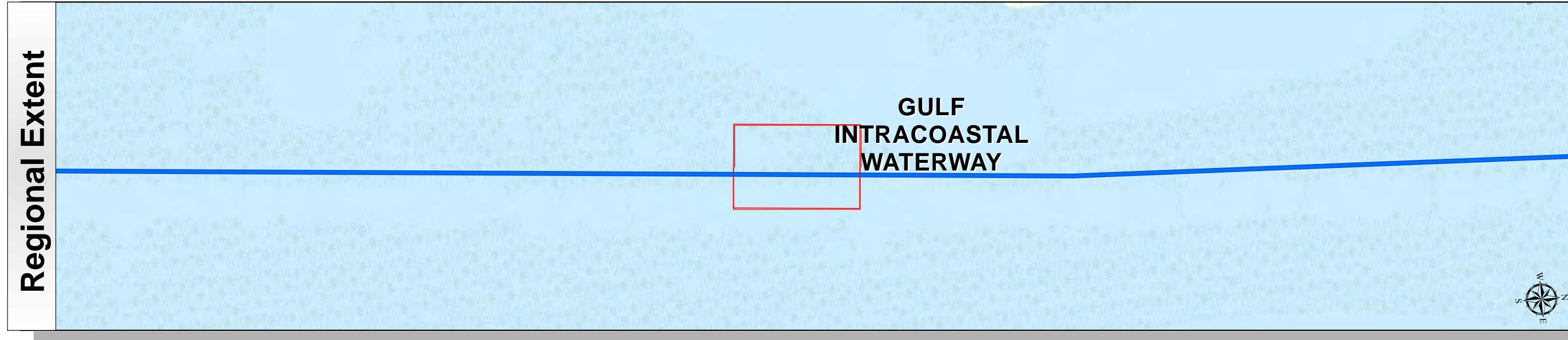
**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

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

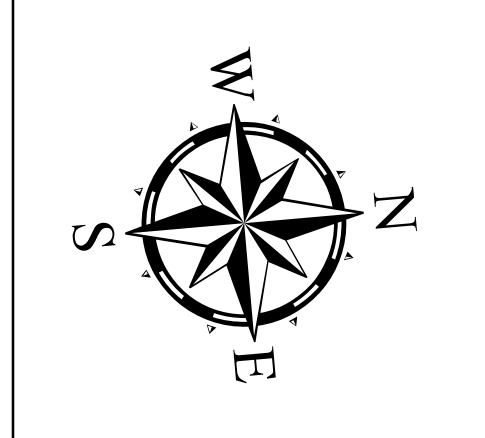
# Gulf Intracoastal Waterway: Light 175 to Banderia Island



U.S. Army Corps of Engineers  
Galveston District



Latest Survey Collection Date: 27 April 2022	Authorized Depth: -13ft.
Document Page: 12 of 19	Side Slope Ratio: (Rise : Run)
Website Index Number: 262	PDF Print Date: 4/29/2022
Scale: 1:2,000	
Mapped by: m3odnmhg	
Additional Imagery info:	



**Channel Features**

- Channel Toe
- Channel Center Line
- 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:**

- Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
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Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community  
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community  
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Additional Combined Survey Dates and Stationing:  
COMB\_SURV\_INFO\_HERE

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet  
Projection: Lambert Conformal Conic /Datum: North American 1983

**Dredging Reach Extent**

0 0.2 0.4 0.8 Miles

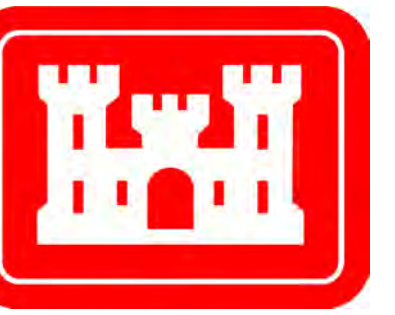
**Hydrographic Survey Extent**

0 175 350 700 Feet

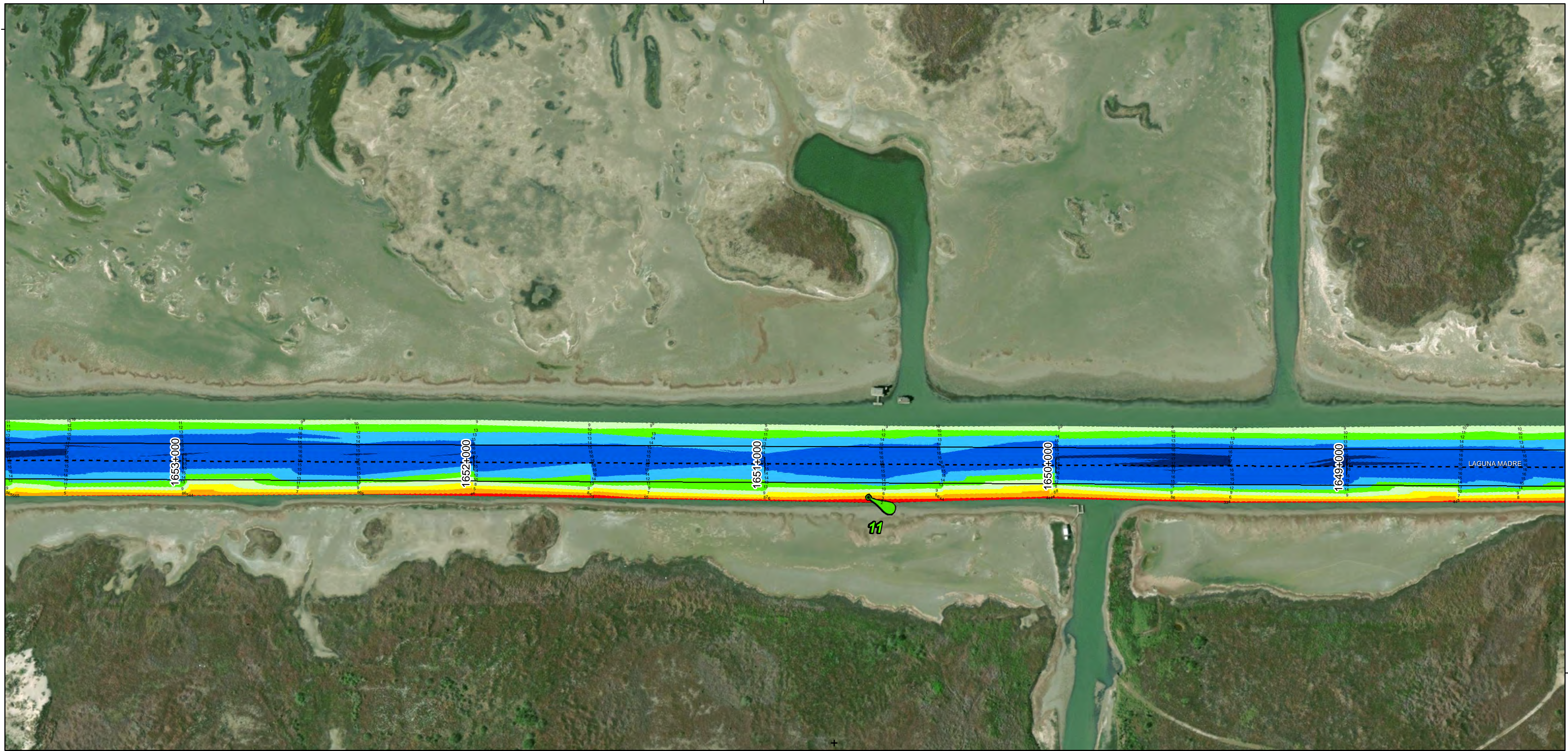
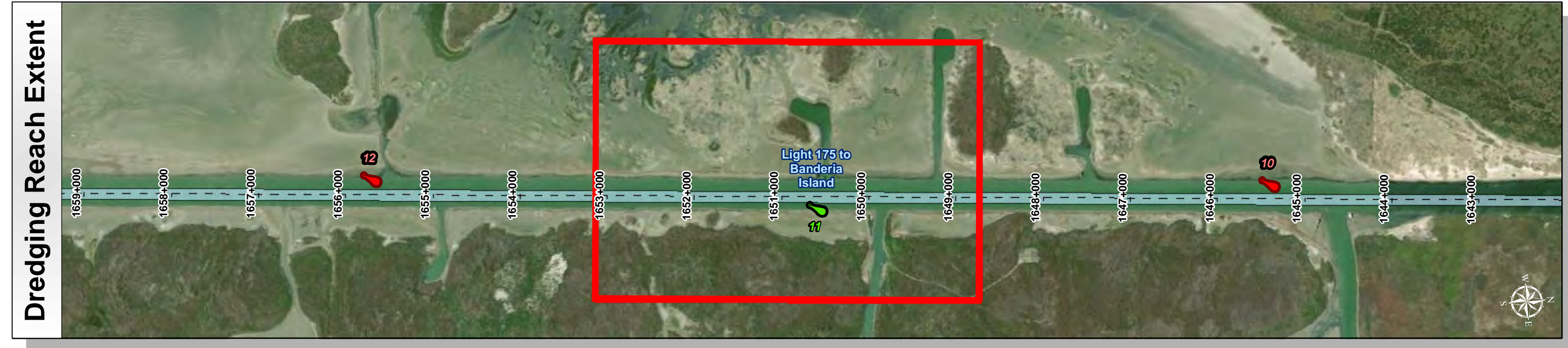
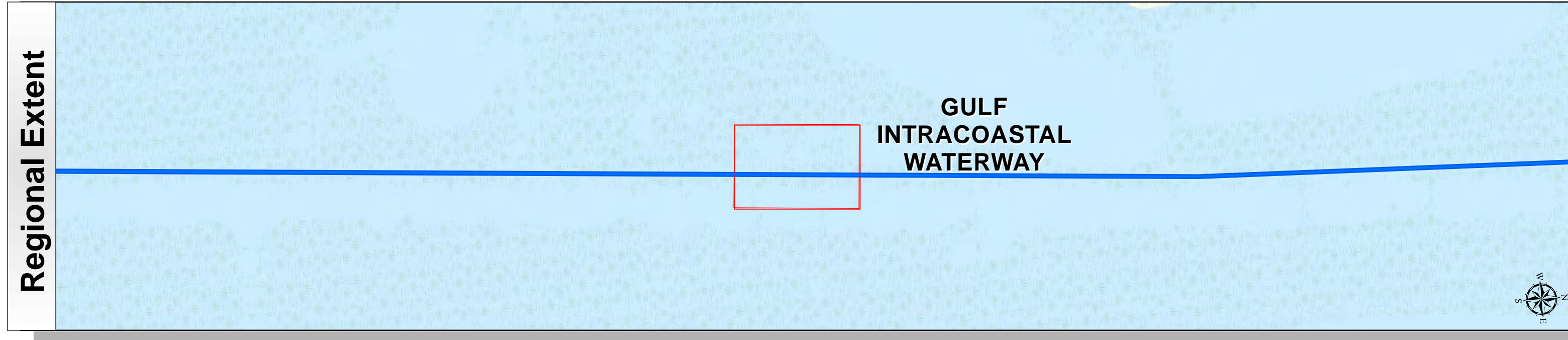
**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

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

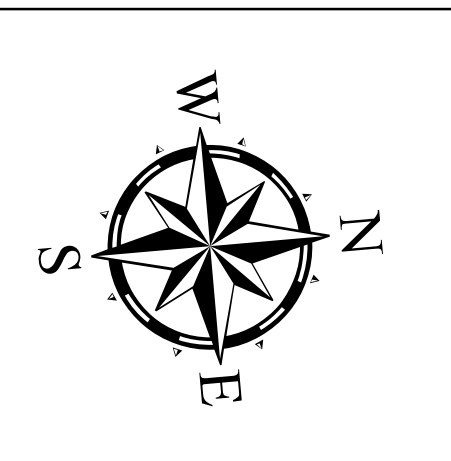
# Gulf Intracoastal Waterway: Light 175 to Banderia Island



U.S. Army Corps of Engineers  
Galveston District



Latest Survey Collection Date: 27 April 2022	Authorized Depth: -13ft.
Document Page: 13 of 19	Side Slope Ratio: (Rise : Run)
Website Index Number: 263	PDF Print Date: 4/29/2022
Scale: 1:2,000	
Mapped by: m3odnmhg	
Additional Imagery info:	



**Channel Features**

- Channel Toe
- Channel Center Line
- 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

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Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community  
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Additional Combined Survey Dates and Stationing:  
COMB\_SURV\_INFO\_HERE

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet  
Projection: Lambert Conformal Conic /Datum: North American 1983

**Dredging Reach Extent**

0 0.2 0.4 0.8 Miles

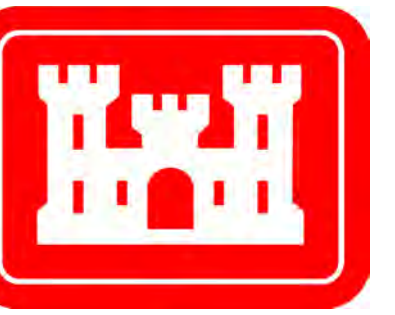
**Hydrographic Survey Extent**

0 175 350 700 Feet

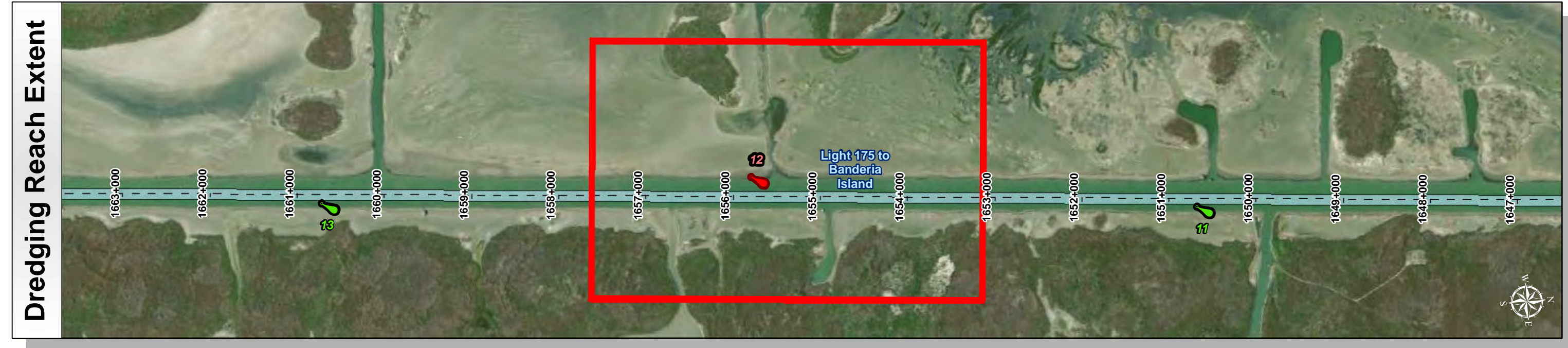
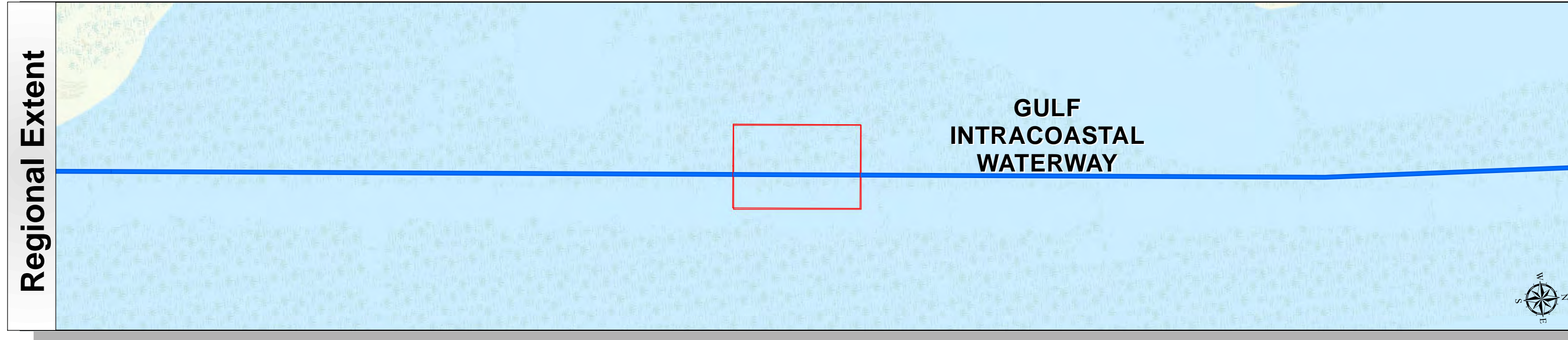
**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

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

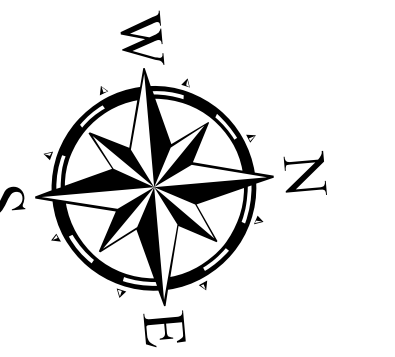
# Gulf Intracoastal Waterway: Light 175 to Banderia Island



U.S. Army Corps of Engineers  
Galveston District



Latest Survey Collection Date: 27 April 2022	Authorized Depth: -13ft.
Document Page: 14 of 19	Side Slope Ratio: (Rise : Run)
Website Index Number: 264	PDF Print Date: 4/29/2022
Scale: 1:2,000	
Mapped by: m3odnmhmg	
Additional Imagery info:	



**Channel Features**

- Channel Toe
- Channel Center Line
- 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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Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community  
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Additional Combined Survey Dates and Stationing:  
COMB\_SURV\_INFO\_HERE

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet  
Projection: Lambert Conformal Conic /Datum: North American 1983

**Dredging Reach Extent**

0 0.2 0.4 0.8 Miles

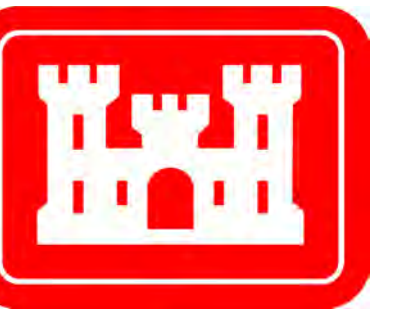
**Hydrographic Survey Extent**

0 175 350 700 Feet

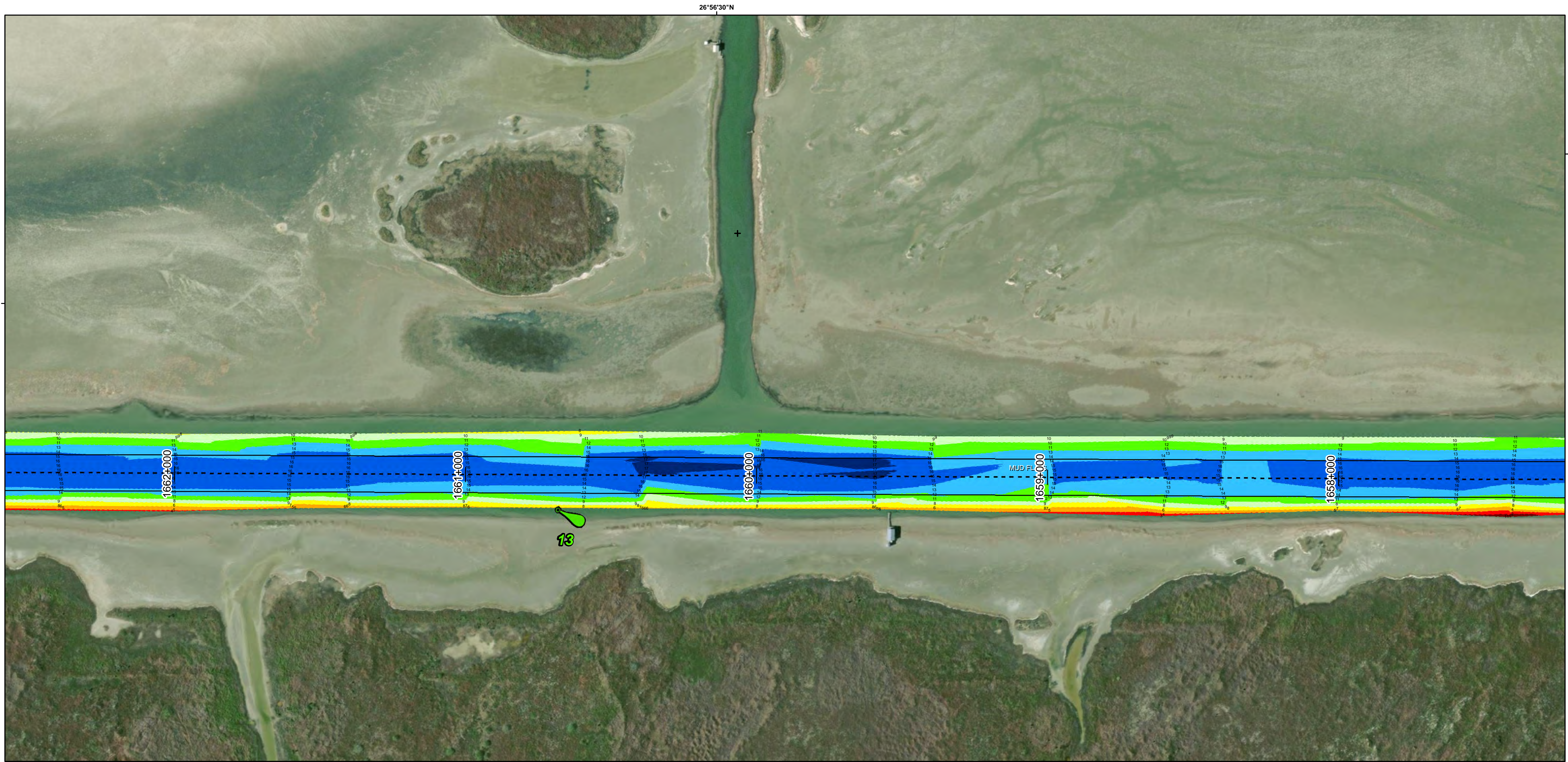
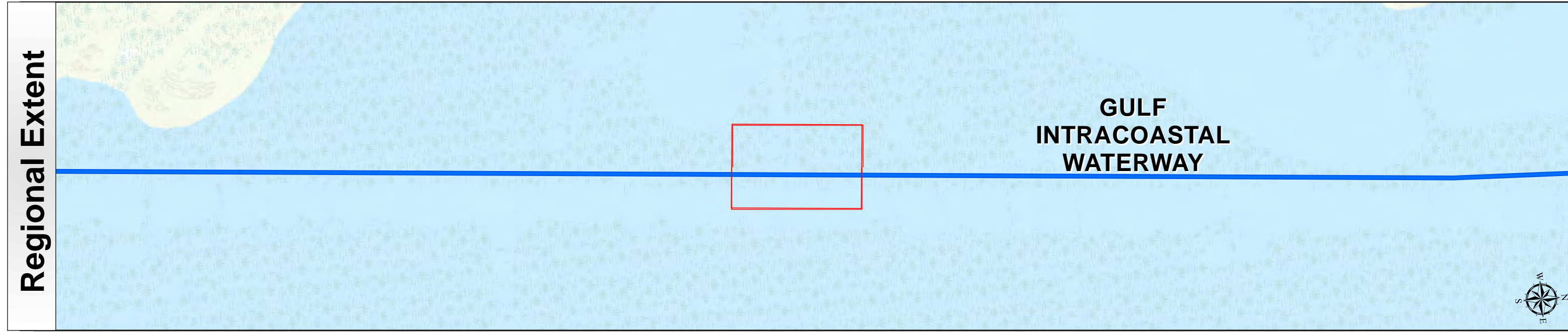
**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

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

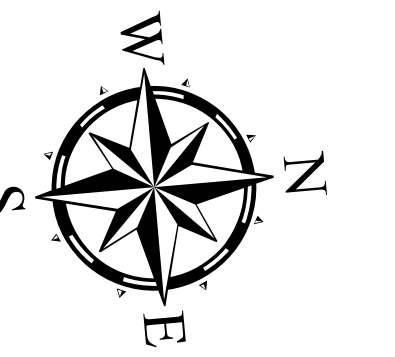
# Gulf Intracoastal Waterway: Light 175 to Bandería Island



U.S. Army Corps of Engineers  
Galveston District



Latest Survey Collection Date: 27 April 2022	Authorized Depth: -13ft.
Document Page: 15 of 19	Side Slope Ratio: (Rise : Run)
Scale: 1:2,000	PDF Print Date: 4/29/2022
Mapped by: m3odnmhg	
Additional Imagery info:	



**Channel Features**

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

**Aids to Navigation**

- Green Side Aids
- Red Side Aids
- Lights

**MLLW**

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

**NOTES:**

1. Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
2. Elevations are referenced to mean lower low tide (MLLW) datum.
3. This project was designed by the Galveston District of the U.S. Army Corps of Engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by 47CFR 117.1-8152.
4. The information depicted on this survey map represents the results of surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time. These conditions are subject to rapid change due to shoaling events. A prudent mariner should not rely exclusively on the information provided here. Required by 33 CFR 209.325.
5. For the most up to date information please check our website at: <http://www.svg.usace.army.mil/Missions/Navigation/HydrographicSurveys/>

Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community  
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community  
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Additional Combined Survey Dates and Stationing:  
COMB\_SURV\_INFO\_HERE

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet  
Projection: Lambert Conformal Conic /Datum: North American 1983

**Dredging Reach Extent**

0 0.2 0.4 0.8 Miles

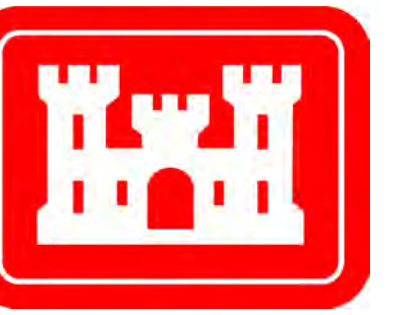
**Hydrographic Survey Extent**

0 175 350 700 Feet

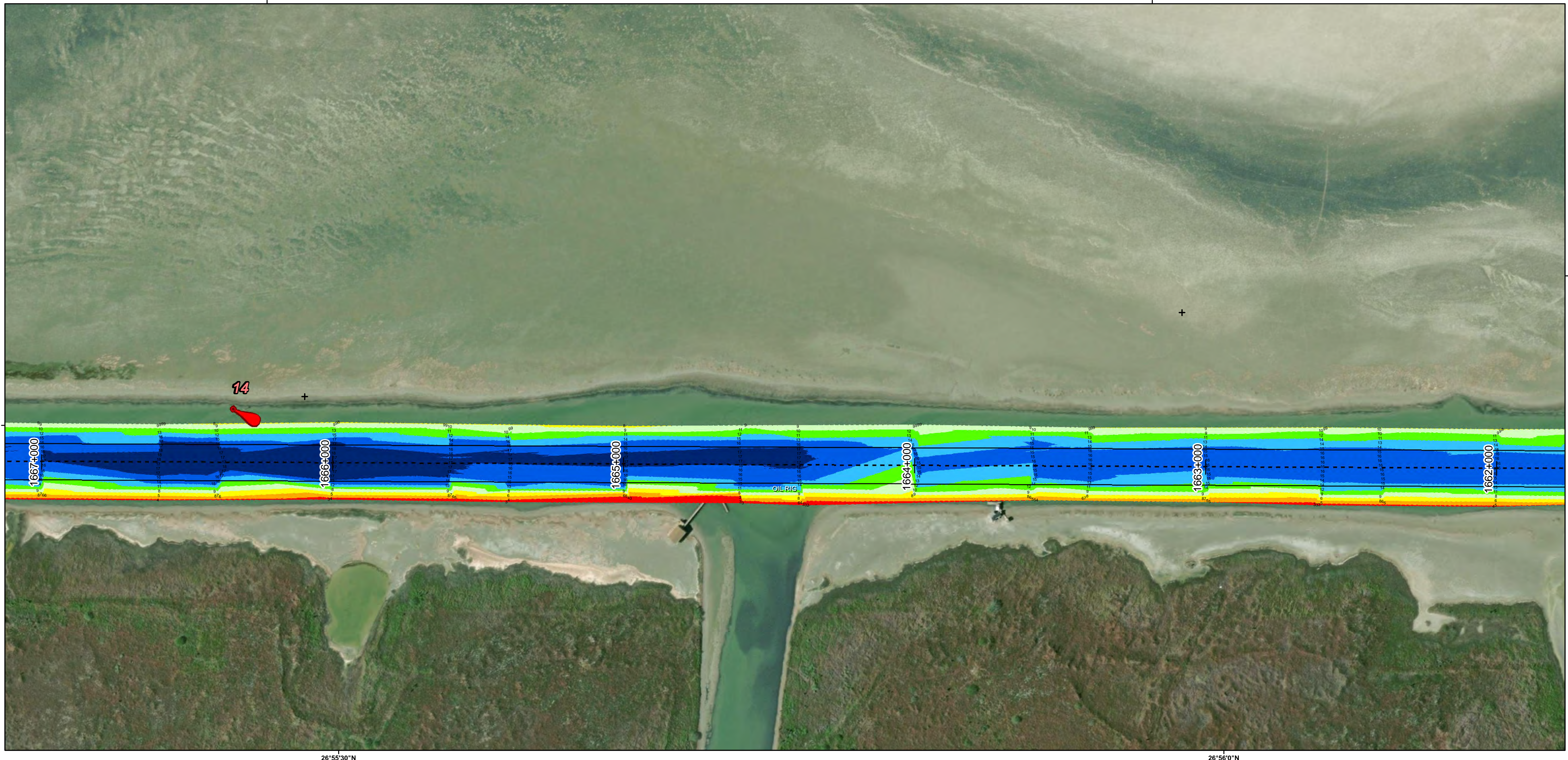
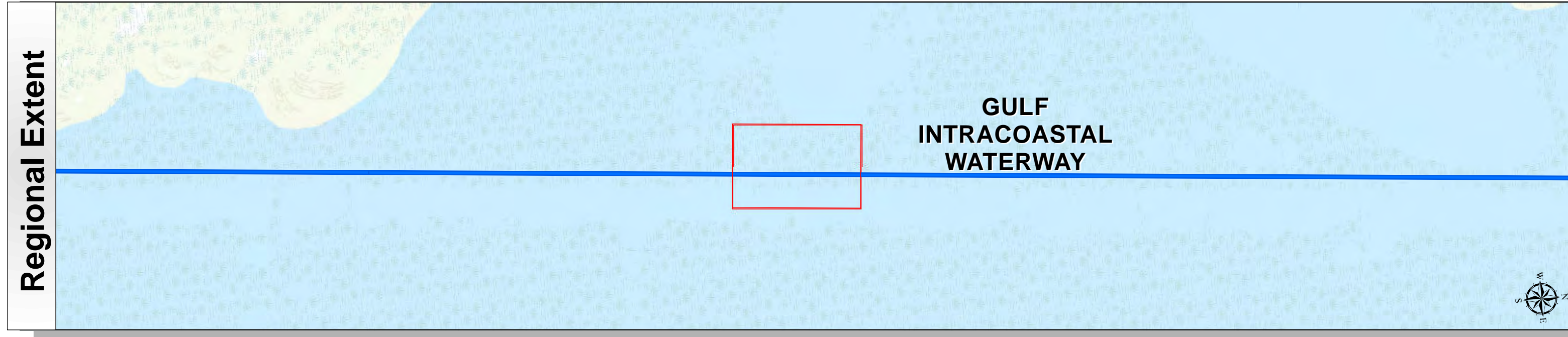
**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

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

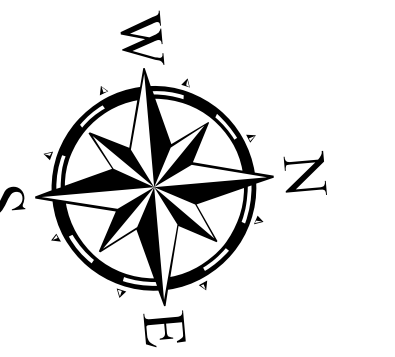
# Gulf Intracoastal Waterway: Light 175 to Banderia Island



U.S. Army Corps of Engineers  
Galveston District



Latest Survey Collection Date: 27 April 2022	Authorized Depth: -13ft.
Document Page: 16 of 19	Side Slope Ratio: (Rise : Run)
Scale: 1:2,000	PDF Print Date: 4/29/2022
Mapped by: m3odnmh	
Additional Imagery info:	



**Channel Features**

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

**Aids to Navigation**

- Green Side Aids
- Red Side Aids
- Lights

**MLLW**

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Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community  
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community  
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Additional Combined Survey Dates and Stationing:  
COMB\_SURV\_INFO\_HERE

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet  
Projection: Lambert Conformal Conic /Datum: North American 1983

**Dredging Reach Extent**

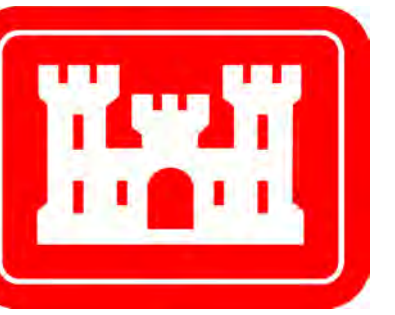
**Hydrographic Survey Extent**

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

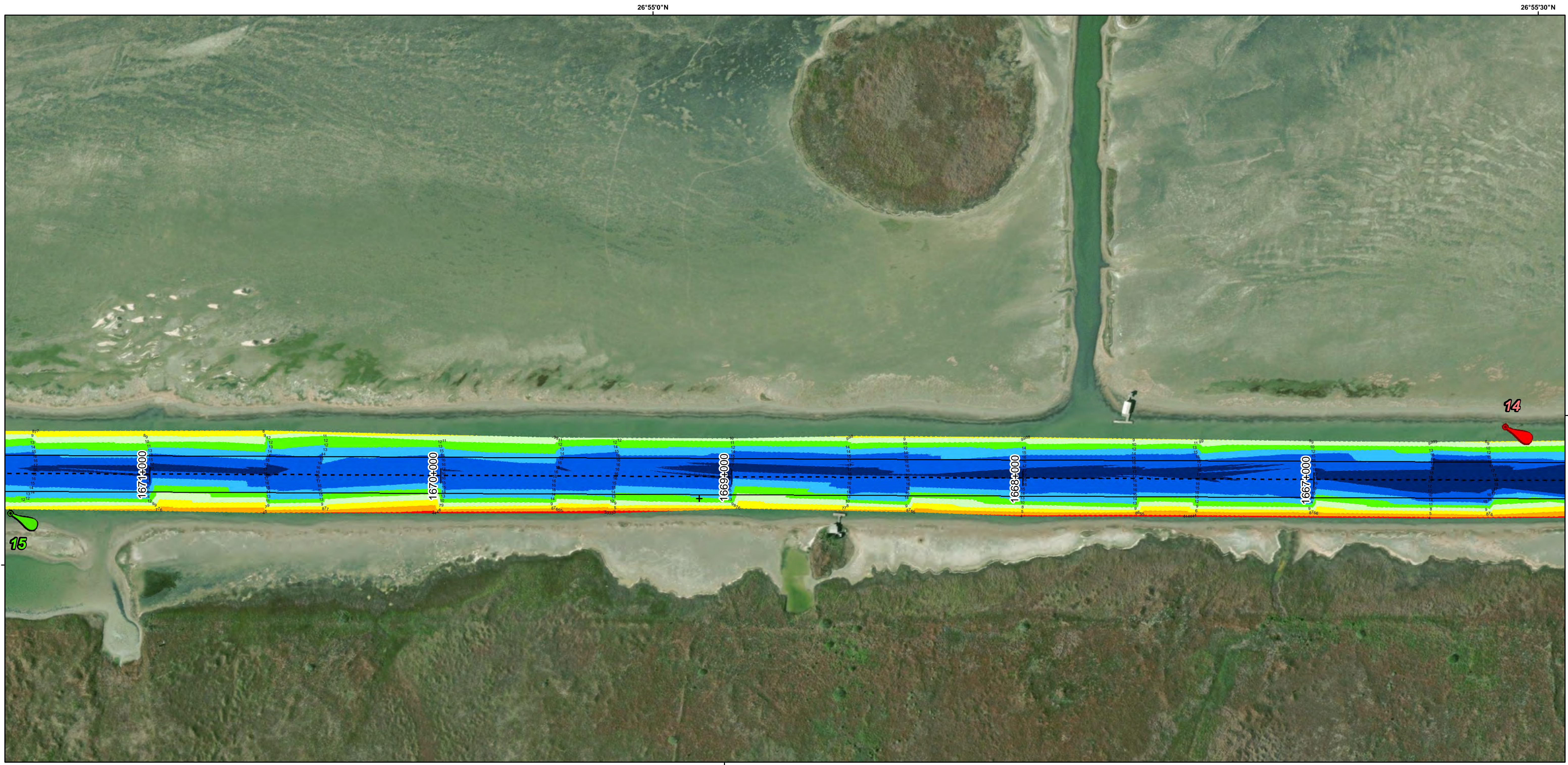
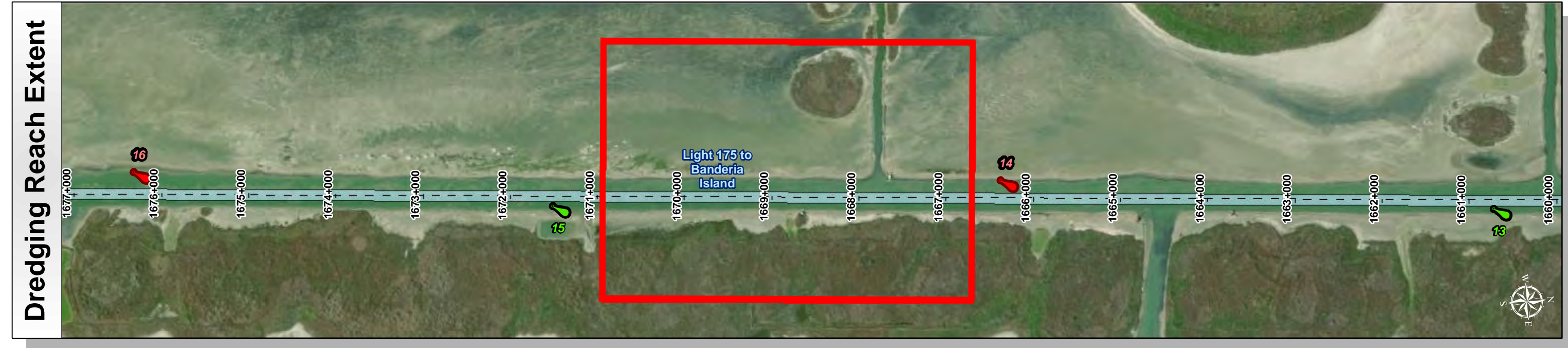
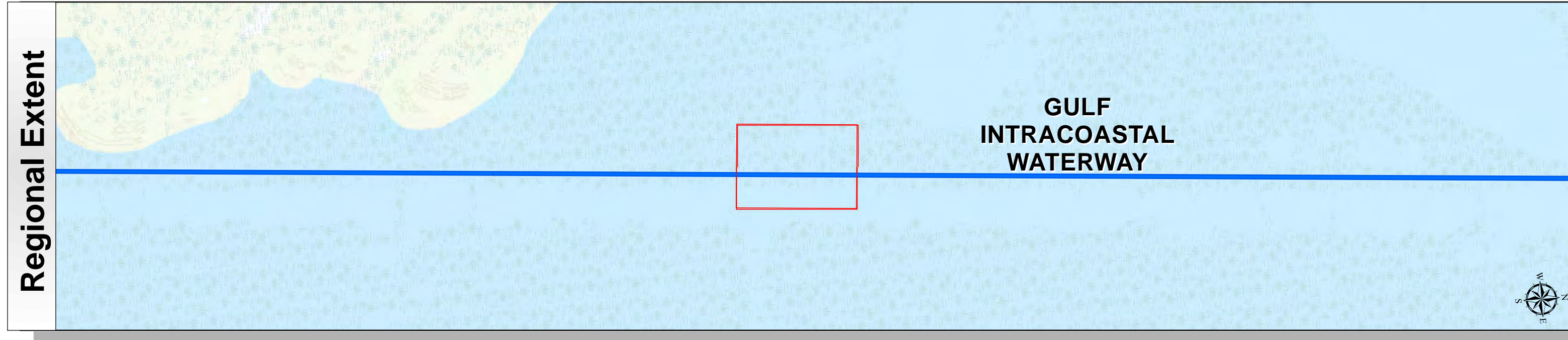
**Station: 1591+500 to 1679+500**  
**GULF INTRACOASTAL WATERWAY**  
Light 175 to Banderia Island



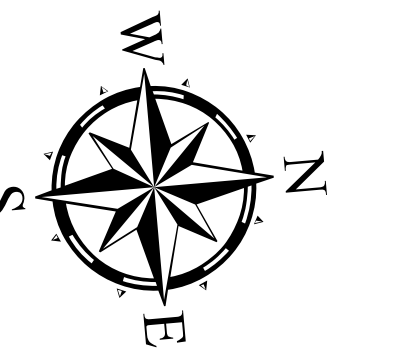
# Gulf Intracoastal Waterway: Light 175 to Banderia Island



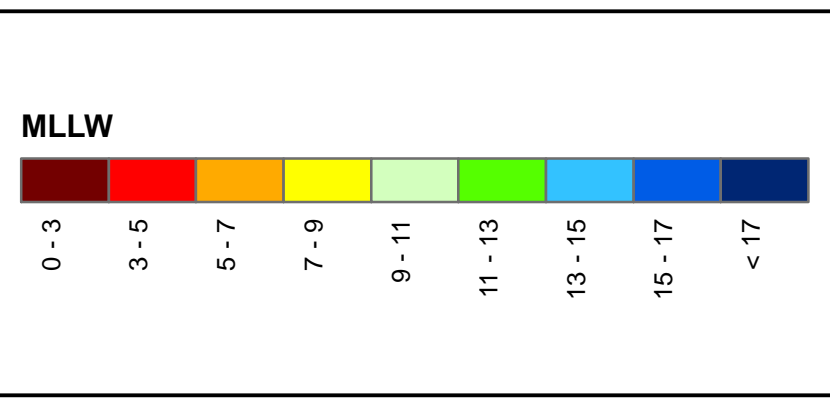
U.S. Army Corps of Engineers  
Galveston District



Latest Survey Collection Date: 27 April 2022	Authorized Depth: -13ft.
Document Page: 17 of 19	Side Slope Ratio: (Rise : Run)
Scale: 1:2,000	PDF Print Date: 4/29/2022
Mapped by: m3odnmhmg	
Additional Imagery info:	



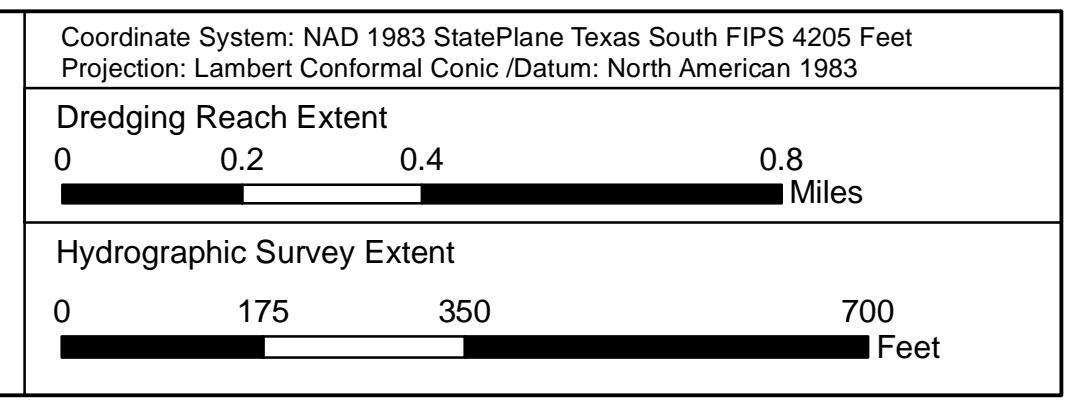
Channel Features	Aids to Navigation
Channel Toe	Green Side Aids
Channel Center Line	Red Side Aids
Channel Station Lines	Lights
Channel Dimensions	



NOTES:  
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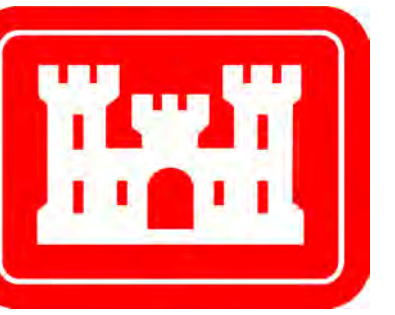
Service Layer Credits: Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community  
 Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community  
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Additional Combined Survey Dates and Stationing:  
 COMB\_SURV\_INFO\_HERE

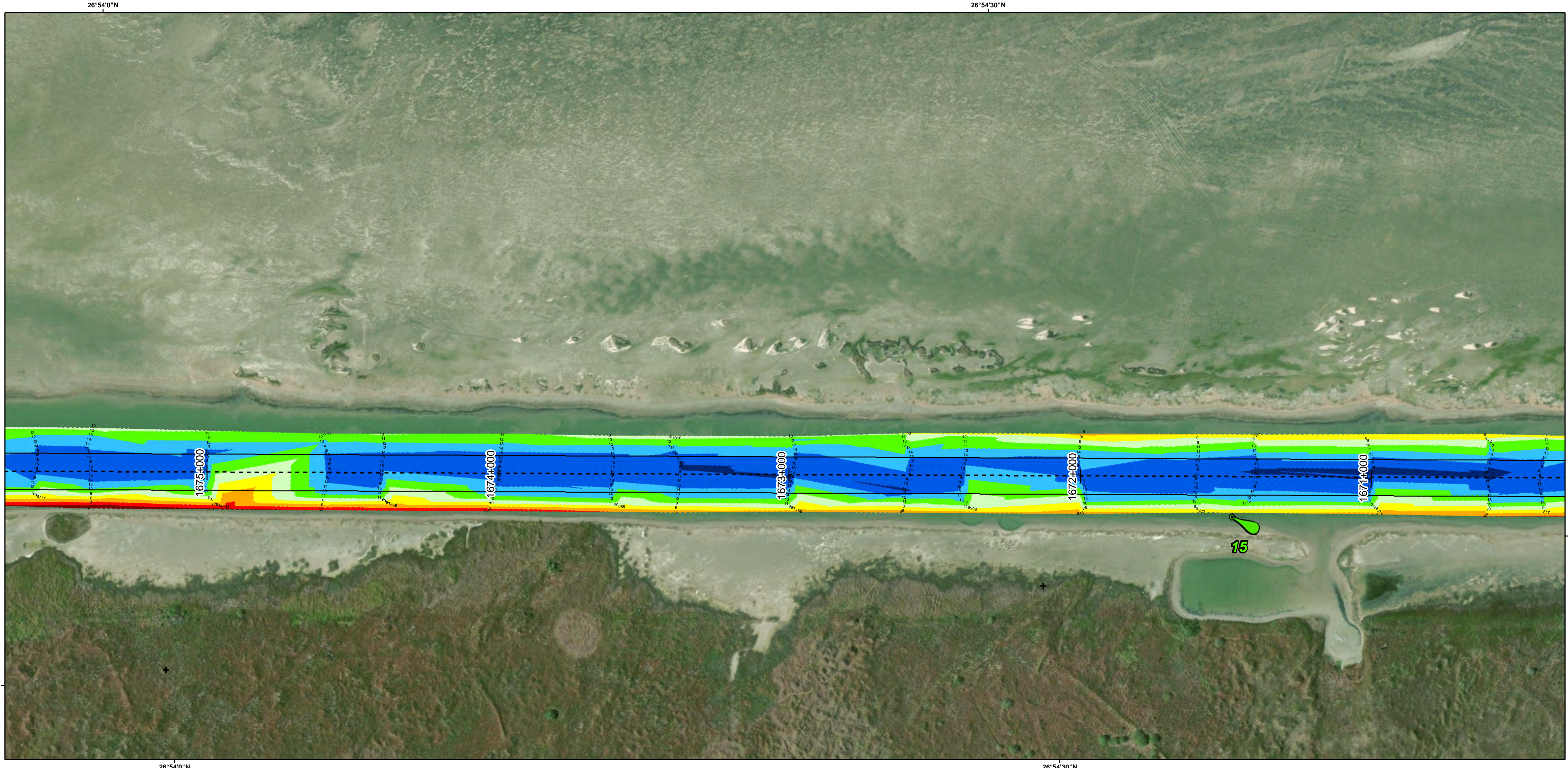
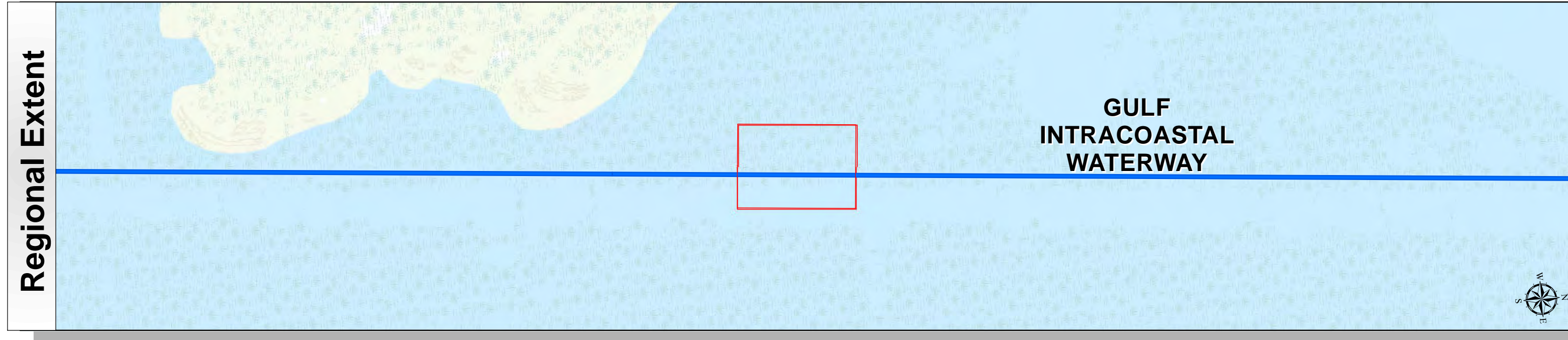


**HYDROGRAPHIC SURVEY**  
 U.S. ARMY ENGINEER DISTRICT  
 CORPS OF ENGINEERS  
 GALVESTON, TEXAS  
**Station: 1591+500 to 1679+500**  
**GULF INTRACOASTAL WATERWAY**  
 Light 175 to Banderia Island

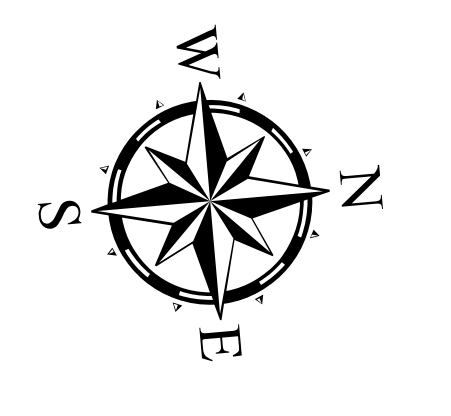
# Gulf Intracoastal Waterway: Light 175 to Banderia Island



U.S. Army Corps of Engineers  
Galveston District



Latest Survey Collection Date: 27 April 2022	Authorized Depth: -13ft.
Document Page: 18 of 19	Side Slope Ratio: (Rise : Run)
Website Index Number: 268	PDF Print Date: 4/29/2022
Scale: 1:2,000	
Mapped by: m3odnmhg	
Additional Imagery info:	



**Channel Features**

- Channel Toe
- Channel Center Line
- 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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Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community  
Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

Additional Combined Survey Dates and Stationing:  
COMB\_SURV\_INFO\_HERE

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet  
Projection: Lambert Conformal Conic / Datum: North American 1983

**Dredging Reach Extent**

0 0.2 0.4 0.8 Miles

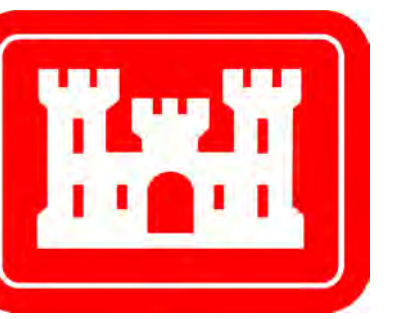
**Hydrographic Survey Extent**

0 175 350 700 Feet

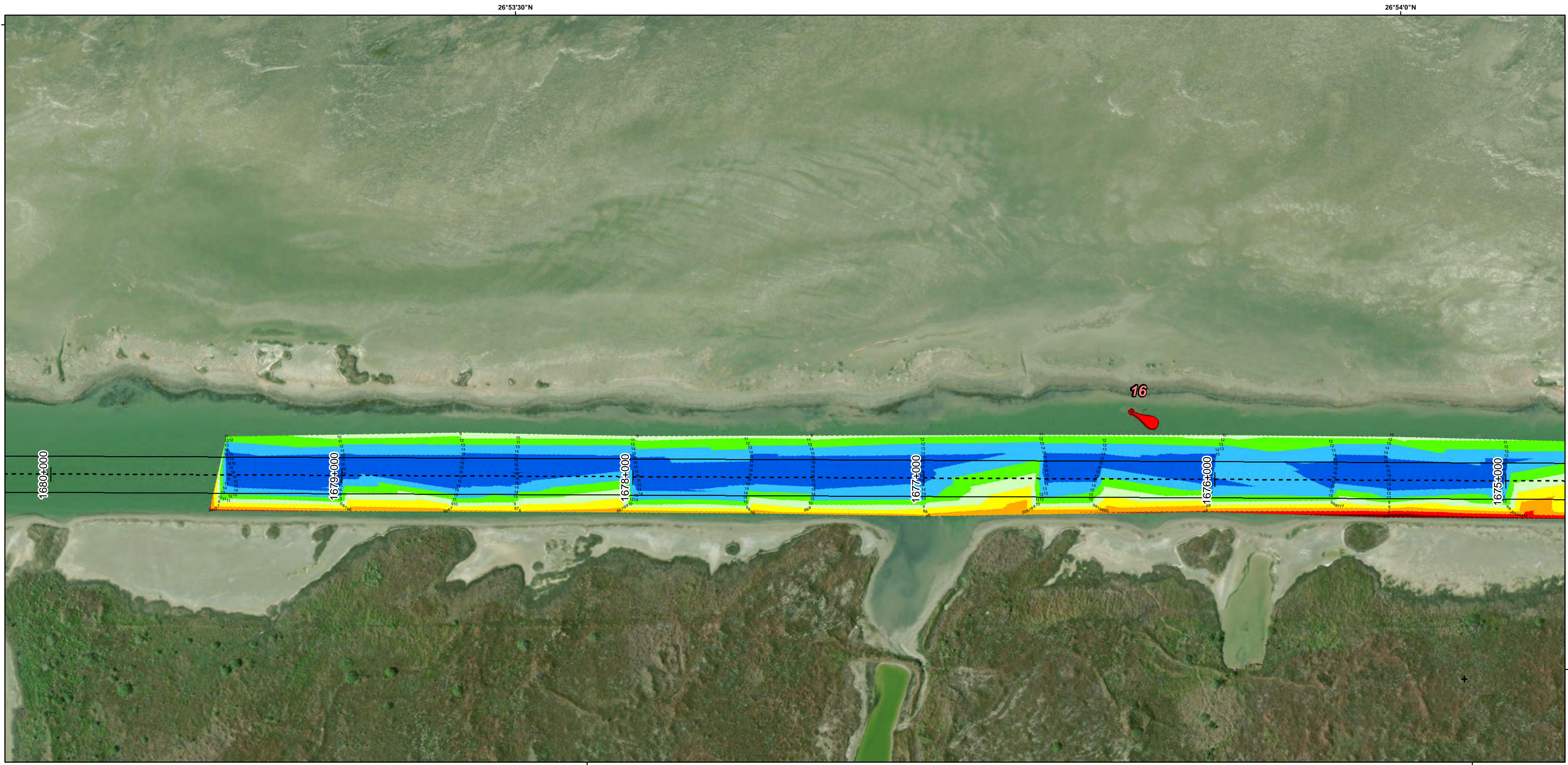
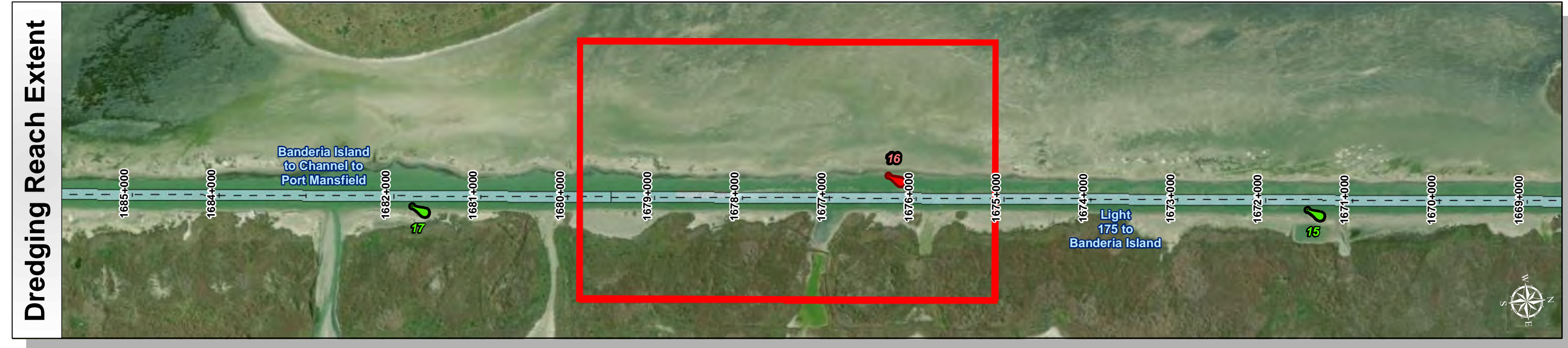
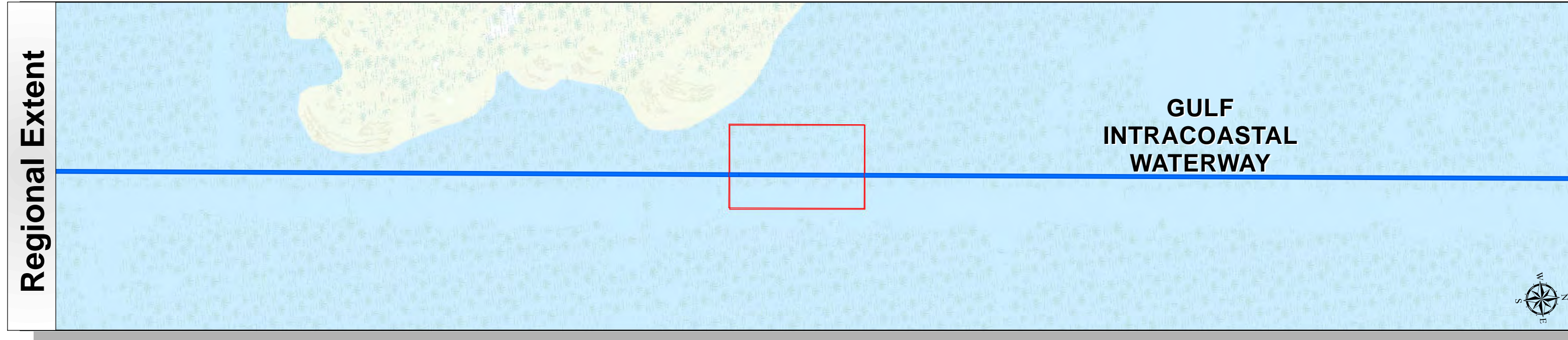
**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

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

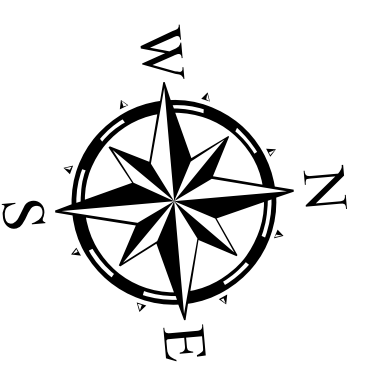
# Gulf Intracoastal Waterway: Light 175 to Banderia Island



U.S. Army Corps of Engineers  
Galveston District



Latest Survey Collection Date: 27 April 2022	Authorized Depth: -13ft.
Document Page: 19 of 19	Side Slope Ratio: (Rise : Run)
Scale: 1:2,000	PDF Print Date: 4/29/2022
Mapped by: m3odnmhg	
Additional Imagery info:	



**Channel Features**

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

**Aids to Navigation**

- Green Side Aids
- Red Side Aids
- Lights

**MLLW**

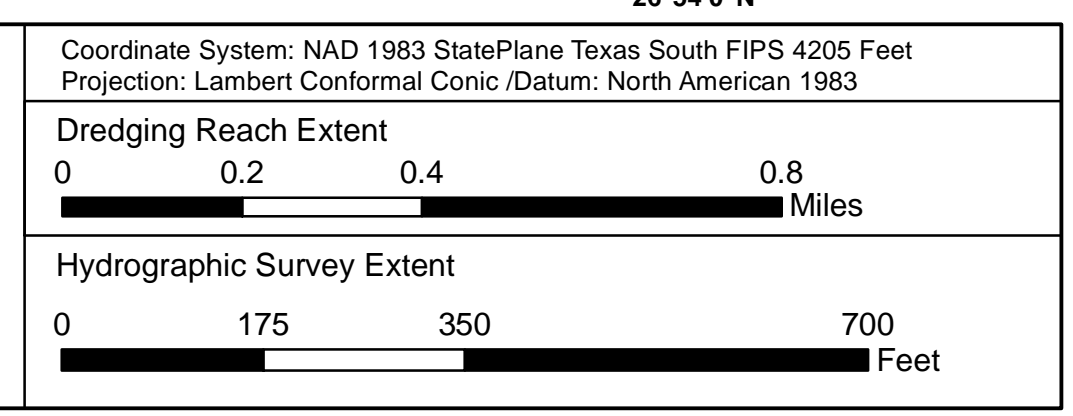
0 - 3  
3 - 5  
5 - 7  
7 - 9  
9 - 11  
11 - 13  
13 - 15  
15 - 17  
< 17

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Additional Combined Survey Dates and Stationing:  
COMB\_SURV\_INFO\_HERE



**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