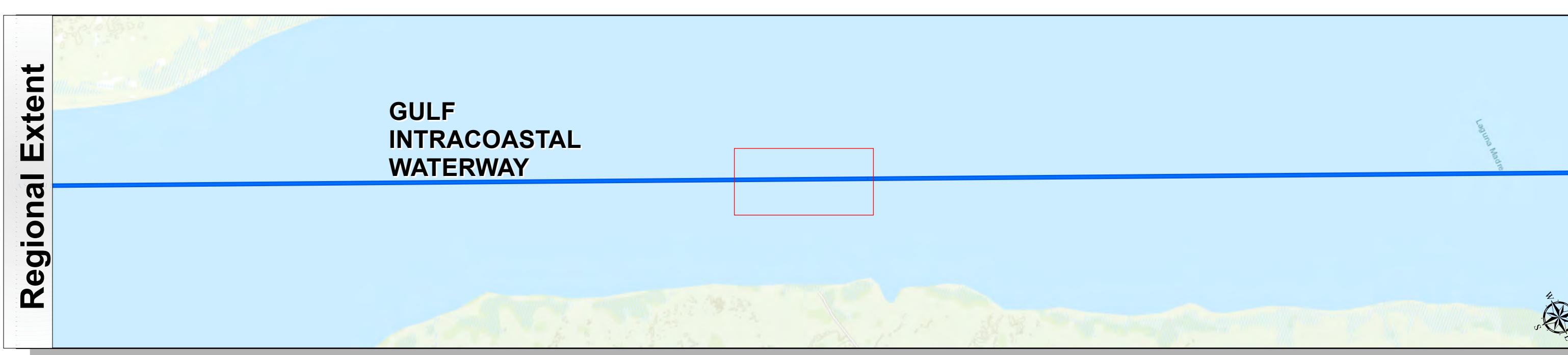


# Gulf Intracoastal Waterway: South Bird Island to Light 175

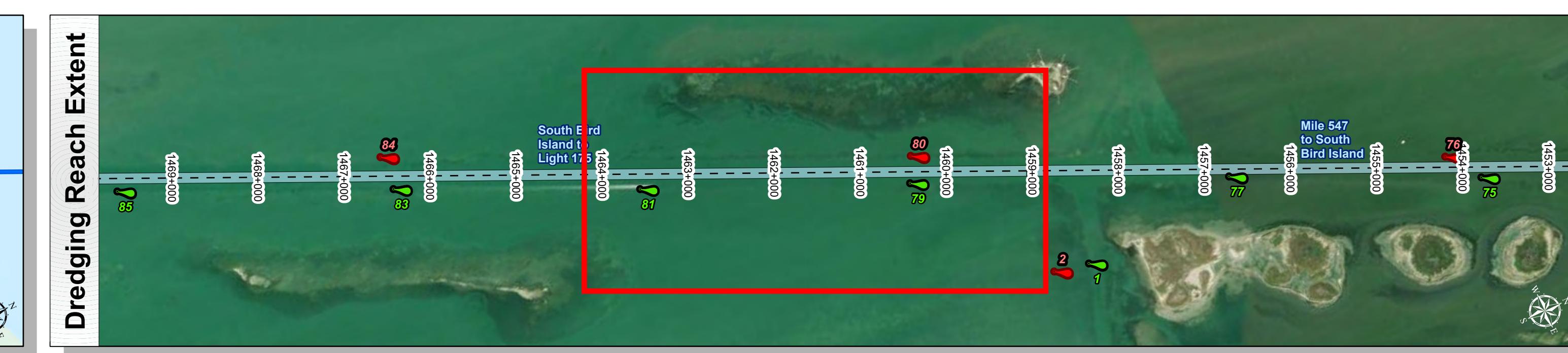


Regional Extent

GULF  
INTRACOASTAL  
WATERWAY



Dredging Reach Extent



Latest Survey Collection Date:	20 February 2024	Authorized Depth:	-13ft.
Document Page:	1 of 27	Side Slope Ratio:	(Rise : Run)
Website Index Number:	224	PDF Print Date:	3/7/2024
Scale:	1:12,000	Mapped by:	M3AOXPAC
Additional Imagery info:			



HYDROGRAPHIC SURVEY	
U.S. ARMY ENGINEER DISTRICT	CORPS OF ENGINEERS
Galveston, Texas	Gulf Intracoastal Waterway
Station: 1459+000 to 1591+500	South Bird Island to Light 175

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

NOTES:

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

2. Elevation are referenced to mean lower low tide (MLLW) datum.

3. This project was designed by the galveston district of the u.s. army corps of engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by er1110-1-8152.

4. The information contained in this document is provided for reference purposes only and is not to be relied upon for navigation or safety of life at sea.

5. These conditions are general and do not apply to specific situations. The data indicated and is only to 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.

6. For the most up to date information please check our website at: <http://www.swg.usace.army.mil/Missions/Navigation/HydrographicSurveys/>

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

World\_Imagery: Maxar, 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

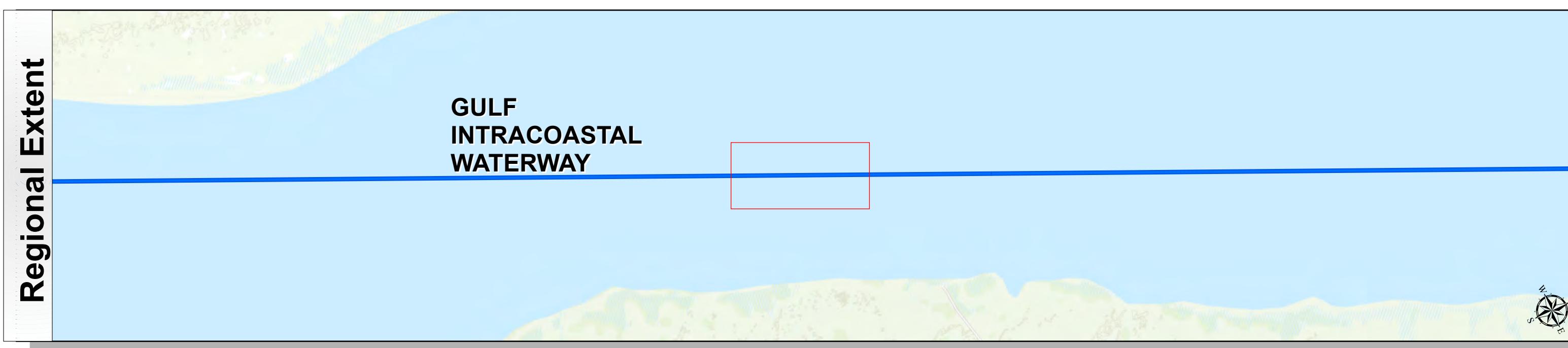
Dredging Reach Extent  
0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent  
0 170 340 680 Feet

# Gulf Intracoastal Waterway: South Bird Island to Light 175



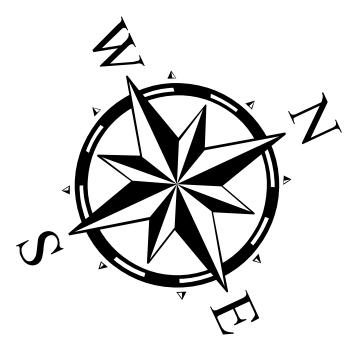
Regional Extent



Dredging Reach Extent



Latest Survey Collection Date:	20 February 2024	Authorized Depth: -13ft.
Document Page:	2 of 27	Side Slope Ratio: (Rise : Run)
Website Index Number:	225	PDF Print Date: 3/7/2024
Scale:	1:12,000	Mapped by: M3AOXPAC
Additional Imagery Info:		



HYDROGRAPHIC SURVEY	
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS GALVESTON, TEXAS	Projection: Lambert Conformal Conic
Station: 1459+000 to 1591+500	Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
GULF INTRACOASTAL WATERWAY South Bird Island to Light 175	Project: Lamb Conformal Conic

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

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 er1110-1-8152.
- The hydrographic survey data contained in this document is provided for reference purposes only and is not to be relied upon for navigation or engineering purposes. The data indicated and contained may 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.swg.usace.army.mil/Missions/Navigation/HydrographicSurveys/>

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

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

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

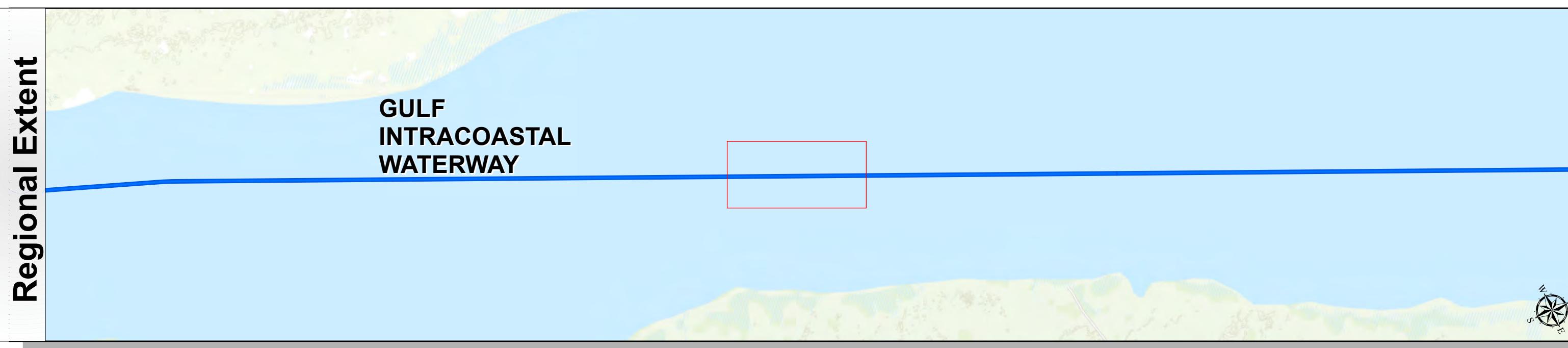
Dredging Reach Extent  
0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent  
0 170 340 680 Feet

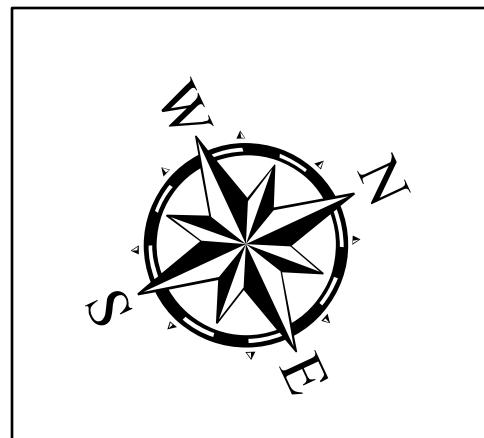
# Gulf Intracoastal Waterway: South Bird Island to Light 175



Regional Extent



Latest Survey Collection Date:	20 February 2024	Authorized Depth: -13ft.
Document Page:	3 of 27	Side Slope Ratio: (Rise : Run)
Website Index Number:	226	PDF Print Date: 3/7/2024
Mapped by:	M3AOXPAC	Additional Imagery info:



**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS  
Station: 1459+000 to 1591+500  
GULF INTRACOASTAL WATERWAY  
South Bird Island to Light 175

Channel Features  
--- Channel Center Line  
— Channel Toe  
↔ 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. Elevation are referenced to mean lower low tide (MLLW) datum.  
3. This project was designed by the galveston district of the u.s. army corps of engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by er1110-1-8152.  
4. The information contained in this document is provided as a reference. The data indicated and is not to be considered as indicating the general conditions existing at that time. These conditions are subject to rapid change due to shoaling events. A prudent mariner should not rely exclusively on the information provided here. Required by 33 CFR 209.325.  
5. For the most up to date information please check our website at: <http://www.swg.usace.army.mil/Missions/Navigation/HydrographicSurveys/>  
Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA  
World\_Imagery: Maxar, Microsoft

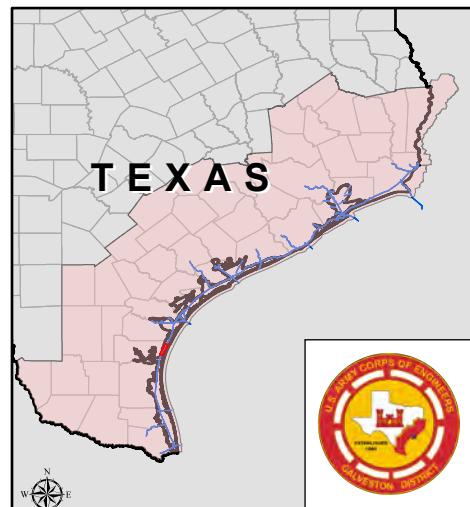
Additional Combined Survey Dates and Stationing:  
COMB\_SURV\_INFO\_HERE

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

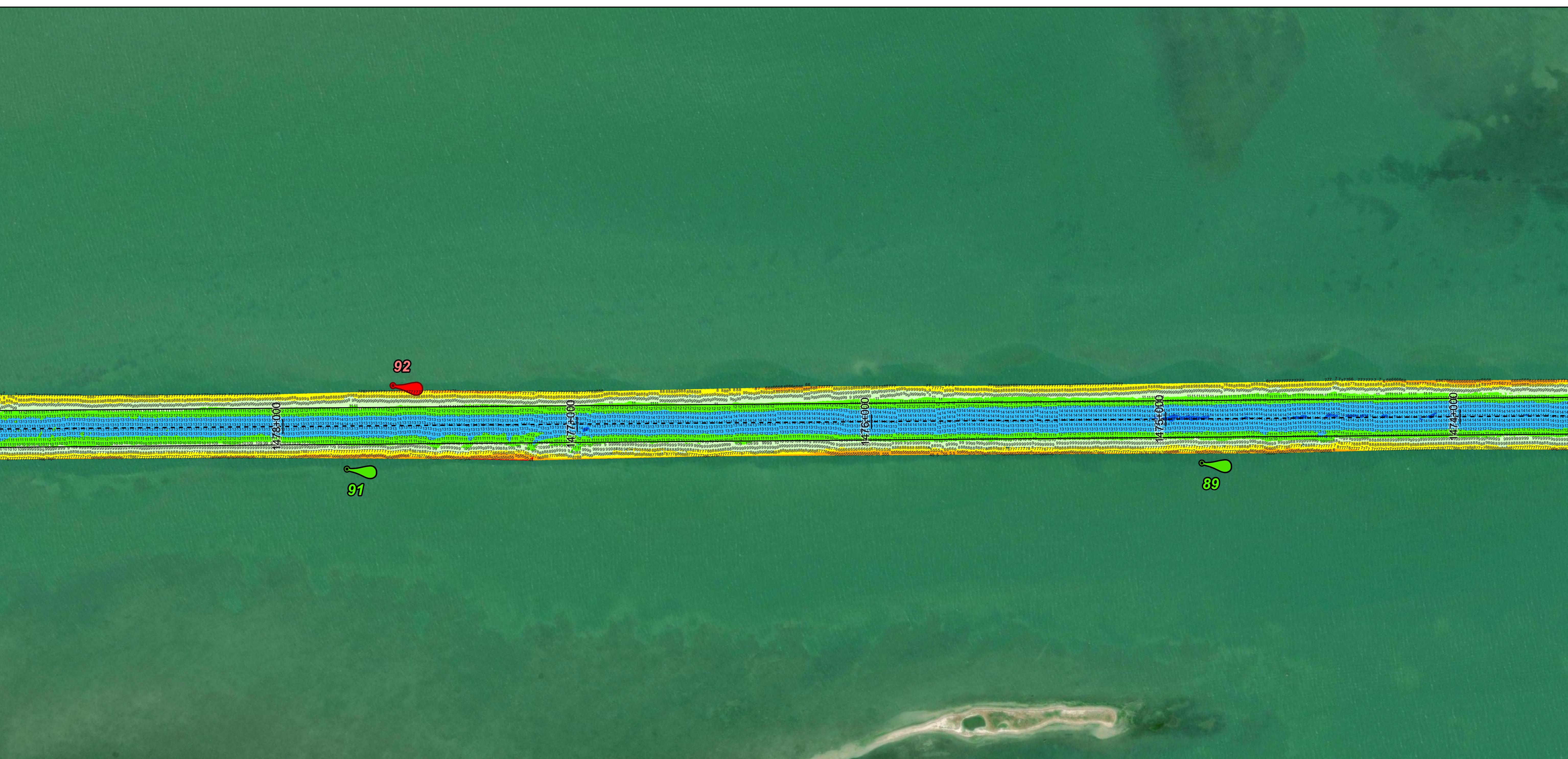
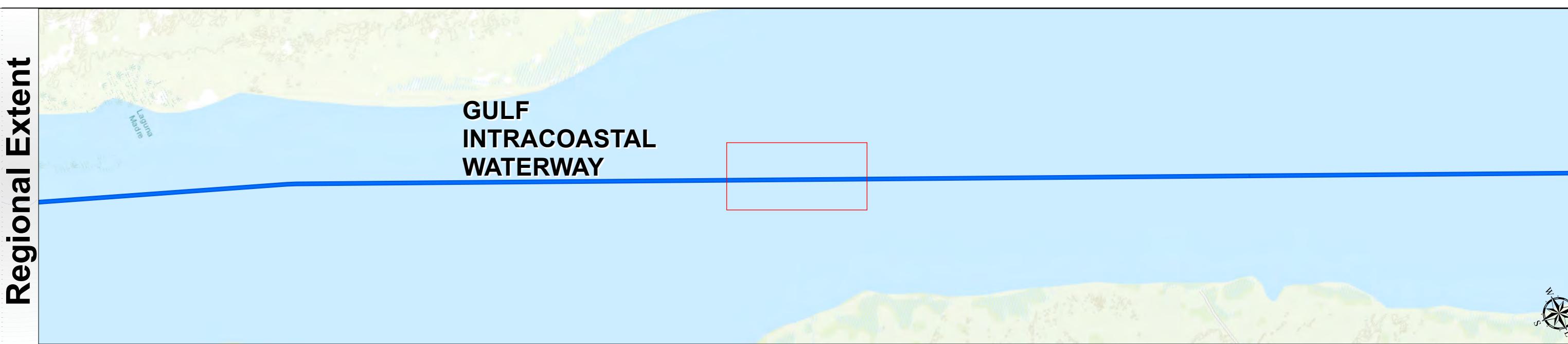
# Gulf Intracoastal Waterway: South Bird Island to Light 175



**U.S. Army Corps of Engineers  
Galveston District**



## Regional Extent



Channel Features	Aids to Navigation	
- - - Channel Center Line	 Green Side Aids	
— Channel Toe	 Red Side Aids	<b>MLLW</b> 
↔ Channel Dimensions	 Lights	0 - 3    3 - 5    5 - 7    7 - 9    9 - 11    11 - 13    13 - 15    15 - 17

**NOTES:**  
1. Horizontal coordinates are referenced to Texas State Plane Coordinate System, South Central Zone NAD 1983.

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 are

3. This project was designed by the galveston district of the u.s. army corps of engineers. The initials are by er1110-1-8152.

4. The information depicted on this survey map represents the results of surveys made on the dates indicated. It is not a chart of shoaling events. A prudent mariner should not rely exclusively on the information provided here. Requirements for safe navigation are the responsibility of the mariner.

to shoaling events. A prudent mariner should not rely exclusively on the information provided here. Request 5. For the most up to date information please check our website at: <http://www.swg.usace.army.mil/Mississippi>

Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENTAL

World\_Imagery: Maxar

[View Details](#) | [Edit](#) | [Delete](#)

Additional Combined Survey Dates and Stationing:  
**COMB SURV INFO HERE**

as required

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

A map of the Mississippi River Delta area showing the extent of dredging reaches. The map includes state and county boundaries, major rivers, and coastal features. A legend titled 'Dredging Reach Extent' is located in the bottom right corner, with three categories: '0-0.25 mi' (light blue), '0.25-0.5 mi' (medium blue), and '0.5-1.0 mi' (dark blue). The dredging reaches are concentrated along the coastlines and in the central delta region.

0.2      0.4      0.8 Miles

## Hydrographic Survey Extent

170                  340                  680  
Feet

**HYDROGRAPHIC SURVEY**

---

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

**Station: 1459+000 to 1591+500  
GULF INTRACOASTAL WATERWAY**

South Bird Island to Light 175

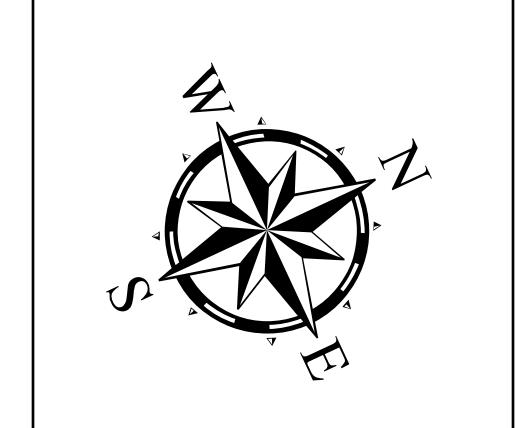
# Gulf Intracoastal Waterway: South Bird Island to Light 175



## Regional Extent



Latest Survey Collection Date:	20 February 2024	Authorized Depth: -13ft.
Document Page:	5 of 27	Side Slope Ratio: (Rise : Run)
Website Index Number:	228	PDF Print Date: 3/7/2024
Mapped by:	M3AOXPAC	Additional Imagery info:



Channel Features  
--- Channel Center Line  
— Channel Toe  
↔ 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. Elevation are referenced to mean lower low tide (MLLW) datum.  
3. This project was designed by the galveston district of the u.s. army corps of engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by er1110-1-8152.  
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5. For the most up to date information please check our website at: <http://www.swg.usace.army.mil/Missions/Navigation/HydrographicSurveys/>

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

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

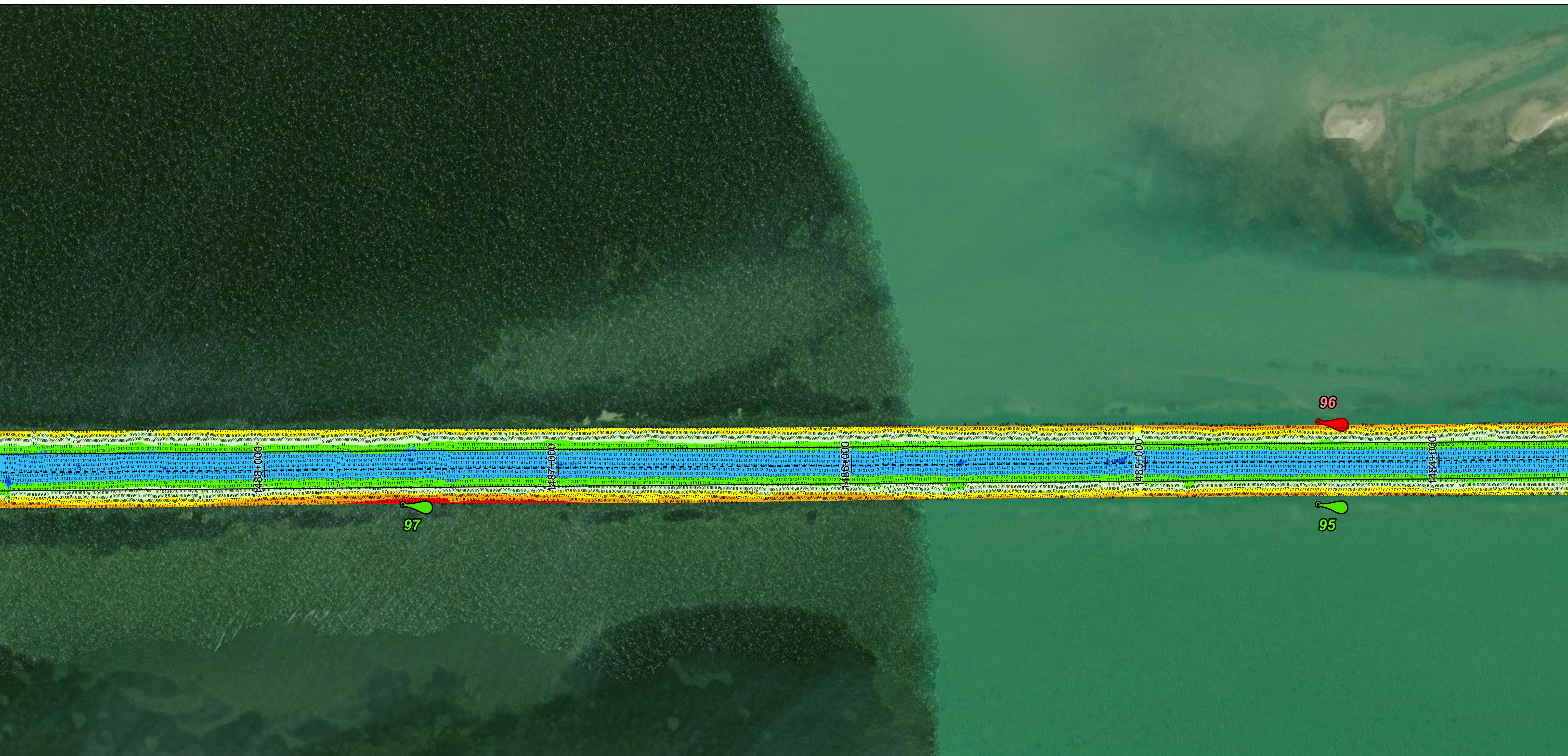
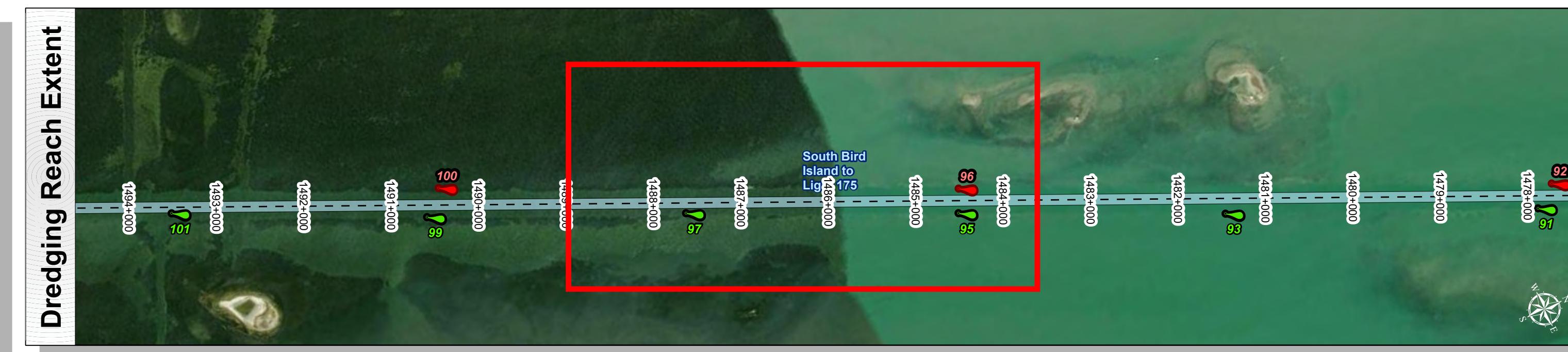
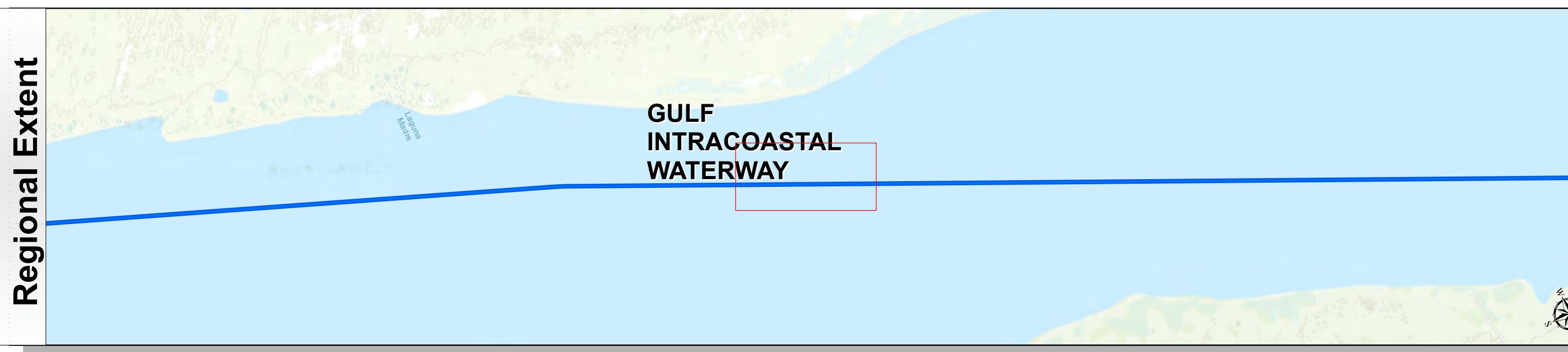
Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet  
Projection: Lambert Conformal Conic  
Dredging Reach Extent  
0 0.2 0.4 0.8 Miles  
Hydrographic Survey Extent  
0 170 340 680 Feet

**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS  
Station: 1459+000 to 1591+500  
GULF INTRACOASTAL WATERWAY  
South Bird Island to Light 175

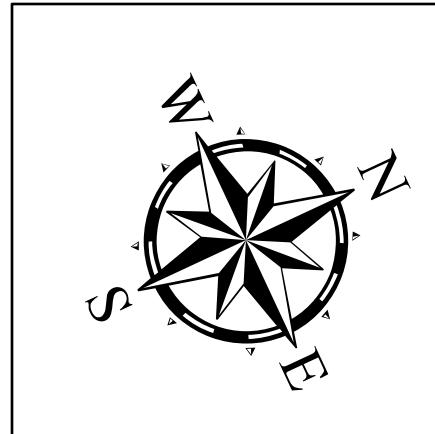
# Gulf Intracoastal Waterway: South Bird Island to Light 175



Regional Extent



Latest Survey Collection Date:	20 February 2024	Authorized Depth: -13ft.
Document Page:	6 of 27	Side Slope Ratio: (Rise : Run)
Website Index Number:	229	PDF Print Date: 3/7/2024
Mapped by:	M3AOXPAC	Additional Imagery info:



**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS  
Station: 1459+00 to 1591+500  
GULF INTRACOASTAL WATERWAY  
South Bird Island to Light 175

Channel Features  
--- Channel Center Line  
— Channel Toe  
↔ 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. Elevation 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 er110-1-8152.  
4. The information contained in this document is provided "as is" and is subject to change due to shoaling events. A prudent mariner should not rely exclusively on the information provided here. Required by 33 CFR 209.325.  
5. For the most up to date information please check our website at: <http://www.swg.usace.army.mil/Missions/Navigation/HydrographicSurveys/>  
Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA  
World\_Imagery: Maxar, Microsoft

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

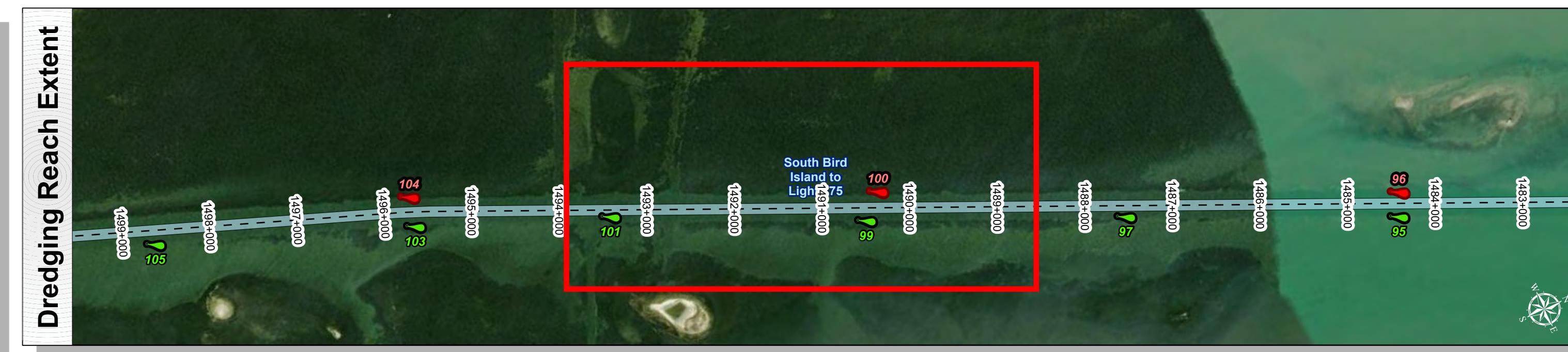
# Gulf Intracoastal Waterway: South Bird Island to Light 175



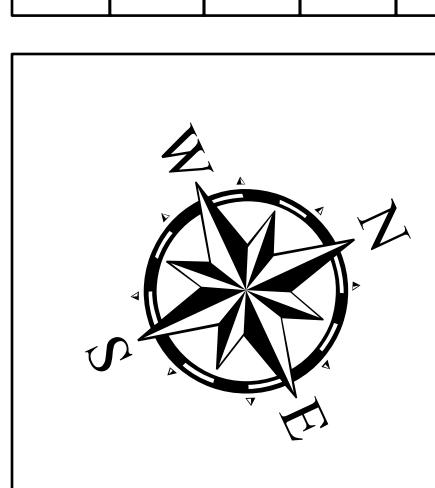
Regional Extent



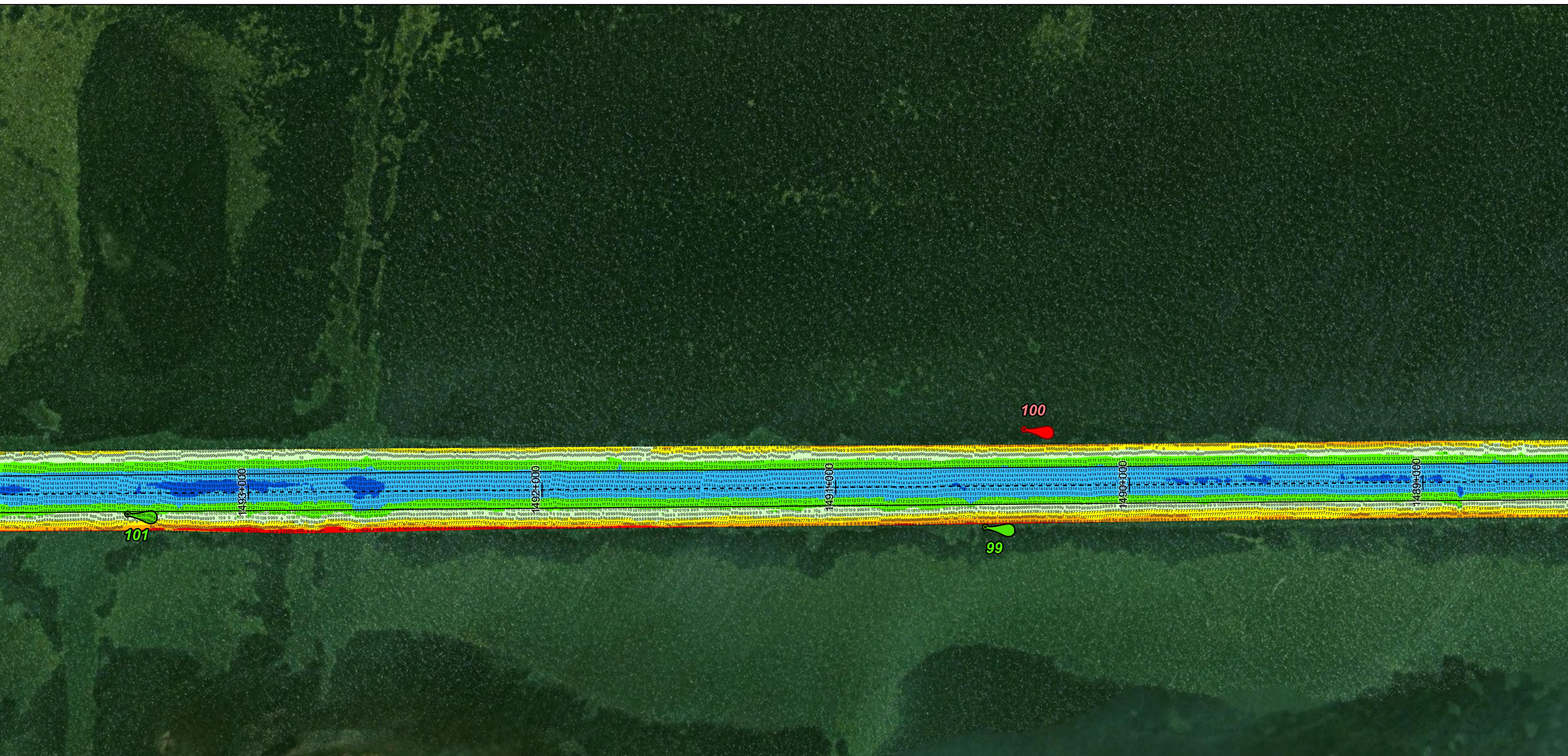
Dredging Reach Extent



Latest Survey Collection Date:	20 February 2024	Authorized Depth: -13ft.
Document Page:	7 of 27	Side Slope Ratio: (Rise : Run)
Website Index Number:	230	PDF Print Date: 3/7/2024



**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS  
Station: 1459+000 to 1591+500  
GULF INTRACOASTAL WATERWAY  
South Bird Island to Light 175



Channel Features  
--- Channel Center Line  
— Channel Toe  
↔ Channel Dimensions

Aids to Navigation  
Green Side Aids  
Red Side Aids  
Lights

NOTES:

1. Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.  
2. Elevation 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 er1100-1-8152.  
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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA  
World\_Imagery: Maxar, 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

Additional Imagery info:
--------------------------

Mapped by: M3AOXPAC

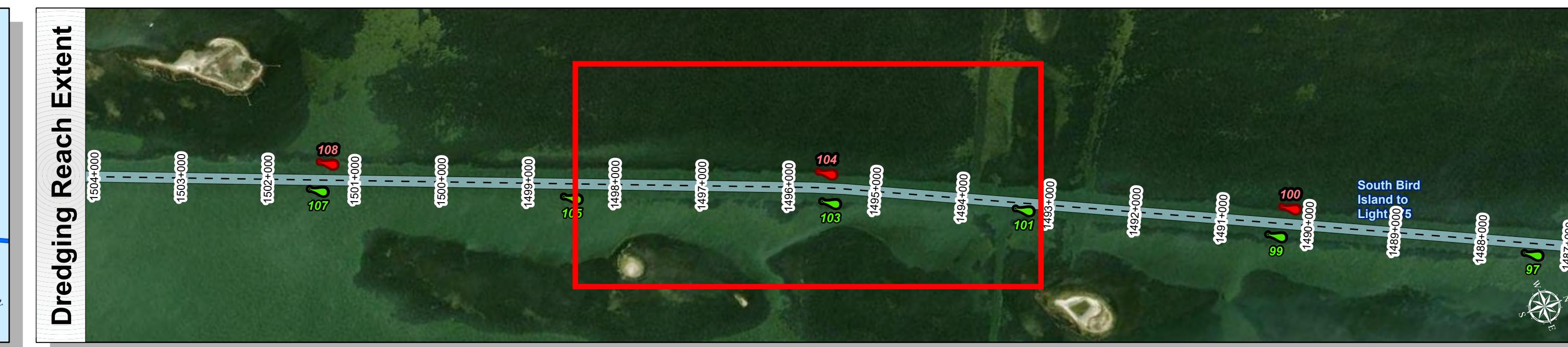
Scale: 1:12,000

Additional Imagery info:

# Gulf Intracoastal Waterway: South Bird Island to Light 175



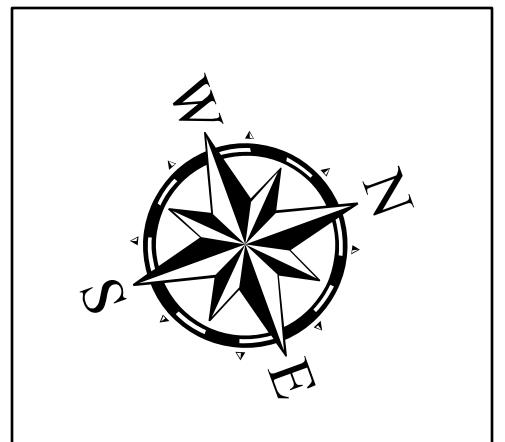
Regional Extent



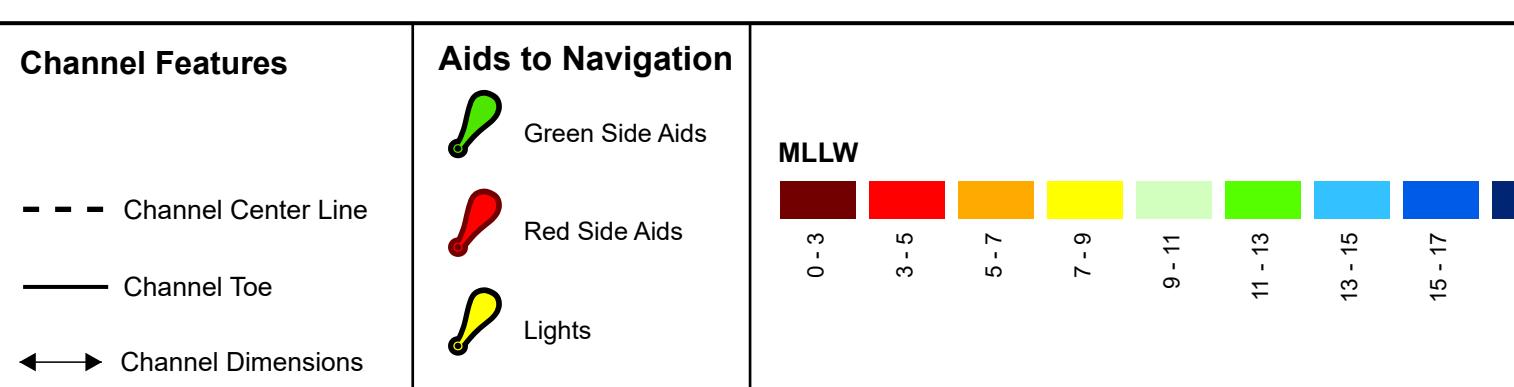
Latest Survey Collection Date:	20 February 2024	Authorized Depth:	-13ft.
Document Page:	8 of 27	Side Slope Ratio:	(Rise : Run)
Website Index Number:	231	PDF Print Date:	3/7/2024

Mapped by: M3AOXPAC

Additional Imagery info:



**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS  
Station: 1459+000 to 1591+500  
GULF INTRACOASTAL WATERWAY  
South Bird Island to Light 175



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

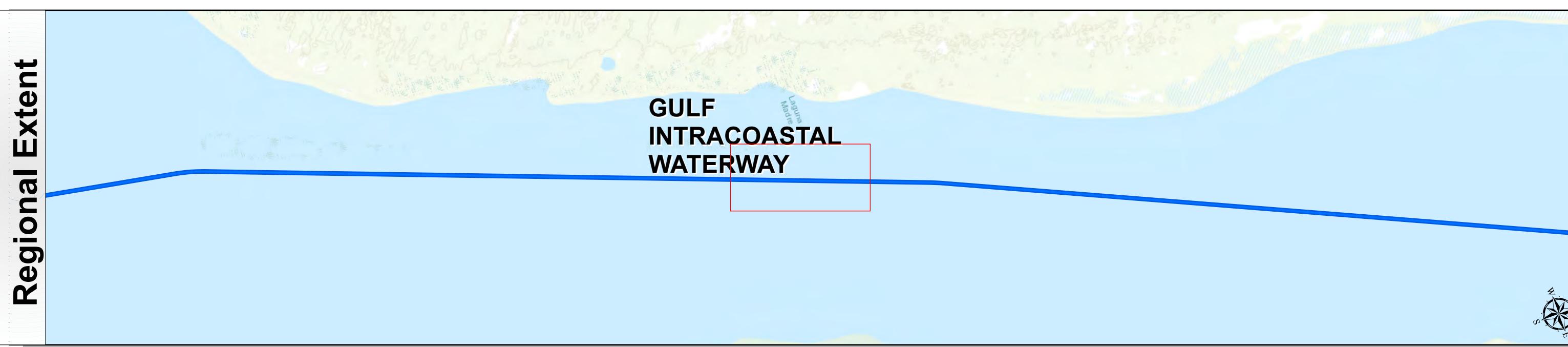
0      170      340      680 Feet
--------------------------------------

# Gulf Intracoastal Waterway: South Bird Island to Light 175

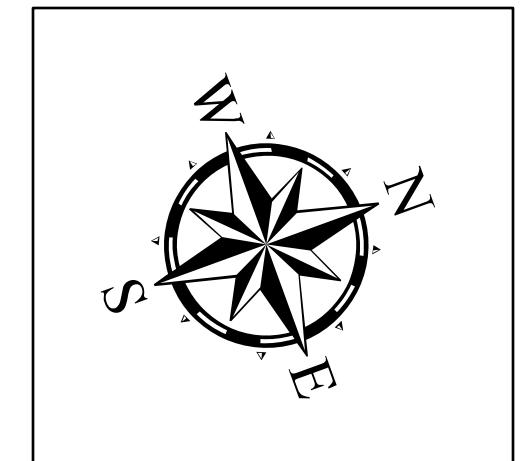


U.S. Army Corps of Engineers  
Galveston District

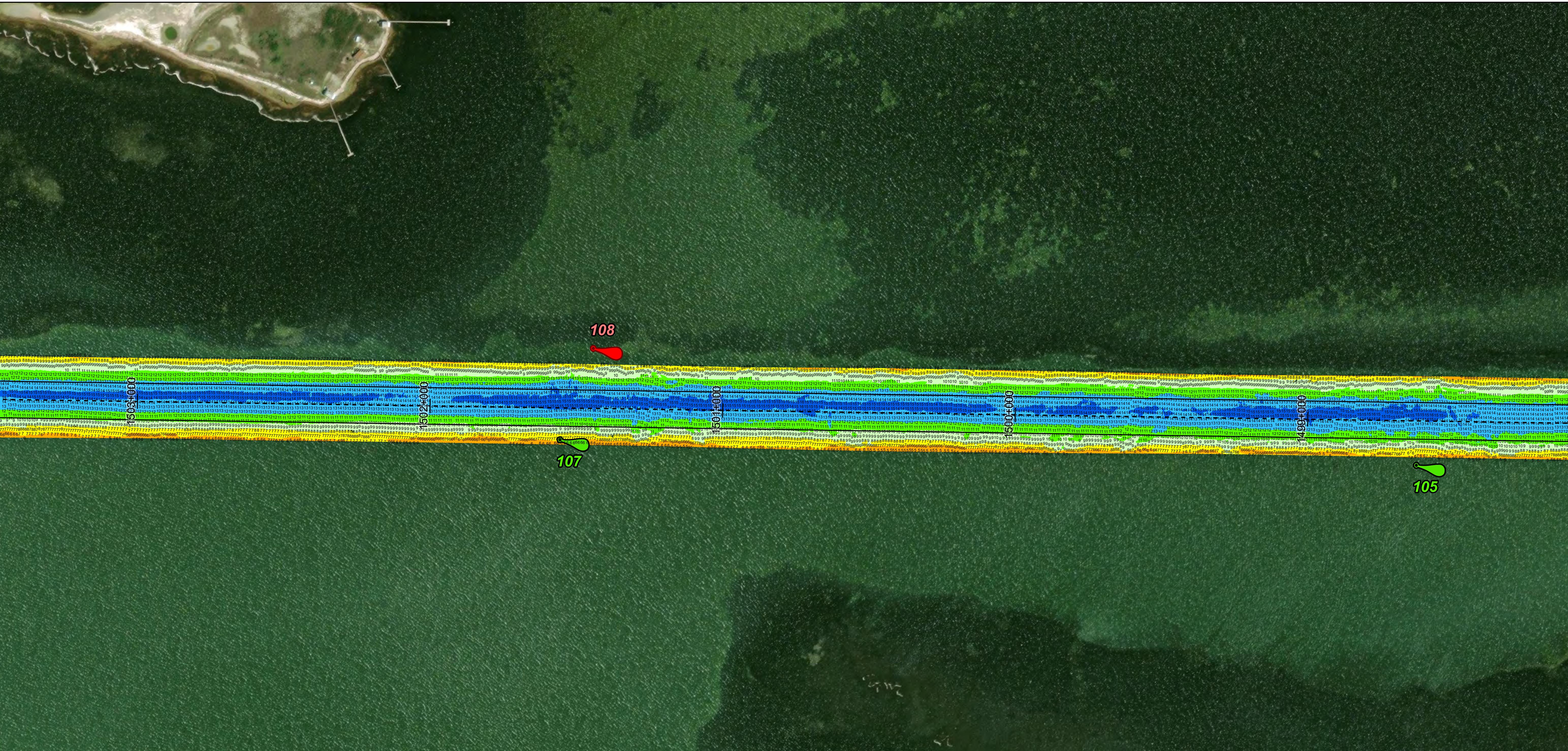
## Regional Extent



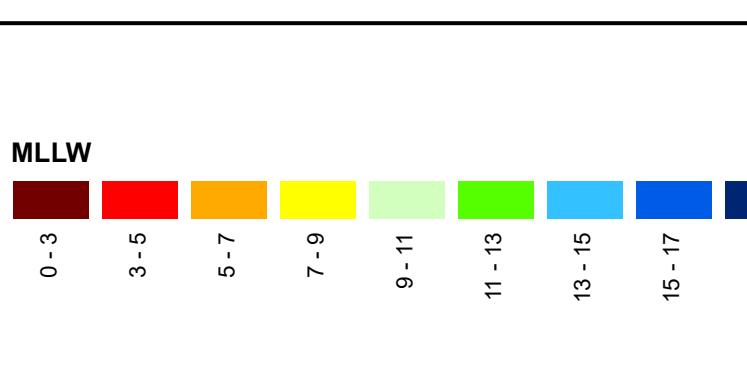
Latest Survey Collection Date:	20 February 2024	Authorized Depth: -13ft.
Document Page:	9 of 27	Side Slope Ratio: (Rise : Run)
	Website Index Number: 232	PDF Print Date: 3/7/2024
		Mapped by: M3AOXPAC
		Additional Imagery info:



HYDROGRAPHIC SURVEY	
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS GALVESTON, TEXAS	Projection: Lambert Conformal Conic
Station: 1459+000 to 1591+500	Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
GULF INTRACOASTAL WATERWAY South Bird Island to Light 175	Project: Lamb Conformal Conic



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



NOTES:  
1. Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.  
2. Elevation 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 er110-1-8152.  
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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA  
World\_Imagery: Maxar, 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

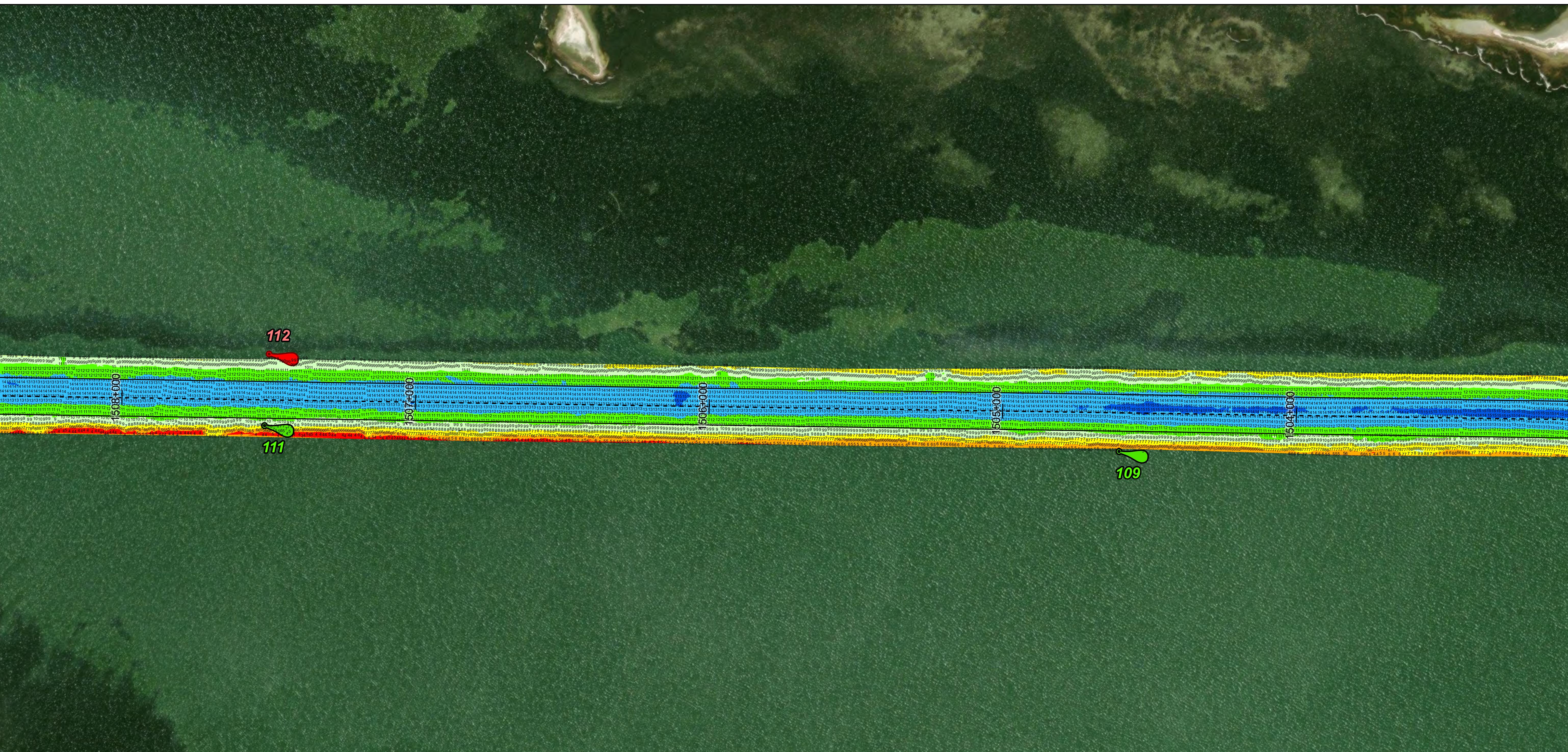
# Gulf Intracoastal Waterway: South Bird Island to Light 175



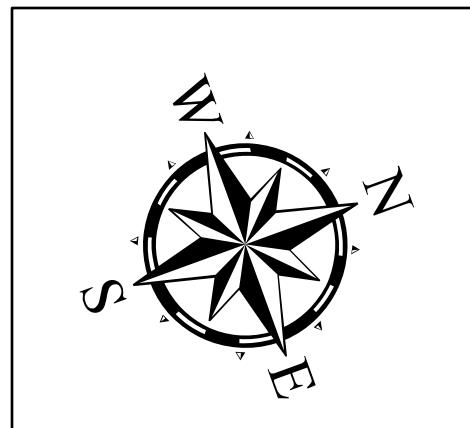
U.S. Army Corps of Engineers  
Galveston District



## Regional Extent



Latest Survey Collection Date:	20 February 2024
Document Page:	10 of 27
Website Index Number:	233
Authorized Depth:	-13ft.
Side Slope Ratio:	(Rise : Run)
PDF Print Date:	3/7/2024
Mapped by:	M3AOXPAC
Additional Imagery info:	



**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS  
Station: 1459+000 to 1591+500  
GULF INTRACOASTAL WATERWAY  
South Bird Island to Light 175

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

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

4. This document contains neither recommendations nor conclusions of the u.s. army corps of engineers. The data indicated and used may be considered as indicating the general conditions existing at that time. These conditions are subject to rapid change due to shoaling events. A prudent mariner should not rely exclusively on the information provided here. Required by 33 CFR 209.325.  
5. For the most up to date information please check our website at: <http://www.swg.usace.army.mil/Missions/Navigation/HydrographicSurveys/>

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

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

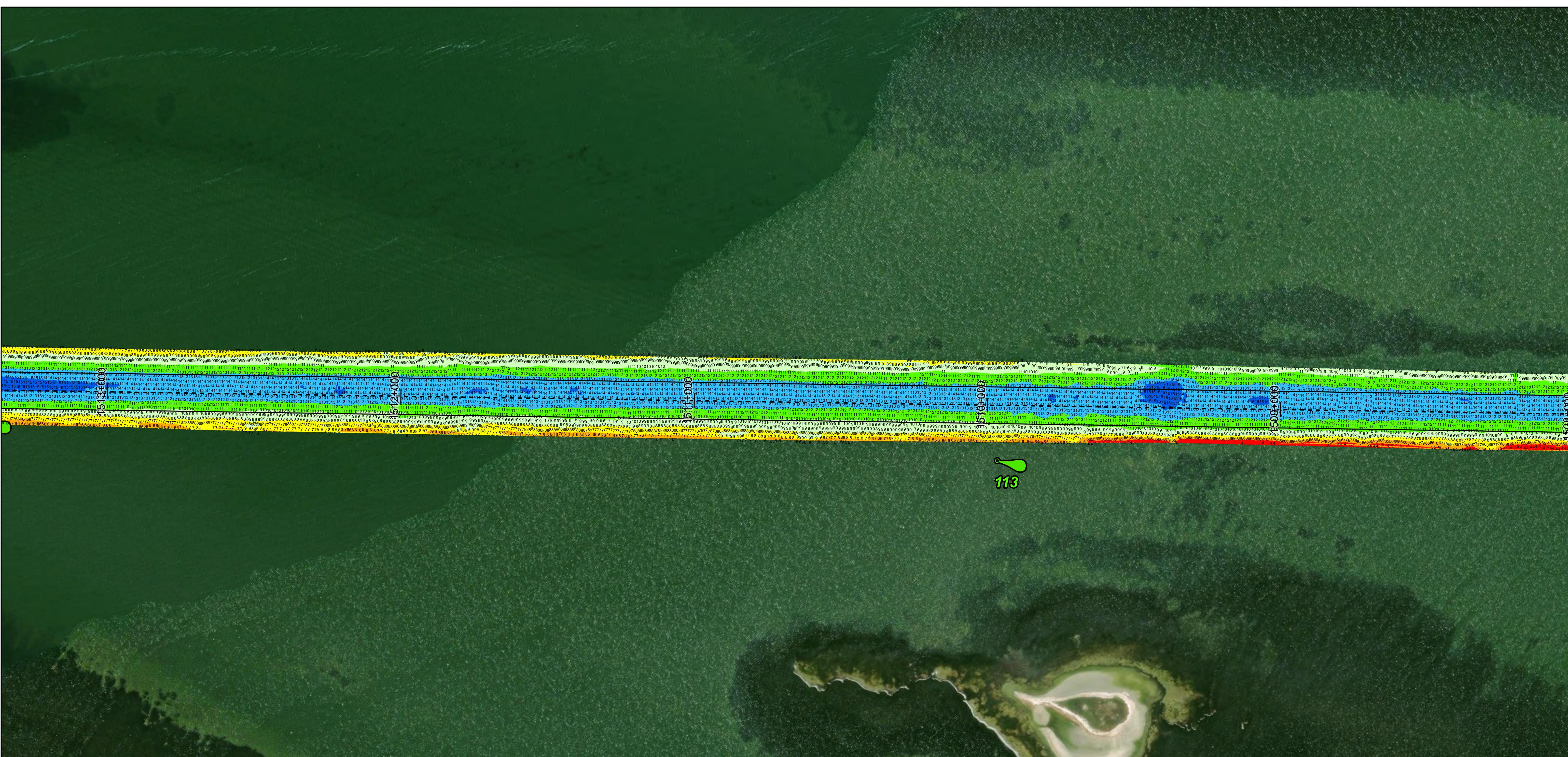
# Gulf Intracoastal Waterway: South Bird Island to Light 175



**U.S. Army Corps of Engineers  
Galveston District**



## Regional Extent



Channel Features	Aids to Navigation	
 Channel Center Line	 Green Side Aids	
 Channel Toe	 Red Side Aids	
 Channel Dimensions	 Lights	0 - 3    3 - 5    5 - 7    7 - 9    9 - 11    11 - 13    13 - 15    15 - 17

**NOTES:**  
1. Horizontal coordinates are referenced to texas state plane coordinate system, south central zone nad83 us survey feet.

1. All survey coordinates are referenced to Texas State plane coordinate system, South Central Zone NAD83 as Survey Base.  
2. Elevations are referenced to mean lower low tide (MLLW) datum.  
3. This project was designed by the galveston district of the u.s. army corps of engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by er1110-1-8152.  
4. The information depicted on this survey map represents the results of surveys made on the dates indicated and can only be considered as indicating the general conditions existing at that time. These conditions are subject to rapid change due to shoaling events. A prudent mariner should not rely exclusively on the information provided here. Required by 33 cfr 209.325  
5. For the most up to date information please check our website at: <http://www.swg.usace.army.mil/Missions/Navigation/HydrographicSurveys/>

Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, Elevation: Esri, HERE, USGS, NOAA, World\_Imagery: Maxar, Microsoft

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

0.2      0.4      0.8 Miles

Hydrographic Survey Extent

170      340      680 Feet

# HYDROGRAPHIC SURVEY

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

**Station: 1459+000 to 1591  
ULF INTRACOASTAL WAT**

**South Bird Island to Light 175**

# Gulf Intracoastal Waterway: South Bird Island to Light 175

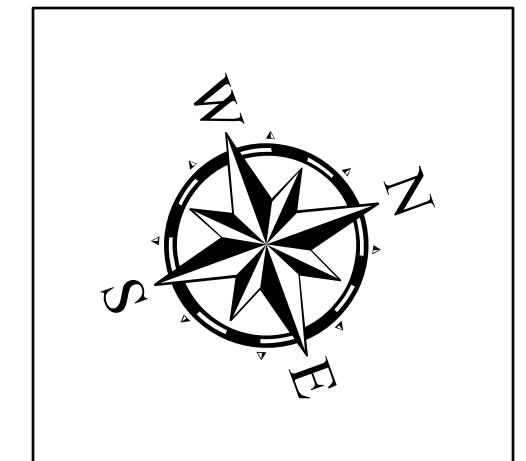


U.S. Army Corps of Engineers  
Galveston District

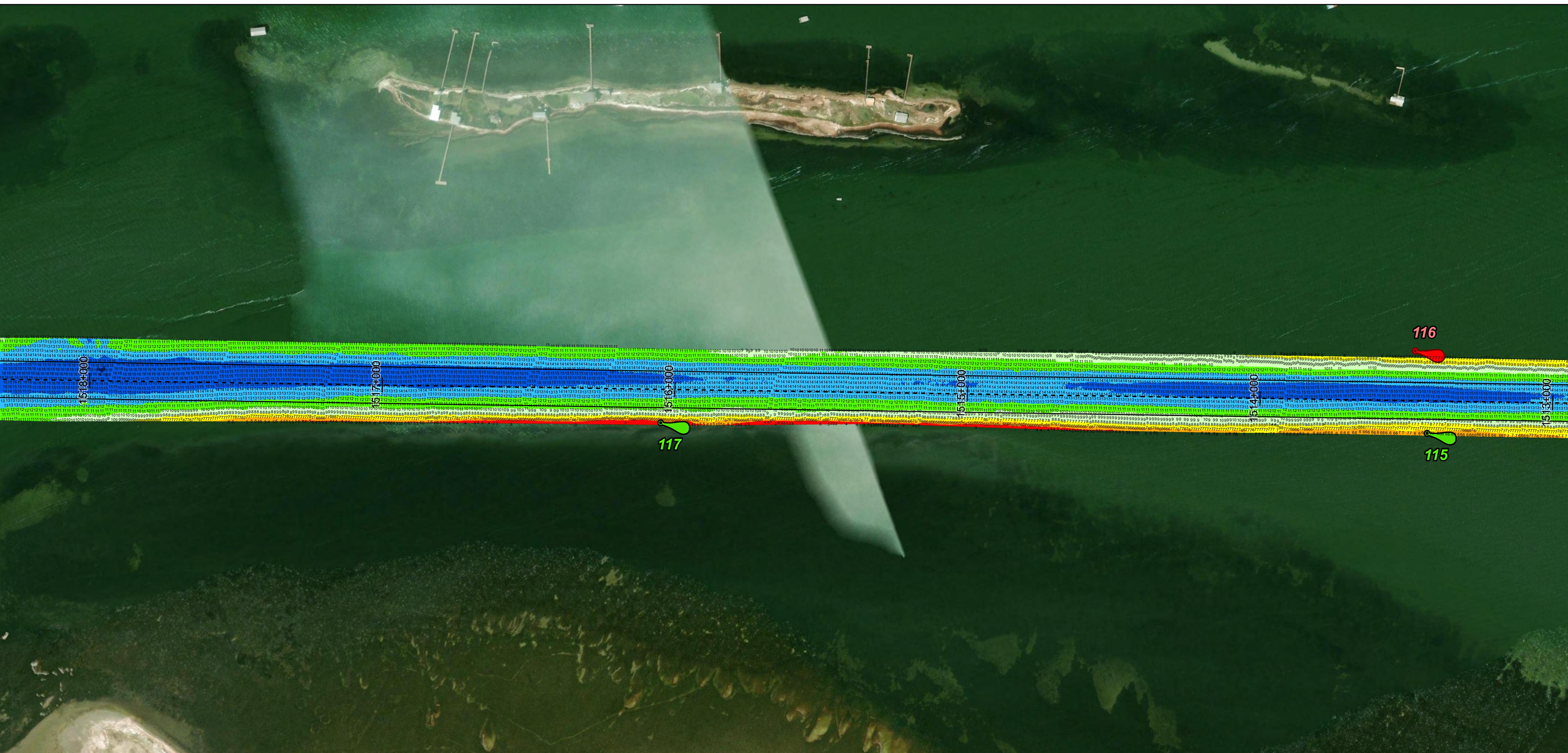
Regional Extent



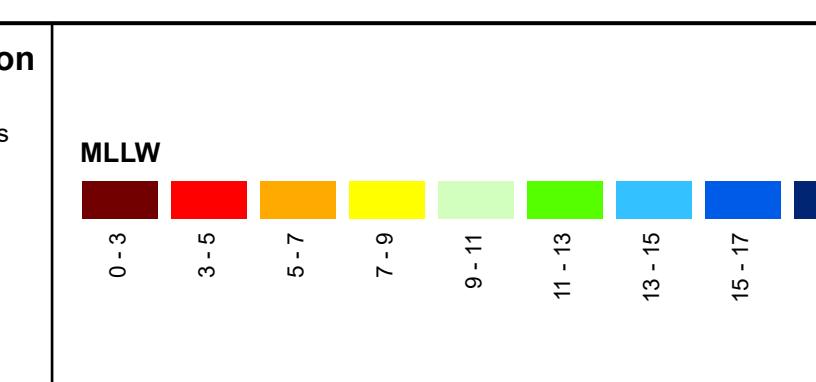
Latest Survey Collection Date:	20 February 2024	Authorized Depth:	-13ft.
Document Page:	12 of 27	Side Slope Ratio:	(Rise : Run)
Website Index Number:	235	PDF Print Date:	3/7/2024
Mapped by:	M3AOXPAC	Additional Imagery info:	



HYDROGRAPHIC SURVEY	
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS GALVESTON, TEXAS	
Station: 1459+000 to 1591+500 GULF INTRACOASTAL WATERWAY South Bird Island to Light 175	



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



NOTES:

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

2. Elevation are referenced to mean lower low tide (MLLW) datum.

3. This project was designed by the galveston district of the u.s. army corps of engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by er1110-1-8152.

4. The information contained in this document is provided "as is" and is subject to change due to sheeting events. A prudent mariner should not rely exclusively on the information provided here. Required by 33 CFR 209.325.

5. For the most up to date information please check our website at: <http://www.swg.usace.army.mil/Missions/Navigation/HydrographicSurveys/>

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

World\_Imagery: Maxar, 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

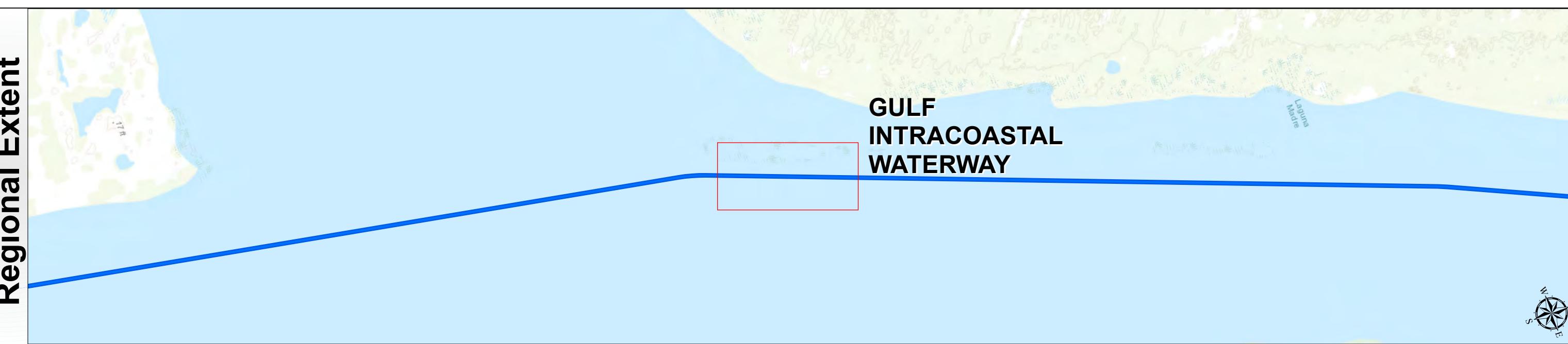
Hydrographic Survey Extent  
0 170 340 680 Feet

# Gulf Intracoastal Waterway: South Bird Island to Light 175

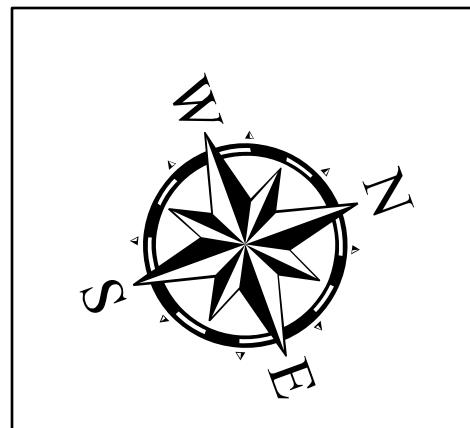


U.S. Army Corps of Engineers  
Galveston District

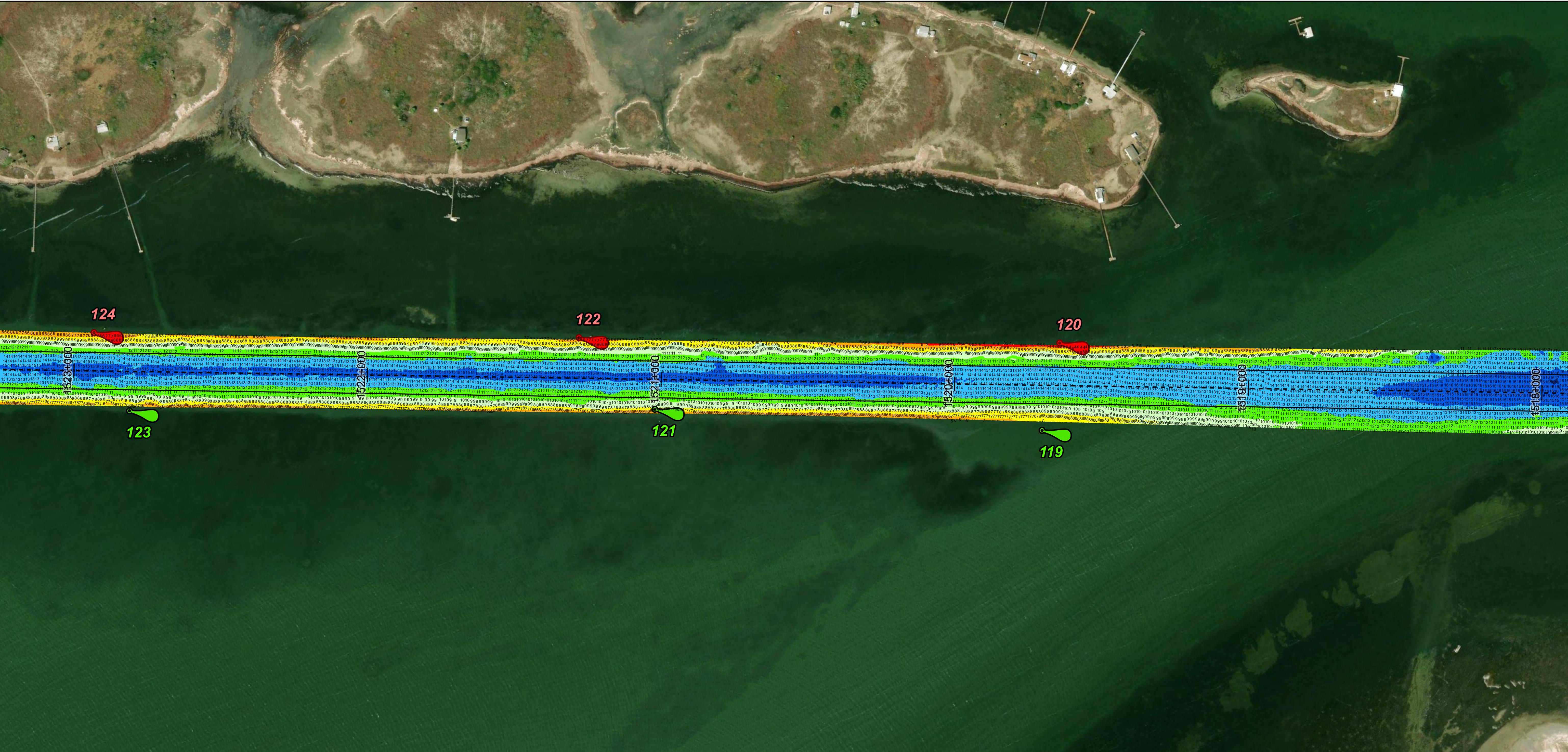
Regional Extent



Latest Survey Collection Date:	20 February 2024	Authorized Depth: -13ft.
Document Page:	13 of 27	Side Slope Ratio: (Rise : Run)
Website Index Number:	236	PDF Print Date: 3/7/2024
Scale:	1:12,000	Mapped by: M3AOXPAC
Additional Imagery info:		



**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS  
Station: 1459+000 to 1591+500  
GULF INTRACOASTAL WATERWAY  
South Bird Island to Light 175



Channel Features  
--- Channel Center Line  
— Channel Toe  
↔ 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. Elevation are referenced to mean lower low tide (MLLW) datum.  
3. This project was designed by the galveston district of the u.s. army corps of engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by er1110-1-8152.  
4. The information contained in this document is provided as is and is subject to change due to sheeting errors. A prudent mariner should not rely exclusively on the information provided here. Required by 33 CFR 209.325.  
5. For the most up to date information please check our website at: <http://www.swg.usace.army.mil/Missions/Navigation/HydrographicSurveys/>  
Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA  
World\_Imagery: Maxar, 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

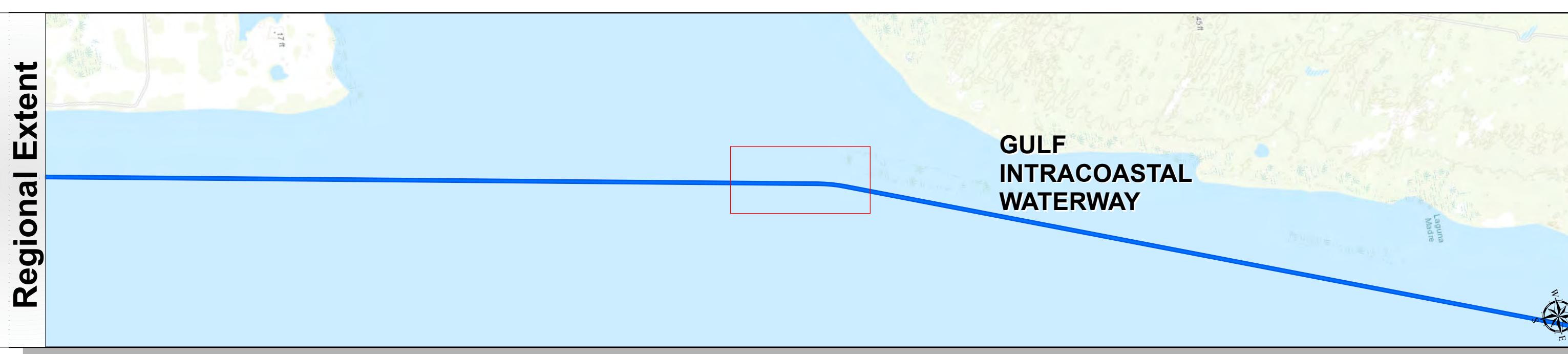
# Gulf Intracoastal Waterway: South Bird Island to Light 175



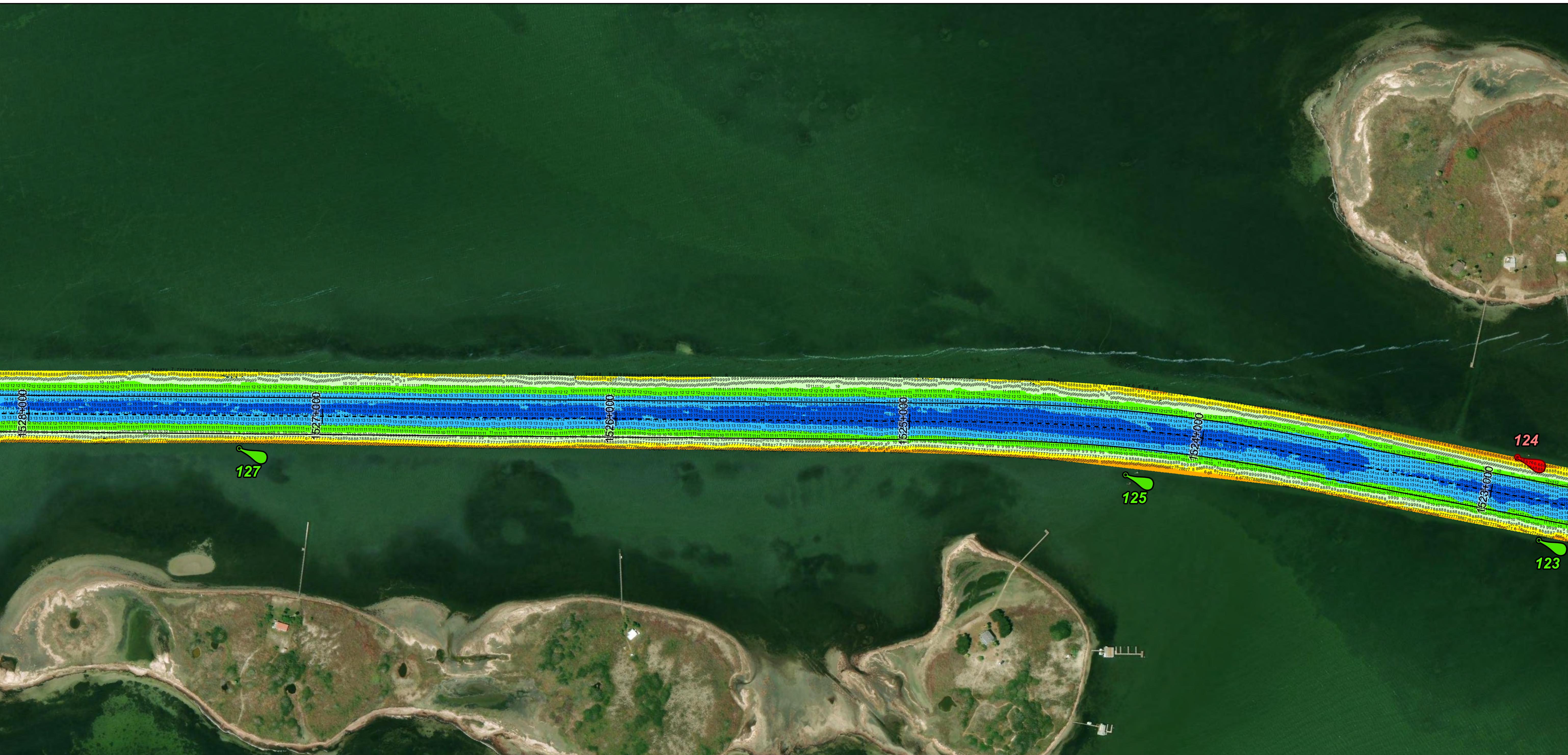
U.S. Army Corps of Engineers  
Galveston District



Regional Extent

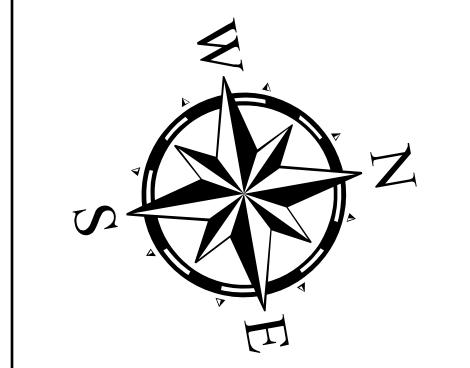


Dredging Reach Extent



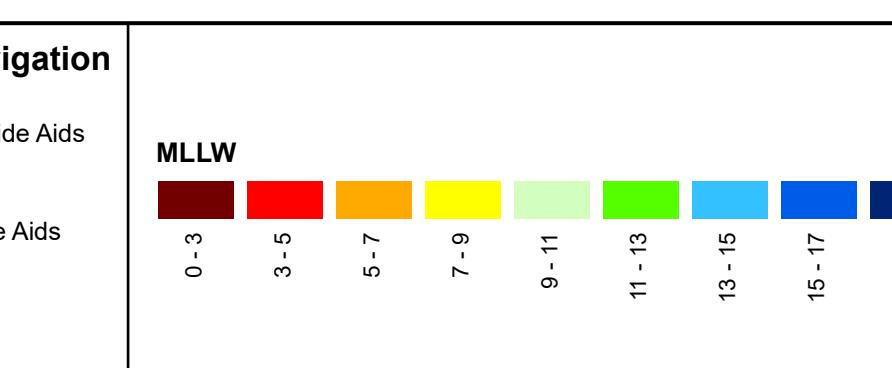
Latest Survey Collection Date:	20 February 2024	Authorized Depth:	-13ft.
Document Page:	15 of 27	Side Slope Ratio:	(Rise : Run)
Website Index Number:	237	PDF Print Date:	3/7/2024

Mapped by: M3AOXPAC  
Scale: 1:12,000  
Additional Imagery info:



HYDROGRAPHIC SURVEY	
U.S. ARMY ENGINEER DISTRICT	CORPS OF ENGINEERS
Galveston, Texas	Gulf Intracoastal Waterway
Station: 1459+000 to 1591+500	South Bird Island to Light 175

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



NOTES:

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

2. Elevation are referenced to mean lower low tide (MLLW) datum.

3. This project was designed by the galveston district of the u.s. army corps of engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by er1110-1-8152.

4. The information contained in these documents is based on the date indicated and is only to be considered as indicating the general conditions existing at that time. These conditions are subject to rapid change due to shoaling events. A prudent mariner should not rely exclusively on the information provided here. Required by 33 CFR 209.325.

5. For the most up to date information please check our website at: <http://www.swg.usace.army.mil/Missions/Navigation/HydrographicSurveys/>

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

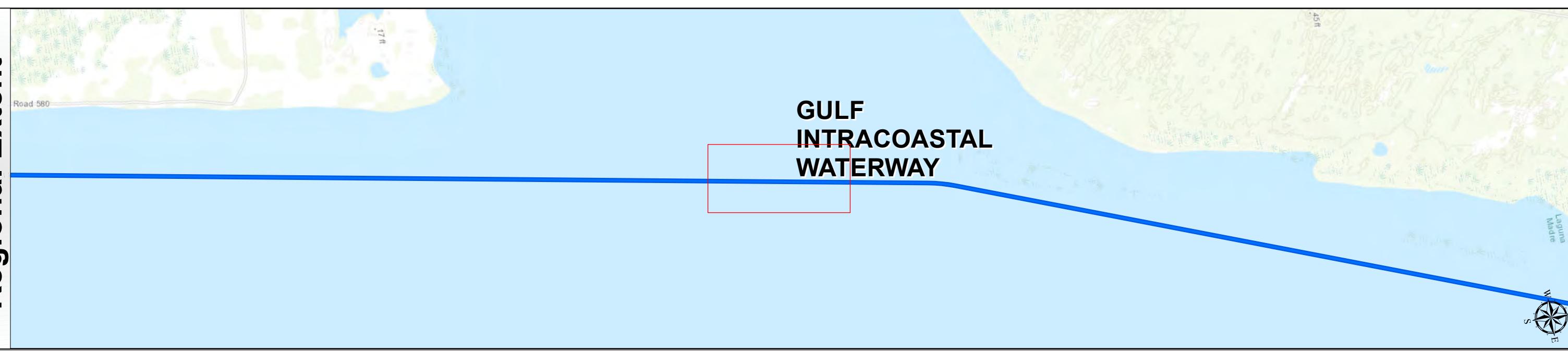
Dredging Reach Extent  
0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent  
0 170 340 680 Feet

# Gulf Intracoastal Waterway: South Bird Island to Light 175



Regional Extent



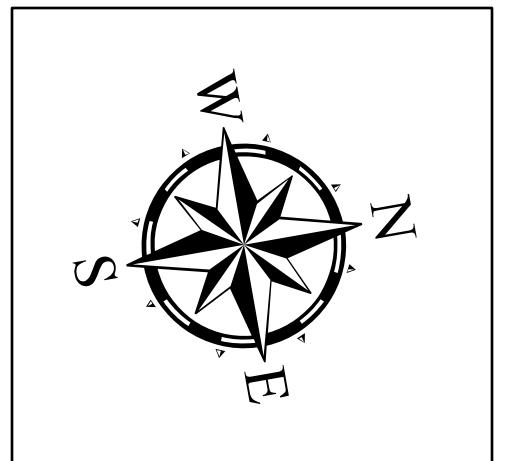
Dredging Reach Extent



Latest Survey Collection Date:	20 February 2024	Authorized Depth:	-1.3ft.
Document Page:	17 of 27	Side Slope Ratio:	(Rise : Run)
Website Index Number:	238	PDF Print Date:	3/7/2024

Mapped by: M3AOXPAC

Additional Imagery info:



**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS  
Station: 1459+000 to 1591+500  
GULF INTRACOASTAL WATERWAY  
South Bird Island to Light 175



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

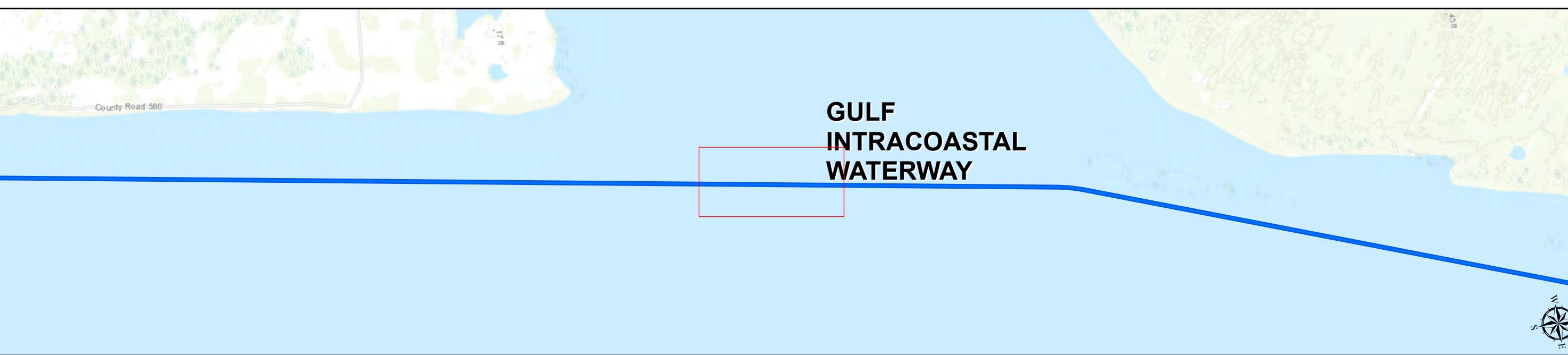
Additional Combined Survey Dates and Stationing:  
COMB\_SURV\_INFO\_HERE

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

# Gulf Intracoastal Waterway: South Bird Island to Light 175



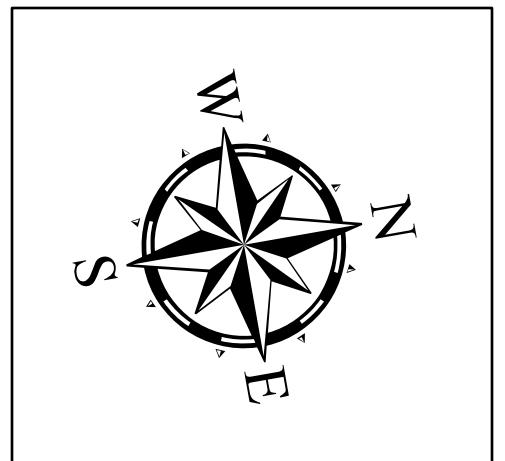
## Regional Extent



Latest Survey Collection Date:	20 February 2024	Authorized Depth: -13ft.
Document Page:	18 of 27	Side Slope Ratio: (Rise : Run)
Website Index Number:	239	PDF Print Date: 3/7/2024

Mapped by: M3AOXPAC

Additional Imagery info:



**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS  
Station: 1459+000 to 1591+500  
GULF INTRACOASTAL WATERWAY  
South Bird Island to Light 175

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

NOTES:  
 1. Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.  
 2. Elevation are referenced to mean lower low tide (MLLW) datum.  
 3. This project was designed by the galveston district of the u.s. army corps of engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by er1110-1-8152.  
 4. The hydrographic survey data contained in this document is provided for reference only and may not be relied upon for navigation due to shoaling events. A prudent mariner should not rely exclusively on the information provided herein. Required by 33 CFR 209.325.  
 5. For the most up to date information please check our website at: <http://www.swg.usace.army.mil/Missions/Navigation/HydrographicSurveys/>

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

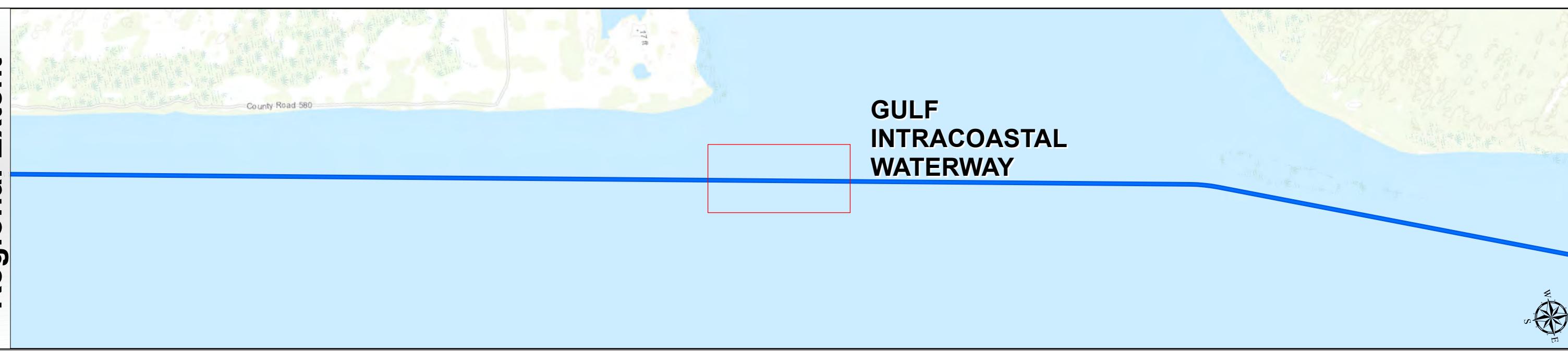
Hydrographic Survey Extent
0      170      340      680 Feet

# Gulf Intracoastal Waterway: South Bird Island to Light 175

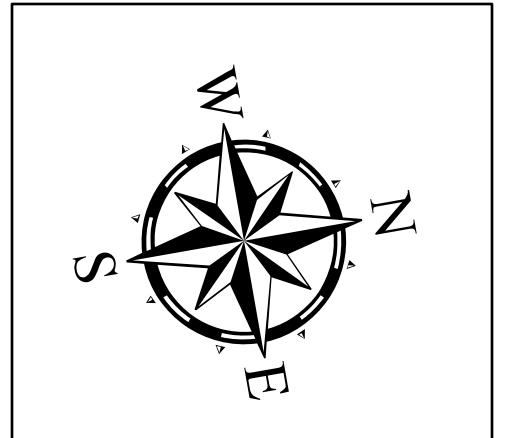


U.S. Army Corps of Engineers  
Galveston District

## Regional Extent



Latest Survey Collection Date:	20 February 2024	Authorized Depth:	-1.3ft.
Document Page:	19 of 27	Side Slope Ratio:	(Rise : Run)
Website Index Number:	240	PDF Print Date:	3/7/2024
Mapped by:	M3AOXPAC		Additional Imagery info:



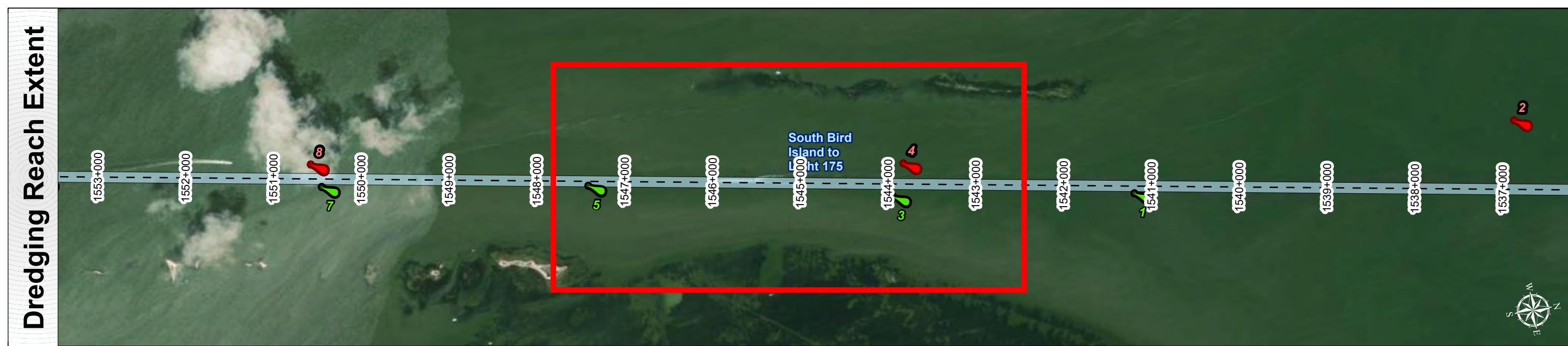
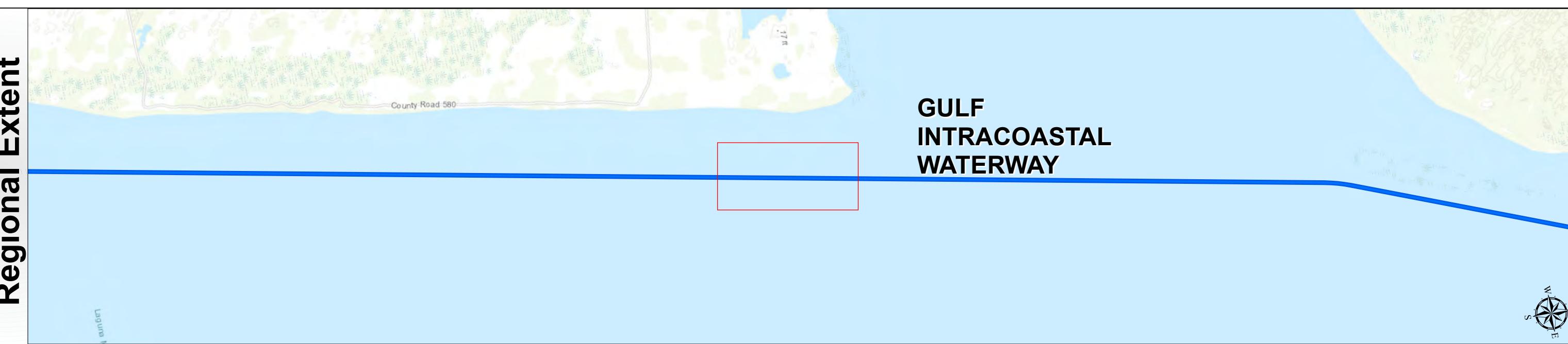
**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS  
Station: 1459+000 to 1591+500  
GULF INTRACOASTAL WATERWAY  
South Bird Island to Light 175

Channel Features	Aids to Navigation	NOTES:	Additional Combined Survey Dates and Stationing: COMB_SURV_INFO_HERE	Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet Projection: Lambert Conformal Conic																
<ul style="list-style-type: none"> <li>--- Channel Center Line</li> <li>— Channel Toe</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>	<p>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 er1110-1-8152.</p> <p>The surveyor certifies the data contained in this document to be true and accurate to the best of his knowledge and belief, the surveyor having due regard to safety of life and property, and to cheating events. A prudent mariner should not rely exclusively on the information provided here. Required by 33 CFR 209.325.</p> <p>For the most up to date information please check our website at: <a href="http://www.swg.usace.army.mil/Missions/Navigation/HydrographicSurveys/">http://www.swg.usace.army.mil/Missions/Navigation/HydrographicSurveys/</a></p> <p>Service Layer Credits: Texas Parks &amp; Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA World_Imagery: Maxar, Microsoft World_Imagery: Maxar</p>		<p>Dredging Reach Extent</p> <table border="1"> <tr> <td>0</td> <td>0.2</td> <td>0.4</td> <td>0.8</td> </tr> <tr> <td>0</td> <td>0.2</td> <td>0.4</td> <td>Miles</td> </tr> </table> <p>Hydrographic Survey Extent</p> <table border="1"> <tr> <td>0</td> <td>170</td> <td>340</td> <td>680</td> </tr> <tr> <td>0</td> <td>170</td> <td>340</td> <td>Feet</td> </tr> </table>	0	0.2	0.4	0.8	0	0.2	0.4	Miles	0	170	340	680	0	170	340	Feet
0	0.2	0.4	0.8																	
0	0.2	0.4	Miles																	
0	170	340	680																	
0	170	340	Feet																	

# Gulf Intracoastal Waterway: South Bird Island to Light 175



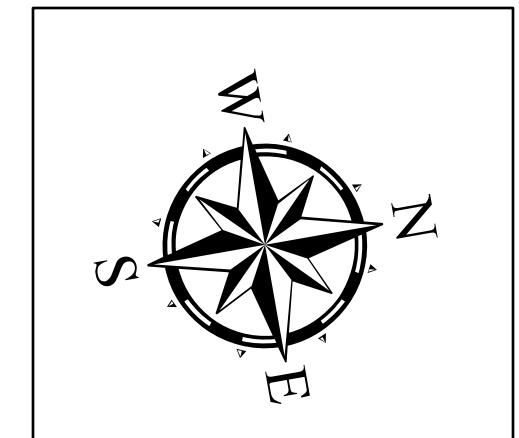
Regional Extent



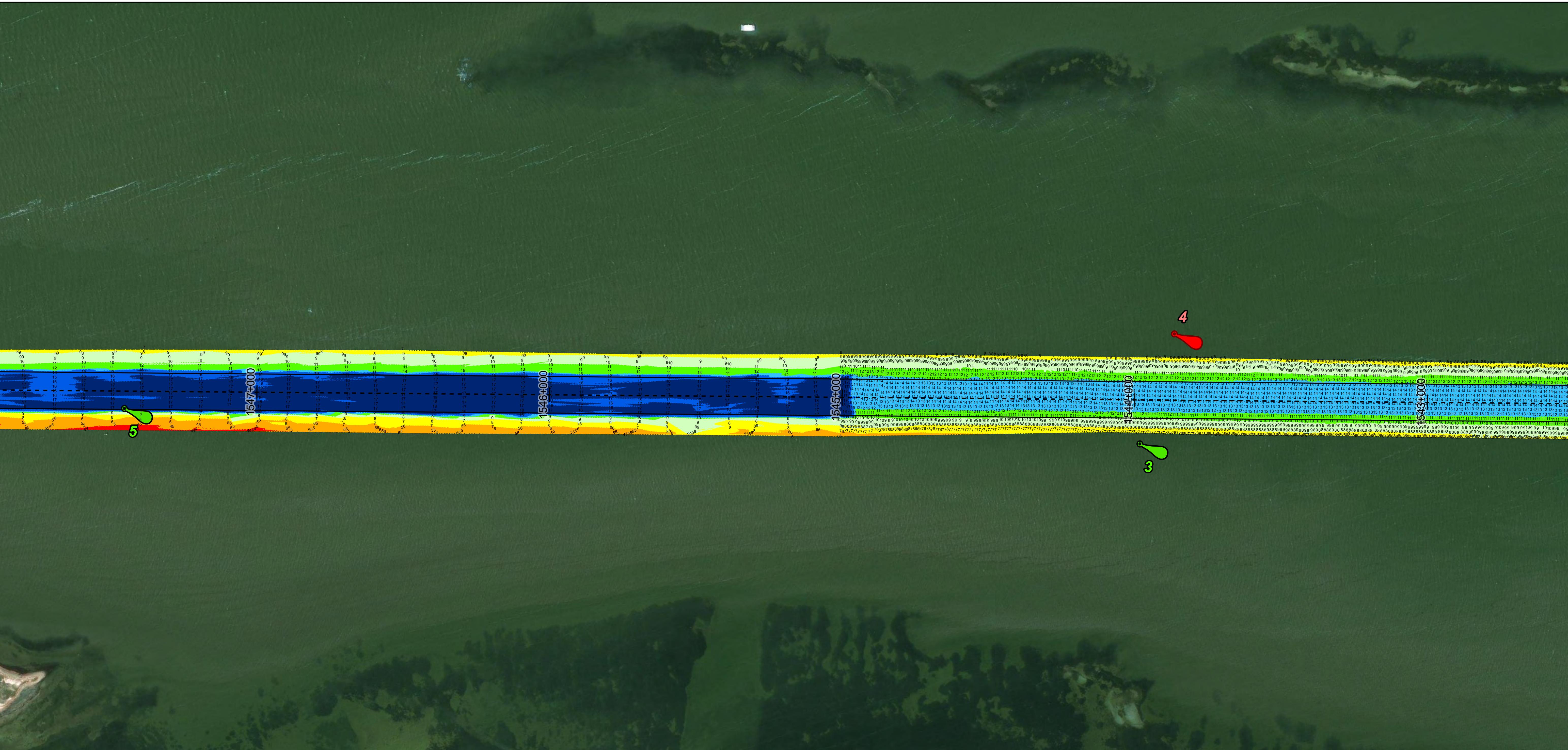
Latest Survey Collection Date:	20 February 2024	Authorized Depth: -13ft.
Document Page:	20 of 27	Side Slope Ratio: (Rise : Run)
Website Index Number:	241	PDF Print Date: 3/7/2024

Mapped by: M3AOXPAC

Additional Imagery info:



**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS  
Station: 1459+000 to 1591+500  
GULF INTRACOASTAL WATERWAY  
South Bird Island to Light 175



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

NOTES:  
1. Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.  
2. Elevation are referenced to mean lower low tide (MLLW) datum.  
3. This project was designed by the galveston district of the u.s. army corps of engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by er1110-1-8152.  
4. The information contained in this document is provided for reference purposes only and is not to be relied upon for engineering or surveying purposes. The data indicated and contained may be considered as indicating the general conditions existing at that time. These conditions are subject to rapid change due to shoaling events. A prudent mariner should not rely exclusively on the information provided here. Required by 33 CFR 209.325.  
5. For the most up to date information please check our website at: <http://www.swg.usace.army.mil/Missions/Navigation/HydrographicSurveys/>

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

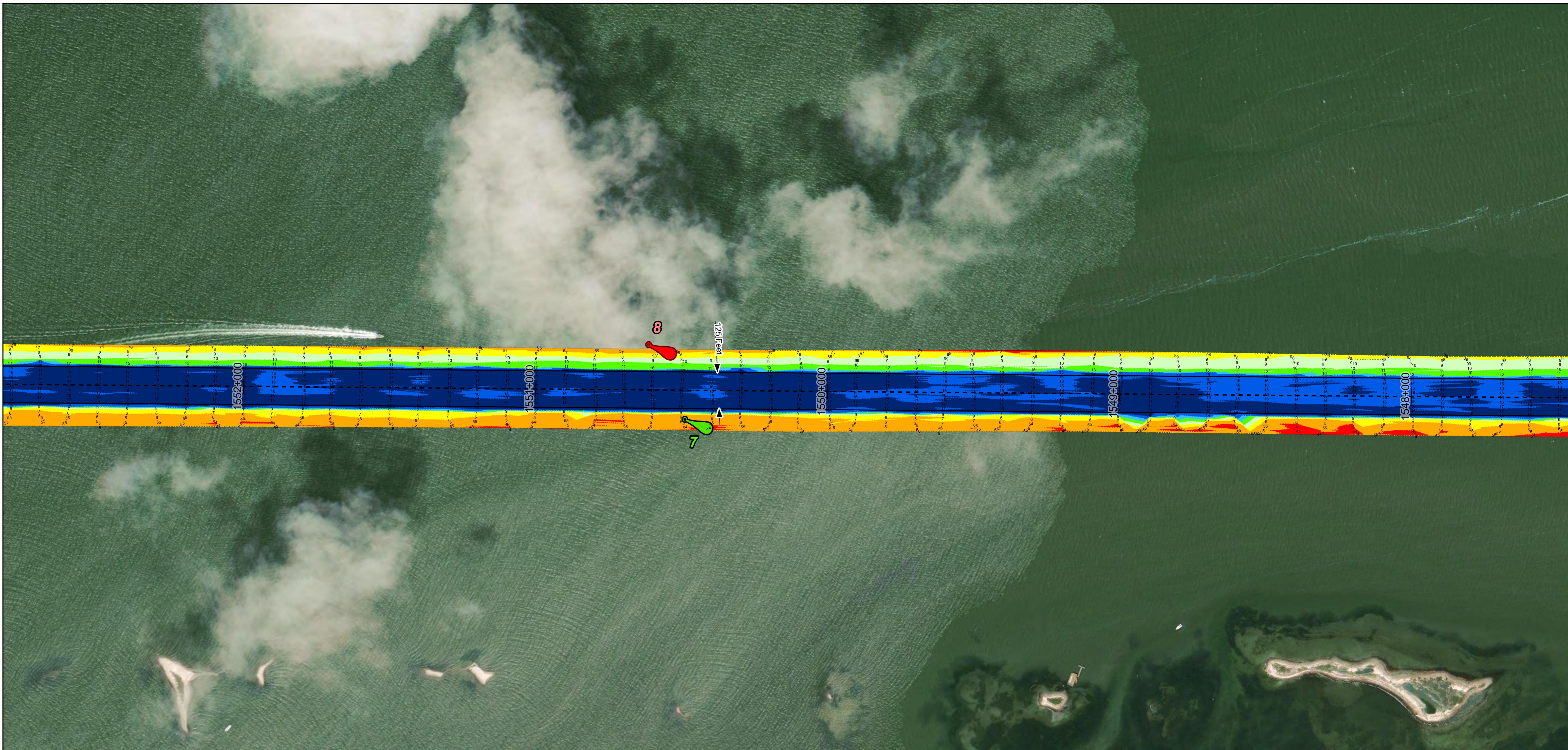
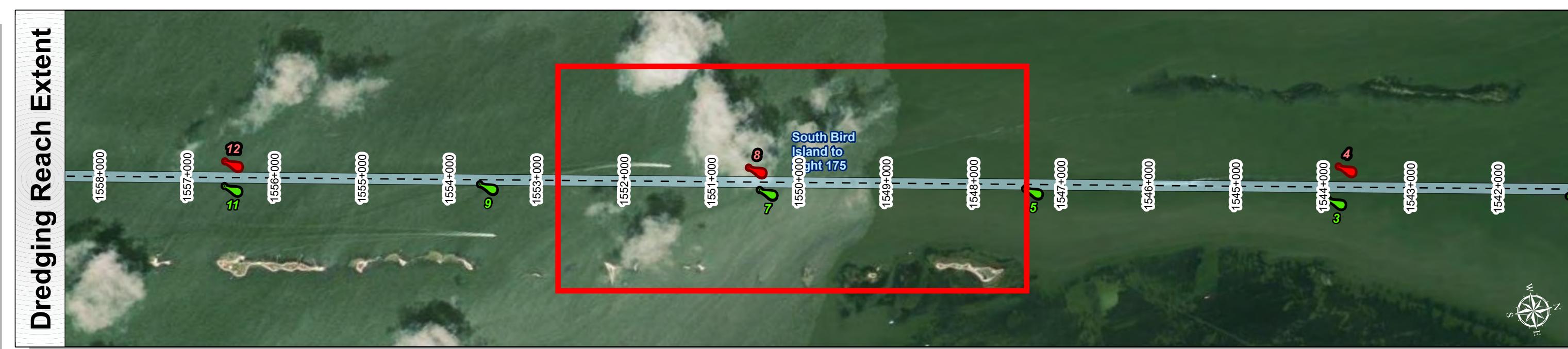
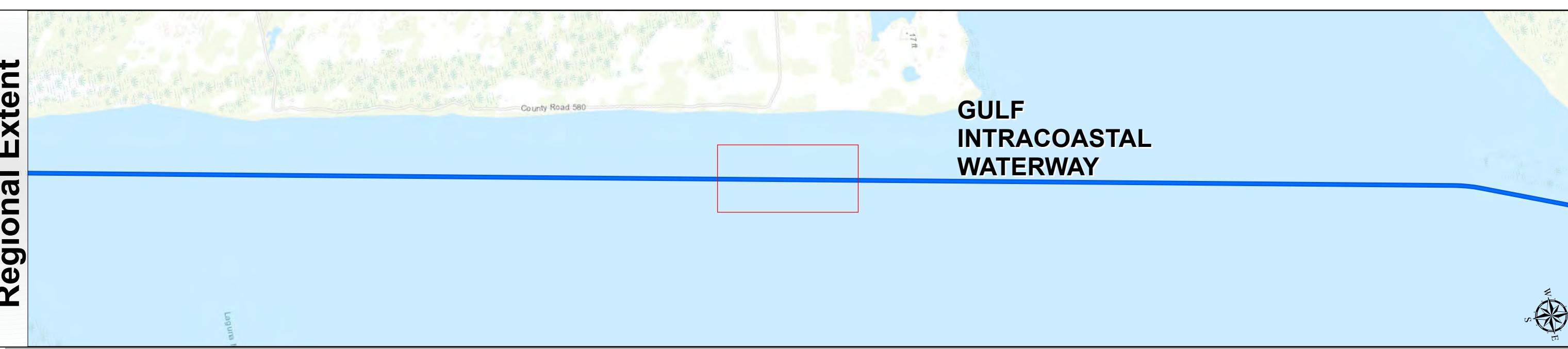
# Gulf Intracoastal Waterway: South Bird Island to Light 175



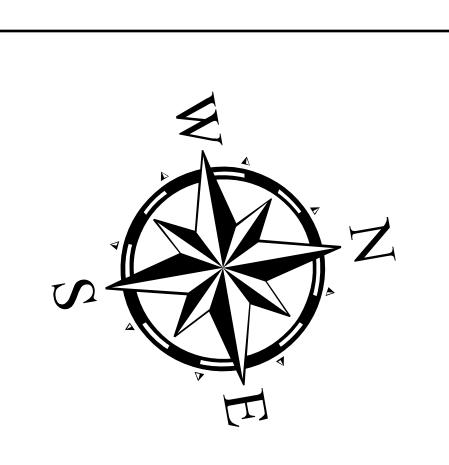
U.S. Army Corps of Engineers  
Galveston District



Regional Extent



Authorized Depth: -13ft.	Side Slope Ratio: (Rise : Run)
PDF Print Date: 3/7/2024	



**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS  
Station: 1459+000 to 1591+500  
GULF INTRACOASTAL WATERWAY  
South Bird Island to Light 175

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

NOTES:  
1. Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.  
2. Elevation are referenced to mean lower low tide (MLLW) datum.  
3. This project was designed by the galveston district of the u.s. army corps of engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by er1110-1-8152.  
4. The information contained in these documents is provided as a reference only and is not to be relied upon for navigation or other purposes. The data indicated and is only to be considered as indicating the general conditions existing at that time. These conditions are subject to rapid change due to shoaling processes. A prudent mariner should not rely exclusively on the information provided here. Required by 33 CFR 209.325.  
5. For the most up to date information please check our website at: <http://www.swg.usace.army.mil/Missions/Navigation/HydrographicSurveys/>

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

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

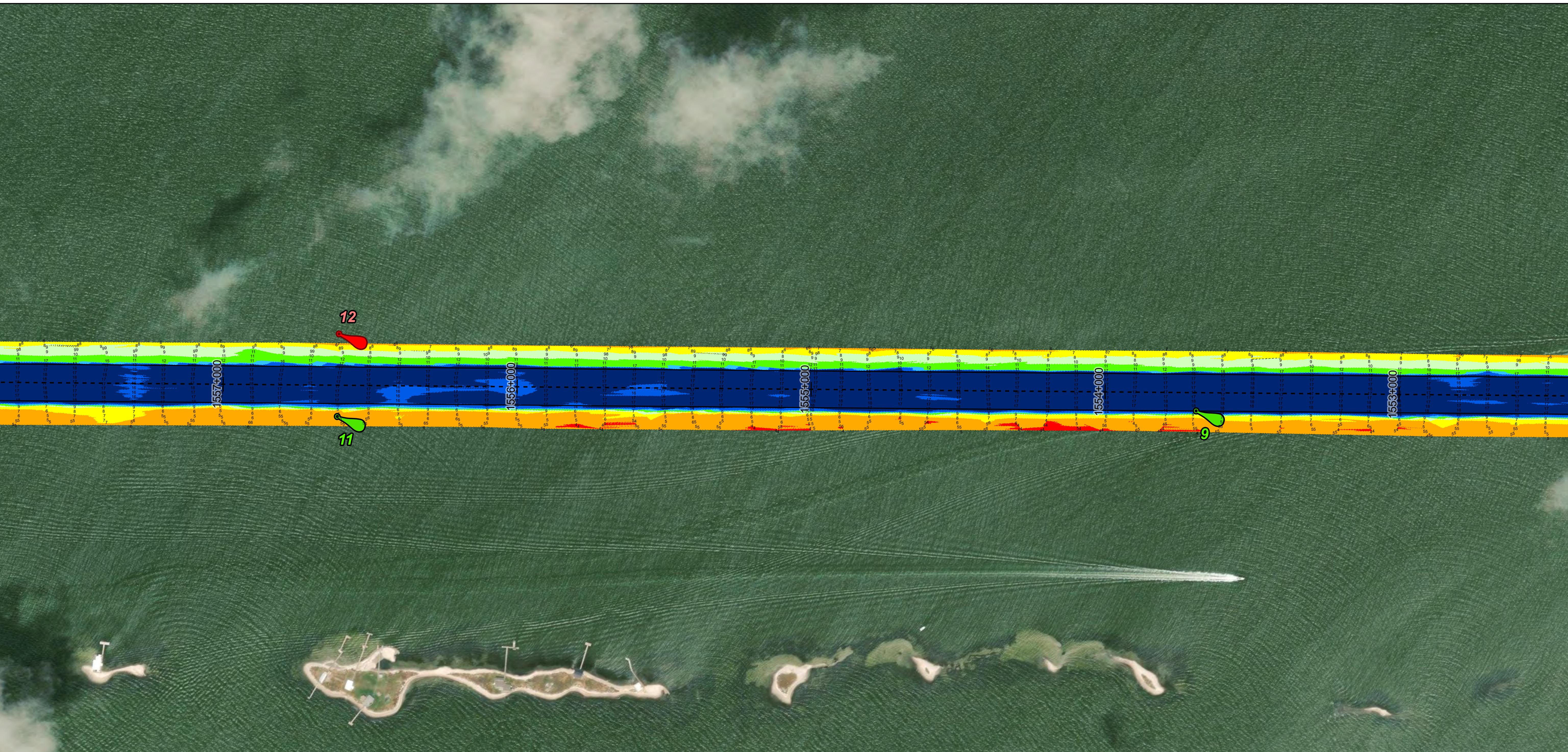
# Gulf Intracoastal Waterway: South Bird Island to Light 175



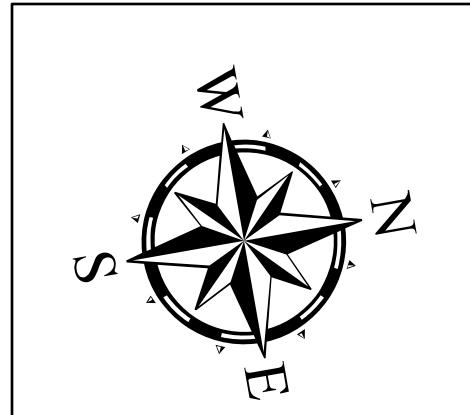
U.S. Army Corps of Engineers  
Galveston District



## Regional Extent

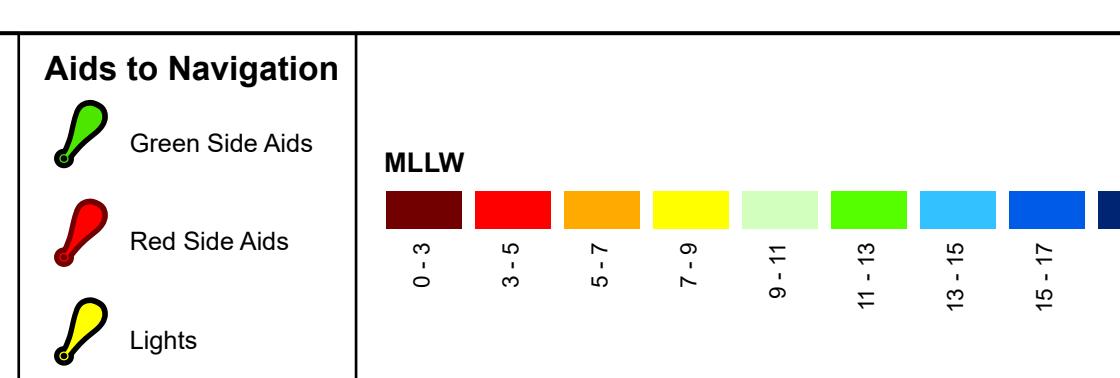


Latest Survey Collection Date:	20 February 2024	Authorized Depth: -13ft.
Document Page:	14 of 27	Side Slope Ratio: (Rise : Run)
	Website Index Number: 243	PDF Print Date: 3/7/2024
		Mapped by: M3AOXPAC
		Additional Imagery info:



**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS  
**Station: 1459+000 to 1591+500**  
**GULF INTRACOASTAL WATERWAY**  
South Bird Island to Light 175

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



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

4. The information contained in this document is provided for the sole purpose of the project and is not to 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

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

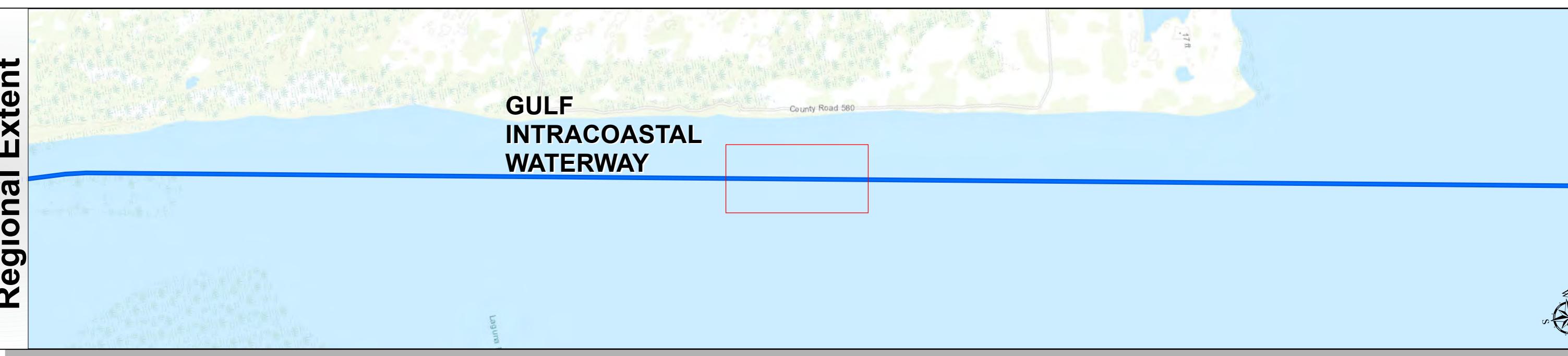
# Gulf Intracoastal Waterway: South Bird Island to Light 175



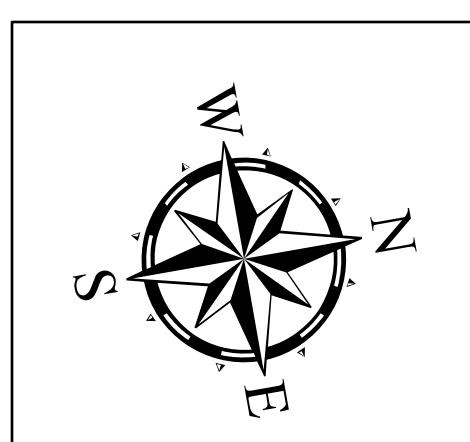
U.S. Army Corps of Engineers  
Galveston District



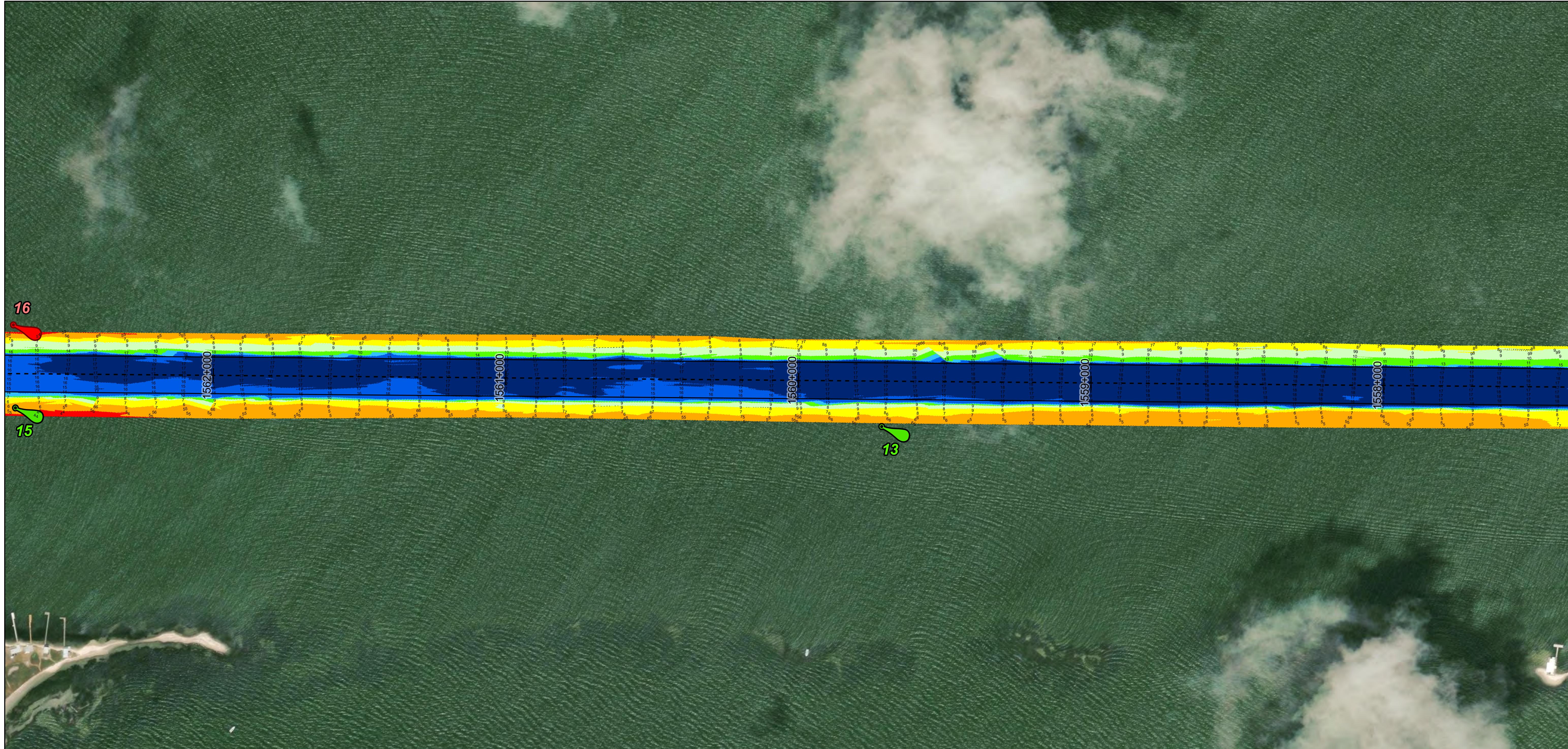
## Regional Extent



Latest Survey Collection Date:	20 February 2024	Authorized Depth: -13ft.
Document Page:	16 of 27	Side Slope Ratio: (Rise : Run)
		PDF Print Date: 3/7/2024



**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS  
Station: 1459+000 to 1591+500  
GULF INTRACOASTAL WATERWAY  
South Bird Island to Light 175



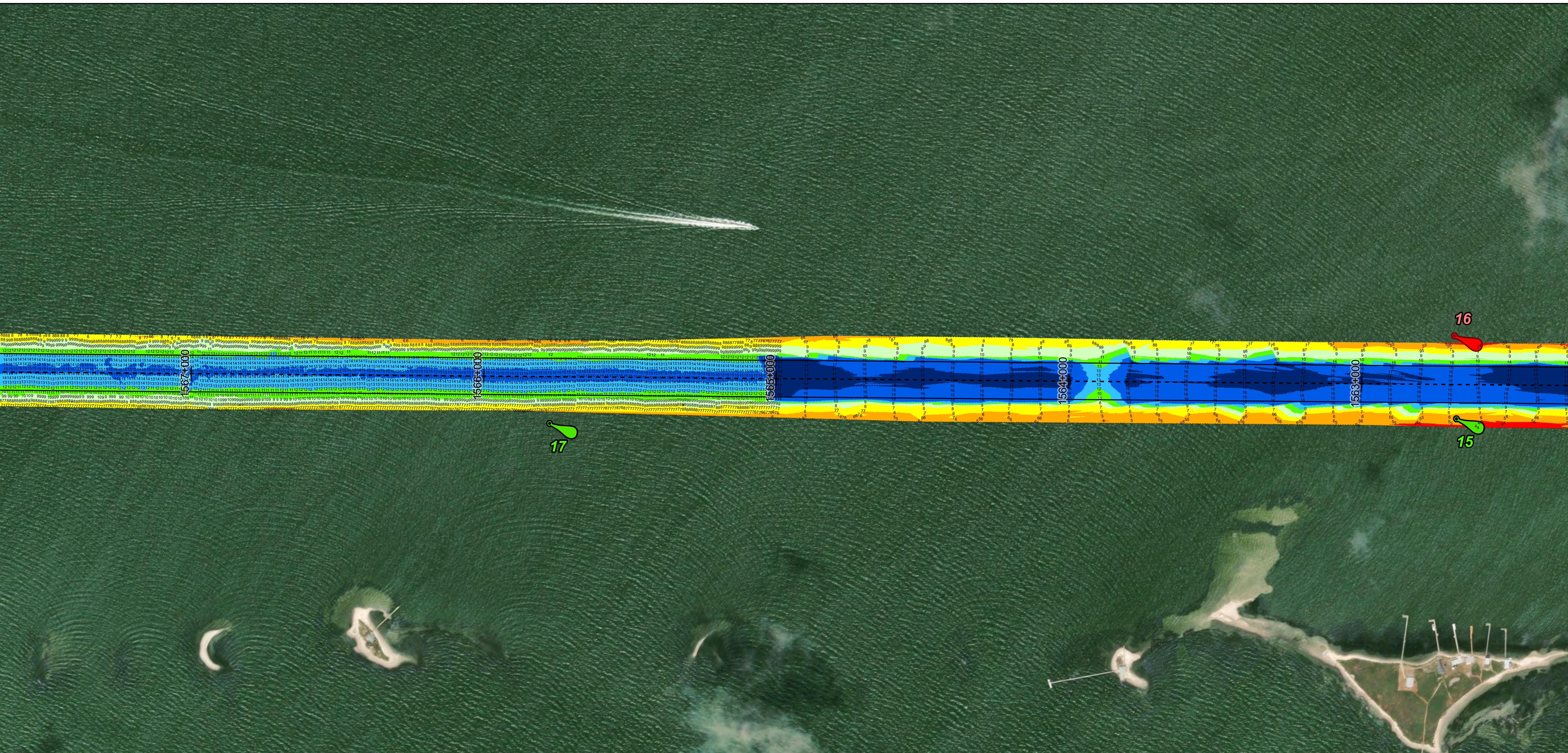
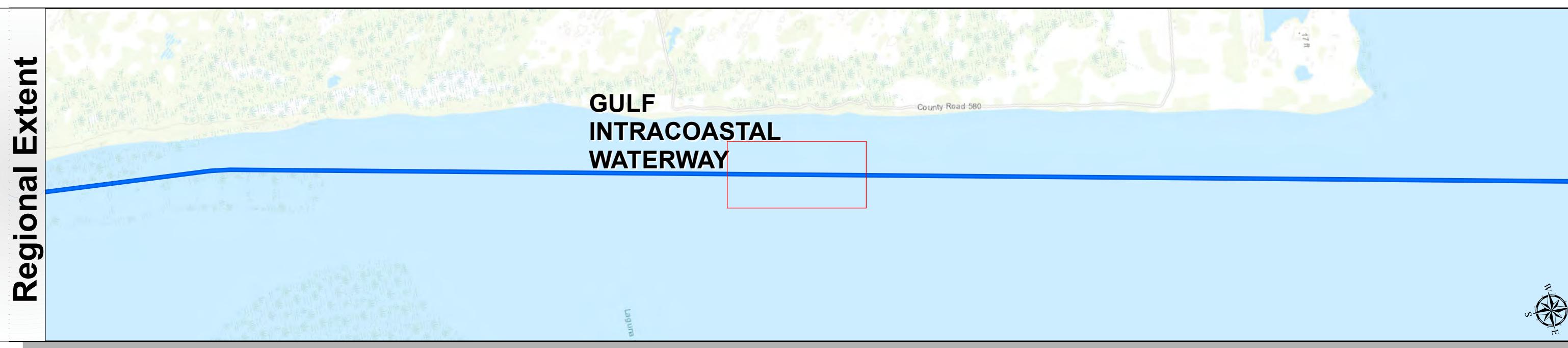
# Gulf Intracoastal Waterway: South Bird Island to Light 175



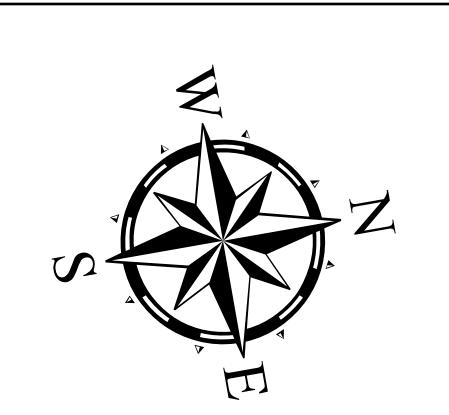
U.S. Army Corps of Engineers  
Galveston District



## Regional Extent



Latest Survey Collection Date:	20 February 2024
Document Page:	22 of 27
Website Index Number:	245
Scale:	1:12,000
Mapped by:	M3AOXPAC
Additional Imagery Info:	



HYDROGRAPHIC SURVEY	
U.S. ARMY ENGINEER DISTRICT	CORPS OF ENGINEERS
Galveston, Texas	GULF INTRACOASTAL WATERWAY
Station: 1459+000 to 1591+500	South Bird Island to Light 175

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

NOTES:  
 1. Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.  
 2. Elevation are referenced to mean lower low tide (MLLW) datum.  
 3. This project was designed by the galveston district of the u.s. army corps of engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by er1110-1-8152.  
 4. This document contains neither recommendations nor conclusions of the U.S. Army Corps of Engineers. It is the intent of the U.S. Army Corps of Engineers to make the data indicated and contained herein 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 herein. Required by 33 CFR 209.325.  
 5. For the most up to date information please check our website at: <http://www.swg.usace.army.mil/Missions/Navigation/HydrographicSurveys/>

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



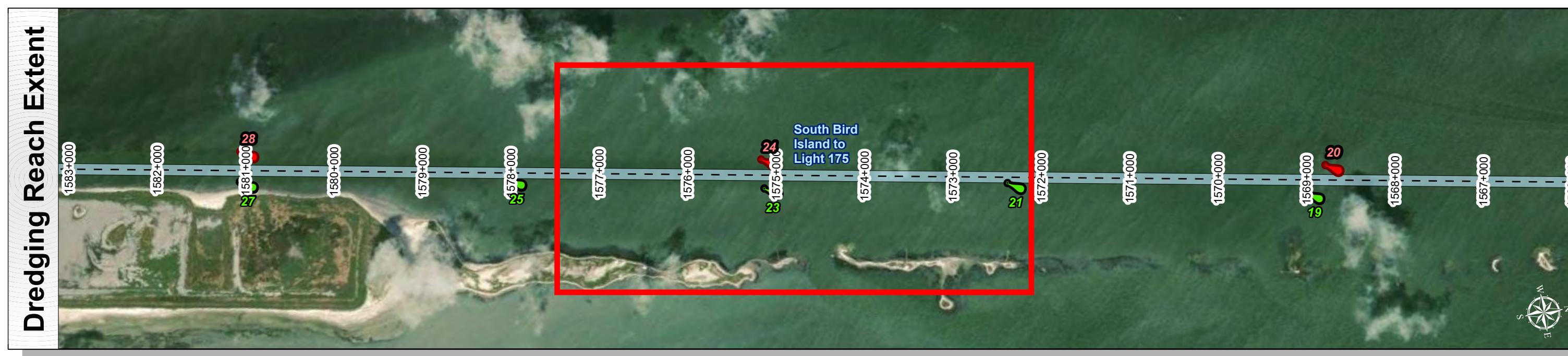
# Gulf Intracoastal Waterway: South Bird Island to Light 175



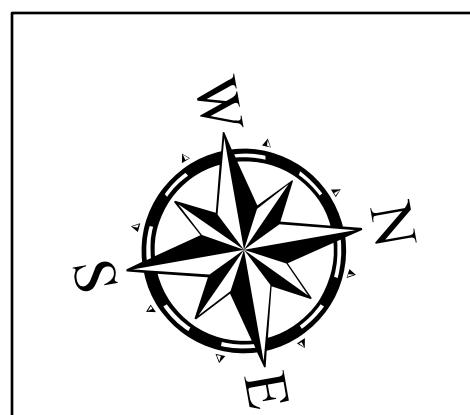
U.S. Army Corps of Engineers  
Galveston District



## Regional Extent



Latest Survey Collection Date:	20 February 2024	Authorized Depth: -13ft.
Document Page:	24 of 27	Side Slope Ratio: (Rise : Run)
Website Index Number:	247	PDF Print Date: 3/7/2024
Mapped by:	M3AOXPAC	Additional Imagery info:



HYDROGRAPHIC SURVEY	
U.S. ARMY ENGINEER DISTRICT	Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
CORPS OF ENGINEERS	Projection: Lambert Conformal Conic
GALVESTON, TEXAS	Dredging Reach Extent

Channel Features
-- Channel Center Line
— Channel Toe
↔ 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. Elevation 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 er110-1-8152.  
4. The information contained in these documents is provided as a reference. The dates indicated and may 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

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

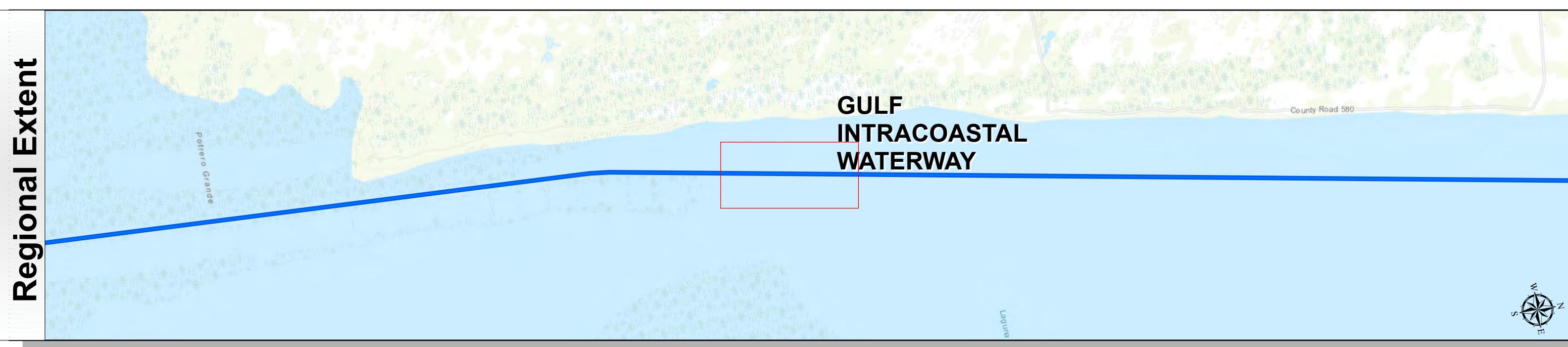
# Gulf Intracoastal Waterway: South Bird Island to Light 175



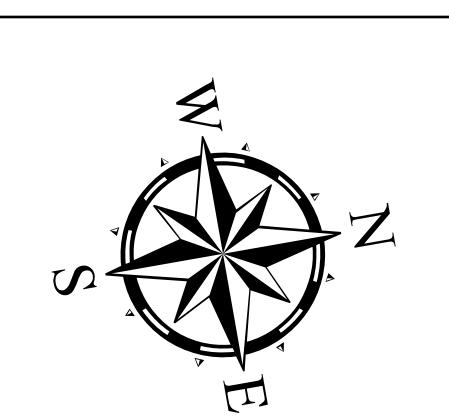
U.S. Army Corps of Engineers  
Galveston District



## Regional Extent



Latest Survey Collection Date:	20 February 2024	Authorized Depth: -13ft.
Document Page:	25 of 27	Side Slope Ratio: (Rise : Run)
	Website Index Number: 248	PDF Print Date: 3/7/2024
		Mapped by: M3AOXPAC



HYDROGRAPHIC SURVEY	
U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS GALVESTON, TEXAS	Projection: Lambert Conformal Conic
Station: 1459+000 to 1591+500 GULF INTRACOASTAL WATERWAY South Bird Island to Light 175	Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
	Dredging Reach Extent 0 0.2 0.4 0.8 Miles

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

NOTES:  
1. Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.  
2. Elevation 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 er110-1-8152.

4. This document contains neither recommendations nor conclusions of the u.s. army corps of engineers. It is the intent of the u.s. army corps of engineers that this document be used as a reference and not 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

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

# Gulf Intracoastal Waterway: South Bird Island to Light 175



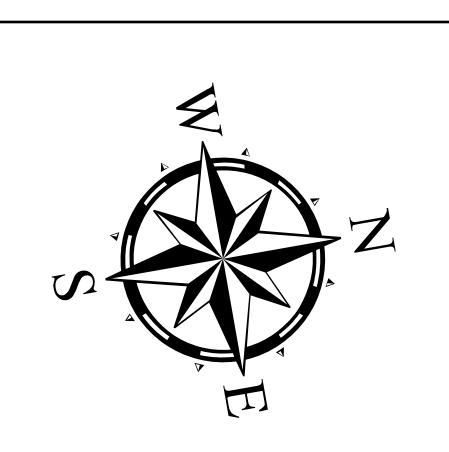
U.S. Army Corps of Engineers  
Galveston District



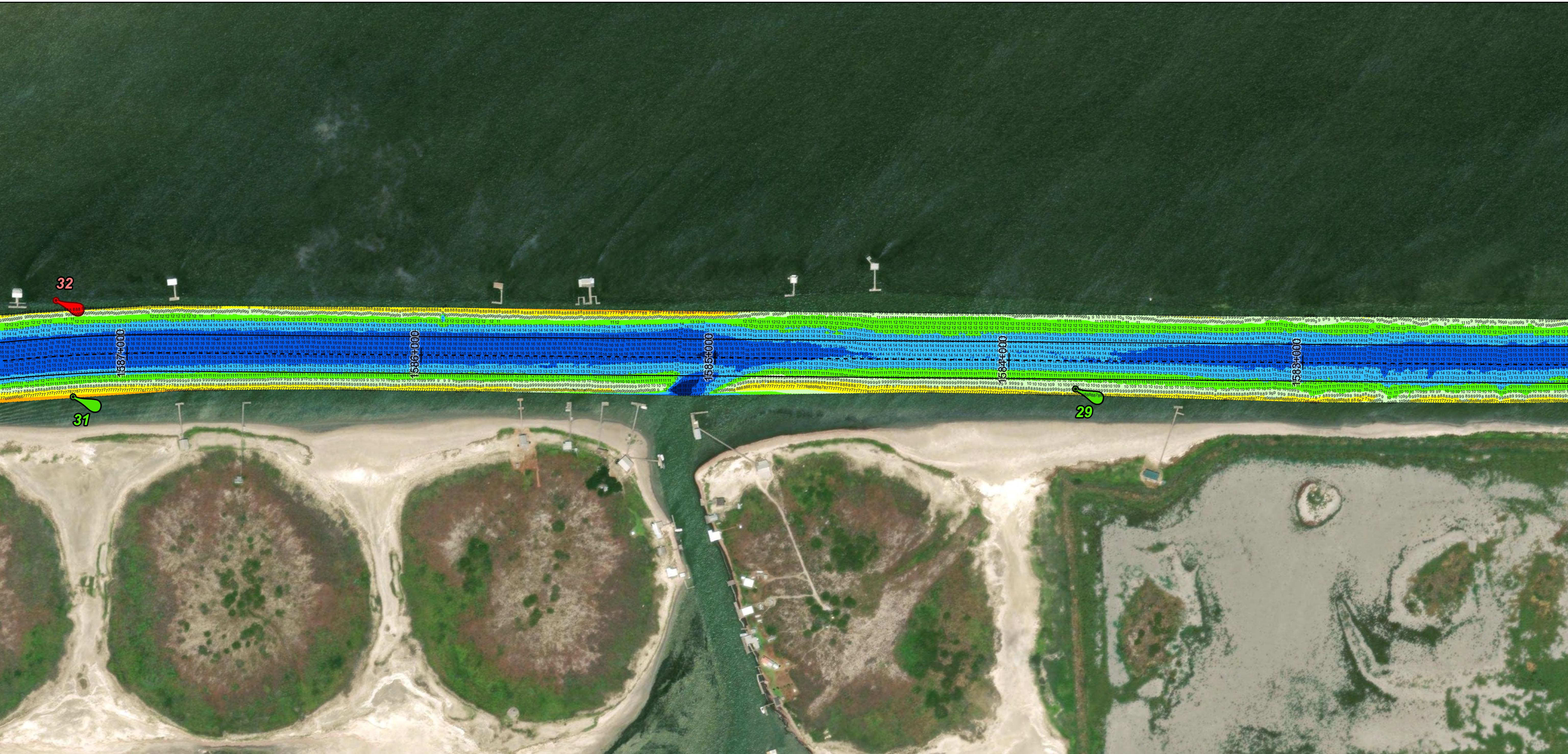
Regional Extent



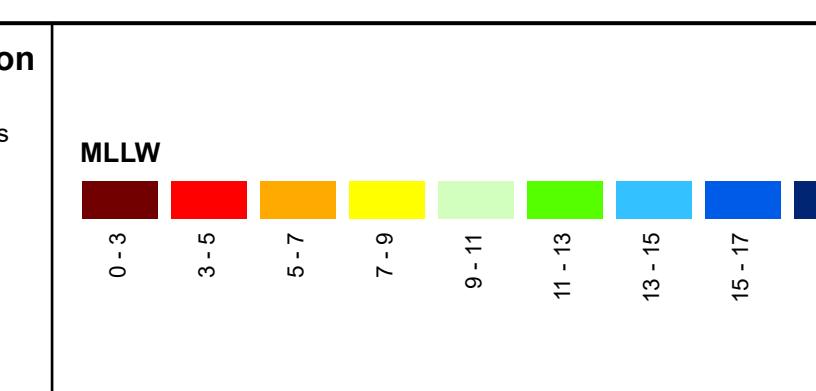
Latest Survey Collection Date:	20 February 2024	Authorized Depth: -13ft.
Document Page:	26 of 27	Side Slope Ratio: (Rise : Run)
	Website Index Number: 249	PDF Print Date: 3/7/2024



HYDROGRAPHIC SURVEY	
U.S. ARMY ENGINEER DISTRICT	Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
CORPS OF ENGINEERS	Projection: Lambert Conformal Conic
GALVESTON, TEXAS	Station: 1459+000 to 1591+500
South Bird Island to Light 175	GULF INTRACOASTAL WATERWAY



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



NOTES:

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

2. Elevation are referenced to mean lower low tide (MLLW) datum.

3. This project was designed by the galveston district of the u.s. army corps of engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by er1110-1-8152.

4. These documents represent the engineering judgment of the u.s. army corps of engineers. The data indicated and used 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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World\_Imagery: Maxar, Microsoft

World\_Imagery: Maxar

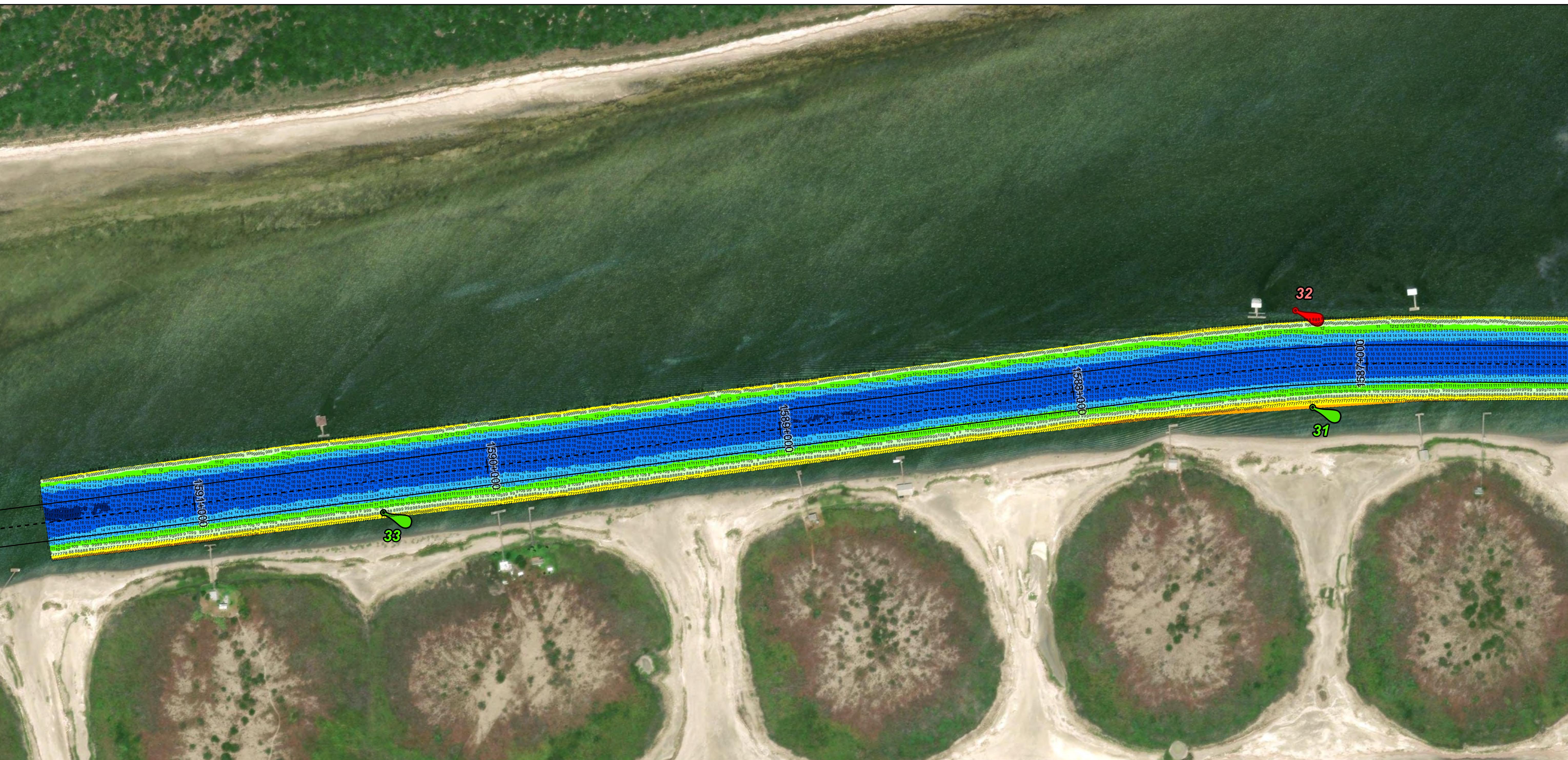
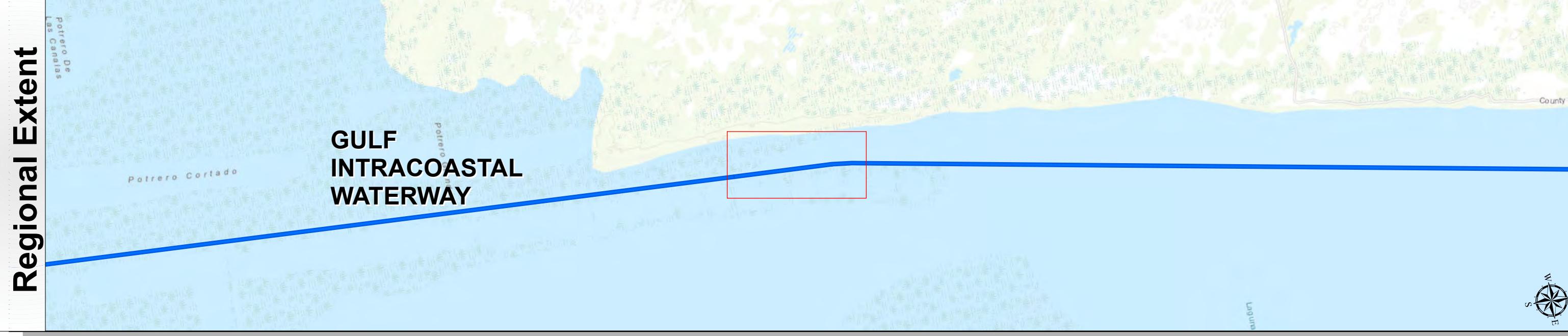
Additional Combined Survey Dates and Stationing:  
COMB\_SURV\_INFO\_HERE

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

# Gulf Intracoastal Waterway: South Bird Island to Light 175



Channel Features	Aids to Navigation										
 Channel Center Line  Channel Toe  Channel Dimensions	 Green Side Aids  Red Side Aids  Lights	<b>MLLW</b> <table border="1" data-bbox="884 4248 1479 4317"> <tr> <td data-bbox="884 4248 974 4317">0 - 3</td> <td data-bbox="974 4248 1071 4317">3 - 5</td> <td data-bbox="1071 4248 1161 4317">5 - 7</td> <td data-bbox="1161 4248 1251 4317">7 - 9</td> <td data-bbox="1251 4248 1347 4317">9 - 11</td> <td data-bbox="1347 4248 1437 4317">11 - 13</td> <td data-bbox="1437 4248 1527 4317">13 - 15</td> <td data-bbox="1527 4248 1617 4317">15 - 17</td> <td data-bbox="1617 4248 1631 4317">&lt; 17</td> </tr> </table>	0 - 3	3 - 5	5 - 7	7 - 9	9 - 11	11 - 13	13 - 15	15 - 17	< 17
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 designator er1110-1-8152.
4. The information depicted on this survey map represents the results of surveys made on the dates indicated and can only be considered as to shoaling events. A prudent mariner should not rely exclusively on the information provided here. Required by 33 cfr 209.325
5. For the most up to date information please check our website at: <http://www.swg.usace.army.mil/Missions/Navigation/HydrographicSurveys>

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



A horizontal scale bar for the Dredging Reach Extent. It features a thick black line with tick marks at 0, 0.2, 0.4, and 0.8 miles. The text "Miles" is positioned to the right of the scale bar.

0      0.2      0.4      0.8  
Miles

Hydrographic Survey Extent



A horizontal scale bar for the Hydrographic Survey Extent. It features a thick black line with tick marks at 0, 170, 340, and 680 feet. The text "Feet" is positioned to the right of the scale bar.

0      170      340      680  
Feet

HYDROGRAPHIC SURVEY

**HYDROGRAPHIC SURVEY**

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

**Station: 1459+000 to 1591+500**  
**ULF INTRACOASTAL WATERWAY**  
South Bird Island to Light 175