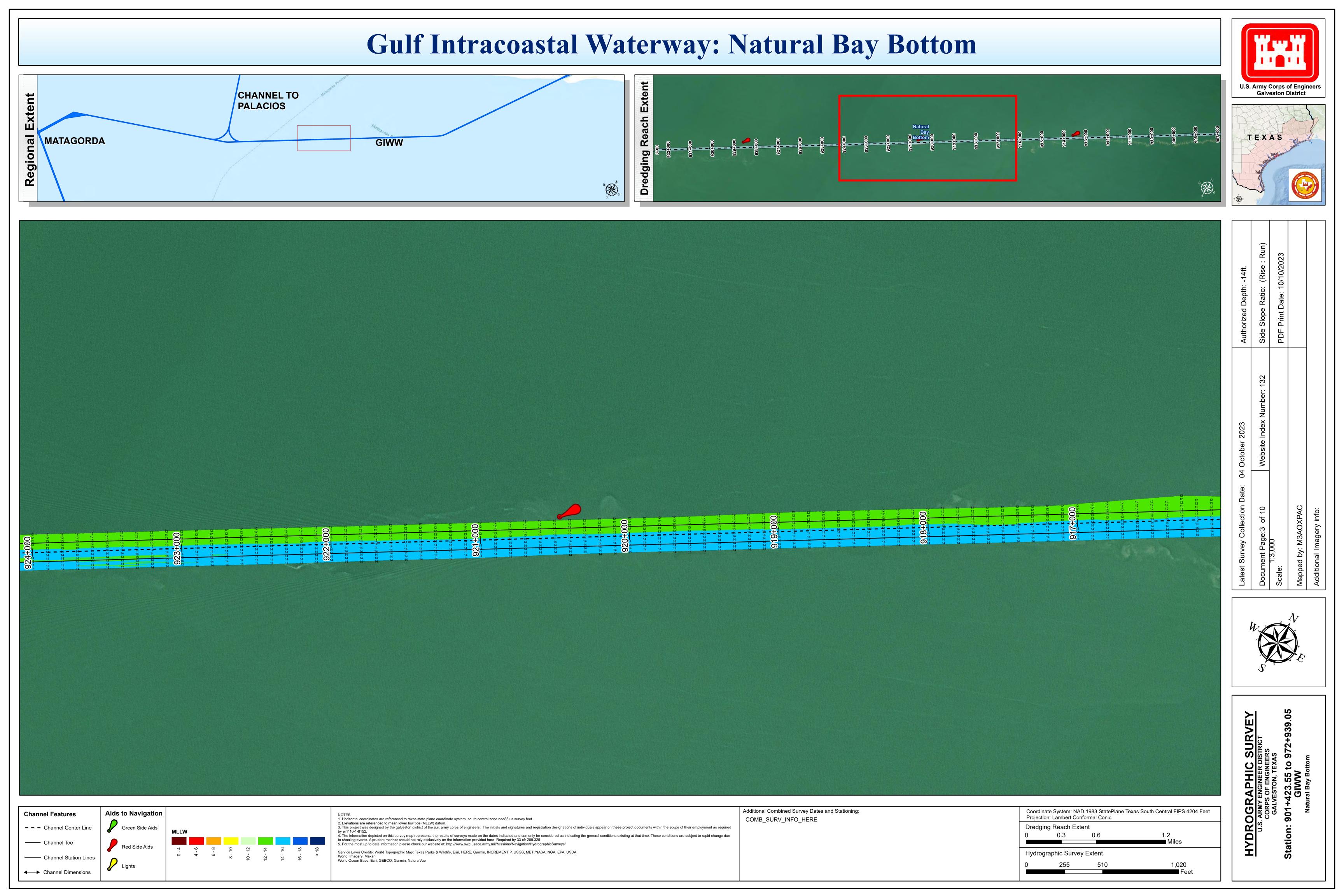
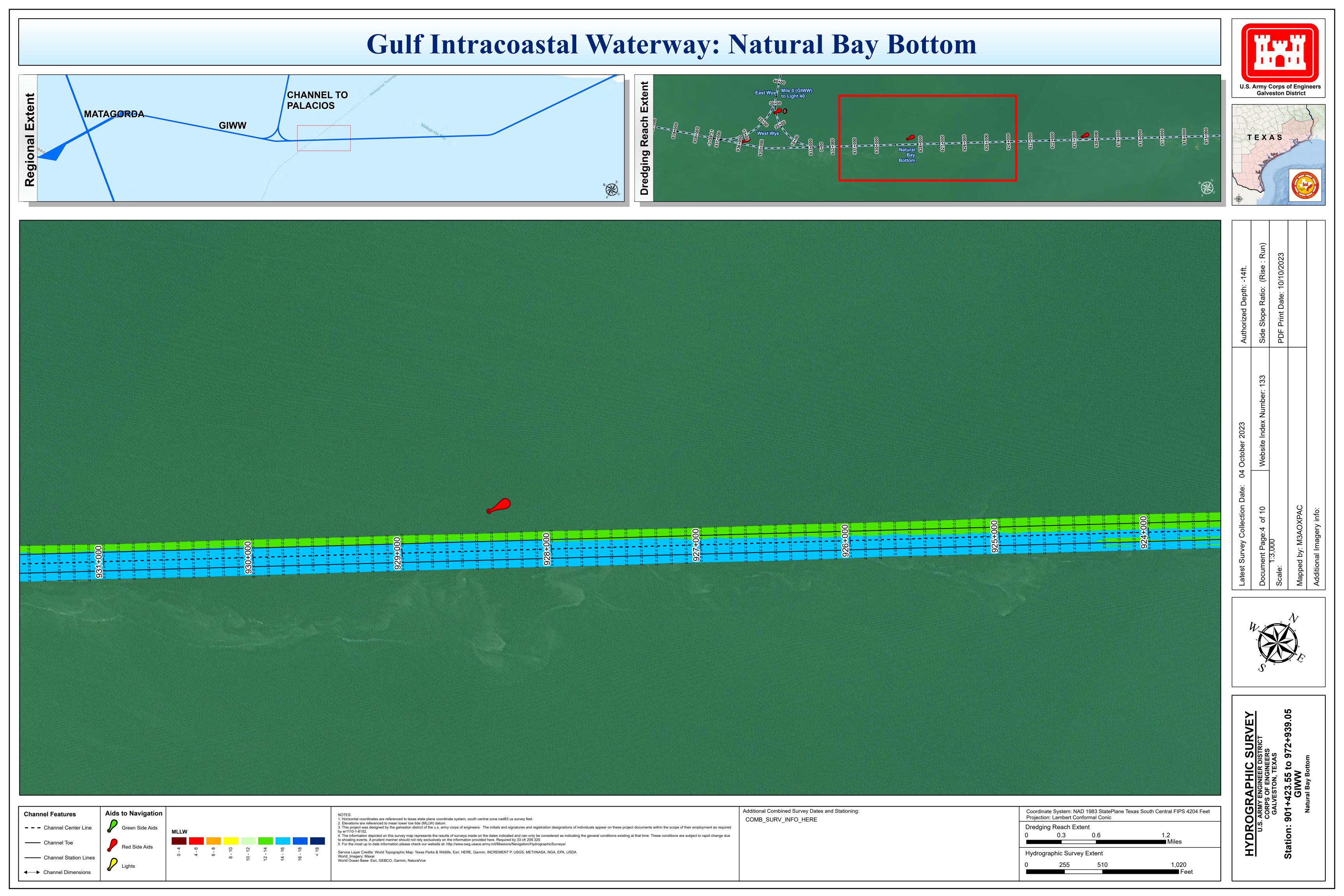


## Gulf Intracoastal Waterway: Natural Bay Bottom CHANNEL TO PALACIOS TEXAS HYDROGRAPHIC S U.S. ARMY ENGINEER DIS CORPS OF ENGINEER GALVESTON, TEXAS Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet Projection: Lambert Conformal Conic Additional Combined Survey Dates and Stationing: **Aids to Navigation Channel Features** COMB\_SURV\_INFO\_HERE 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. **Dredging Reach Extent** 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. – – Channel Center Line Fig. 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 shoaling events. A prudent mariner should not rely exclusively on the information provided here. Required by 33 cfr 209.325 — Channel Toe 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 World Ocean Base: Esri, GEBCO, Garmin, NaturalVue Hydrographic Survey Extent —— Channel Station Lines 1,020 Lights **←** Channel Dimensions





## Gulf Intracoastal Waterway: Natural Bay Bottom CHANNEL TO PALACIOS MATAGORDA GIWW TEXAS HYDROGRAPHIC S U.S. ARMY ENGINEER DISTORNATION TEXAS GALVESTON, TEXAS Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet Projection: Lambert Conformal Conic Additional Combined Survey Dates and Stationing: **Aids to Navigation Channel Features** COMB\_SURV\_INFO\_HERE 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. Dredging Reach Extent 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. - - Channel Center Line Fig. 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 shoaling events. A prudent mariner should not rely exclusively on the information provided here. Required by 33 cfr 209.325 — Channel Toe 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 World Ocean Base: Esri, GEBCO, Garmin, NaturalVue Hydrographic Survey Extent —— Channel Station Lines 1,020 ← Channel Dimensions

### Gulf Intracoastal Waterway: Natural Bay Bottom CHANNEL TO PALACIOS MATAGORDA GIWW TEXAS HYDROGRAPHIC SURVEY U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS GALVESTON, TEXAS Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet Projection: Lambert Conformal Conic Additional Combined Survey Dates and Stationing: **Aids to Navigation Channel Features** COMB\_SURV\_INFO\_HERE 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 er1110-1-8152. Dredging Reach Extent - - Channel Center Line Green Side Aids Fig. 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 shoaling events. A prudent mariner should not rely exclusively on the information provided here. Required by 33 cfr 209.325 — Channel Toe 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 World Ocean Base: Esri, GEBCO, Garmin, NaturalVue Hydrographic Survey Extent —— Channel Station Lines 1,020 ← Channel Dimensions

# Gulf Intracoastal Waterway: Natural Bay Bottom CHANNEL TO PALACIOS MATAGORDA GIWW TEXAS

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

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

Additional Combined Survey Dates and Stationing:

COMB\_SURV\_INFO\_HERE

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

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

**Aids to Navigation** 

Lights

**Channel Features** 

—— Channel Toe

- - Channel Center Line

—— Channel Station Lines

**←** Channel Dimensions

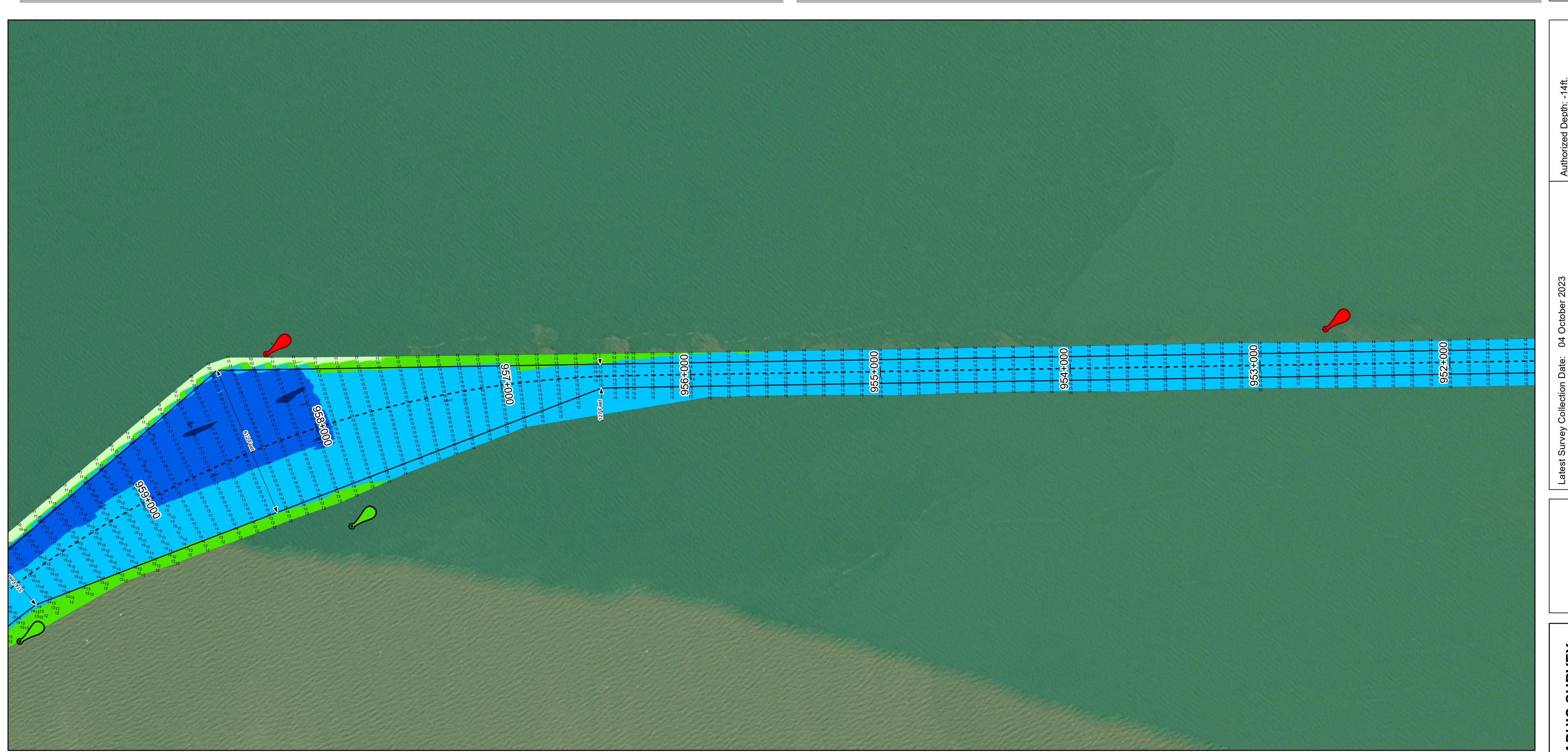
Hydrographic Survey Extent 1,020

## Gulf Intracoastal Waterway: Natural Bay Bottom









**Channel Features** – – Channel Center Line —— Channel Toe

—— Channel Station Lines ← Channel Dimensions

**Aids to Navigation** 

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.

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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 World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

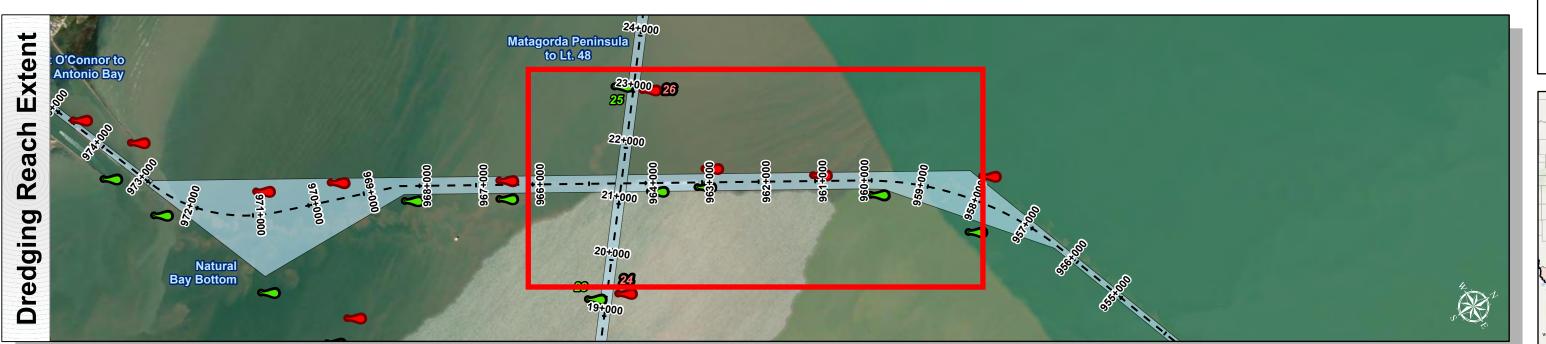
Additional Combined Survey Dates and Stationing: COMB\_SURV\_INFO\_HERE

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet Projection: Lambert Conformal Conic Dredging Reach Extent Hydrographic Survey Extent

HYDROGRAPHIC S U.S. ARMY ENGINEER DIS CORPS OF ENGINEER GALVESTON, TEXAS

### Gulf Intracoastal Waterway: Natural Bay Bottom











HYDROGRAPHIC S

U.S. ARMY ENGINEER DIS

CORPS OF ENGINEER

GALVESTON, TEXAS

**Channel Features** 

**- - -** Channel Center Line — Channel Toe —— Channel Station Lines ← Channel Dimensions

Aids to Navigation Green Side Aids Lights

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.

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

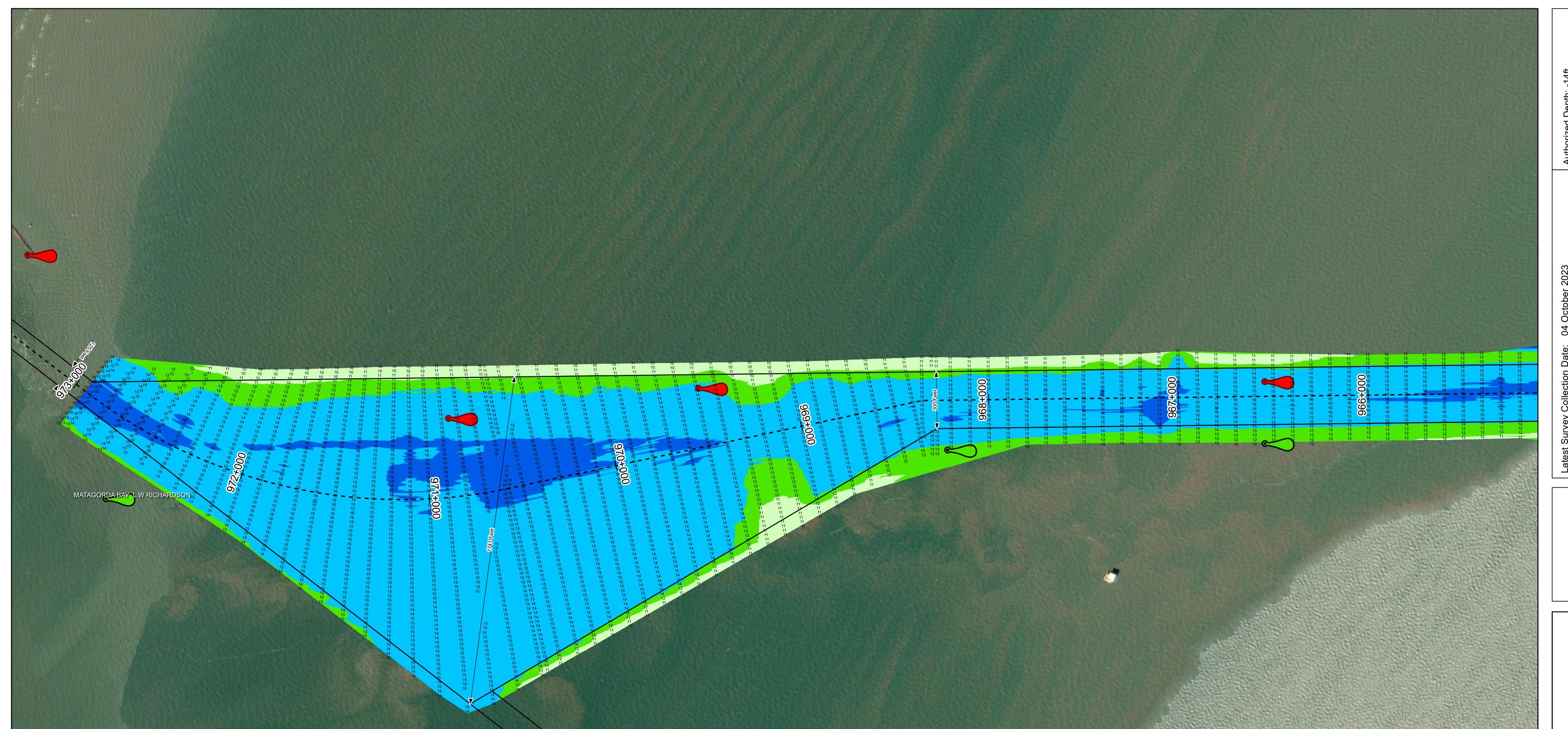
Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet Projection: Lambert Conformal Conic Dredging Reach Extent Hydrographic Survey Extent 1,020

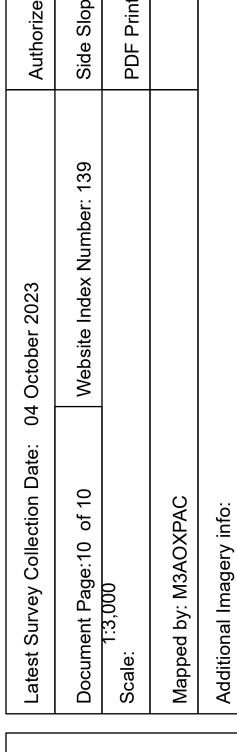
#### Gulf Intracoastal Waterway: Natural Bay Bottom













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

**Channel Features - - -** Channel Center Line — Channel Toe

← Channel Dimensions

**Aids to Navigation** —— Channel Station Lines

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

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