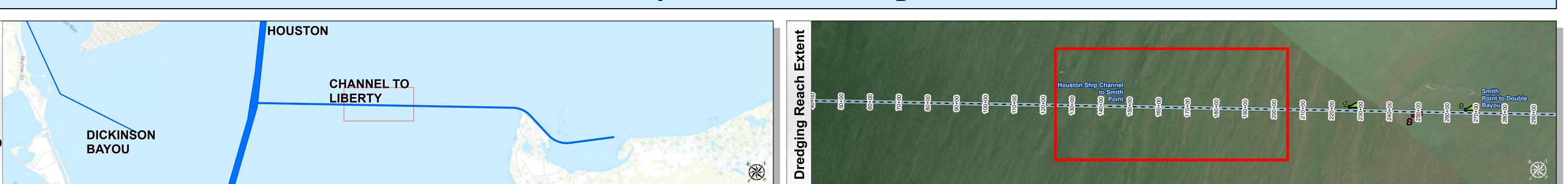
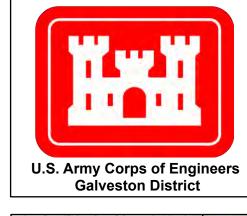
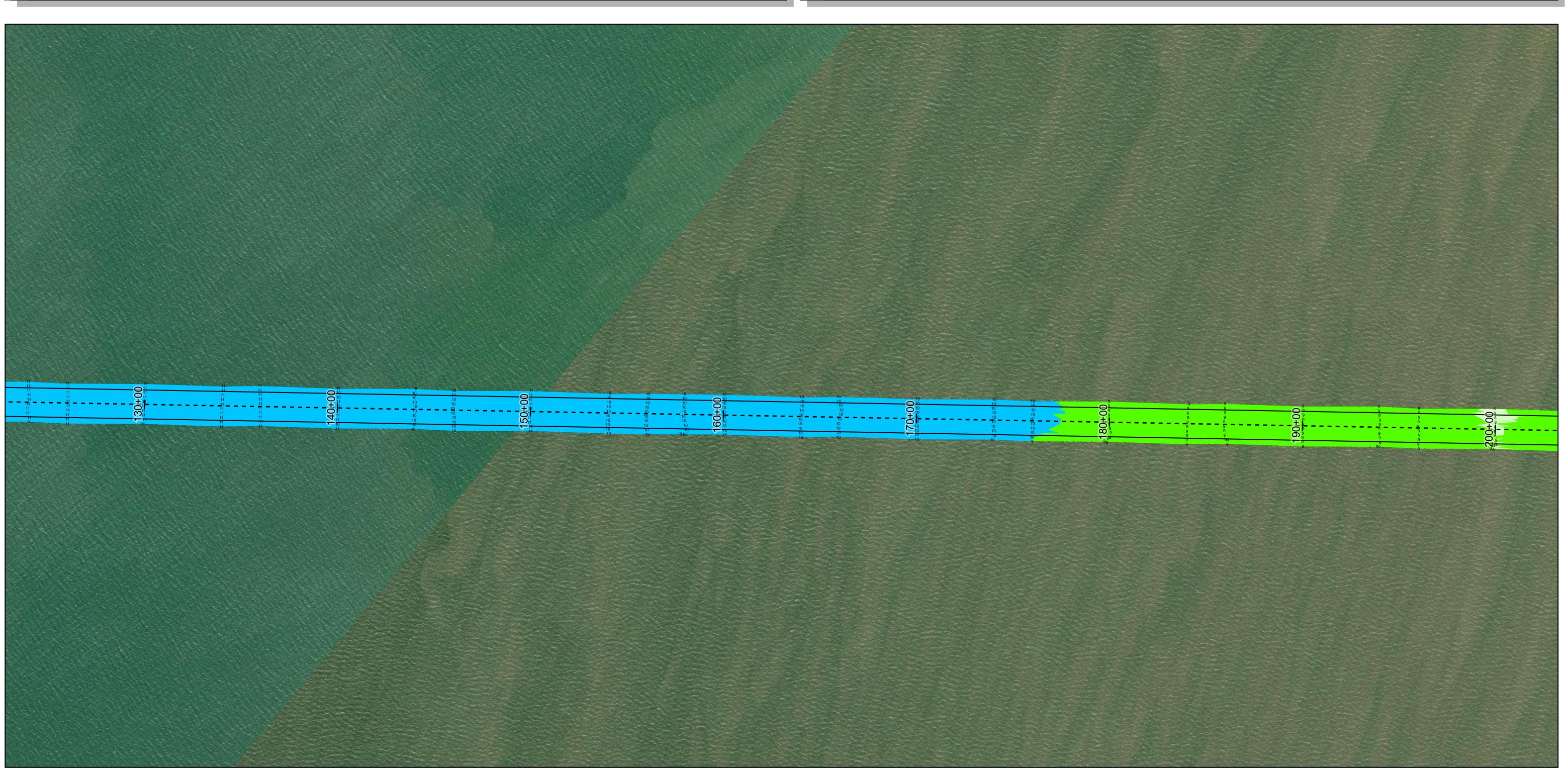
# Channel to Liberty: Houston Ship Channel to Smith Point HOUSTON DICKINSON BAYOU **CHANNEL TO** LIBERTY TEXAS 78+000 HYDROGRAPHIC SURVEY U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS GALVESTON, TEXAS Additional Combined Survey Dates and Stationing: Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet **Aids to Navigation Channel Features** Projection: Lambert Conformal Conic Combinded survey dates 20240329\_PR\_22P27\_264P00; 20240424\_PR\_264P00\_340P00; 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. (20240425\_CS\_340P00\_450P00 Dredging Reach Extent 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 – – Channel Center Line 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 Hydrographic Survey Extent World Imagery: Maxar World Ocean Base: Esri, GEBCO, Garmin, NaturalVue —— Channel Toe 1,020 **←** Channel Dimensions

# Channel to Liberty: Houston Ship Channel to Smith Point HOUSTON DICKINSON BAYOU **CHANNEL TO** Houston Ship to Smith | Compared to Smith | C LIBERTY TEXAS HYDROGRAPHIC SURVEY U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS GALVESTON, TEXAS Additional Combined Survey Dates and Stationing: Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet **Aids to Navigation Channel Features** Projection: Lambert Conformal Conic Combinded survey dates 20240329 PR 22P27 264P00; 20240424 PR 264P00 340P00; 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. (20240425\_CS\_340P00\_450P00 Dredging Reach Extent 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 Center Line 5. For the most up to date information please check our website at: http://www.swg.usace.army.mil/Missions/Navigation/HydrographicSurveys/ Hydrographic Survey Extent 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 —— Channel Toe 1,020 **←** Channel Dimensions









 Latest Survey Collection Date:
 24 April 2024
 Authorized Depth: -10ft.

 Document Page:
 3 of 7
 Website Index Number:
 Side Slope Ratio: (Rise

 Scale:
 1:3,000

 Mapped by:
 M3AOXPAC
 PDF Print Date:
 5/29/20

 Additional Imagery info:
 Additional Imagery info:



PHIC SURVEY
INEER DISTRICT
ENGINEERS
ON, TEXAS
1,381 to 450+00
FO LIBERTY

Channel Features

- - - Channel Center Line

- Channel Toe

Channel Dimensions

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.

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

Combinded survey dates 20240329\_PR\_22P27\_264P00; 20240424\_PR\_264P00\_340P00; (20240425\_CS\_340P00\_450P00

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

Dredging Reach Extent

0 0.3 0.6 1.2

Miles

Hydrographic Survey Extent

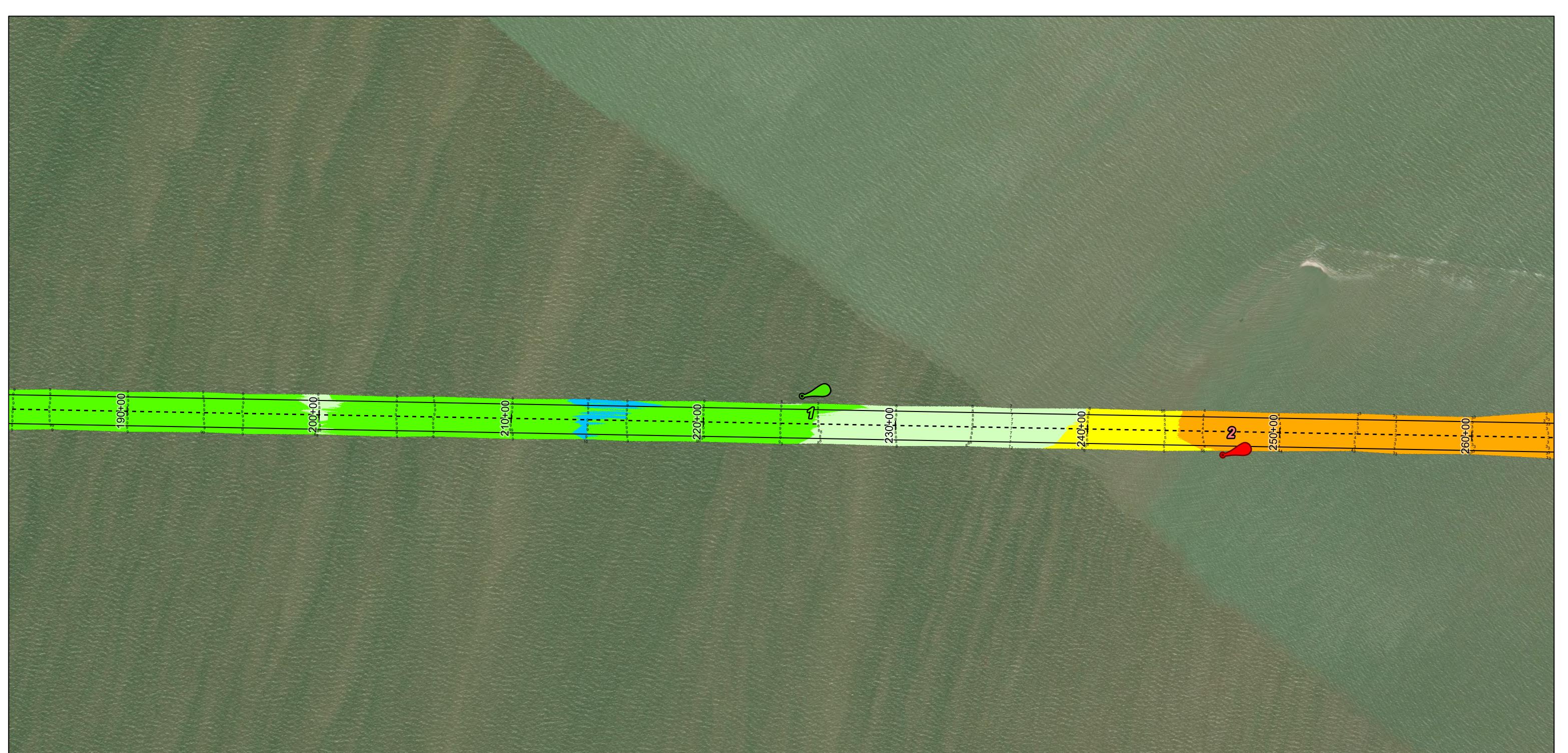
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS











HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS
Station: 19+68.381 to 450+00
CHANNEL TO LIBERTY

NOTES:

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

Dredging Reach Extent

0 0.3 0.6 1.2

Miles

Hydrographic Survey Extent

0 255 510 1,020

- - Channel Center Line

Channel Toe

Channel Dimensions

Aids to Navigation
Green Side Aids
Red Side Aids
Lights

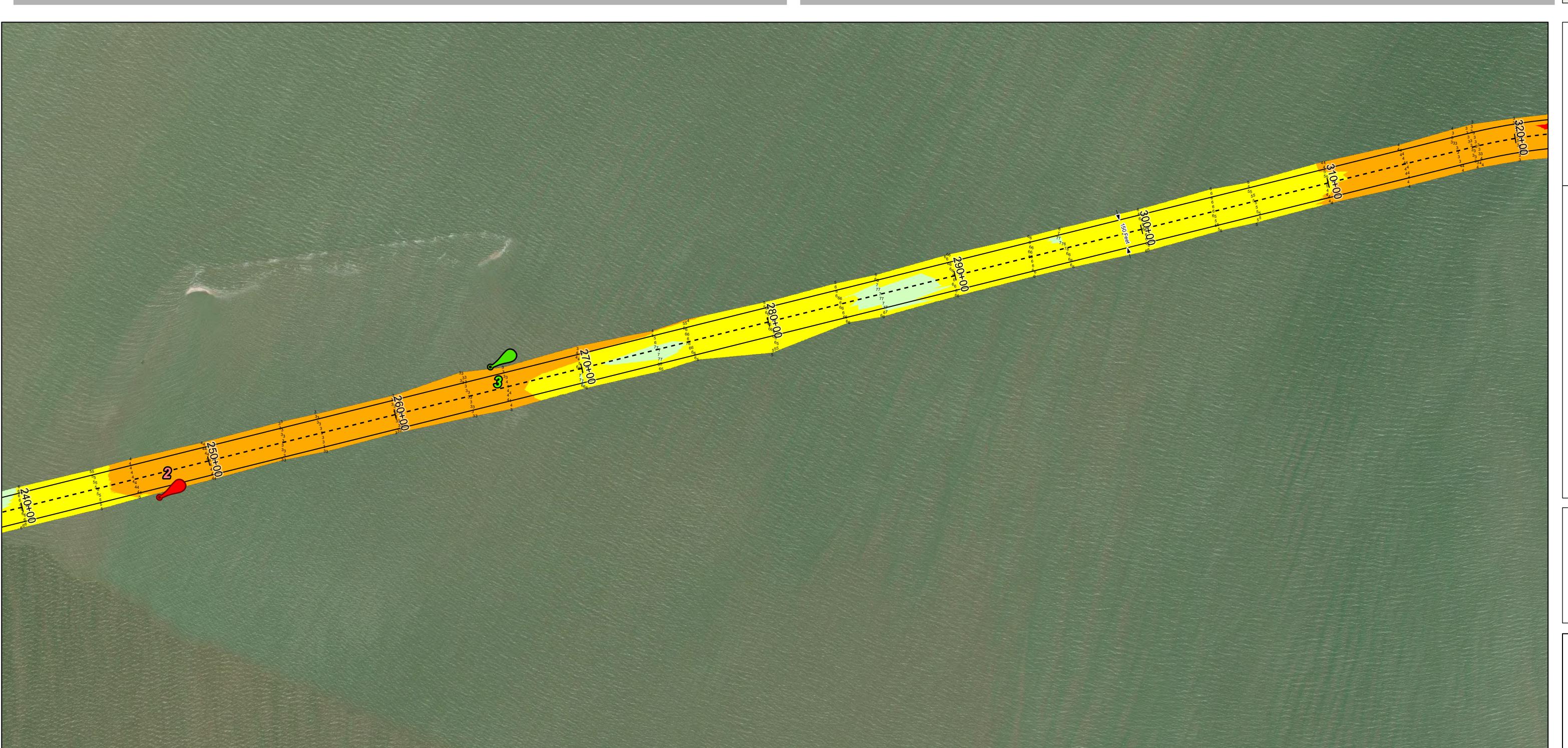
Lights

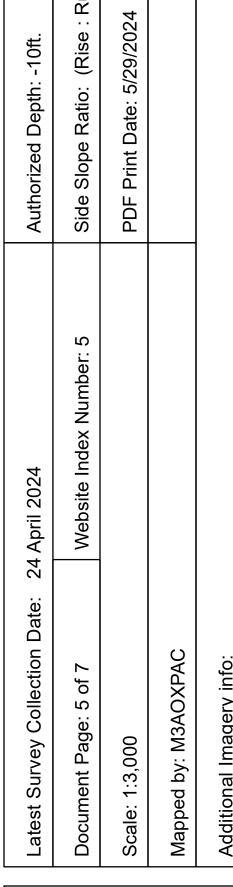
0 - 1 3 - 5 7 - 9 7 - 9 10 - 12 41 - 21













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

**Channel Features** – – Channel Center Line

—— Channel Toe **←** Channel Dimensions **Aids to Navigation** 

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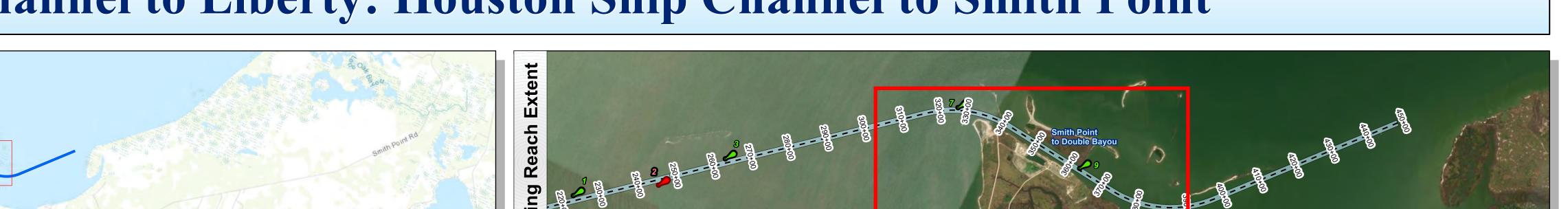
3. This project was designed by the galveston district of the u.s. army corps of engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by er1110-1-8152. Fig. The information depicted on this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

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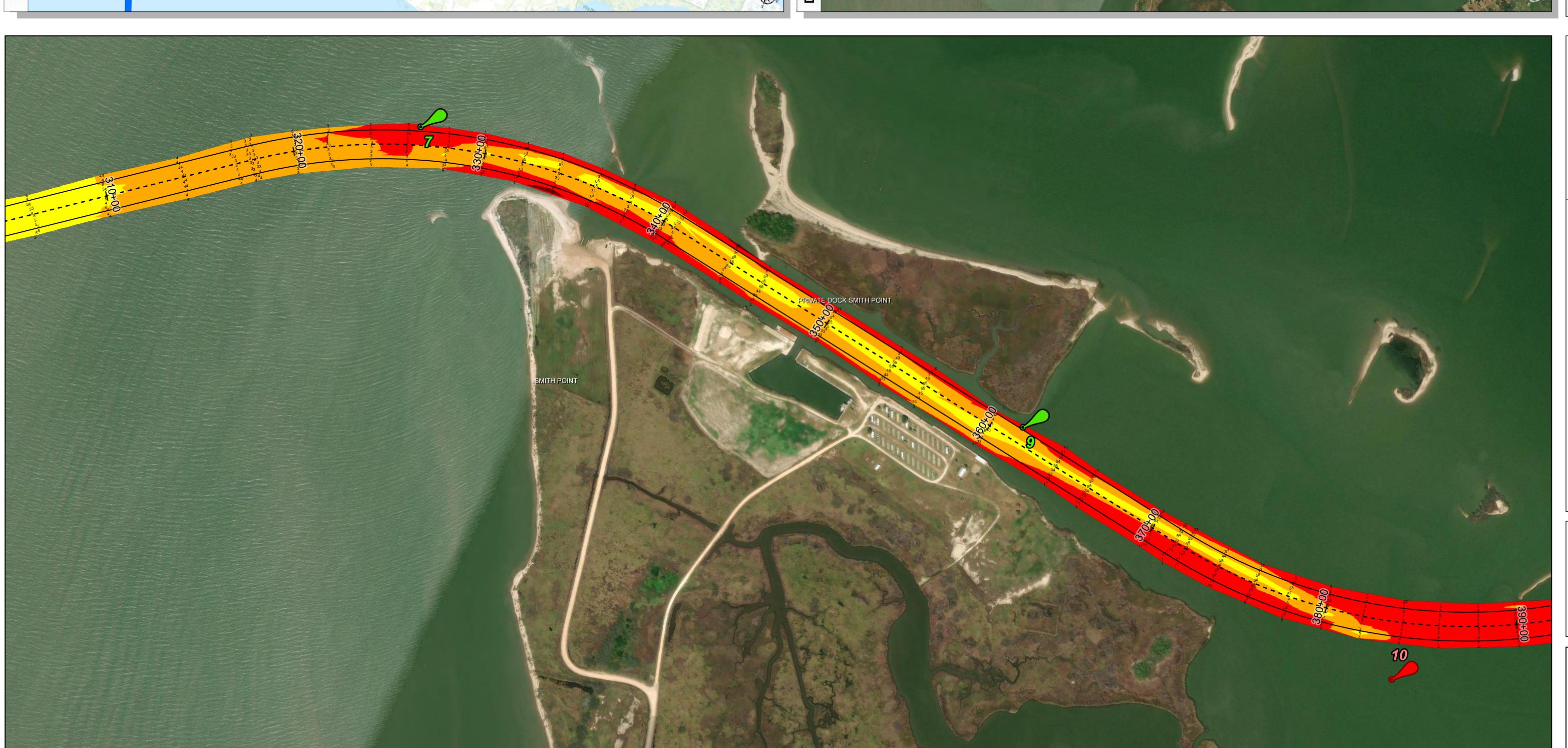
Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet Projection: Lambert Conformal Conic **Dredging Reach Extent** 

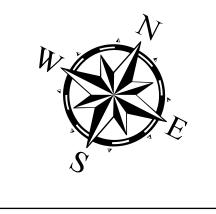
Hydrographic Survey Extent











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** 

Hydrographic Survey Extent

Aids to Navigation **Channel Features** 

– – Channel Center Line Channel Toe **←** Channel Dimensions

HOUSTON

**CHANNEL TO** 

LIBERTY

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.

2. Elevations are reterined to mean lower low due (interve) duation.

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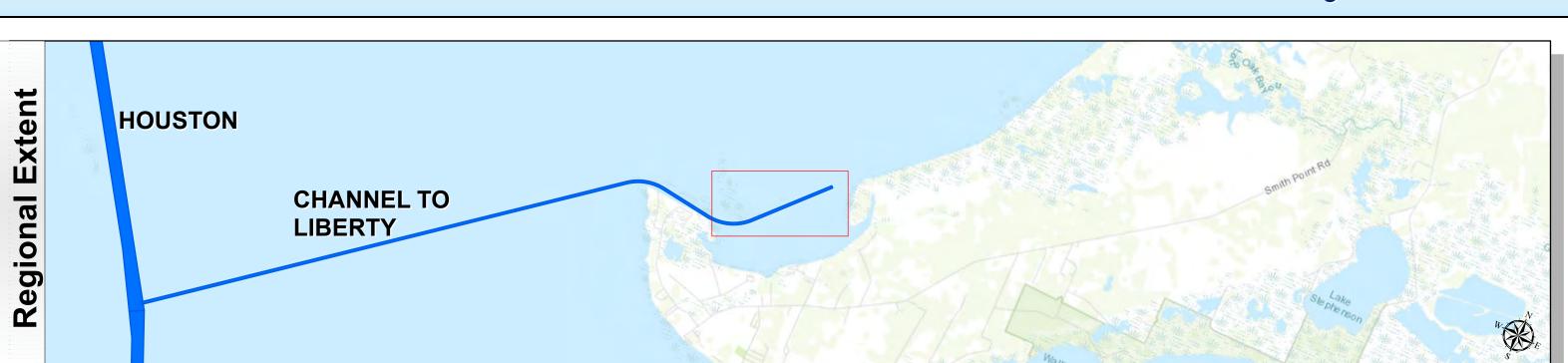
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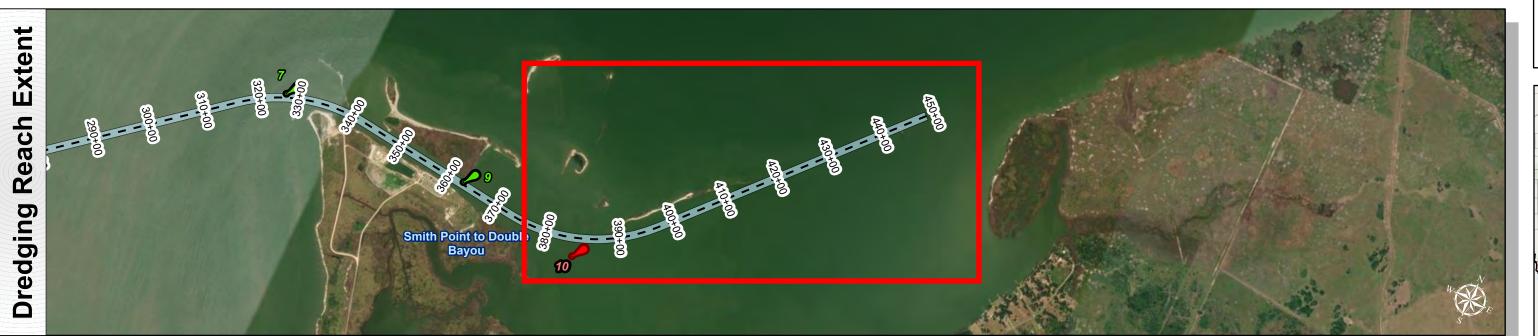
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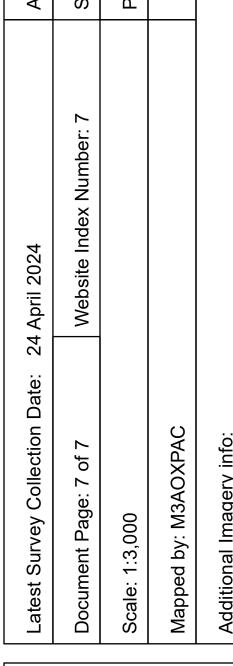














HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS
Station: 19+68.381 to 450+00
CHANNEL TO LIBERTY
Houston Ship Channel to Smith Point

- - Channel Center Line

Channel Toe

**←** Channel Dimensions

NOTES:

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Dredging Reach Extent

0 0.3 0.6 1.2

Miles

Hydrographic Survey Extent