



HYDROGRAPHIC U.S. ARMY ENGINEER D

Aids to Navigation **Channel Features** - - - · Channel Center Line

—— Channel Toe

← Channel Dimensions

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 Water (MLLW) datum.

2. Elevations are related to water Low Water Low Water (WLEW) 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, EPA, USDA World_Imagery: Maxar World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

GALVESTON

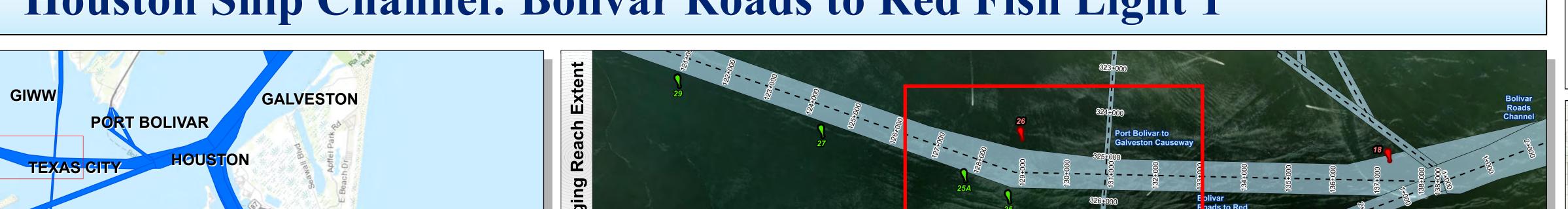
PORT BOLIVAR

TEXAS CITY

Additional Combined Survey Dates and Stationing: Combinded survey dates 20241110_CS; 20241210_PR_80P478_78P844

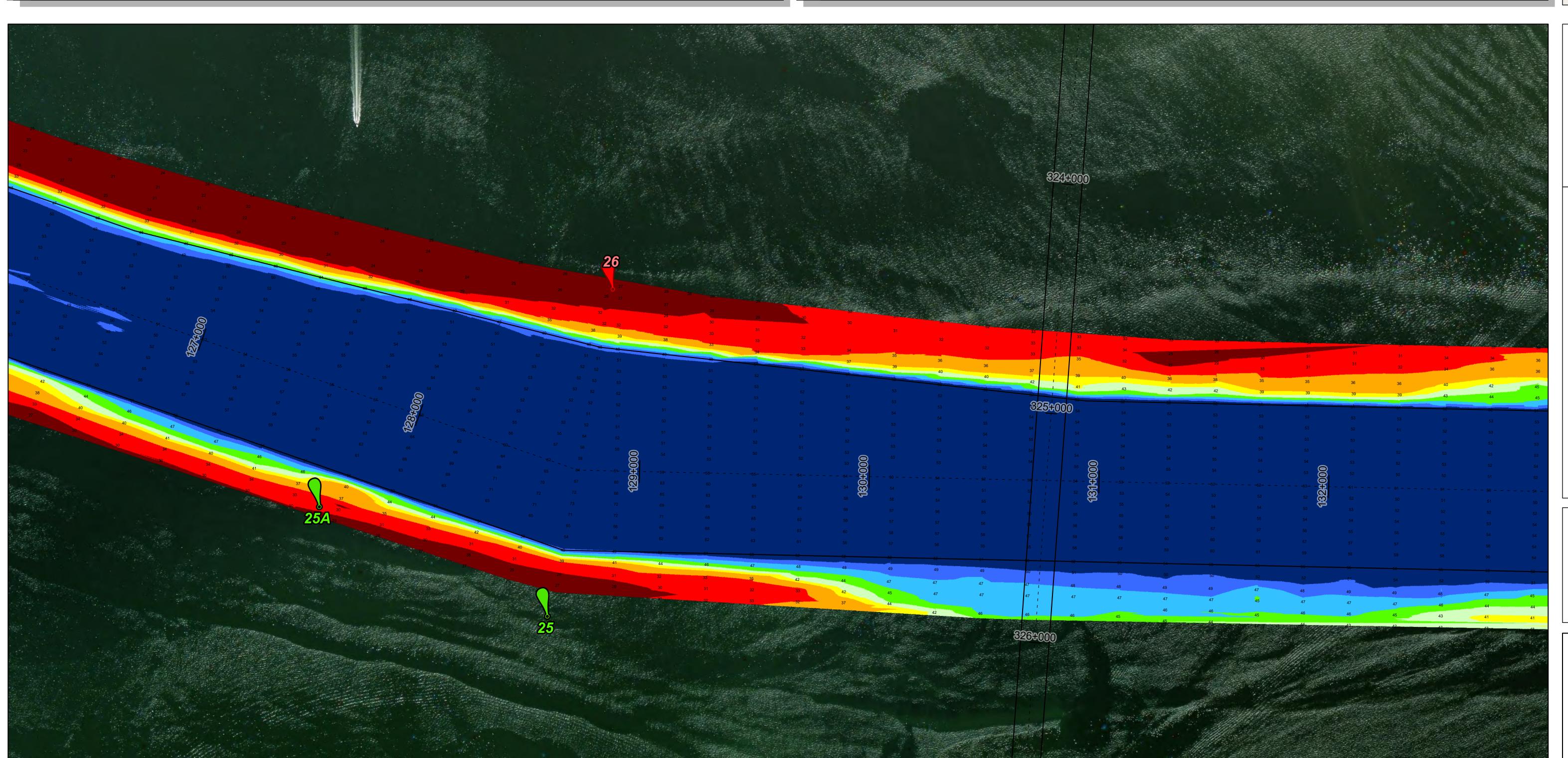
Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet Projection: Lambert Conformal Conic Dredging Reach Extent

Hydrographic Survey Extent











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Channel Features - - - · Channel Center Line

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Aids to Navigation

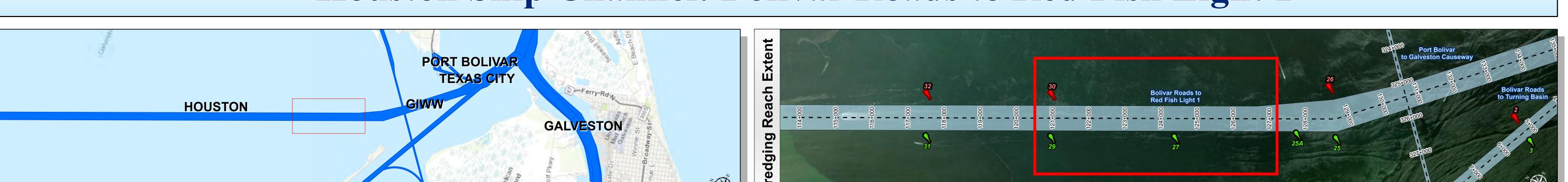
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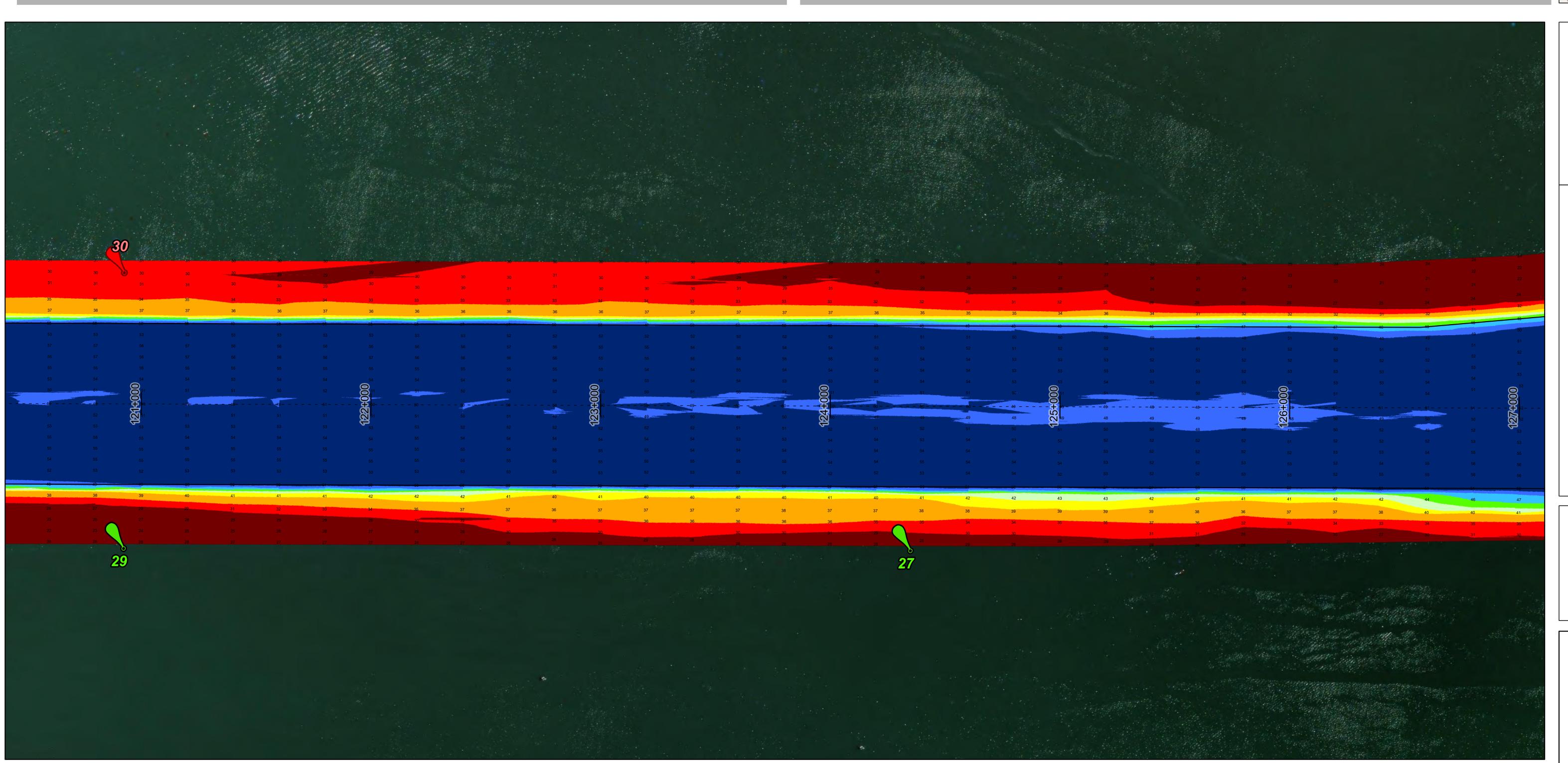
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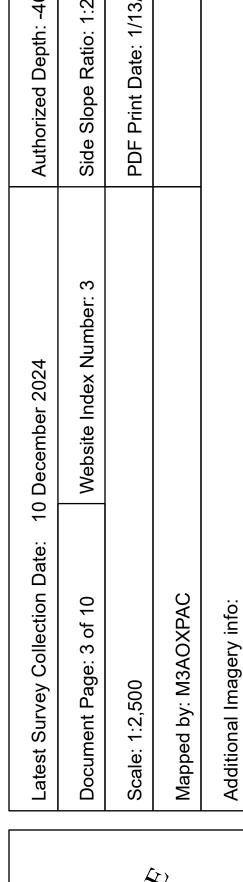
Additional Combined Survey Dates and Stationing: Combinded survey dates 20241110_CS; 20241210_PR_80P478_78P844 Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet Projection: Lambert Conformal Conic Dredging Reach Extent Hydrographic Survey Extent

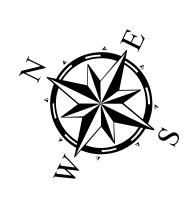












HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS
GALVESTON, TEXAS
HOUSTON
Bolivar Roads to Red Fish Light 1

- - - · Channel Center Line

Channel Toe

← Channel Dimensions

Aids to Navigati

Green Side Aids

Red Side Aids

Lights

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NOTES:

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Additional Combined Survey Dates and Stationing:

Combinded survey dates 20241110_CS; 20241210_PR_80P478_78P844

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

Dredging Reach Extent

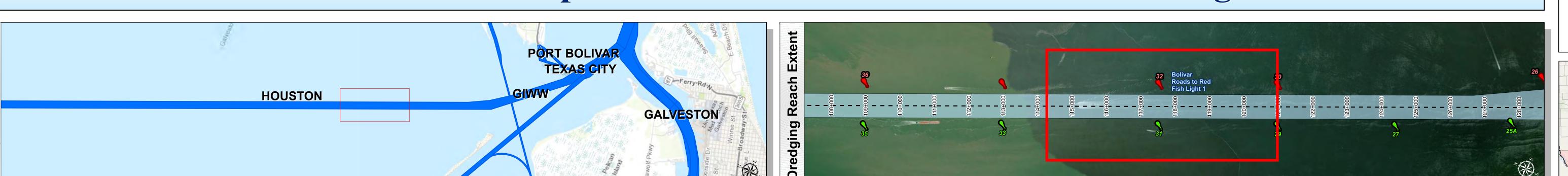
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Miles

Hydrographic Survey Extent

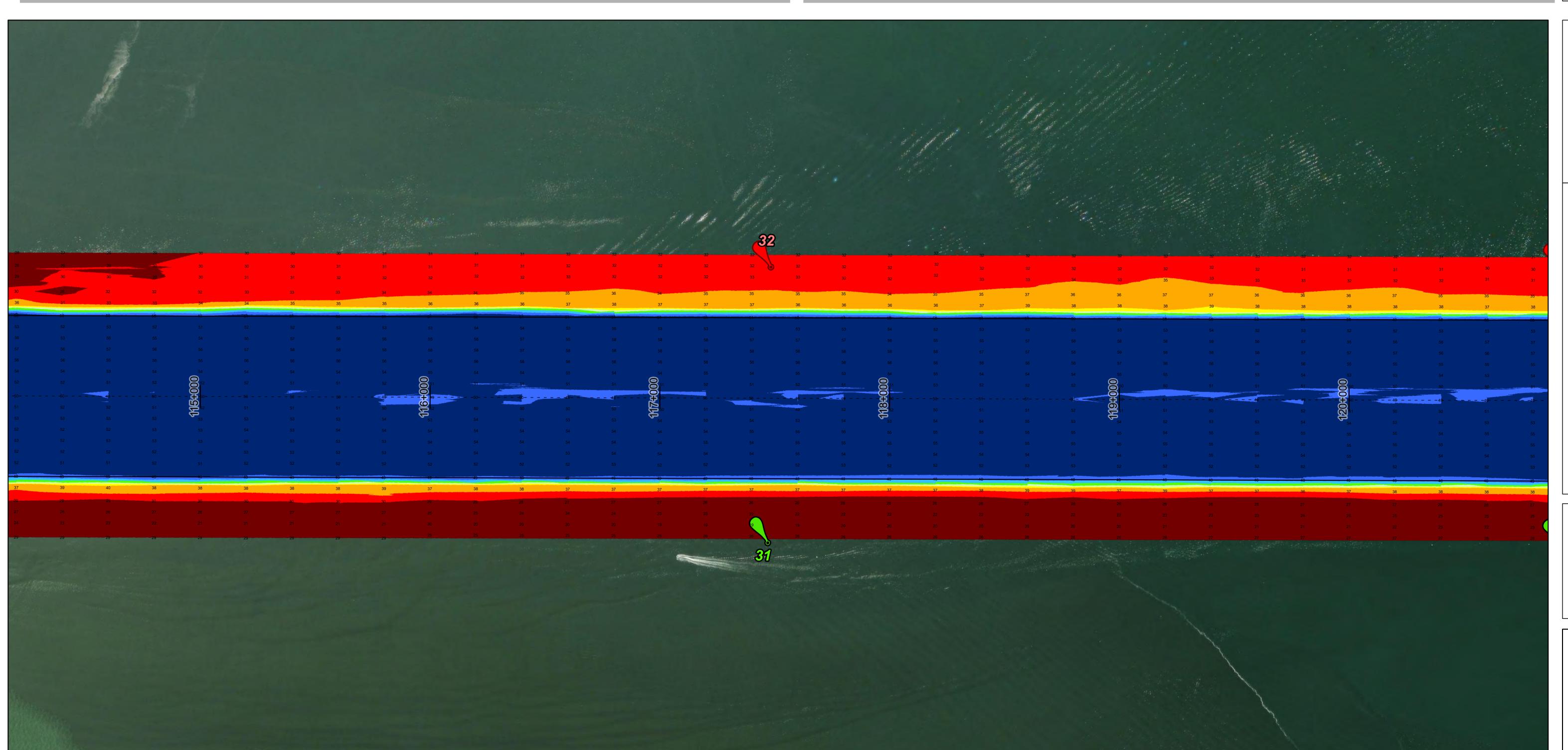
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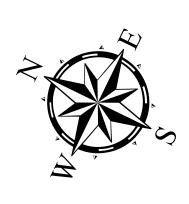








Latest Survey Collection Date:10 December 2024Authorized Depth: -46ft.Document Page: 4 of 10Website Index Number: 4Side Slope Ratio: 1:2.5 (fthapped by: M3AOXPACMapped by: M3AOXPACPDF Print Date: 1/13/202Additional Imagery info:Additional Imagery info:



HYDROGRAPHIC SURVEY

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

Station: 138+476 to 78+844
HOUSTON

Rollvar Roads to Red Fish Light 1

Channel Features

Aids to Navig

Green Sid

—— Channel Toe

← Channel Dimensions

Green Side Aids
Red Side Aids
Lights

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Additional Combined Survey Dates and Stationing:

Combinded survey dates 20241110_CS; 20241210_PR_80P478_78P844

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

Dredging Reach Extent
0 0.25 0.5 1
Miles

Hydrographic Survey Extent

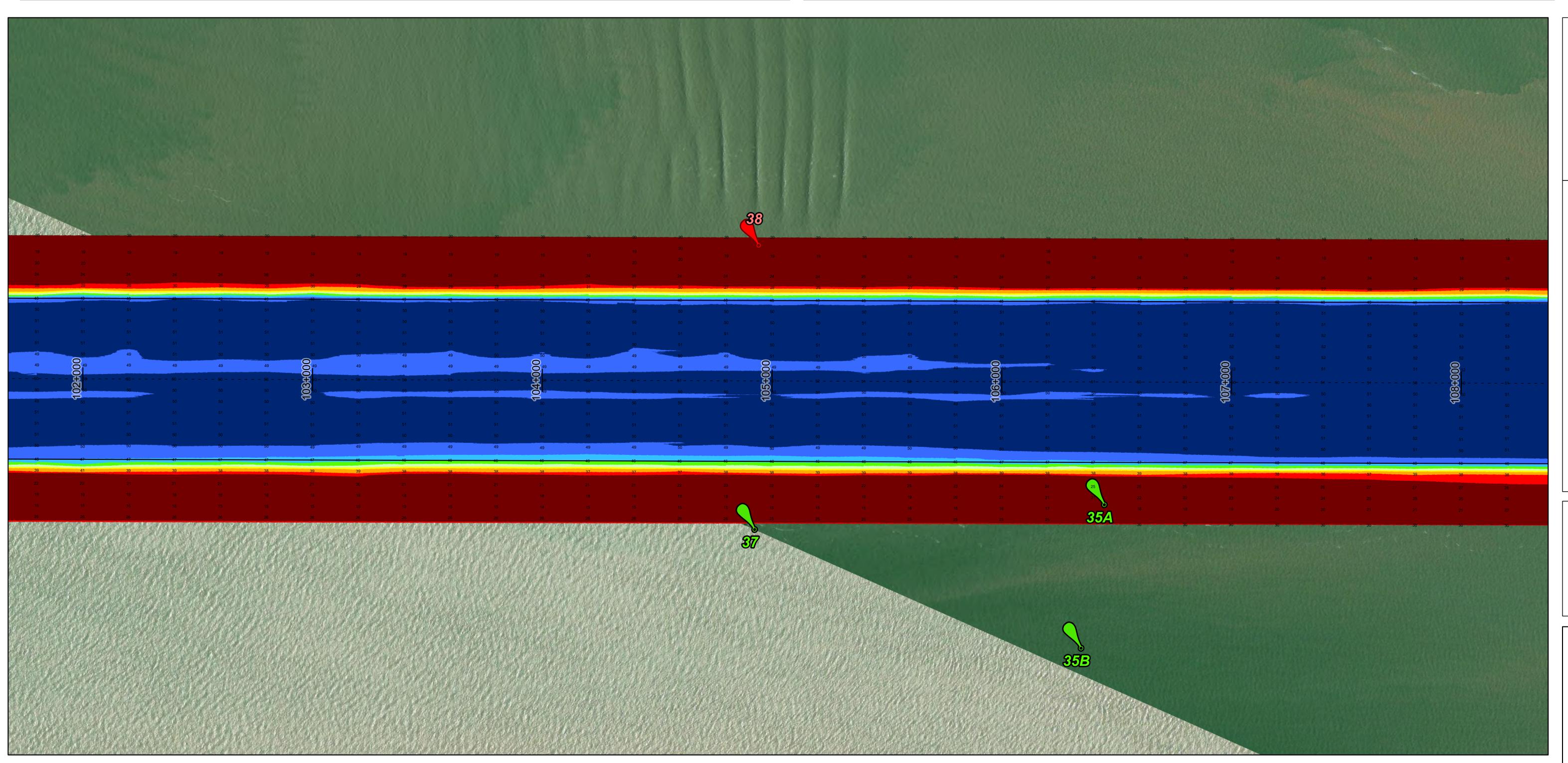
Houston Ship Channel: Bolivar Roads to Red Fish Light 1 CHANNEL TO LIBERTY HOUSTON TEXAS HYDROGRAPHIC SURVEY U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS GALVESTON, TEXAS Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet Projection: Lambert Conformal Conic Additional Combined Survey Dates and Stationing: **Channel Features** Horizontal coordinates are referenced to Texas State Plane Coordinate System, South Central Zone NAD83 US Survey Feet. Elevations are referenced to Mean Lower Low Water (MLLW) datum. Combinded survey dates 20241110_CS; 20241210_PR_80P478_78P844 **Dredging Reach Extent** 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/ - - - · Channel Center Line 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 Toe ← Channel Dimensions

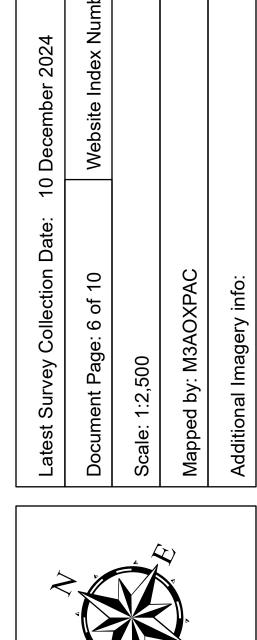
Houston Ship Channel: Bolivar Roads to Red Fish Light 1 CHANNEL TO LIBERTY HOUSTON











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

Aids to Navigation Channel Features - - - · Channel Center Line —— Channel Toe

← Channel Dimensions

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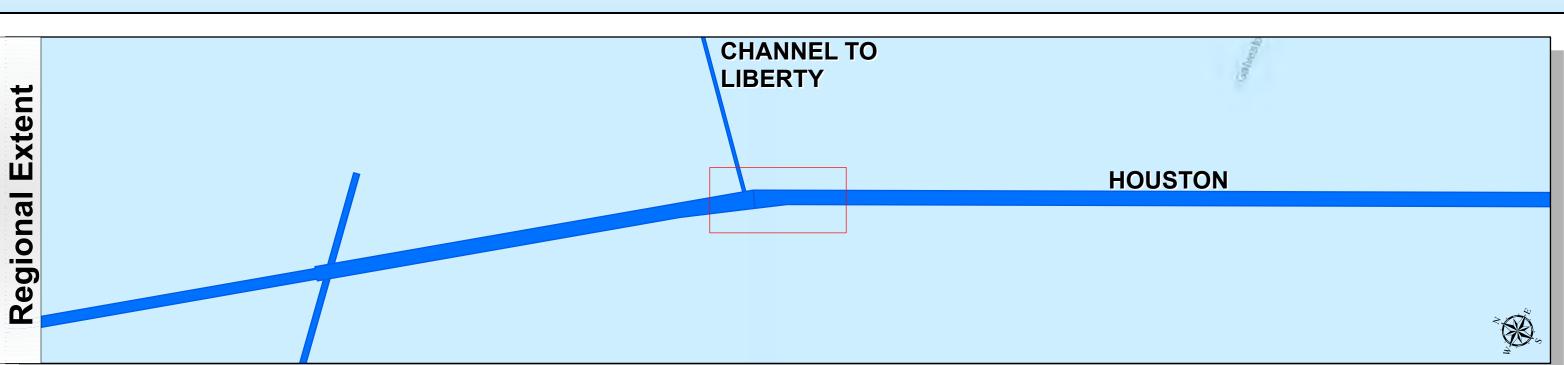
Additional Combined Survey Dates and Stationing: Combinded survey dates 20241110_CS; 20241210_PR_80P478_78P844

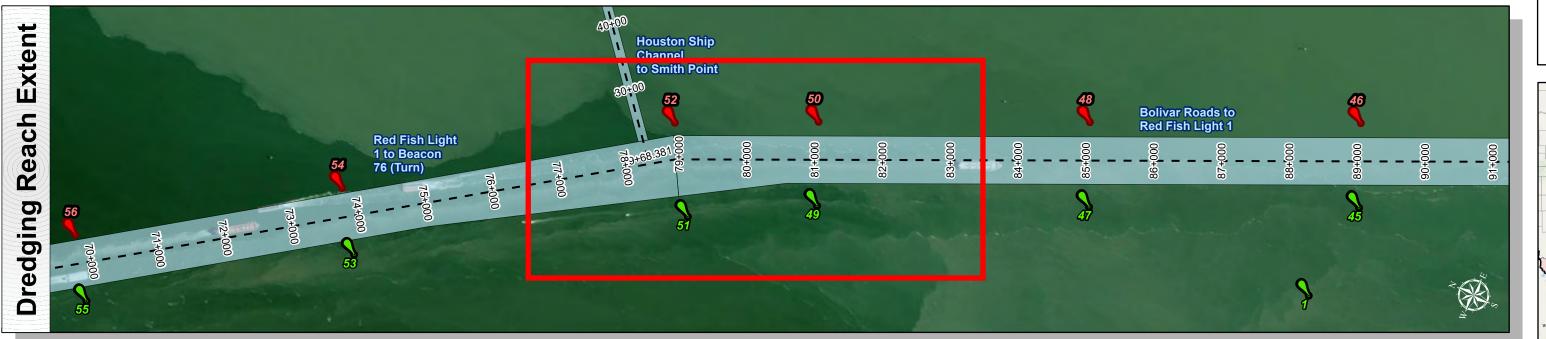
Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet Projection: Lambert Conformal Conic Dredging Reach Extent Hydrographic Survey Extent

Houston Ship Channel: Bolivar Roads to Red Fish Light 1 CHANNEL TO LIBERTY PORT BOLIVAR HOUSTON 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 1. Horizontal coordinates are referenced to Texas State Plane Coordinate System, South Central Zone NAD83 US Survey Feet. Combinded survey dates 20241110_CS; 20241210_PR_80P478_78P844 2. Elevations are referenced to Mean Lower Low Water (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 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 o 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/ 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 Toe ← Channel Dimensions

Houston Ship Channel: Bolivar Roads to Red Fish Light 1 CHANNEL TO LIBERTY HOUSTON TEXAS TEXAS CITY 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 **Channel Features** Projection: Lambert Conformal Conic 1. Horizontal coordinates are referenced to Texas State Plane Coordinate System, South Central Zone NAD83 US Survey Feet. Combinded survey dates 20241110_CS; 20241210_PR_80P478_78P844 2. Elevations are referenced to Mean Lower Low Water (MLLW) datum. Dredging Reach Extent 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 o 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/ 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 Toe ← Channel Dimensions

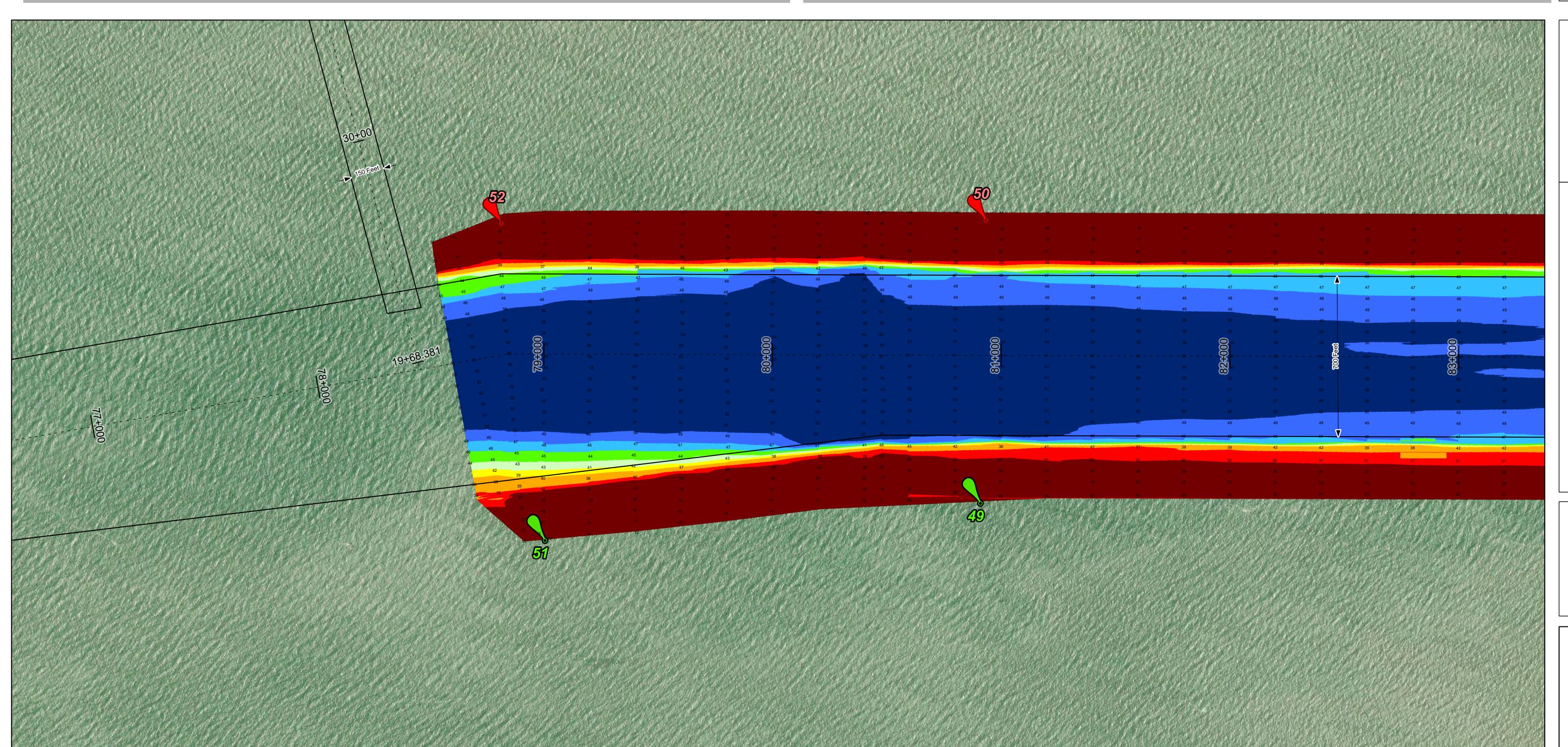
Houston Ship Channel: Bolivar Roads to Red Fish Light 1 CHANNEL TO LIBERTY Bolivar Roads to Red Fish Light 1 HOUSTON HYDROGRAPHIC SURVEY U.S. ARMY ENGINEER DISTRICT CORPS OF ENGINEERS GALVESTON, TEXAS Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet Additional Combined Survey Dates and Stationing: **Channel Features** Projection: Lambert Conformal Conic 1. Horizontal coordinates are referenced to Texas State Plane Coordinate System, South Central Zone NAD83 US Survey Feet. Combinded survey dates 20241110_CS; 20241210_PR_80P478_78P844 2. Elevations are referenced to Mean Lower Low Water (MLLW) datum. Dredging Reach Extent 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 - - - · 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 World_Imagery: Maxar World Ocean Base: Esri, GEBCO, Garmin, NaturalVue Hydrographic Survey Extent —— Channel Toe ← Channel Dimensions











Latest Survey Collection

Document Page: 10 of 10

Scale: 1:2,500

Mapped by: M3AOXPAC

Additional Imagery info:

HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS
Station: 138+476 to 78+844
HOUSTON

- - - Channel Center Line

Channel Toe

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Aids to Navigation
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Red Side Aids
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Dredging Reach Extent

0 0.25 0.5 1

Miles

Hydrographic Survey Extent