

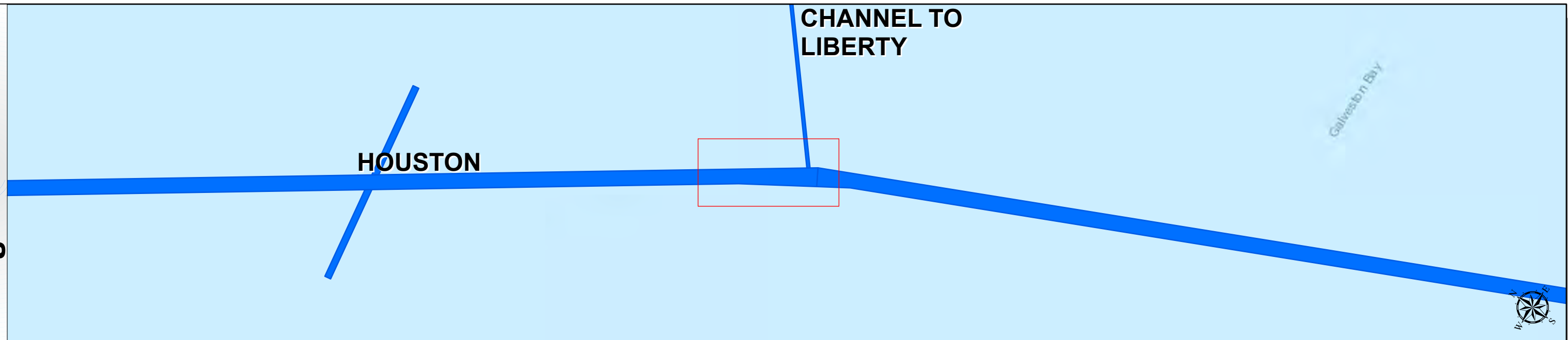
# Houston Ship Channel: Red Fish Light 1 to Beacon 76 (Turn)



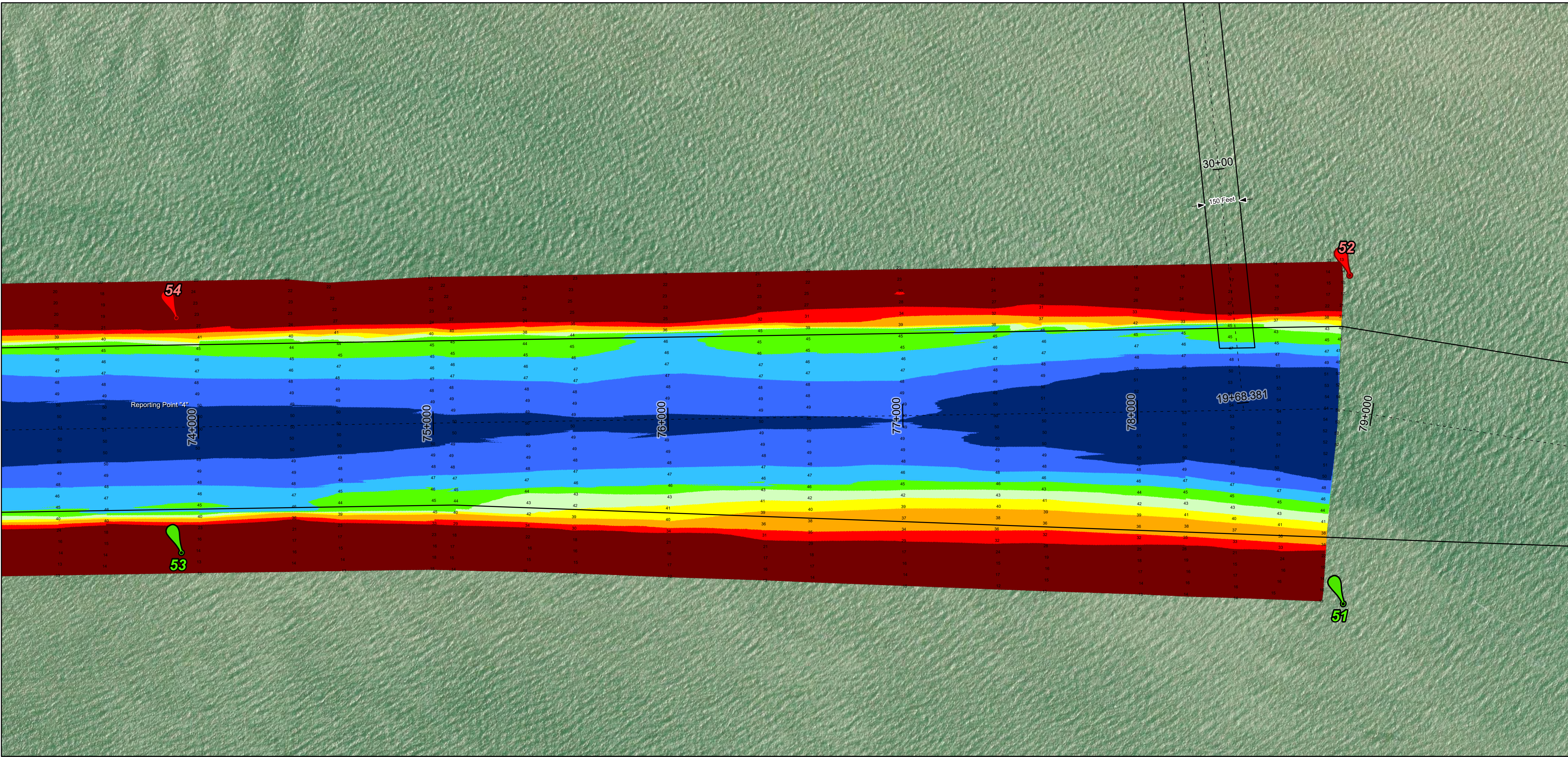
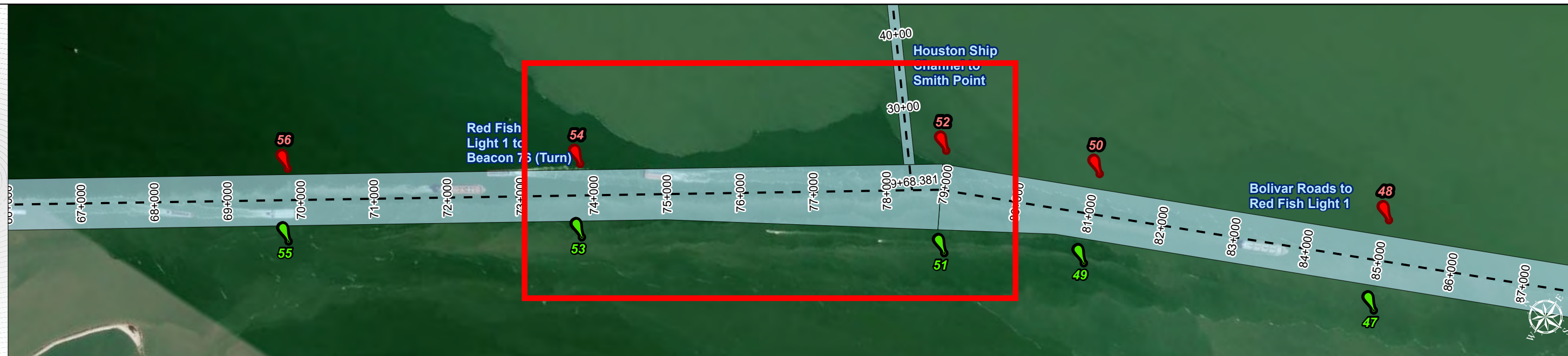
U.S. Army Corps of Engineers  
Galveston District



Regional Extent



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. Elevations are referenced to Mean Lower Low Water (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 er1110-1-8102.  
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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, MET/NASA, NGA, EPA, USDA  
World Imagery Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community  
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:  
Combined survey dates 20250319\_PR\_42P400\_30P090; 20250325\_PR\_59P400\_42P400;  
20250327\_PR\_78P844\_59P400

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  
0 215 430 860 Feet

Latest Survey Collection Date: 27 March 2025

Document Page: 1 of 9 Website Index Number: 11

Scale: 1:2,500

Mapped by: M3AOXPAC

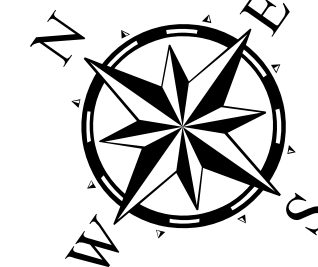
Additional Imagery info:

Authorized Depth: -46ft.

Width Range: 700ft to 700ft

Side Slope Ratio: 1:2.5 (Rise : Run)

PDF Print Date: 4/11/2025



**HYDROGRAPHIC SURVEY**

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

**Station: 78+844 to 30+091**

**HOUSTON**  
Red Fish Light 1 to Beacon 76 (Turn)



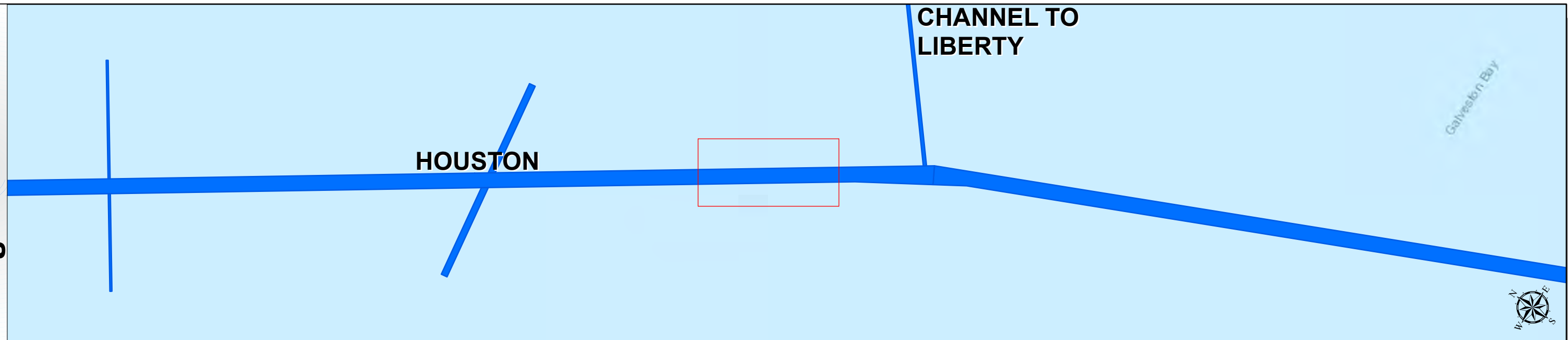
# Houston Ship Channel: Red Fish Light 1 to Beacon 76 (Turn)



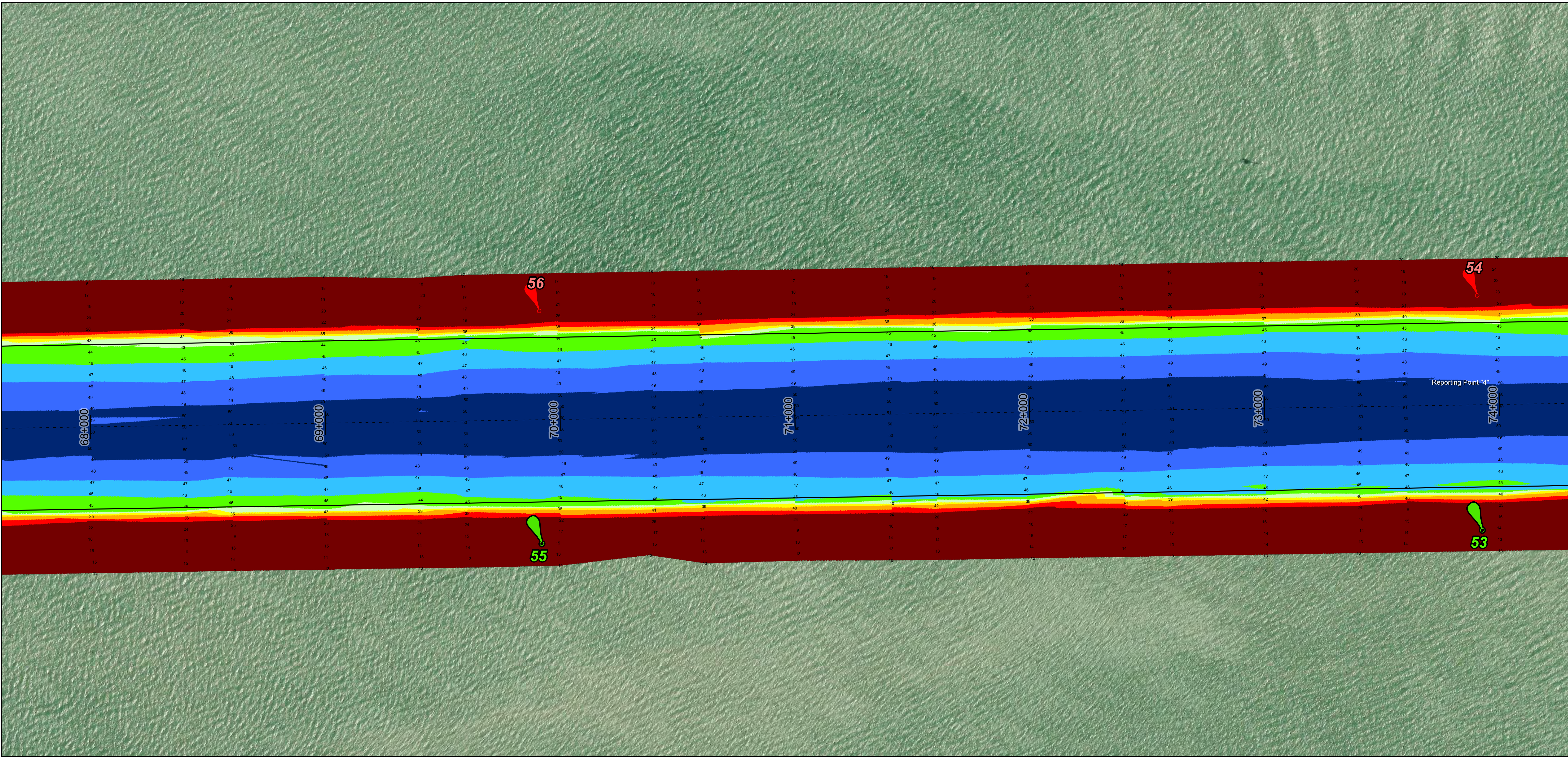
U.S. Army Corps of Engineers  
Galveston District



Regional Extent



Dredging Reach Extent



Channel Features

- Channel Center Line
- Channel Toe
- Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW



NOTES:  
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World Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community  
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:

Combined survey dates 20250319\_PR\_42P400\_30P090; 20250325\_PR\_59P400\_42P400; 20250327\_PR\_78P844\_59P400

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  
0 215 430 860 Feet

Latest Survey Collection Date: 27 March 2025

Document Page: 2 of 9

Authorized Depth: -46ft.

Width Range: 700ft to 700ft

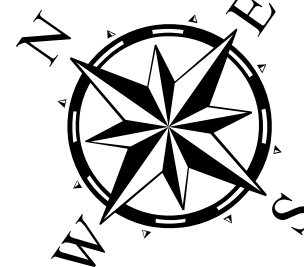
Side Slope Ratio: 1:2.5 (Rise : Run)

PDF Print Date: 4/11/2025

Scale: 1:2,500

Mapped by: M3AOXPAC

Additional Imagery info:



**HYDROGRAPHIC SURVEY**

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

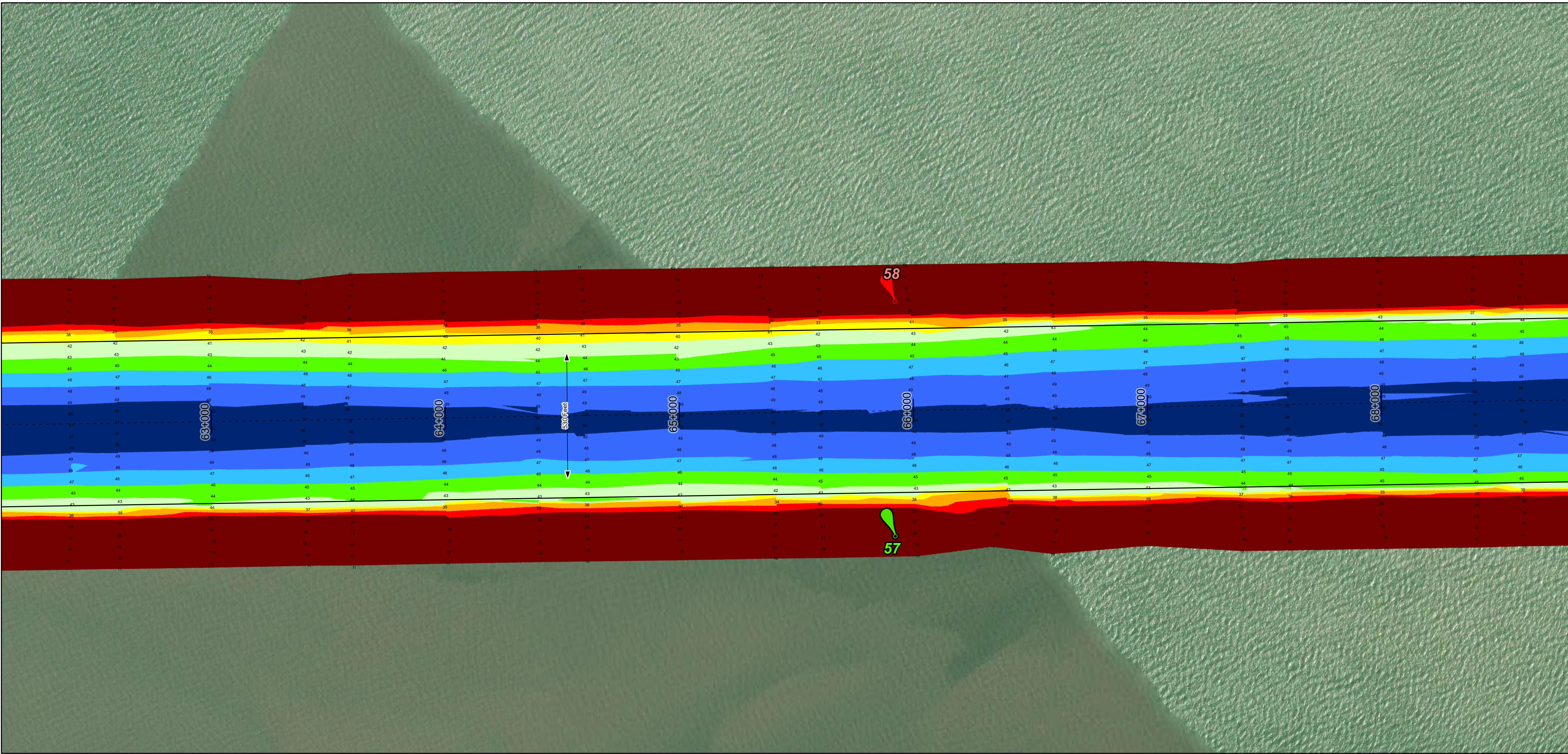
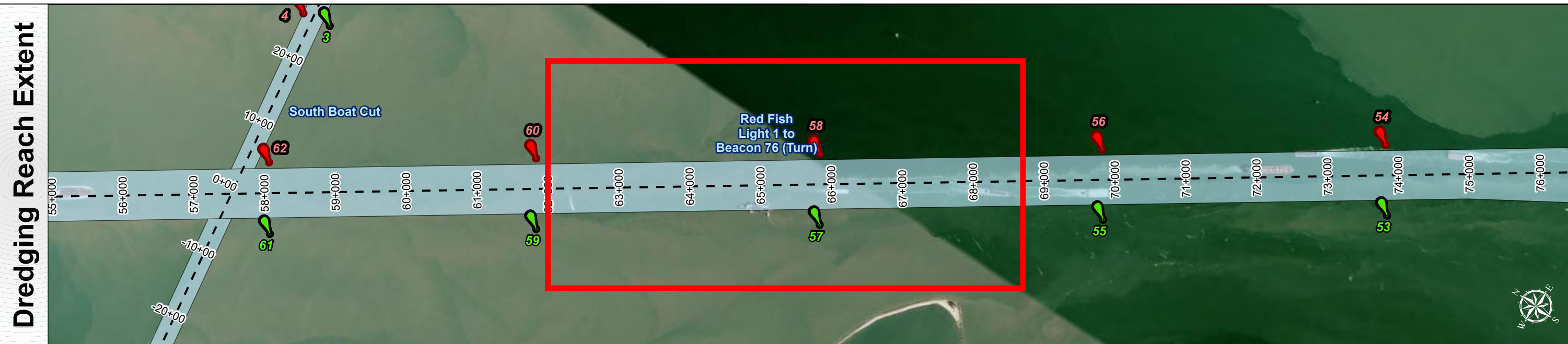
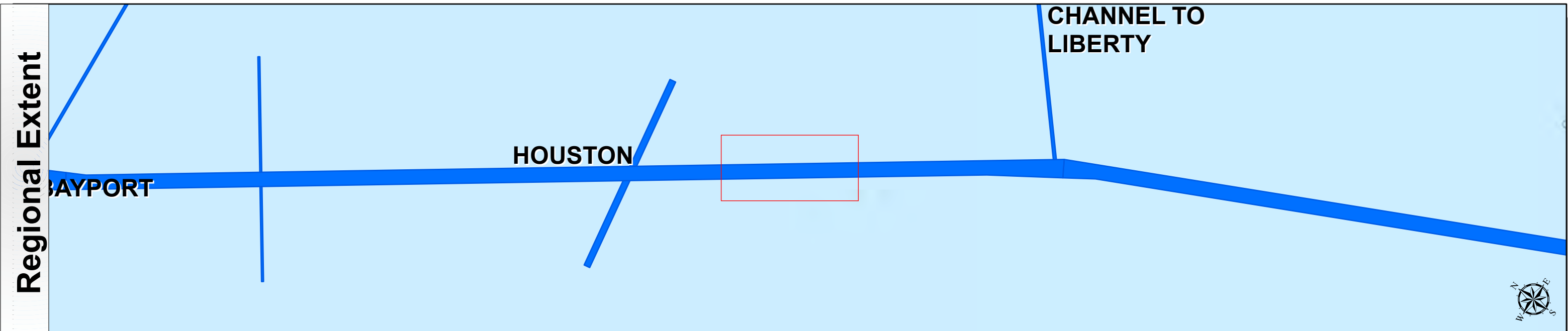
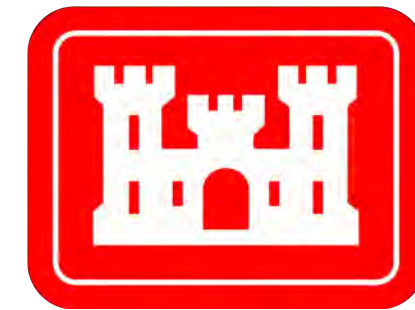
**Station: 78+844 to 30+091**

**HOUSTON**

Red Fish Light 1 to Beacon 76 (Turn)



# Houston Ship Channel: Red Fish Light 1 to Beacon 76 (Turn)



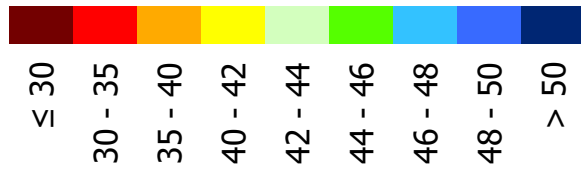
## Channel Features

- Channel Center Line
- Channel Toe
- Channel Dimensions

## Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

## MLLW



## NOTES:

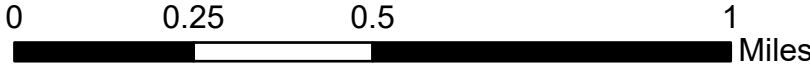
- Horizontal coordinates are referenced to Texas State Plane Coordinate System, South Central Zone NAD83 US Survey Feet.
  - Elevations are referenced to Mean Lower Low Water (MLLW) datum.
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World Imagery Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community  
World Ocean Base: Esri, GEBCO, Garmin, NaturalVie

## Additional Combined Survey Dates and Stationing:

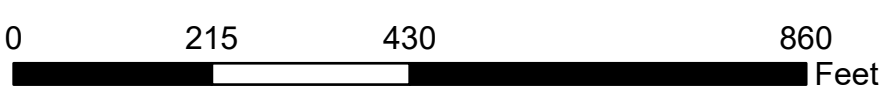
Combined survey dates 20250319\_PR\_42P400\_30P090; 20250325\_PR\_59P400\_42P400;  
20250327\_PR\_78P844\_59P400

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

## Dredging Reach Extent



## Hydrographic Survey Extent



Latest Survey Collection Date: 27 March 2025

Document Page: 3 of 9

Authorized Depth: -46ft.

Width Range: 700ft to 700ft

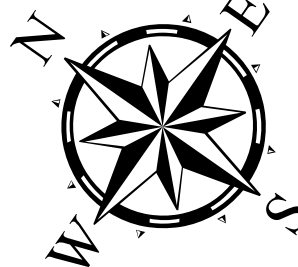
Side Slope Ratio: 1:2.5 (Rise : Run)

PDF Print Date: 4/11/2025

Scale: 1:2,500

Mapped by: M3AOXPAC

Additional Imagery info:



## HYDROGRAPHIC SURVEY

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

Station: 78+844 to 30+091

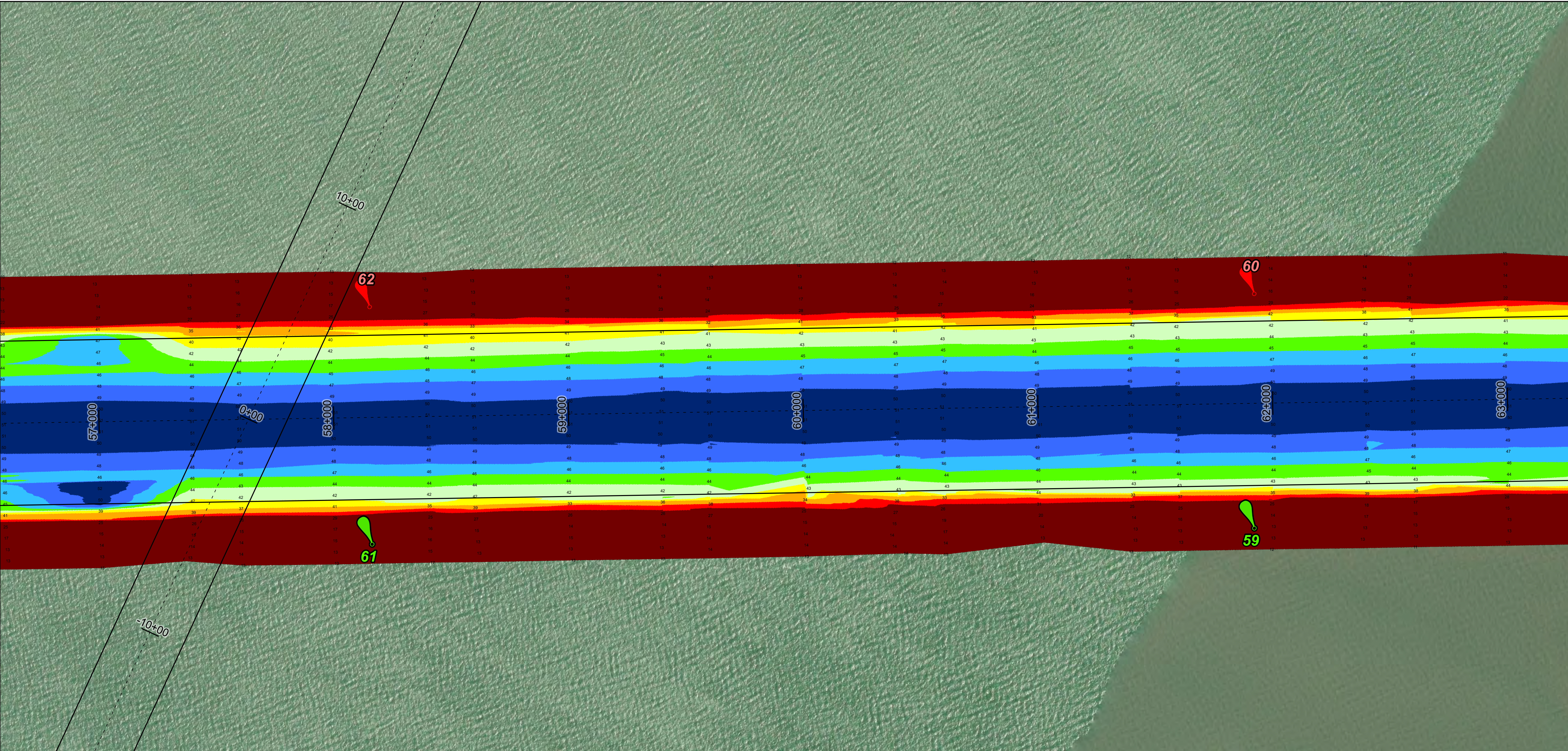
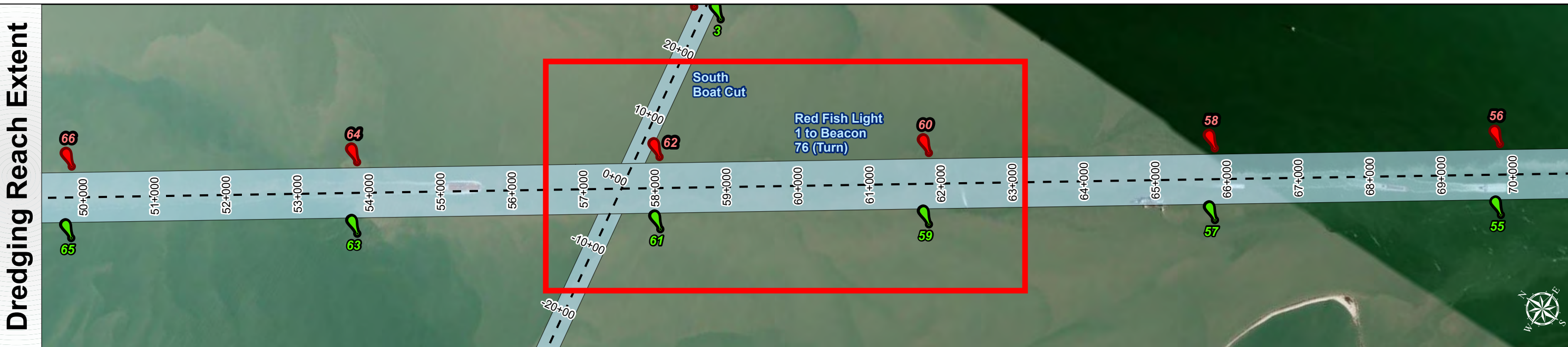
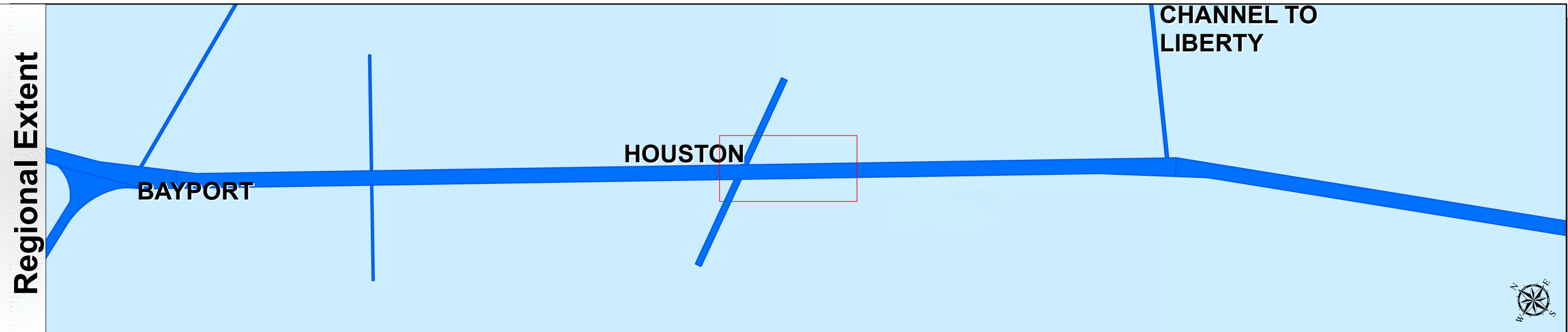
HOUSTON  
Red Fish Light 1 to Beacon 76 (Turn)



# Houston Ship Channel: Red Fish Light 1 to Beacon 76 (Turn)



U.S. Army Corps of Engineers  
Galveston District



**Channel Features**

- Channel Center Line
- Channel Toe
- Channel Dimensions

**Aids to Navigation**

- Green Side Aids
- Red Side Aids
- Lights

**MLLW**

30 - 35  
35 - 40  
40 - 42  
42 - 44  
44 - 46  
46 - 48  
48 - 50  
> 50

NOTES:

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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, NGA, EPA, USDA  
World Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community  
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:

Combined survey dates 20250319\_PR\_42P400\_30P090; 20250325\_PR\_59P400\_42P400; 20250327\_PR\_78P844\_59P400

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

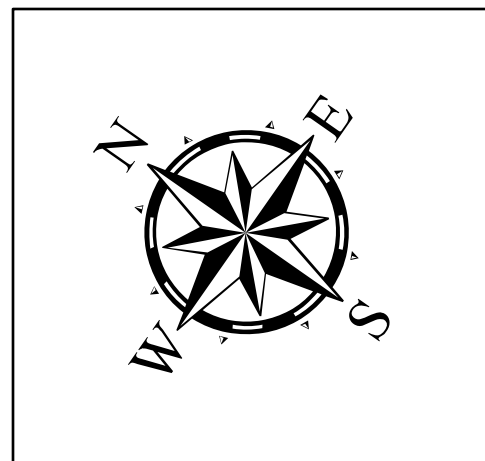
Dredging Reach Extent

0 0.25 0.5 1 Miles

Hydrographic Survey Extent

0 215 430 860 Feet

Latest Survey Collection Date: 27 March 2025		Authorized Depth: -46ft.
Document Page: 4 of 9	Website Index Number: 14	Width Range: 700ft to 700ft
Scale: 1:2,500		Side Slope Ratio: 1:2.5 (Rise : Run)
Mapped by: M3AOXPAC		PDF Print Date: 4/11/2025
Additional Imagery info:		



**HYDROGRAPHIC SURVEY**

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

**Station: 78+844 to 30+091**

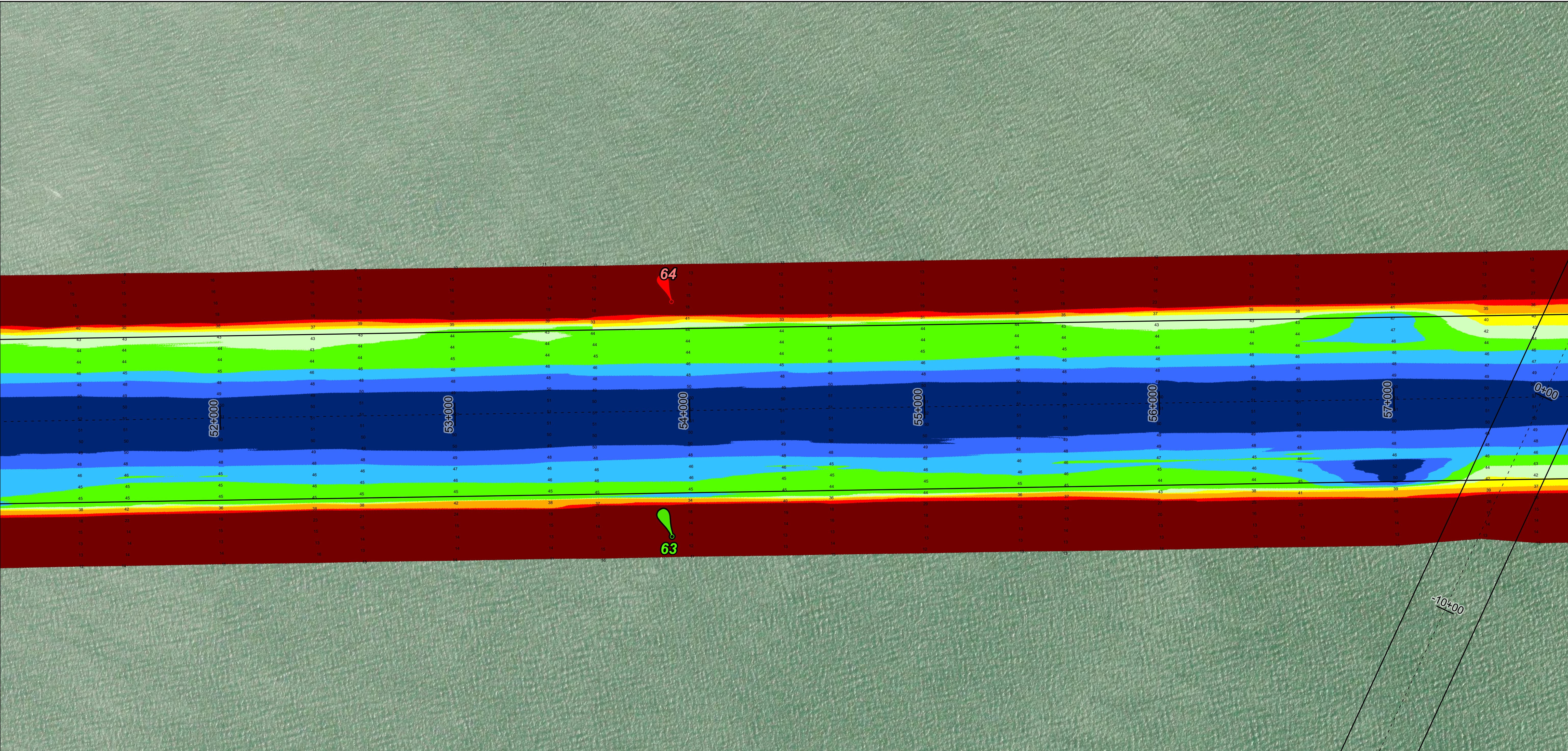
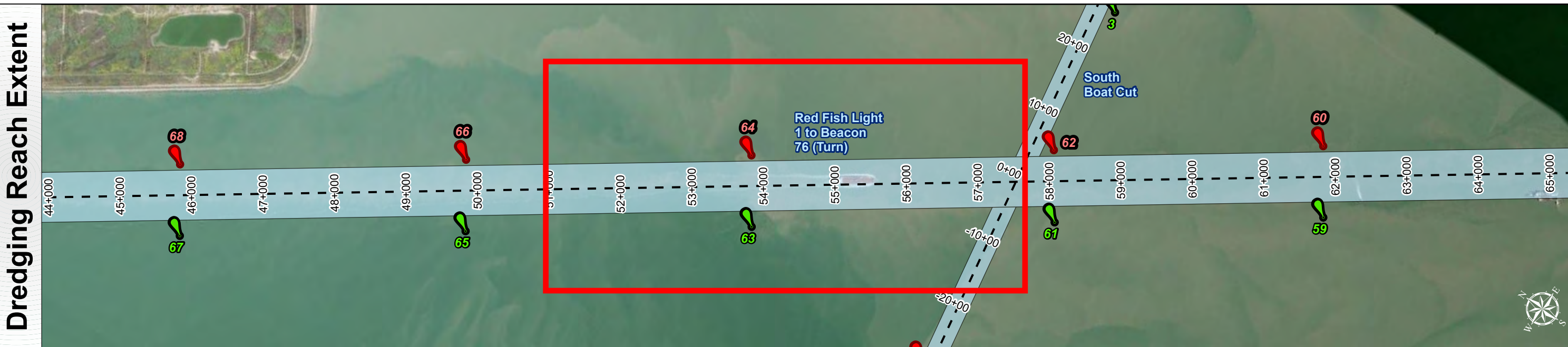
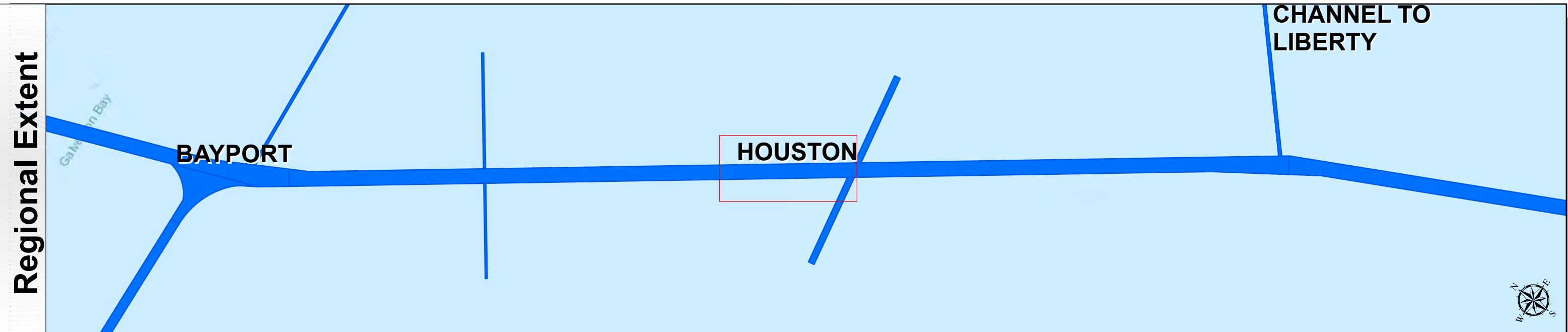
HOUSTON  
Red Fish Light 1 to Beacon 76 (Turn)



# Houston Ship Channel: Red Fish Light 1 to Beacon 76 (Turn)



U.S. Army Corps of Engineers  
Galveston District



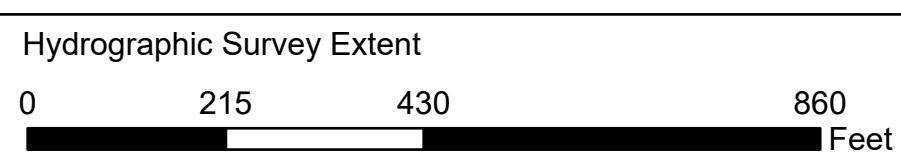
<b>Channel Features</b> <ul style="list-style-type: none"><li>Channel Center Line</li><li>Channel Toe</li><li>Channel Dimensions</li></ul>	<b>Aids to Navigation</b> <ul style="list-style-type: none"><li>Green Side Aids</li><li>Red Side Aids</li><li>Lights</li></ul>	<b>MLLW</b> 	<b>NOTES:</b> <ol style="list-style-type: none"><li>Horizontal coordinates are referenced to Texas State Plane Coordinate System, South Central Zone NAD83 US Survey Feet.</li><li>Elevations are referenced to Mean Lower Low Water (MLLW) datum.</li><li>This project was designed by the Galveston District of the U.S. Army Corps of Engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by 47CFR 110.1-4102.</li><li>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</li><li>For the most up to date information please check our website at: <a href="http://www.svg.usace.army.mil/Missions/Navigation/HydrographicSurveys/">http://www.svg.usace.army.mil/Missions/Navigation/HydrographicSurveys/</a></li></ol> <p>Service Layer Credits: World Topographic Map: Texas Parks &amp; Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, NGA, EPA, USDA World Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community World Ocean Base: Esri, GEBCO, Garmin, NaturalView</p>	<b>Additional Combined Survey Dates and Stationing:</b> Combined survey dates 20250319_PR_42P400_30P090; 20250325_PR_59P400_42P400; 20250327_PR_78P844_59P400	<b>Coordinate System:</b> NAD 1983 StatePlane Texas South Central FIPS 4204 Feet Projection: Lambert Conformal Conic
				<b>Dredging Reach Extent</b> 0 0.25 0.5 1 Miles	
				<b>Hydrographic Survey Extent</b> 0 215 430 860 Feet	

**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS  
  
**Station: 78+844 to 30+091**  
Houston  
Red Fish Light 1 to Beacon 76 (Turn)

**Latest Survey Collection Date:** 27 March 2025  
**Document Page:** 5 of 9  
**Scale:** 1:2,500  
**Mapped by:** M3AOXPAC  
**Additional Imagery info:**

**Authorized Depth:** -46ft.  
**Width Range:** 700ft to 700ft  
**Side Slope Ratio:** 1:2.5 (Rise : Run)  
**PDF Print Date:** 4/11/2025



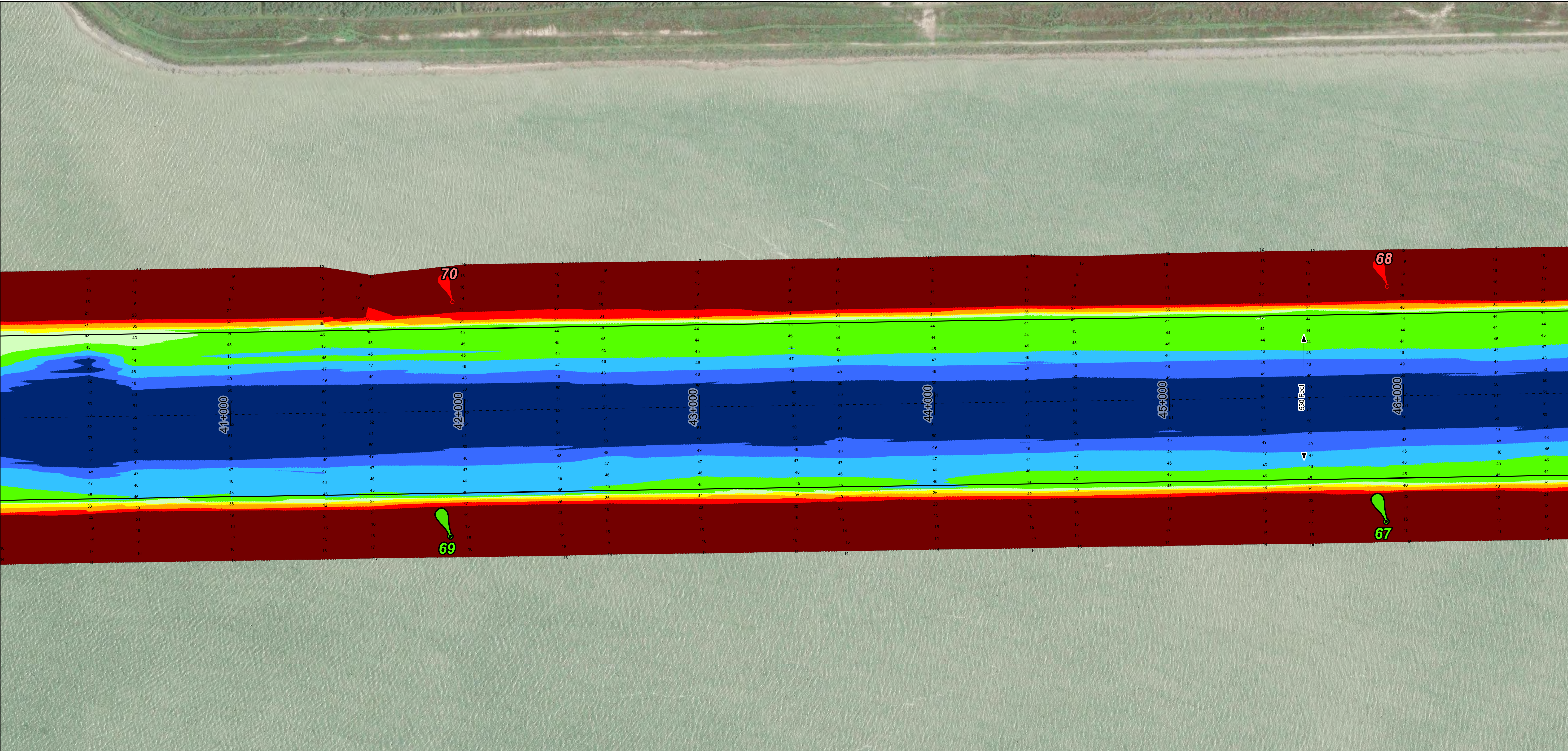
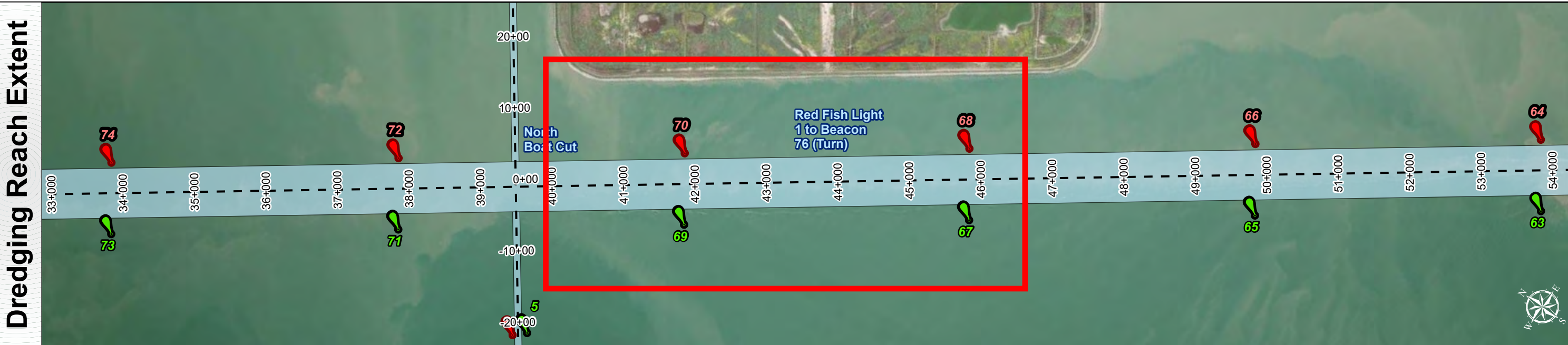
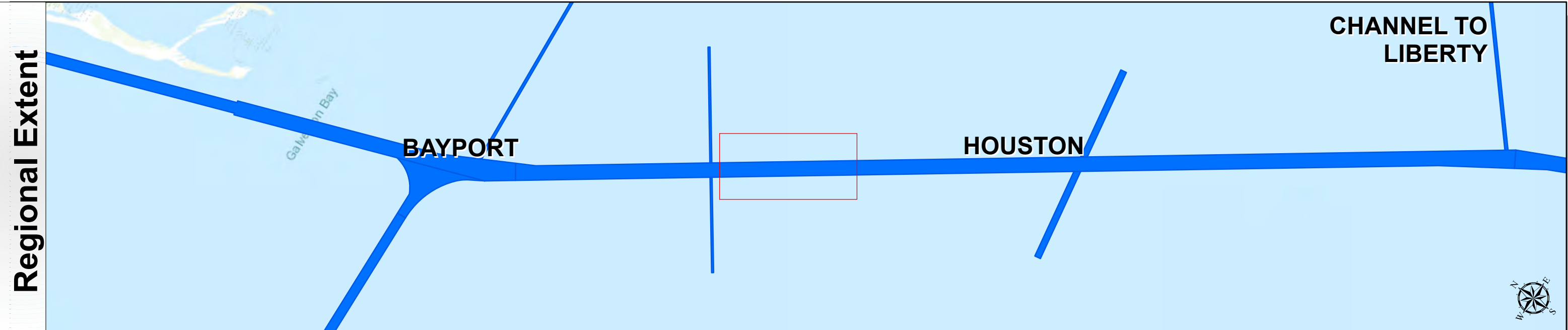




# Houston Ship Channel: Red Fish Light 1 to Beacon 76 (Turn)



U.S. Army Corps of Engineers  
Galveston District



**Channel Features**

- Channel Center Line
- Channel Toe
- Channel Dimensions

**Aids to Navigation**

- Green Side Aids
- Red Side Aids
- Lights

**MLLW**

≤ 30 30 - 35 35 - 40 40 - 42 42 - 44 44 - 46 46 - 48 48 - 50 > 50

NOTES:  
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Service Layer Credits: World Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community  
World Topographic Map: City of Houston, HPB, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, NGA, EPA, USDA  
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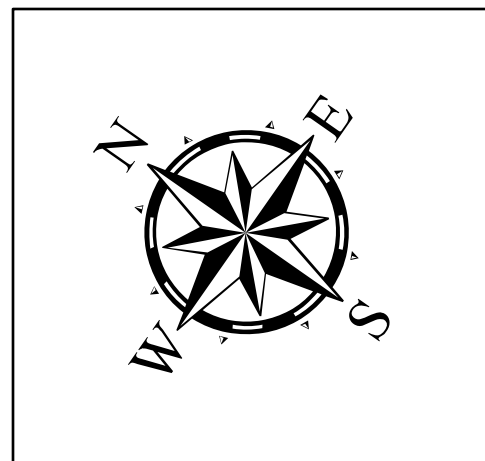
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Combined survey dates 20250319\_PR\_42P400\_30P090; 20250325\_PR\_59P400\_42P400; 20250327\_PR\_78P844\_59P400

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  
0 215 430 860 Feet

Latest Survey Collection Date: 27 March 2025	Authorized Depth: -46ft.
	Width Range: 700ft to 700ft
Document Page: 7 of 9	Side Slope Ratio: 1:2.5 (Rise : Run)
	PDF Print Date: 4/11/2025
Website Index Number: 17	
Scale: 1:2,500	
Mapped by: M3AOXPAC	
Additional Imagery info:	



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

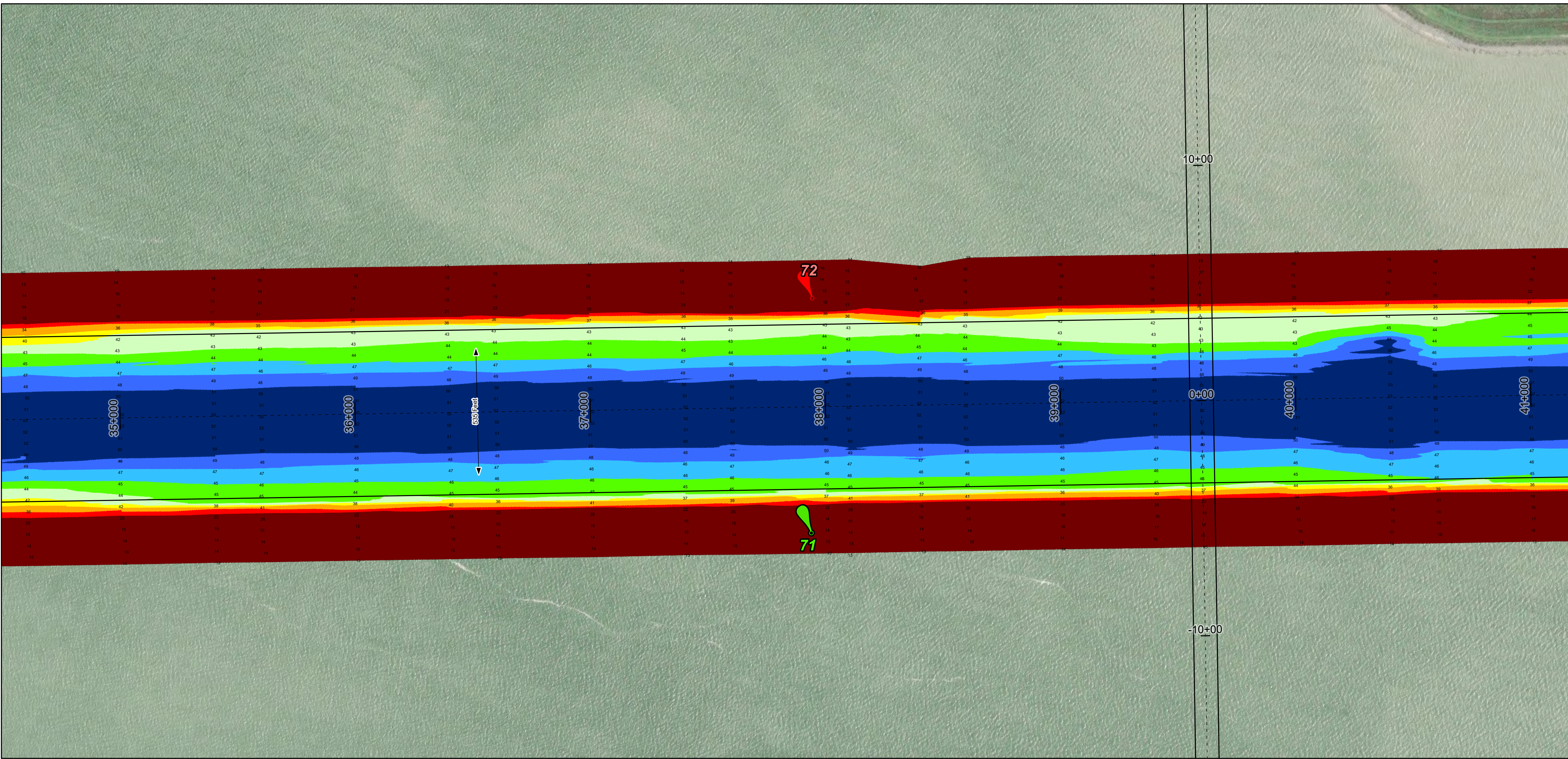
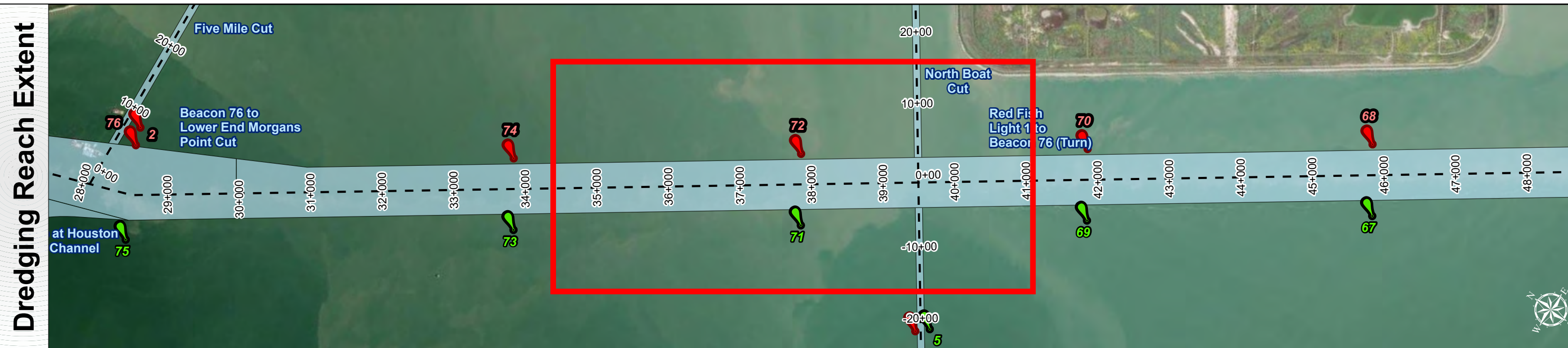
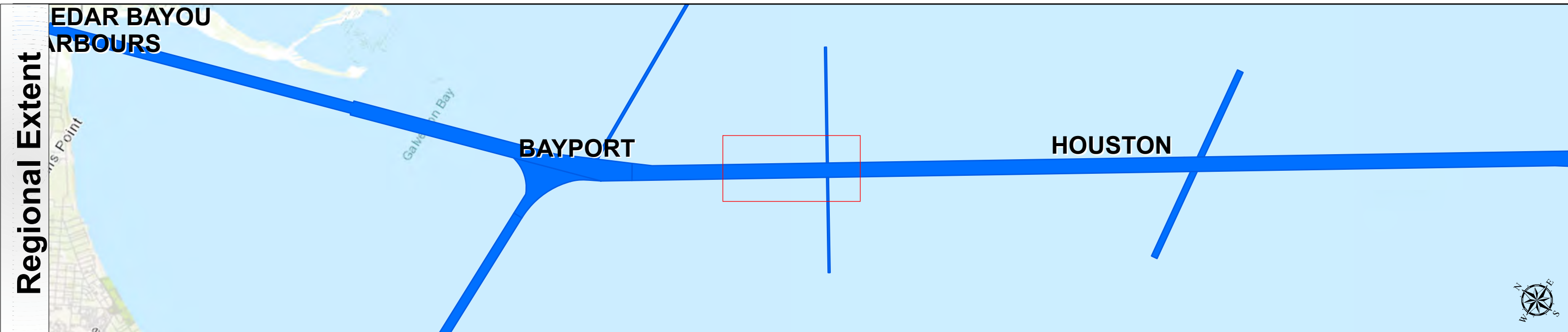
**Station: 78+844 to 30+091**  
**HOUSTON**  
Red Fish Light 1 to Beacon 76 (Turn)



# Houston Ship Channel: Red Fish Light 1 to Beacon 76 (Turn)



U.S. Army Corps of Engineers  
Galveston District



## Channel Features

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

## Aids to Navigation

Green Side Aids  
Red Side Aids  
Lights

## MLLW



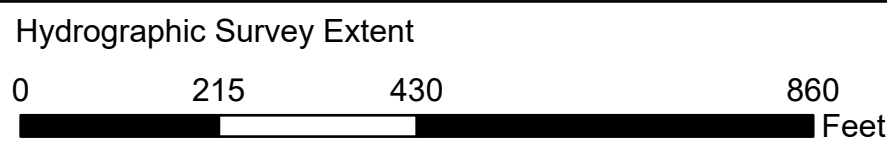
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## Additional Combined Survey Dates and Stationing:

Combined survey dates 20250319\_PR\_42P400\_30P090; 20250325\_PR\_59P400\_42P400;  
20250327\_PR\_78P844\_59P400

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



Latest Survey Collection Date: 27 March 2025

Document Page: 8 of 9

Scale: 1:2,500

Mapped by: M3AOXPAC

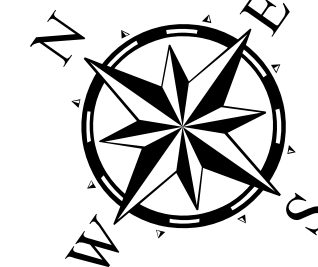
Additional Imagery info:

Authorized Depth: -46ft.

Width Range: 700ft to 700ft

Side Slope Ratio: 1:2.5 (Rise : Run)

PDF Print Date: 4/11/2025



## HYDROGRAPHIC SURVEY

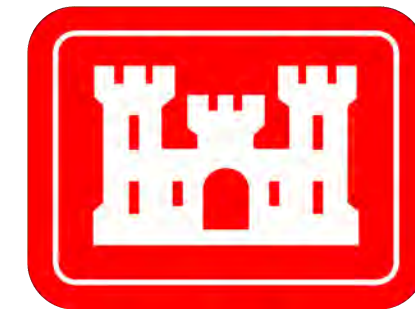
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

Station: 78+844 to 30+091

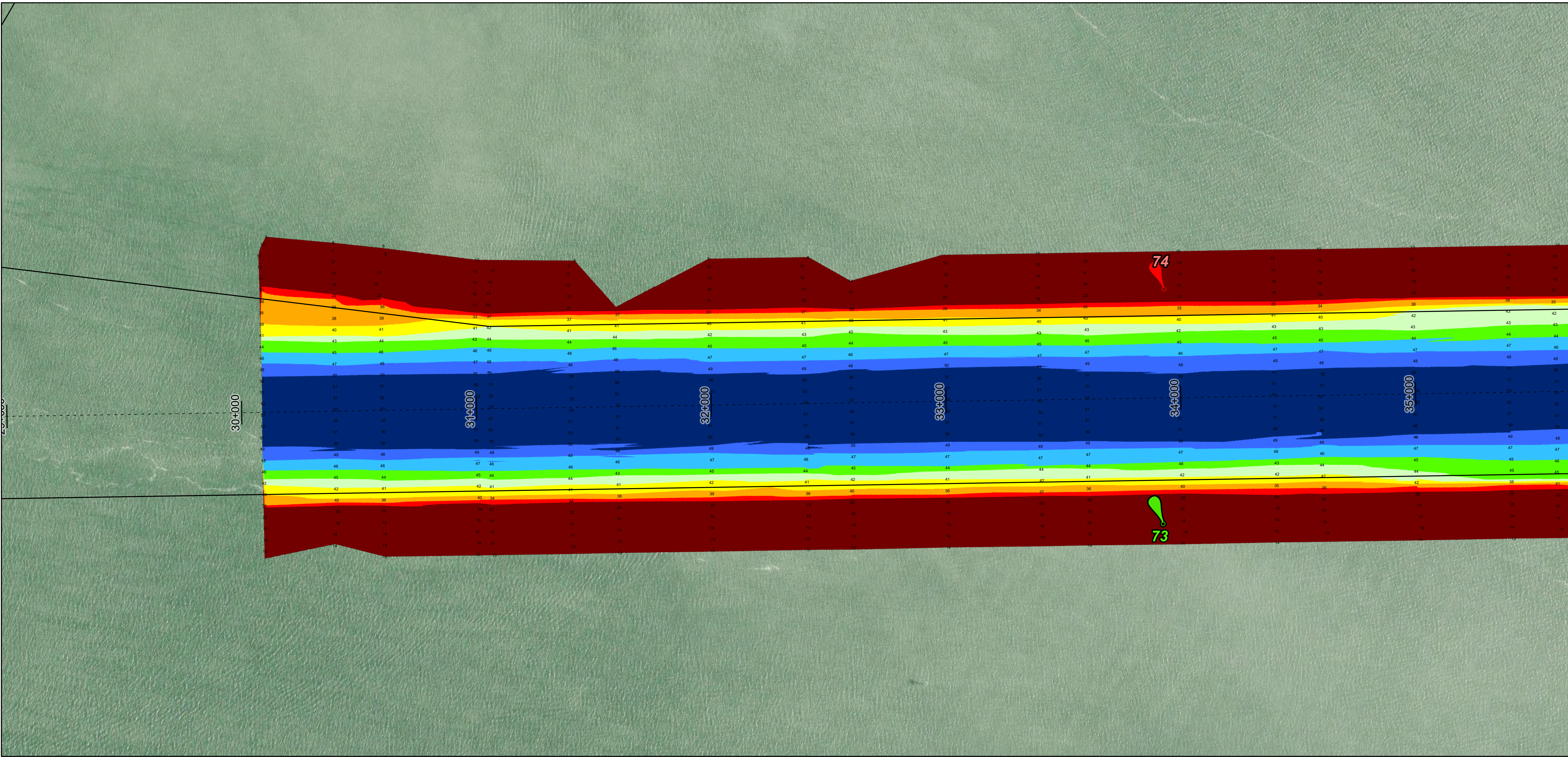
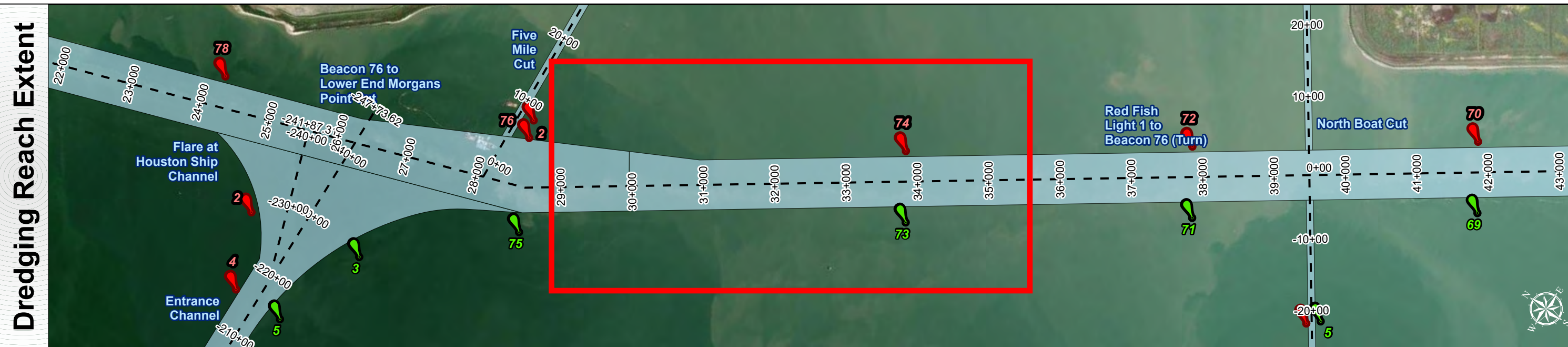
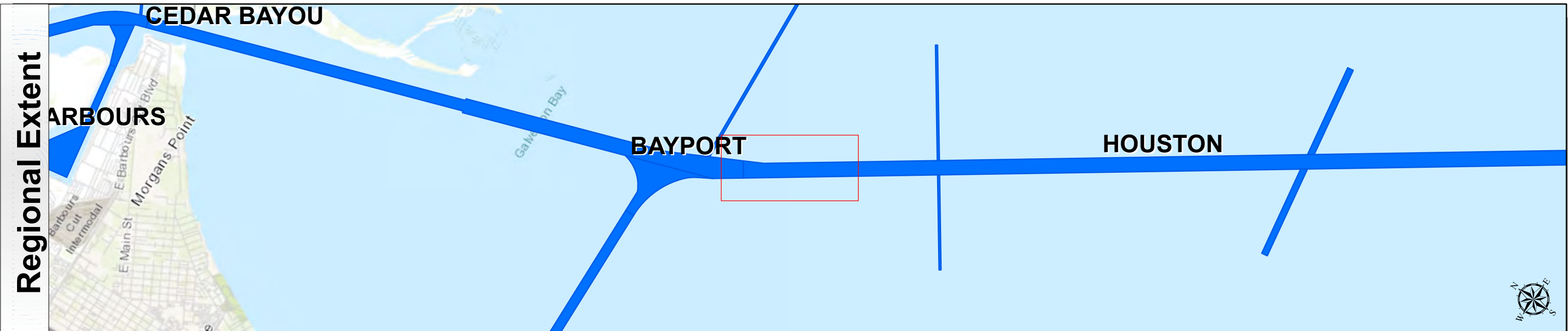
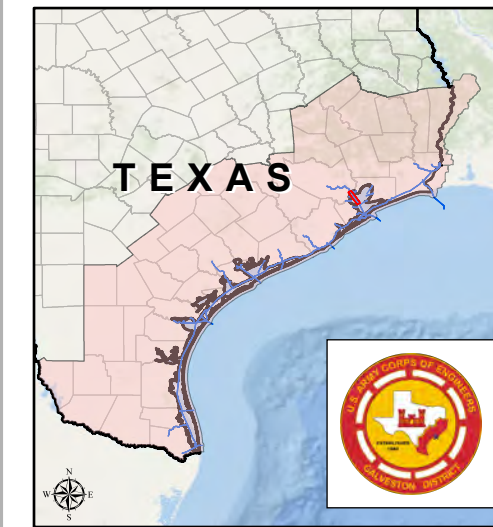
HOUSTON  
Red Fish Light 1 to Beacon 76 (Turn)



# Houston Ship Channel: Red Fish Light 1 to Beacon 76 (Turn)



U.S. Army Corps of Engineers  
Galveston District



## 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. Elevations are referenced to Mean Lower Low Water (MLLW) datum.  
3. This project was designed by the Galveston District of the U.S. Army Corps of Engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by 47CFR 117.1-41.12.  
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 200.325.  
5. For the most up to date information please check our website at: <http://www.svg.usace.army.mil/Missions/Navigation/HydrographicSurveys/>  
Service Layer Credits: World Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community  
World Topographic Map: City of Houston, HPB, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NGA, EPA, USDA  
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:  
Combined survey dates 20250319\_PR\_42P400\_30P090; 20250325\_PR\_59P400\_42P400;  
20250327\_PR\_78P844\_59P400

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

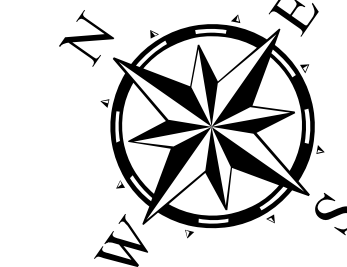
Dredging Reach Extent  
0 0.25 0.5 1 Miles

Hydrographic Survey Extent  
0 215 430 860 Feet

## HYDROGRAPHIC SURVEY

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

Station: 78+844 to 28+605  
HOUSTON  
Red Fish Light 1 to Beacon 76 (Turn)



Latest Survey Collection Date: 27 March 2025

Document Page: 9 of 9

Website Index Number: 19

Authorized Depth: -46ft.

Width Range: 700ft to 700ft

Side Slope Ratio: 1:2.5 (Rise : Run)

PDF Print Date: 4/11/2025

Mapped by: M3AOXPAC

Additional Imagery info: