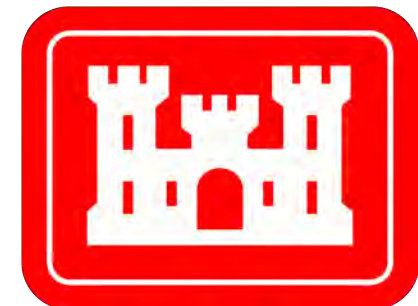
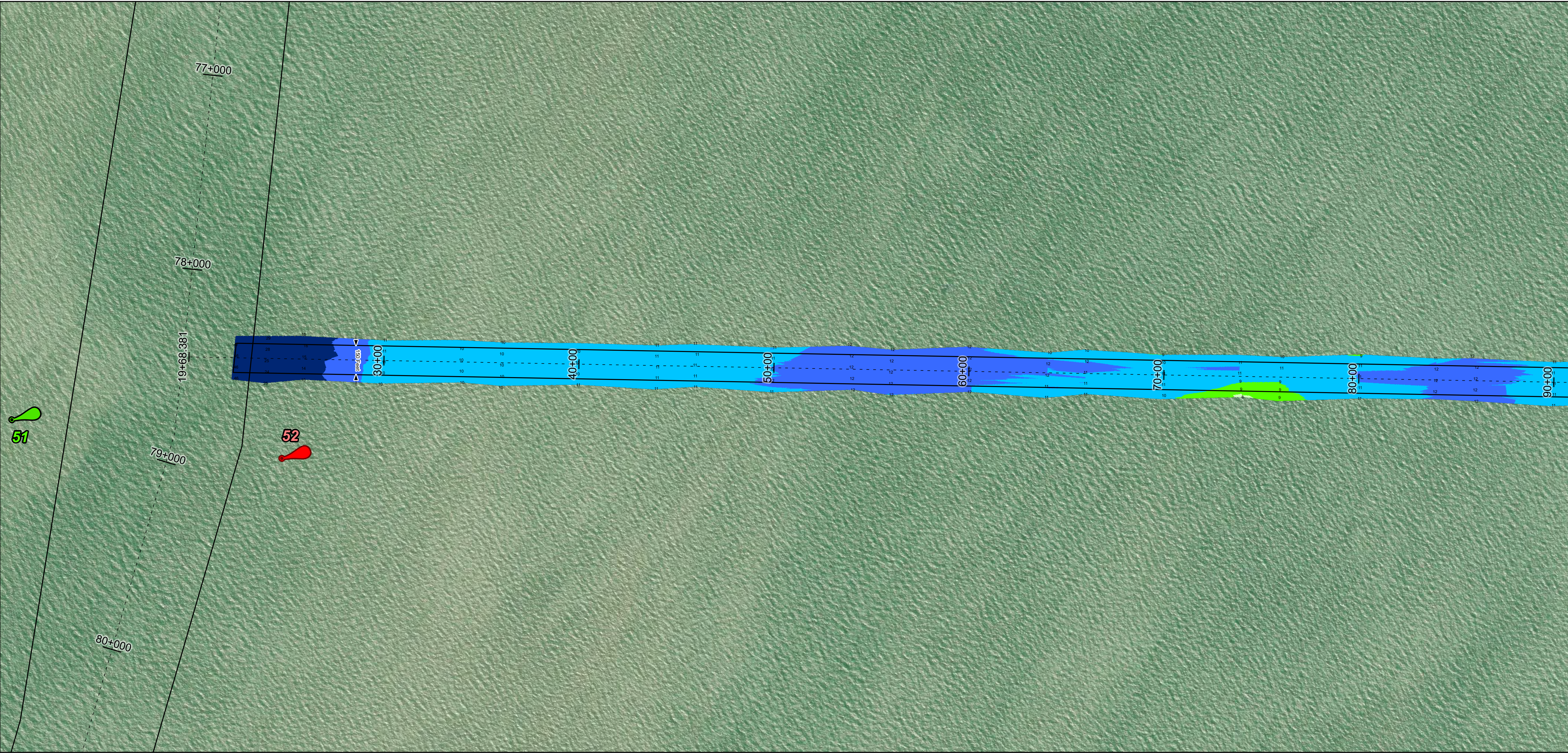
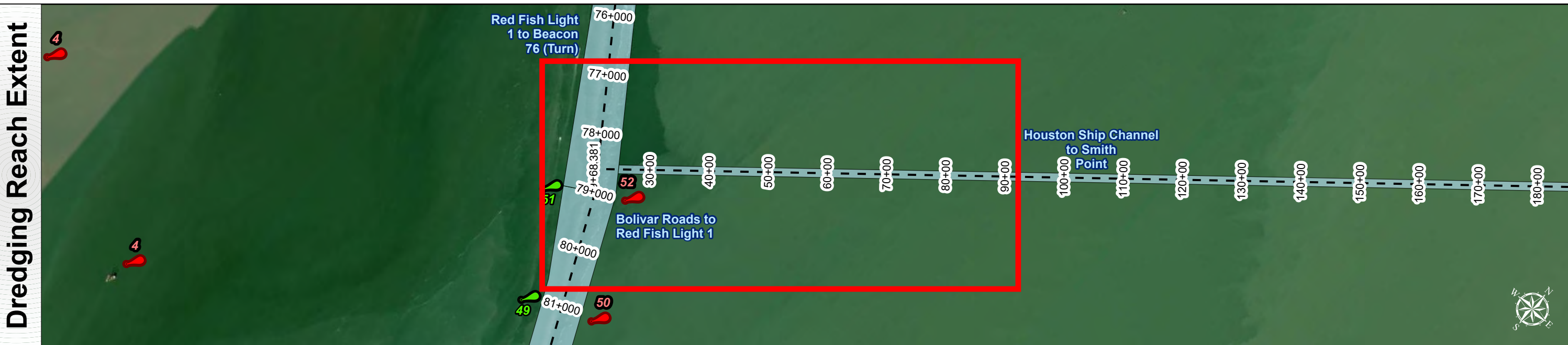
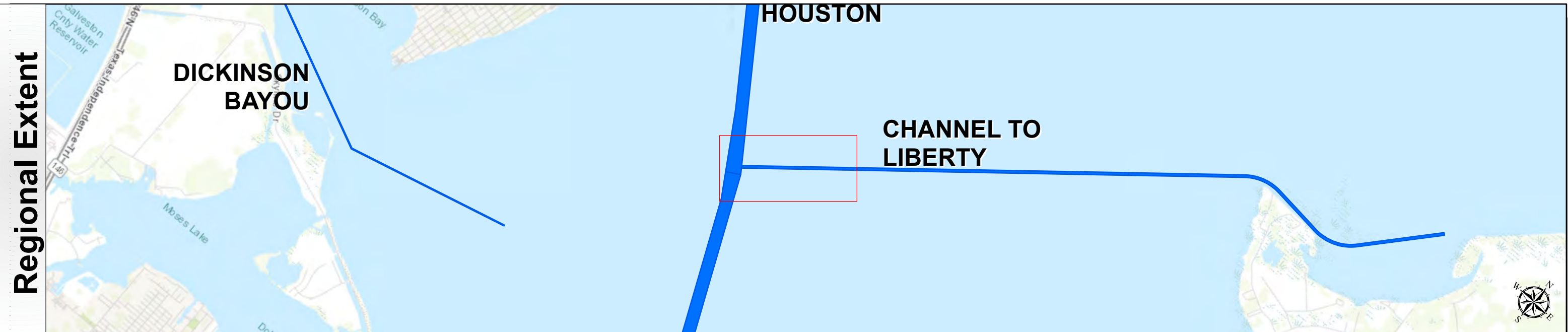


Channel to Liberty: Houston Ship Channel to Smith Point



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

0 - 1	1 - 3	3 - 5	5 - 7	7 - 9	9 - 10	10 - 12	12 - 14	< 14
Dark Blue	Red	Orange	Yellow	Light Green	Green	Light Blue	Dark Blue	Dark Blue

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 110.1-41.02.
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5. For the most up to date information please check our website at: <http://www.usace.army.mil/Missions/Navigation/HydrographicSurveys/>
Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, 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

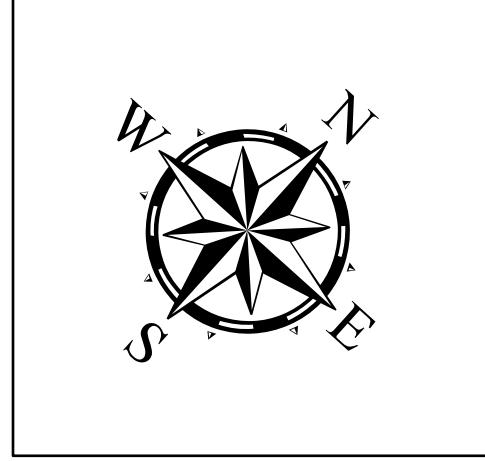
Dredging Reach Extent

0	0.3	0.6	1.2
Miles			

Hydrographic Survey Extent

0	255	510	1,020
Feet			

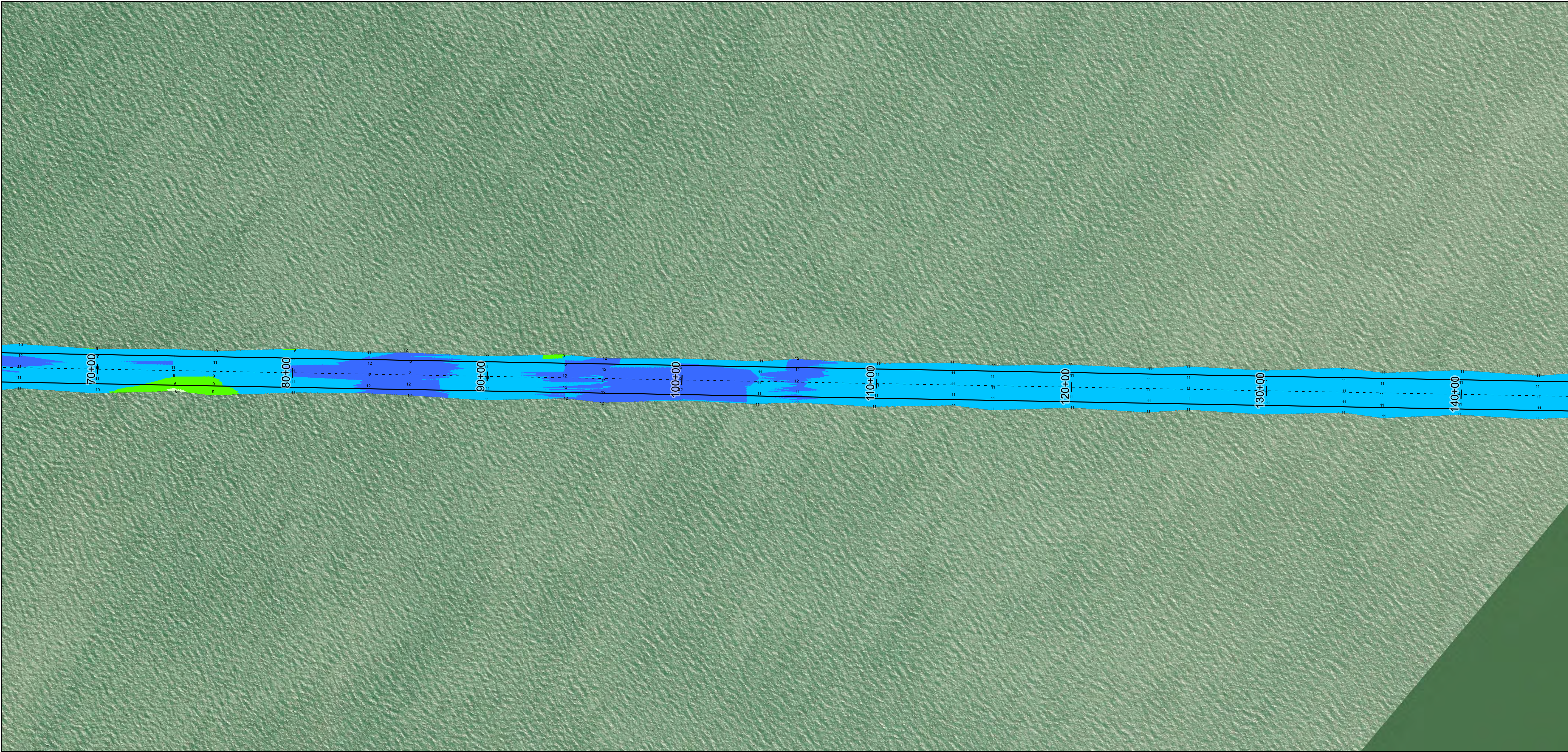
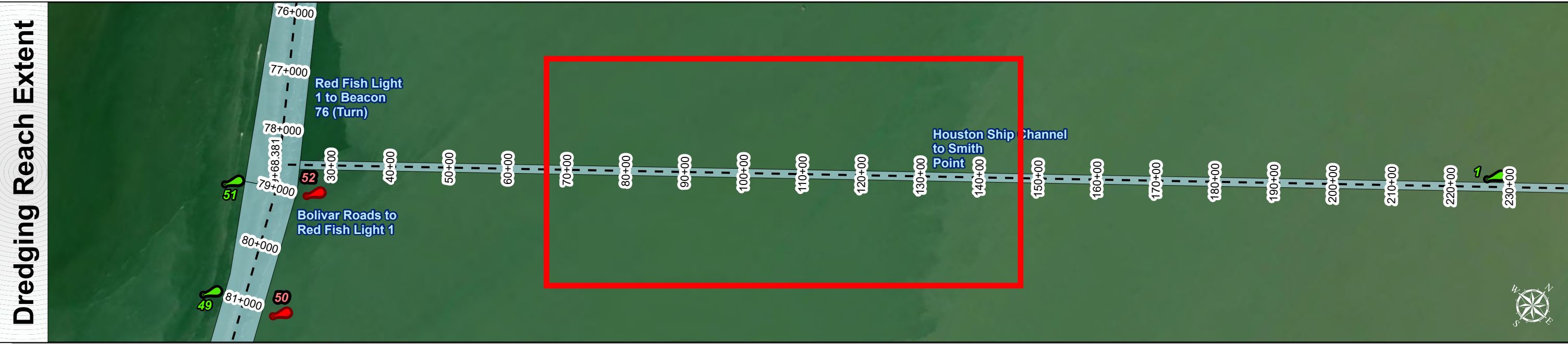
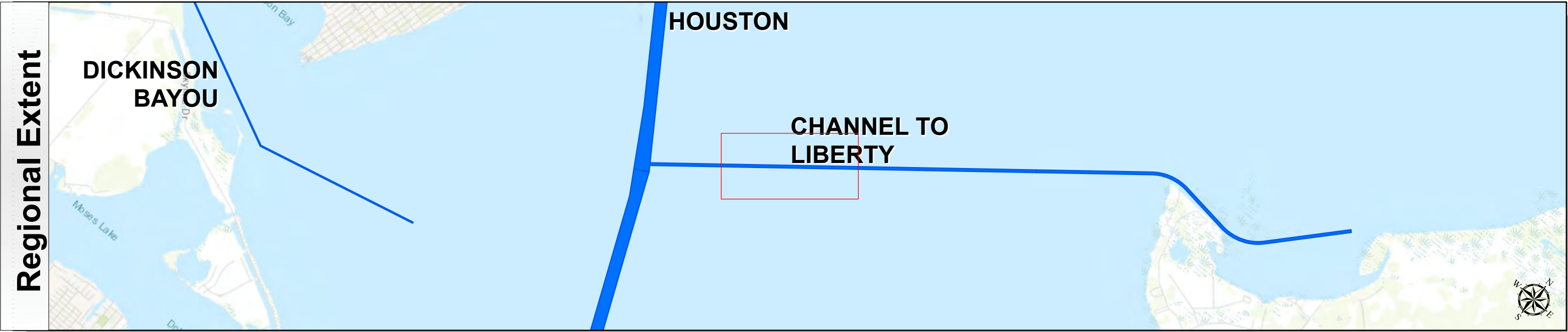
Latest Survey Collection Date: 22 May 2025		Authorized Depth: -10ft.
Document Page: 1 of 7	Website Index Number: 1	Width Range: 150ft to 150ft
Scale: 1:3,000		Side Slope Ratio: (Rise : Run)
Mapped by: m3odnmhg		PDF Print Date: 6/13/2025
Additional Imagery info:		



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 to Liberty: Houston Ship Channel to Smith Point



Channel Features

- Channel Center Line
- Channel Toe
- Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 1	1 - 3	3 - 5	5 - 7	7 - 9	9 - 10	10 - 12	12 - 14	< 14

NOTES:

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- Elevations are referenced to Mean Lower Low Water (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 er1110-1-6102.
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- 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 Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, 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

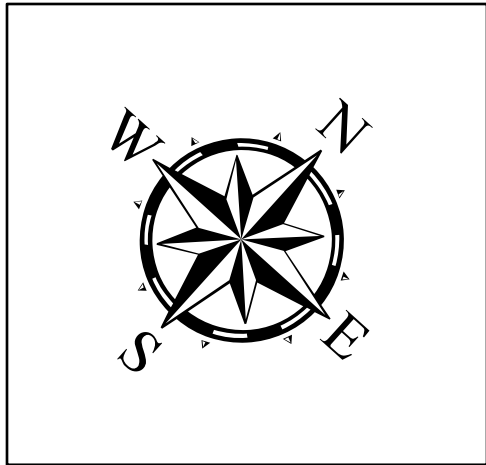
Dredging Reach Extent

0 0.3 0.6 1.2 Miles

Hydrographic Survey Extent

0 255 510 1,020 Feet

Latest Survey Collection Date: 22 May 2025		Authorized Depth: ~10ft.
Document Page: 2 of 7	Website Index Number: 2	Width Range: 150ft to 150ft
Scale: 1:3,000		Side Slope Ratio: (Rise : Run)
Mapped by: m3odnmhg		PDF Print Date: 6/13/2025
Additional Imagery info:		



HYDROGRAPHIC SURVEY

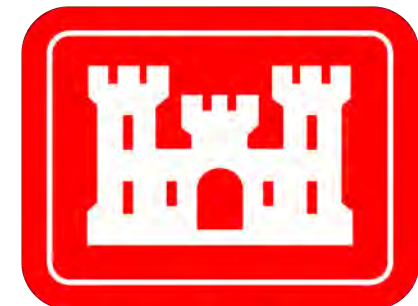
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 19+68.381 to 450+00

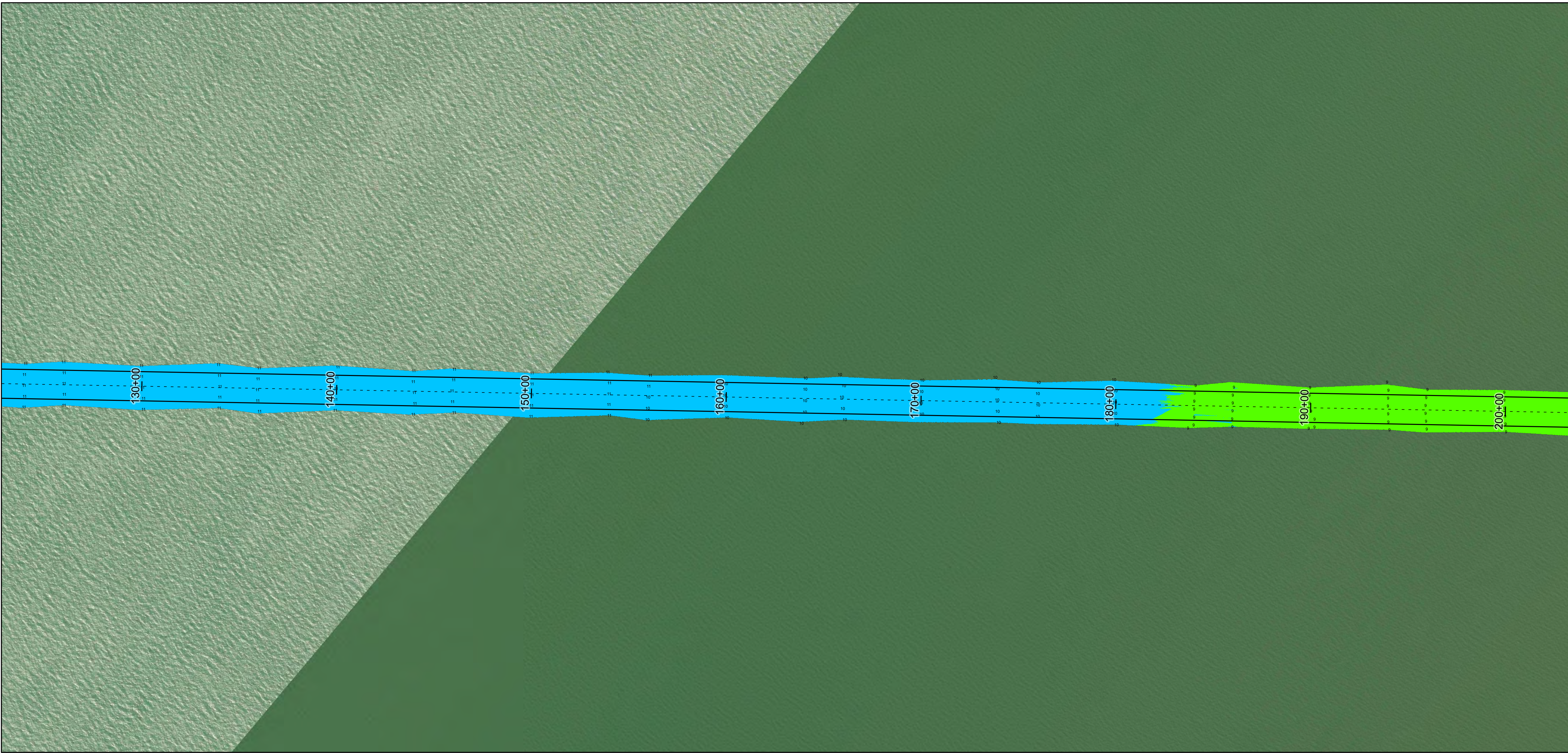
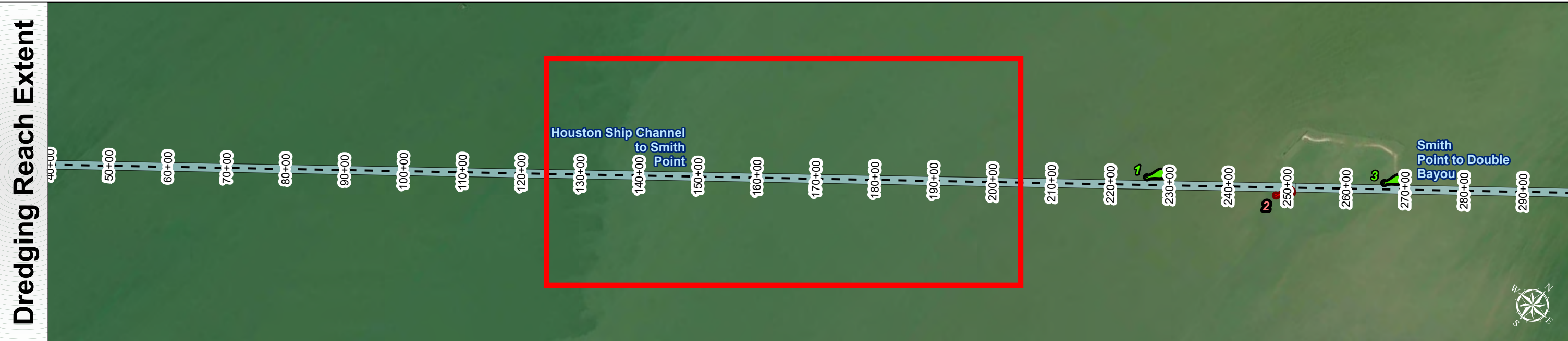
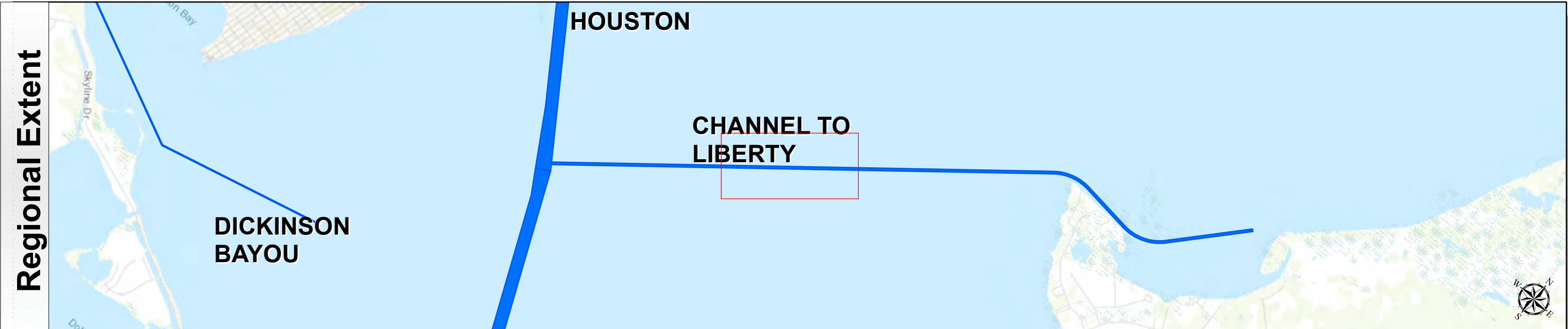
CHANNEL TO LIBERTY

Houston Ship Channel to Smith Point

Channel to Liberty: Houston Ship Channel to Smith Point



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

0 - 1	1 - 3	3 - 5	5 - 7	7 - 9	9 - 10	10 - 12	12 - 14	< 14

NOTES:
1. Horizontal coordinates are referenced to Texas State Plane Coordinate System, South Central Zone NAD83 US Survey Feet.
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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: Maxar
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

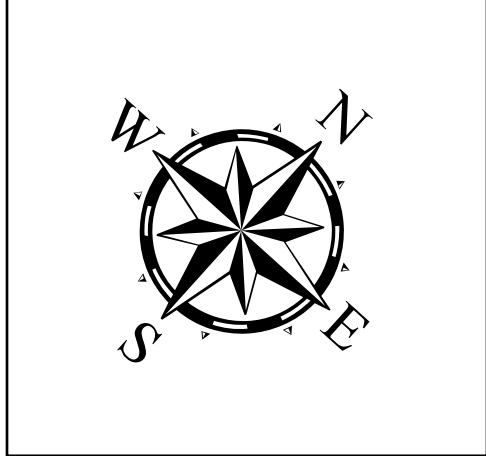
Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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

Dredging Reach Extent
0 0.3 0.6 1.2 Miles

Hydrographic Survey Extent
0 255 510 1,020 Feet

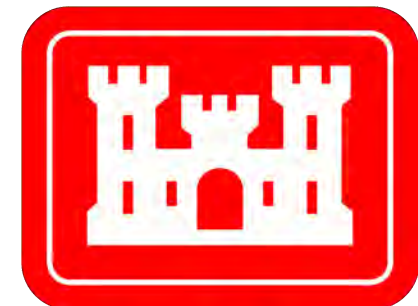
Latest Survey Collection Date: 22 May 2025		Authorized Depth: -10ft.
Document Page: 3 of 7	Website Index Number: 3	Width Range: 150ft to 150ft
Scale: 1:3,000		Side Slope Ratio: (Rise : Run)
Mapped by: m3odnmhg		PDF Print Date: 6/13/2025
Additional Imagery info:		



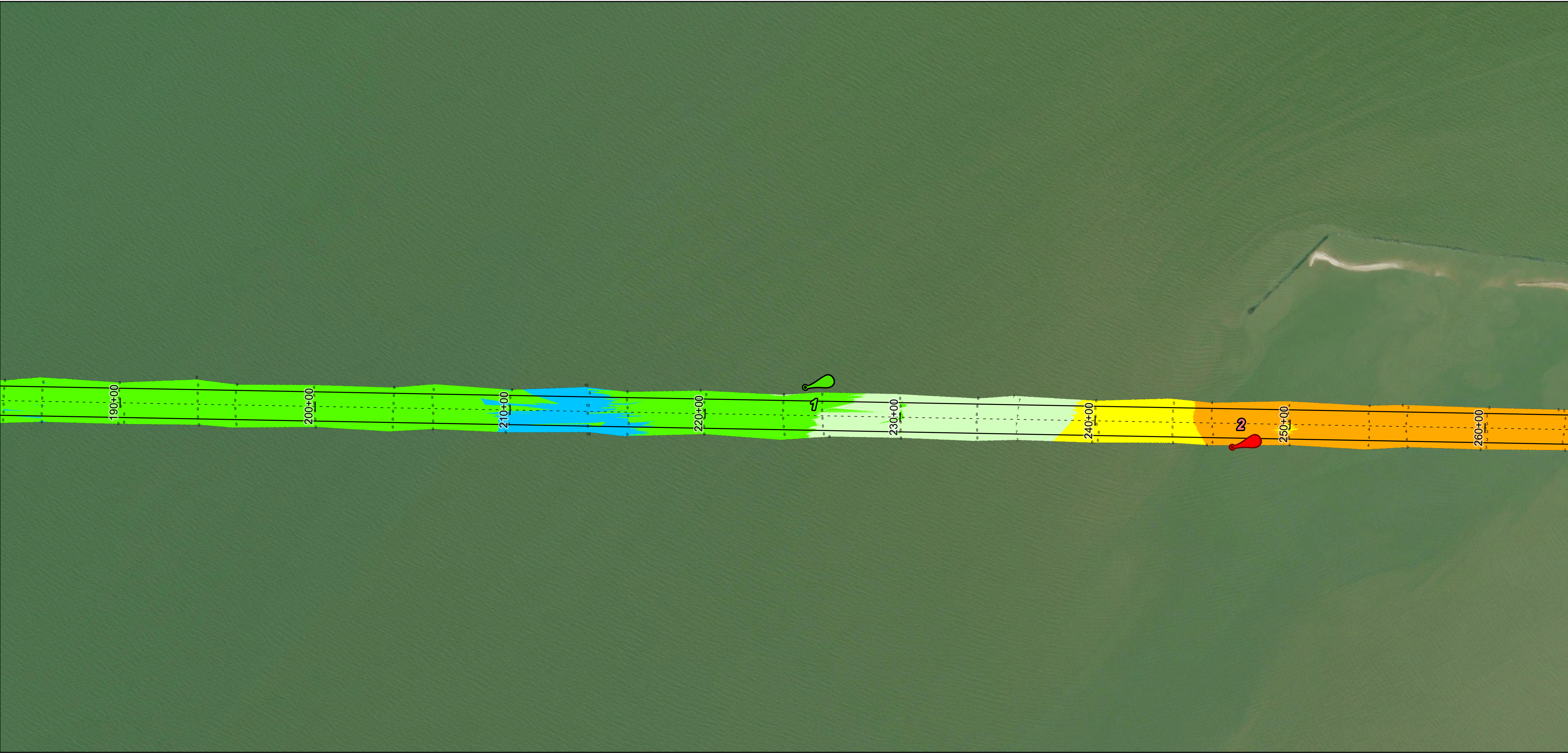
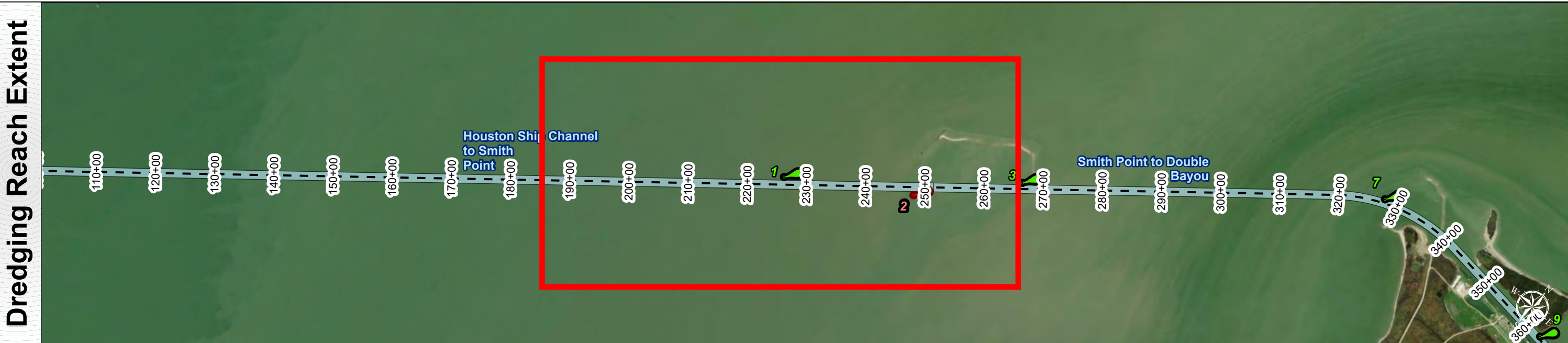
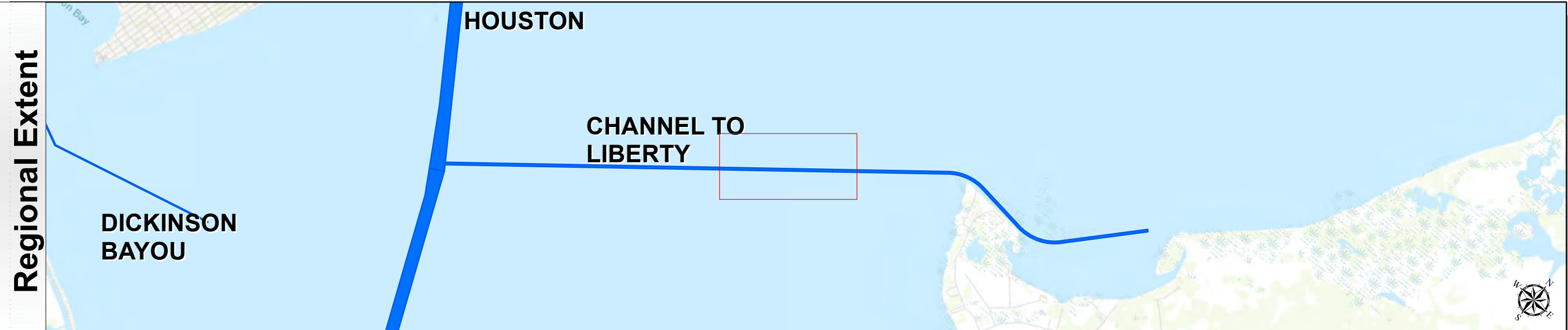
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 19+68.381 to 450+00
CHANNEL TO LIBERTY
Houston Ship Channel to Smith Point

Channel to Liberty: Houston Ship Channel to Smith Point



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

0 - 1	1 - 3	3 - 5	5 - 7	7 - 9	9 - 10	10 - 12	12 - 14	< 14

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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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 Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, 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

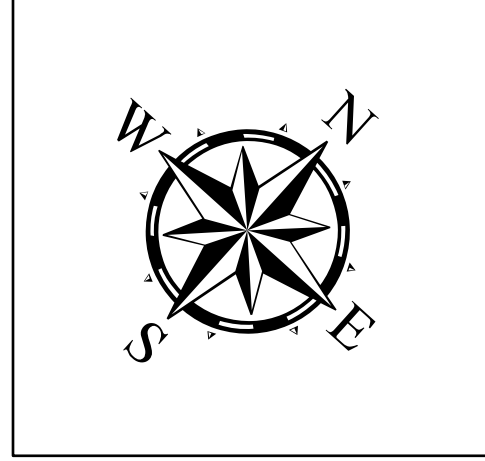
Dredging Reach Extent

0 0.3 0.6 1.2 Miles

Hydrographic Survey Extent

0 255 510 1,020 Feet

Latest Survey Collection Date: 22 May 2025		Authorized Depth: ~10ft.
Document Page: 4 of 7	Website Index Number: 4	Width Range: 150ft to 150ft
Scale: 1:3,000		Side Slope Ratio: (Rise : Run)
Mapped by: m3odnmhg		PDF Print Date: 6/13/2025
Additional Imagery info:		



HYDROGRAPHIC SURVEY

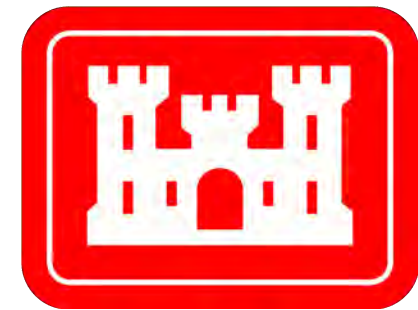
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 19+68.381 to 450+00

CHANNEL TO LIBERTY

Houston Ship Channel to Smith Point

Channel to Liberty: Houston Ship Channel to Smith Point



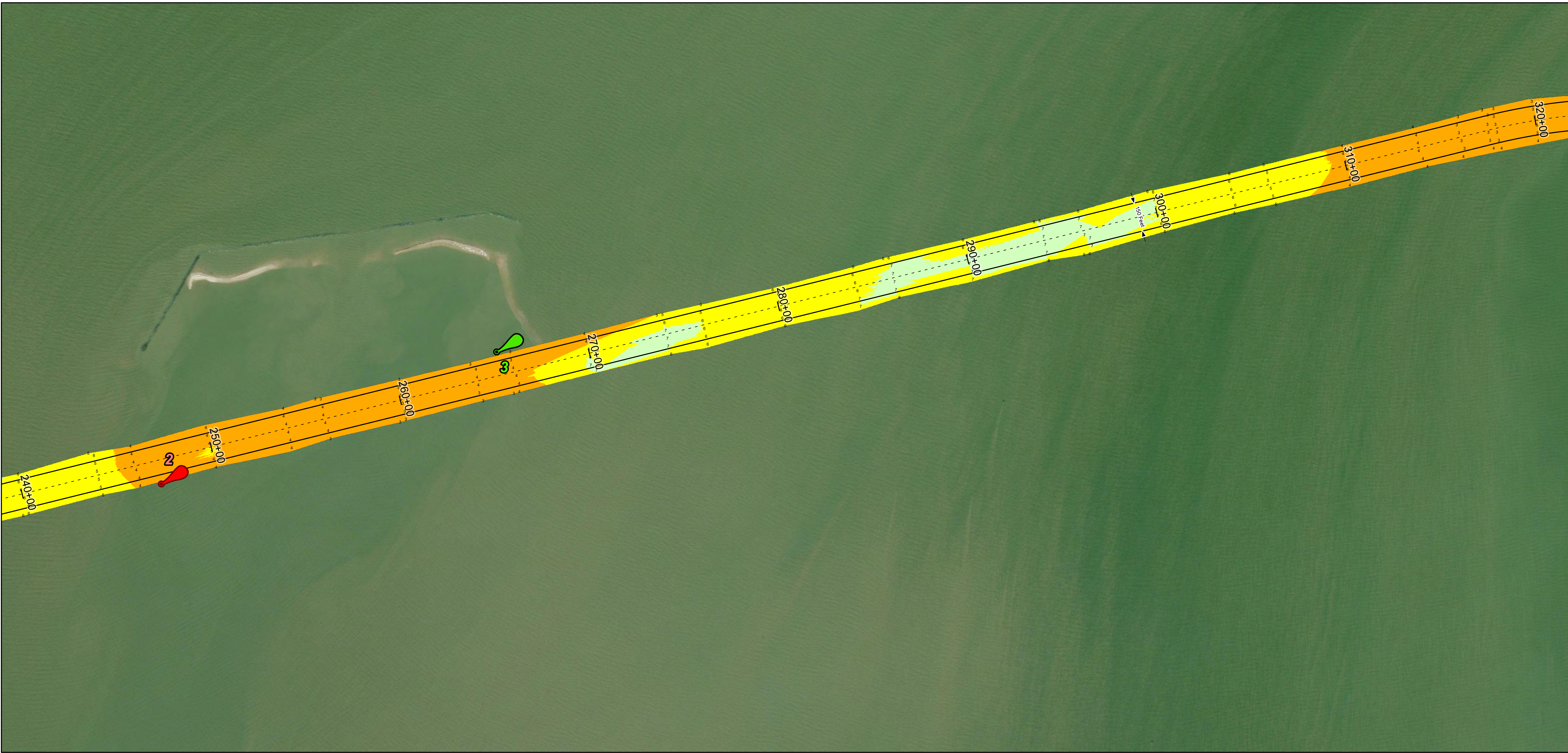
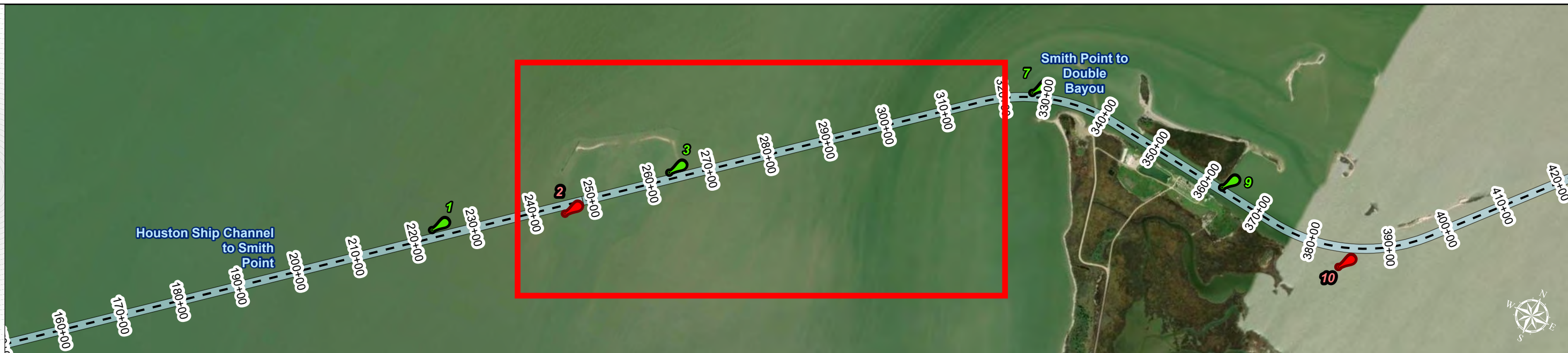
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



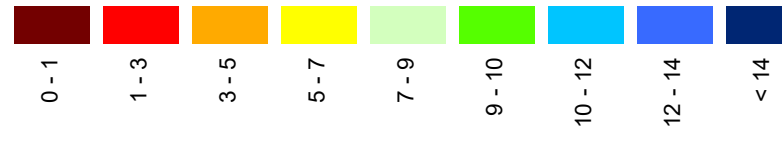
Channel Features

- Channel Center Line
- Channel Toe
- Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

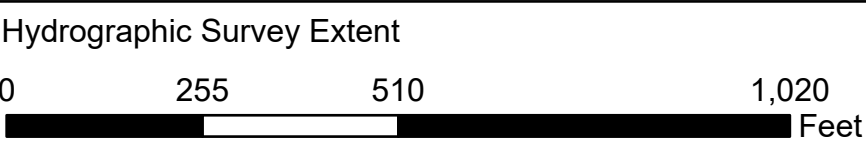
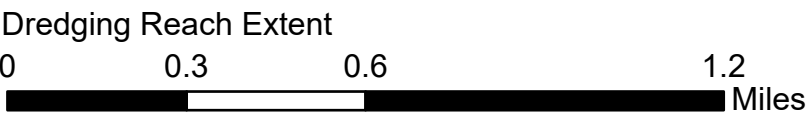
MLLW



NOTES:
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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, 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



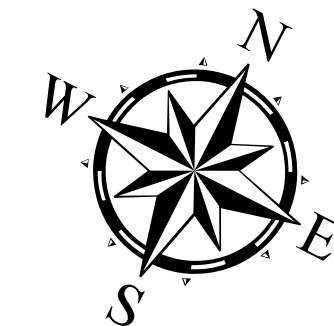
HYDROGRAPHIC SURVEY

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

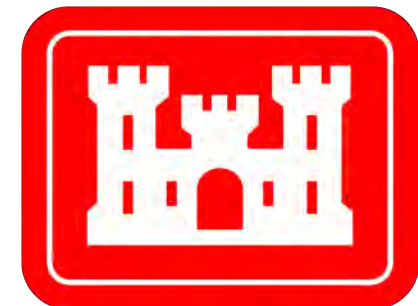
Latest Survey Collection Date: 22 May 2025
Document Page: 5 of 7
Scale: 1:3,000
Mapped by: m3odnmhg
Additional Imagery info:

Authorized Depth: -10ft
Width Range: 150ft to 150ft
Side Slope Ratio: (Rise : Run)
PDF Print Date: 6/13/2025

Website Index Number: 5



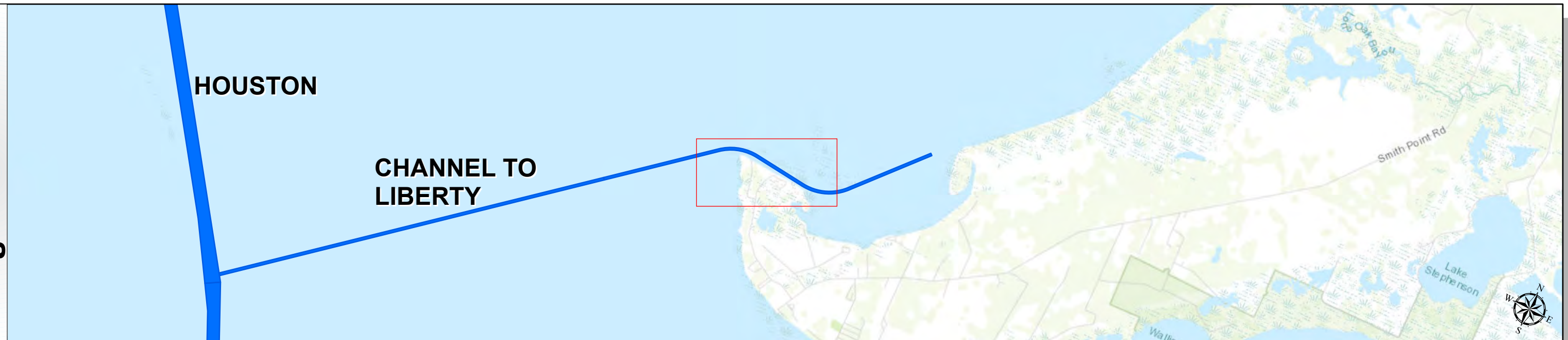
Channel to Liberty: Houston Ship Channel to Smith Point



U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



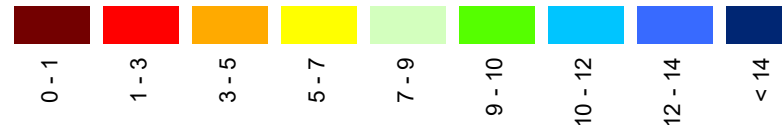
Channel Features

- Channel Center Line
- Channel Toe
- Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

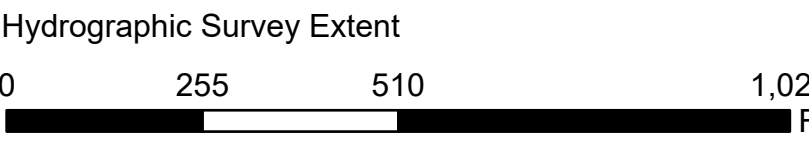
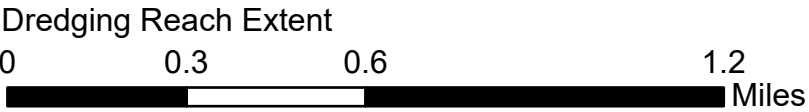
MLLW



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.
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5. For the most up to date information please check our website at: <http://www.usace.army.mil/Missions/Navigation/HydrographicSurveys/>
Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, 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



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

Latest Survey Collection Date: 22 May 2025

Document Page: 6 of 7

Website Index Number: 6

Scale: 1:3,000

Mapped by: m3odnmhg

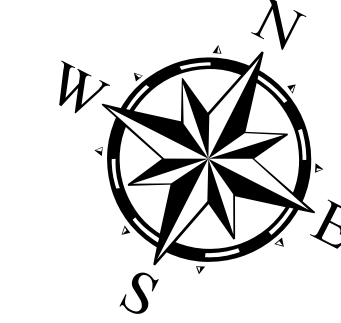
Additional Imagery info:

Authorized Depth: -10ft.

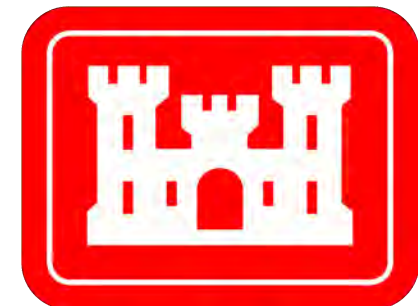
Width Range: 150ft to 150ft

Side Slope Ratio: (Rise : Run)

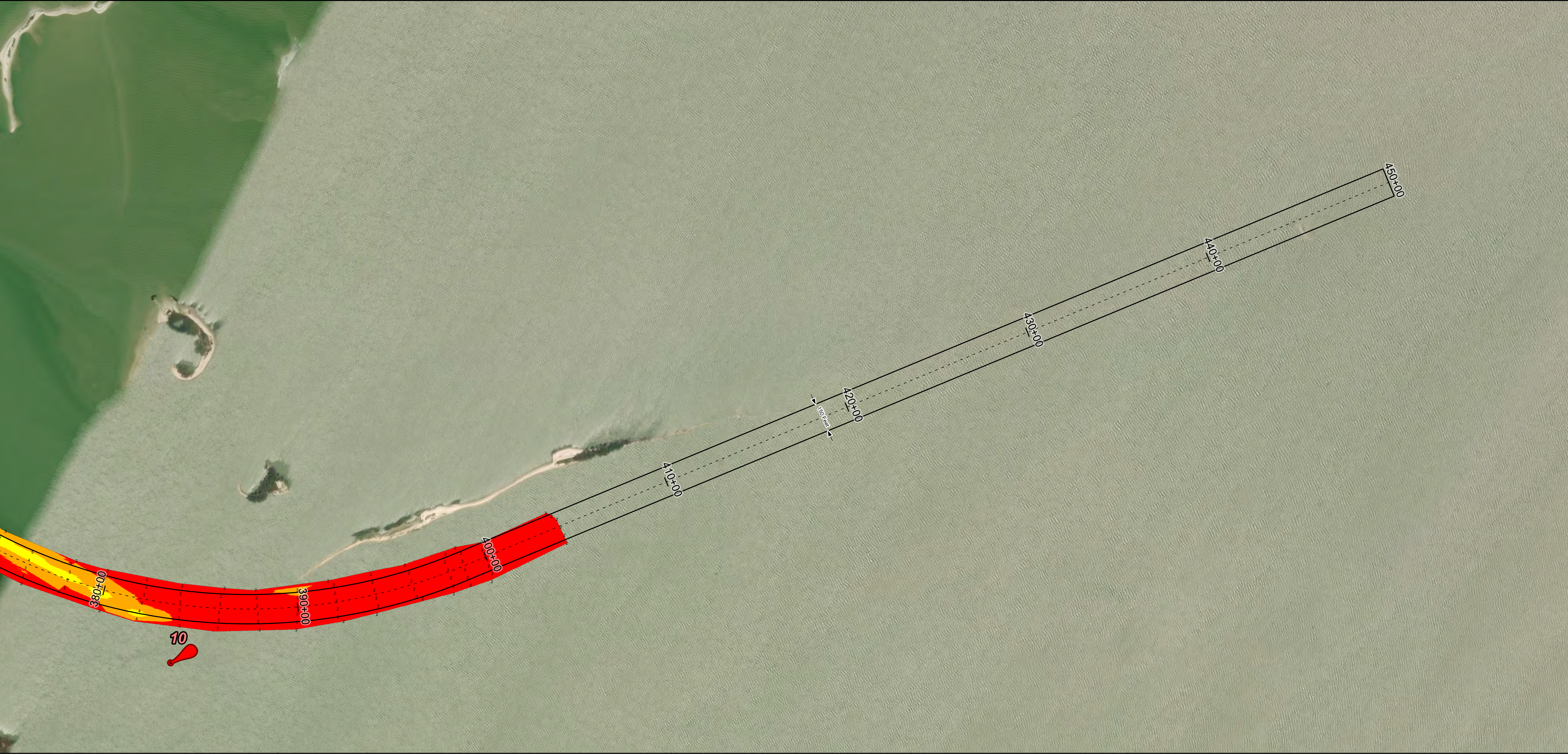
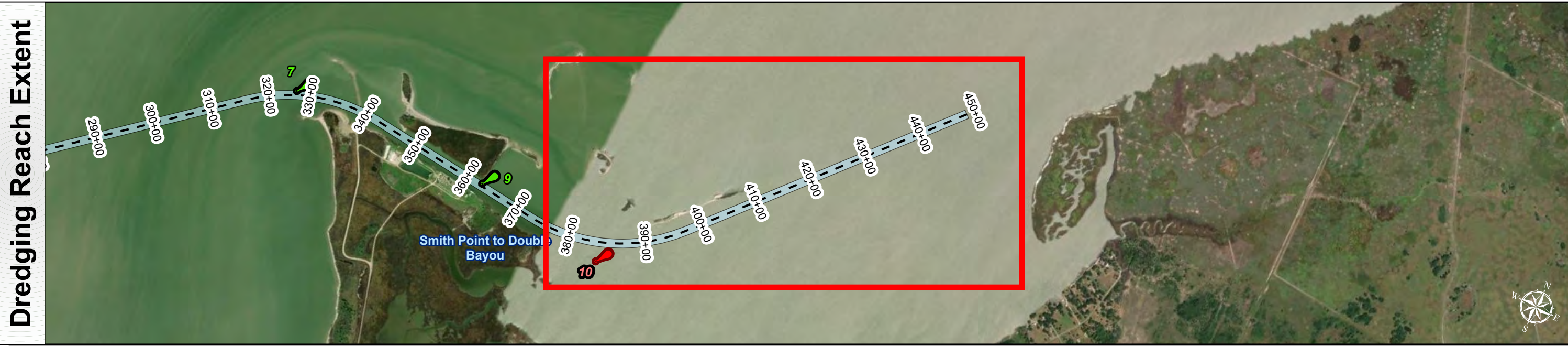
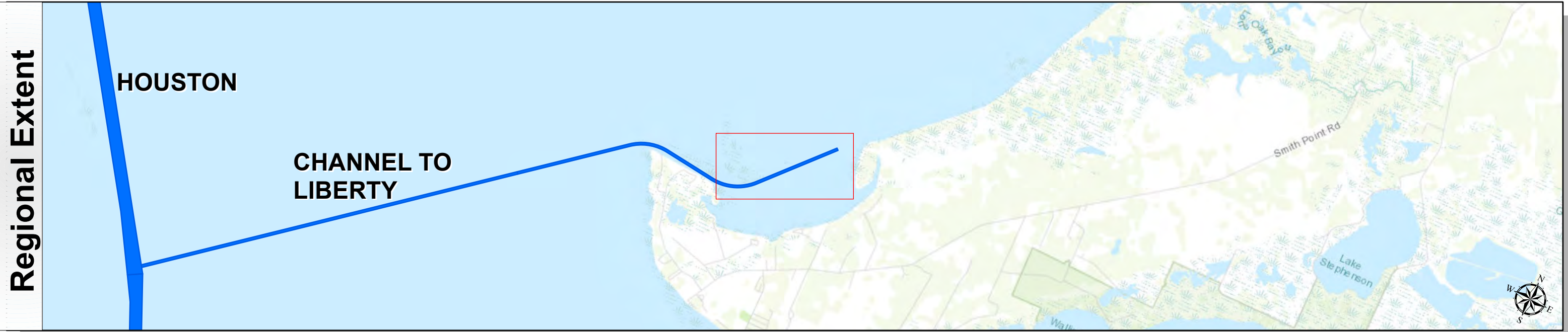
PDF Print Date: 6/13/2025



Channel to Liberty: Houston Ship Channel to Smith Point



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

0 - 1	1 - 3	3 - 5	5 - 7	7 - 9	9 - 10	10 - 12	12 - 14	< 14

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: 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

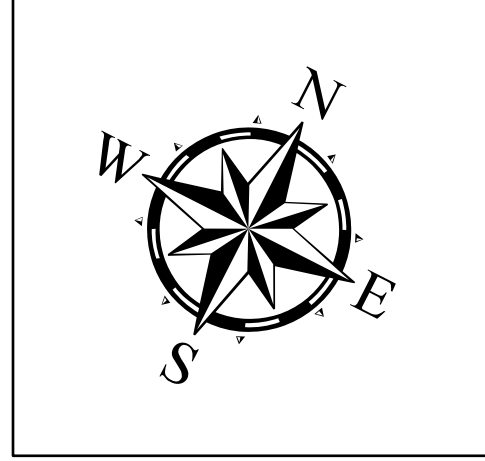
Dredging Reach Extent

0 0.3 0.6 1.2 Miles

Hydrographic Survey Extent

0 255 510 1,020 Feet

Latest Survey Collection Date: 22 May 2025		Authorized Depth: -10ft.
Document Page: 7 of 7	Website Index Number: 7	Width Range: 150ft to 150ft
Scale: 1:3,000		Side Slope Ratio: (Rise : Run)
Mapped by: m3odnmhg		PDF Print Date: 6/13/2025
Additional Imagery info:		



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