

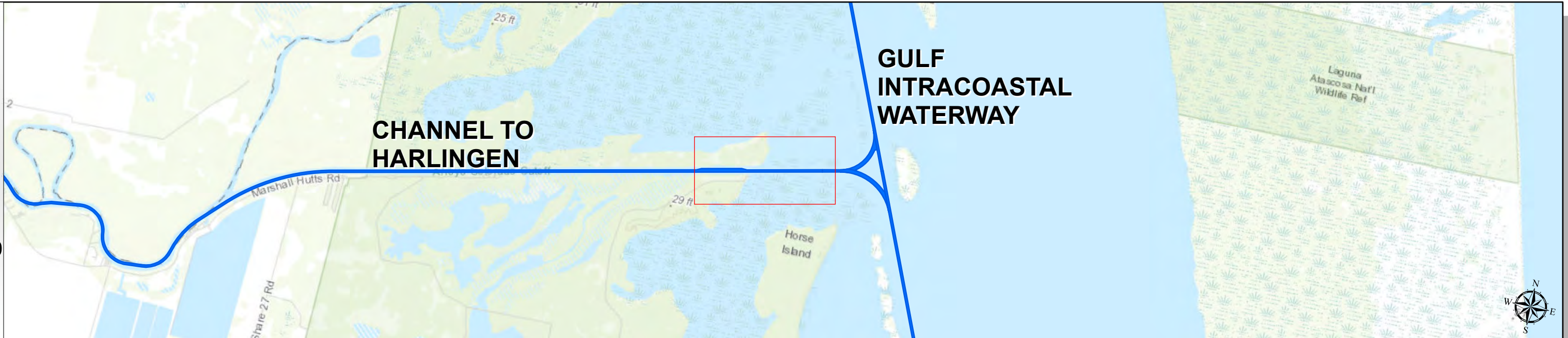
Channel to Harlingen: Mile 0 to Mile 8



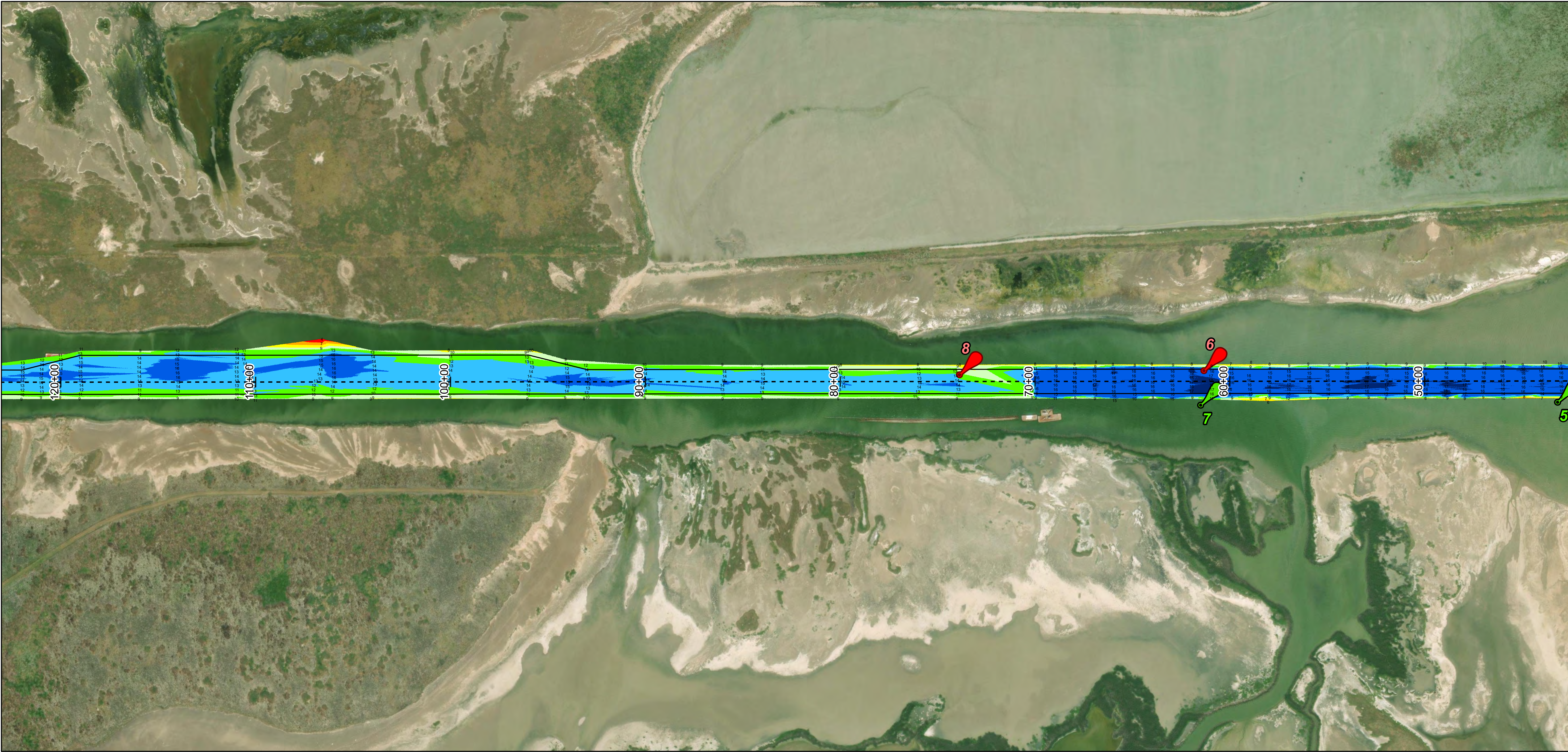
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



Channel Features

- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

LWD



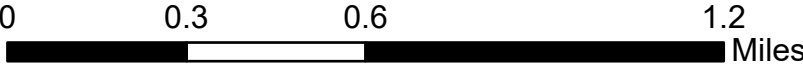
NOTES:
1. Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
2. Elevations are referenced to low water depth (LWD) datum.
3. This project was designed by the Galveston District of the U.S. Army Corps of Engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by 47 CFR 111.01-01152.
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.svg.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

Additional Combined Survey Dates and Stationing:

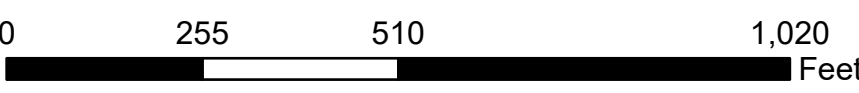
Combined survey dates 20230323_CS;20231028_AD_20E_39P71_070P00

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent



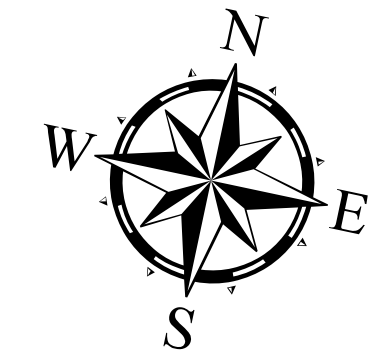
Hydrographic Survey Extent



HYDROGRAPHIC SURVEY

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

Station: 50+00 to 420+00
CHANNEL TO HARLINGEN
Mile 0 to Mile 8



Latest Survey Collection Date: 28 October 2023

Document Page: 1 of 6

Scale: 1:3,000

Mapped by: M3AOXPAC

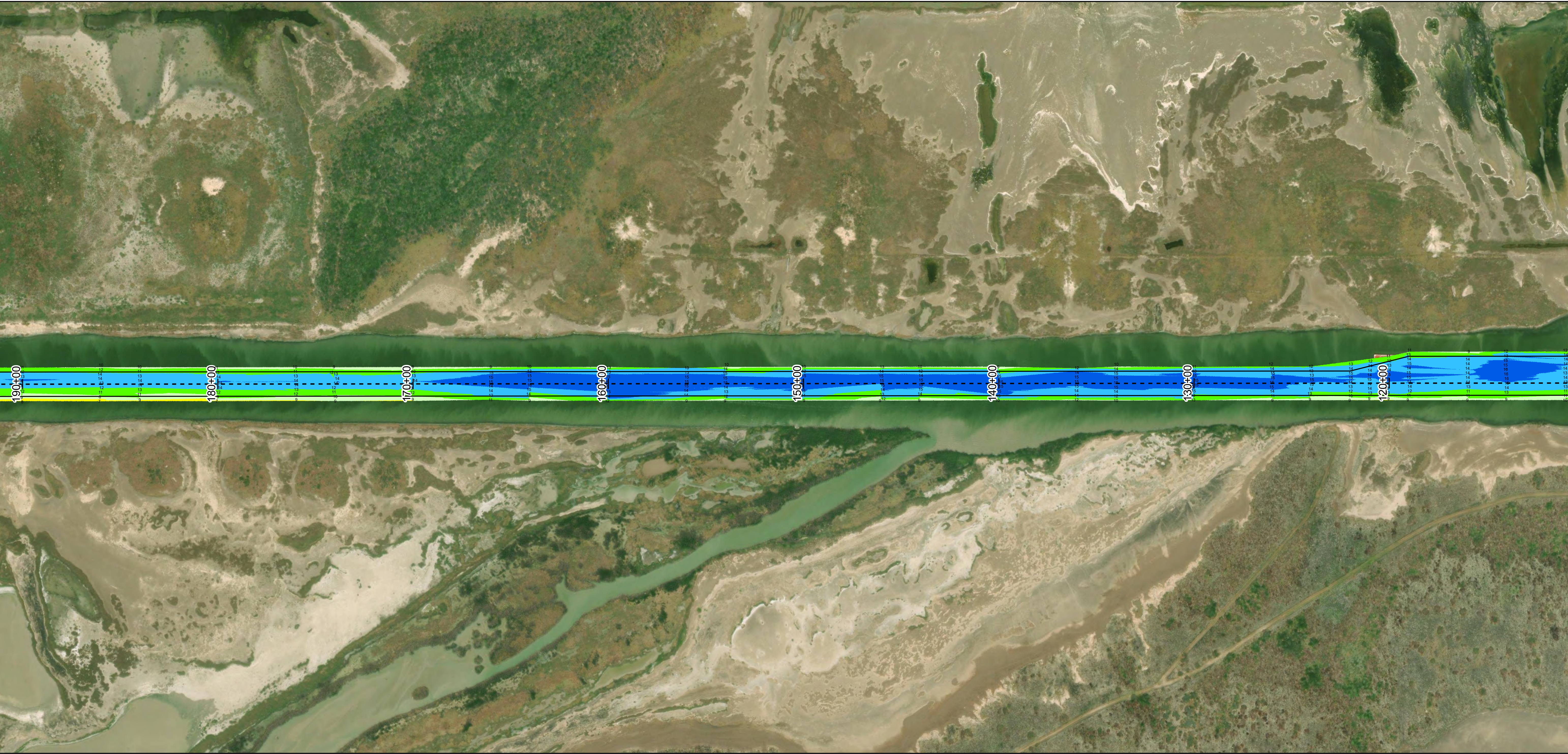
Additional Imagery info:

Authorized Depth: -13ft.

Side Slope Ratio: 1:02 (Rise : Run)

PDF Print Date: 11/1/2023

Channel to Harlingen: Mile 0 to Mile 8



Channel Features

- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

LWD

0 - 3	3 - 5	5 - 7	7 - 9	9 - 11	11 - 13	13 - 15	15 - 17	< 17
Dark Red	Red	Orange	Yellow	Light Green	Green	Blue	Dark Blue	Black

NOTES:

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- Elevations are referenced to low water depth (LWD) 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:

Combined survey dates 20230323_CS;20231028_AD_20E_39P71_070P00

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic

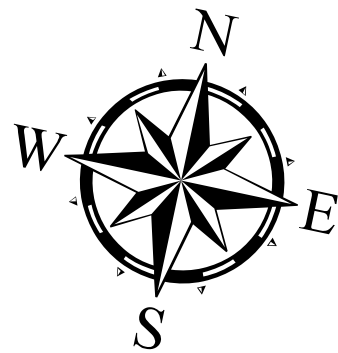
Dredging Reach Extent

0 0.3 0.6 1.2 Miles

Hydrographic Survey Extent

0 255 510 1,020 Feet

Latest Survey Collection Date: 28 October 2023		Authorized Depth: -13ft.	
Document Page: 2 of 6	Website Index Number: 4	Side Slope Ratio: 1:02 (Rise : Run)	
Scale: 1:3,000		PDF Print Date: 11/1/2023	
Mapped by: M3AOXPAC			
Additional Imagery info:			



HYDROGRAPHIC SURVEY

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

Station: 50+00 to 420+00
CHANNEL TO HARLINGEN
Mile 0 to Mile 8

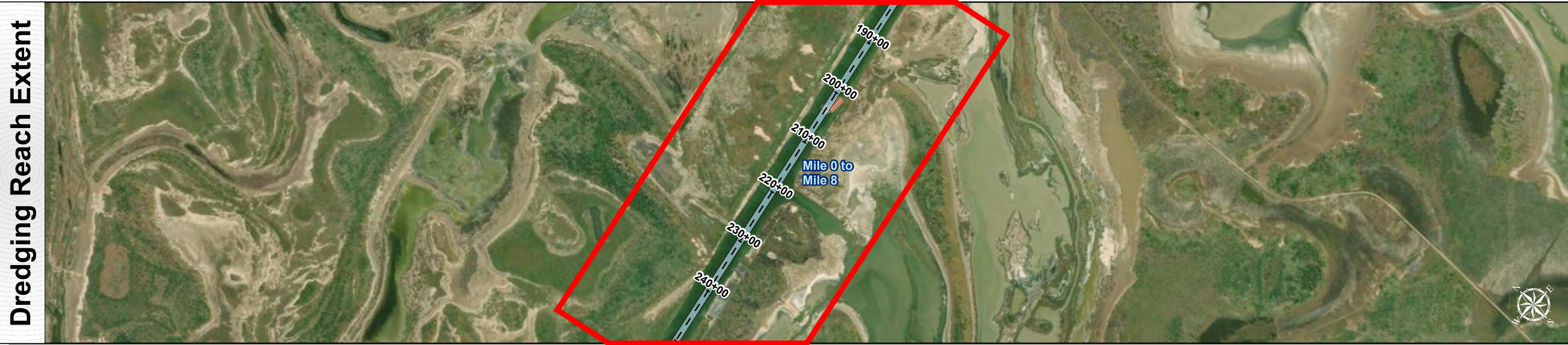
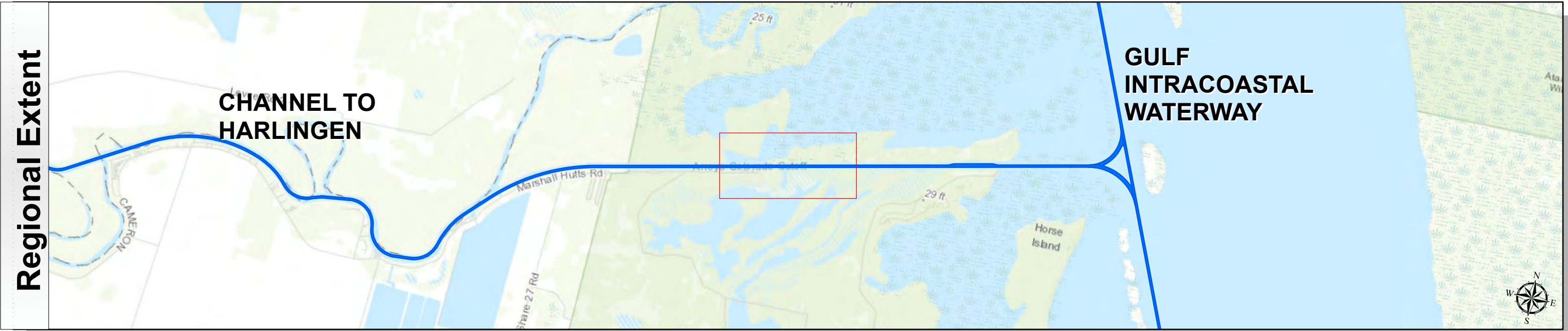
Channel to Harlingen: Mile 0 to Mile 8



U.S. Army Corps of Engineers
Galveston District



TEXAS



Channel Features

- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

LWD

0 - 3	3 - 5	5 - 7	7 - 9	9 - 11	11 - 13	13 - 15	15 - 17	< 17
Dark Blue	Red	Orange	Yellow	Light Green	Green	Light Blue	Blue	Dark Blue

NOTES:
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World Imagery: Maxar
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:
Combined survey dates 20230323_CS;20231028_AD_20E_39P71_070P00

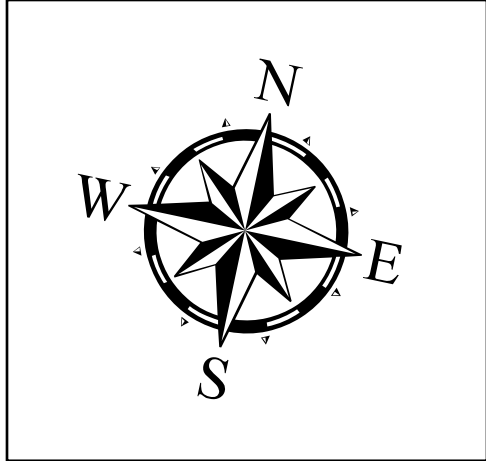
Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent

0 0.3 0.6 1.2 Miles

Hydrographic Survey Extent

0 255 510 1,020 Feet



Latest Survey Collection Date: 28 October 2023		Authorized Depth: -13ft.	
Document Page: 3 of 6	Website Index Number: 5	Side Slope Ratio: 1:02 (Rise : Run)	
Scale: 1:3,000		PDF Print Date: 11/1/2023	
Mapped by: M3AOXPAC			
Additional Imagery info:			

HYDROGRAPHIC SURVEY

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

Station: 50+00 to 420+00

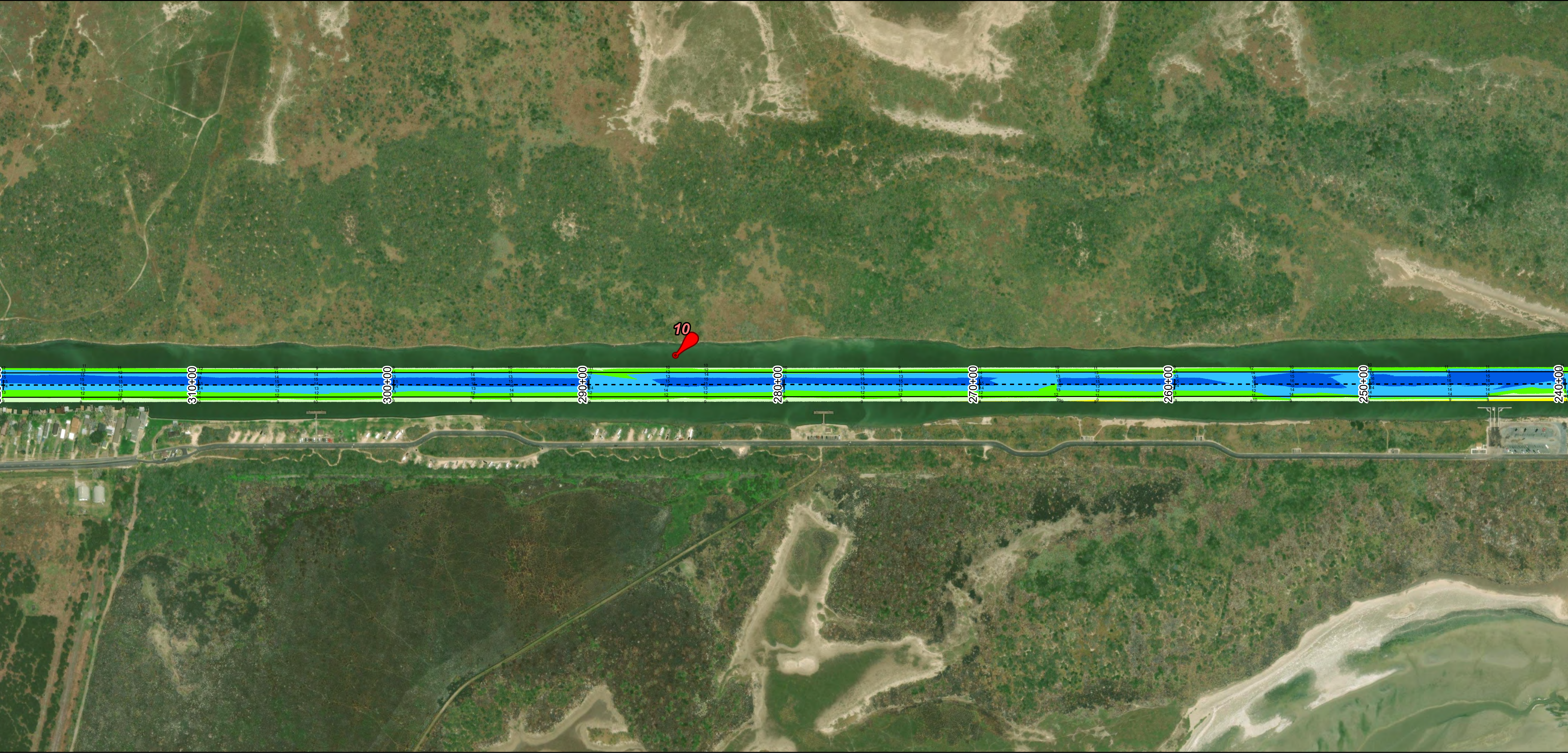
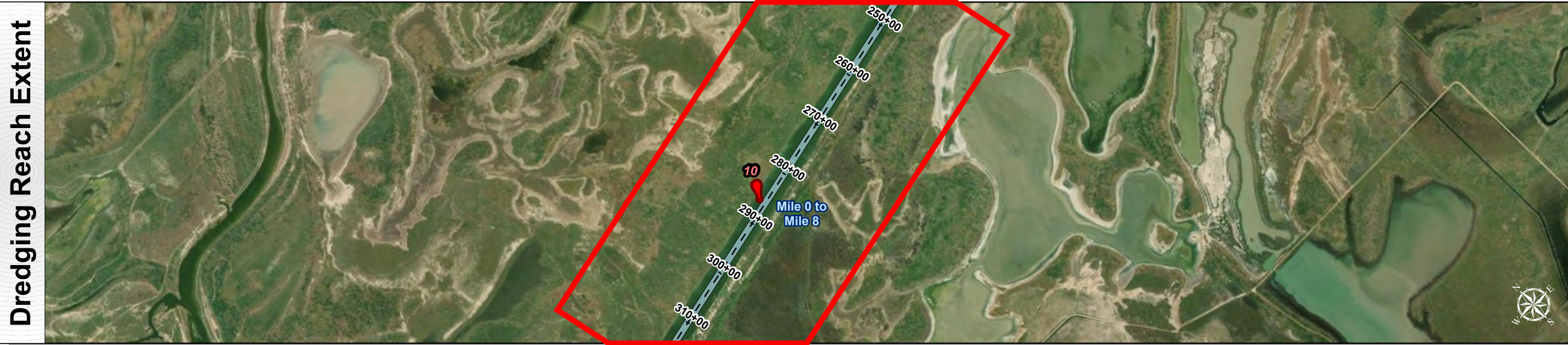
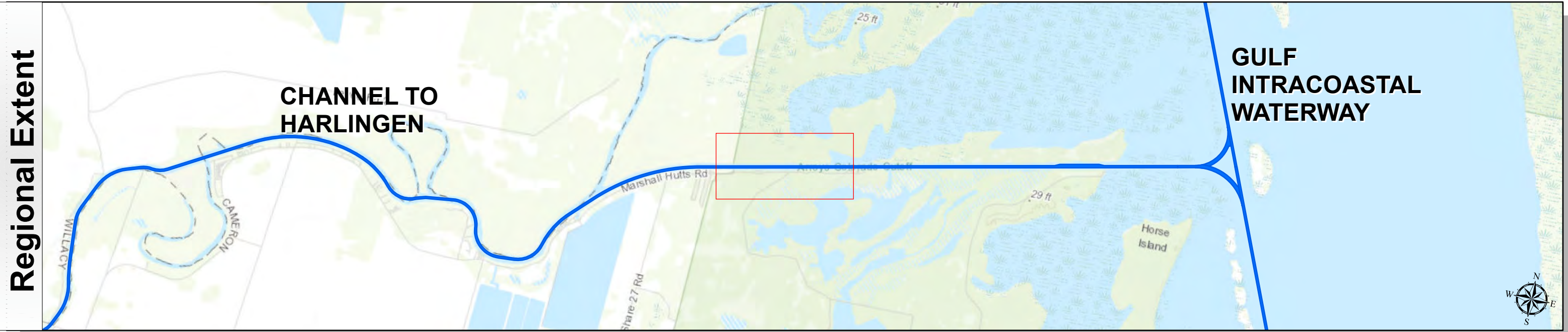
CHANNEL TO HARLINGEN

Mile 0 to Mile 8

Channel to Harlingen: Mile 0 to Mile 8



U.S. Army Corps of Engineers
Galveston District



Channel Features

- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

LWD

0 - 3	3 - 5	5 - 7	7 - 9	9 - 11	11 - 13	13 - 15	15 - 17	< 17
Dark Blue	Blue	Light Blue	Yellow	Orange	Red	Dark Red	Black	Black

NOTES:
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World Imagery: Maxar
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:
Combined survey dates 20230323_CS;20231028_AD_20E_39P71_070P00

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic

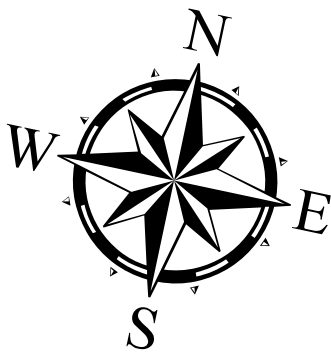
Dredging Reach Extent

0 0.3 0.6 1.2 Miles

Hydrographic Survey Extent

0 255 510 1,020 Feet

Latest Survey Collection Date: 28 October 2023		Authorized Depth: -13ft.
Document Page: 4 of 6	Website Index Number: 6	Side Slope Ratio: 1:02 (Rise : Run)
Scale: 1:3,000		PDF Print Date: 11/1/2023
Mapped by: M3AOXPAC		
Additional Imagery info:		



HYDROGRAPHIC SURVEY

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

Station: 50+00 to 420+00
CHANNEL TO HARLINGEN
Mile 0 to Mile 8

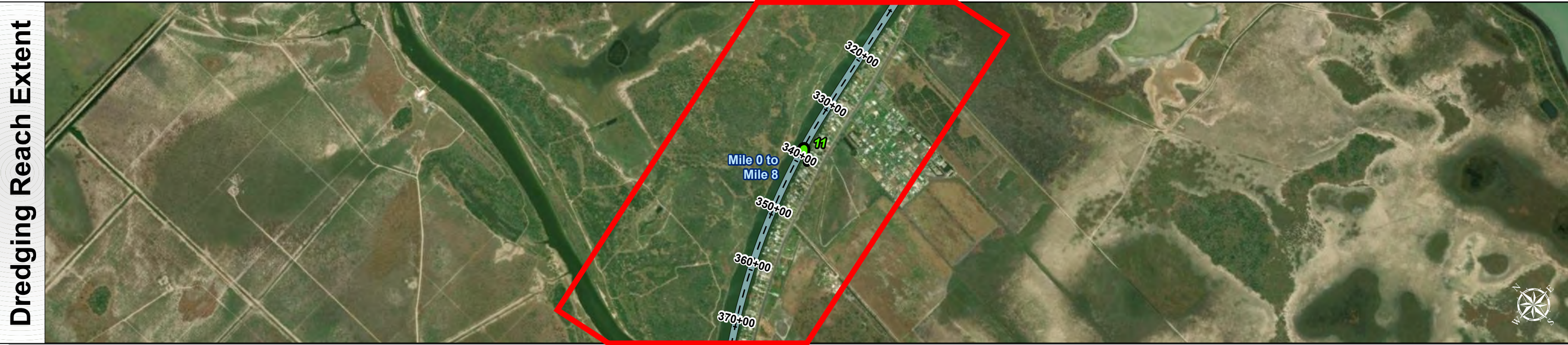
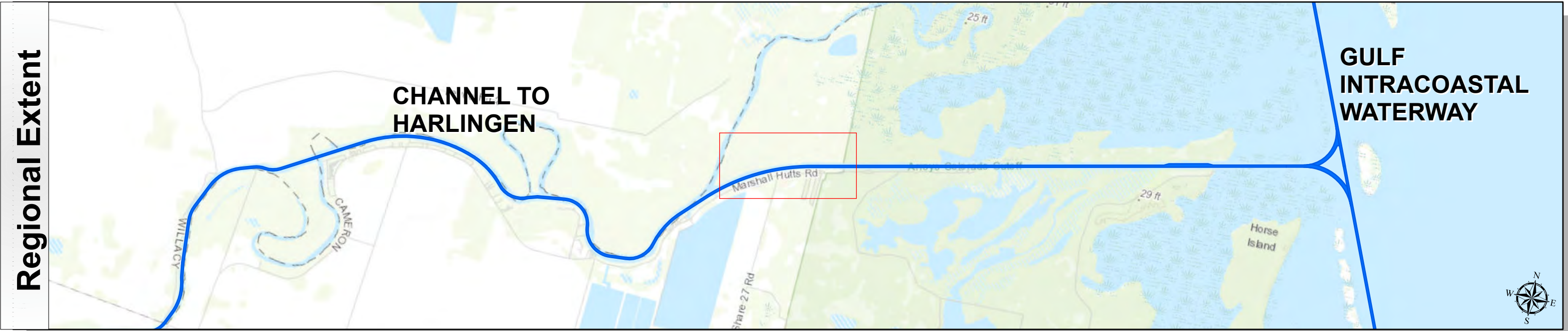
Channel to Harlingen: Mile 0 to Mile 8



U.S. Army Corps of Engineers
Galveston District



TEXAS



Channel Features

- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

LWD

0 - 3	3 - 5	5 - 7	7 - 9	9 - 11	11 - 13	13 - 15	15 - 17	< 17
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NOTES:

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World Imagery: Maxar
World Ocean Base: Esri, GEBCO, Garmin, NaturalVue

Additional Combined Survey Dates and Stationing:

Combined survey dates 20230323_CS;20231028_AD_20E_39P71_070P00

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic

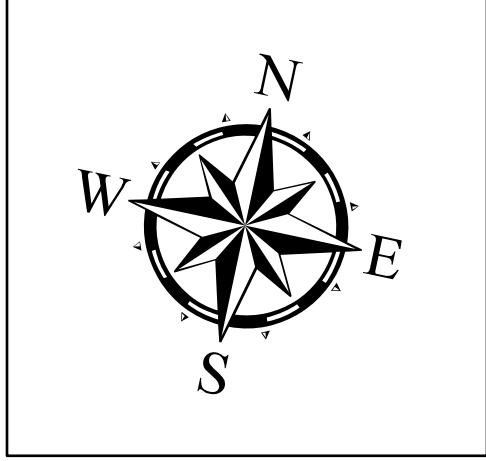
Dredging Reach Extent

0 0.3 0.6 1.2 Miles

Hydrographic Survey Extent

0 255 510 1,020 Feet

Latest Survey Collection Date: 28 October 2023		Authorized Depth: -13ft.
Document Page:5 of 6	Website Index Number: 7	Side Slope Ratio: 1:02 (Rise : Run)
Scale: 1:3,000		PDF Print Date: 11/1/2023
Mapped by: M3AOXPAC		
Additional Imagery info:		



HYDROGRAPHIC SURVEY

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

Station: 50+00 to 420+00

CHANNEL TO HARLINGEN

Mile 0 to Mile 8

Channel to Harlingen: Mile 0 to Mile 8



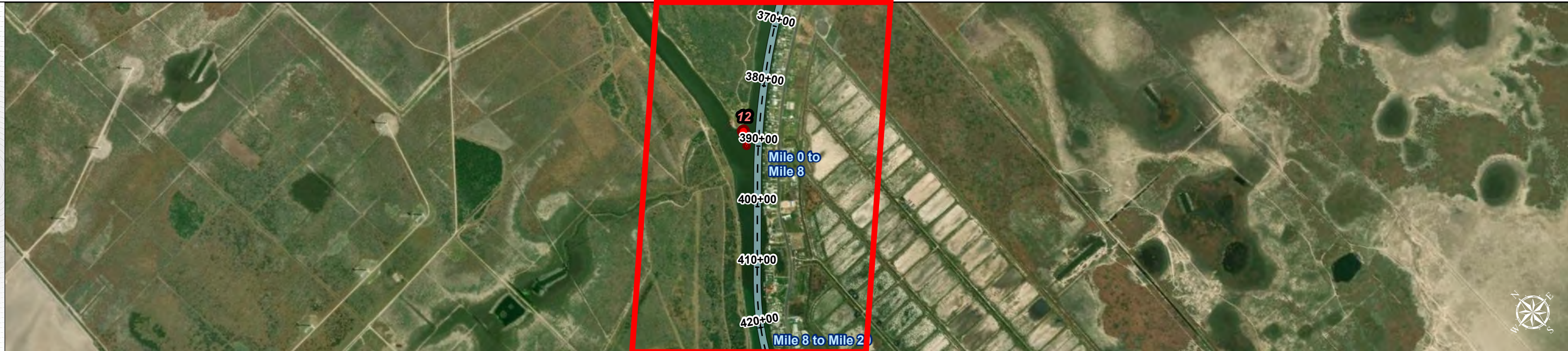
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



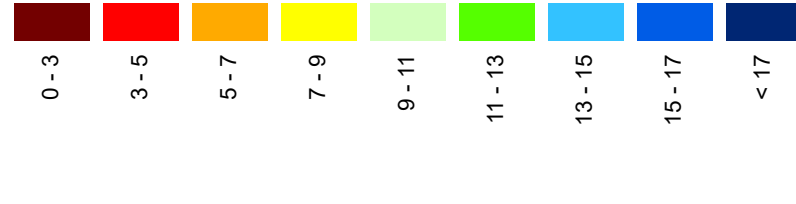
Channel Features

- Channel Center Line
- Channel Toe
- Channel Station Lines
- Channel Dimensions

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

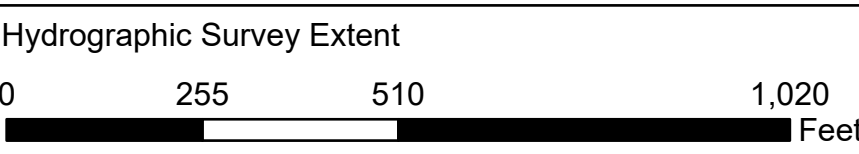
LWD



NOTES:
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Additional Combined Survey Dates and Stationing:
Combined survey dates 20230323_CS;20231028_AD_20E_39P71_070P00

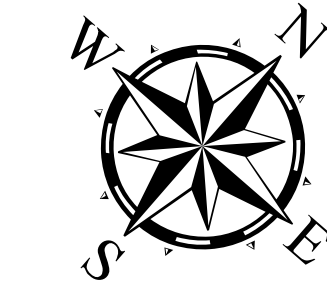
Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

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

Station: 50+00 to 420+00
CHANNEL TO HARLINGEN
Mile 0 to Mile 8



Latest Survey Collection Date: 28 October 2023

Document Page: 6 of 6

Scale: 1:3,000

Mapped by: M3AOXPAC

Additional Imagery info:

Website Index Number: 8

Authorized Depth: -13ft.

Side Slope Ratio: 1:02 (Rise : Run)

PDF Print Date: 11/1/2023