

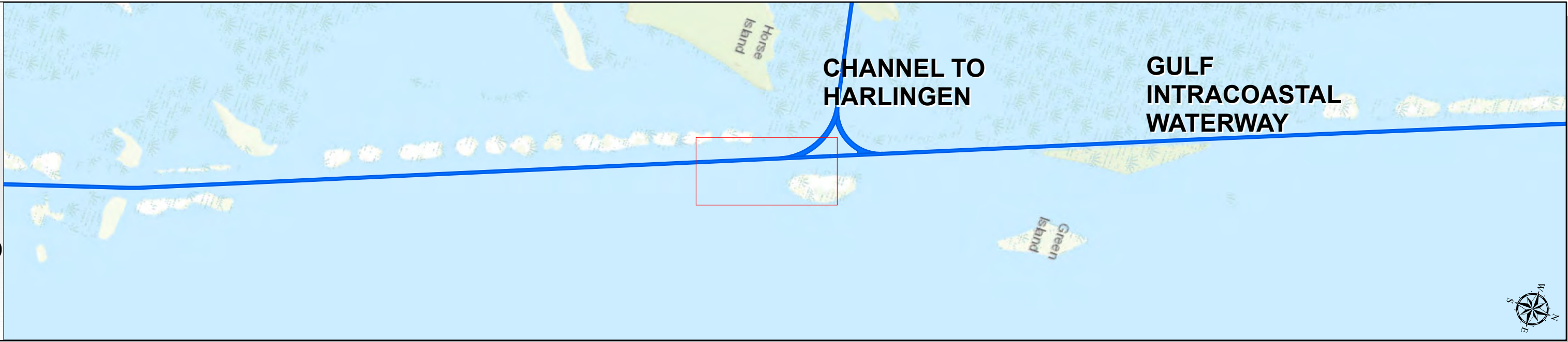
# Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville



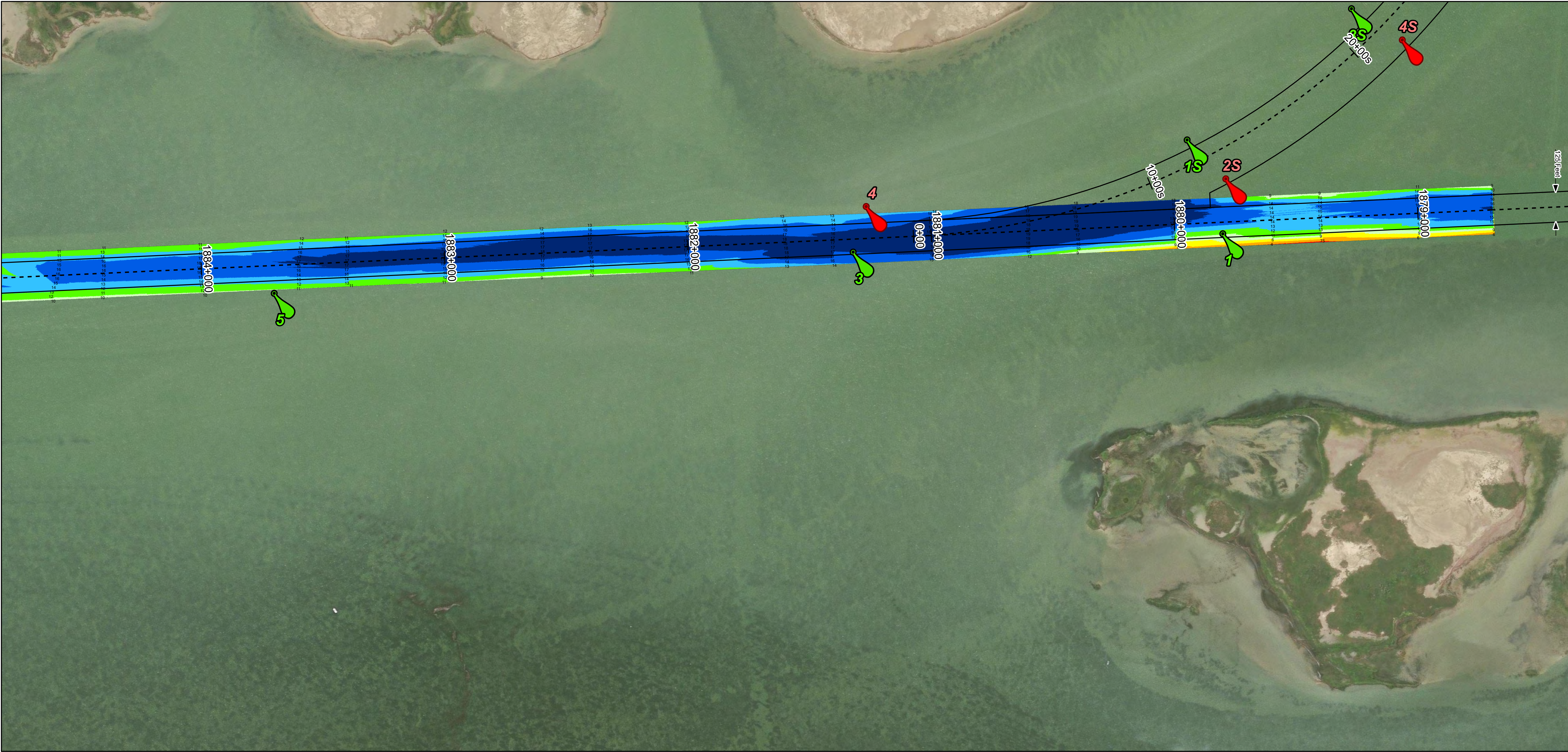
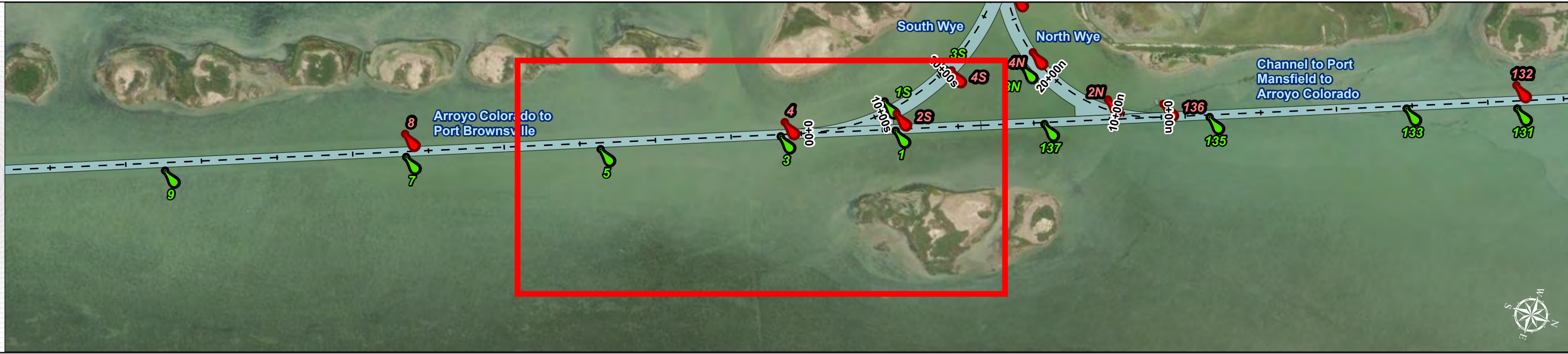
U.S. Army Corps of Engineers  
Galveston District



Regional Extent



Dredging Reach Extent



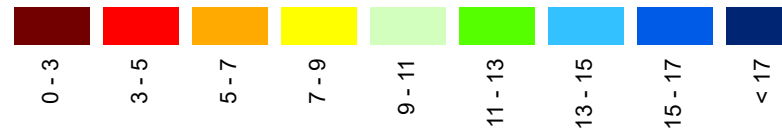
Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

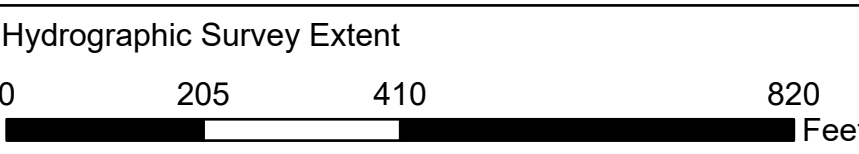
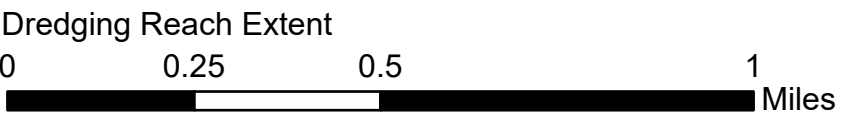
MLLW



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 tide (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 47 CFR 111.05-1 and 111.05-2.  
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, NOAA, EPA, USDA  
World Imagery: Maxar, Microsoft  
World Imagery: Maxar

Additional Combined Survey Dates and Stationing:  
Combined survey dates 20230311\_CS; 20231115\_AD\_11\_1955P000\_1961P000;  
20231120\_AD\_10\_1950P000\_1955P000; 20231204\_AD\_07\_1934P000\_1940P000;  
20231207\_AD\_08\_1940P000\_1945P000; 20231207\_AD\_09\_1945P000\_1950P000

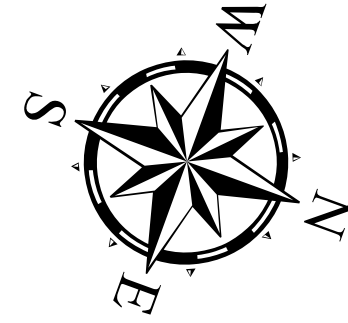
Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet  
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

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

Station: 1878+700 to 1999+277  
GULF INTRACOASTAL WATERWAY  
Arroyo Colorado to Port Brownsville



Latest Survey Collection Date: 07 December 2023

Document Page: 1 of 23

Scale: 1:2,400

Mapped by: M3AOXPAC

Additional Imagery info:

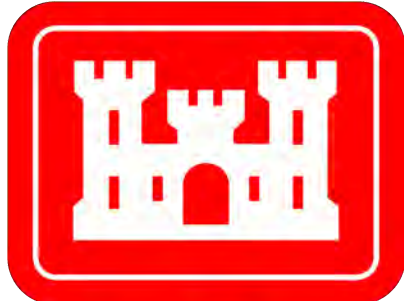
Authorized Depth: -13ft.

Side Slope Ratio: (Rise : Run)

PDF Print Date: 12/13/2023

Website Index Number: 317

# Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville



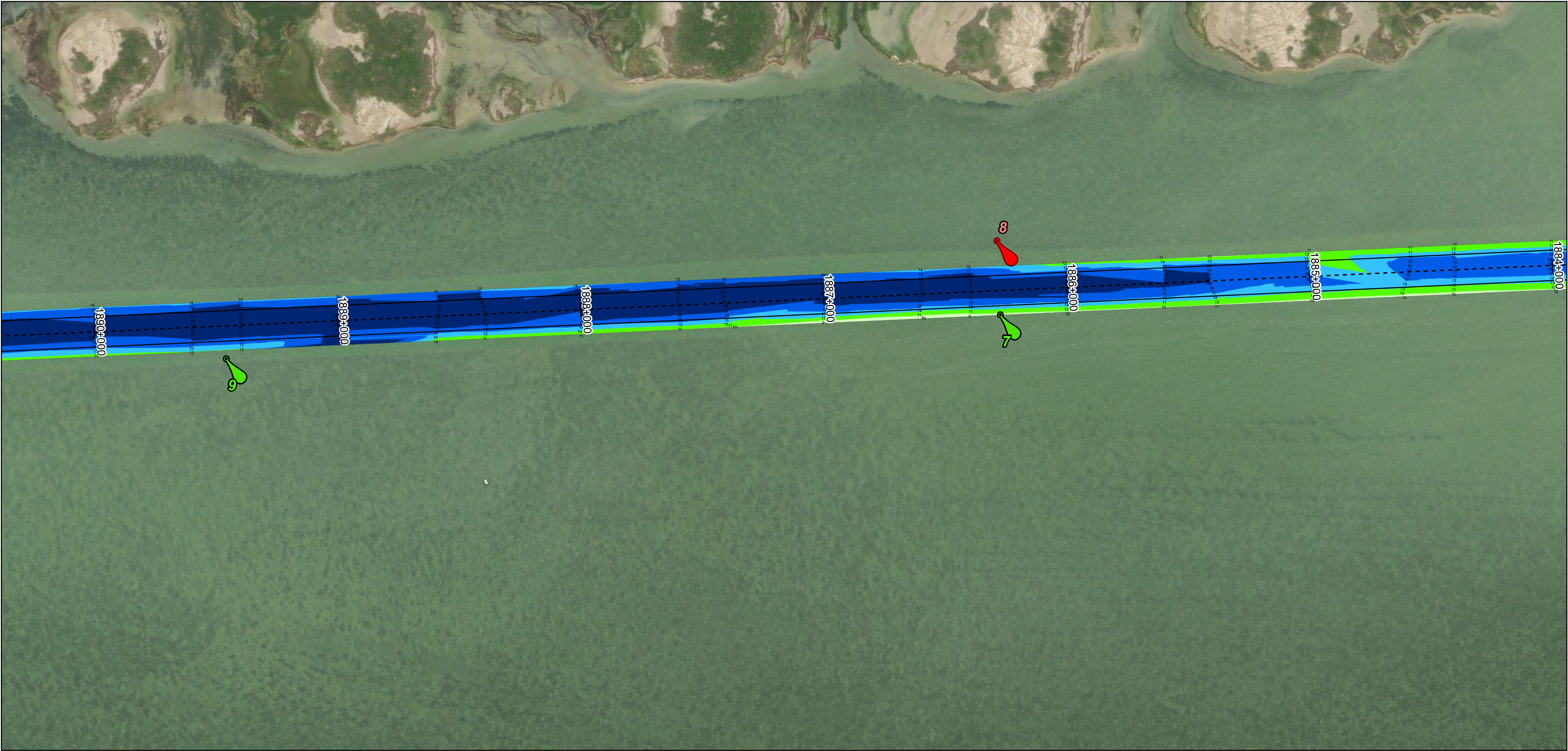
U.S. Army Corps of Engineers  
Galveston District



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

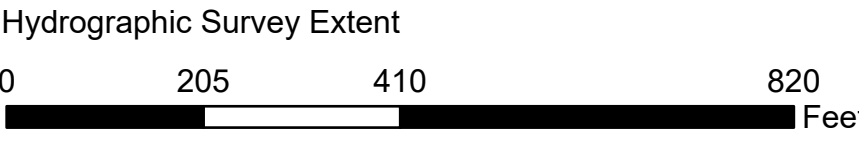
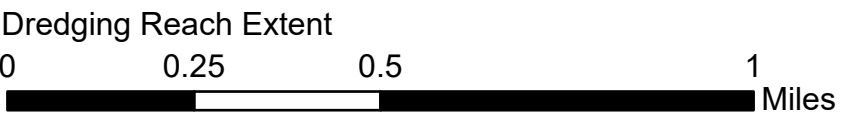
MLLW



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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, Microsoft, World Imagery: Maxar

Additional Combined Survey Dates and Stationing:  
Combined survey dates 20230311\_CS; 20231115\_AD\_11\_1955P000\_1961P000;  
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20231207\_AD\_08\_1940P000\_1945P000; 20231207\_AD\_09\_1945P000\_1950P000

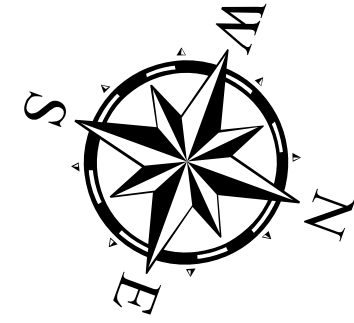
Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet  
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

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

Station: 1878+700 to 1999+277  
GULF INTRACOASTAL WATERWAY  
Arroyo Colorado to Port Brownsville



Latest Survey Collection Date: 07 December 2023

Document Page: 2 of 23

Scale: 1:2,400

Mapped by: M3AOXPAC

Additional Imagery info:

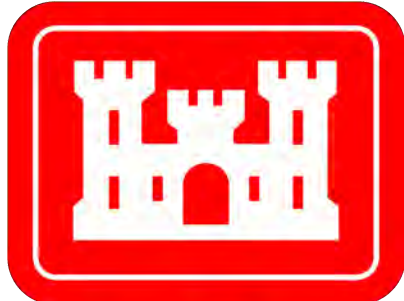
Authorized Depth: -13ft.

Side Slope Ratio: (Rise : Run)

PDF Print Date: 12/13/2023

Website Index Number: 318

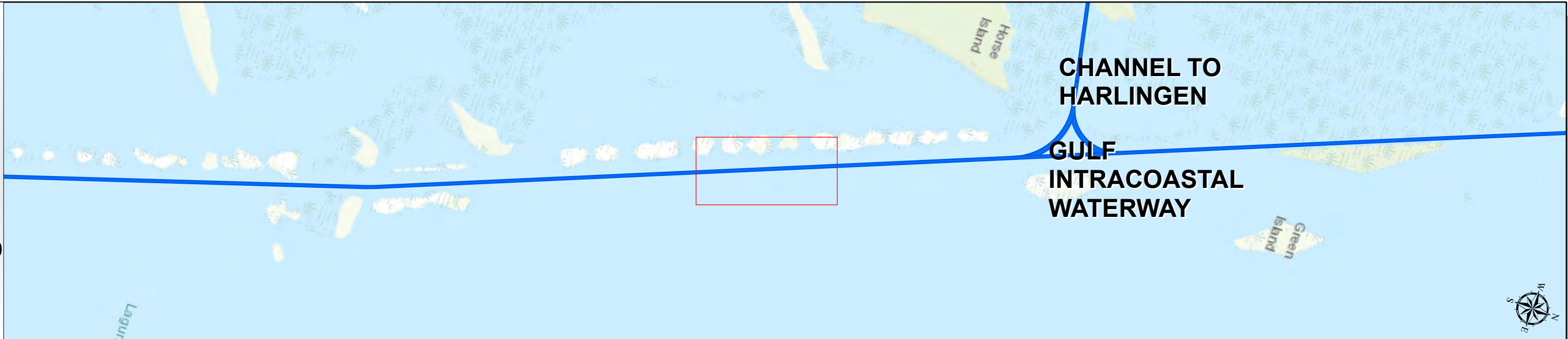
# Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville



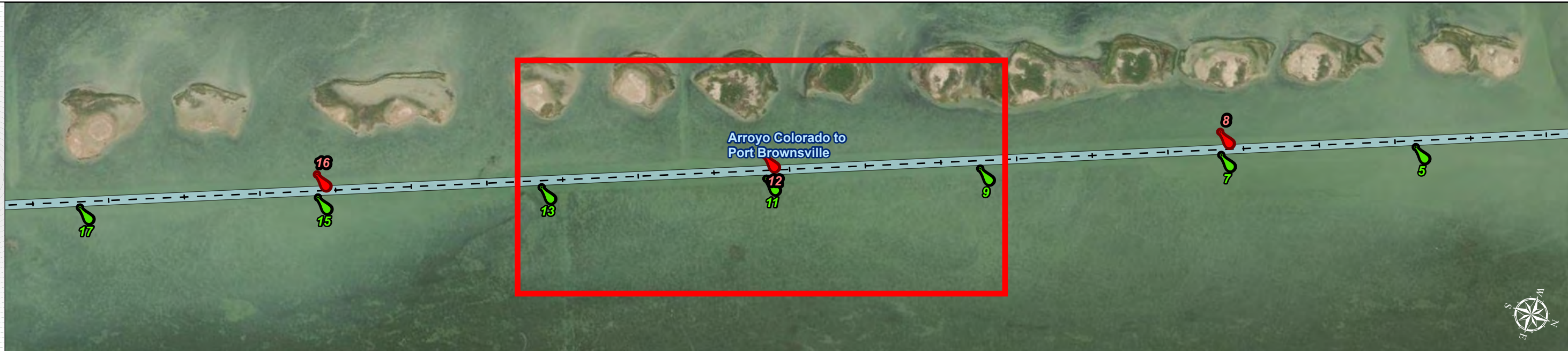
U.S. Army Corps of Engineers  
Galveston District



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

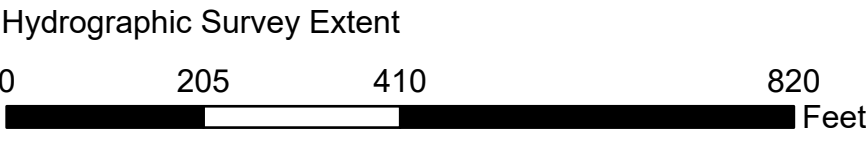
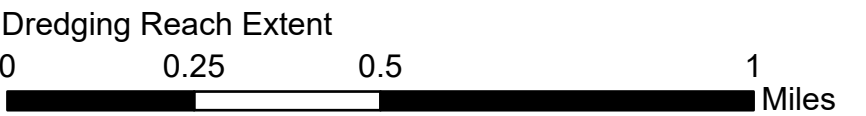
MLLW



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World Imagery: Maxar, Microsoft  
World Imagery: Maxar

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20231120\_AD\_10\_1950P000\_1955P000; 20231204\_AD\_07\_1934P000\_1940P000;  
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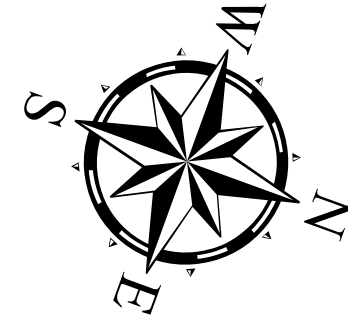
Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet  
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

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

Station: 1878+700 to 1999+277  
GULF INTRACOASTAL WATERWAY  
Arroyo Colorado to Port Brownsville



Latest Survey Collection Date: 07 December 2023

Document Page: 3 of 23

Scale: 1:2,400

Mapped by: M3AOXPAC

Additional Imagery info:

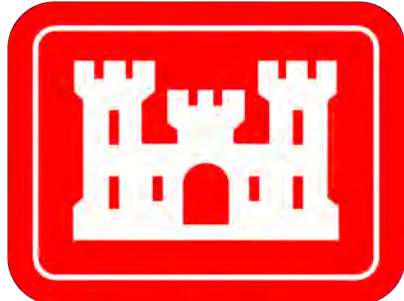
Authorized Depth: -13ft.

Side Slope Ratio: (Rise : Run)

PDF Print Date: 12/13/2023

Website Index Number: 319

# Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville



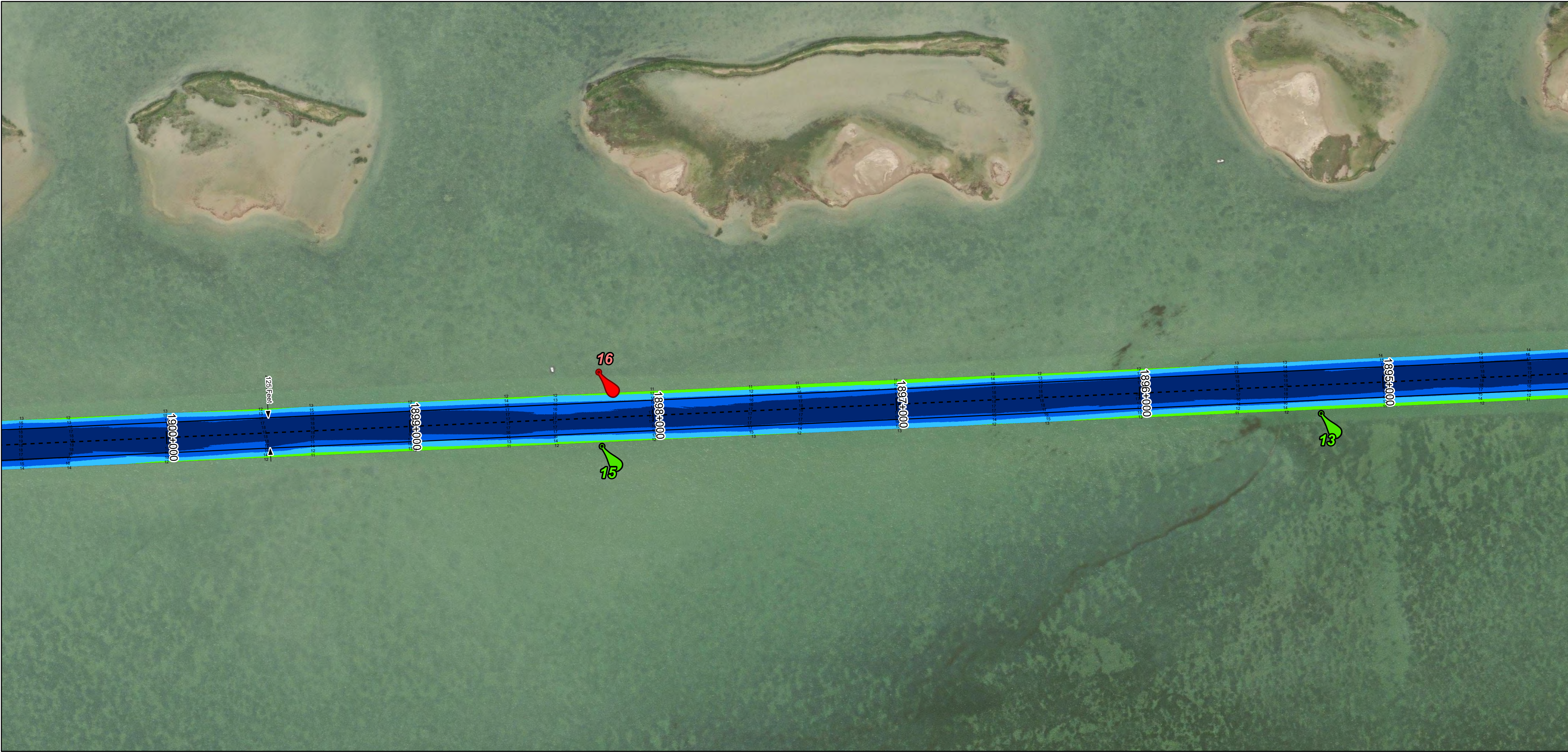
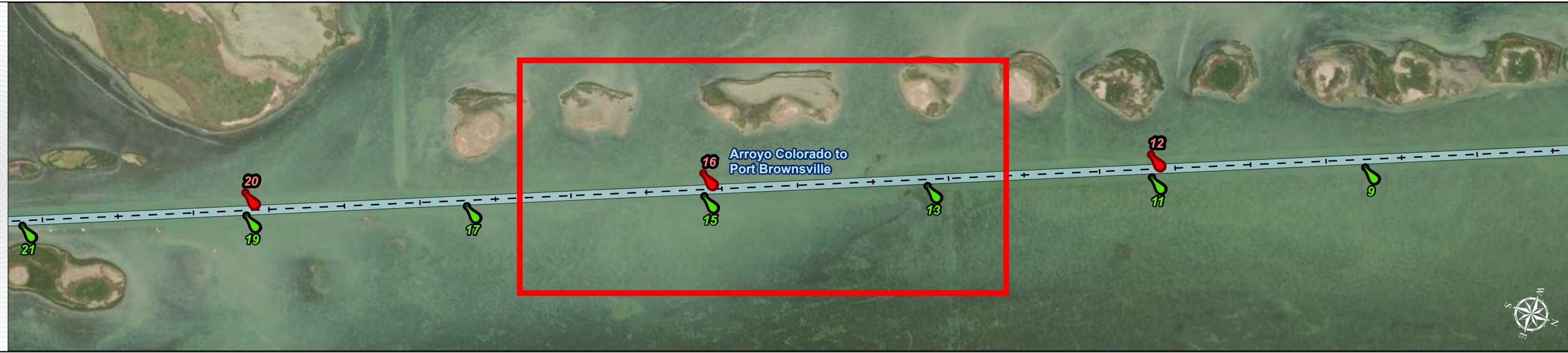
U.S. Army Corps of Engineers  
Galveston District



Regional Extent



Dredging Reach Extent



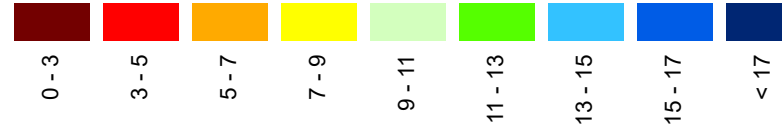
Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

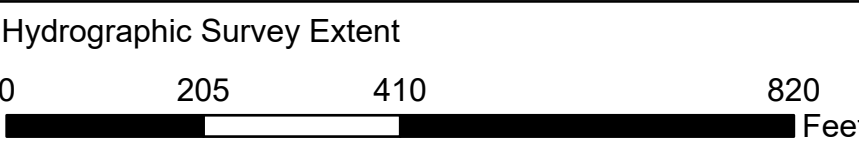
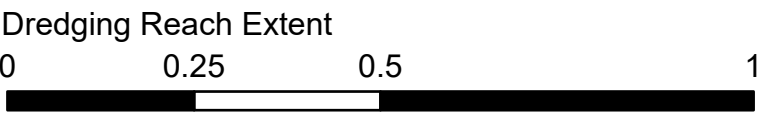
MLLW



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World Imagery: Maxar, Microsoft  
World Imagery: Maxar

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Combined survey dates 20230311\_CS; 20231115\_AD\_11\_1955P000\_1961P000;  
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20231207\_AD\_08\_1940P000\_1945P000; 20231207\_AD\_09\_1945P000\_1950P000

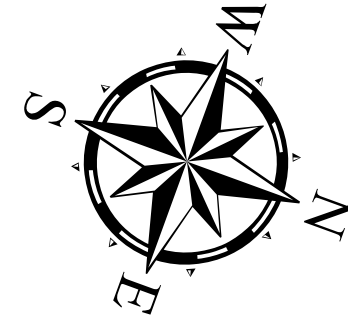
Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet  
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

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

Station: 1878+700 to 1999+277  
GULF INTRACOASTAL WATERWAY  
Arroyo Colorado to Port Brownsville



Latest Survey Collection Date: 07 December 2023

Document Page: 4 of 23

Scale: 1"=2,400'

Mapped by: M3AOXPAC

Additional Imagery info:

Authorized Depth: -13ft.

Side Slope Ratio: (Rise : Run)

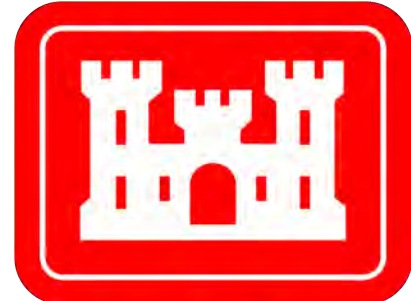
PDF Print Date: 12/13/2023

Website Index Number: 320

Website Index Number: 320

Website Index Number: 320

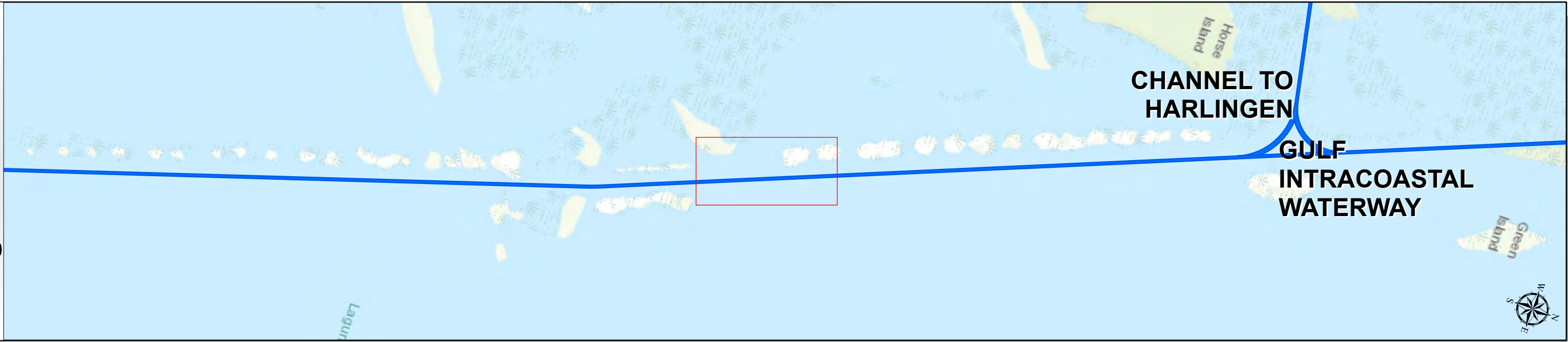
# Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville



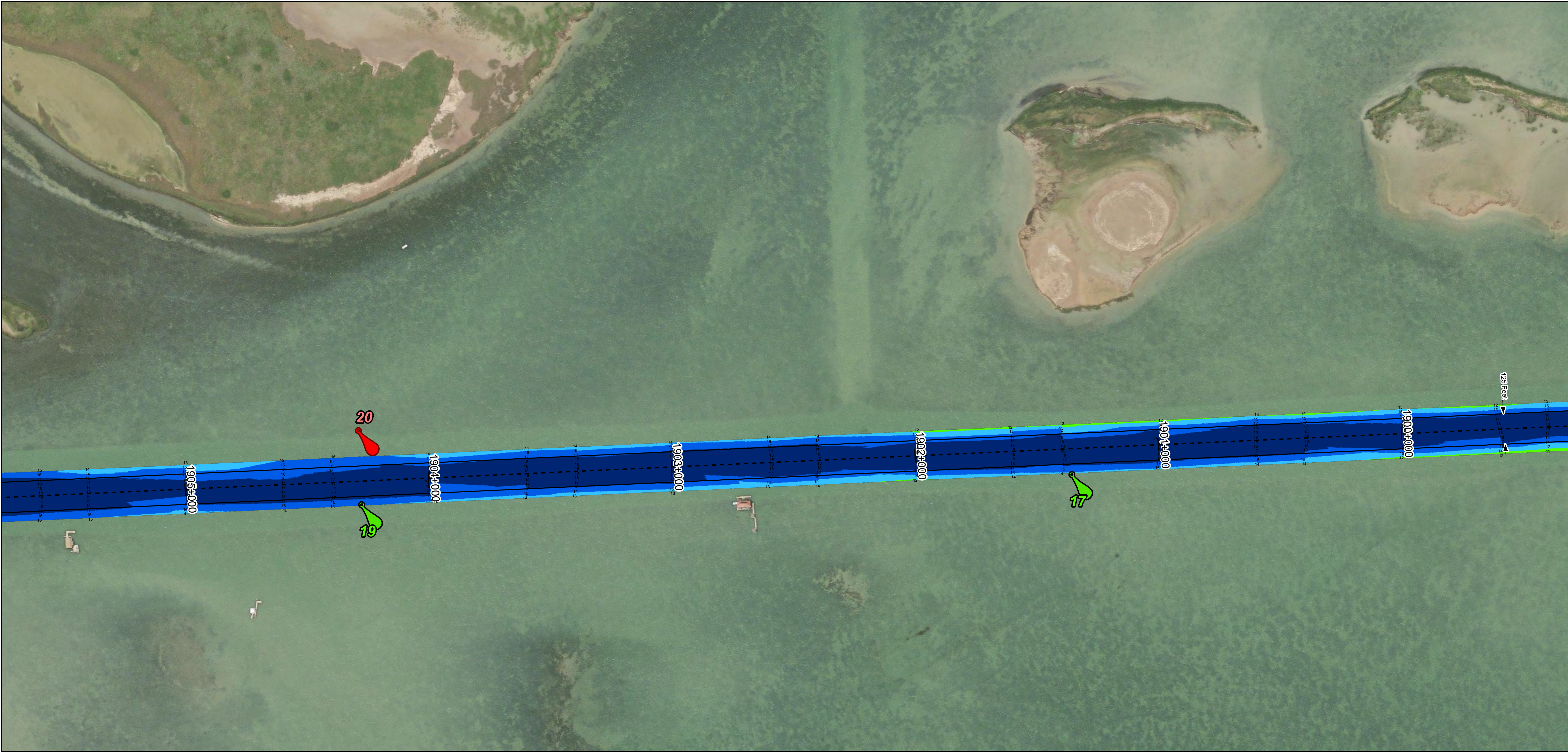
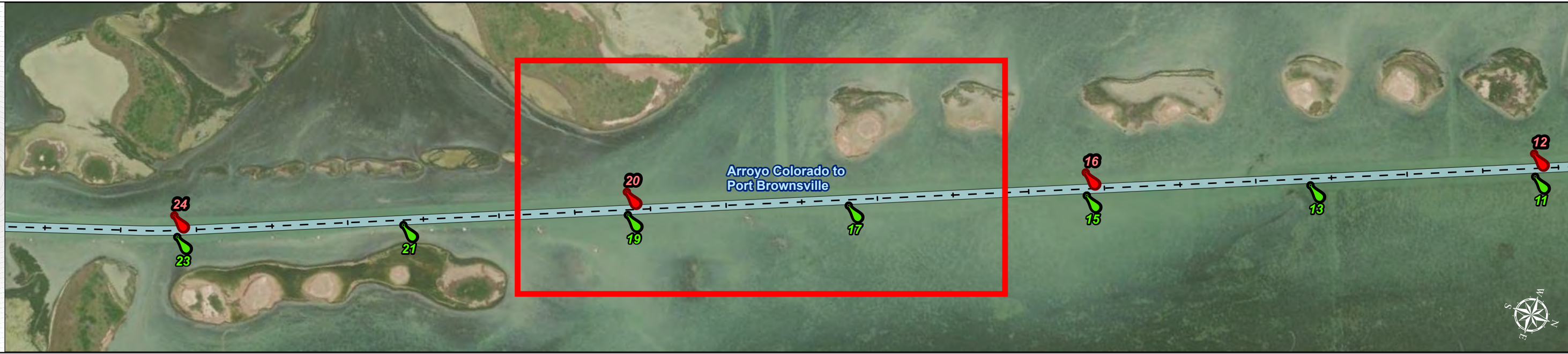
U.S. Army Corps of Engineers  
Galveston District



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

## 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 tide (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 47 CFR 111.05-01152.
  - 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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World Imagery: Maxar, Microsoft  
World Imagery: Maxar

## Additional Combined Survey Dates and Stationing:

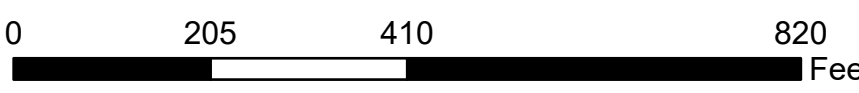
Combined survey dates 20230311, CS; 20231115, AD, 11, 1955P000, 1961P000; 20231120, AD, 10, 1950P000, 1955P000; 20231204, AD, 07, 1934P000, 1940P000; 20231207, AD, 08, 1940P000, 1945P000; 20231207, AD, 09, 1945P000, 1950P000

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

## Dredging Reach Extent



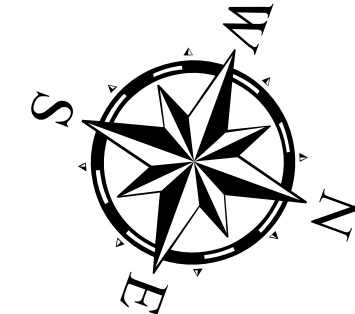
## Hydrographic Survey Extent



## HYDROGRAPHIC SURVEY

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

Station: 1878+700 to 1999+277  
GULF INTRACOASTAL WATERWAY  
Arroyo Colorado to Port Brownsville



Latest Survey Collection Date: 07 December 2023

Document Page: 5 of 23

Website Index Number: 321

Authorized Depth: -13ft.

Side Slope Ratio: (Rise : Run)

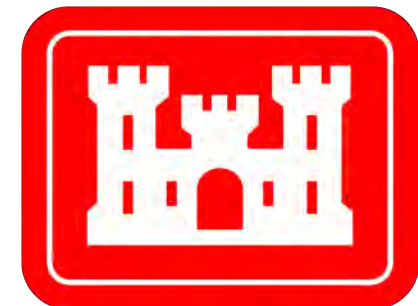
PDF Print Date: 12/13/2023

Scale: 1"=2,400'

Mapped by: M3AOXPAC

Additional Imagery info:

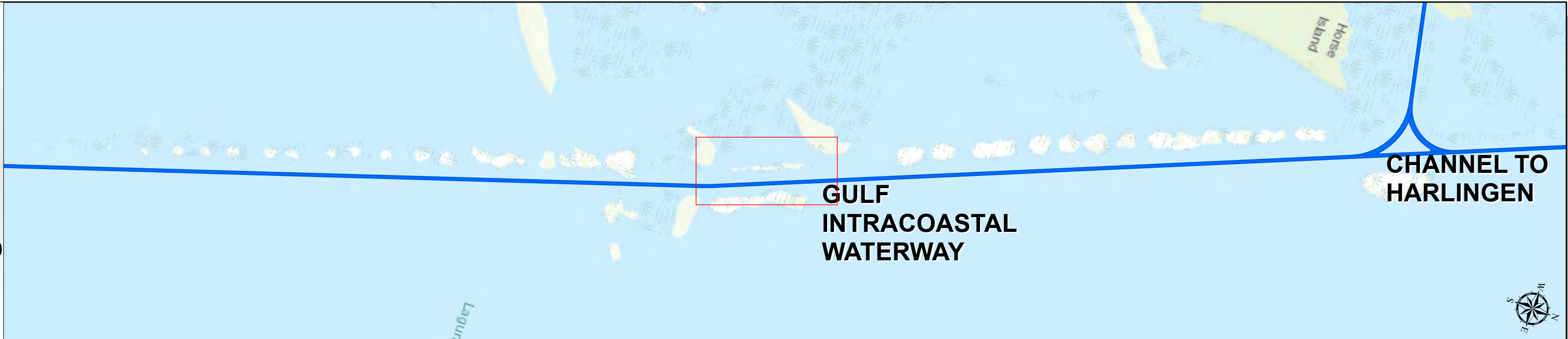
# Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville



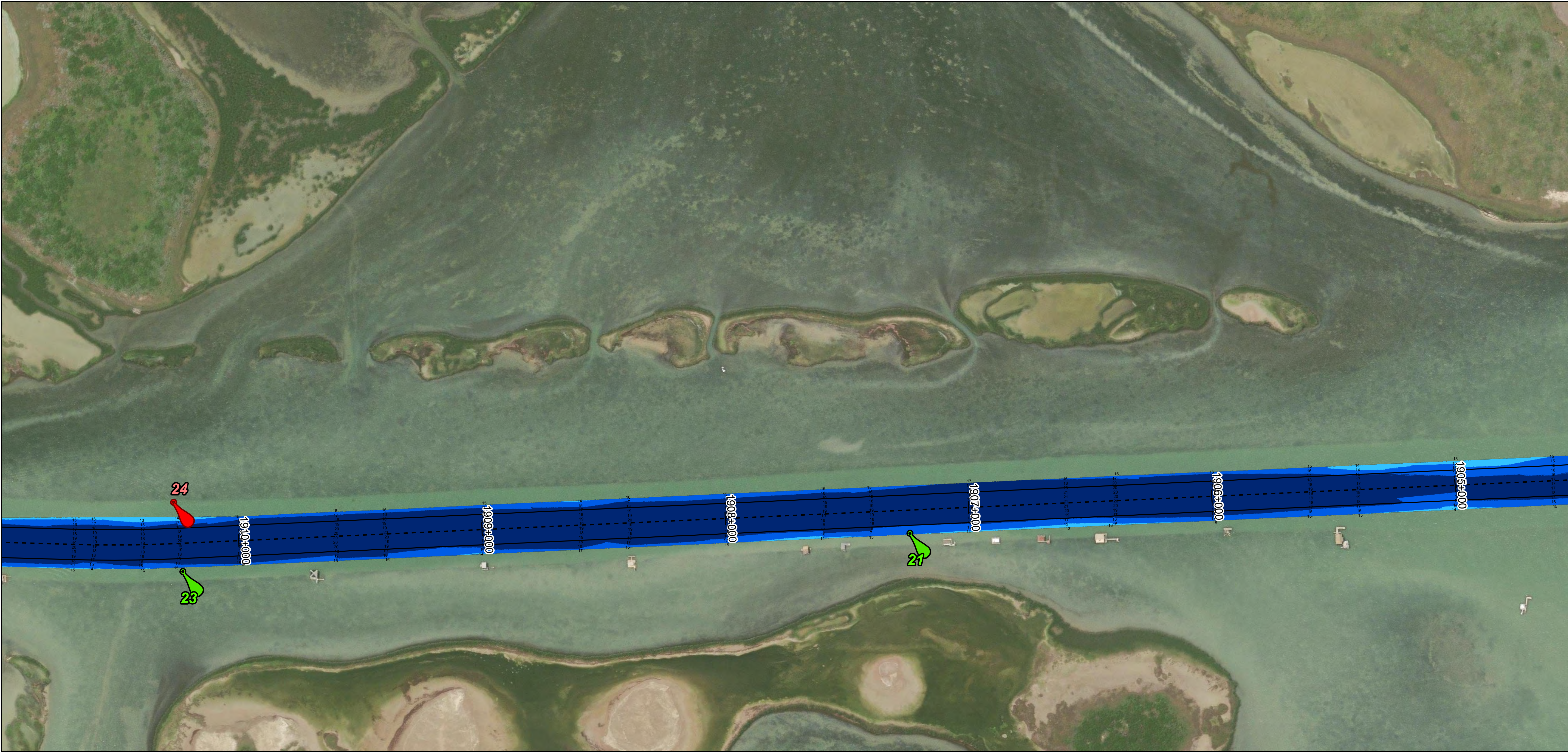
U.S. Army Corps of Engineers  
Galveston District



Regional Extent



Dredging Reach Extent



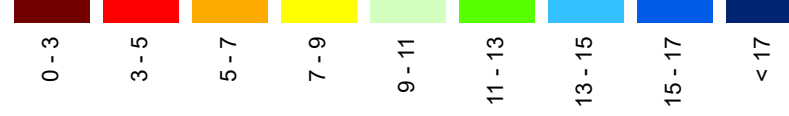
Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

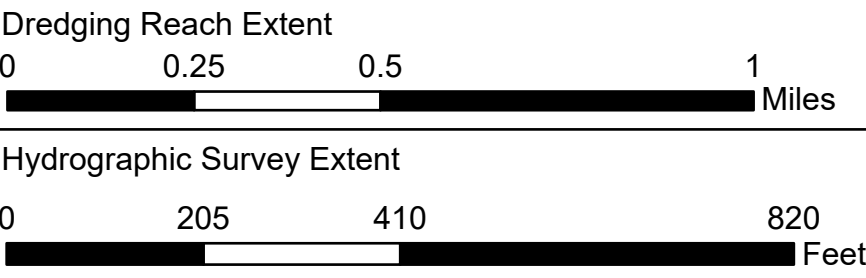
MLLW



NOTES:  
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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NOAA, EPA, USDA  
World Imagery: Maxar  
World Imagery: Maxar

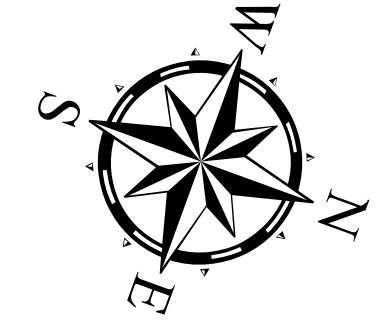
Additional Combined Survey Dates and Stationing:  
Combined survey dates 20230311\_CS; 20231115\_AD\_11\_1955P000\_1961P000;  
20231120\_AD\_10\_1950P000\_1955P000; 20231204\_AD\_07\_1934P000\_1940P000;  
20231207\_AD\_08\_1940P000\_1945P000; 20231207\_AD\_09\_1945P000\_1950P000

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: 1878+700 to 1999+277  
GULF INTRACOASTAL WATERWAY  
Arroyo Colorado to Port Brownsville



Latest Survey Collection Date: 07 December 2023  
Document Page: 6 of 23  
Scale: 1:2,400  
Mapped by: M3AOXPAC  
Additional Imagery info:


Authorized Depth: -13ft.  
Side Slope Ratio: (Rise : Run)  
PDF Print Date: 12/13/2023

Website Index Number: 322  
1:2,400

# Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville



U.S. Army Corps of Engineers  
Galveston District



T E X A S



**Channel Features**

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

**Aids to Navigation**

- Green Side Aids
- Red Side Aids
- Lights

**MLLW**

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-Green	Blue	Dark Blue

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

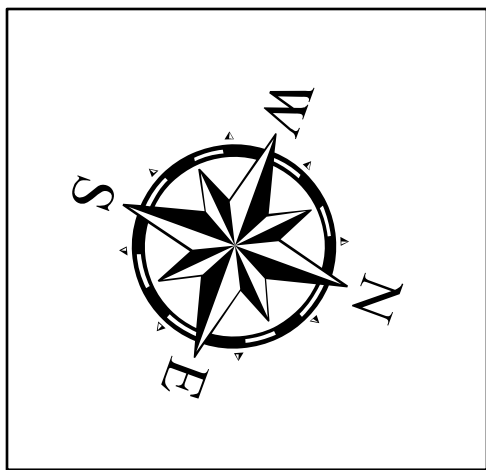
Dredging Reach Extent

0 0.25 0.5 1 Miles

Hydrographic Survey Extent

0 205 410 820 Feet

Latest Survey Collection Date: 07 December 2023		Authorized Depth: -13ft.
Document Page: 7 of 23	Website Index Number: 323	Side Slope Ratio: (Rise : Run)
1:2,400		PDF Print Date: 12/13/2023
Scale:		
Mapped by: M3AOXPAC		
Additional Imagery info:		



**HYDROGRAPHIC SURVEY**

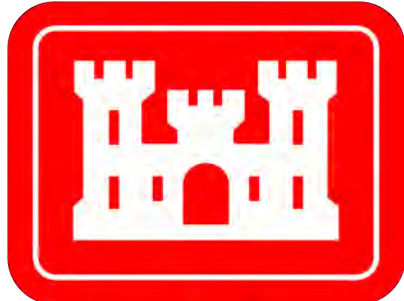
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

**Station: 1878+700 to 1999+277**

**GULF INTRACOASTAL WATERWAY**

Arroyo Colorado to Port Brownsville

# Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville



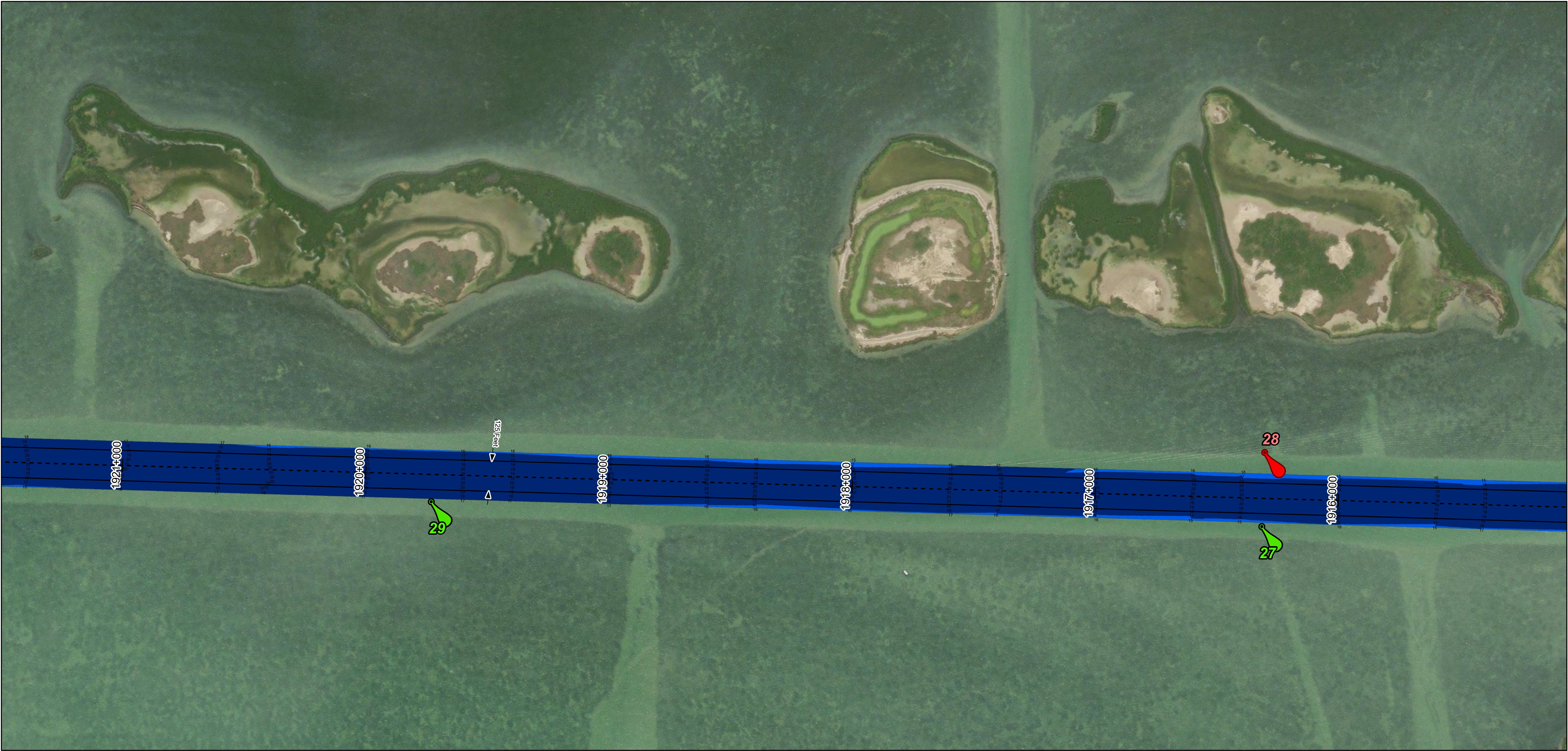
U.S. Army Corps of Engineers  
Galveston District



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

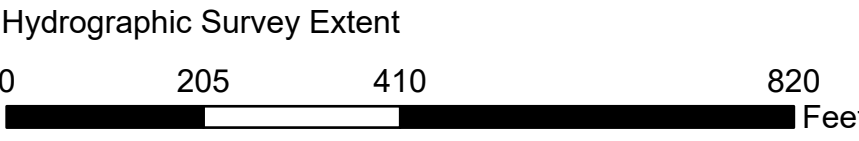
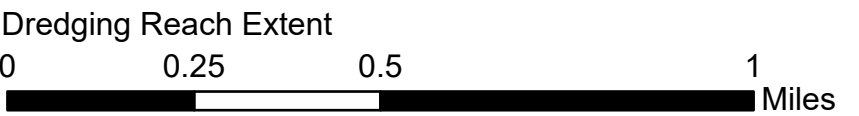
MLLW



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 tide (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 48 CFR 117.110-1 and 117.112.  
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, NOAA, EPA, USDA  
World Imagery: Maxar  
World Imagery: Maxar

Additional Combined Survey Dates and Stationing:  
Combined survey dates 20230311\_CS; 20231115\_AD\_11\_1955P000\_1961P000;  
20231120\_AD\_10\_1950P000\_1955P000; 20231204\_AD\_07\_1934P000\_1940P000;  
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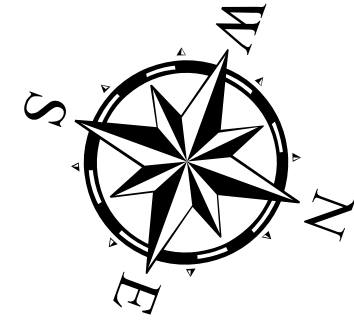
Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet  
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

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

Station: 1878+700 to 1999+277  
GULF INTRACOASTAL WATERWAY  
Arroyo Colorado to Port Brownsville



Latest Survey Collection Date: 07 December 2023

Document Page: 8 of 23

Website Index Number: 324

Scale: 1:2,400

Mapped by: M3AOXPAC

Additional Imagery info:

Authorized Depth: -13ft.

Side Slope Ratio: (Rise : Run)

PDF Print Date: 12/13/2023

# Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville



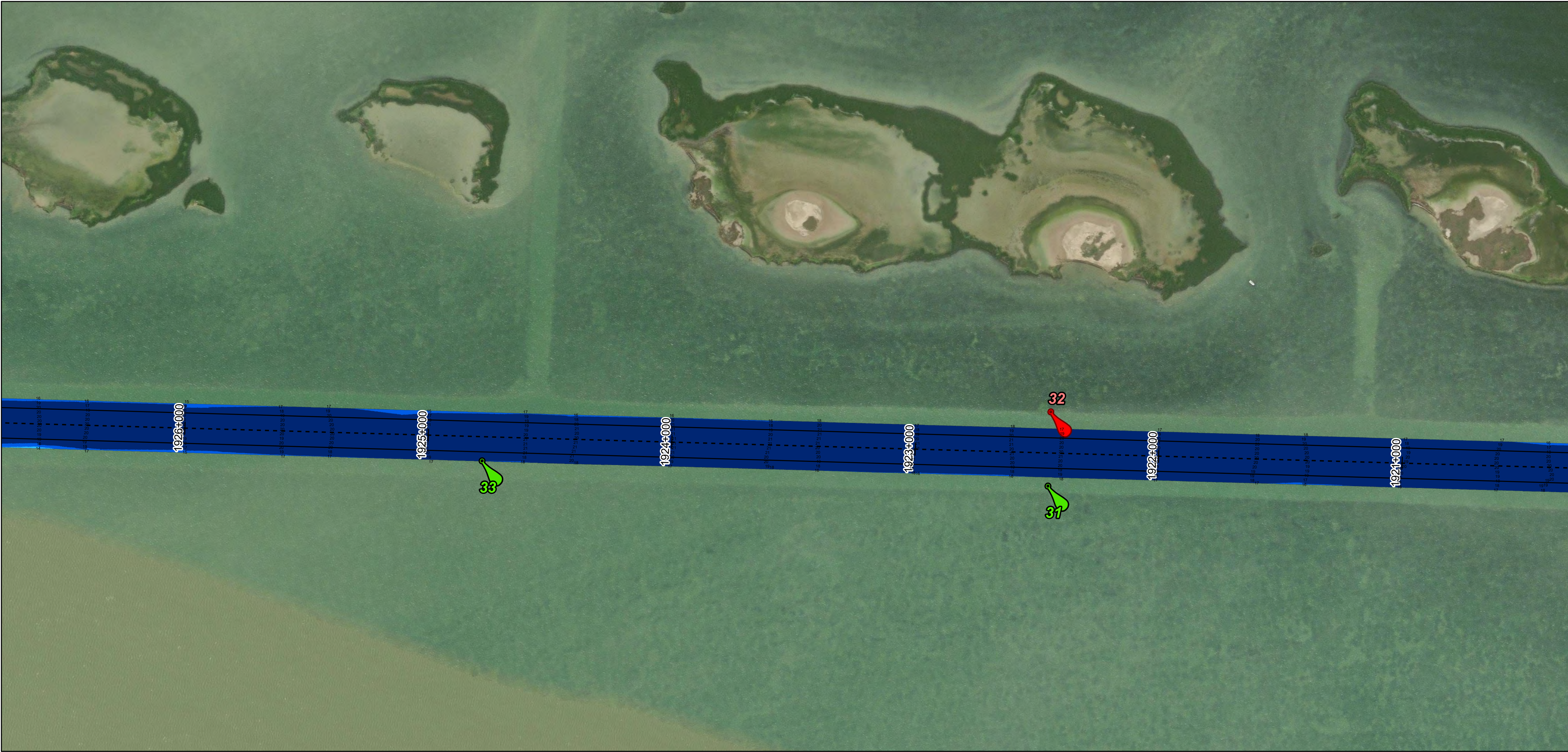
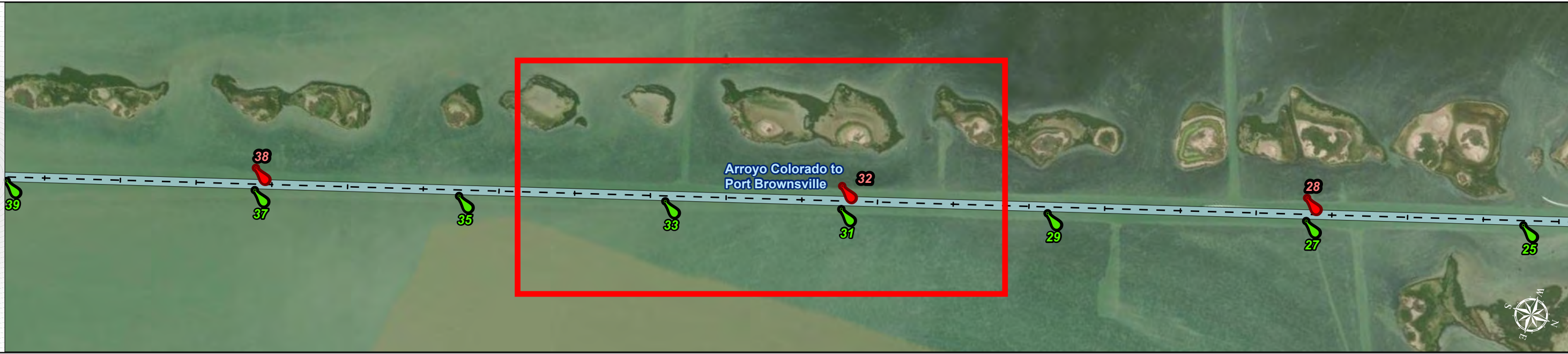
U.S. Army Corps of Engineers  
Galveston District



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

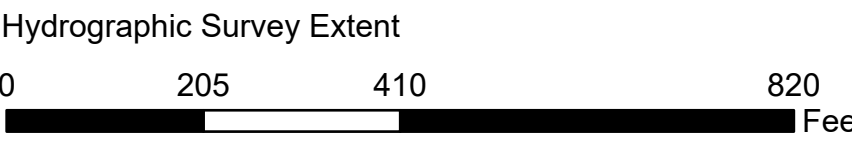
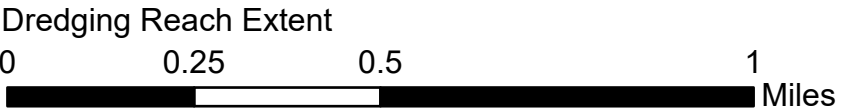
MLLW



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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, Microsoft, World Imagery: Maxar

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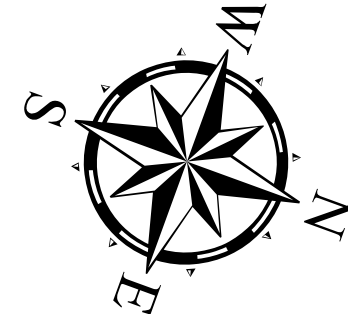
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Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

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

Station: 1878+700 to 1999+277  
GULF INTRACOASTAL WATERWAY  
Arroyo Colorado to Port Brownsville



Latest Survey Collection Date: 07 December 2023

Document Page: 9 of 23

Website Index Number: 325

Scale:

1"=2,400'

Mapped by: M3AOXPAC

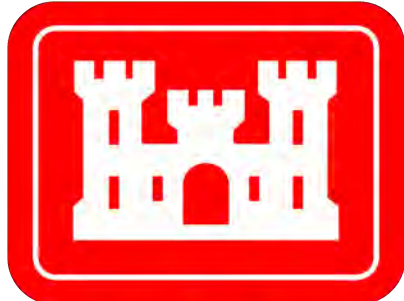
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Authorized Depth: -13ft.

Side Slope Ratio: (Rise : Run)

PDF Print Date: 12/13/2023

# Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville



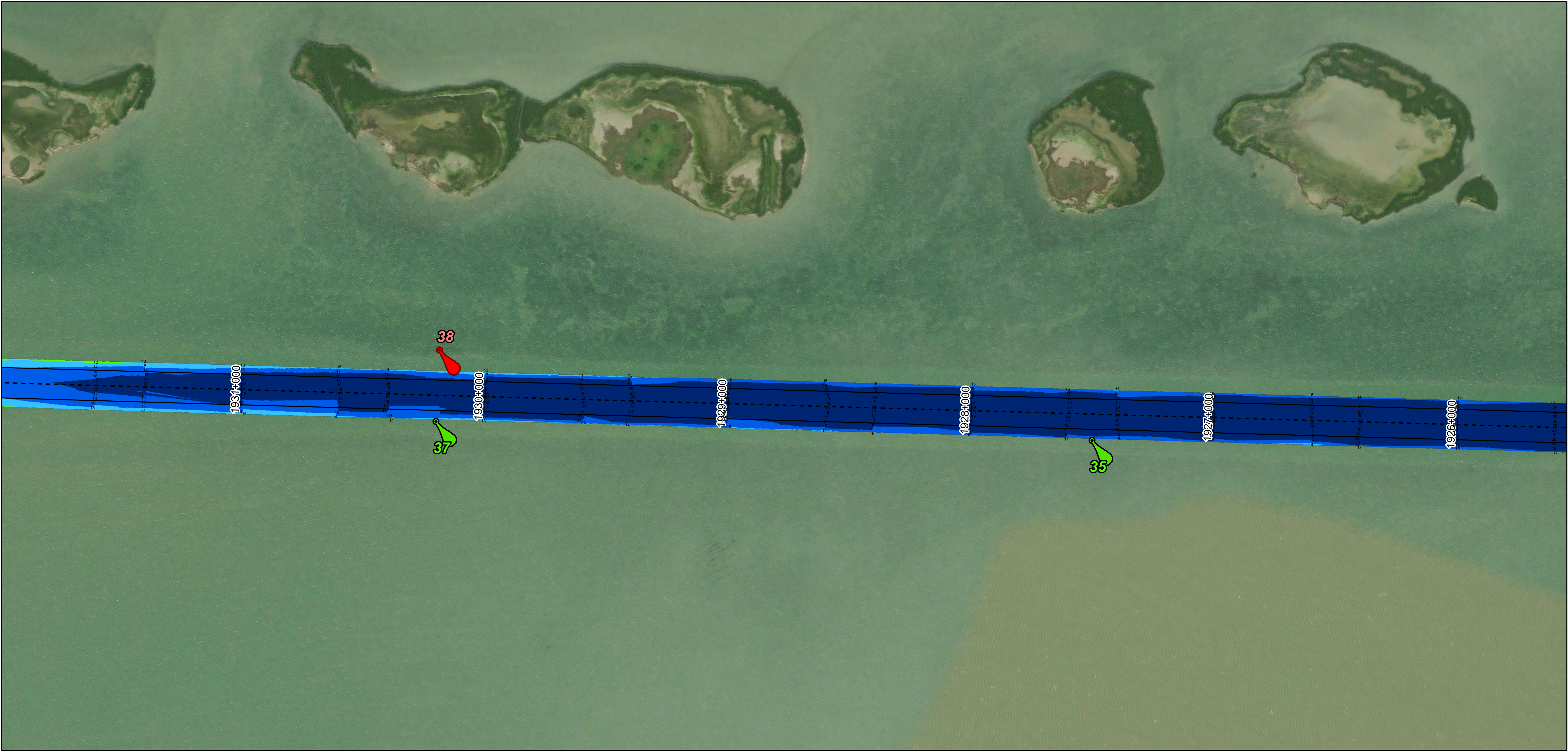
U.S. Army Corps of Engineers  
Galveston District



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

MLLW

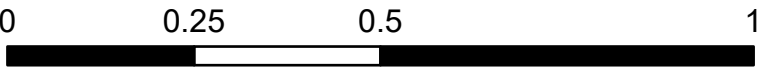


NOTES:  
1. Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.  
2. Elevations are referenced to mean lower low tide (MLLW) datum.  
3. This project was designed by the Galveston District of the U.S. Army Corps of Engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by 47 CFR 111.11-111.12.  
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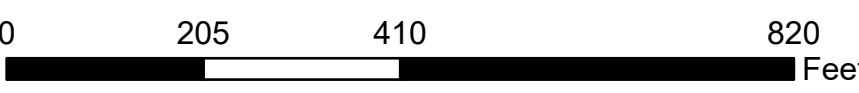
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Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet  
Projection: Lambert Conformal Conic

Dredging Reach Extent



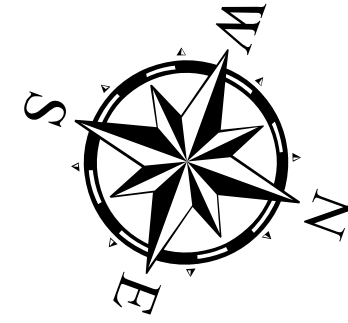
Hydrographic Survey Extent



HYDROGRAPHIC SURVEY

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

Station: 1878+700 to 1999+277  
GULF INTRACOASTAL WATERWAY  
Arroyo Colorado to Port Brownsville



Latest Survey Collection Date: 07 December 2023

Document Page: 10 of 23

Scale: 1"=2,400'

Mapped by: M3AOXPAC

Additional Imagery info:

Authorized Depth: -13ft.

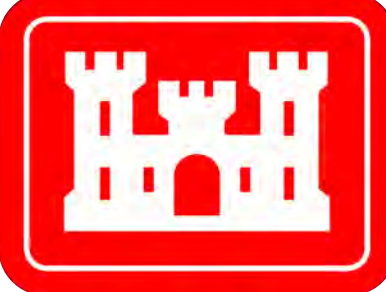
Side Slope Ratio: (Rise : Run)

PDF Print Date: 12/13/2023


Website Index Number: 326

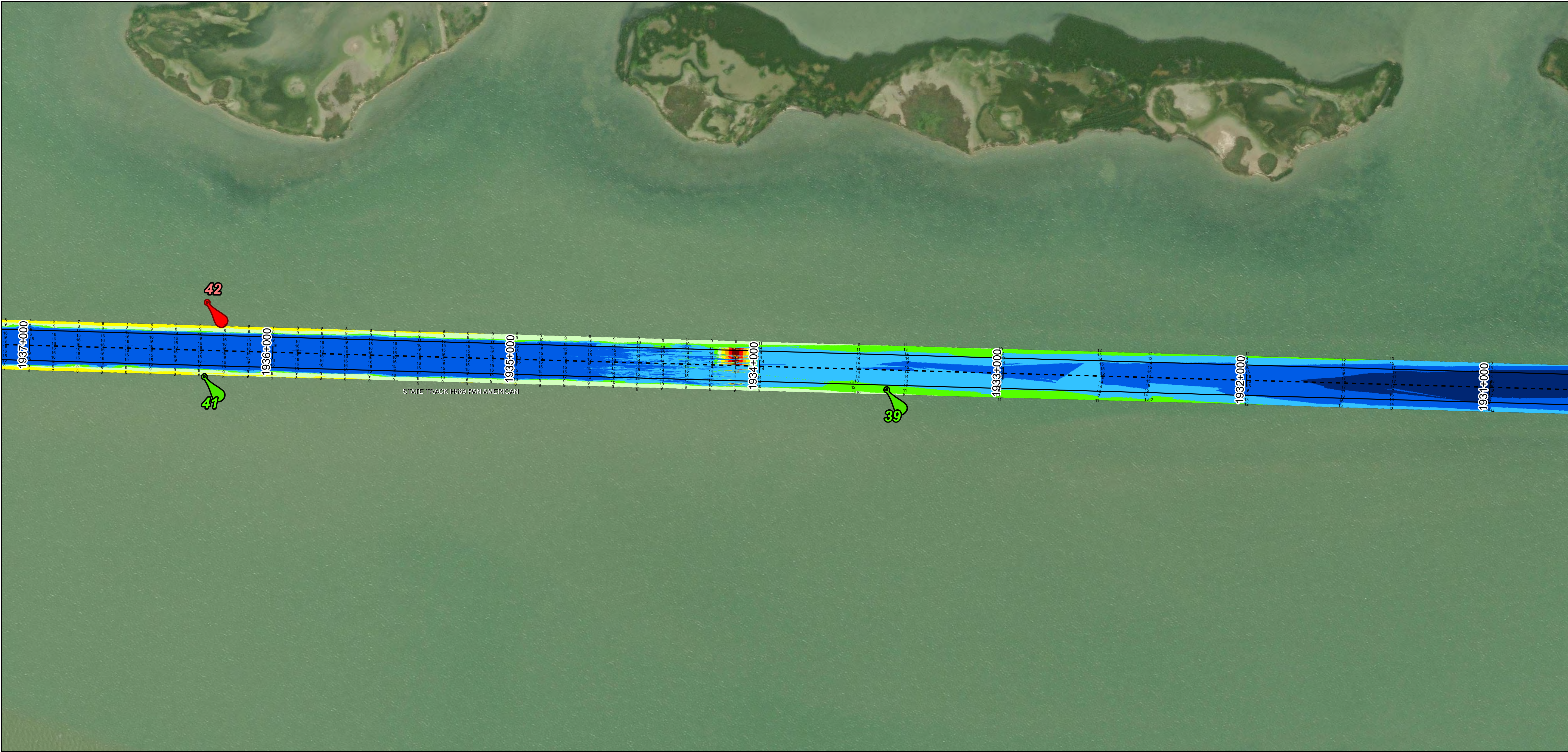
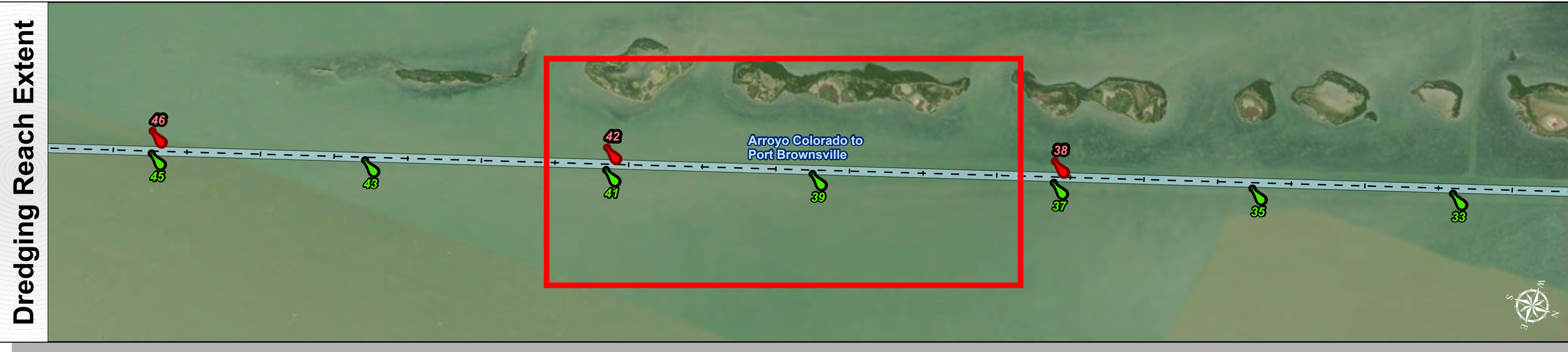
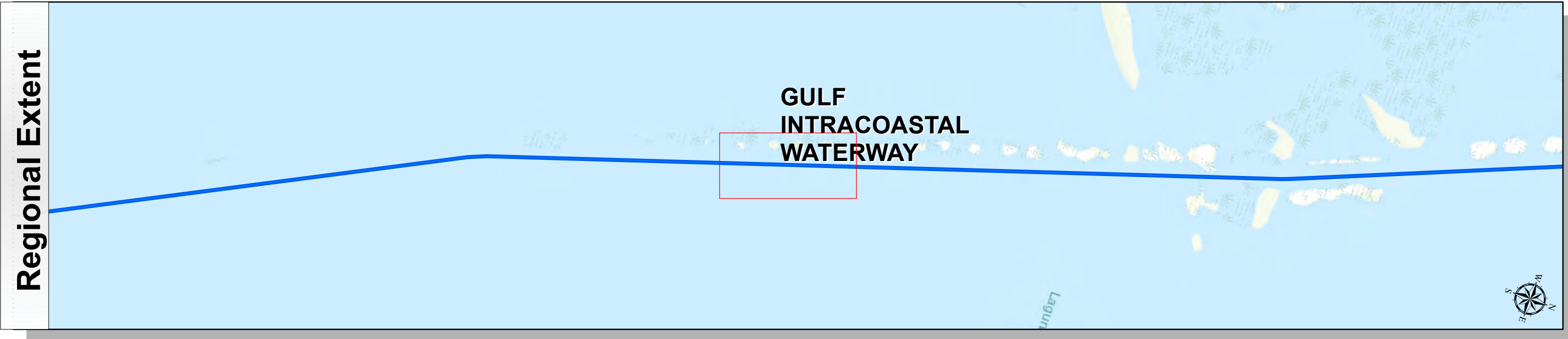
12/13/2023

# Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville



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

**MLLW**

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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- 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, NOAA, EPA, USDA  
World Imagery: Maxar, Microsoft  
World Imagery: Maxar

Additional Combined Survey Dates and Stationing:

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

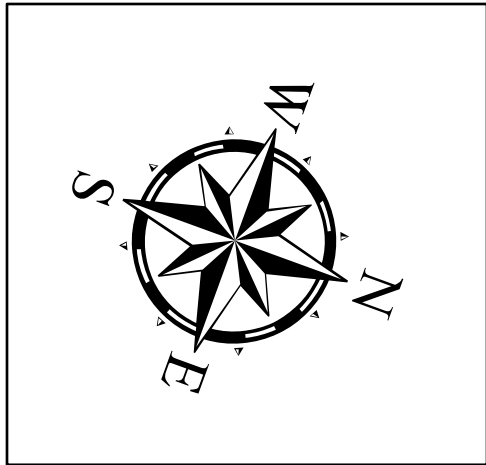
Dredging Reach Extent

0 0.25 0.5 1 Miles

Hydrographic Survey Extent

0 205 410 820 Feet

Latest Survey Collection Date: 07 December 2023		Authorized Depth: -13ft.	
Document Page: 11 of 23	Website Index Number: 327	Side Slope Ratio: (Rise : Run)	
Scale: 1"=2,400'		PDF Print Date: 12/13/2023	
Mapped by: M3AOXPAC			
Additional Imagery info:			



**HYDROGRAPHIC SURVEY**

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

**Station: 1878+700 to 1999+277**

**GULF INTRACOASTAL WATERWAY**

Arroyo Colorado to Port Brownsville

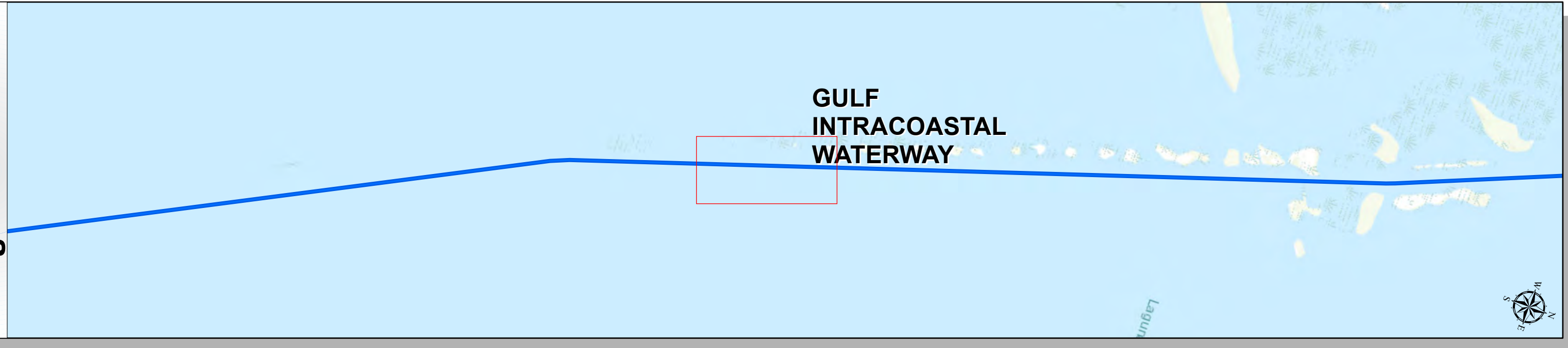
# Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville



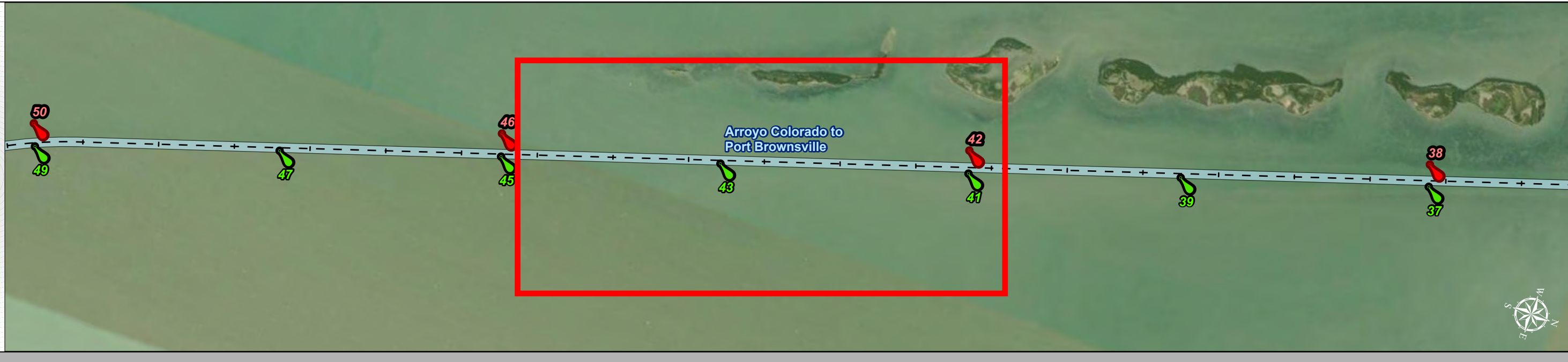
U.S. Army Corps of Engineers  
Galveston District



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

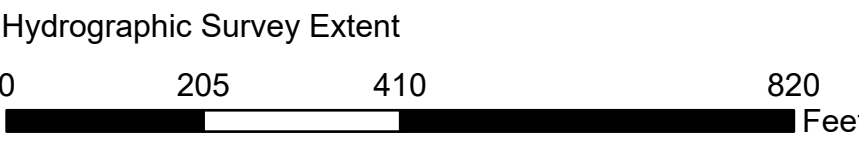
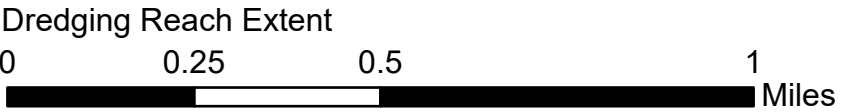
MLLW



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World Imagery: Maxar, Microsoft  
World Imagery: Maxar

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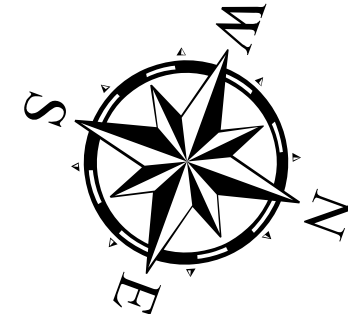
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Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

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

Station: 1878+700 to 1999+277  
GULF INTRACOASTAL WATERWAY  
Arroyo Colorado to Port Brownsville



Latest Survey Collection Date: 07 December 2023

Document Page: 12 of 23

Scale: 1"=2,400'

Website Index Number: 328

Authorized Depth: -13ft.

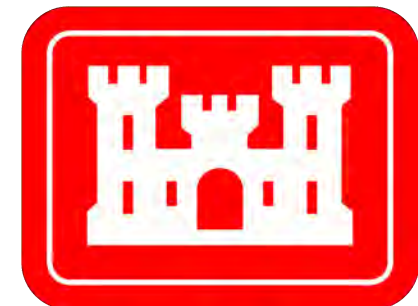
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PDF Print Date: 12/13/2023

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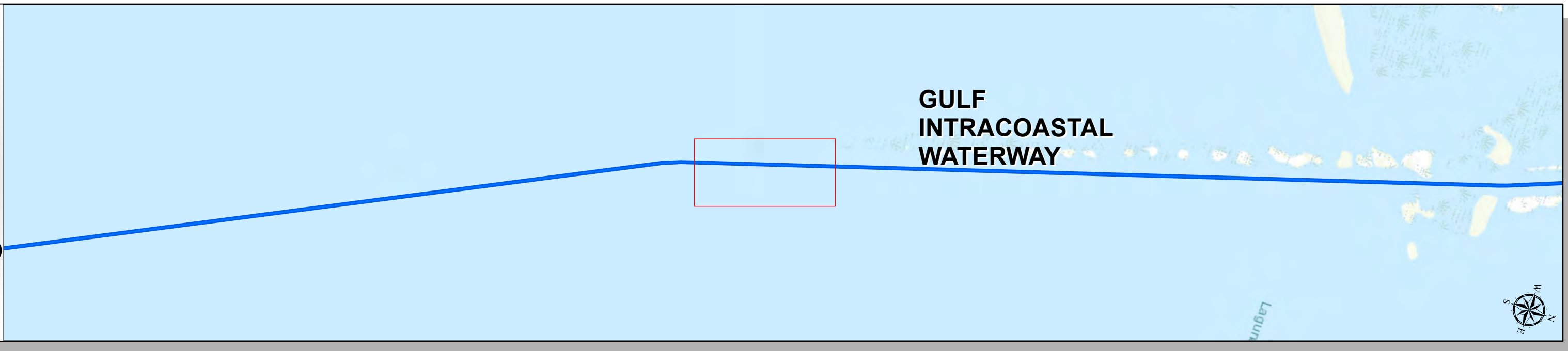
# Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville



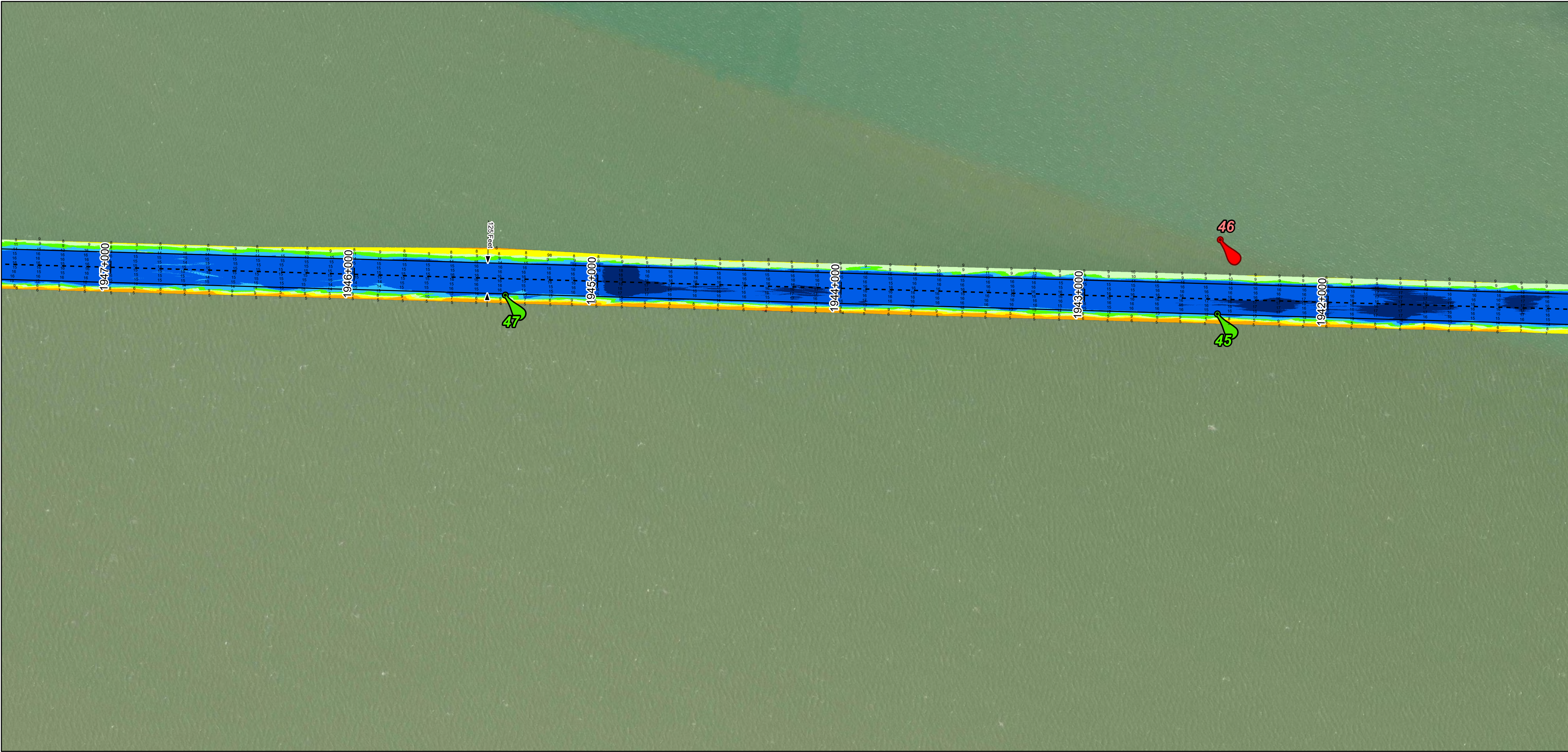
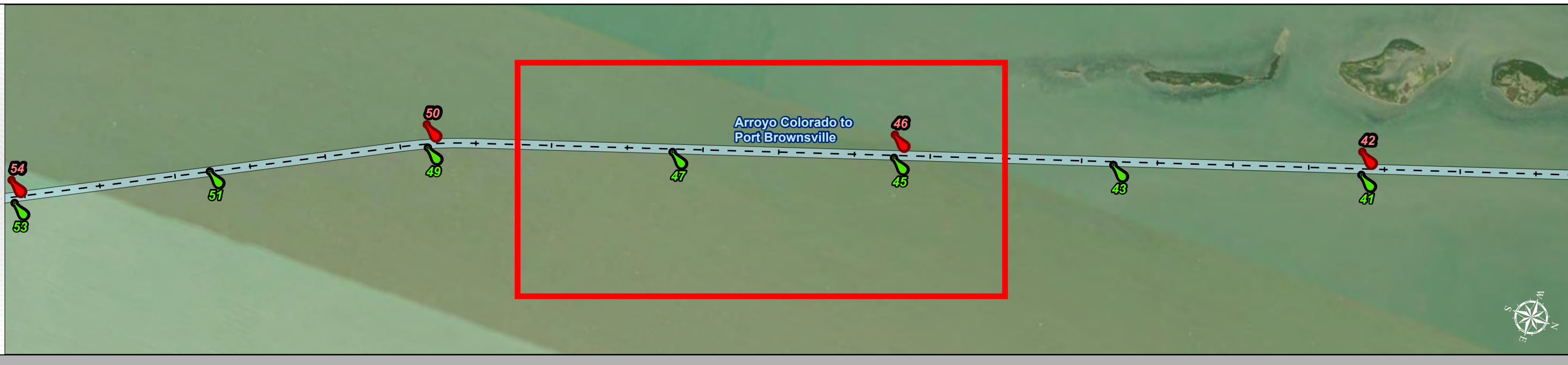
U.S. Army Corps of Engineers  
Galveston District



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

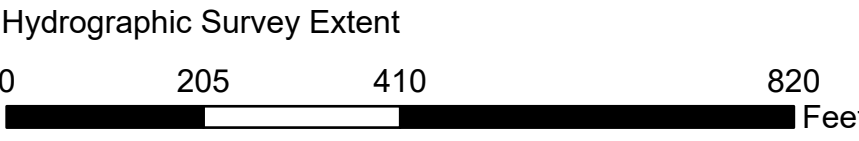
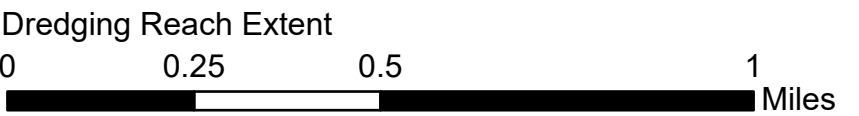
MLLW



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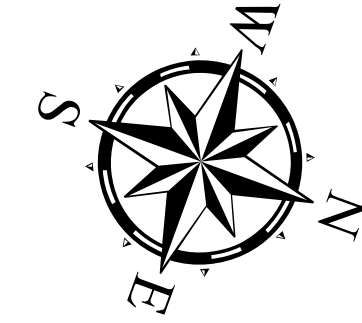
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Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

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

Station: 1878+700 to 1999+277  
GULF INTRACOASTAL WATERWAY  
Arroyo Colorado to Port Brownsville



Latest Survey Collection Date: 07 December 2023

Document Page: 13 of 23

Scale:  
1"=2,400'

Website Index Number: 329

Authorized Depth: -13ft.

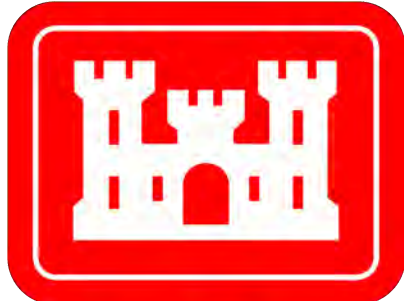
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PDF Print Date: 12/13/2023

Mapped by: M3AOXPAC

Additional Imagery info:

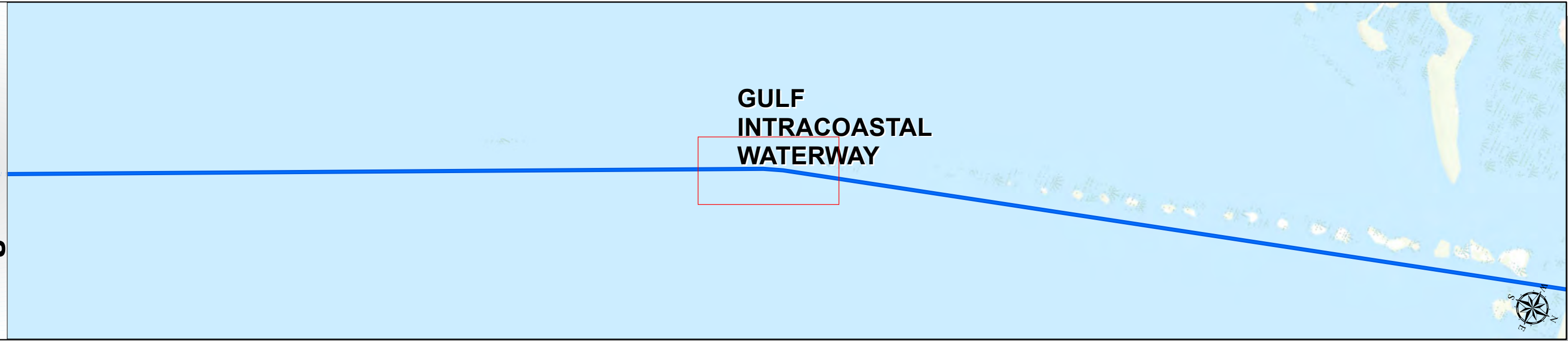
# Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville



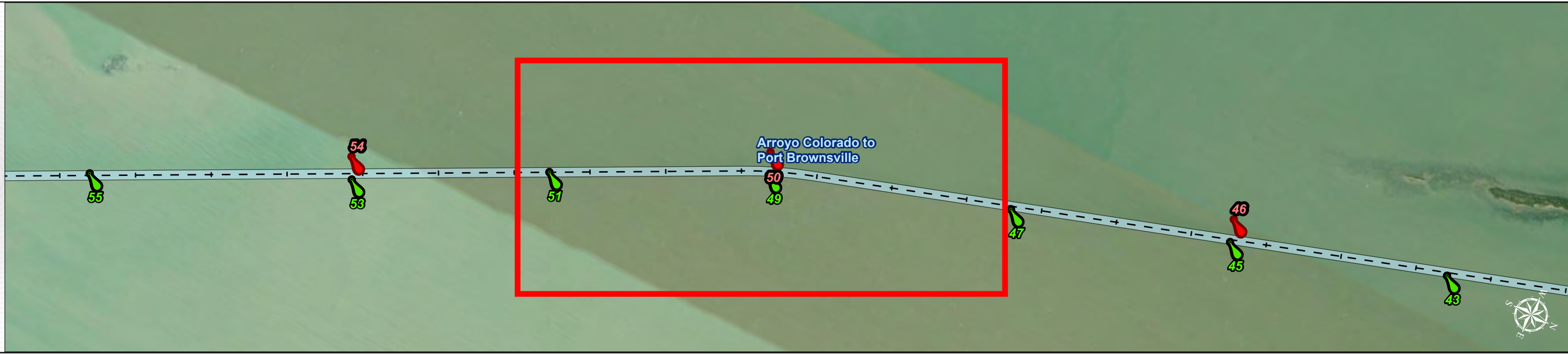
U.S. Army Corps of Engineers  
Galveston District



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

## MLLW



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World Imagery: Maxar, Microsoft  
World Imagery: Maxar

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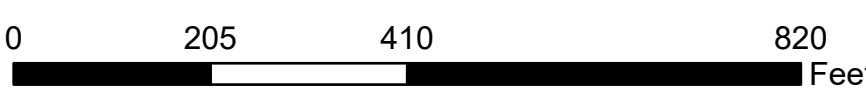
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20231207\_AD\_08\_1940P000\_1945P000; 20231207\_AD\_09\_1945P000\_1950P000

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

## Dredging Reach Extent



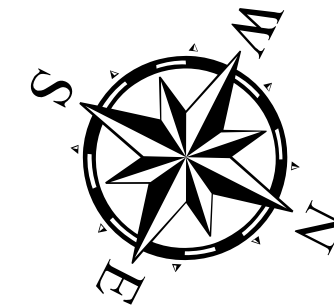
## Hydrographic Survey Extent



## HYDROGRAPHIC SURVEY

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

Station: 1878+700 to 1999+277  
GULF INTRACOASTAL WATERWAY  
Arroyo Colorado to Port Brownsville



Latest Survey Collection Date: 07 December 2023

Document Page: 14 of 23

Scale: 1"=2,400'

Mapped by: M3AOXPAC

Additional Imagery info:

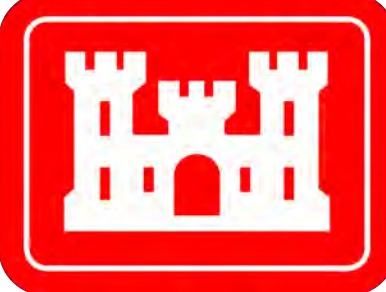
Authorized Depth: -13ft.

Website Index Number: 330

Side Slope Ratio: (Rise : Run)

PDF Print Date: 12/13/2023

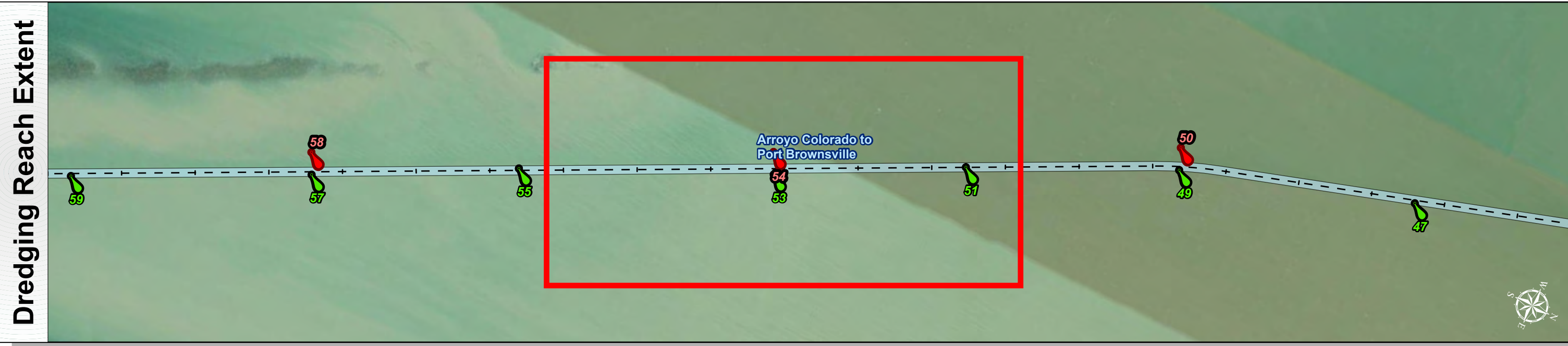
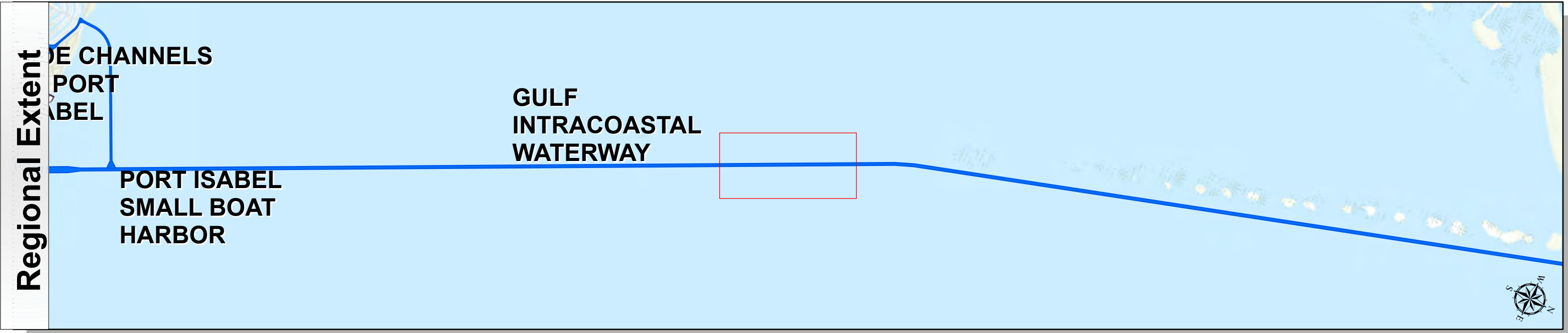
# Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville



U.S. Army Corps of Engineers  
Galveston District



T E X A S



**Channel Features**

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

**Aids to Navigation**

- Green Side Aids
- Red Side Aids
- Lights

**MLLW**

0 - 3	3 - 5	5 - 7	7 - 9	9 - 11	11 - 13	13 - 15	15 - 17	< 17
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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 tide (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 47 CFR 111.05-1 and 111.05-2.
- 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.
- 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, NOAA, EPA, USDA  
World Imagery: Maxar, Microsoft  
World Imagery: Maxar

Additional Combined Survey Dates and Stationing:

Combined survey dates 20230311\_CS; 20231115\_AD\_11\_1955P000\_1961P000; 20231120\_AD\_10\_1950P000\_1955P000; 20231204\_AD\_07\_1934P000\_1940P000; 20231207\_AD\_08\_1940P000\_1945P000; 20231207\_AD\_09\_1945P000\_1950P000

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

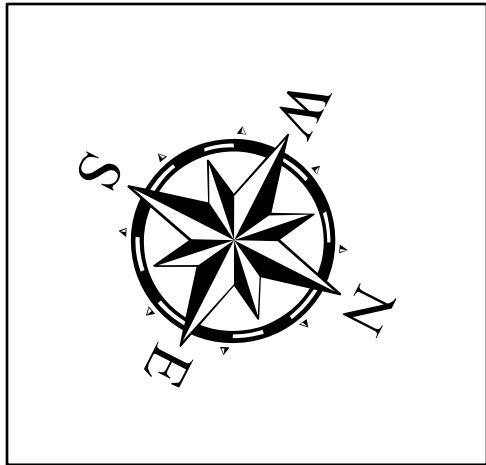
Dredging Reach Extent

0 0.25 0.5 1 Miles

Hydrographic Survey Extent

0 205 410 820 Feet

Latest Survey Collection Date: 07 December 2023		Authorized Depth: -13ft.
Document Page: 15 of 23	Website Index Number: 331	Side Slope Ratio: (Rise : Run)
Scale: 1"=2,400'		PDF Print Date: 12/13/2023
Mapped by: M3AOXPAC		
Additional Imagery info:		

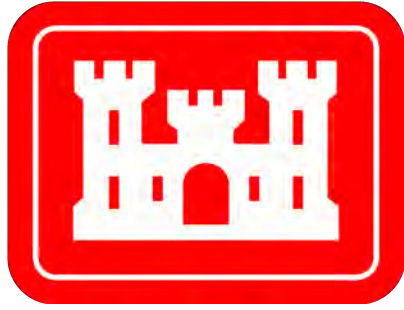


**HYDROGRAPHIC SURVEY**

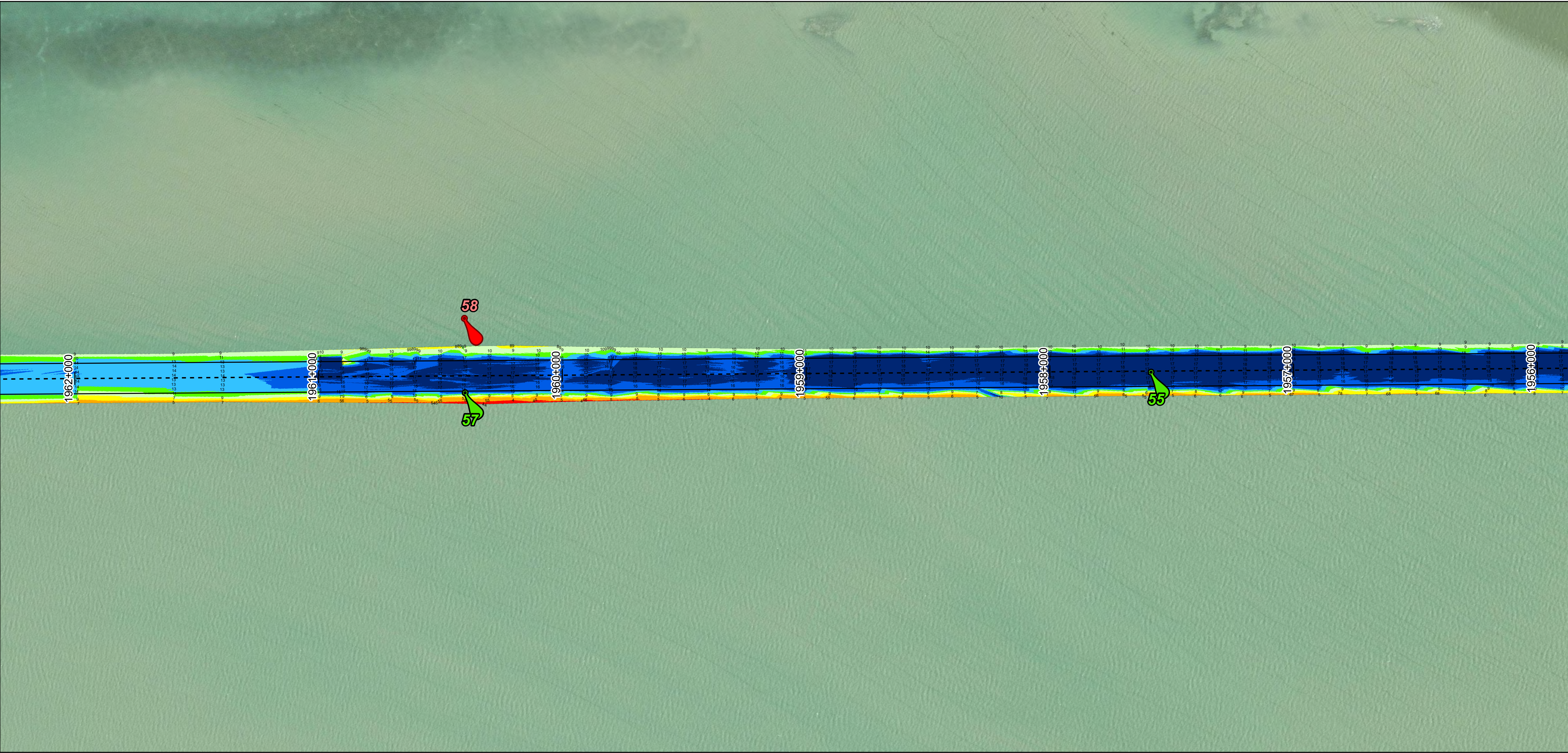
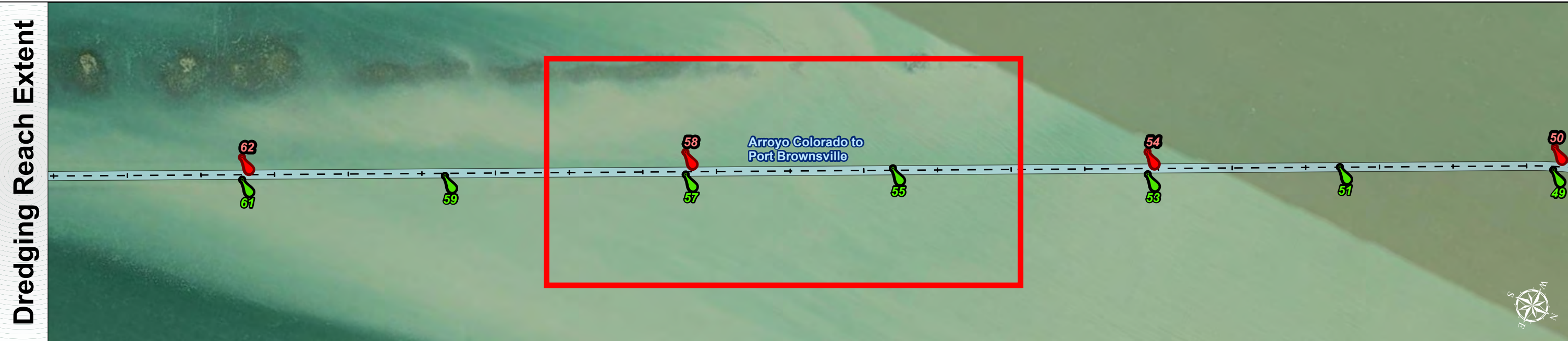
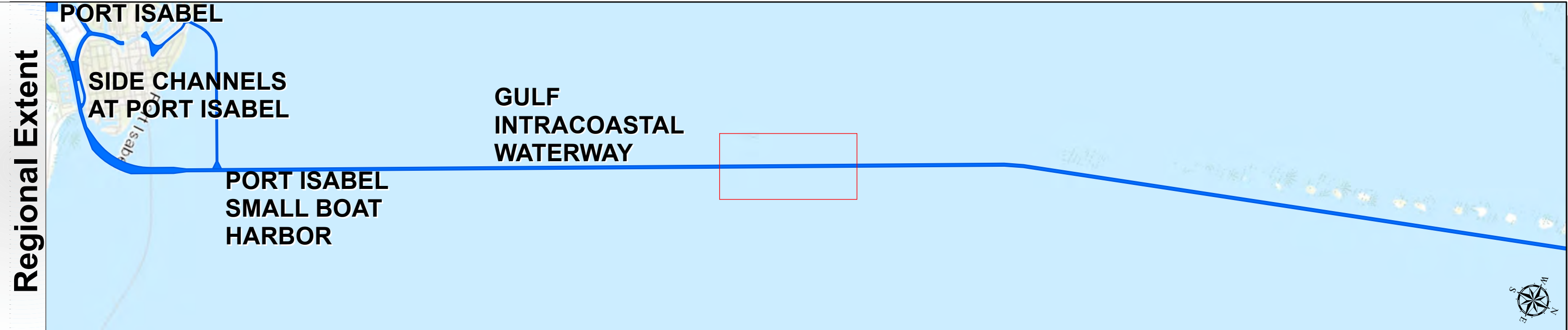
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

Station: 1878+700 to 1999+277  
GULF INTRACOASTAL WATERWAY  
Arroyo Colorado to Port Brownsville

# Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville



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

**MLLW**

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

**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 tide (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 47 CFR 111.01-01152.
- 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, Microsoft  
World Imagery: Maxar

**Additional Combined Survey Dates and Stationing:**

Combined survey dates 20230311\_CS; 20231115\_AD\_11\_1955P000\_1961P000; 20231120\_AD\_10\_1950P000\_1955P000; 20231204\_AD\_07\_1934P000\_1940P000; 20231207\_AD\_08\_1940P000\_1945P000; 20231207\_AD\_09\_1945P000\_1950P000

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

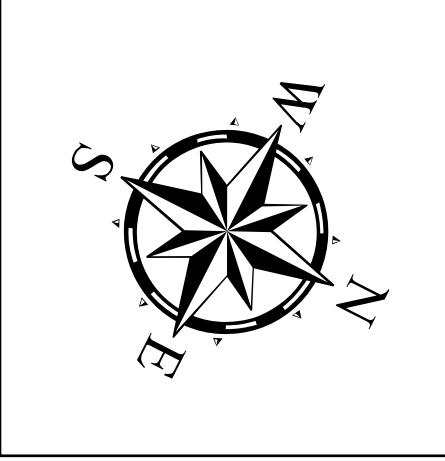
Dredging Reach Extent

0 0.25 0.5 1 Miles

Hydrographic Survey Extent

0 205 410 820 Feet

Latest Survey Collection Date: 07 December 2023		Authorized Depth: -13ft.
Document Page: 16 of 23	Website Index Number: 332	Side Slope Ratio: (Rise : Run)
Scale: 1:2,400		PDF Print Date: 12/13/2023
Mapped by: M3AOXPAC		
Additional Imagery info:		



**HYDROGRAPHIC SURVEY**

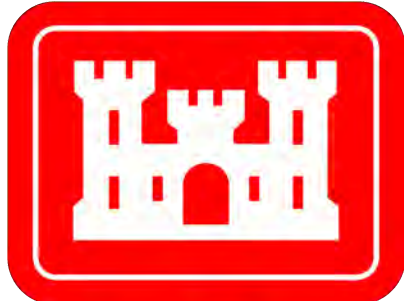
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

**Station: 1878+700 to 1999+277**

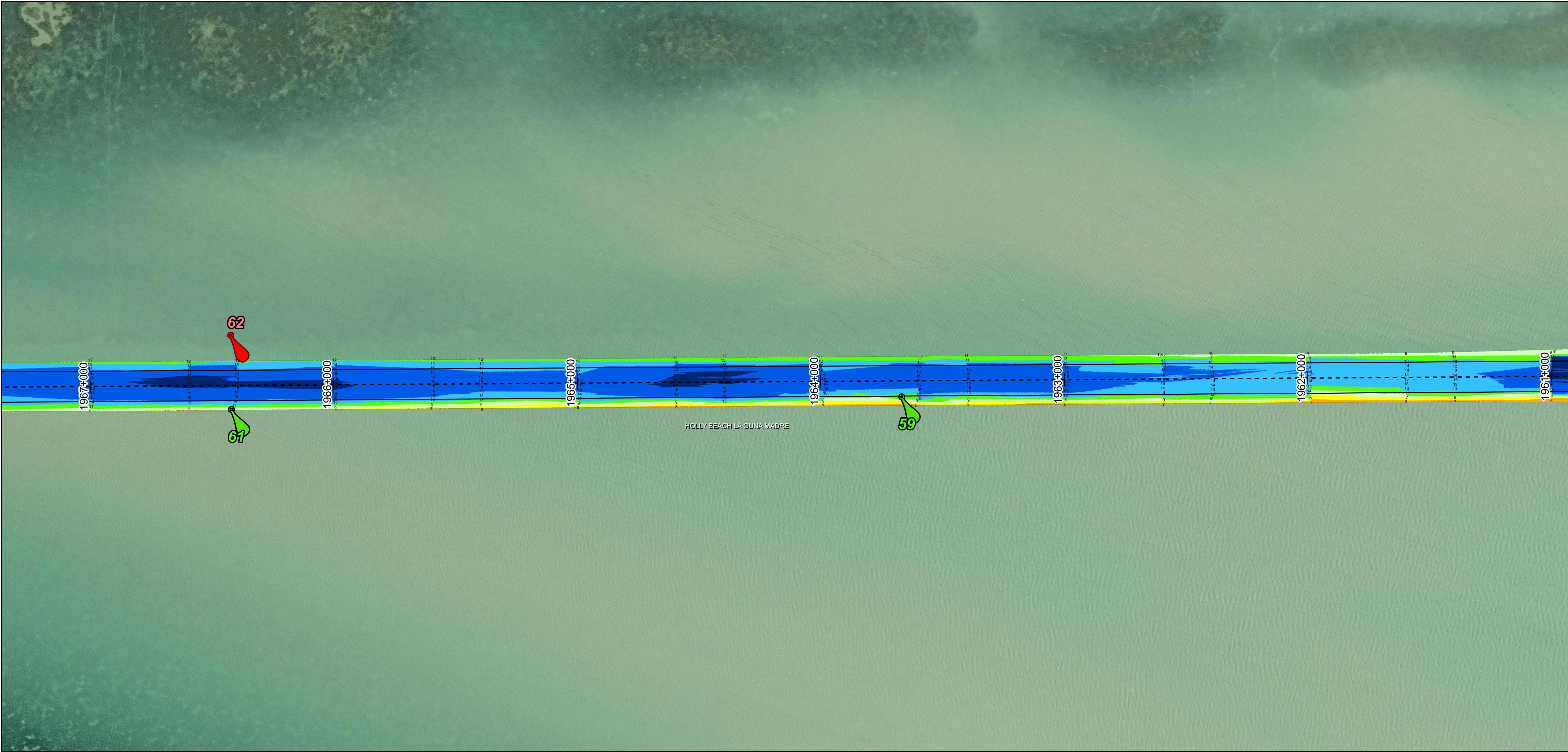
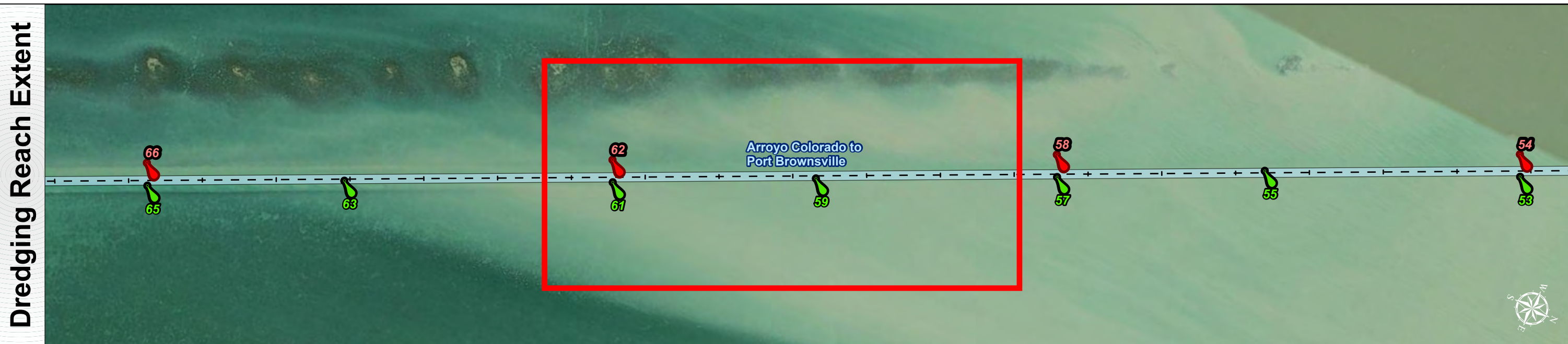
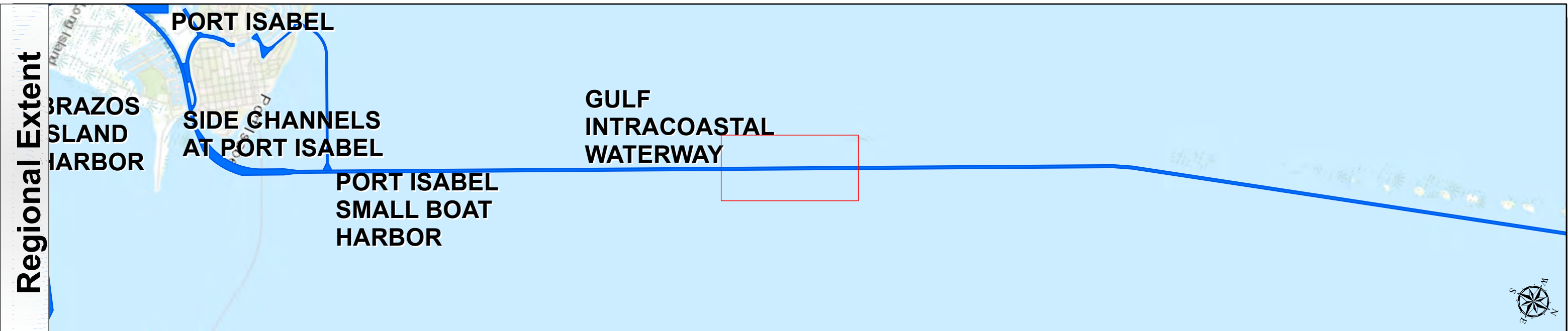
**GULF INTRACOASTAL WATERWAY**

Arroyo Colorado to Port Brownsville

# Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville



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

**MLLW**

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

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.  
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 111.05-111.052.  
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, MET/NASA, NOAA, EPA, USDA  
World Imagery: Maxar, Microsoft  
World Imagery: Maxar

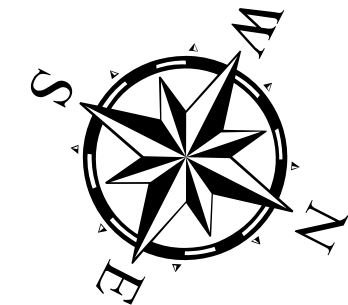
**Additional Combined Survey Dates and Stationing:**  
Combined survey dates 20230311\_CS; 20231115\_AD\_11\_1955P000\_1961P000;  
20231120\_AD\_10\_1950P000\_1955P000; 20231204\_AD\_07\_1934P000\_1940P000;  
20231207\_AD\_08\_1940P000\_1945P000; 20231207\_AD\_09\_1945P000\_1950P000

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

**Dredging Reach Extent**  
0 0.25 0.5 1 Miles

**Hydrographic Survey Extent**  
0 205 410 820 Feet

Latest Survey Collection Date: 07 December 2023		Authorized Depth: -13ft.
Document Page: 17 of 23	Website Index Number: 333	Side Slope Ratio: (Rise : Run)
1"=2,400'		PDF Print Date: 12/13/2023
Scale:		
Mapped by: M3AOXPAC		
Additional Imagery info:		

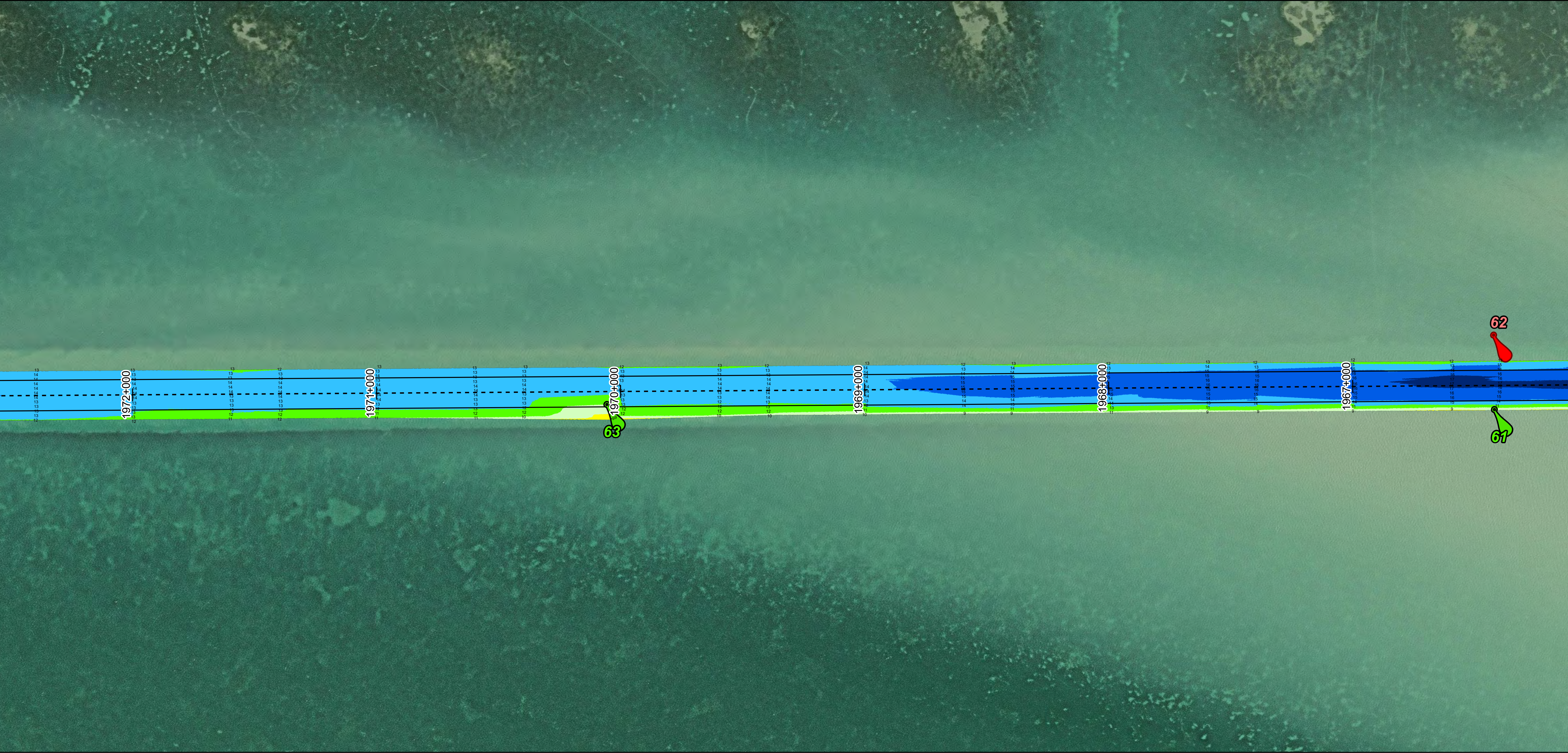
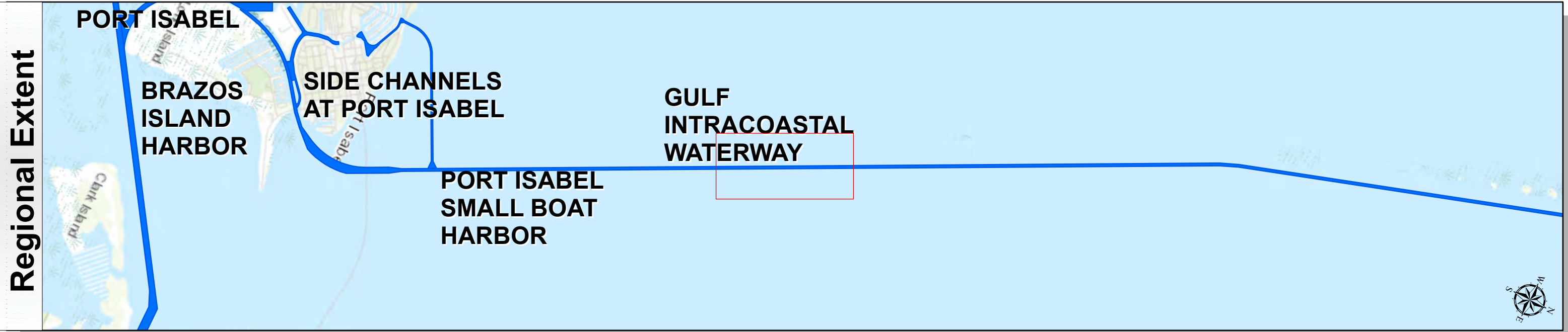


**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS  
**Station: 1878+700 to 1999+277**  
**GULF INTRACOASTAL WATERWAY**  
Arroyo Colorado to Port Brownsville

# Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville



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

**MLLW**

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:**

- 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.
- 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 111.05-61152.
- 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.
- 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, Microsoft  
World Imagery: Maxar

**Additional Combined Survey Dates and Stationing:**

Combined survey dates 20230311\_CS; 20231115\_AD\_11\_1955P000\_1961P000; 20231120\_AD\_10\_1950P000\_1955P000; 20231204\_AD\_07\_1934P000\_1940P000; 20231207\_AD\_08\_1940P000\_1945P000; 20231207\_AD\_09\_1945P000\_1950P000

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

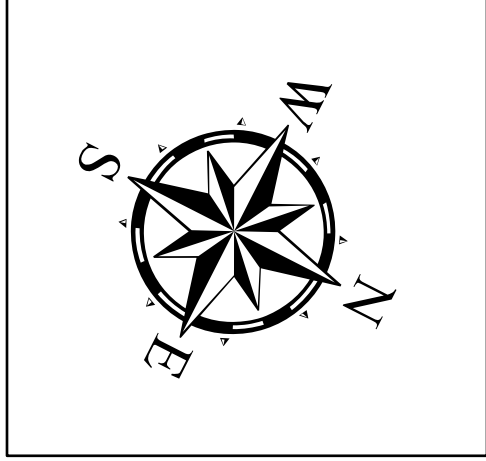
Dredging Reach Extent

0 0.25 0.5 1 Miles

Hydrographic Survey Extent

0 205 410 820 Feet

Latest Survey Collection Date: 07 December 2023		Authorized Depth: -13ft.
Document Page: 18 of 23	Website Index Number: 334	Side Slope Ratio: (Rise : Run)
Scale: 1"=2,400'		PDF Print Date: 12/13/2023
Mapped by: M3AOXPAC		
Additional Imagery info:		



**HYDROGRAPHIC SURVEY**

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

**Station: 1878+700 to 1999+277**

**GULF INTRACOASTAL WATERWAY**

Arroyo Colorado to Port Brownsville

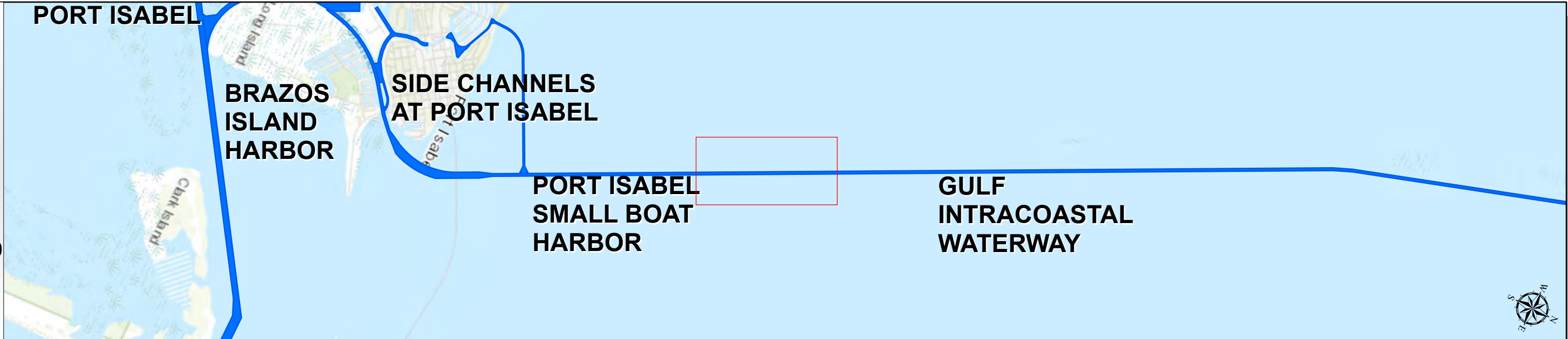
# Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville



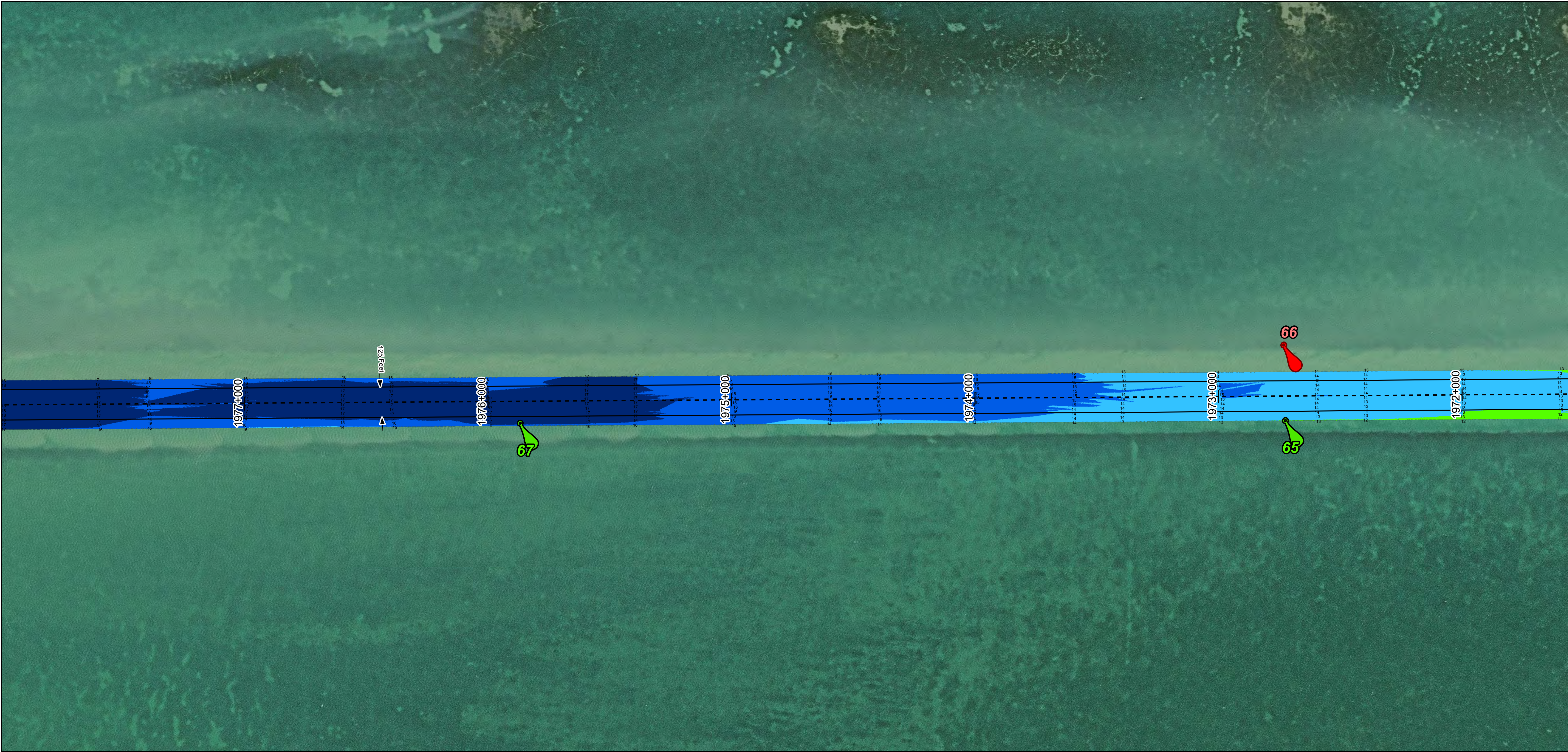
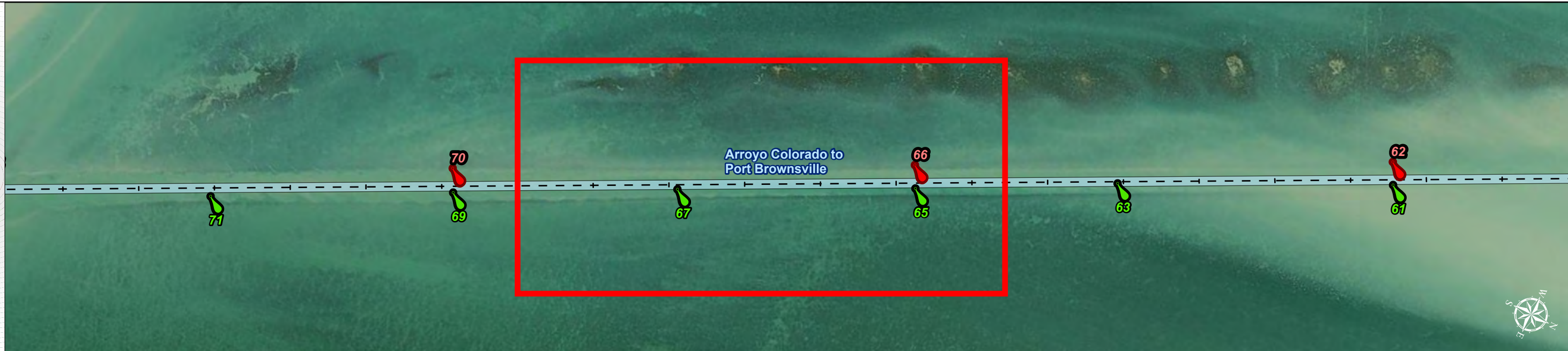
U.S. Army Corps of Engineers  
Galveston District



Regional Extent



Dredging Reach Extent



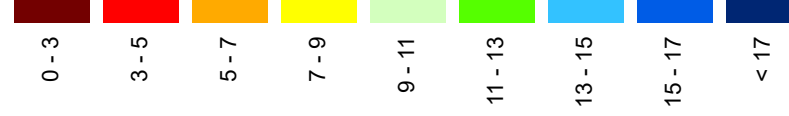
Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

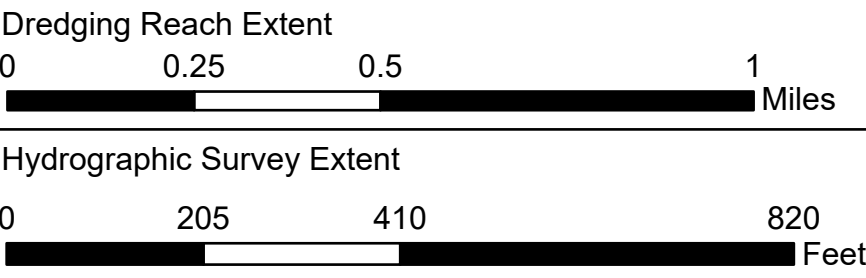
MLLW



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 tide (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 47 CFR 110.1-110.152.  
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, Microsoft  
World Imagery: Maxar

Additional Combined Survey Dates and Stationing:  
Combined survey dates 20230311\_CS; 20231115\_AD\_11\_1955P000\_1961P000;  
20231120\_AD\_10\_1950P000\_1955P000; 20231204\_AD\_07\_1934P000\_1940P000;  
20231207\_AD\_08\_1940P000\_1945P000; 20231207\_AD\_09\_1945P000\_1950P000

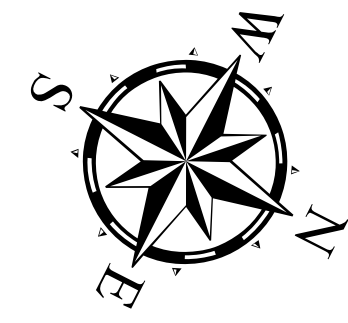
Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet  
Projection: Lambert Conformal Conic



HYDROGRAPHIC SURVEY

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

Station: 1878+700 to 1999+277  
GULF INTRACOASTAL WATERWAY  
Arroyo Colorado to Port Brownsville

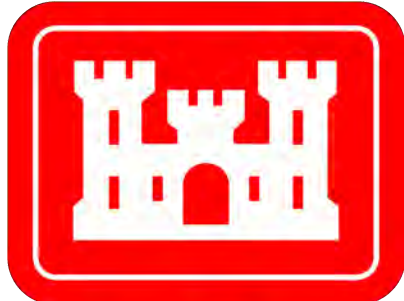


Latest Survey Collection Date: 07 December 2023  
Document Page: 19 of 23  
Scale: 1"=2,400'  
Mapped by: M3AOXPAC  
Additional Imagery info:

Authorized Depth: -13ft.  
Side Slope Ratio: (Rise : Run)  
PDF Print Date: 12/13/2023

Website Index Number: 335

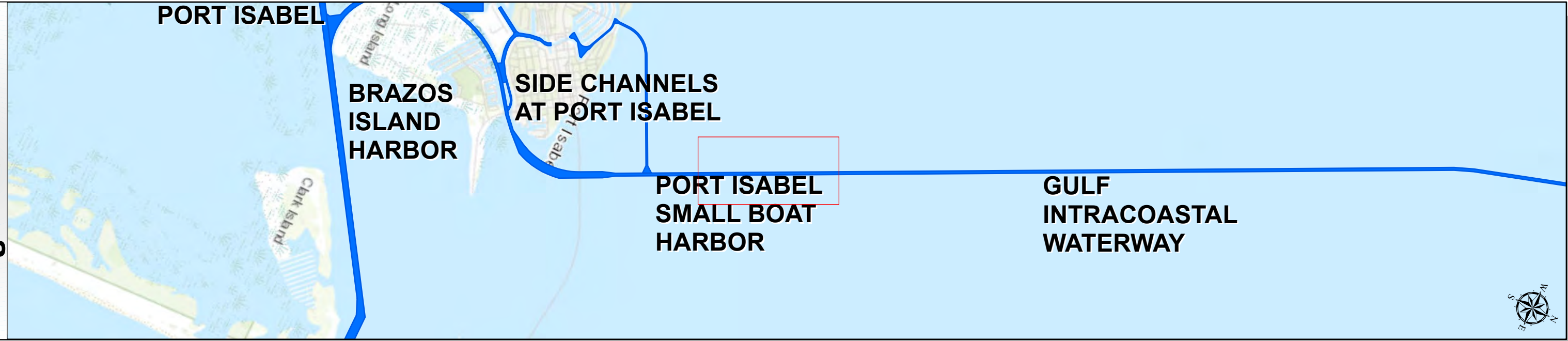
# Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville



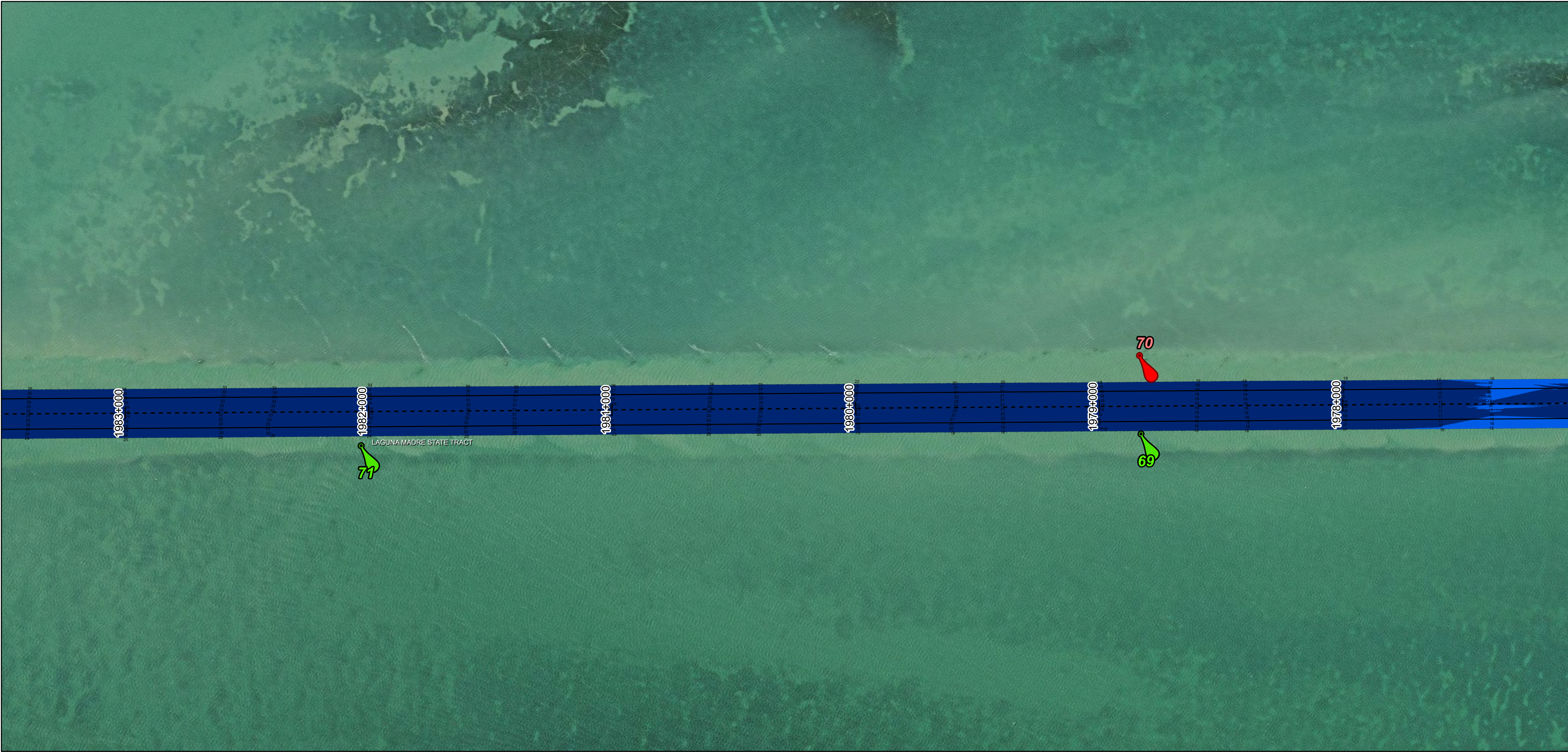
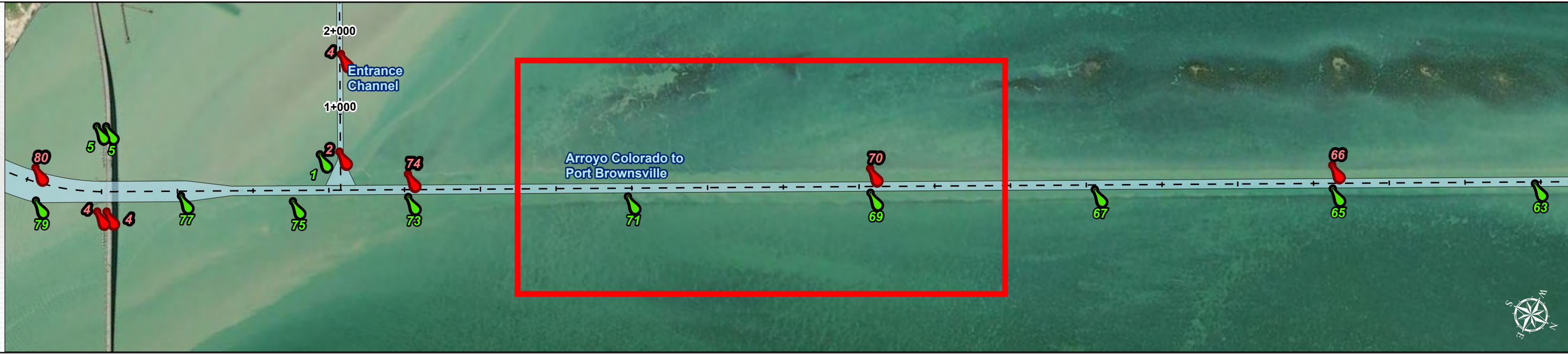
U.S. Army Corps of Engineers  
Galveston District



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

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 tide (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 47 CFR 111.11-111.12.
  - 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.
  - 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, NOAA, EPA, USDA  
World Imagery: Maxar, Microsoft  
World Imagery: Maxar

Additional Combined Survey Dates and Stationing:

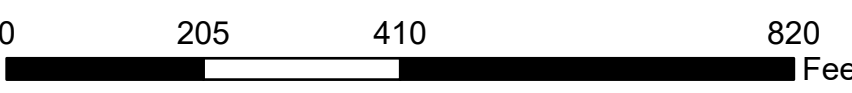
Combined survey dates 20230311\_CS; 20231115\_AD\_11\_1955P000\_1961P000; 20231120\_AD\_10\_1950P000\_1955P000; 20231204\_AD\_07\_1934P000\_1940P000; 20231207\_AD\_08\_1940P000\_1945P000; 20231207\_AD\_09\_1945P000\_1950P000

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

Dredging Reach Extent



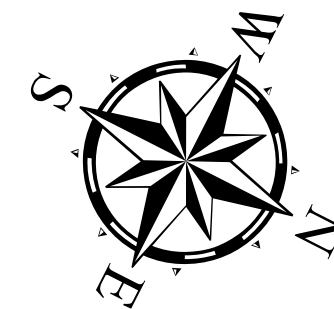
Hydrographic Survey Extent



HYDROGRAPHIC SURVEY

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

Station: 1878+700 to 1999+277  
GULF INTRACOASTAL WATERWAY  
Arroyo Colorado to Port Brownsville



Latest Survey Collection Date: 07 December 2023

Document Page: 20 of 23

Scale: 1"=2,400'

Mapped by: M3AOXPAC

Additional Imagery info:

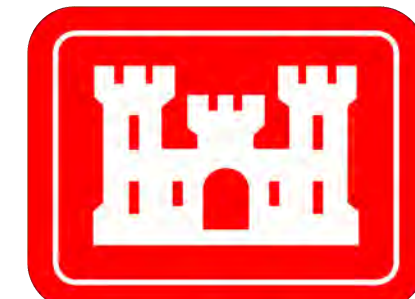
Authorized Depth: -13ft.

Side Slope Ratio: 1:3 (Rise : Run)

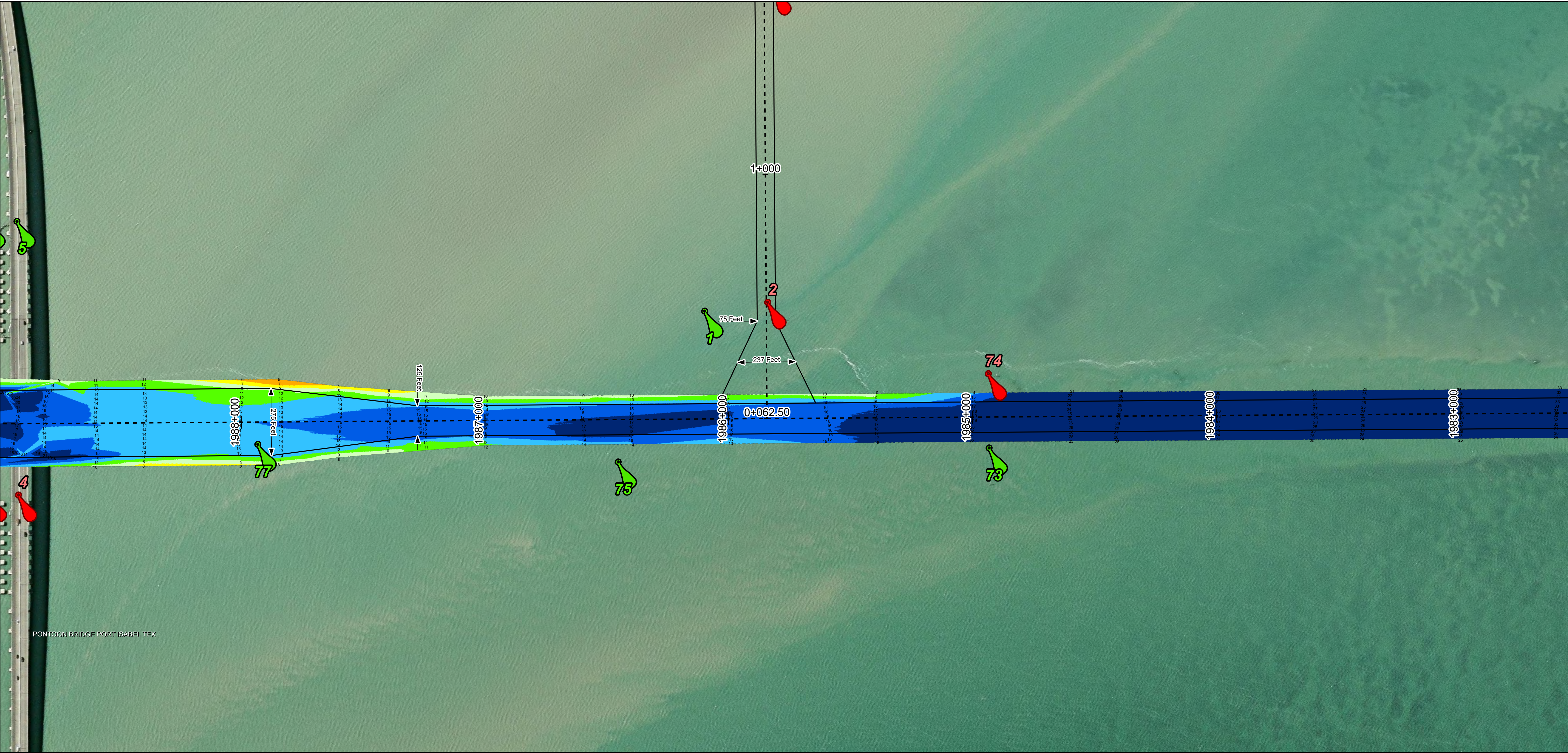
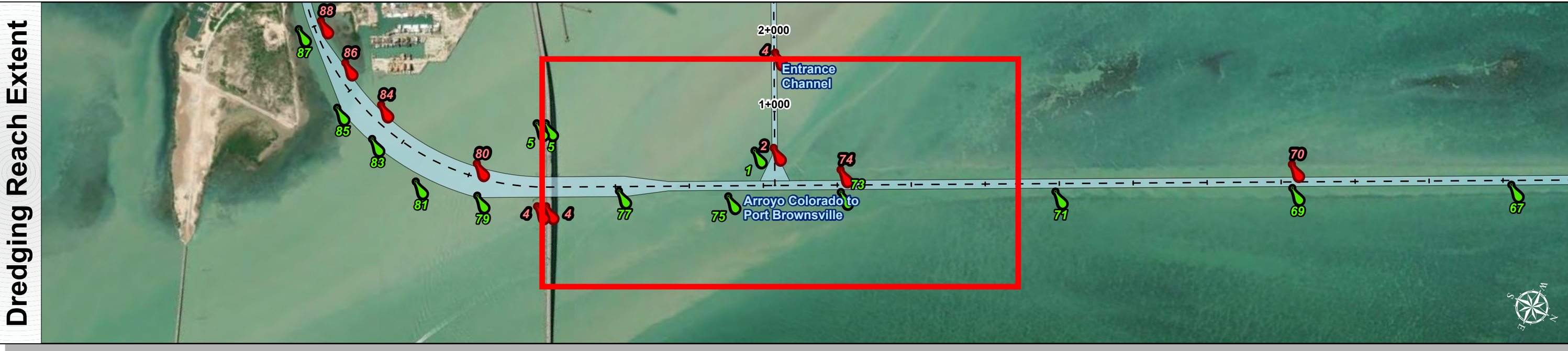
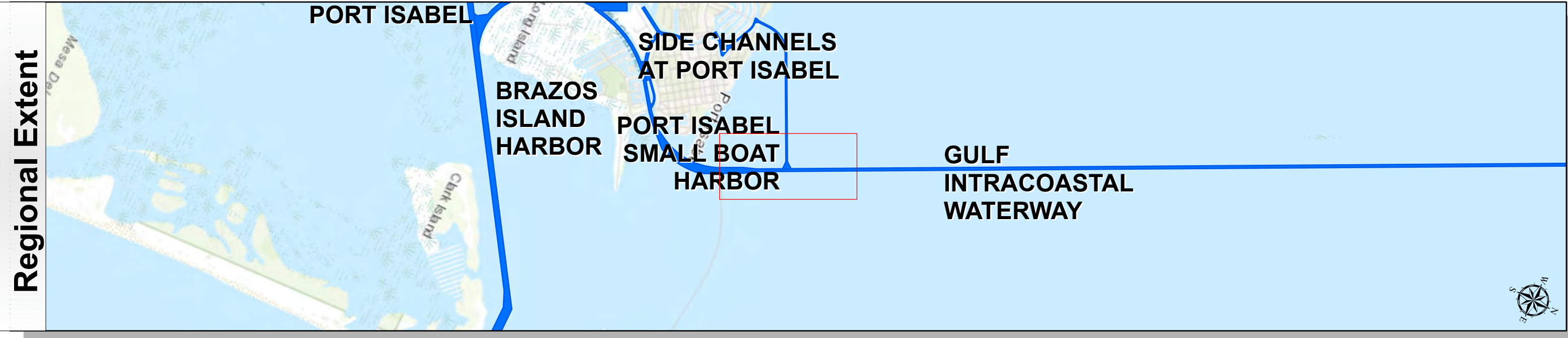
PDF Print Date: 12/13/2023

Website Index Number: 336

# Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville



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

**MLLW**

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

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.  
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 111.05-111.052.  
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, MET/NASA, NOAA, EPA, USDA  
World Imagery: Maxar  
World Imagery: Maxar

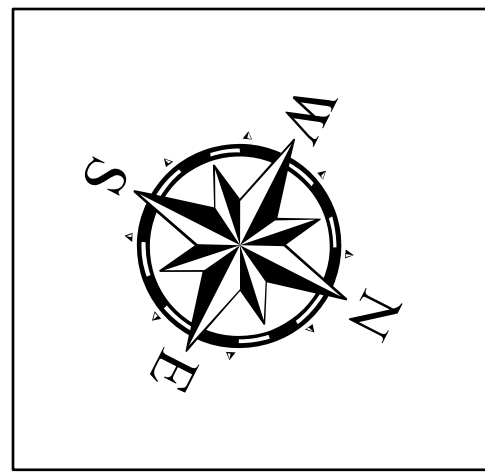
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Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet  
Projection: Lambert Conformal Conic

Dredging Reach Extent  
0 0.25 0.5 1 Miles

Hydrographic Survey Extent  
0 205 410 820 Feet

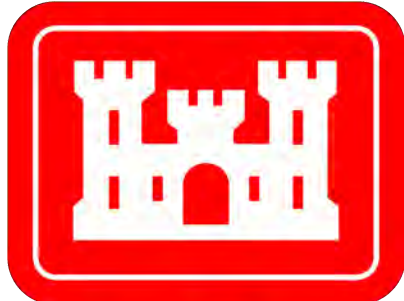
Latest Survey Collection Date: 07 December 2023		Authorized Depth: -13ft.
Document Page: 21 of 23	Website Index Number: 337	Side Slope Ratio: 1:3 (Rise : Run)
Scale: 1"=2,400'		PDF Print Date: 12/13/2023
Mapped by: M3AOXPAC		
Additional Imagery info:		



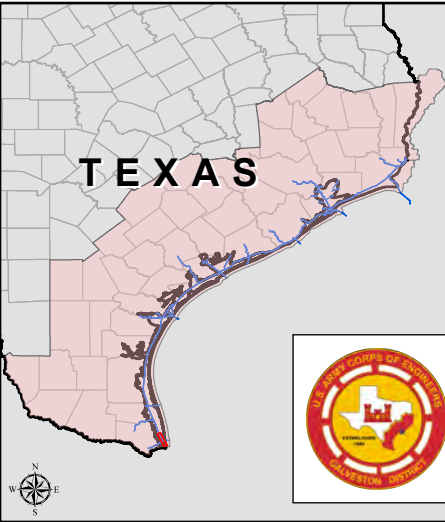
**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

**Station: 1878+700 to 1999+277**  
**GULF INTRACOASTAL WATERWAY**  
Arroyo Colorado to Port Brownsville

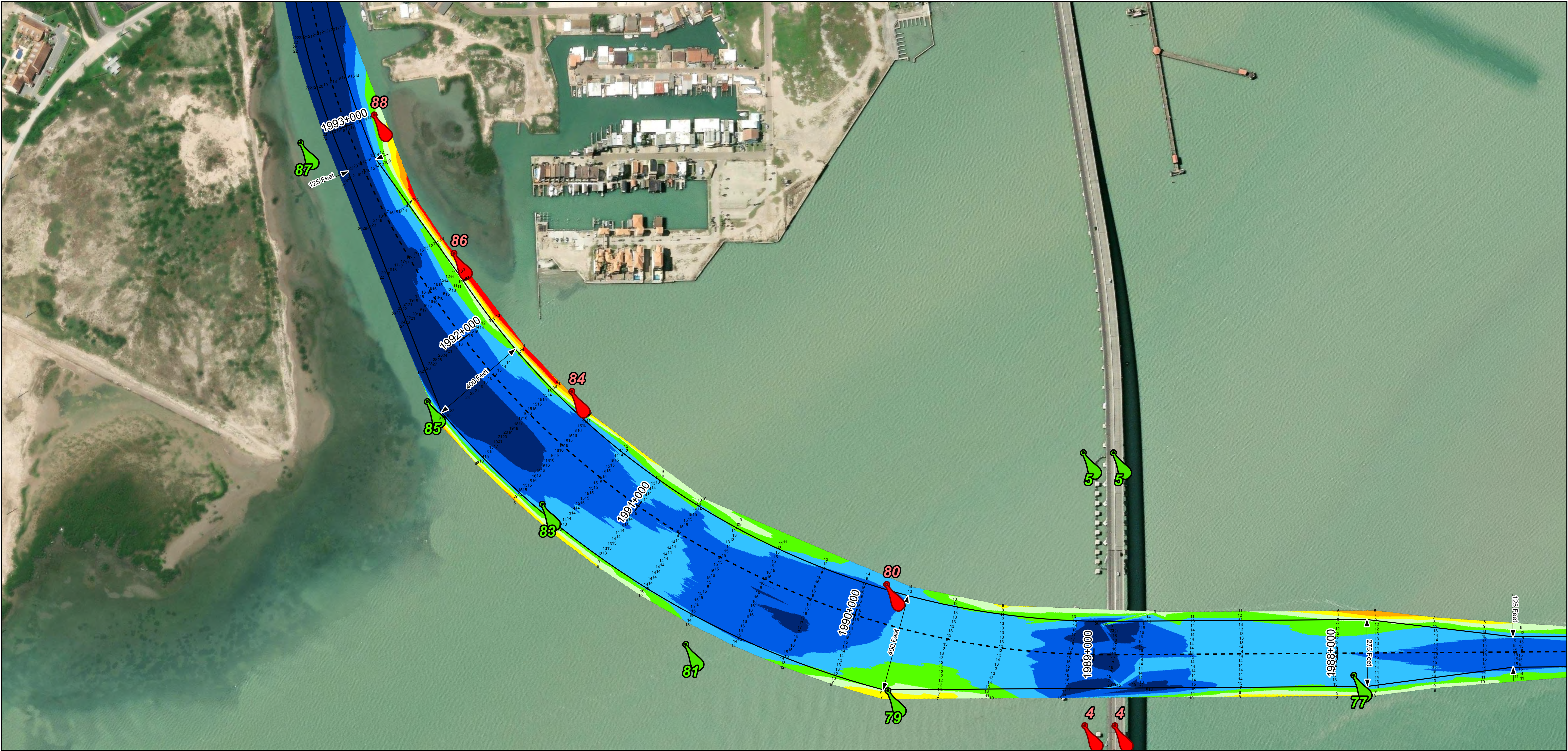
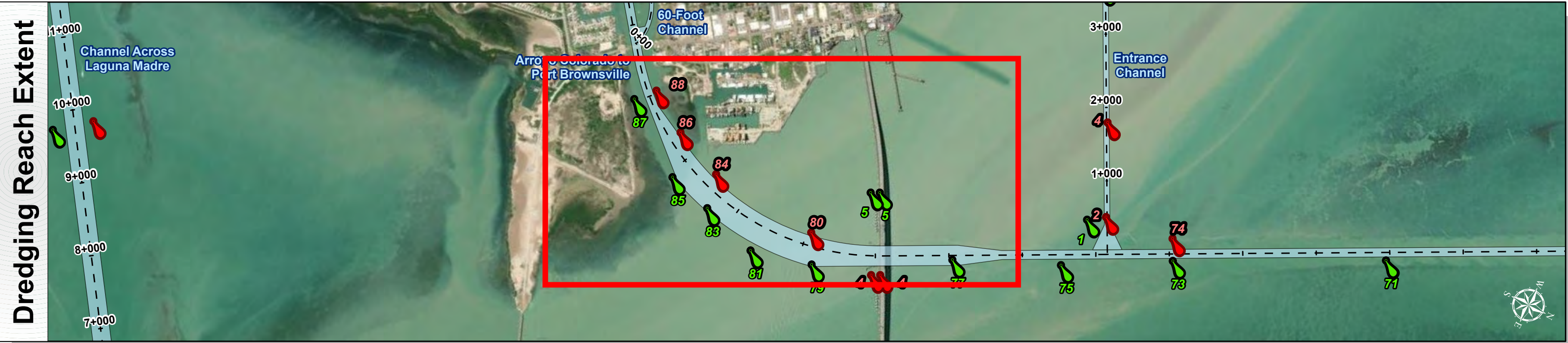
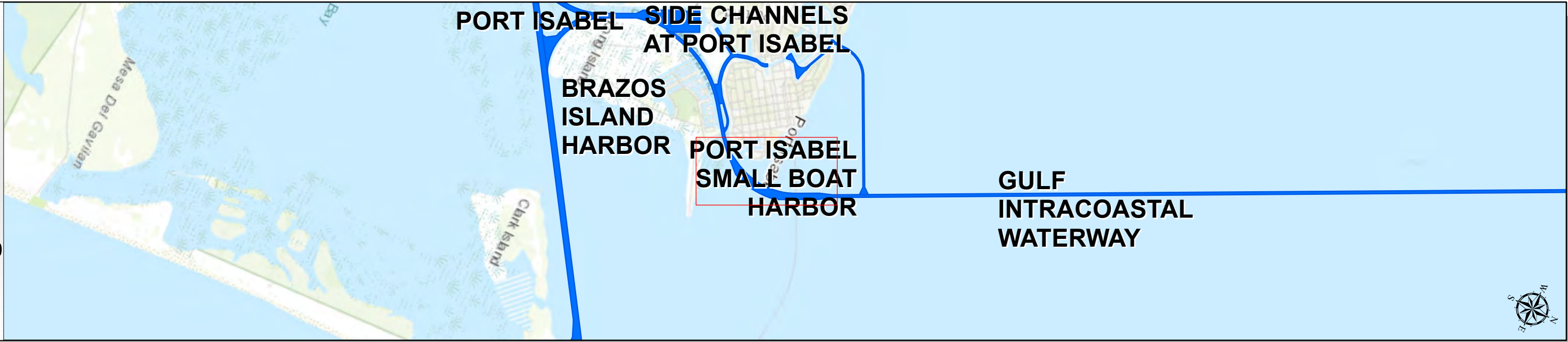
# Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville



U.S. Army Corps of Engineers  
Galveston District



Regional Extent



## Channel Features

- Channel Center Line
- Channel Toe
- Channel Station Lines
- 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 tide (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 47 CFR 111.01-01152.
  - 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.
  - 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, NOAA, EPA, USDA  
World Imagery: Maxar, Microsoft  
World Imagery: Maxar

## Additional Combined Survey Dates and Stationing:

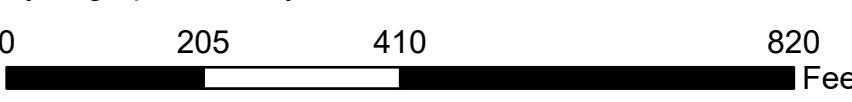
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20231207\_AD\_08\_1940P000\_1945P000; 20231207\_AD\_09\_1945P000\_1950P000

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

## Dredging Reach Extent



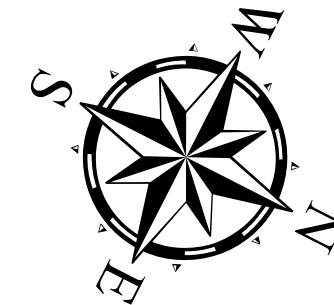
## Hydrographic Survey Extent



## HYDROGRAPHIC SURVEY

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

Station: 1878+700 to 1999+277  
GULF INTRACOASTAL WATERWAY  
Arroyo Colorado to Port Brownsville



Latest Survey Collection Date: 07 December 2023

Document Page: 22 of 23

Scale: 1"=2,400'

Mapped by: M3AOXPAC

Additional Imagery info:

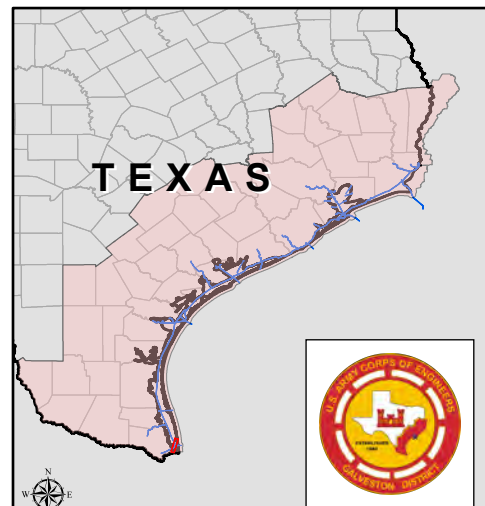
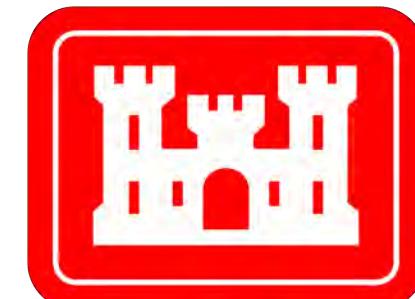
Authorized Depth: -13ft.

Side Slope Ratio: 1:3 (Rise : Run)

PDF Print Date: 12/13/2023

Website Index Number: 338

# Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville



**Channel Features**

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

**Aids to Navigation**

- Green Side Aids
- Red Side Aids
- Lights

**MLLW**

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

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.  
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 111.01-0112.  
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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METI/NASA, NOAA, EPA, USA, World Imagery: Maxar, Microsoft, World Imagery: Maxar

**Additional Combined Survey Dates and Stationing:**  
Combined survey dates 20230311\_CS; 20231115\_AD\_11\_1955P000\_1961P000; 20231120\_AD\_10\_1950P000\_1955P000; 20231204\_AD\_07\_1934P000\_1940P000; 20231207\_AD\_08\_1940P000\_1945P000; 20231207\_AD\_09\_1945P000\_1950P000

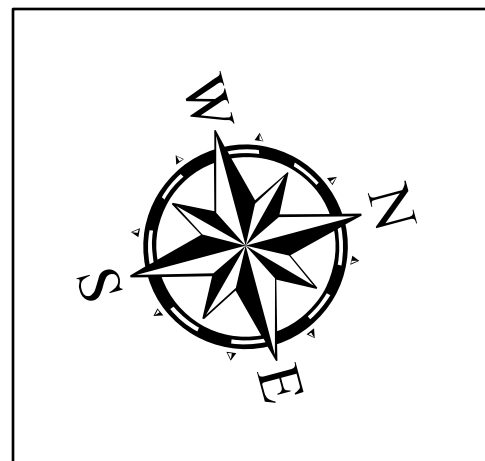
**Coordinate System:** NAD 1983 StatePlane Texas South FIPS 4205 Feet  
**Projection:** Lambert Conformal Conic

**Dredging Reach Extent**  
0 0.25 0.5 1 Miles

**Hydrographic Survey Extent**  
0 205 410 820 Feet

**Authorized Depth:** -13ft.  
**Side Slope Ratio:** 1:3 (Rise : Run)  
**PDF Print Date:** 12/13/2023

**Latest Survey Collection Date:** 07 December 2023  
**Document Page:** 23 of 23  
**Scale:** 1"=2,400'  
**Website Index Number:** 339  
**Mapped by:** M3AOXPAC  
**Additional Imagery info:**



**HYDROGRAPHIC SURVEY**  
U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
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**Station: 1878+700 to 1999+277**  
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Arroyo Colorado to Port Brownsville