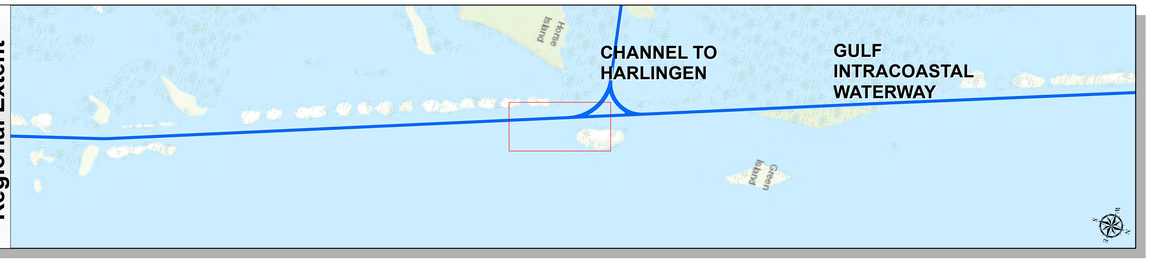
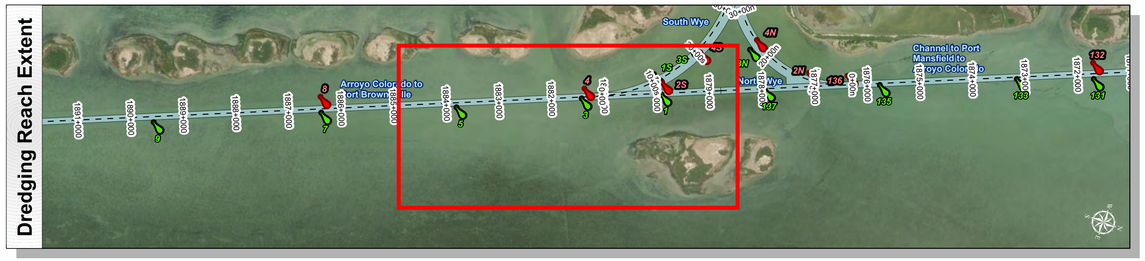
Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville

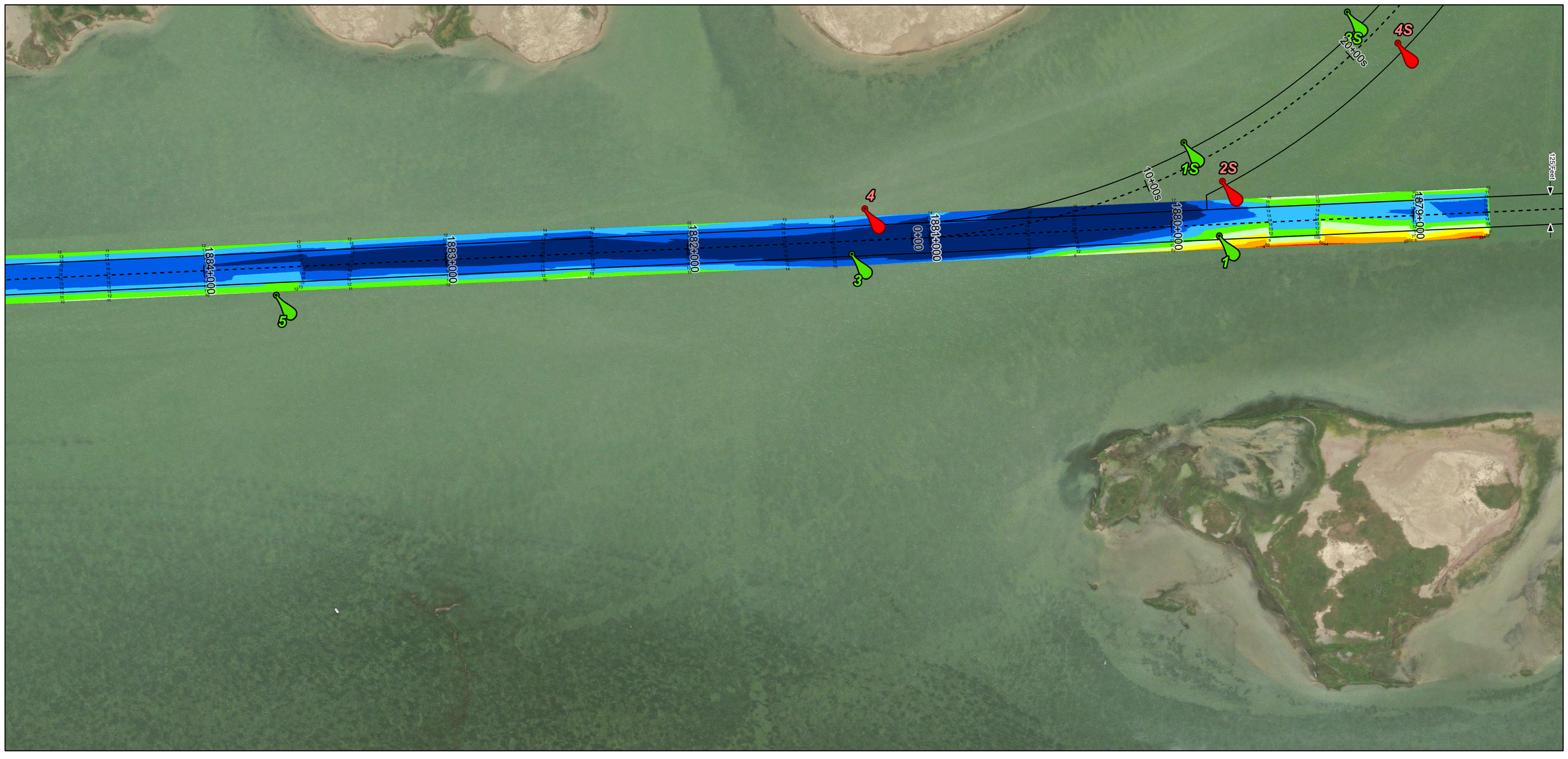
U.S. Army Corps of Engineers
Galveston District

Regional Extent



Dredging Reach Extent





Latest Survey Collection Date: 12 March 2024	Authorized Depth: -13ft.
Document Page: 1 of 23	Website Index Number: 317
Scale: 1:2,400	Side Slope Ratio: (Rise : Run)
Mapped by: M3AOXPAC	PDF Print Date: 3/13/2024
Additional Imagery info:	

Channel Features

- Channel Center Line
- Channel Toe
- 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

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 er1110-1-8152.
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5. For the most up to date information please check our website at: http://www.swg.usace.army.mil/Missions/Navigation/HydrographicSurveys/

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

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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

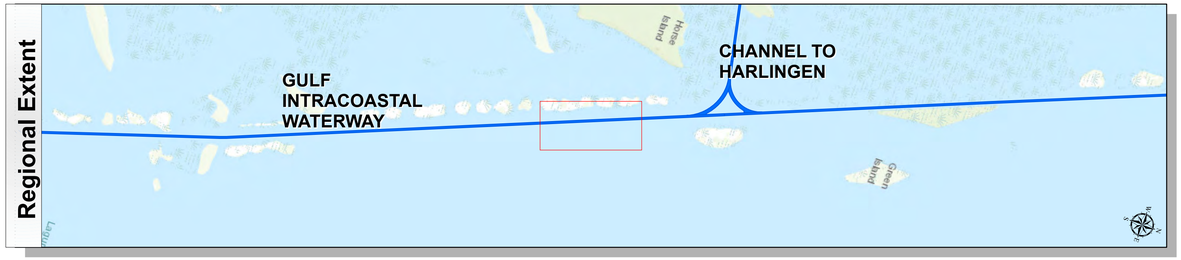
Dredging Reach Extent
0 0.25 0.5 1 Miles

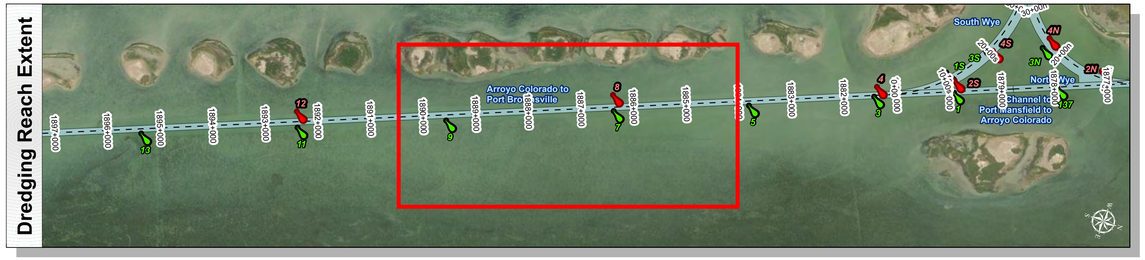
Hydrographic Survey Extent
0 205 410 820 Feet

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

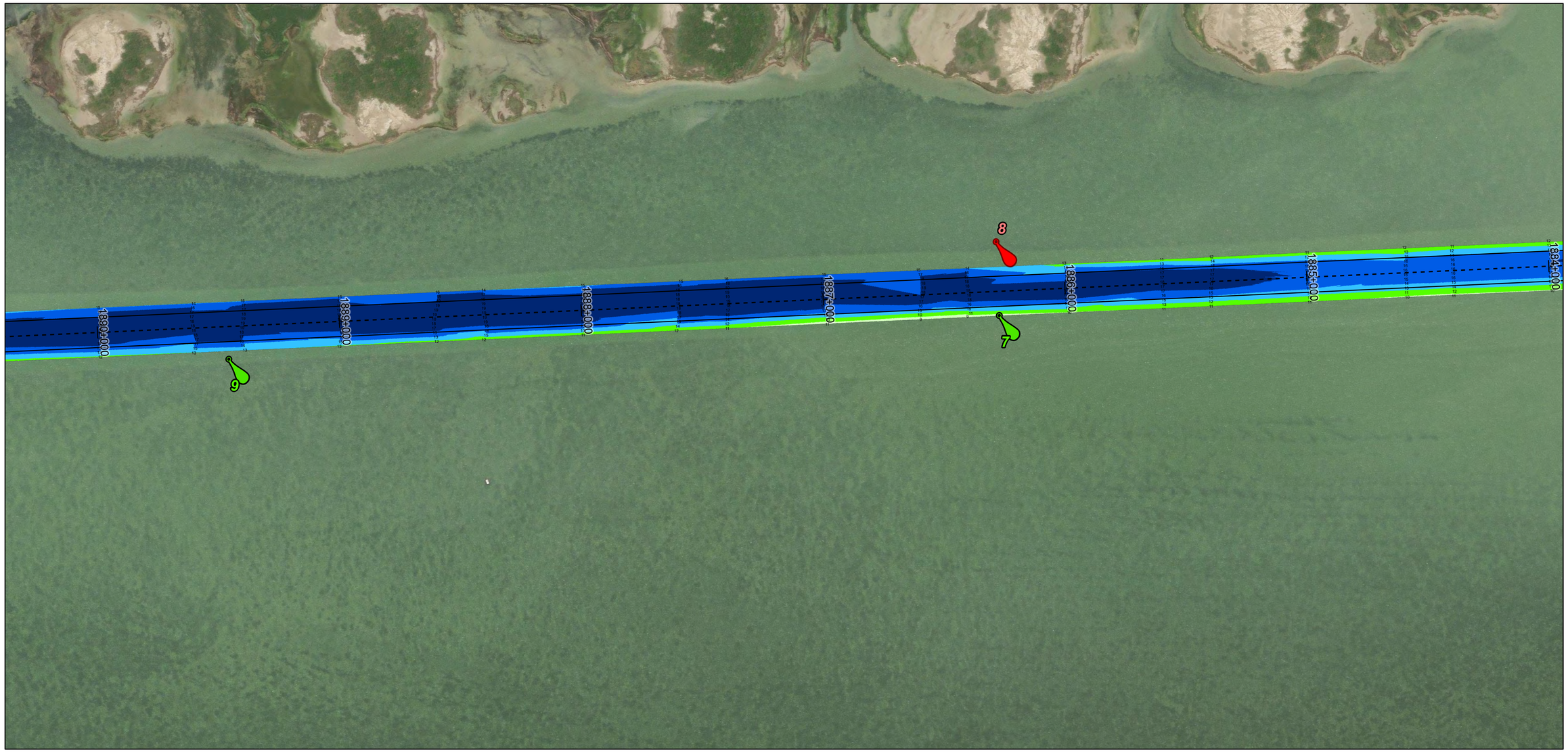
Station: 1878+700 to 1999+277
GULF INTRACOASTAL WATERWAY
Arroyo Colorado to Port Brownsville

Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville





U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date:	12 March 2024
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:	3/13/2024
Website Index Number:	318

Channel Features
- Channel Center Line
- Channel Toe
- 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

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, METI/NASA, NGA, EPA, USDA
World_Imagery: Maxar, Microsoft
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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

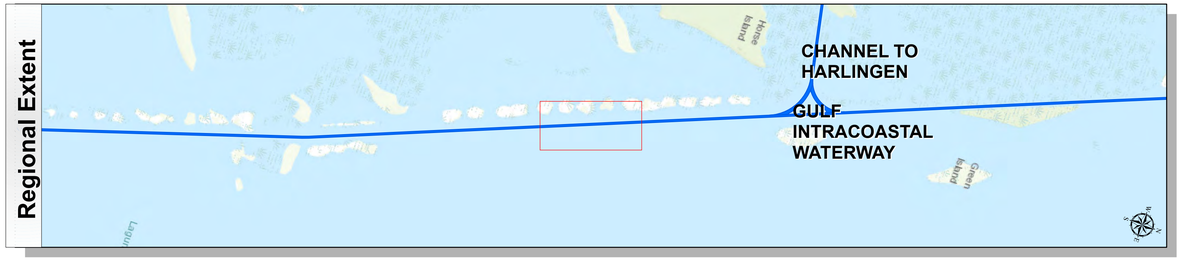
Dredging Reach Extent
0 0.25 0.5 1 Miles

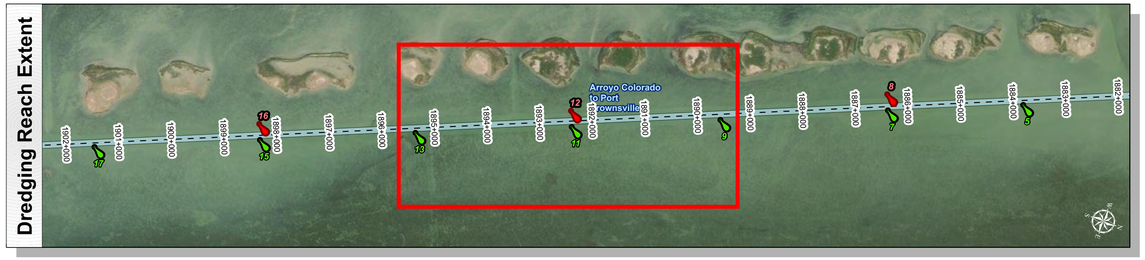
Hydrographic Survey Extent
0 205 410 820 Feet

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

Latest Survey Collection Date:	12 March 2024
Authorized Depth: -13ft.	
Document Page: 3 of 23	Website Index Number: 319
Side Slope Ratio: (Rise : Run)	
Scale: 1:2,400	PDF Print Date: 3/13/2024
Mapped by: M3AOXPAC	
Additional Imagery info:	

Channel Features
- Channel Center Line
- Channel Toe
- 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

NOTES:
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World_Imagery: Maxar, Microsoft
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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

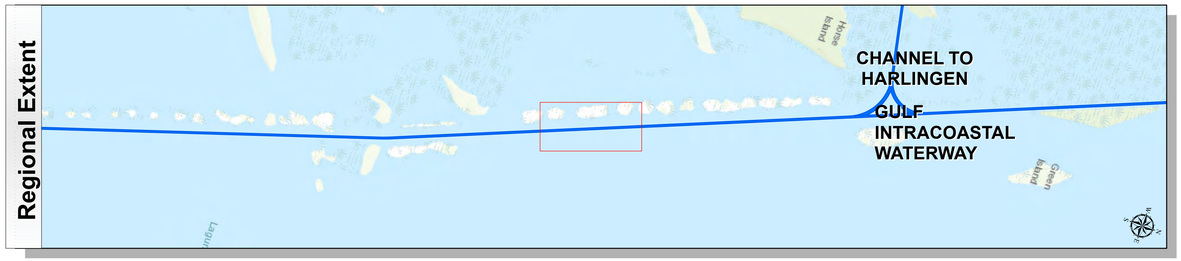
Dredging Reach Extent
0 0.25 0.5 1 Miles

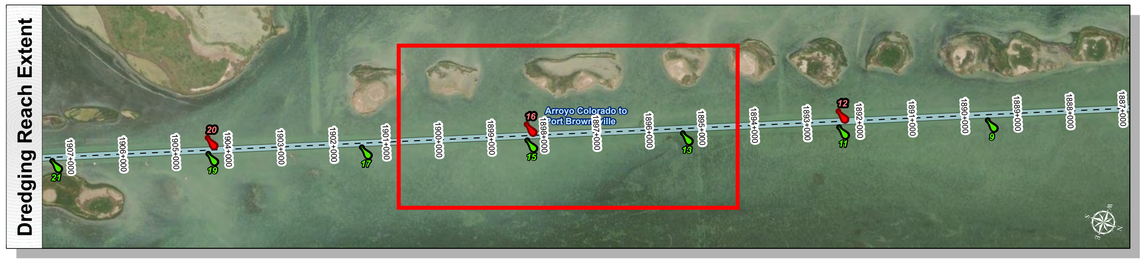
Hydrographic Survey Extent
0 205 410 820 Feet

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

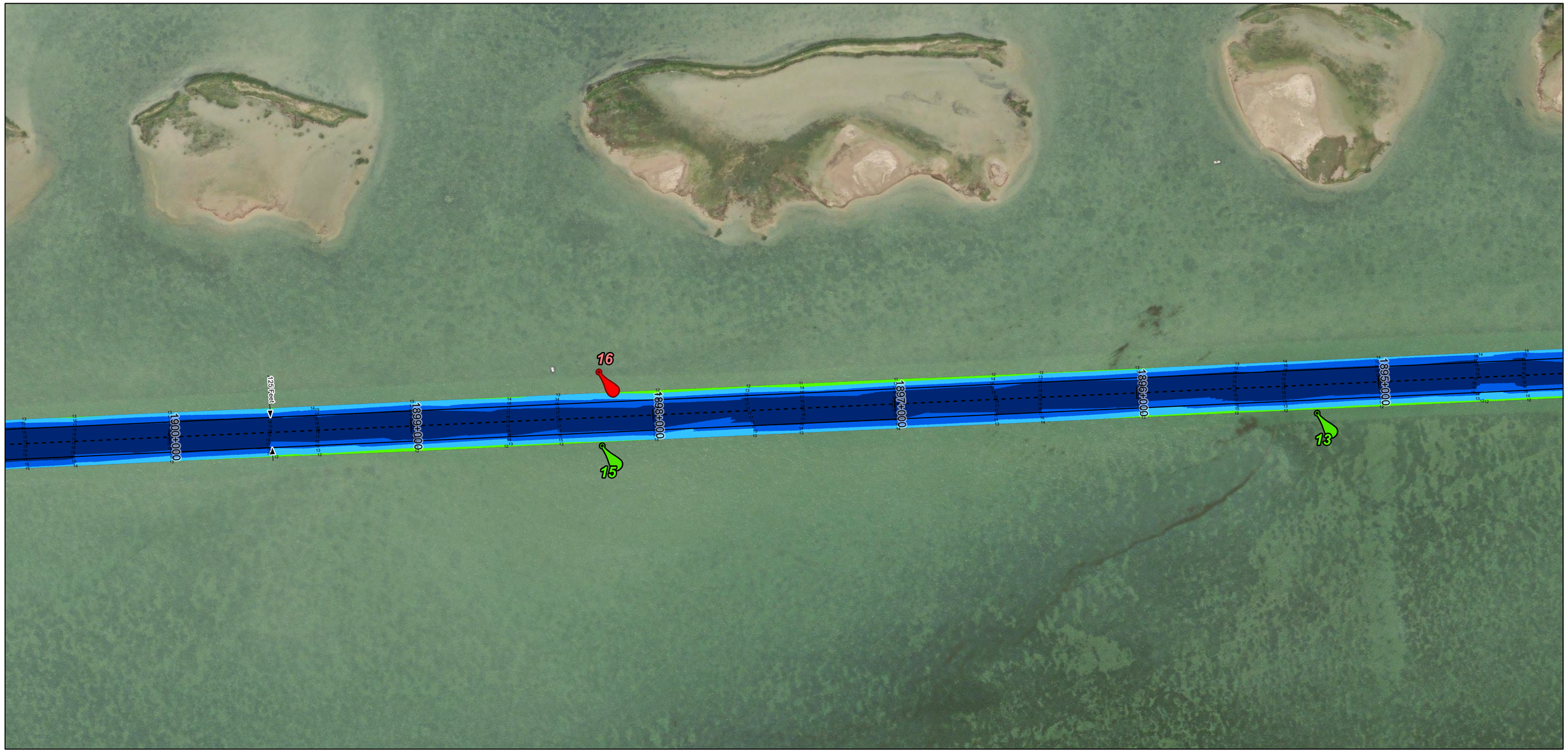
Station: 1878+700 to 1999+277
GULF INTRACOASTAL WATERWAY
Arroyo Colorado to Port Brownsville

Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville





U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 12 March 2024
Document Page: 4 of 23
Scale: 1:2,400
Mapped by: M3AOXPAC
Additional Imagery info:
Website Index Number: 320
Authorized Depth: -13ft.
Side Slope Ratio: (Rise : Run)
PDF Print Date: 3/13/2024

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

Channel Features
- Channel Center Line
- Channel Toe
- 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

NOTES:
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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

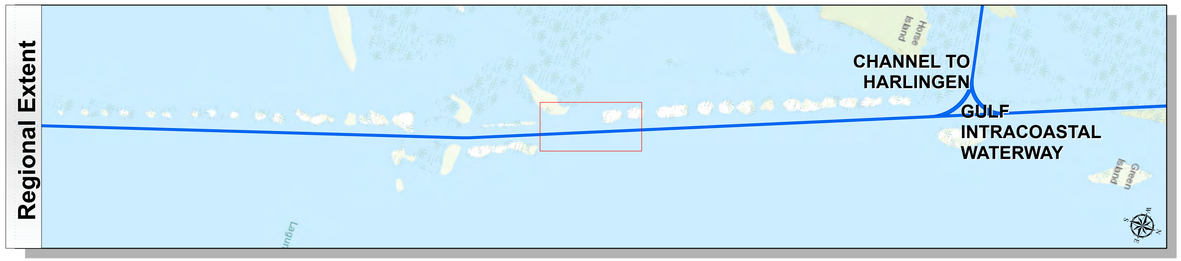
Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

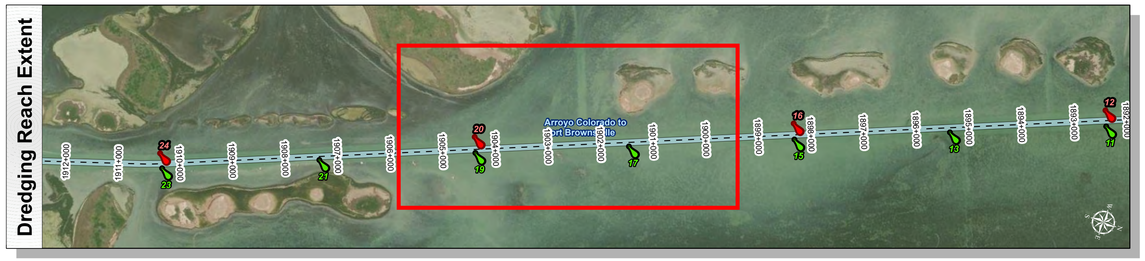
Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent
0 0.25 0.5 1 Miles

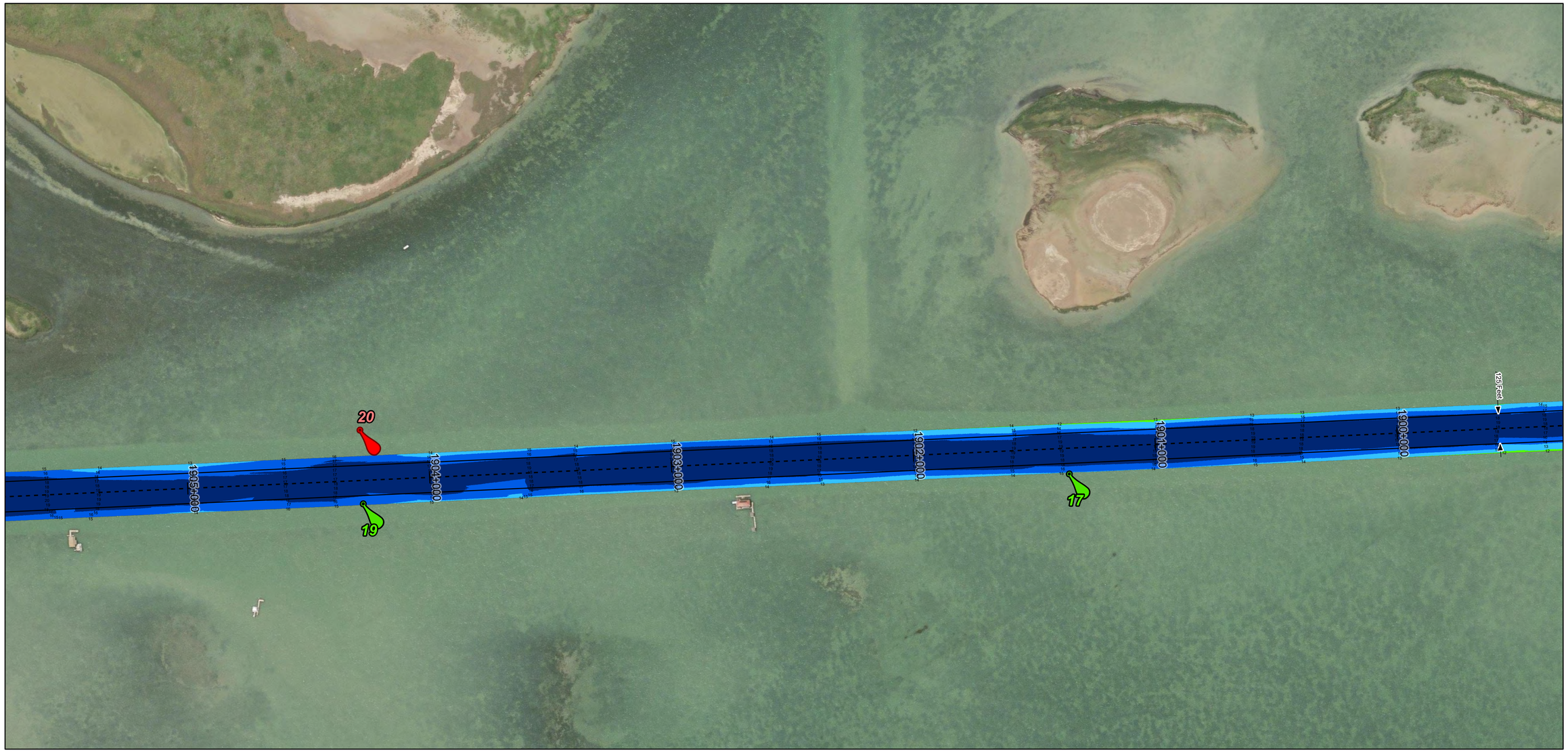
Hydrographic Survey Extent
0 205 410 820 Feet

Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville





U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date:	12 March 2024
Document Page: 5 of 23	Website Index Number: 321
Scale: 1:2,400	
Mapped by: M3AOXPAC	
Additional Imagery info:	
Authorized Depth: - 13ft.	
Side Slope Ratio: (Rise : Run)	
PDF Print Date: 3/13/2024	

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

Channel Features
- Channel Center Line
- Channel Toe
- 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

NOTES:
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World_Imagery: Maxar, Microsoft
World_Imagery: Maxar

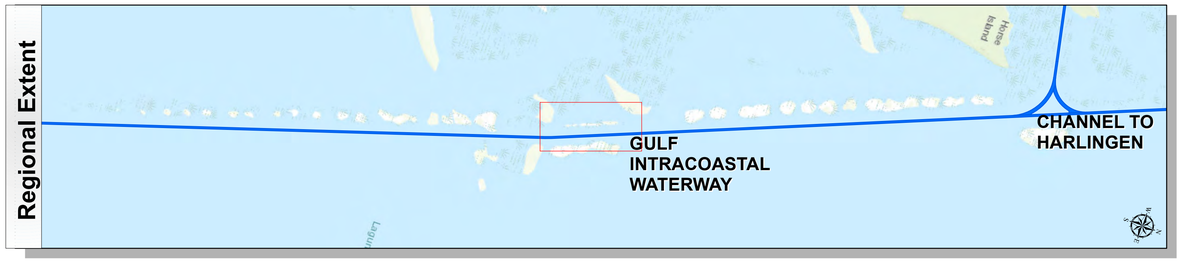
Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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

Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville



U.S. Army Corps of Engineers
Galveston District

Latest Survey Collection Date:	12 March 2024
Document Page:	6 of 23
Website Index Number:	322
Scale:	1:2,400
Mapped by:	M3AOXPAC
Additional Imagery info:	
Authorized Depth:	- 13ft.
Side Slope Ratio:	(Rise : Run)
PDF Print Date:	3/13/2024

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

Channel Features
- Channel Center Line
- Channel Toe
- 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

NOTES:
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World_Imagery: Maxar, Microsoft
World_Imagery: Maxar

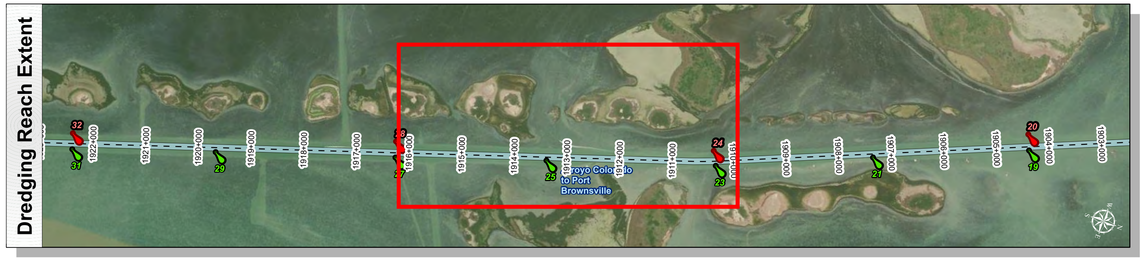
Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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

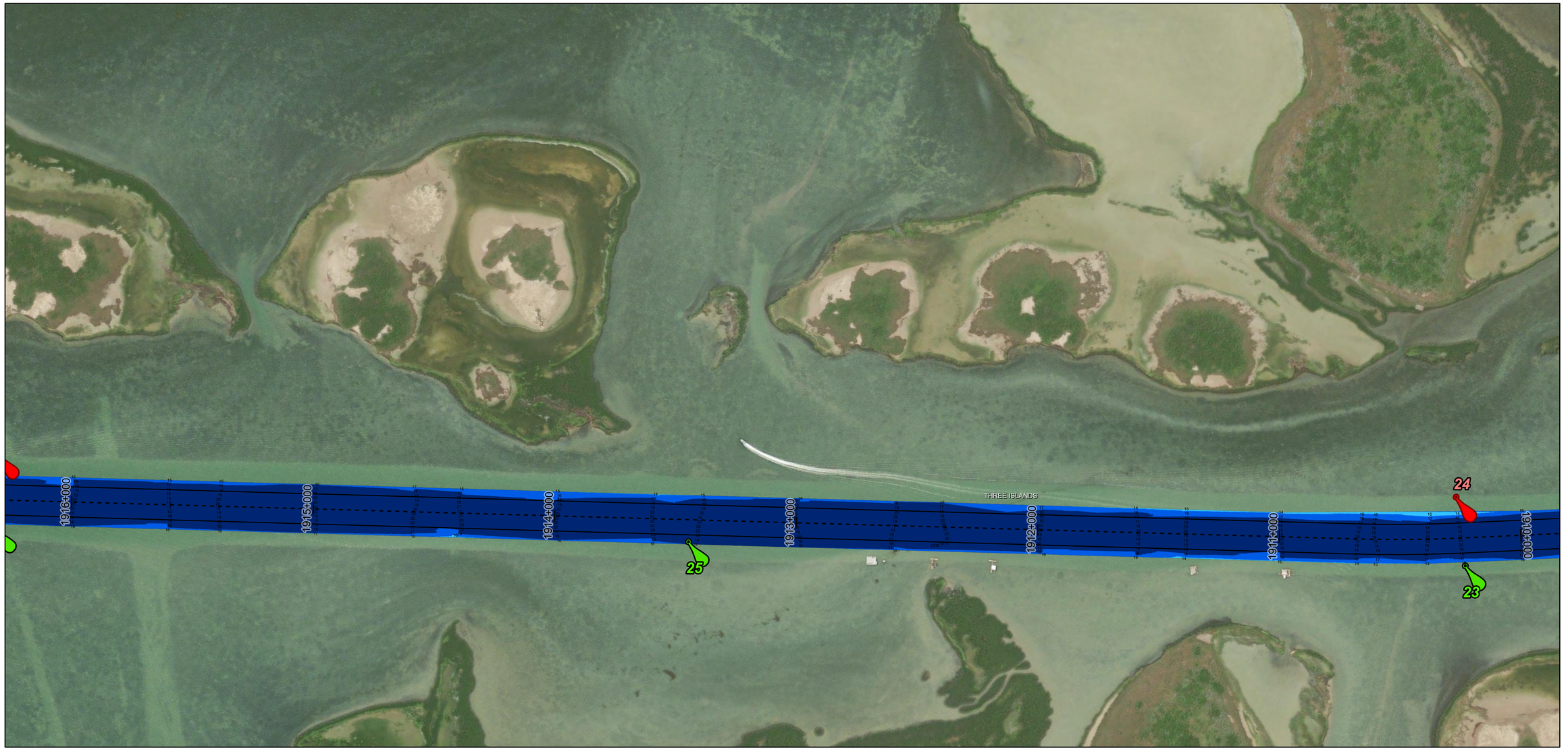
Dredging Reach Extent
0 0.25 0.5 1 Miles

Hydrographic Survey Extent
0 205 410 820 Feet

Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date:	12 March 2024
Document Page:	7 of 23
Scale:	1:2,400
Mapped by:	M3AOXPAC
Additional Imagery info:	
Authorized Depth:	-13ft.
Side Slope Ratio:	(Rise : Run)
Website Index Number:	323
PDF Print Date:	3/13/2024

Channel Features
- Channel Center Line
- Channel Toe
- 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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World_Imagery: Maxar, Microsoft
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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

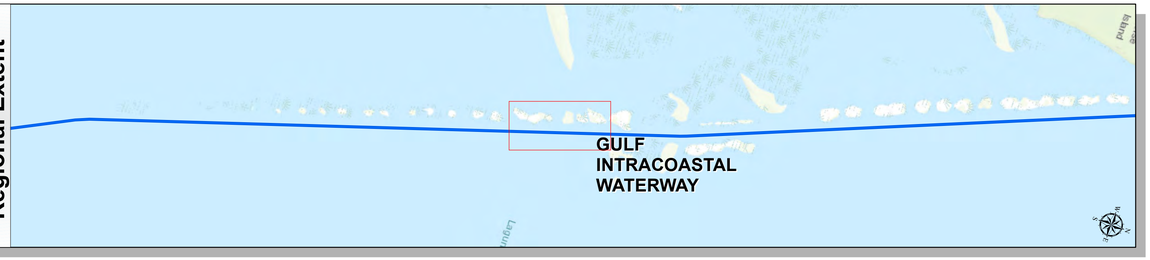
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

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

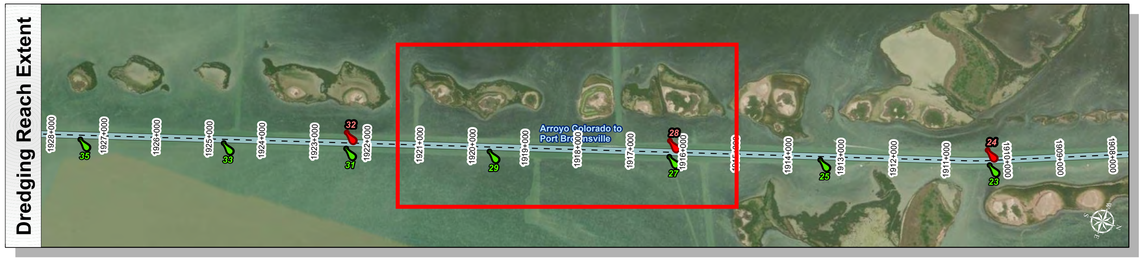
Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville

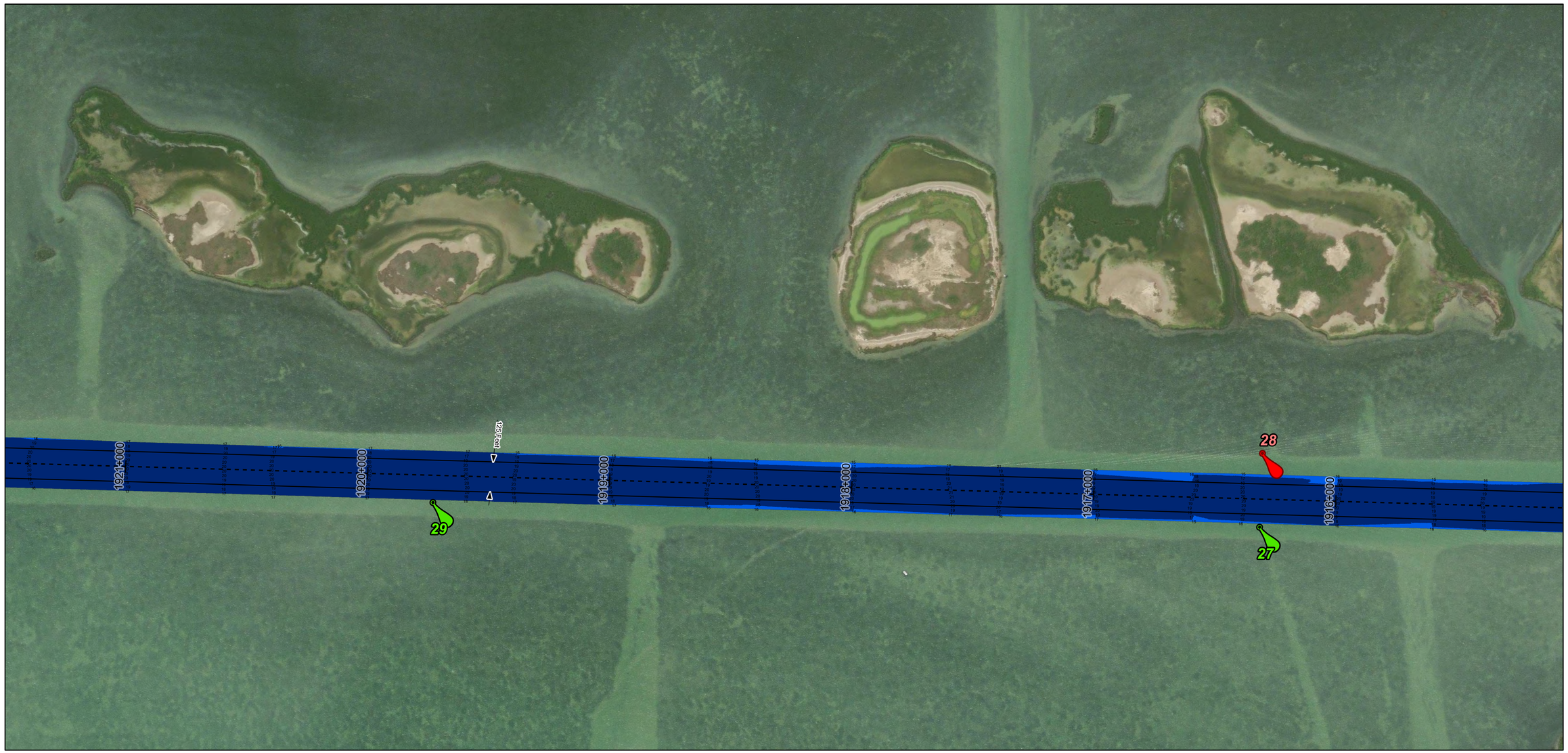
U.S. Army Corps of Engineers
Galveston District

Regional Extent



Dredging Reach Extent





Latest Survey Collection Date: 12 March 2024	Authorized Depth: -13ft.
Document Page: 8 of 23	Website Index Number: 324
Scale: 1:2,400	Side Slope Ratio: (Rise : Run)
Mapped by: M3AOXPAC	PDF Print Date: 3/13/2024
Additional Imagery info:	

Channel Features

- Channel Center Line
- Channel Toe
- 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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World_Imagery: Maxar, Microsoft
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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

Dredging Reach Extent
0 0.25 0.5 1 Miles

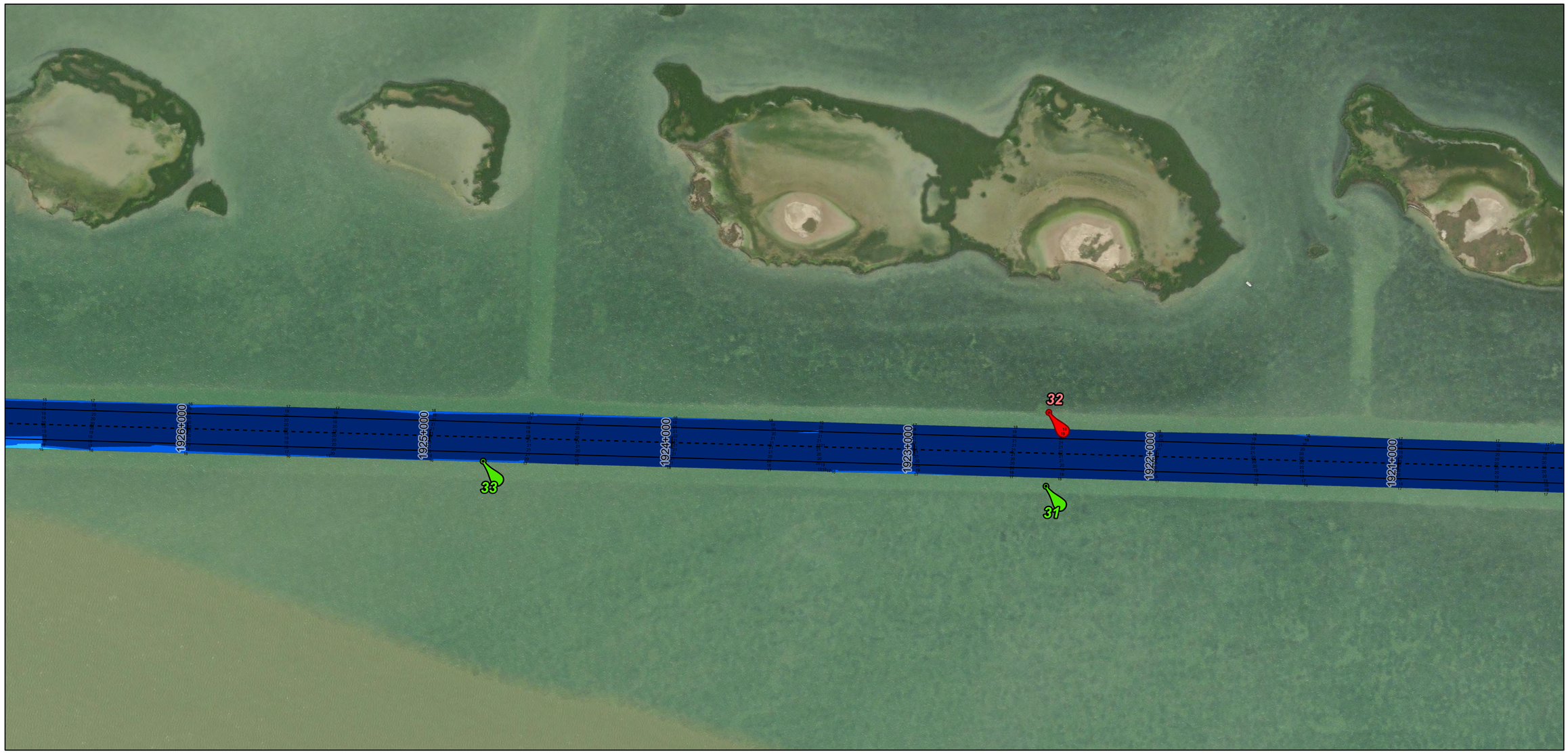
Hydrographic Survey Extent
0 205 410 820 Feet

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



Latest Survey Collection Date:	12 March 2024
Authorized Depth:	-13ft.
Document Page:	9 of 23
Website Index Number:	325
Scale:	1:2,400
Side Slope Ratio:	(Rise : Run)
PDF Print Date:	3/13/2024
Mapped by:	M3AOXPAC
Additional Imagery info:	

Channel Features
- Channel Center Line
- Channel Toe
- 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

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.
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5. For the most up to date information please check our website at: http://www.swg.usace.army.mil/Missions/Navigation/HydrographicSurveys/

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

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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

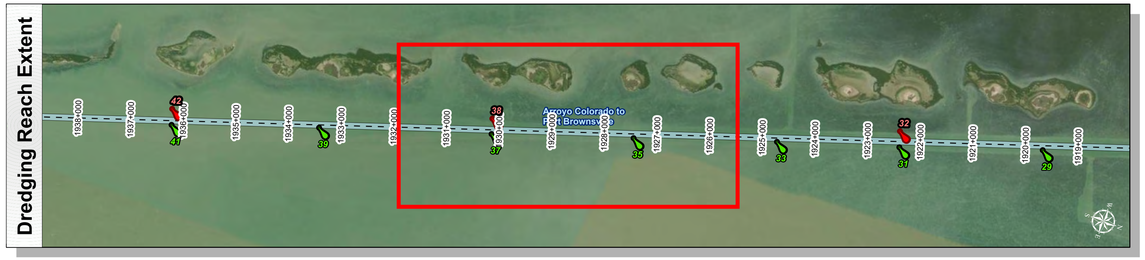
Dredging Reach Extent
0 0.25 0.5 1 Miles

Hydrographic Survey Extent
0 205 410 820 Feet

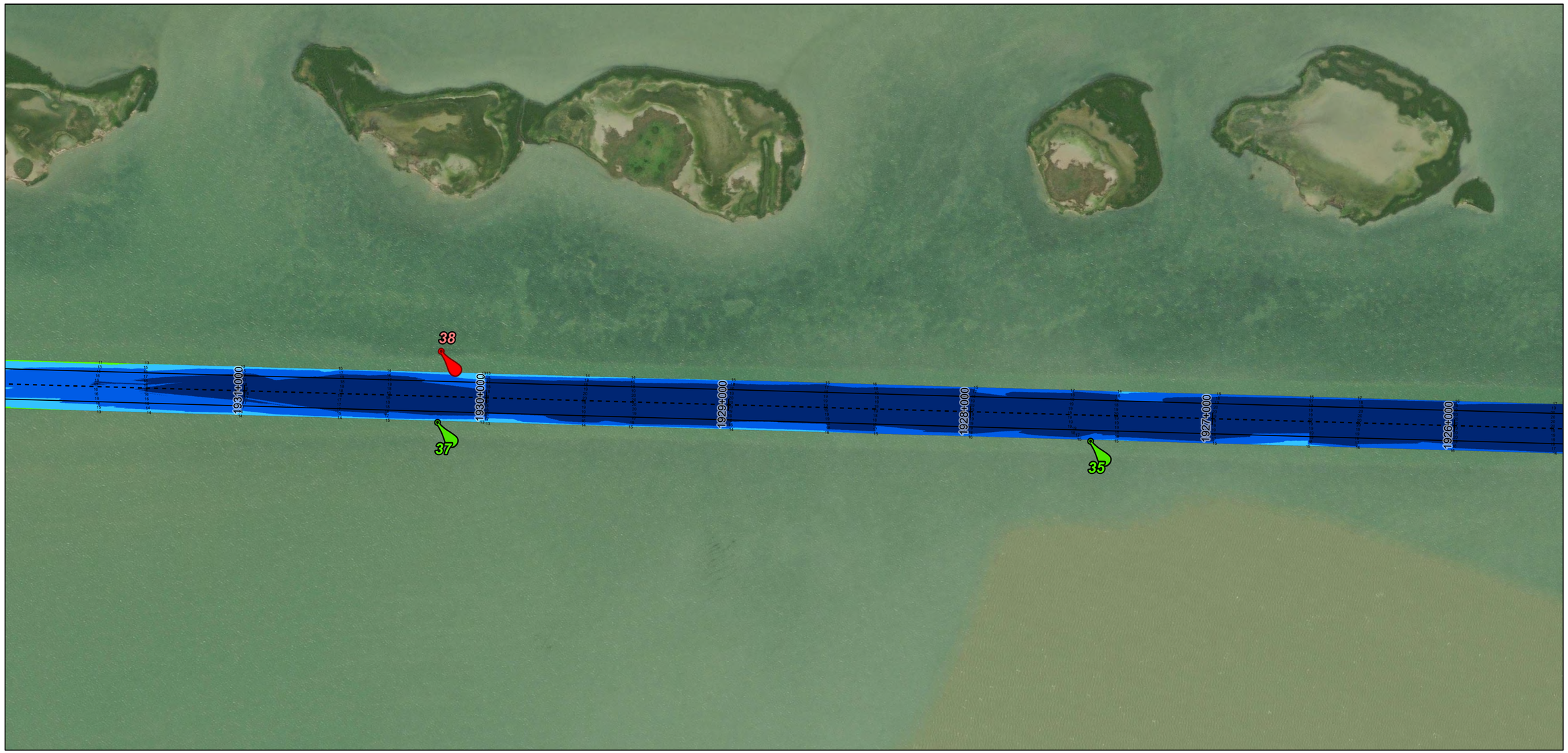
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

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



Latest Survey Collection Date:	12 March 2024
Document Page:	10 of 23
Scale:	1:2,400
Mapped by:	M3AOXPAC
Additional Imagery info:	
Website Index Number:	326
Authorized Depth:	-13ft.
Side Slope Ratio:	(Rise : Run)
PDF Print Date:	3/13/2024

Channel Features

- Channel Center Line
- Channel Toe
- 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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World_Imagery: Maxar, Microsoft
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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

Dredging Reach Extent
0 0.25 0.5 1 Miles

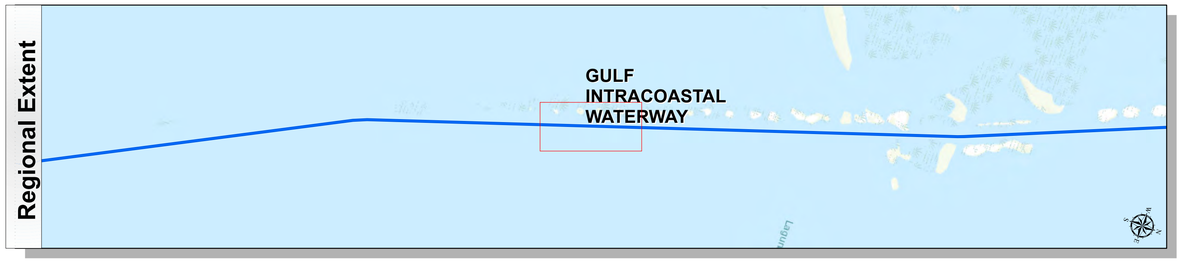
Hydrographic Survey Extent
0 205 410 820 Feet

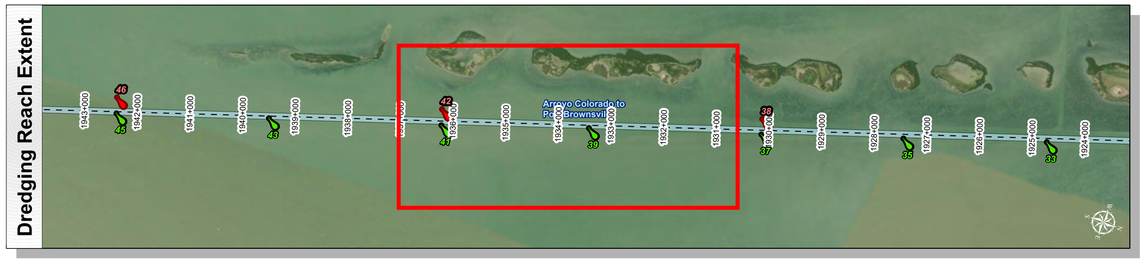
HYDROGRAPHIC SURVEY

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

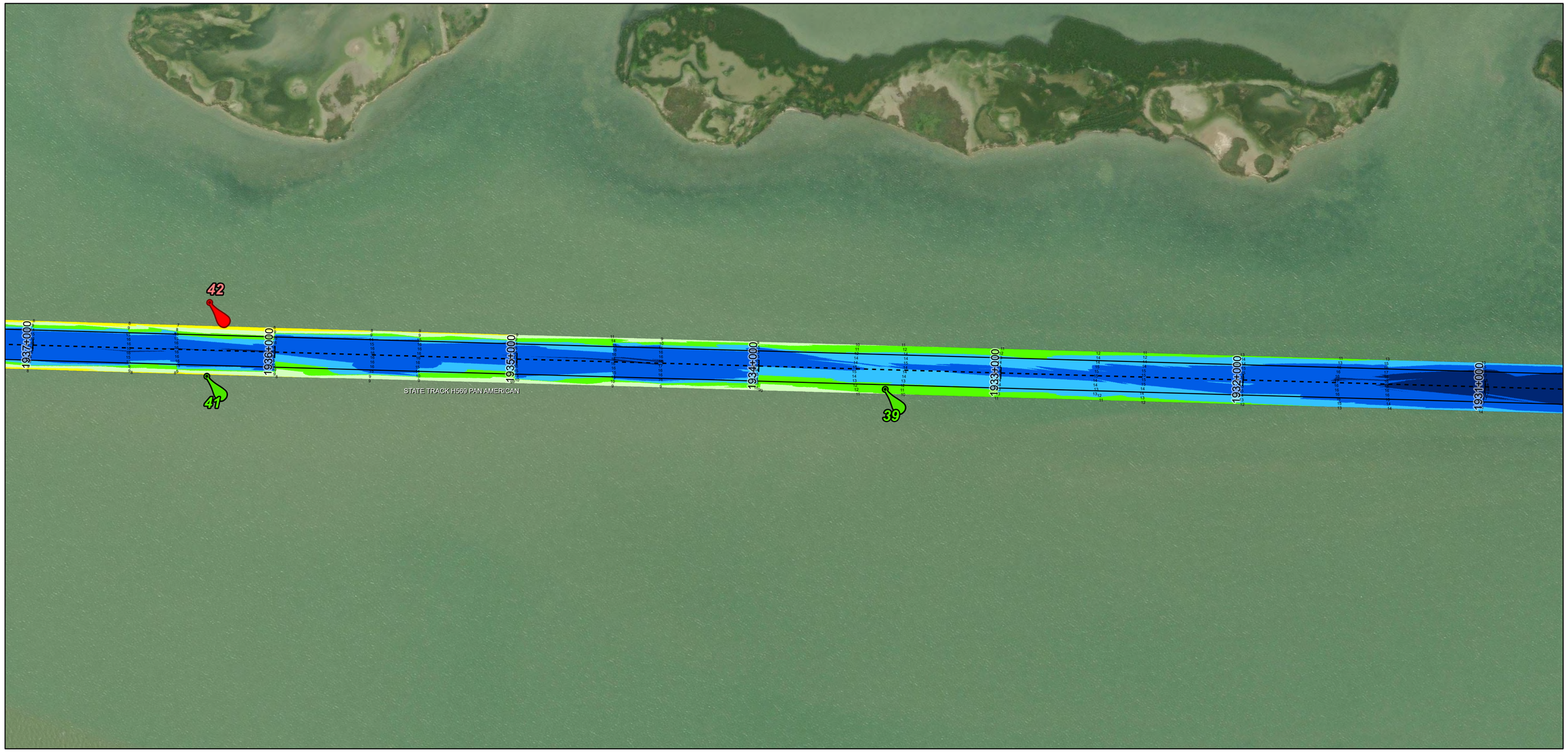
Station: 1878+700 to 1999+277
GULF INTRACOASTAL WATERWAY
Arroyo Colorado to Port Brownsville

Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville





U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 12 March 2024
Document Page: 11 of 23
Scale: 1:2,400
Authorized Depth: -13ft.
Side Slope Ratio: (Rise : Run)
Website Index Number: 327
PDF Print Date: 3/13/2024
Mapped by: M3AOXPAC
Additional Imagery info:

Channel Features
- Channel Center Line
- Channel Toe
- 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

NOTES:
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World_Imagery: Maxar, Microsoft
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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

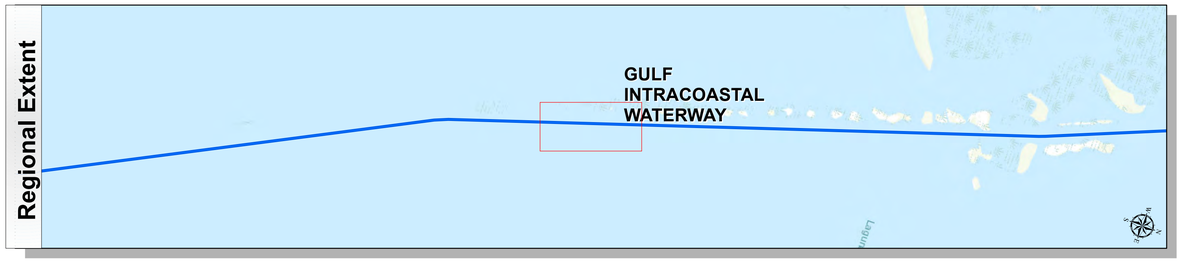
Dredging Reach Extent
0 0.25 0.5 1 Miles

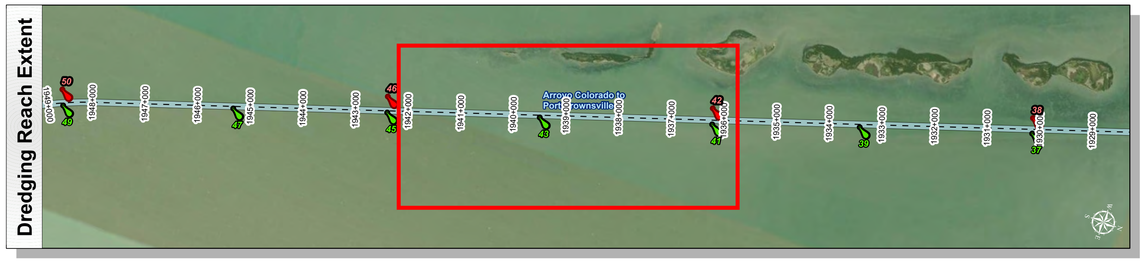
Hydrographic Survey Extent
0 205 410 820 Feet

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

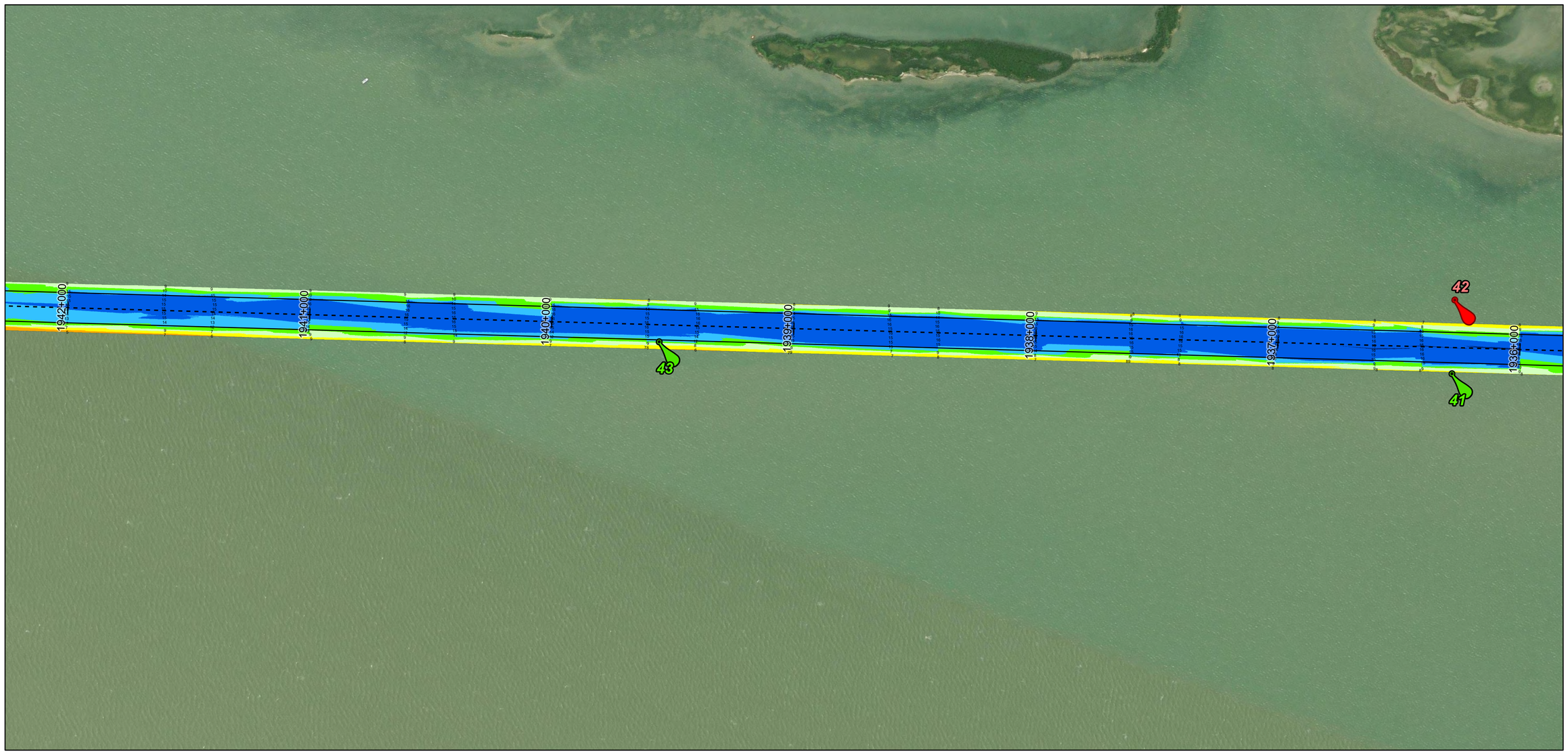
Station: 1878+700 to 1999+277
GULF INTRACOASTAL WATERWAY
Arroyo Colorado to Port Brownsville

Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville





U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date:	12 March 2024
Authorized Depth:	-13ft.
Document Page:	12 of 23
Website Index Number:	328
Scale:	1:2,400
Side Slope Ratio:	(Rise : Run)
PDF Print Date:	3/13/2024
Mapped by:	M3AOXPAC
Additional Imagery info:	

Channel Features
- Channel Center Line
- Channel Toe
- 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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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:
COMB_SURV_INFO_HERE

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

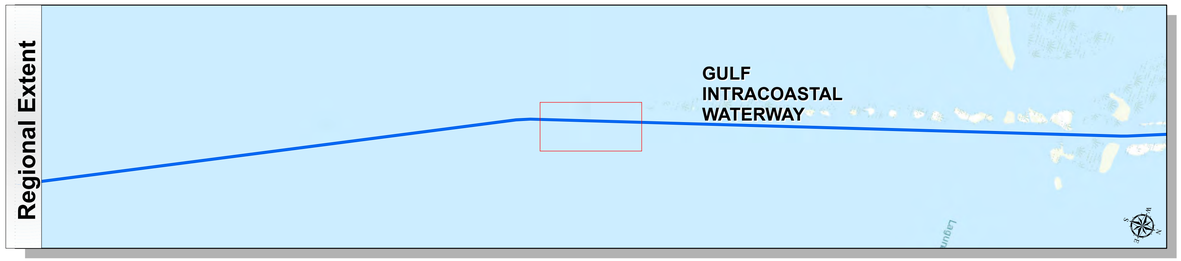
Dredging Reach Extent
0 0.25 0.5 1 Miles

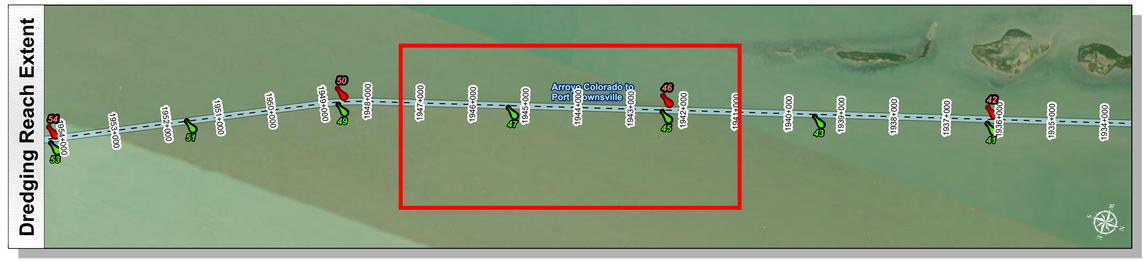
Hydrographic Survey Extent
0 205 410 820 Feet

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

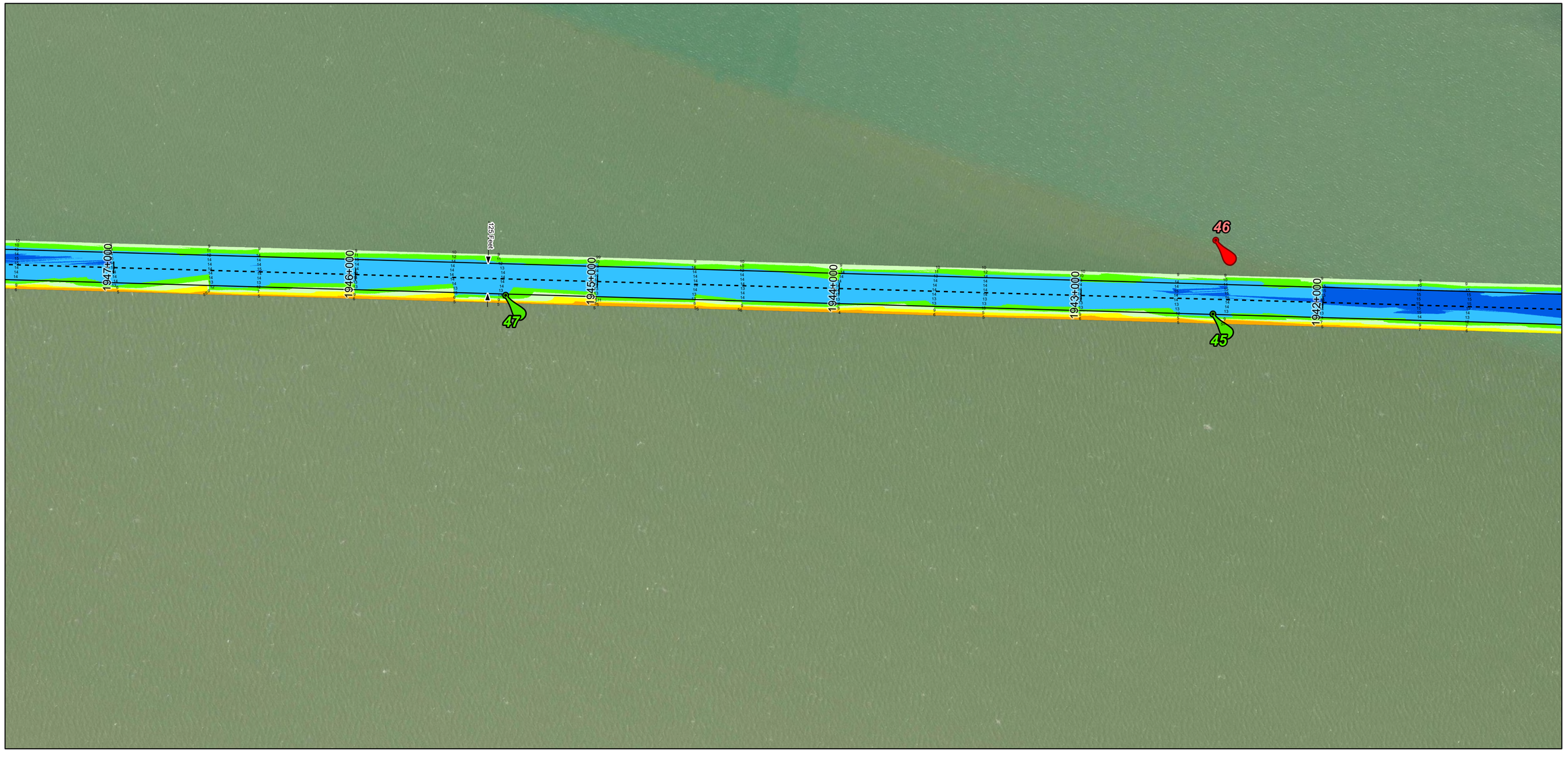
Station: 1878+700 to 1999+277
GULF INTRACOASTAL WATERWAY
Arroyo Colorado to Port Brownsville

Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville





U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date:	12 March 2024
Document Page:	13 of 23
Scale:	1:2,400
Mapped by:	M3AOXPAC
Additional Imagery info:	
Authorized Depth:	-13ft.
Side Slope Ratio:	(Rise : Run)
Website Index Number:	329
PDF Print Date:	3/13/2024

Channel Features
- Channel Center Line
- Channel Toe
- 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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World_Imagery: Maxar, Microsoft
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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

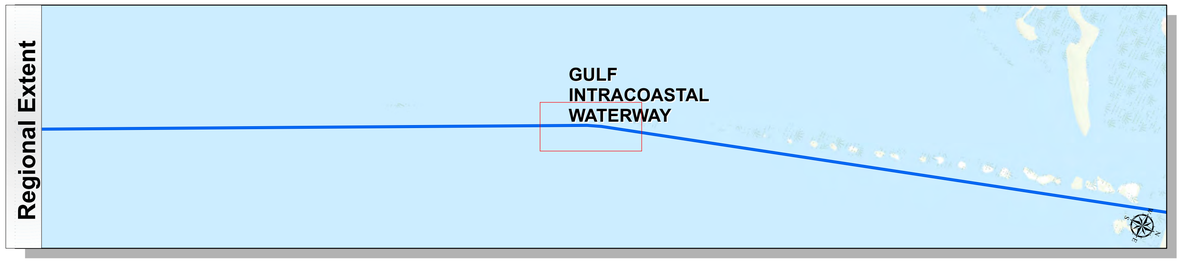
Dredging Reach Extent
0 0.25 0.5 1 Miles

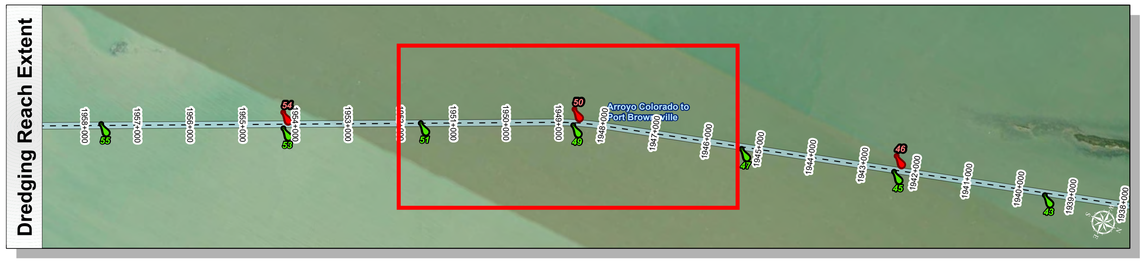
Hydrographic Survey Extent
0 205 410 820 Feet

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

Latest Survey Collection Date:	12 March 2024
Document Page:	14 of 23
Scale:	1:2,400
Mapped by:	M3AOXPAC
Additional Imagery info:	
Authorized Depth:	-13ft.
Side Slope Ratio:	(Rise : Run)
Website Index Number:	330
PDF Print Date:	3/13/2024

Channel Features
- Channel Center Line
- Channel Toe
- 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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World_Imagery: Maxar, Microsoft
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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

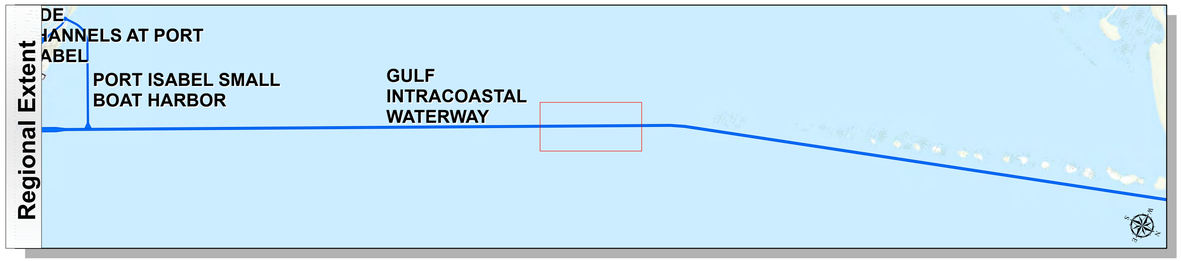
Dredging Reach Extent
0 0.25 0.5 1 Miles

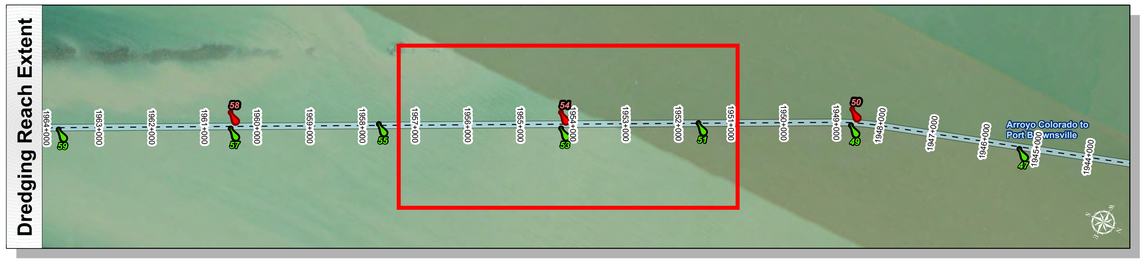
Hydrographic Survey Extent
0 205 410 820 Feet

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

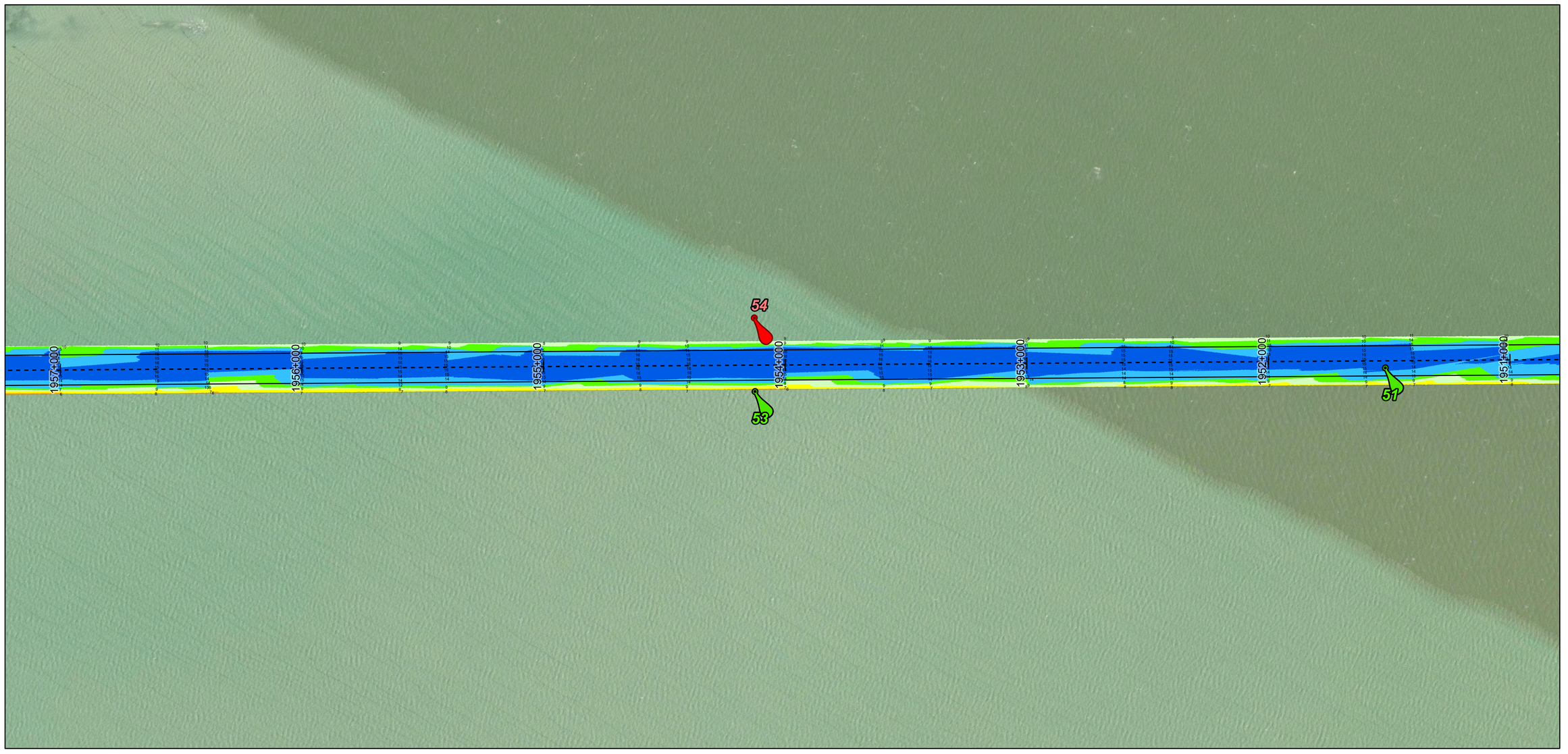
Station: 1878+700 to 1999+277
GULF INTRACOASTAL WATERWAY
Arroyo Colorado to Port Brownsville

Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville





U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 12 March 2024
Document Page: 15 of 23
Scale: 1:2,400
Mapped by: M3AOXPAC
Additional Imagery info:

Authorized Depth: - 13ft.
Side Slope Ratio: (Rise : Run)
Website Index Number: 331
PDF Print Date: 3/13/2024

Channel Features
- Channel Center Line
- Channel Toe
- 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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World_Imagery: Maxar, Microsoft
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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

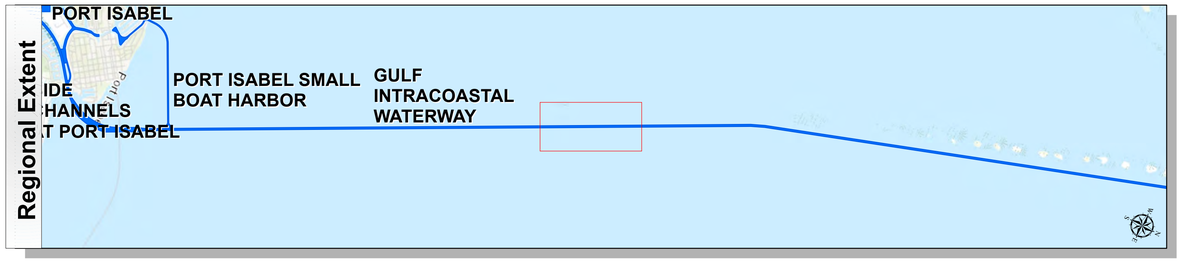
Dredging Reach Extent
0 0.25 0.5 1 Miles

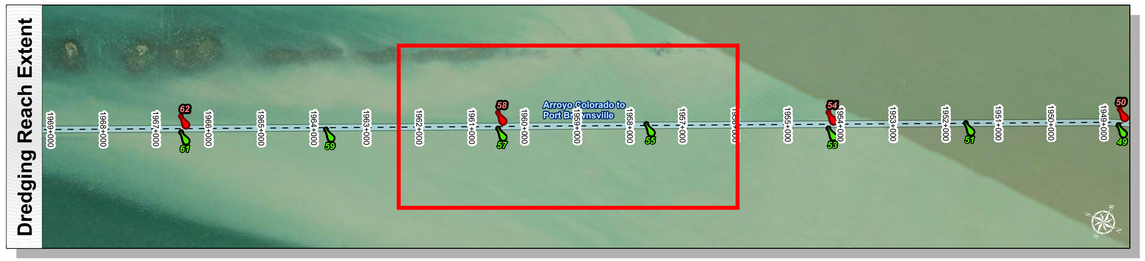
Hydrographic Survey Extent
0 205 410 820 Feet

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

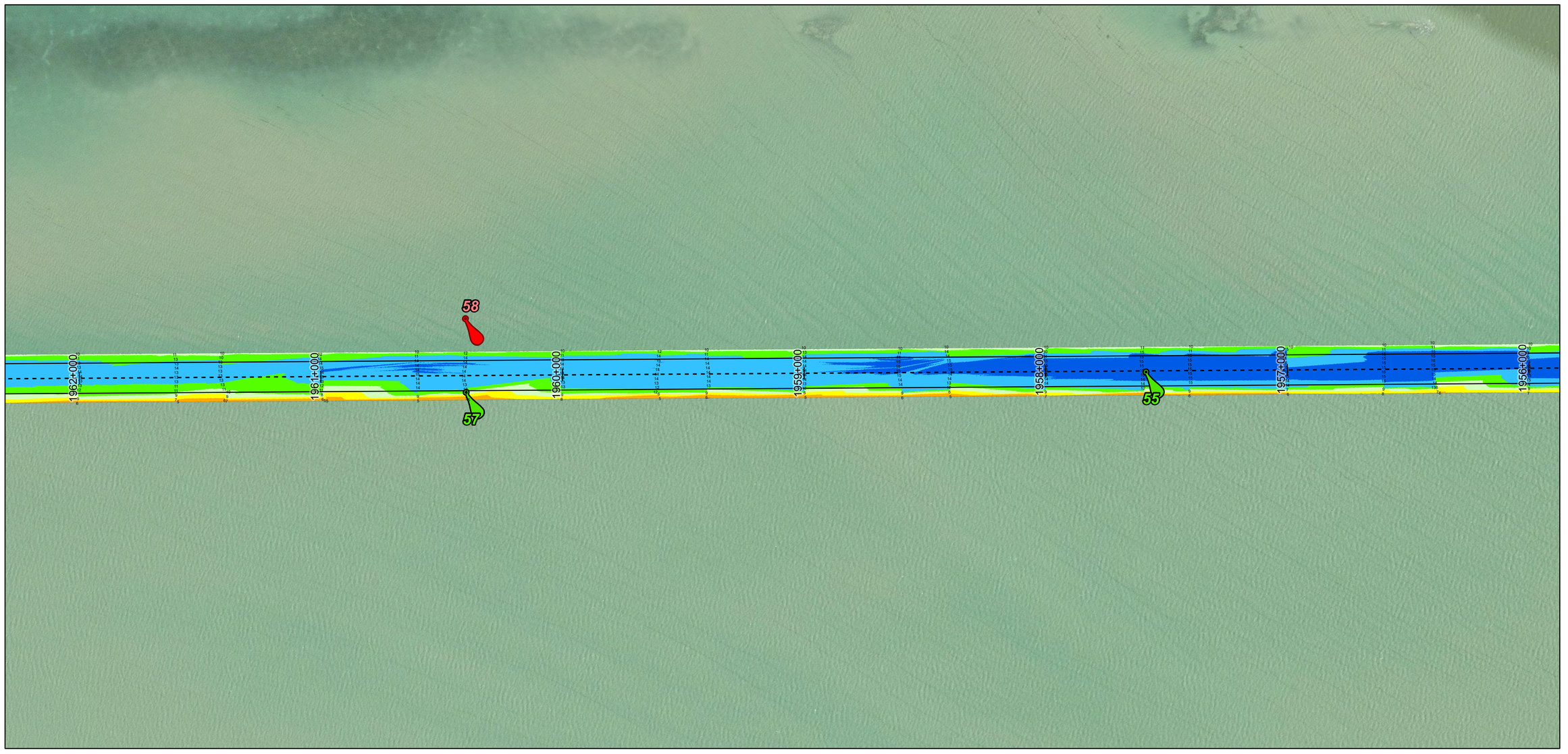
Station: 1878+700 to 1999+277
GULF INTRACOASTAL WATERWAY
Arroyo Colorado to Port Brownsville

Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville





U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date:	12 March 2024
Authorized Depth: -13ft.	
Document Page: 16 of 23	Website Index Number: 332
Side Slope Ratio: (Rise : Run)	
Scale: 1:2,400	PDF Print Date: 3/13/2024
Mapped by: M3AOXPAC	
Additional Imagery info:	

Channel Features

- Channel Center Line
- Channel Toe
- 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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COMB_SURV_INFO_HERE

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

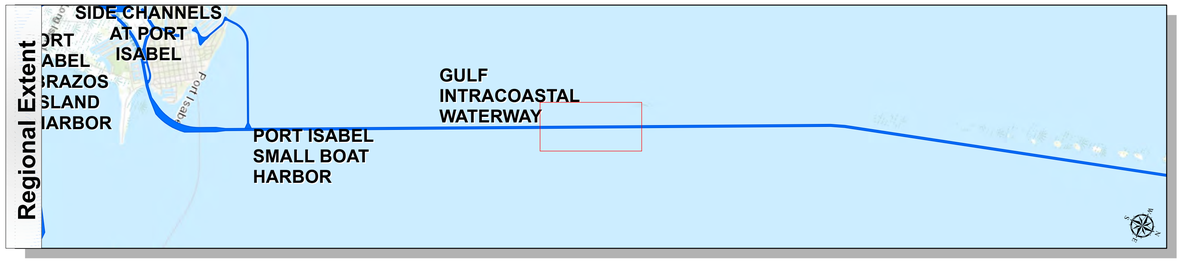
Dredging Reach Extent
0 0.25 0.5 1 Miles

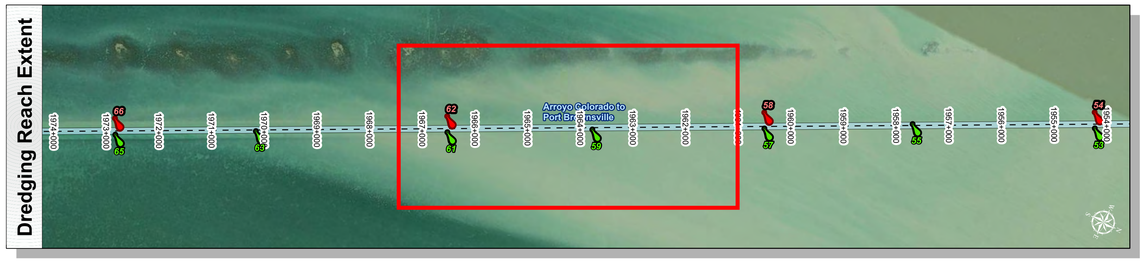
Hydrographic Survey Extent
0 205 410 820 Feet

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

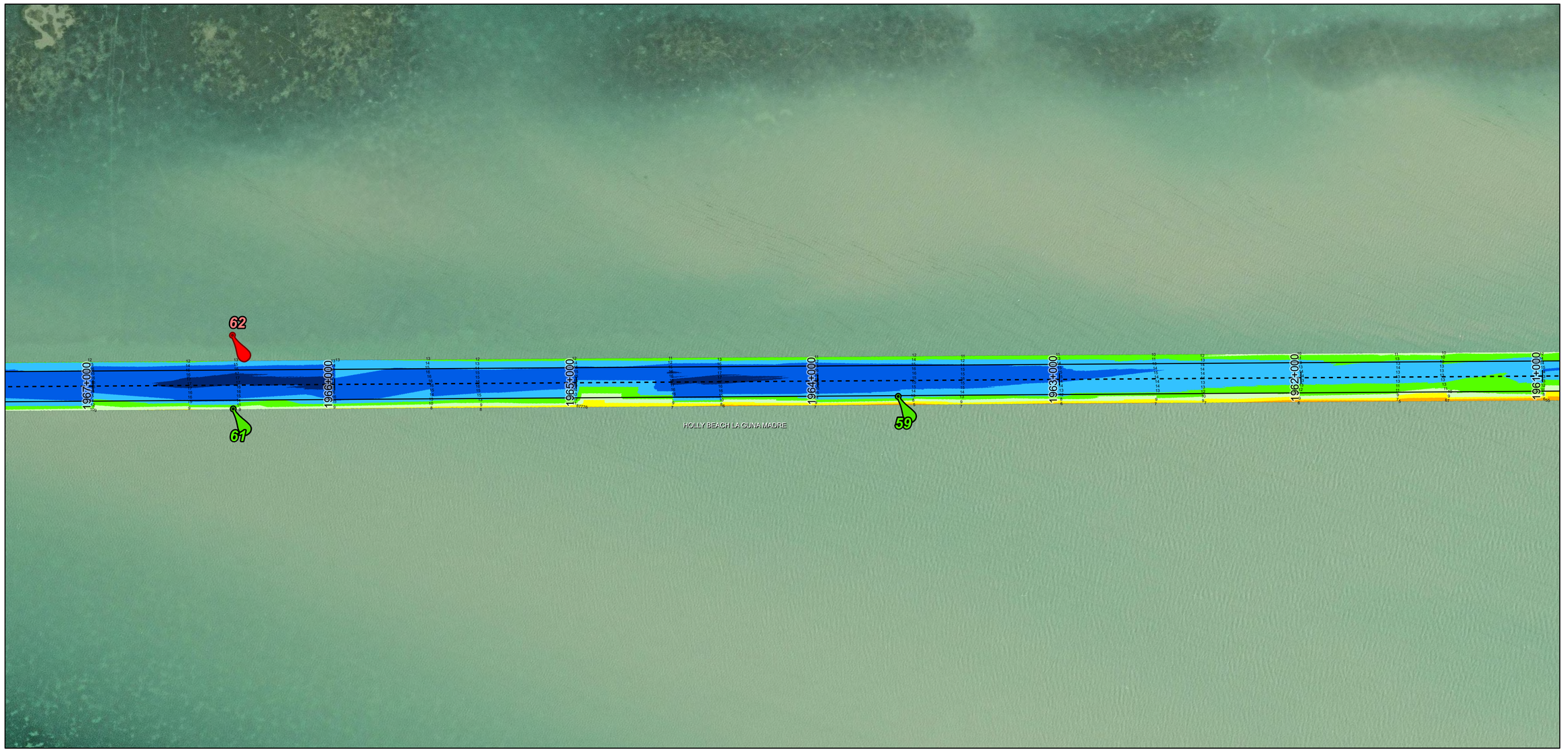
Station: 1878+700 to 1999+277
GULF INTRACOASTAL WATERWAY
Arroyo Colorado to Port Brownsville

Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville



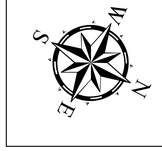


U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 12 March 2024
Document Page: 17 of 23
Scale: 1:2,400
Mapped by: M3AOXPAC
Additional Imagery info:

Authorized Depth: -13ft.
Side Slope Ratio: (Rise : Run)
Website Index Number: 333
PDF Print Date: 3/13/2024



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

Channel Features
- Channel Center Line
- Channel Toe
- 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

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 er1110-1-8152.
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5. For the most up to date information please check our website at: http://www.swg.usace.army.mil/Missions/Navigation/HydrographicSurveys/

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

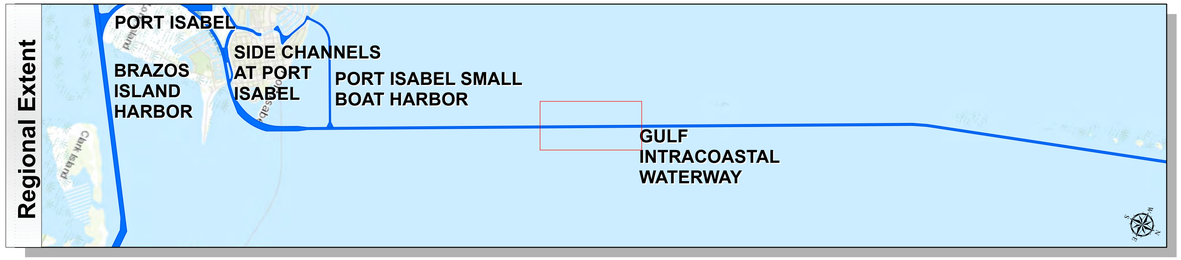
Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

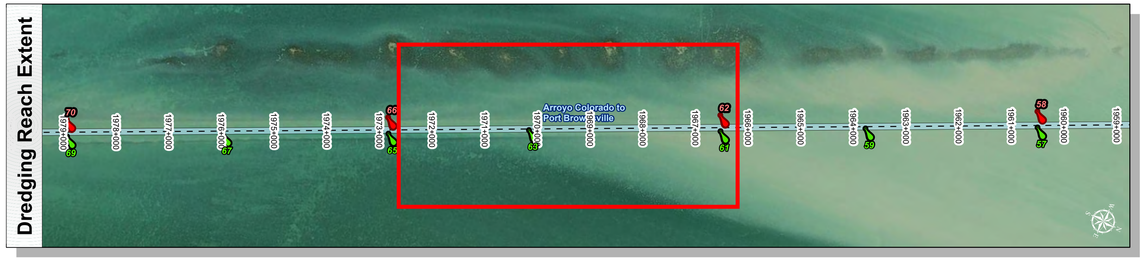
Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent
0 0.25 0.5 1 Miles

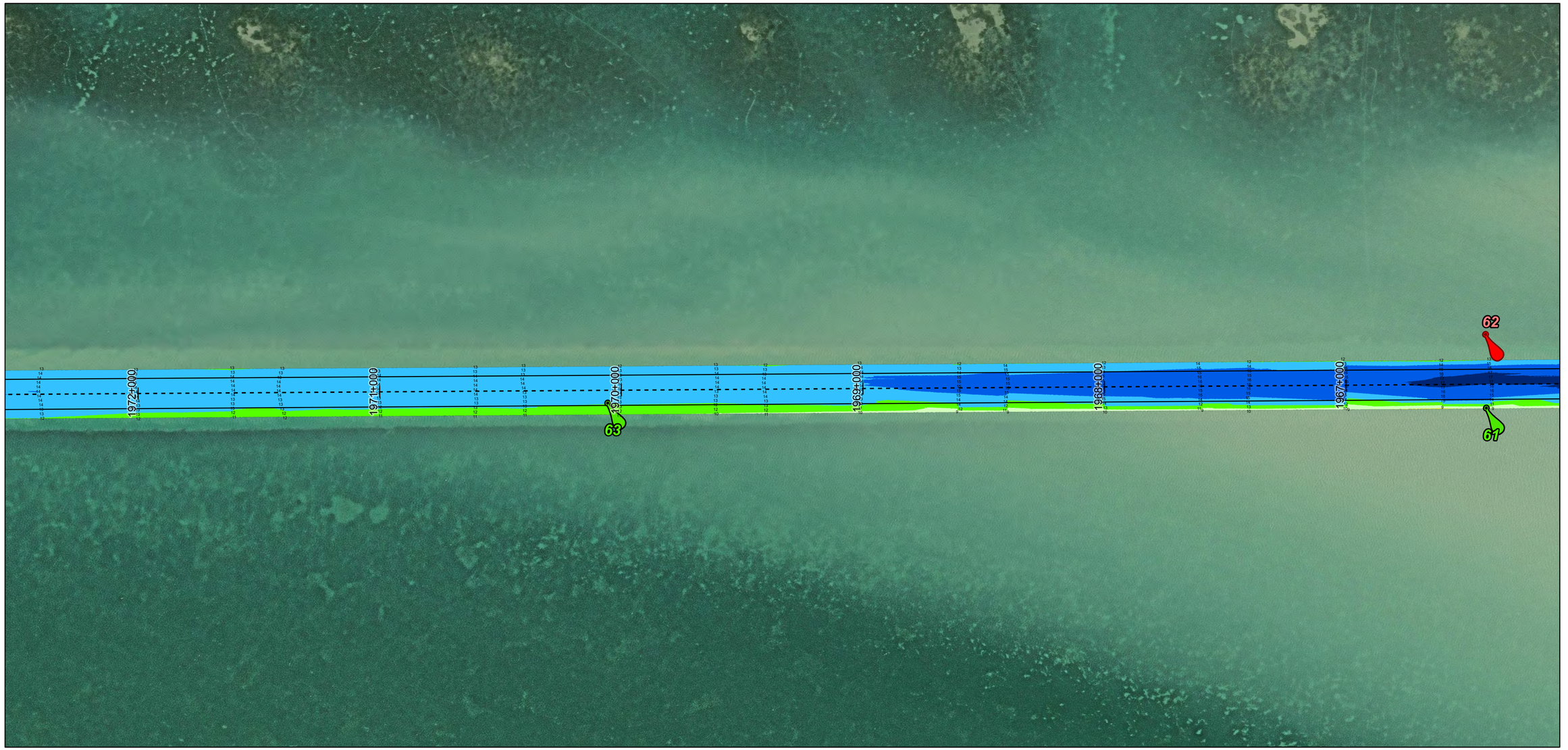
Hydrographic Survey Extent
0 205 410 820 Feet

Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville





U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date:	12 March 2024
Document Page:	18 of 23
Website Index Number:	334
Scale:	1:2,400
Authorized Depth:	-13ft.
Side Slope Ratio:	(Rise : Run)
PDF Print Date:	3/13/2024
Mapped by:	M3AOXPAC
Additional Imagery Info:	

Channel Features
- Channel Center Line
- Channel Toe
- 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

NOTES:
1. Horizontal coordinates are referenced to texas state plane coordinate system, south central zone nad83 us survey feet.
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World_Imagery: Maxar, Microsoft
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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

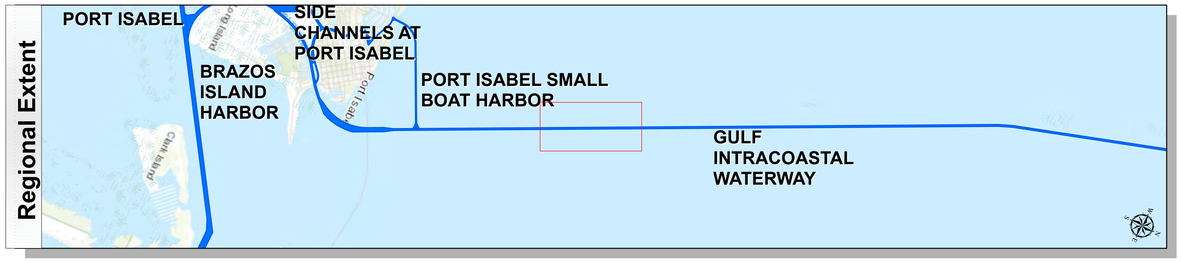
Dredging Reach Extent
0 0.25 0.5 1 Miles

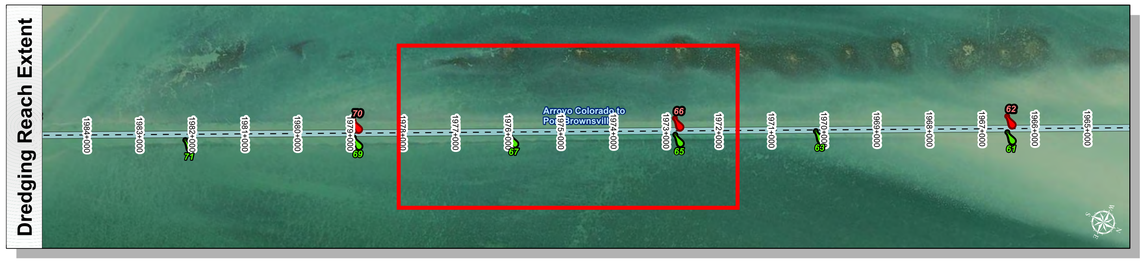
Hydrographic Survey Extent
0 205 410 820 Feet

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

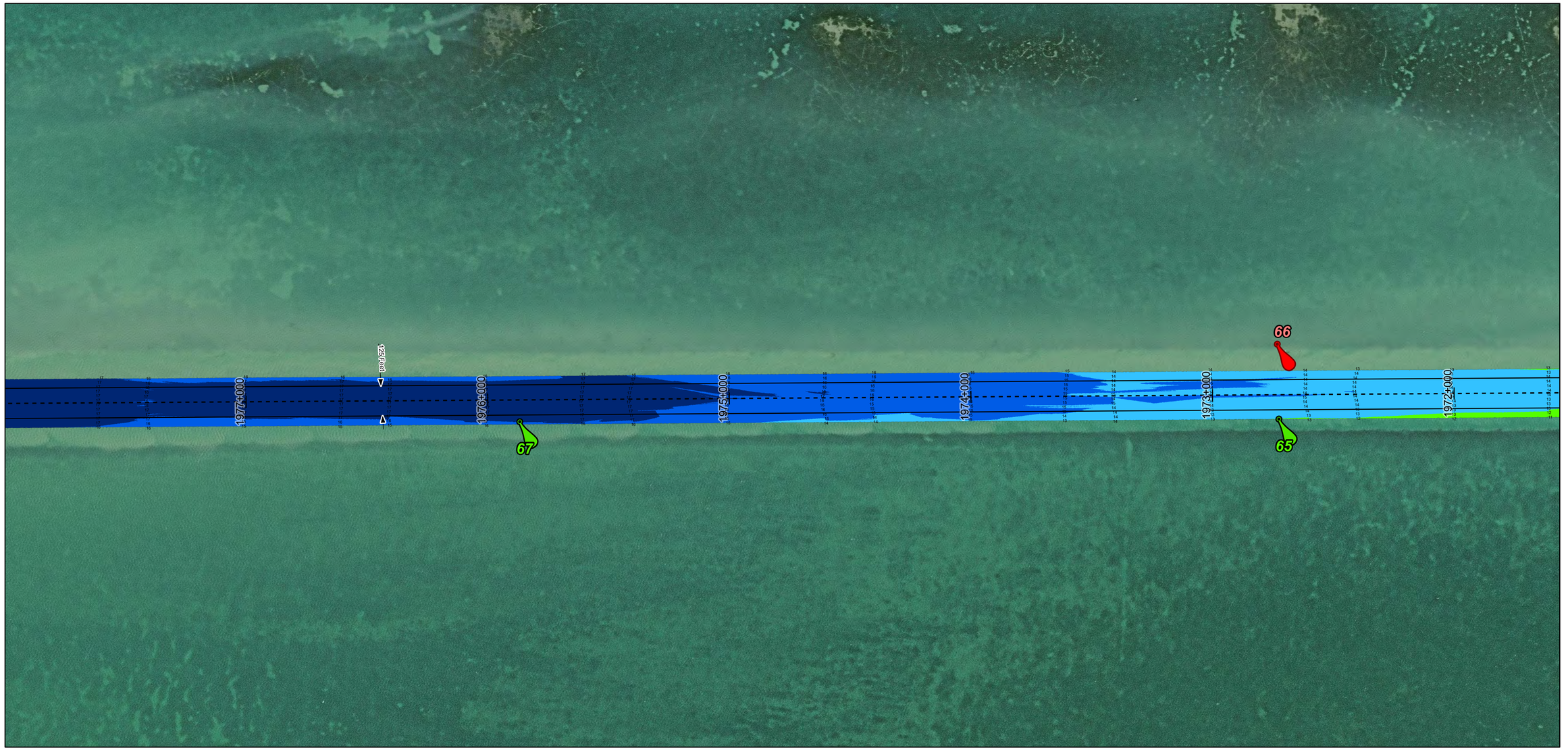
Station: 1878+700 to 1999+277
GULF INTRACOASTAL WATERWAY
Arroyo Colorado to Port Brownsville

Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville





U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date:	12 March 2024
Document Page:	19 of 23
Scale:	1:2,400
Mapped by:	M3AOXPAC
Additional Imagery info:	
Authorized Depth:	-13ft.
Side Slope Ratio:	(Rise : Run)
Website Index Number:	335
PDF Print Date:	3/13/2024

Channel Features
- Channel Center Line
- Channel Toe
- 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

NOTES:
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World_Imagery: Maxar, Microsoft
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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

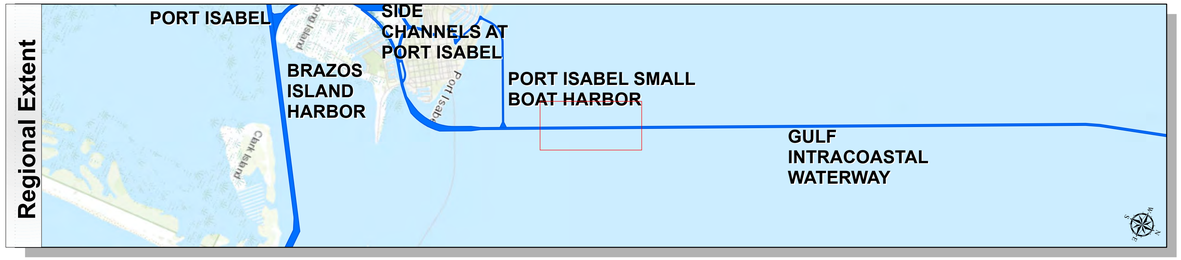
Dredging Reach Extent
0 0.25 0.5 1 Miles

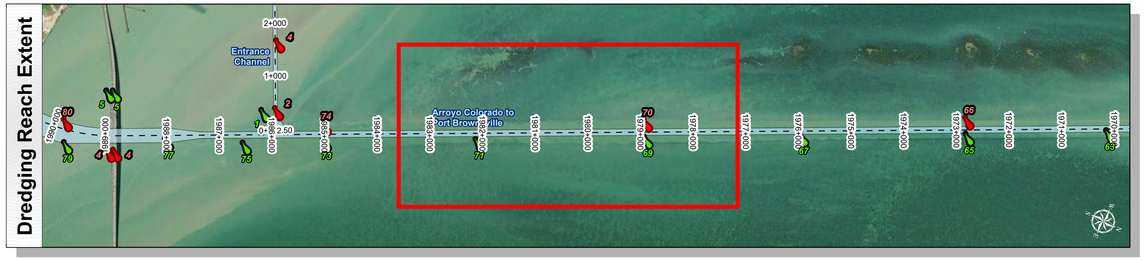
Hydrographic Survey Extent
0 205 410 820 Feet

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

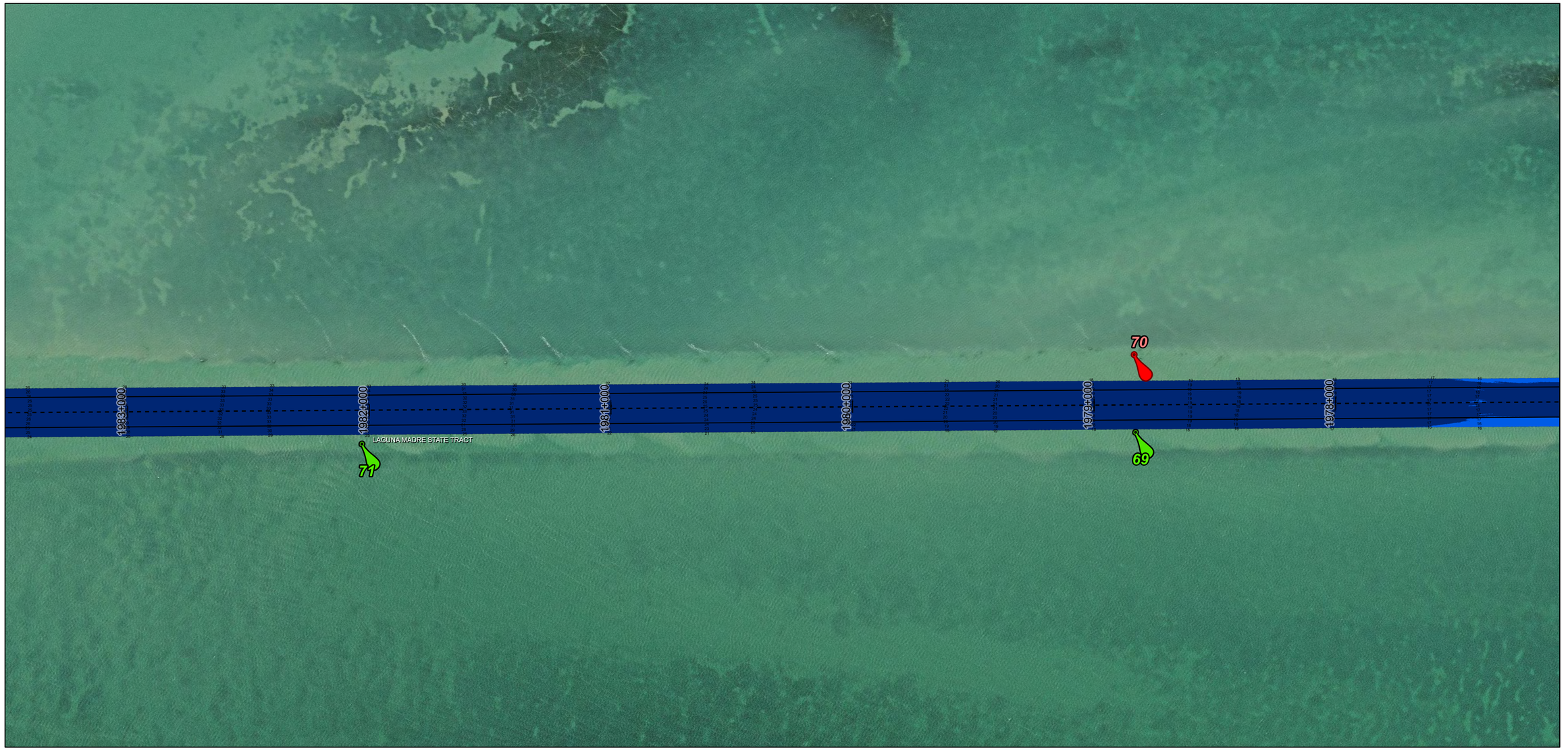
Station: 1878+700 to 1999+277
GULF INTRACOASTAL WATERWAY
Arroyo Colorado to Port Brownsville

Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville





U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 12 March 2024	Authorized Depth: -13ft.
Document Page: 20 of 23	Side Slope Ratio: 1:3 (Rise : Run)
Scale: 1:2,400	PDF Print Date: 3/13/2024
Mapped by: M3AOXPAC	
Additional Imagery Info:	Website Index Number: 336

Channel Features
- Channel Center Line
- Channel Toe
- 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

NOTES:
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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:
COMB_SURV_INFO_HERE

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

Dredging Reach Extent
0 0.25 0.5 1 Miles

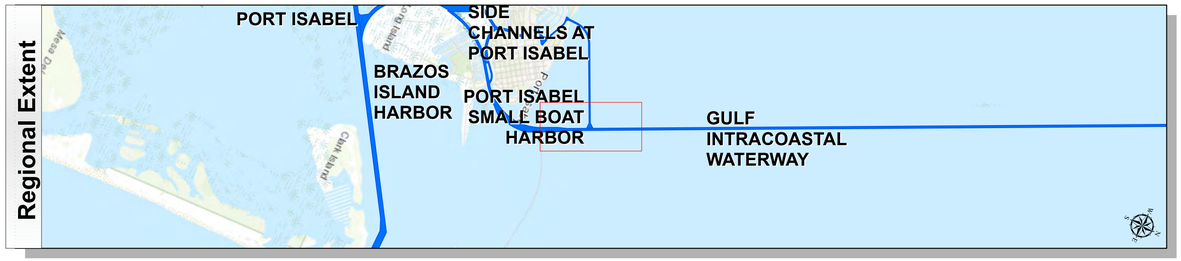
Hydrographic Survey Extent
0 205 410 820 Feet

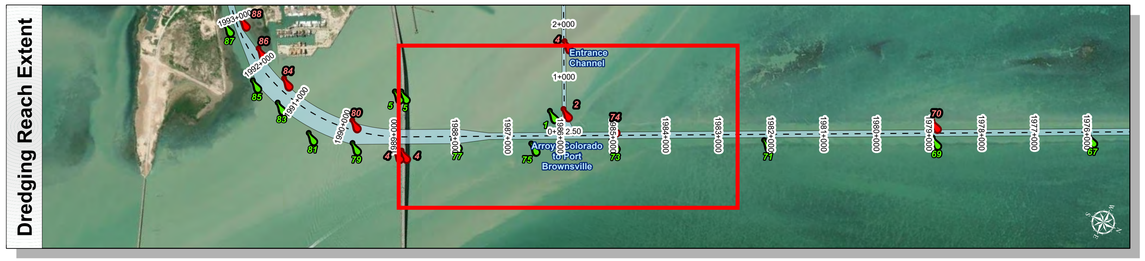
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

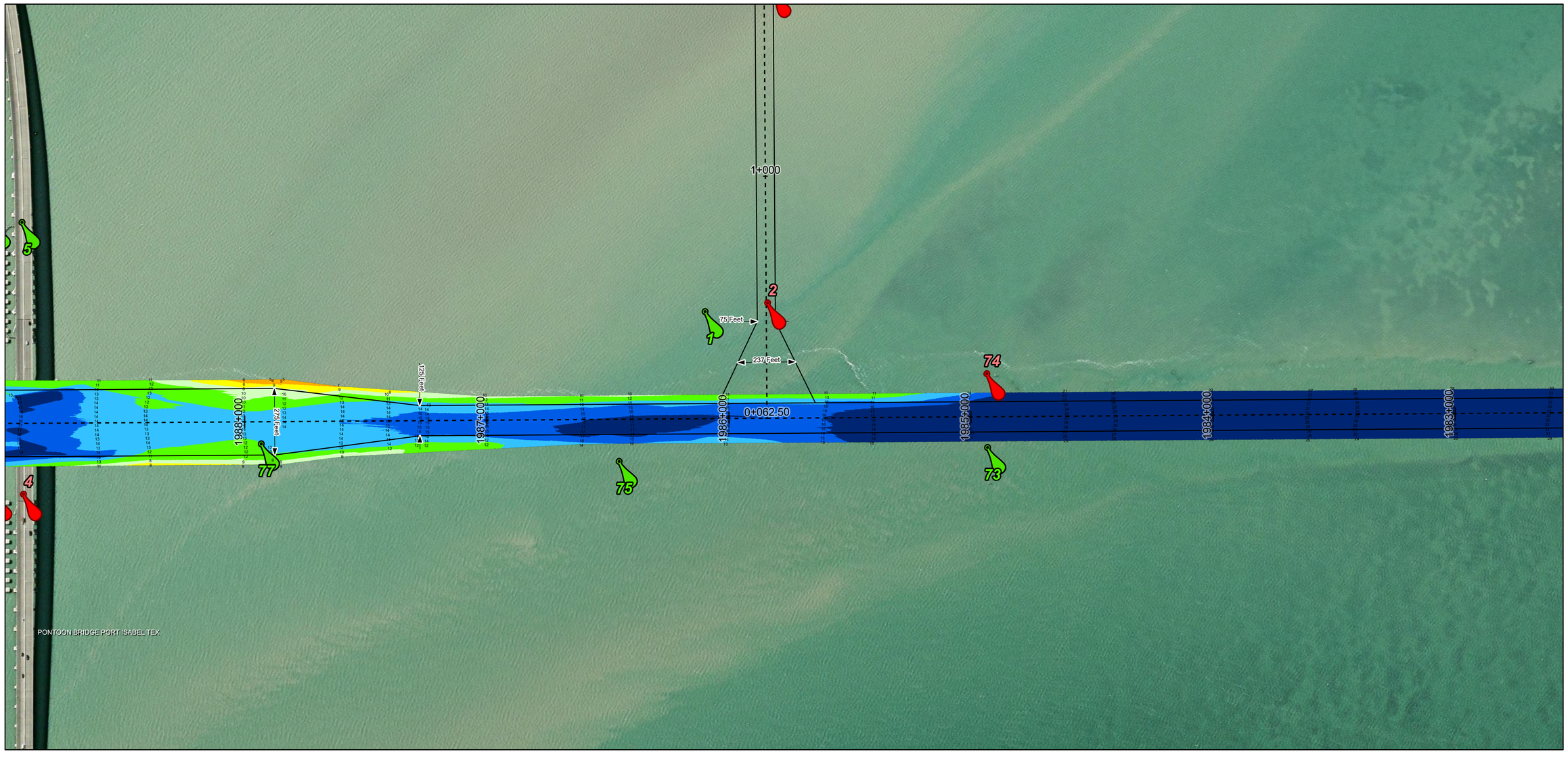
Station: 1878+700 to 1999+277
GULF INTRACOASTAL WATERWAY
Arroyo Colorado to Port Brownsville

Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville

U.S. Army Corps of Engineers
Galveston District







Latest Survey Collection Date: 12 March 2024	Authorized Depth: -13ft.
Document Page: 21 of 23	Side Slope Ratio: 1:3 (Rise : Run)
Scale: 1:2,400	PDF Print Date: 3/13/2024
Mapped by: M3AOXPAC	
Additional Imagery info:	Website Index Number: 337

Channel Features
- Channel Center Line
- Channel Toe
- 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

NOTES:
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World_Imagery: Maxar, Microsoft
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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

Dredging Reach Extent
0 0.25 0.5 1 Miles

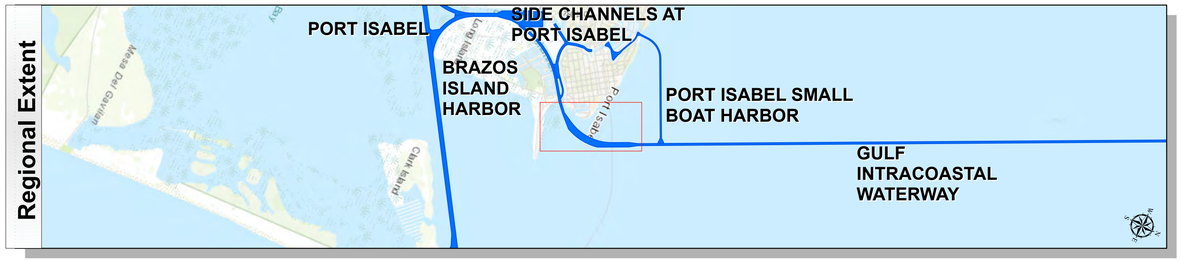
Hydrographic Survey Extent
0 205 410 820 Feet

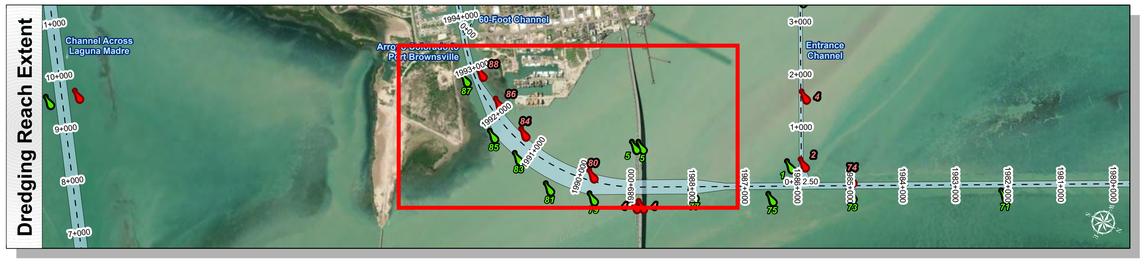
HYDROGRAPHIC SURVEY

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

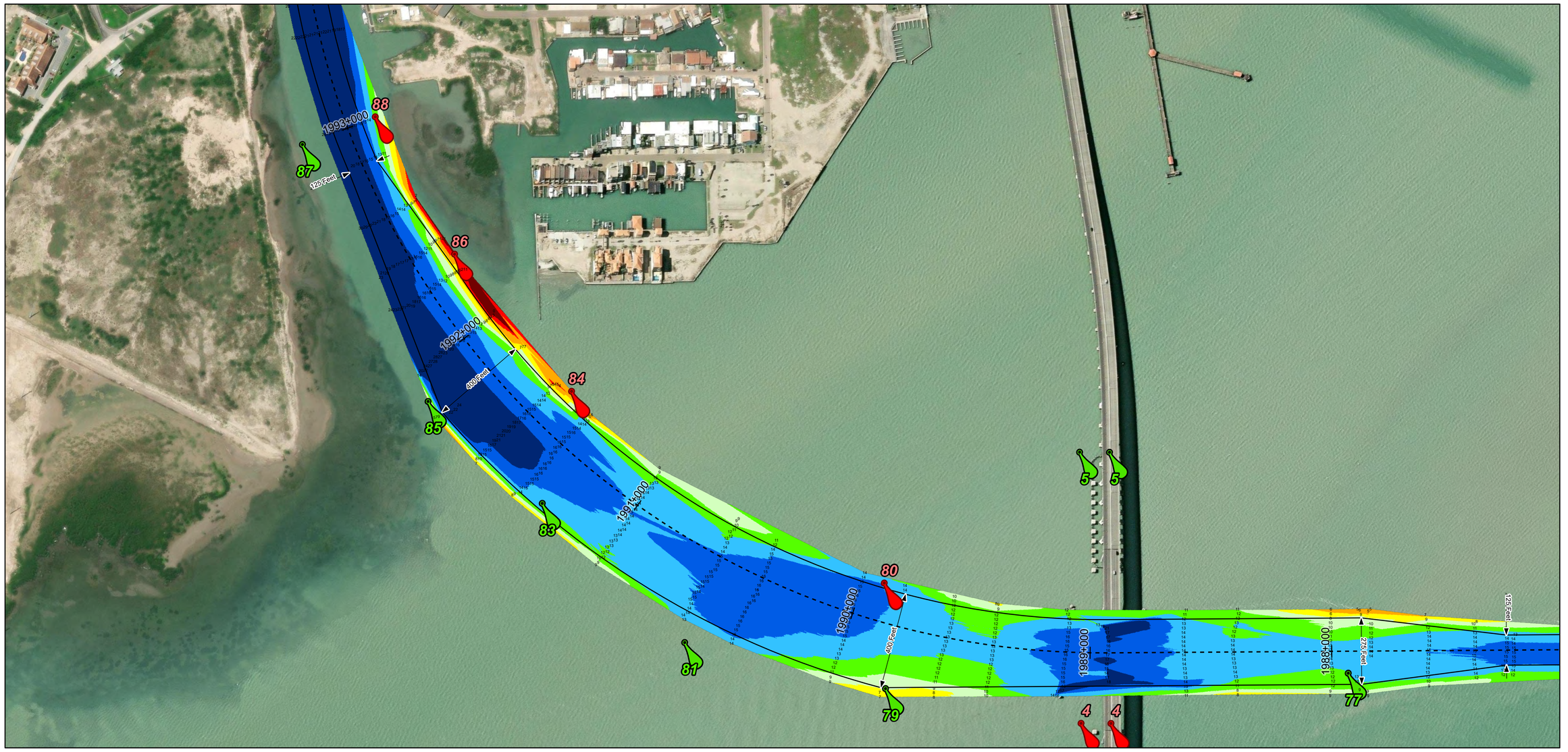
Station: 1878+700 to 1999+277
GULF INTRACOASTAL WATERWAY
Arroyo Colorado to Port Brownsville

Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville





U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 12 March 2024	Authorized Depth: -13ft.
Document Page: 22 of 23	Side Slope Ratio: 1:3 (Rise : Run)
Scale: 1:2,400	Website Index Number: 338
Mapped by: M3AOXPAC	PDF Print Date: 3/13/2024
Additional Imagery info:	

Channel Features
- Channel Center Line
- Channel Toe
- 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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World_Imagery: Maxar, Microsoft
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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

Dredging Reach Extent
0 0.25 0.5 1 Miles

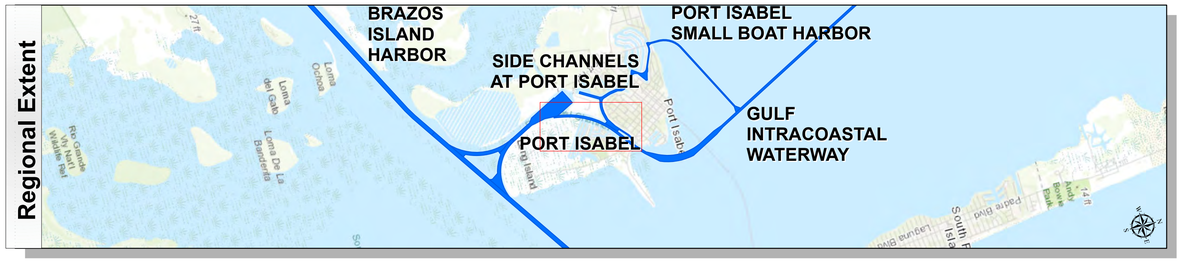
Hydrographic Survey Extent
0 205 410 820 Feet

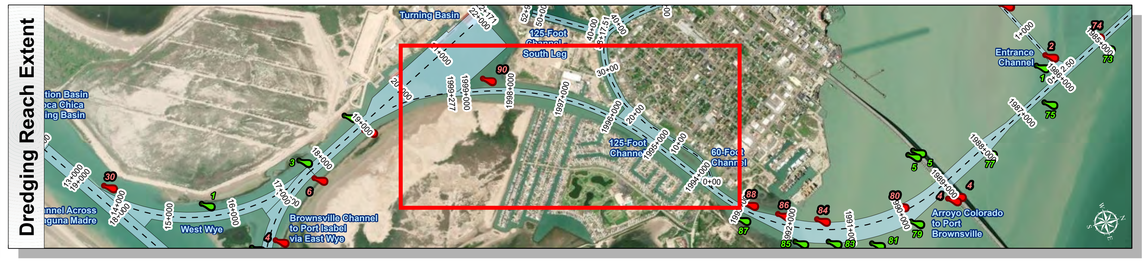
HYDROGRAPHIC SURVEY

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

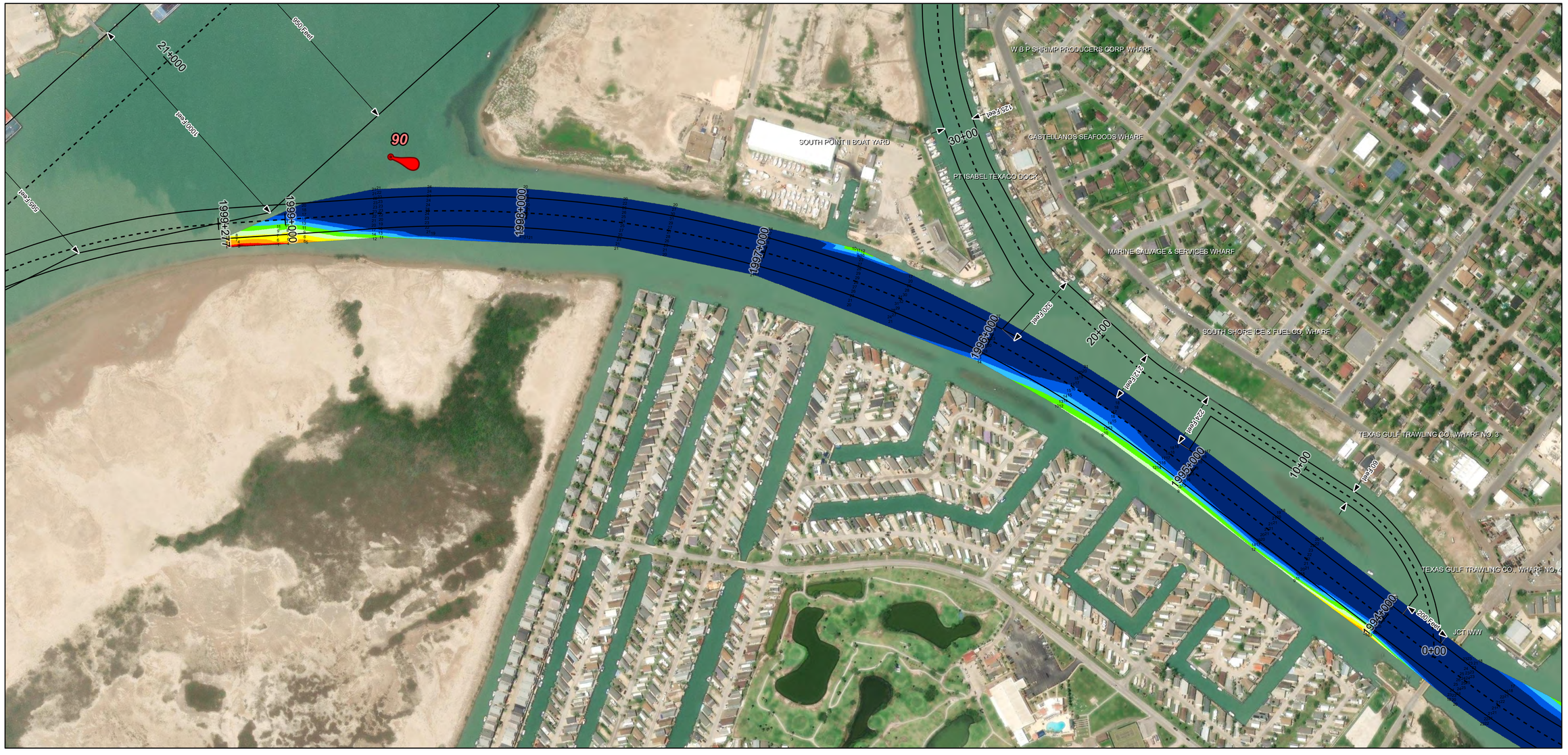
Station: 1878+700 to 1999+277
GULF INTRACOASTAL WATERWAY
Arroyo Colorado to Port Brownsville

Gulf Intracoastal Waterway: Arroyo Colorado to Port Brownsville





U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date:	12 March 2024
Document Page: 23 of 23	Website Index Number: 339
Scale: 1:2,400	
Mapped by: M3AOXPAC	
Additional Imagery info:	
Authorized Depth: -13ft.	
Side Slope Ratio: 1:3 (Rise : Run)	
PDF Print Date: 3/13/2024	

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

Channel Features
- Channel Center Line
- Channel Toe
- 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

NOTES:
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World_Imagery: Maxar, Microsoft
World_Imagery: Maxar

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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