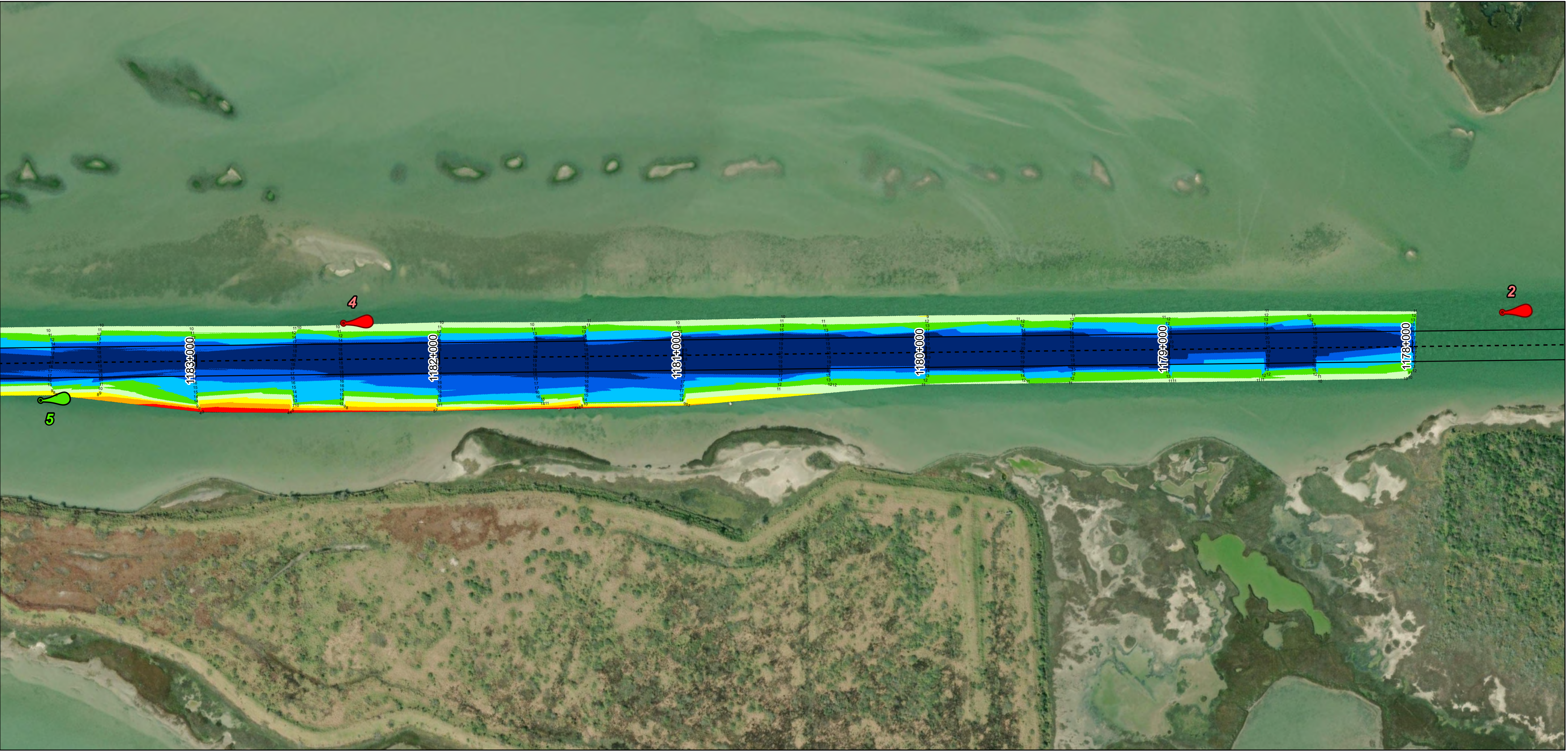


Gulf Intracoastal Waterway: Across Aransas Bay



U.S. Army Corps of Engineers
Galveston District



Channel Features	Aids to Navigation
--- Channel Center Line	Green Side Aids
— Channel Toe	Red Side Aids
— Channel Station Lines	Lights
↔ Channel Dimensions	

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 110.41-112.
- 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, METINASA, NGA, EPA, USDA
World Ocean Base: Esri, GEBCO, Delorme, NaturalVue
World Imagery: Maxar, Microsoft
World Imagery: Maxar

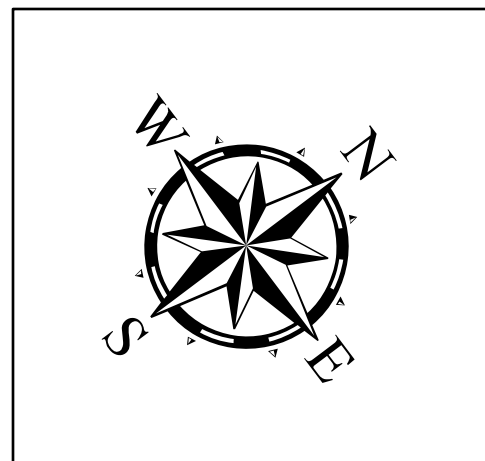
Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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

Dredging Reach Extent
0 0.25 0.5 1 Miles

Hydrographic Survey Extent
0 205 410 820 Feet

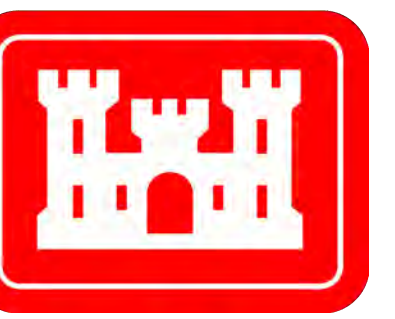
Latest Survey Collection Date: 11 May 2023	Authorized Depth: -14ft.
Document Page: 1 of 12	Side Slope Ratio: (Rise : Run)
Scale: 1":2,400	PDF Print Date: 5/15/2023
Mapped by: M3AOXPAC	
Additional Imagery info:	



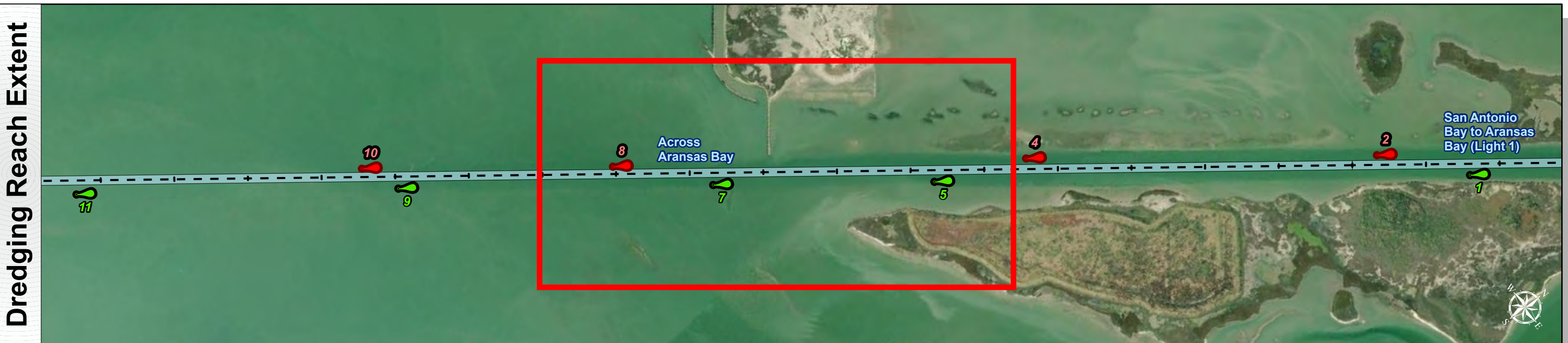
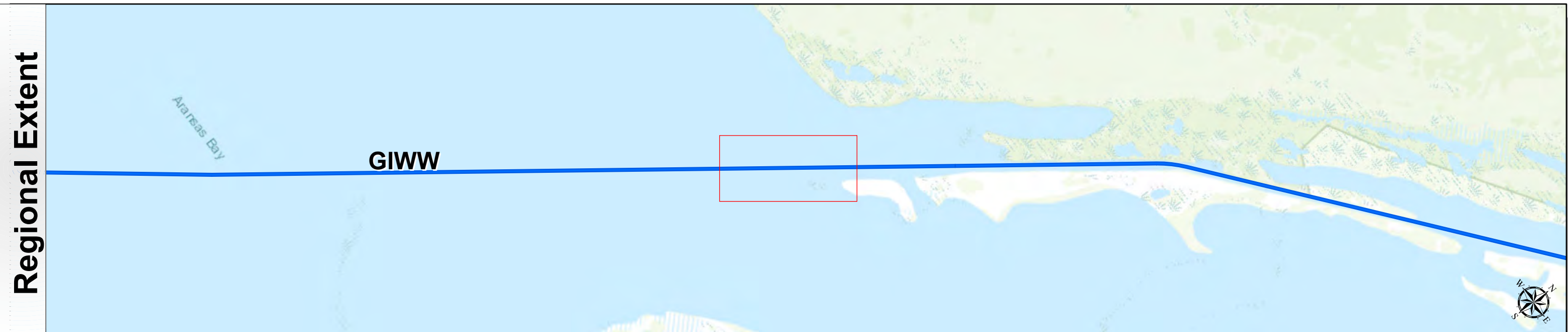
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1178+000 to 1236+611
GIWW
Across Aransas Bay

Gulf Intracoastal Waterway: Across Aransas Bay



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 11 May 2023	Authorized Depth: -14ft.
Document Page: 2 of 12	Side Slope Ratio: (Rise : Run)
Scale: 1":2,400	PDF Print Date: 5/15/2023
Mapped by: M3AOXPAC	
Additional Imagery info:	



Channel Features	Aids to Navigation	MLLW
<ul style="list-style-type: none"> --- Channel Center Line — Channel Toe — Channel Station Lines ↔ Channel Dimensions 	<ul style="list-style-type: none"> Green Side Aids Red Side Aids Lights 	

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 110.41-152.
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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 Ocean Base, Esri, GEBCO, Delorme, NaturalVue
 World Imagery: Maxar, Microsoft
 World Imagery: Maxar

Additional Combined Survey Dates and Stationing:
 COMB_SURV_INFO_HERE

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

Dredging Reach Extent
 0 0.25 0.5 1 Miles

Hydrographic Survey Extent
 0 205 410 820 Feet

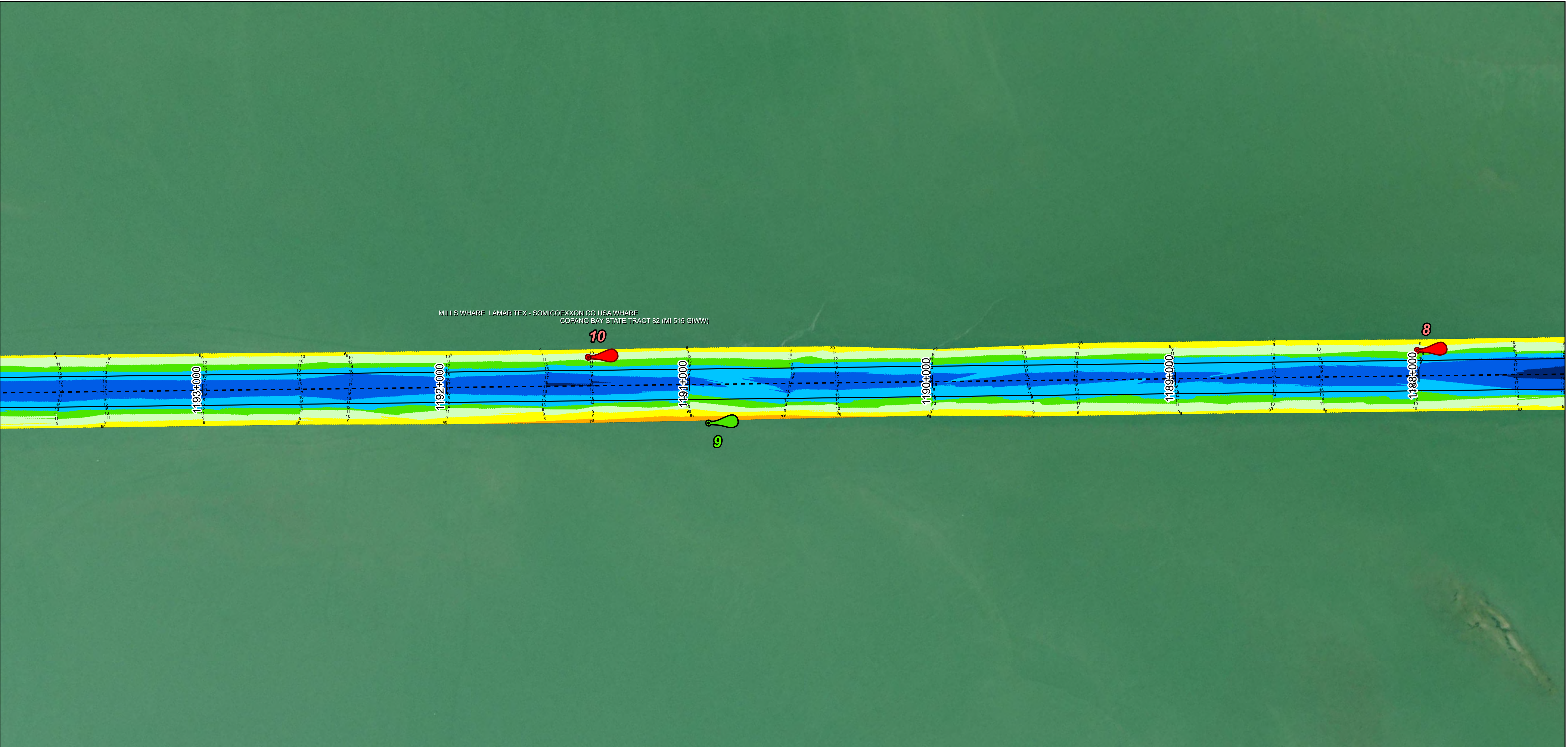
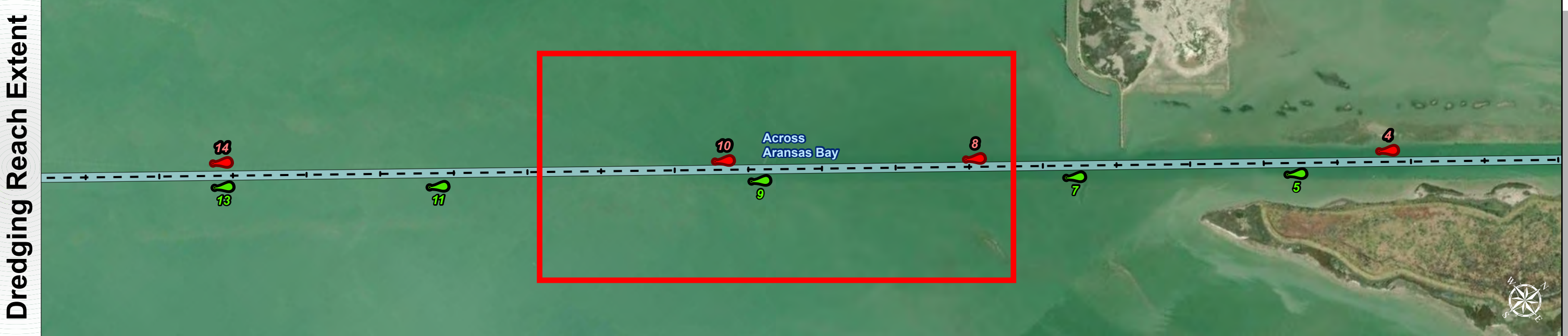
HYDROGRAPHIC SURVEY
 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 GALVESTON, TEXAS

Station: 1178+000 to 1236+611
GIWW
 Across Aransas Bay

Gulf Intracoastal Waterway: Across Aransas Bay



U.S. Army Corps of Engineers
Galveston District



MILLS WHARF LAMAR TEX - SOMICOEXXON CO USA WHARF
COPANO BAY STATE TRACT 82 (MI 515 GIWW)

Latest Survey Collection Date: 11 May 2023	Authorized Depth: -14ft.
Document Page: 3 of 12	Side Slope Ratio: (Rise : Run)
Scale: 1:2,400	PDF Print Date: 5/15/2023
Mapped by: M3AOXPAC	
Additional Imagery info:	

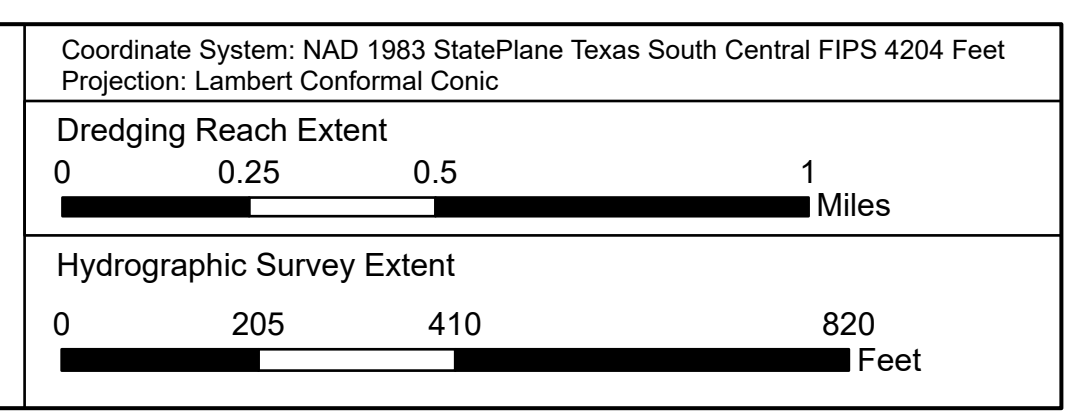


Channel Features	Aids to Navigation
Channel Center Line	Green Side Aids
Channel Toe	Red Side Aids
Channel Station Lines	Lights
Channel Dimensions	

NOTES:
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 World Ocean Base, Esri, GEBCO, DeLorme, NaturalVue
 World Imagery, Maxar, Microsoft
 World Imagery, Maxar

Additional Combined Survey Dates and Stationing:
 COMB_SURV_INFO_HERE



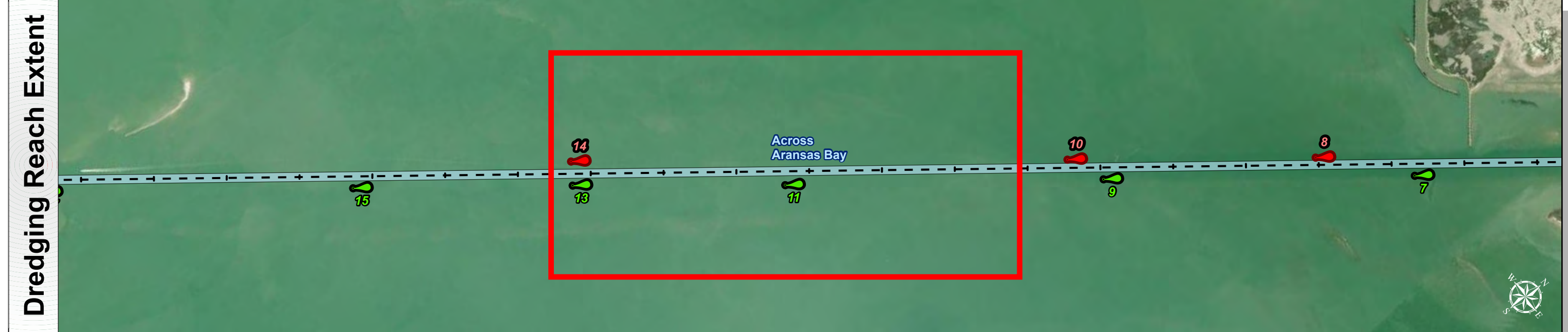
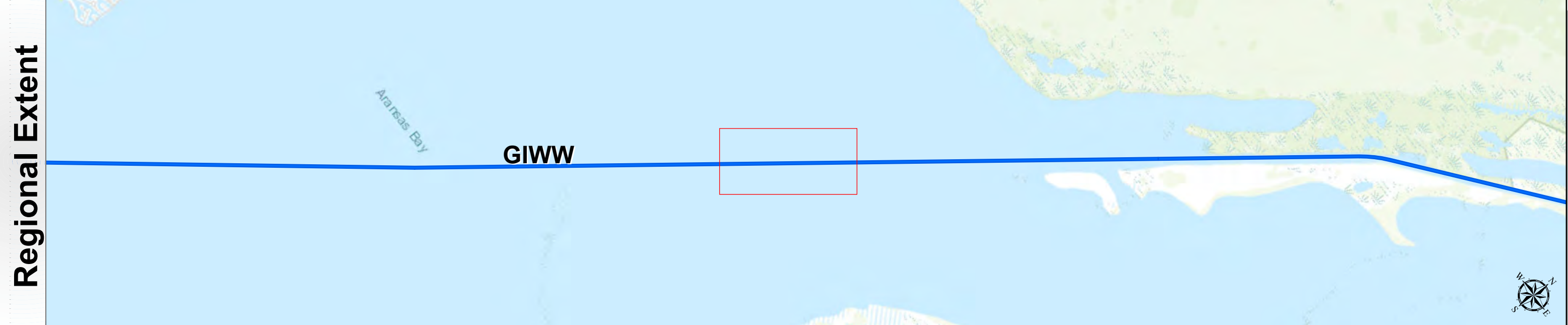
HYDROGRAPHIC SURVEY
 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 GALVESTON, TEXAS

Station: 1178+000 to 1236+611
 GIWW
 Across Aransas Bay

Gulf Intracoastal Waterway: Across Aransas Bay



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 11 May 2023	Authorized Depth: -14ft.
Document Page: 4 of 12	Side Slope Ratio: (Rise : Run)
Scale: 1":2,400	PDF Print Date: 5/15/2023
Mapped by: M3AOXPAC	
Additional Imagery info:	



Channel Features	Aids to Navigation
--- Channel Center Line	Green Side Aids
— Channel Toe	Red Side Aids
— Channel Station Lines	Lights
↔ Channel Dimensions	

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 47CFR 117.11-117.12.
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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, NGA, EPA, USDA
 World Ocean Base: Esri, GEBCO, DeLorme, NaturalVue
 World Imagery: Maxar, Microsoft
 World Imagery: Maxar

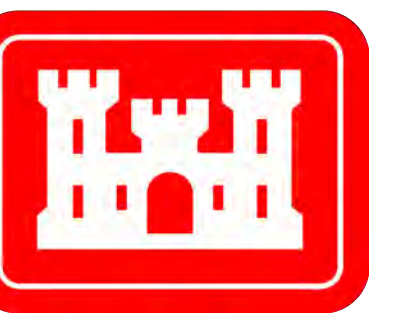
Additional Combined Survey Dates and Stationing:
 COMB_SURV_INFO_HERE

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet Projection: Lambert Conformal Conic	
Dredging Reach Extent	0 0.25 0.5 1 Miles
Hydrographic Survey Extent	0 205 410 820 Feet

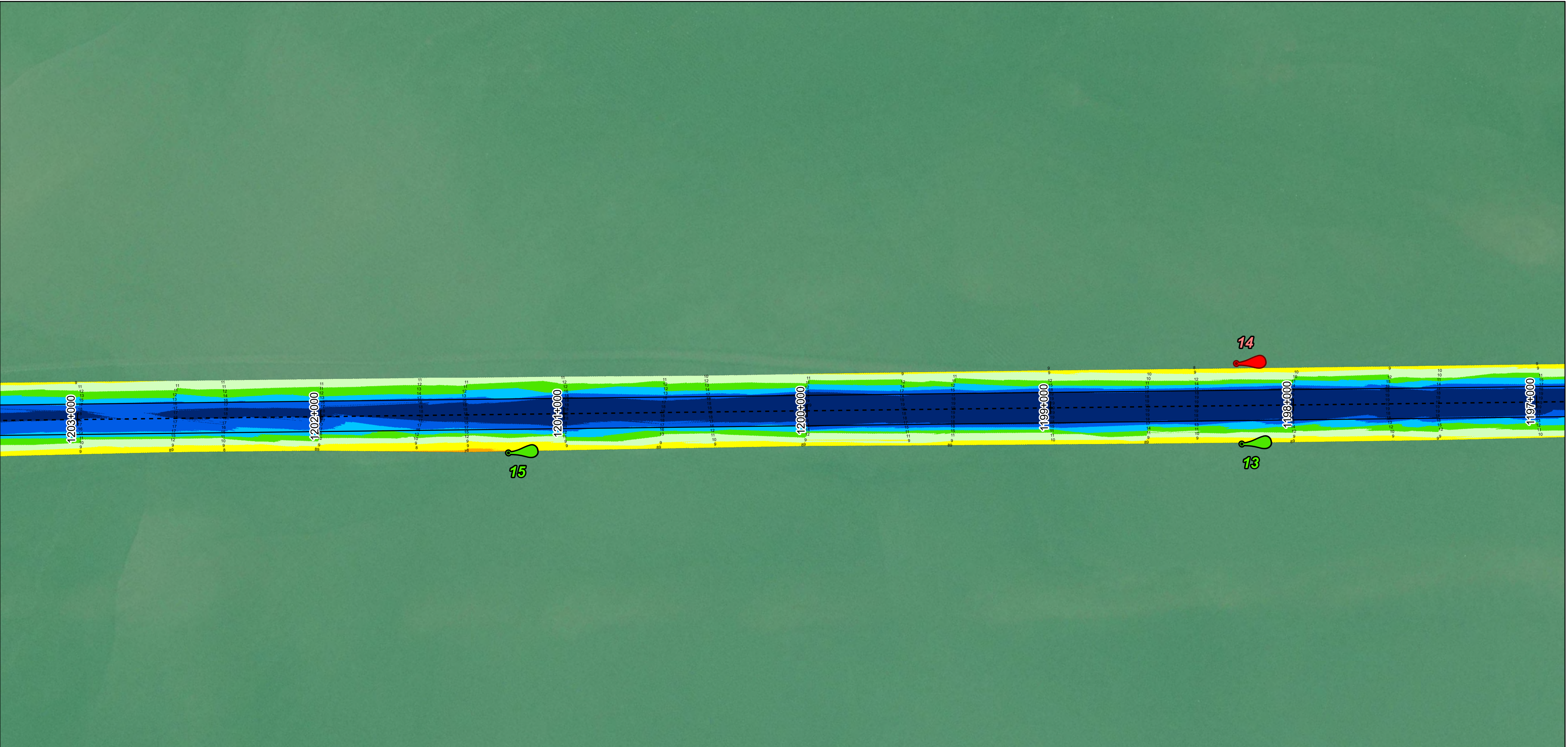
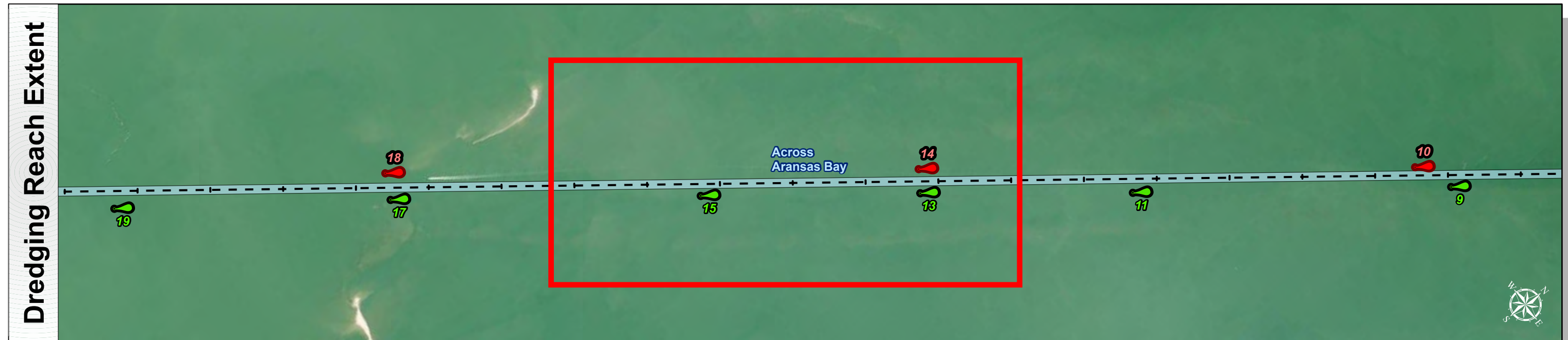
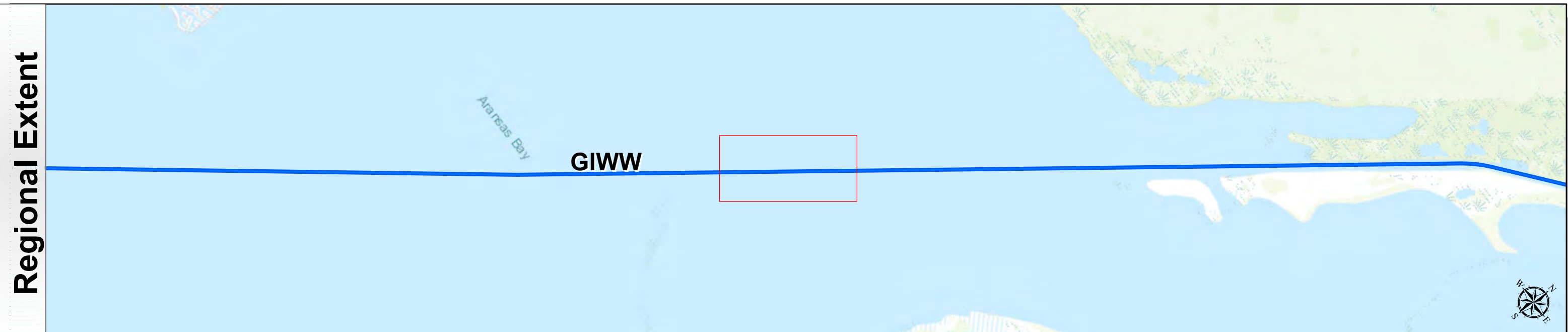
HYDROGRAPHIC SURVEY
 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 GALVESTON, TEXAS

Station: 1178+000 to 1236+611
GIWW
 Across Aransas Bay

Gulf Intracoastal Waterway: Across Aransas Bay



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 11 May 2023	Authorized Depth: -14ft.
Document Page: 5 of 12	Side Slope Ratio: (Rise : Run)
Scale: 1":2,400	PDF Print Date: 5/15/2023
Website Index Number: 173	
Mapped by: M3AOXPAC	
Additional Imagery info:	



Channel Features	Aids to Navigation
--- Channel Center Line	Green Side Aids
— Channel Toe	Red Side Aids
— Channel Station Lines	Lights
↔ Channel Dimensions	

MLLW
0 - 4
4 - 6
6 - 8
8 - 10
10 - 12
12 - 14
14 - 16
16 - 18
< 18

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 er1110-8152.
 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, METINASA, NGA, EPA, USDA
 World Ocean Base: Esri, GEBCO, DeLorme, NaturalVue
 World Imagery: Maxar, Microsoft
 World Imagery: Maxar

Additional Combined Survey Dates and Stationing:
 COMB_SURV_INFO_HERE

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

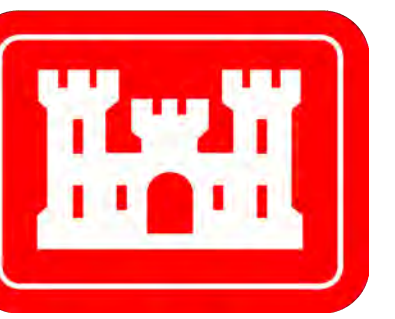
Dredging Reach Extent
 0 0.25 0.5 1 Miles

Hydrographic Survey Extent
 0 205 410 820 Feet

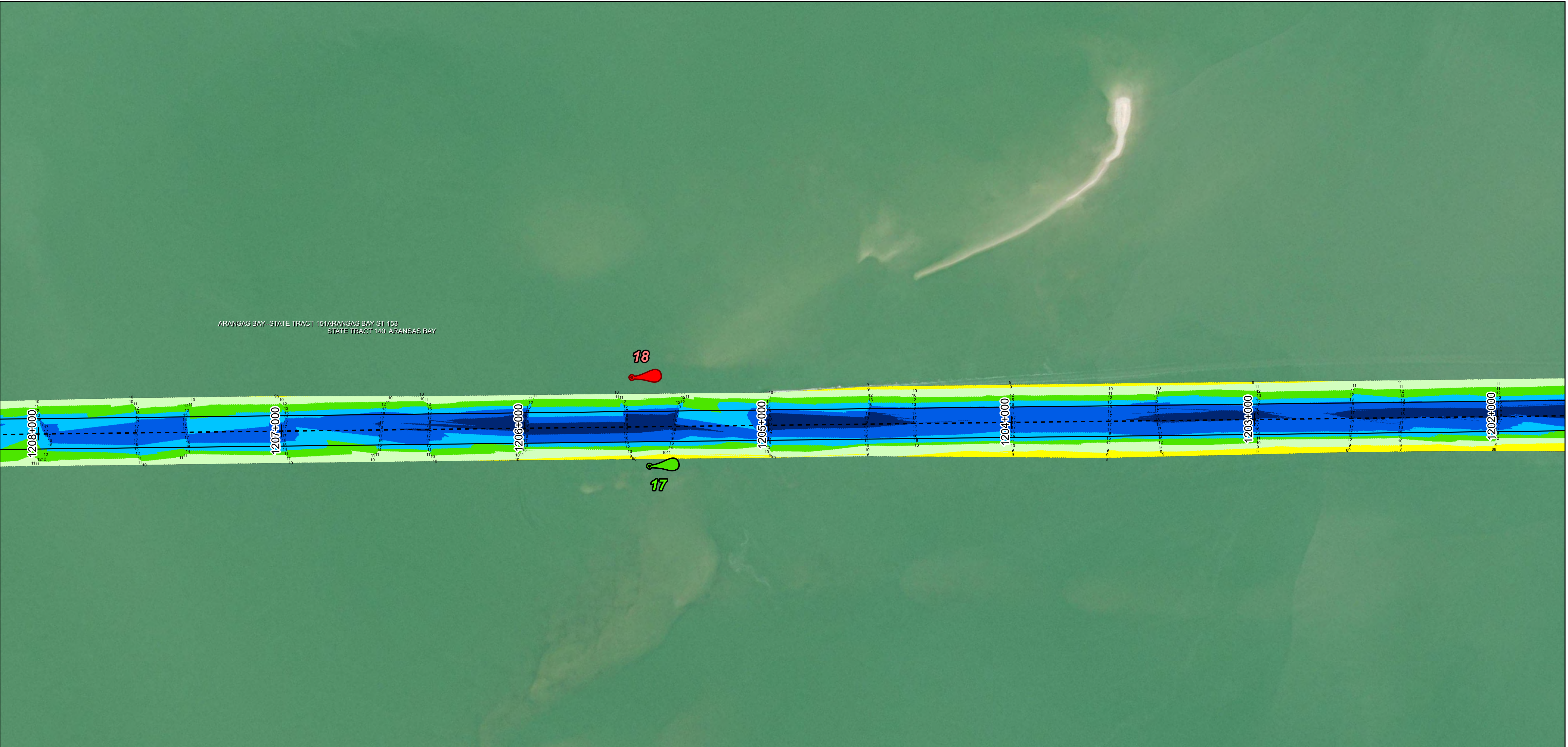
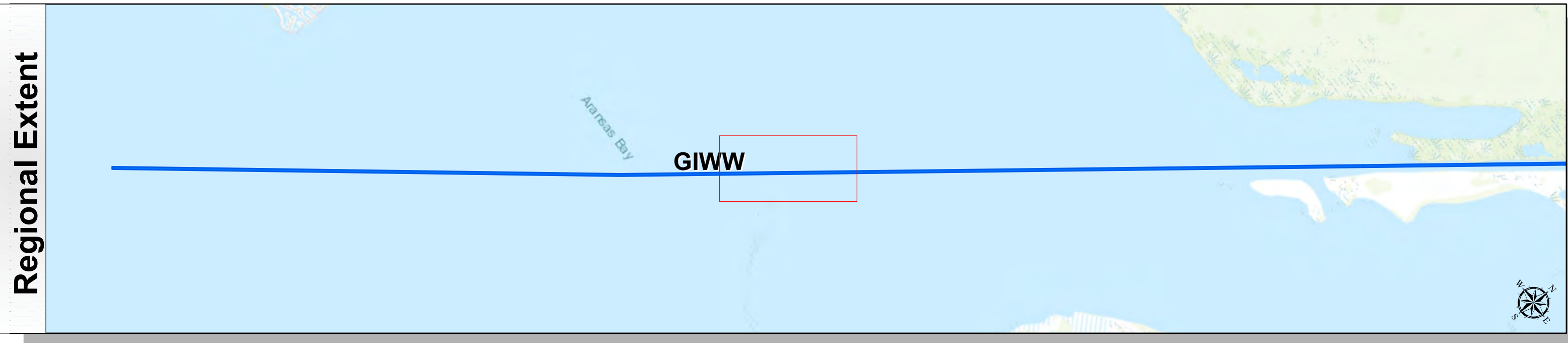
HYDROGRAPHIC SURVEY
 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 GALVESTON, TEXAS

Station: 1178+000 to 1236+611
GIWW
 Across Aransas Bay

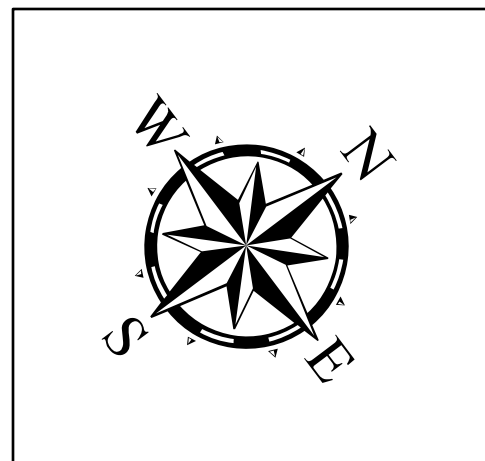
Gulf Intracoastal Waterway: Across Aransas Bay



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 11 May 2023	Authorized Depth: -14ft.
Document Page: 6 of 12	Side Slope Ratio: (Rise : Run)
Scale: 1"=2,400'	PDF Print Date: 5/15/2023
Website Index Number: 174	
Mapped by: M3AOXPAC	
Additional Imagery info:	



Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18
-------	-------	-------	--------	---------	---------	---------	---------	------

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.
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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, NGA, EPA, USDA
World Ocean Base, Esri, GEBCO, Delorme, NaturalVue
World Imagery, Maxar, Microsoft
World Imagery, Maxar

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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

Dredging Reach Extent

Hydrographic Survey Extent

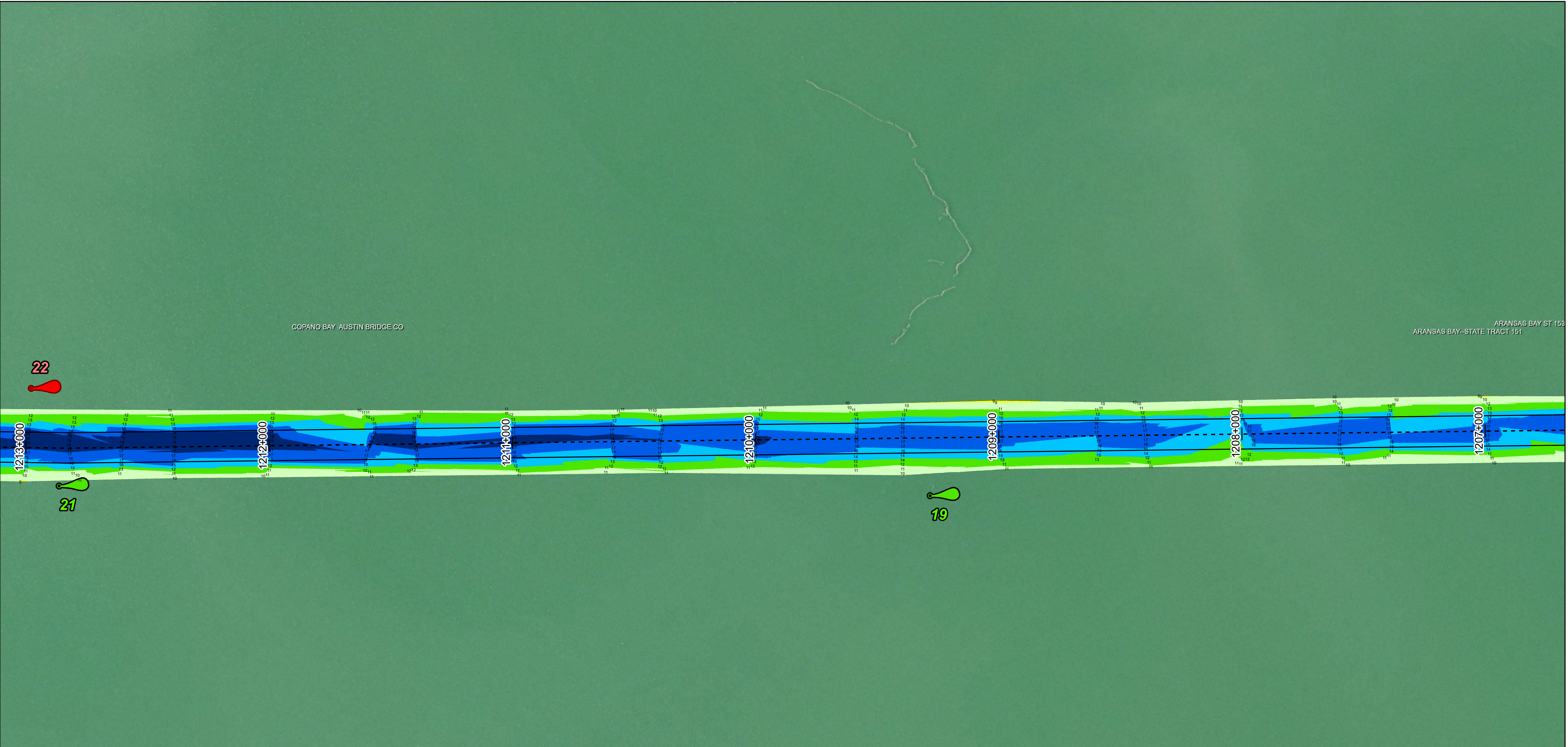
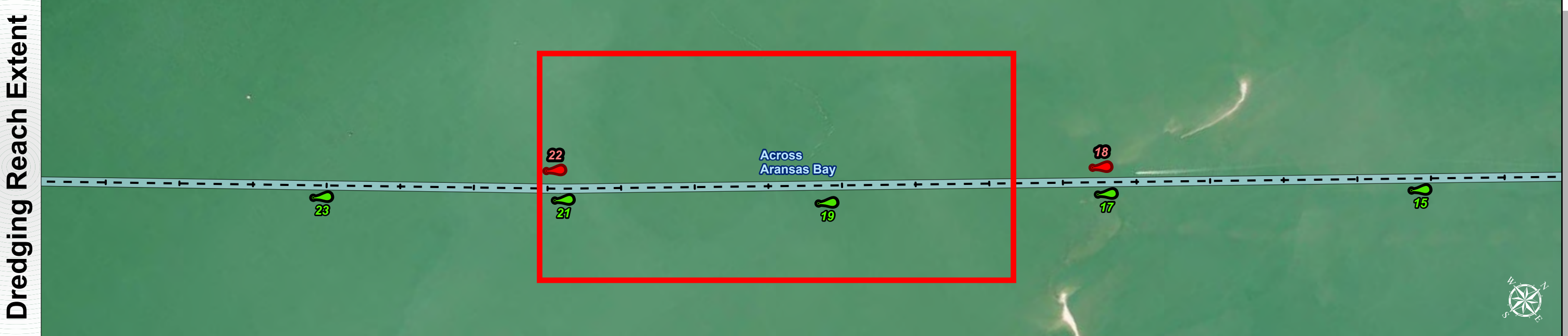
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1178+000 to 1236+611
GIWW
Across Aransas Bay

Gulf Intracoastal Waterway: Across Aransas Bay



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 11 May 2023	Authorized Depth: -14ft.
Document Page: 7 of 12	Side Slope Ratio: (Rise : Run)
Scale: 1"=2,400'	PDF Print Date: 5/15/2023
Mapped by: M3AOXPAC	
Additional Imagery info:	



Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

0 - 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18
-------	-------	-------	--------	---------	---------	---------	---------	------

NOTES:

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World Ocean Base, Esri, GEBCO, Delorme, NaturalVue
World Imagery, Maxar, Microsoft
World Imagery, Maxar

Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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

Dredging Reach Extent

Hydrographic Survey Extent

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

Station: 1178+000 to 1236+611
GIWW
Across Aransas Bay

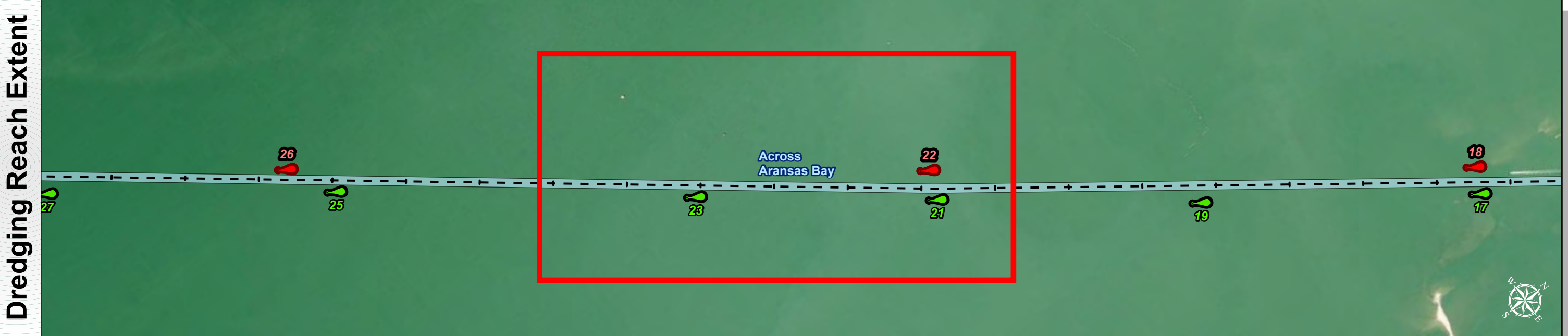
Gulf Intracoastal Waterway: Across Aransas Bay



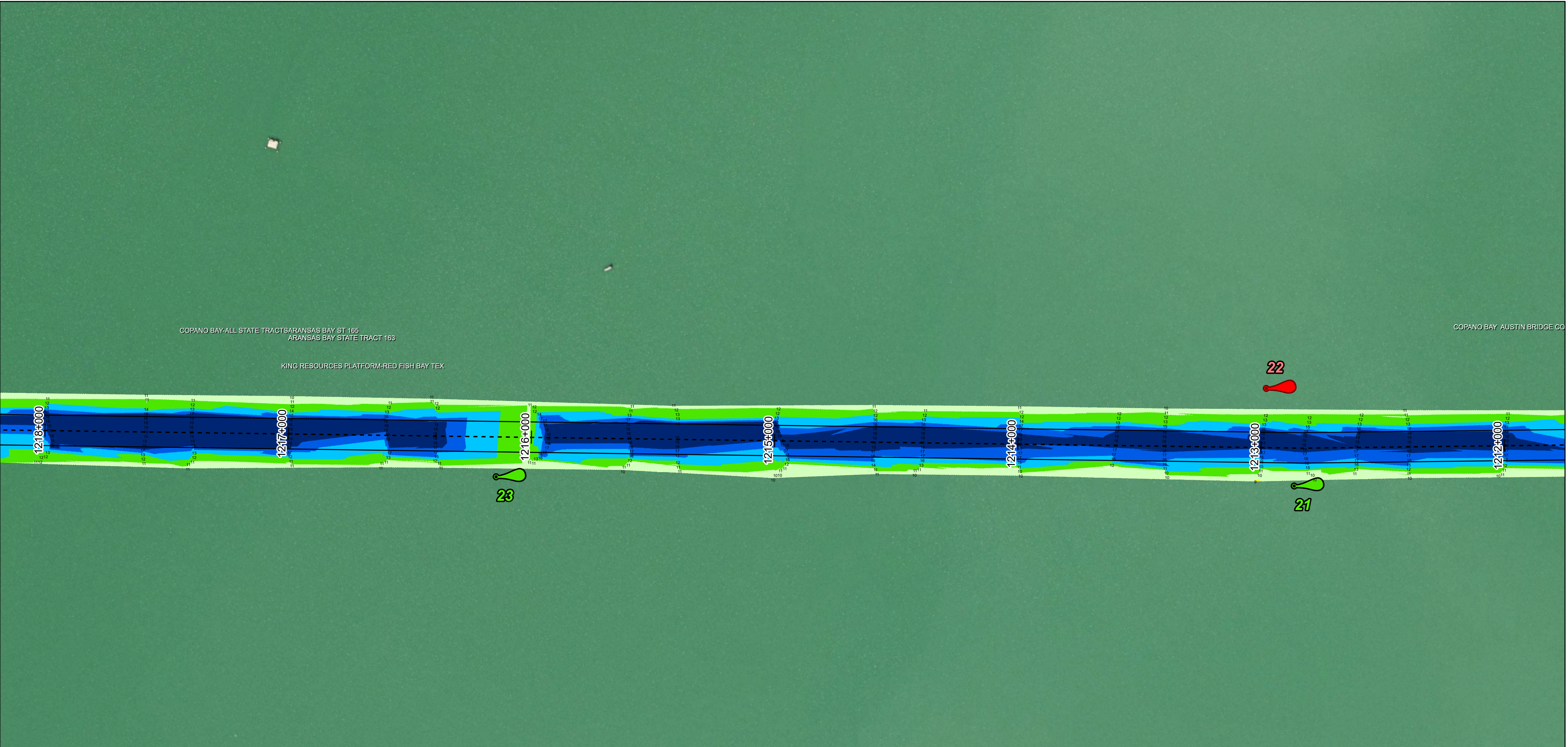
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



COPANO BAY-ALL STATE TRACTS ARANSAS BAY ST 165
ARANSAS BAY STATE TRACT 163

KING RESOURCES PLATFORM-RED FISH BAY TEX

COPANO BAY AUSTIN BRIDGE CO

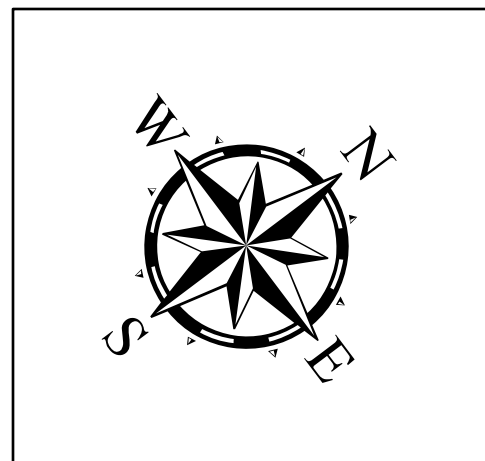
Channel Features	Aids to Navigation	MLLW
- - - Channel Center Line	Green Side Aids	
— Channel Toe	Red Side Aids	
— Channel Station Lines	Lights	
↔ Channel Dimensions		

NOTES:
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 World Imagery: Maxar, Microsoft
 World Imagery: Maxar

Additional Combined Survey Dates and Stationing:
 COMB_SURV_INFO_HERE

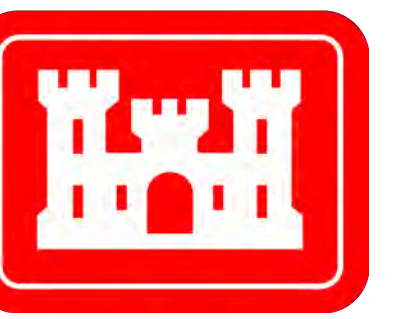
Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet Projection: Lambert Conformal Conic	
Dredging Reach Extent	
Hydrographic Survey Extent	

Latest Survey Collection Date: 11 May 2023	Authorized Depth: -14ft.
Document Page: 8 of 12	Side Slope Ratio: (Rise : Run)
Scale: 1"=2,400'	PDF Print Date: 5/15/2023
Mapped by: M3AOXPAC	
Additional Imagery info:	

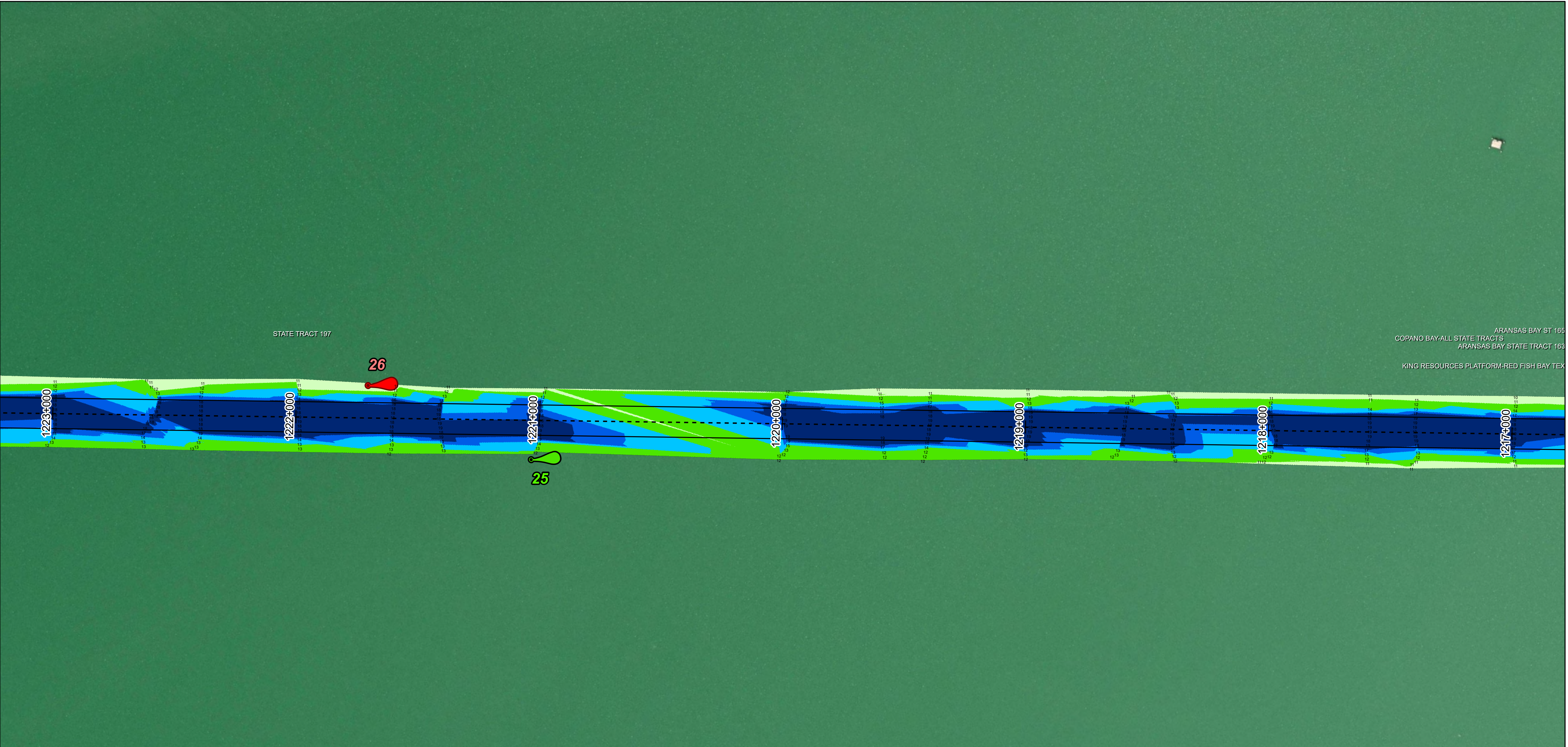
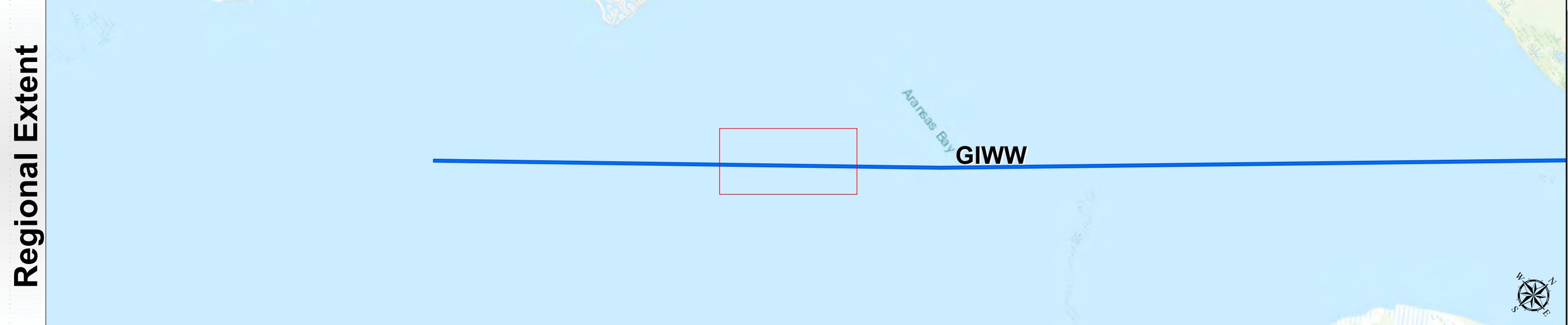


HYDROGRAPHIC SURVEY
 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 GALVESTON, TEXAS
Station: 1178+000 to 1236+611
GIWW
 Across Aransas Bay

Gulf Intracoastal Waterway: Across Aransas Bay



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 11 May 2023	Authorized Depth: -14ft.
Document Page: 9 of 12	Side Slope Ratio: (Rise : Run)
Scale: 1":2,400	PDF Print Date: 5/15/2023
Website Index Number: 177	
Mapped by: M3AOXPAC	
Additional Imagery info:	



Channel Features	Aids to Navigation
Channel Center Line	Green Side Aids
Channel Toe	Red Side Aids
Channel Station Lines	Lights
Channel Dimensions	

MLLW
0 - 4
4 - 6
6 - 8
8 - 10
10 - 12
12 - 14
14 - 16
16 - 18
< 18

NOTES:
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Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, NGA, EPA, USDA
 World Ocean Base: Esri, GEBCO, DeLorme, NaturalVue
 World Imagery: Maxar, Microsoft
 World Imagery: Maxar

Additional Combined Survey Dates and Stationing:
 COMB_SURV_INFO_HERE

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

Dredging Reach Extent
 0 0.25 0.5 1 Miles

Hydrographic Survey Extent
 0 205 410 820 Feet

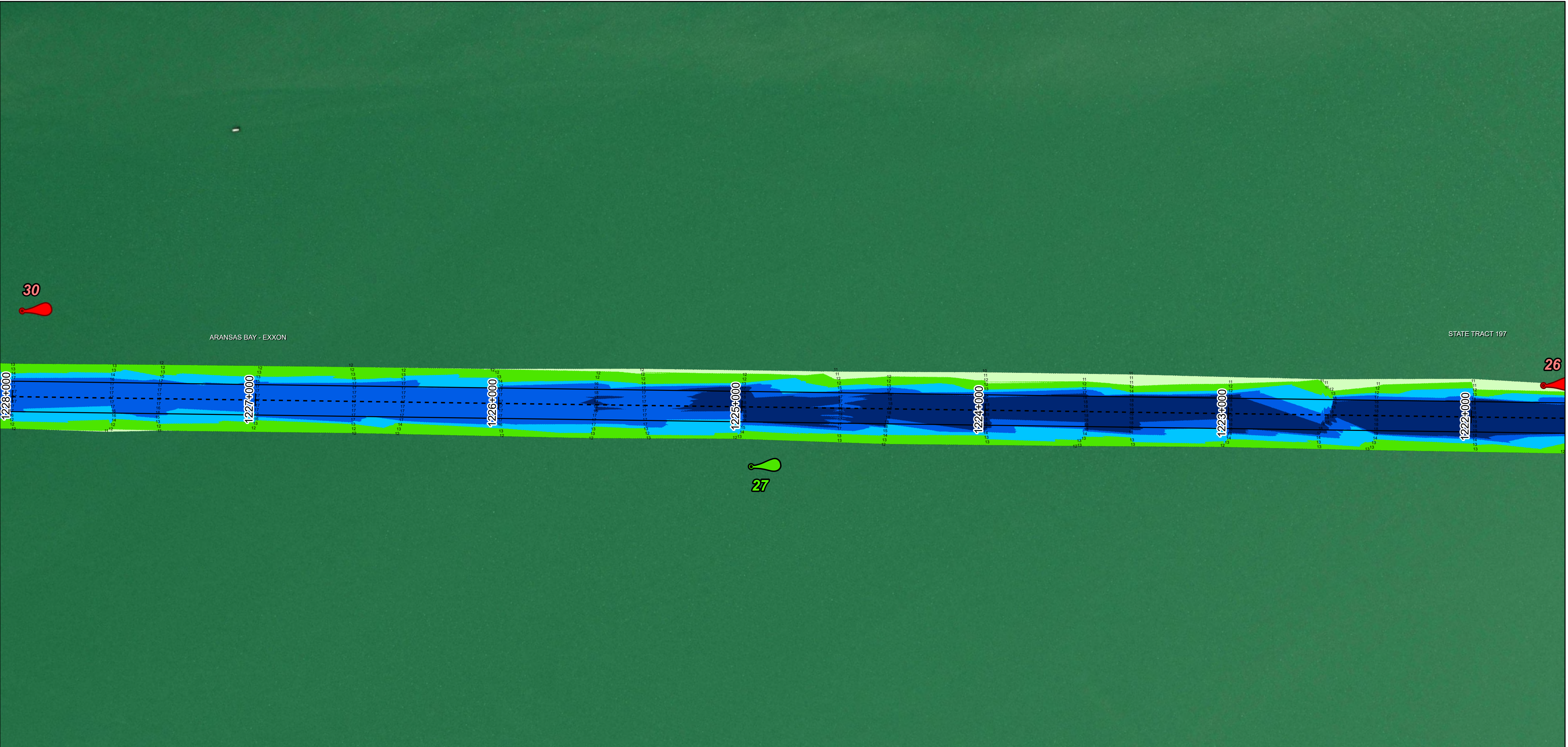
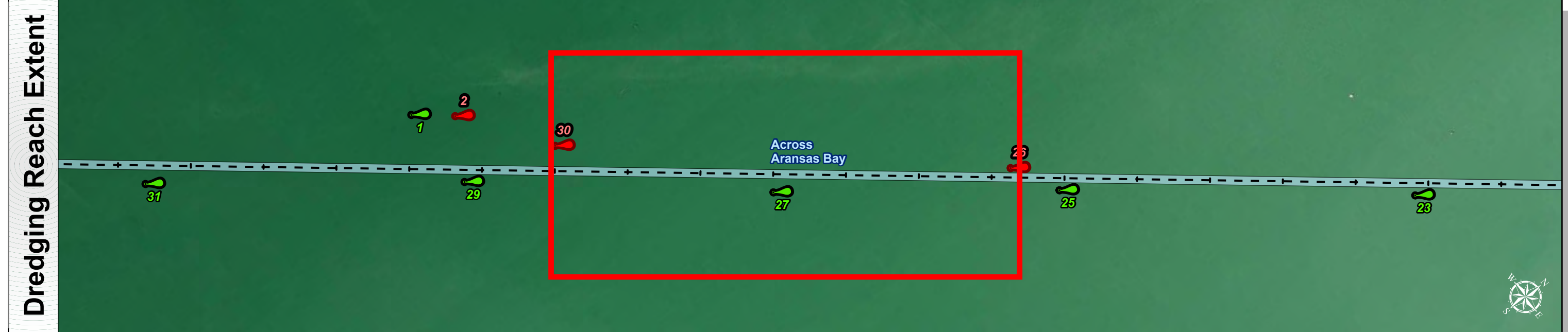
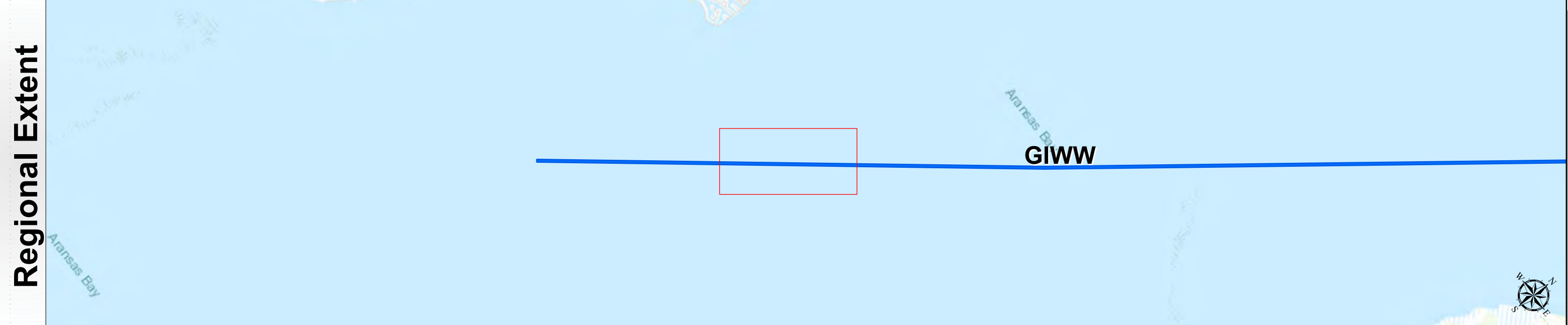
HYDROGRAPHIC SURVEY
 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 GALVESTON, TEXAS

Station: 1178+000 to 1236+611
GIWW
 Across Aransas Bay

Gulf Intracoastal Waterway: Across Aransas Bay



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 11 May 2023	Authorized Depth: -14ft.
Document Page: 10 of 12	Side Slope Ratio: (Rise : Run)
Scale: 1":2,400	PDF Print Date: 5/15/2023
Mapped by: M3AOXPAC	
Additional Imagery info:	



Channel Features	Aids to Navigation
Channel Center Line	Green Side Aids
Channel Toe	Red Side Aids
Channel Station Lines	Lights
Channel Dimensions	

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 110.41-152.
 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/>

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 World Ocean Base: Esri, GEBCO, Delorme, NaturalVue
 World Imagery: Maxar, Microsoft
 World Imagery: Maxar

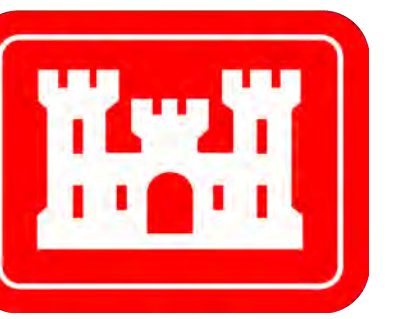
Additional Combined Survey Dates and Stationing:
 COMB_SURV_INFO_HERE

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet Projection: Lambert Conformal Conic	
Dredging Reach Extent	
0	0.25 0.5 1 Miles
Hydrographic Survey Extent	
0	205 410 820 Feet

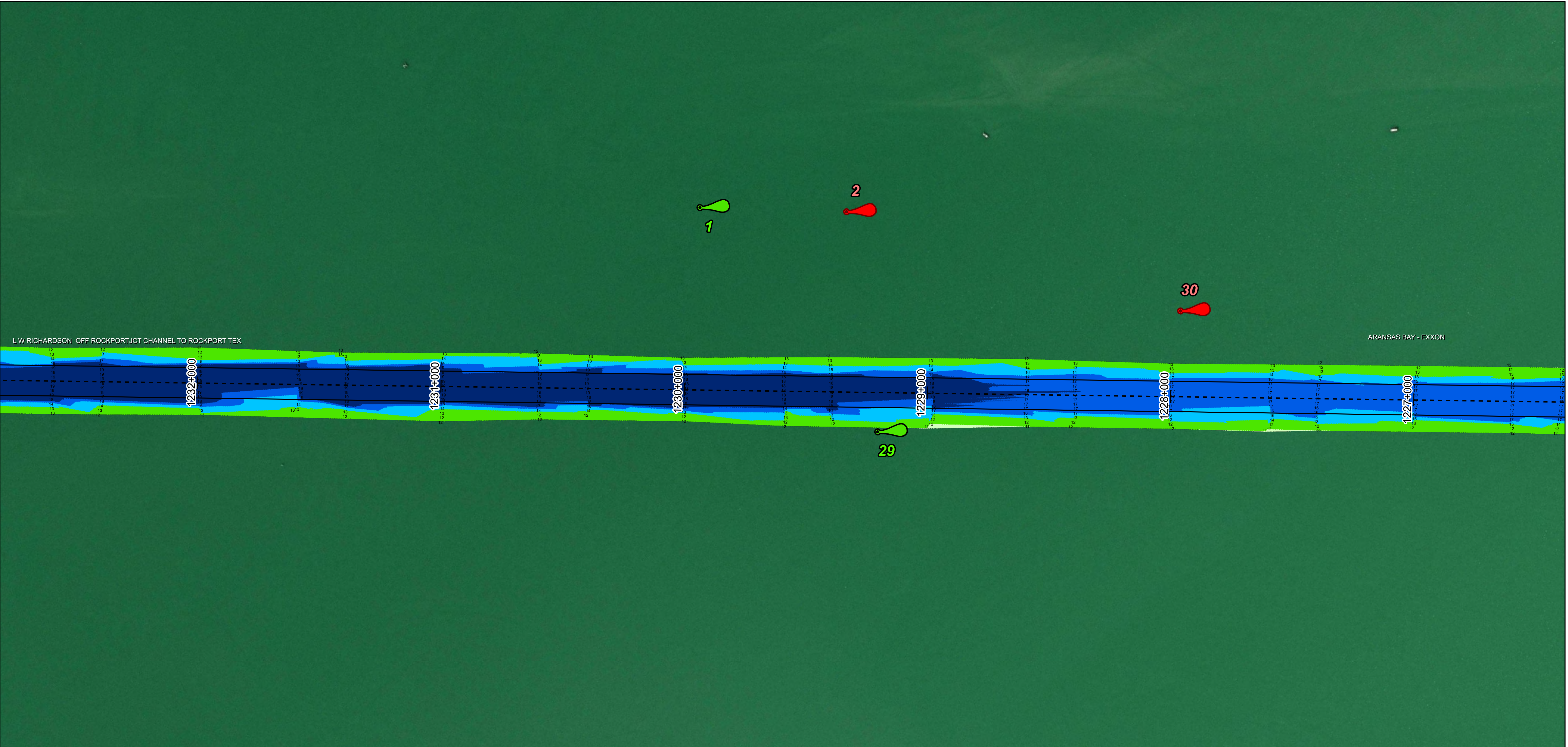
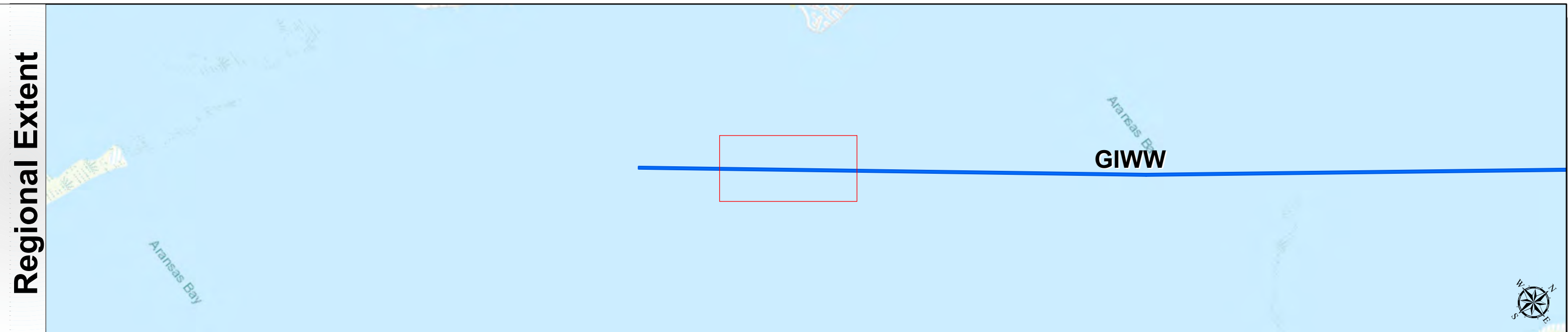
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Latest Survey Collection Date: 11 May 2023	Authorized Depth: -14ft.
Document Page: 11 of 12	Side Slope Ratio: (Rise : Run)
Scale: 1":2,400	PDF Print Date: 5/15/2023
Website Index Number: 179	
Mapped by: M3AOXPAC	
Additional Imagery info:	



Channel Features	Aids to Navigation
Channel Center Line	Green Side Aids
Channel Toe	Red Side Aids
Channel Station Lines	Lights
Channel Dimensions	

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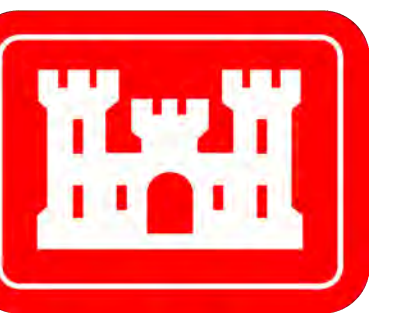
Additional Combined Survey Dates and Stationing:
 COMB_SURV_INFO_HERE

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet Projection: Lambert Conformal Conic	
Dredging Reach Extent	0 0.25 0.5 1 Miles
Hydrographic Survey Extent	0 205 410 820 Feet

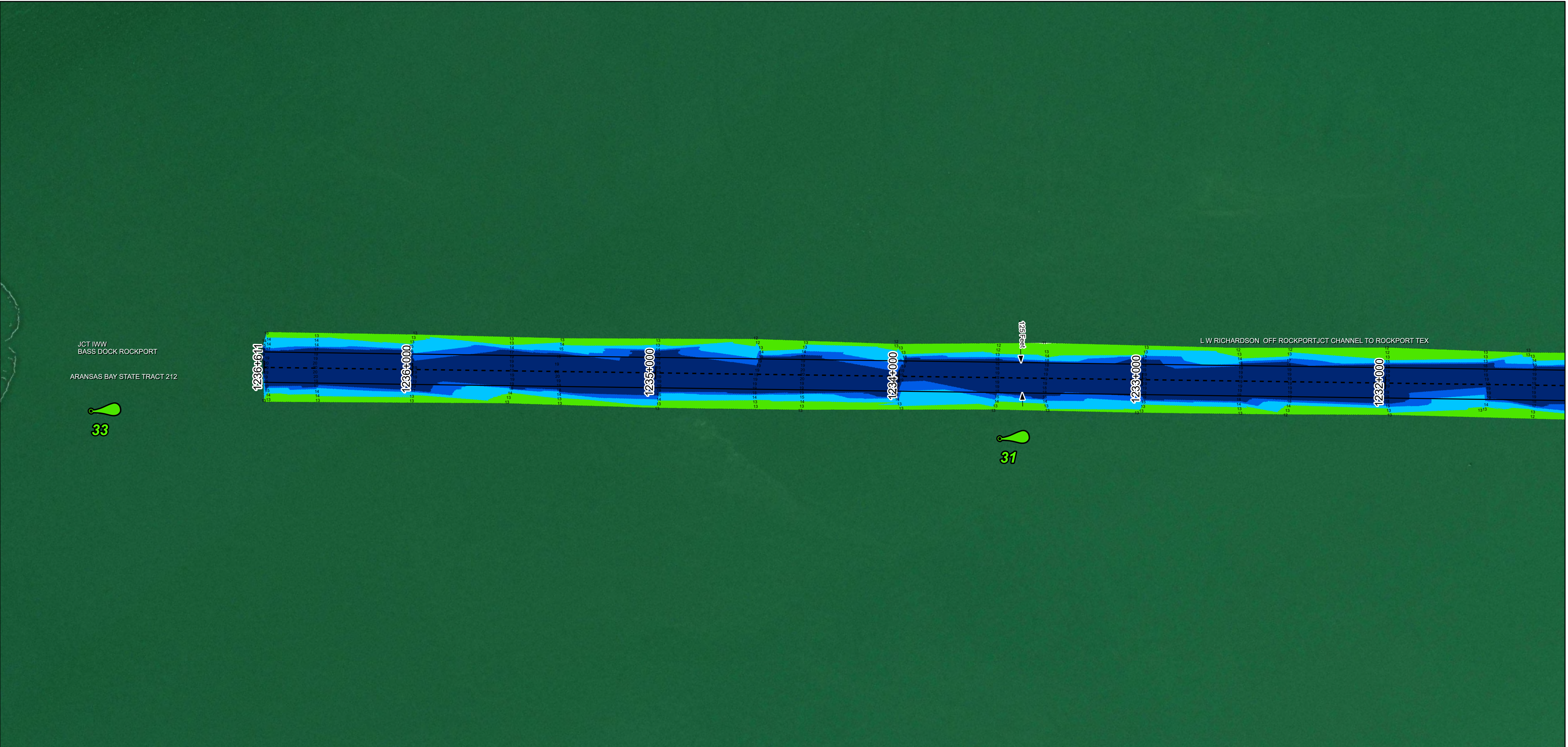
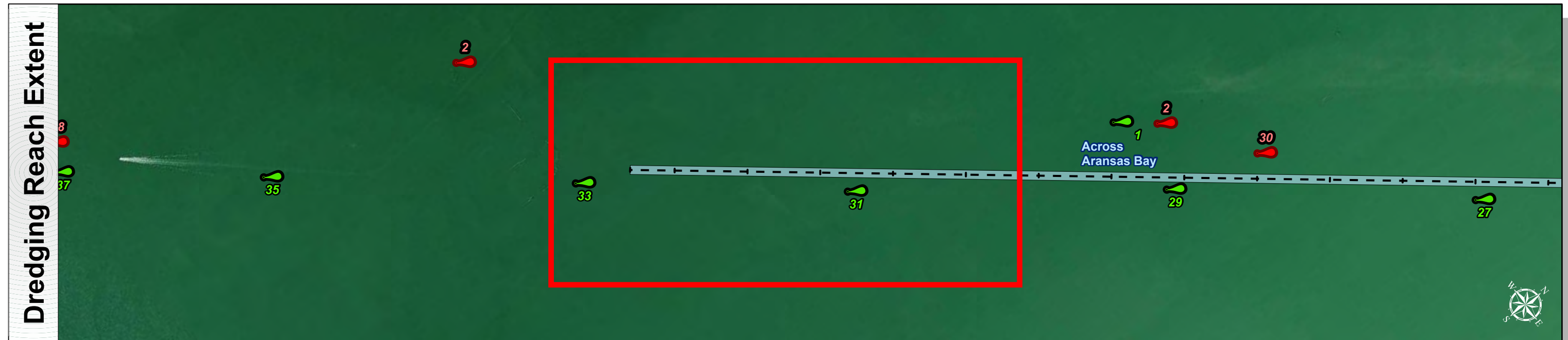
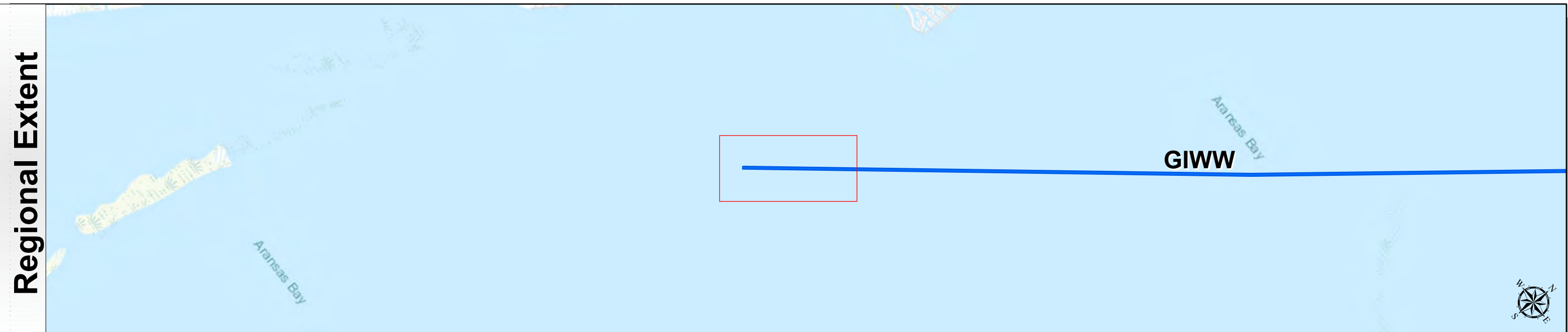
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 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 GALVESTON, TEXAS

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Gulf Intracoastal Waterway: Across Aransas Bay



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 11 May 2023	Authorized Depth: -14ft.
Document Page: 12 of 12	Side Slope Ratio: (Rise : Run)
Scale: 1":2,400	PDF Print Date: 5/15/2023
Mapped by: M3AOXPAC	
Additional Imagery info:	



Channel Features	Aids to Navigation
Channel Center Line	Green Side Aids
Channel Toe	Red Side Aids
Channel Station Lines	Lights
Channel Dimensions	

NOTES:
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Additional Combined Survey Dates and Stationing:
 COMB_SURV_INFO_HERE

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet Projection: Lambert Conformal Conic	
Dredging Reach Extent	
0	0.25 0.5 1
Miles	
Hydrographic Survey Extent	
0	205 410 820
Feet	

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