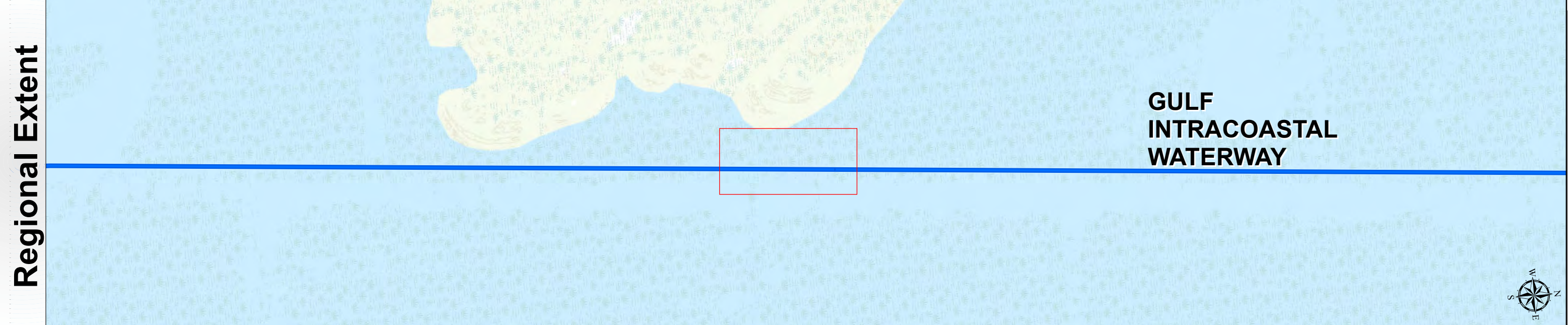


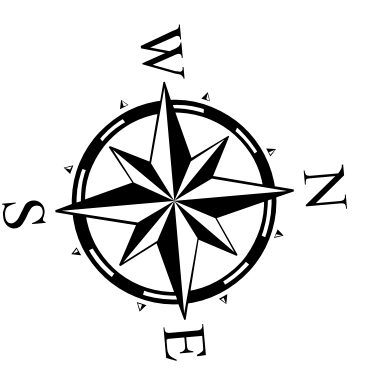
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 1 of 30	Side Slope Ratio: (Rise : Run)
Scale: 1"=2,000'	PDF Print Date: 3/8/2023
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

LWD

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 low water depth (LWD) 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 209.225
- For the most up to date information please check our website at: <http://www.usace.army.mil/Missions/Navigation/HydrographicSurveys/>

Service Layer Credits: World Topographic Map, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, NGA, EPA, USDA
World 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 FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent

0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent

0 170 340 680 Feet

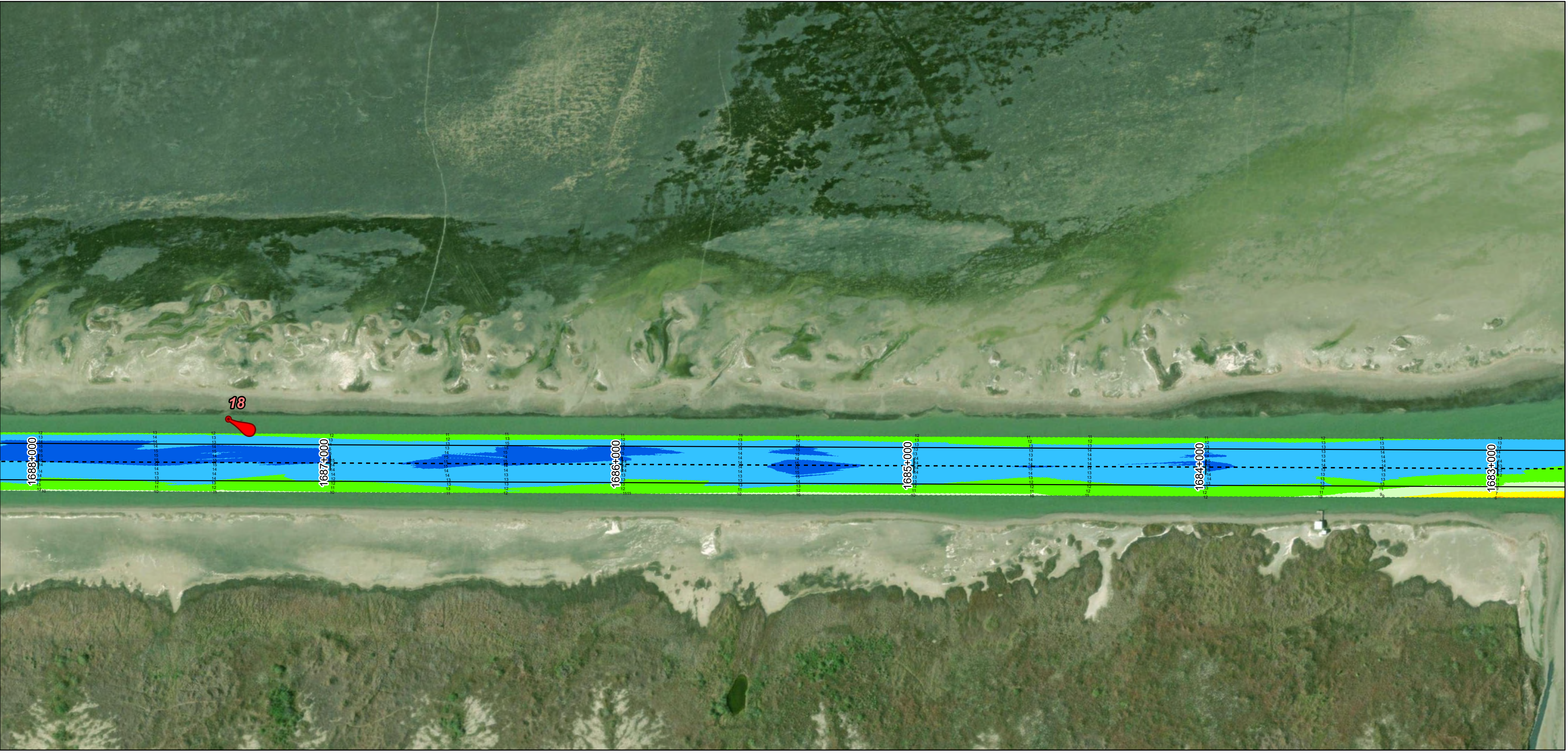
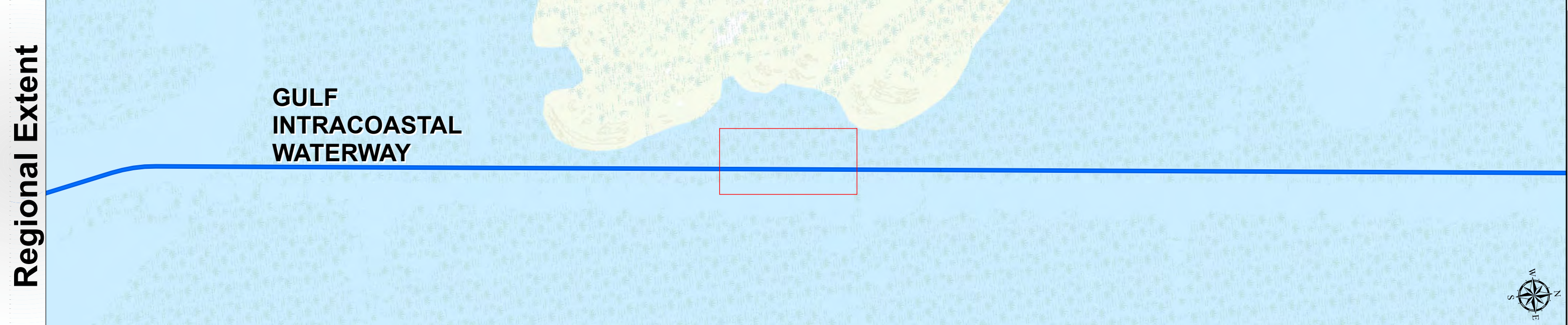
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

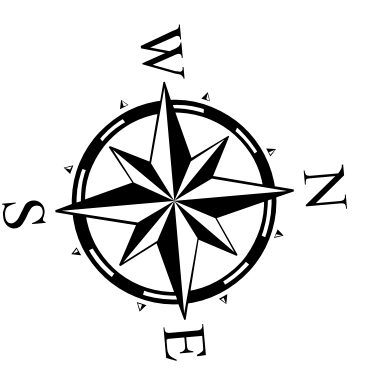
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 2 of 30	Side Slope Ratio: (Rise : Run)
Scale: 1"=2,000'	PDF Print Date: 3/8/2023
Website Index Number: 271	
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

LWD

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 low water depth (LWD) 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 er1105-g152.
- 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 FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent

0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent

0 170 340 680 Feet

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

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

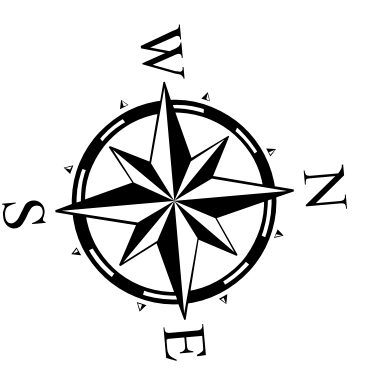
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 3 of 30	Side Slope Ratio: (Rise : Run)
Scale: 1"=2,000'	PDF Print Date: 3/8/2023
Website Index Number: 272	
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

LWD

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 low water depth (LWD) datum.
- This project was designed by 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 119.41-41.52.
- 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 209.225.
- 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 FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent

Hydrographic Survey Extent

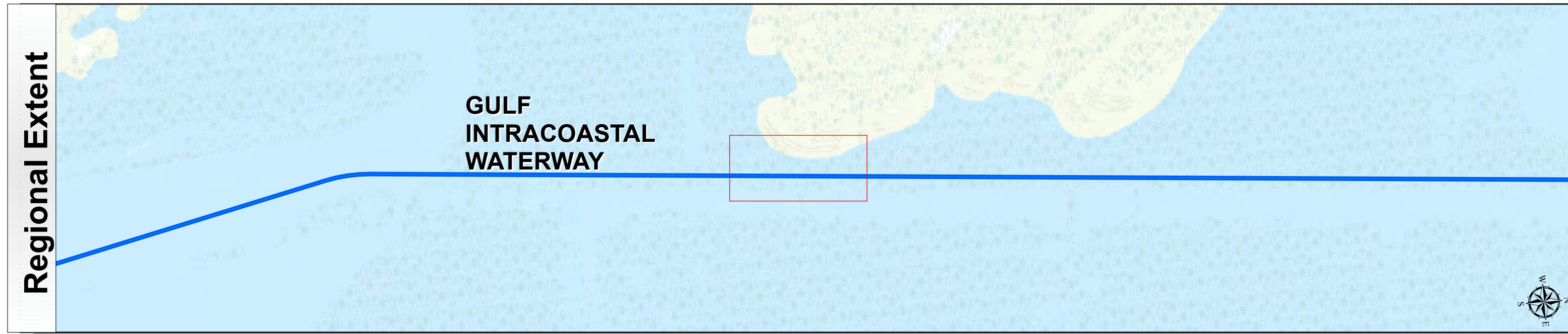
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

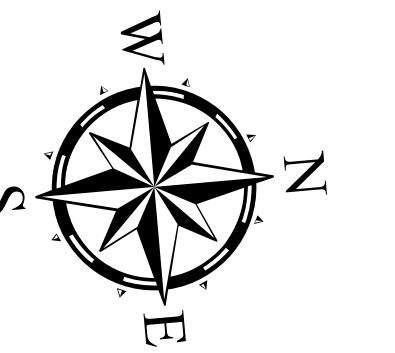
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 4 of 30	Side Slope Ratio: (Rise : Run)
Scale: 1"=2,000'	PDF Print Date: 3/8/2023
Website Index Number: 273	
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

LWD

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

NOTES:

- Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
- Elevations are referenced to low water depth (LWD) 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 119.41-41.52.
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- For the most up to date information please check our website at: <http://www.svg.usace.army.mil/Missions/Navigation/HydrographicSurveys/>

Service Layer Credits: World Topographic Map, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, NGA, EPA, USDA, World 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 FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent

0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent

0 170 340 680 Feet

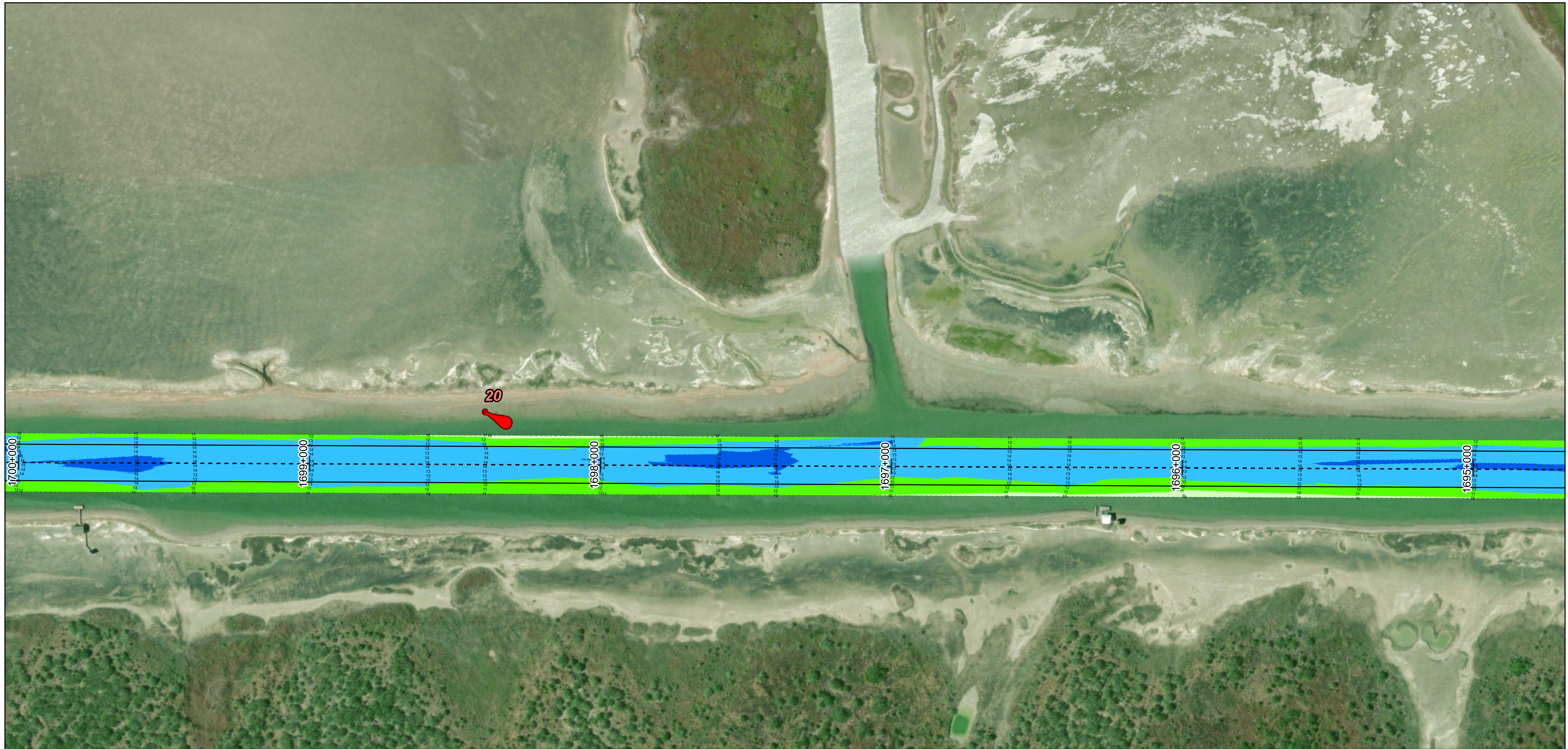
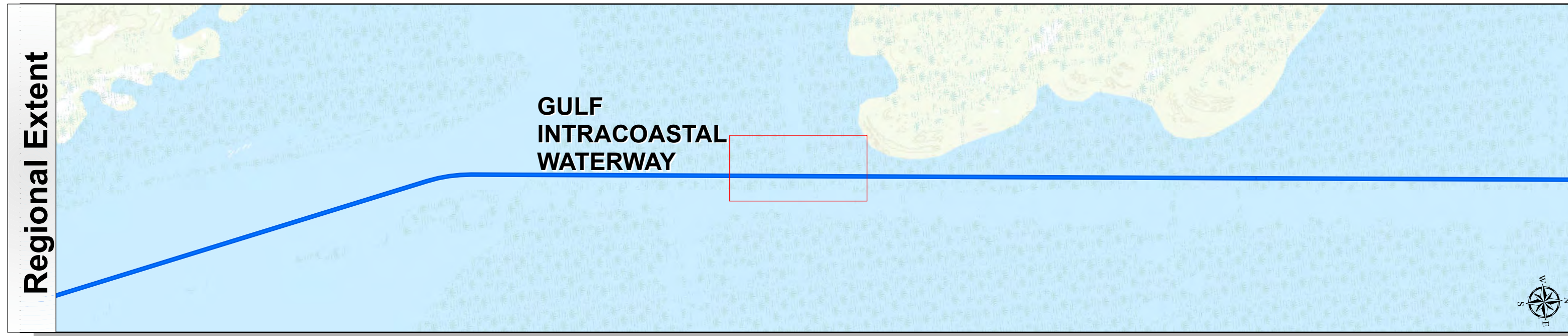
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

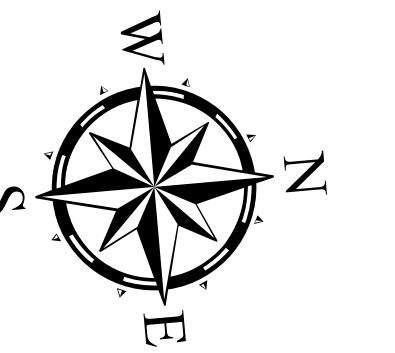
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 5 of 30	Side Slope Ratio: (Rise : Run)
Scale: 1"=2,000'	PDF Print Date: 3/8/2023
Website Index Number: 274	
Mapped by: M3AOXPAC	
Additional Imagery info:	



Channel Features	Aids to Navigation	LWD
--- Channel Center Line	Green Side Aids	0 - 3
— Channel Toe	Red Side Aids	3 - 5
— Channel Station Lines	Lights	5 - 7
↔ Channel Dimensions		7 - 9
		9 - 11
		11 - 13
		13 - 15
		15 - 17
		< 17

NOTES:

- Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
- Elevations are referenced to low water depth (LWD) 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 111.01-0152.
- 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 209.225
- 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 FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent

0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent

0 170 340 680 Feet

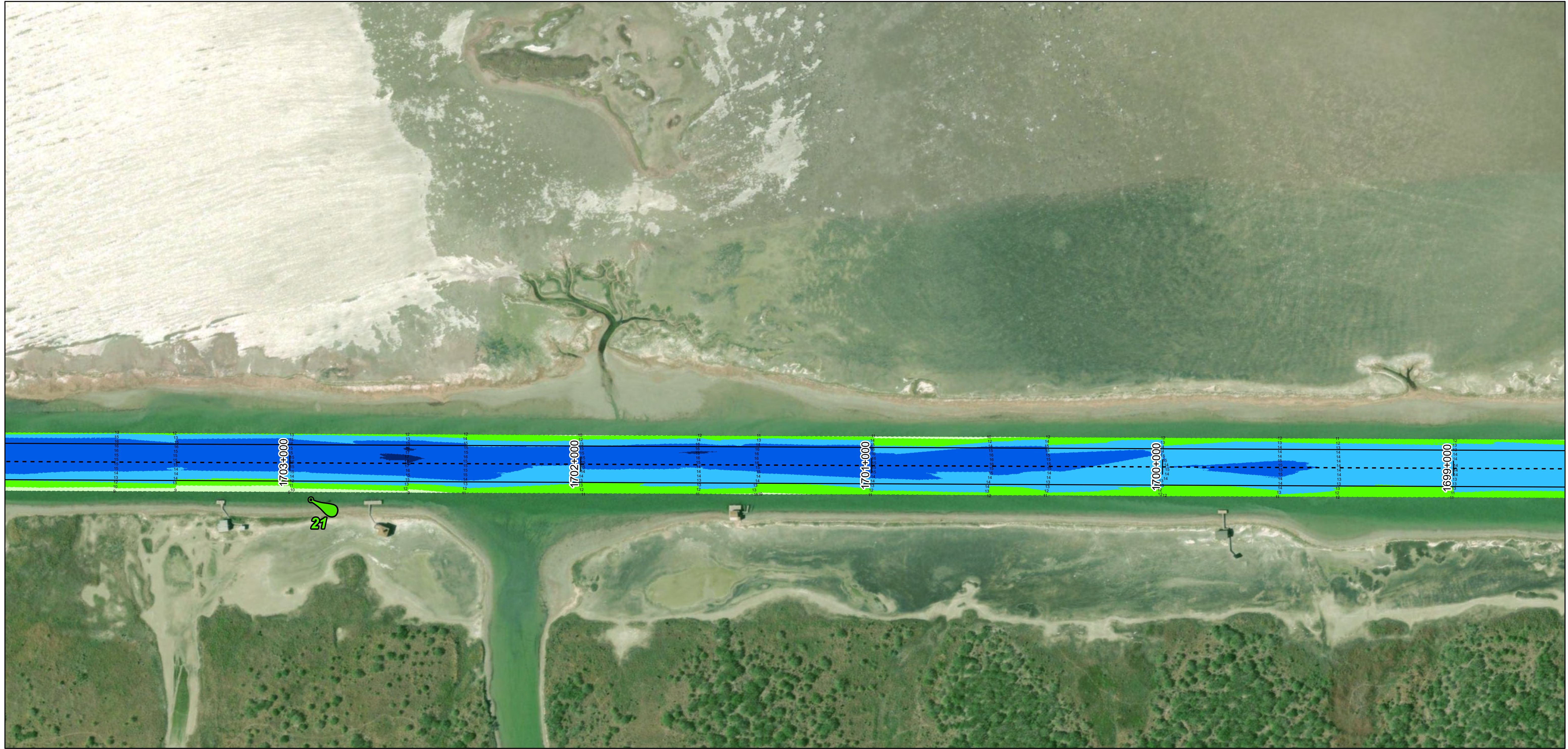
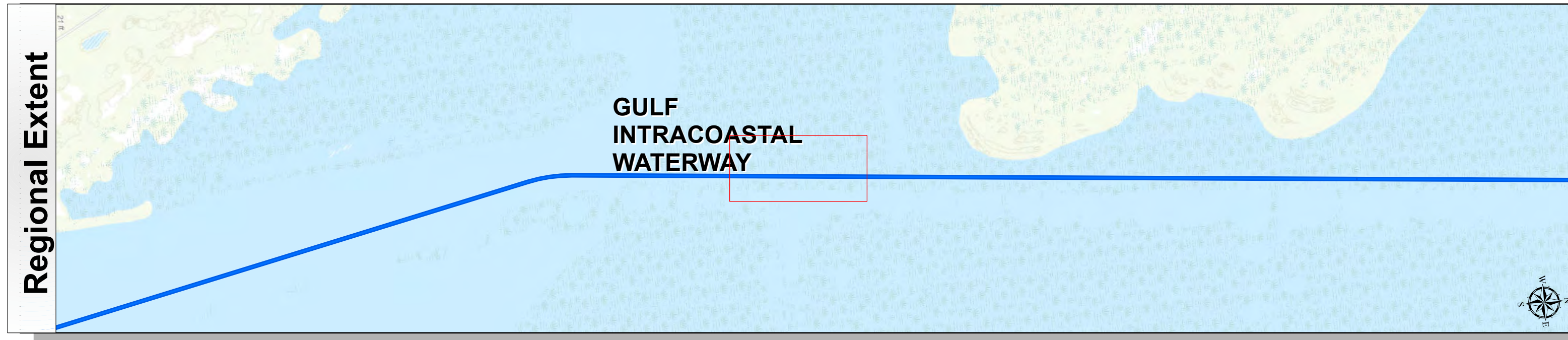
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

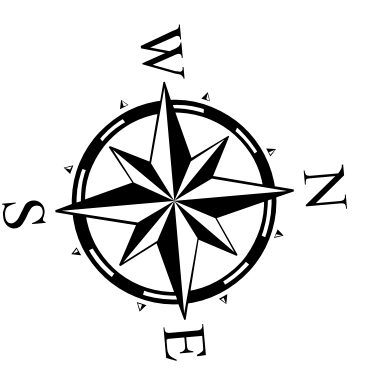
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 6 of 30	Side Slope Ratio: (Rise : Run)
Scale: 1"=2,000'	PDF Print Date: 3/8/2023
Mapped by: M3AOXPAC	
Website Index Number: 275	
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

LWD

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 low water depth (LWD) 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 110.1-8152.
- 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 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 FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent

0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent

0 170 340 680 Feet

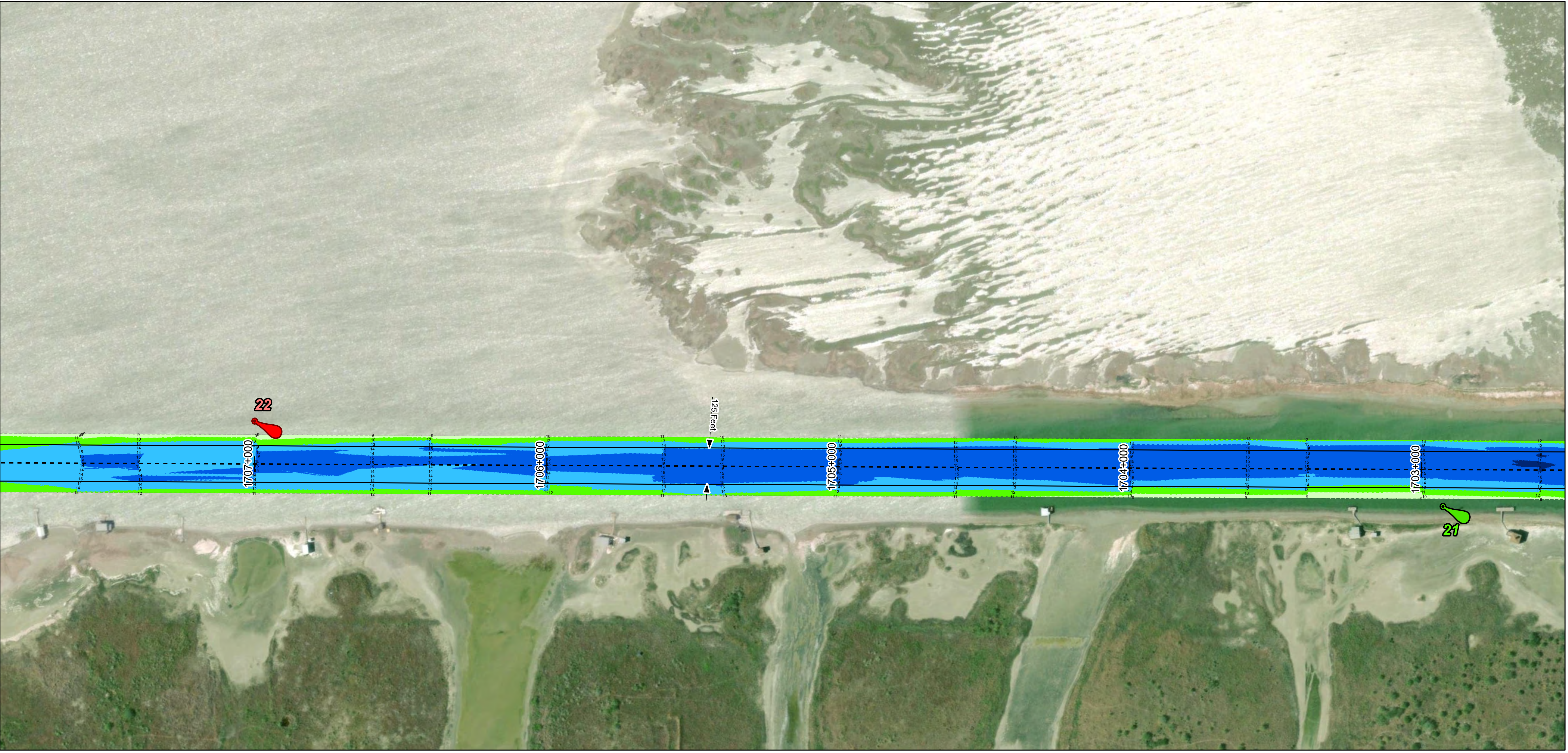
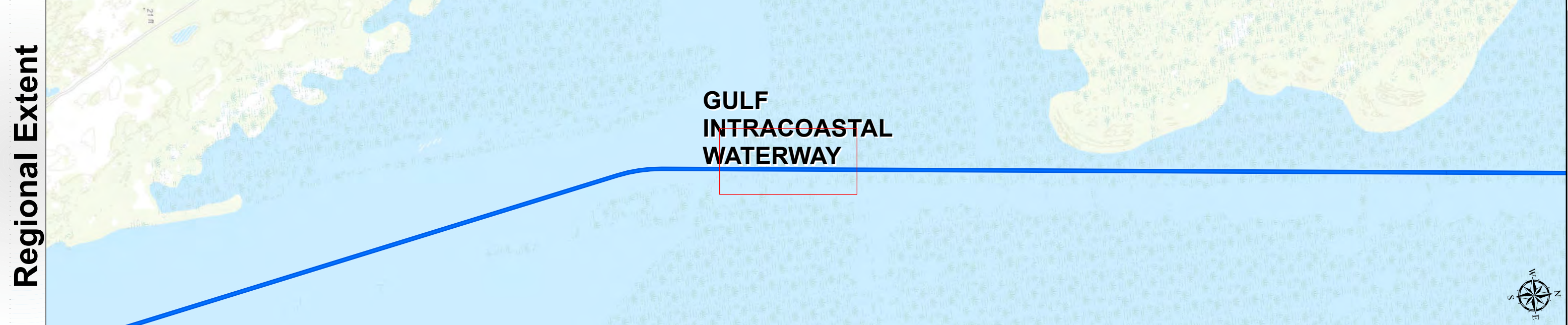
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

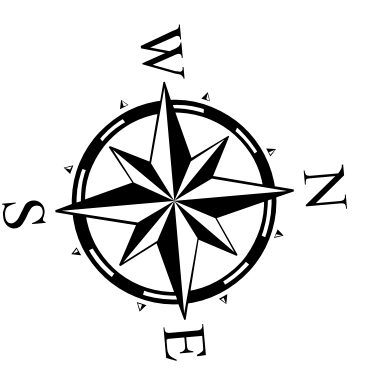
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 7 of 30	Side Slope Ratio: (Rise : Run)
Scale: 1"=2,000'	PDF Print Date: 3/8/2023
Website Index Number: 276	
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

LWD

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 low water depth (LWD) 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 er1109-d152.
- 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 209.225
- 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 FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent

Hydrographic Survey Extent

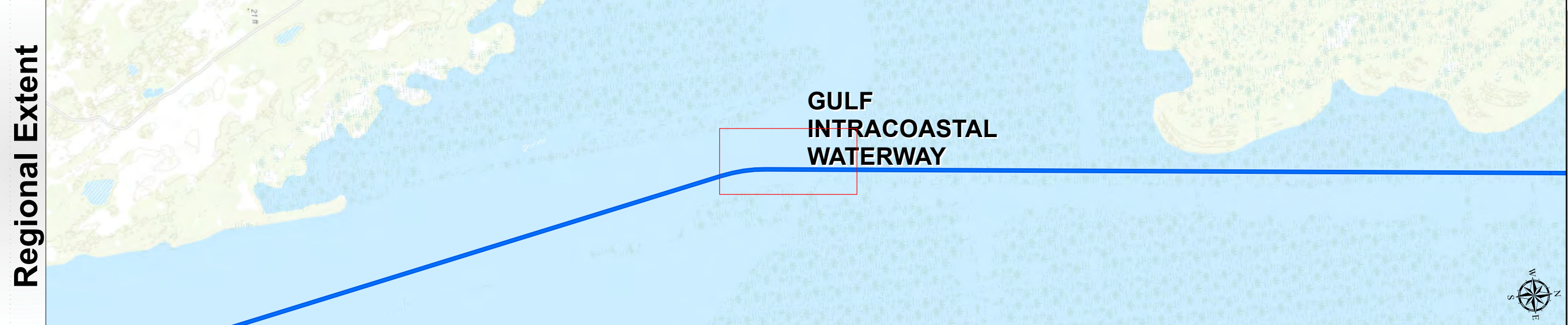
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

LWD

0-3	3-5	5-7	7-9	9-11	11-13	13-15	15-17	<17
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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 low water depth (LWD) 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 110.41-110.4152.
- 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 209.225.
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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

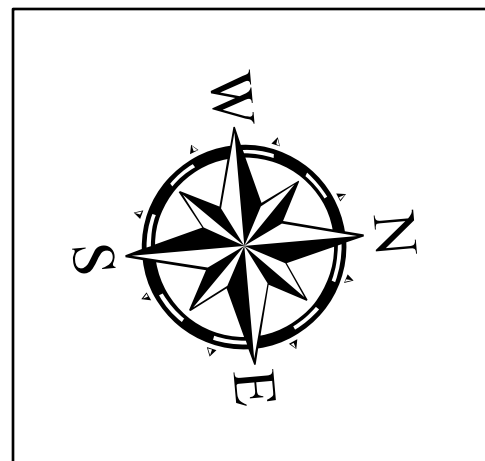
Additional Combined Survey Dates and Stationing:
COMB_SURV_INFO_HERE

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

Dredging Reach Extent

Hydrographic Survey Extent

Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 8 of 30	Side Slope Ratio: (Rise : Run)
Scale: 1:2,000	PDF Print Date: 3/8/2023
Mapped by: M3AOXPAC	
Additional Imagery info:	
Website Index Number: 277	



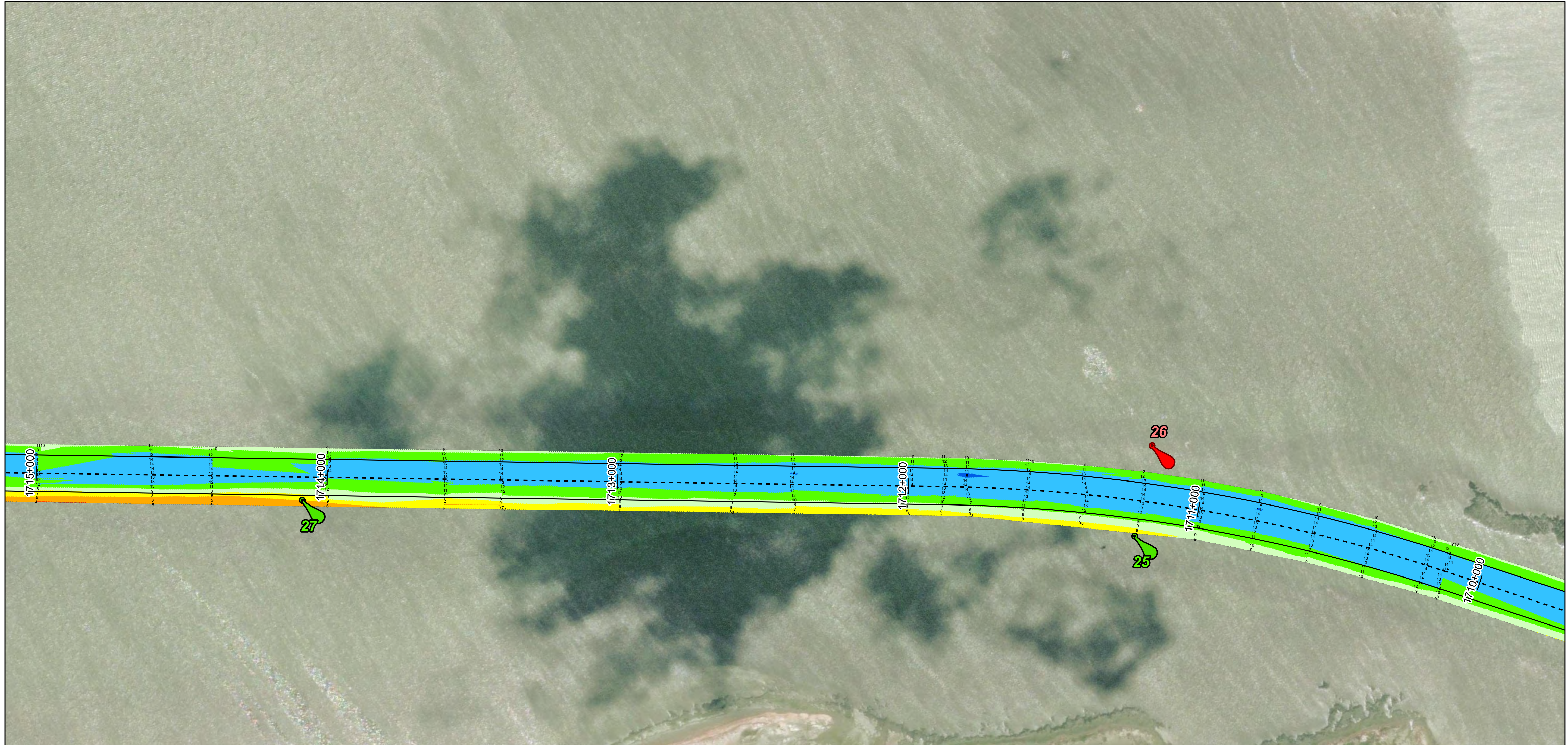
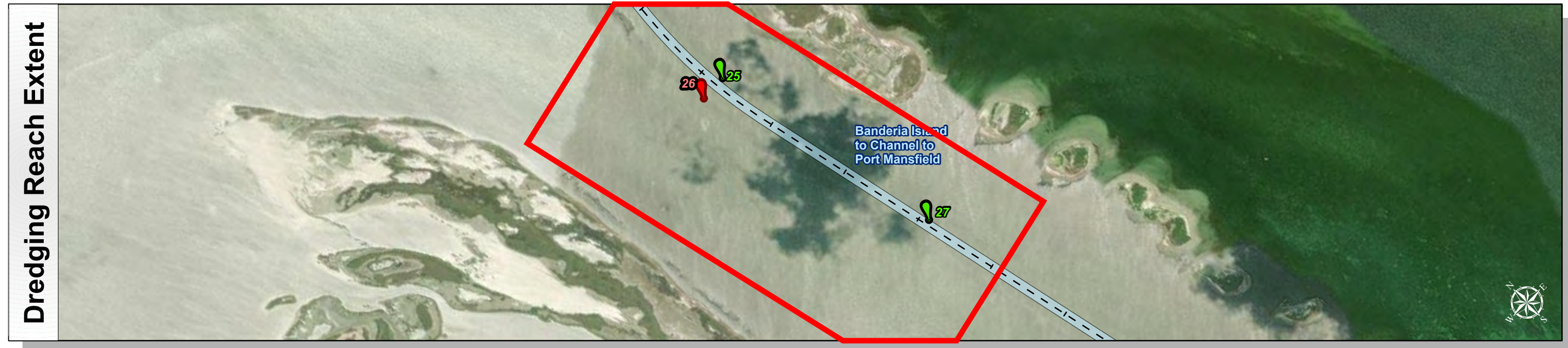
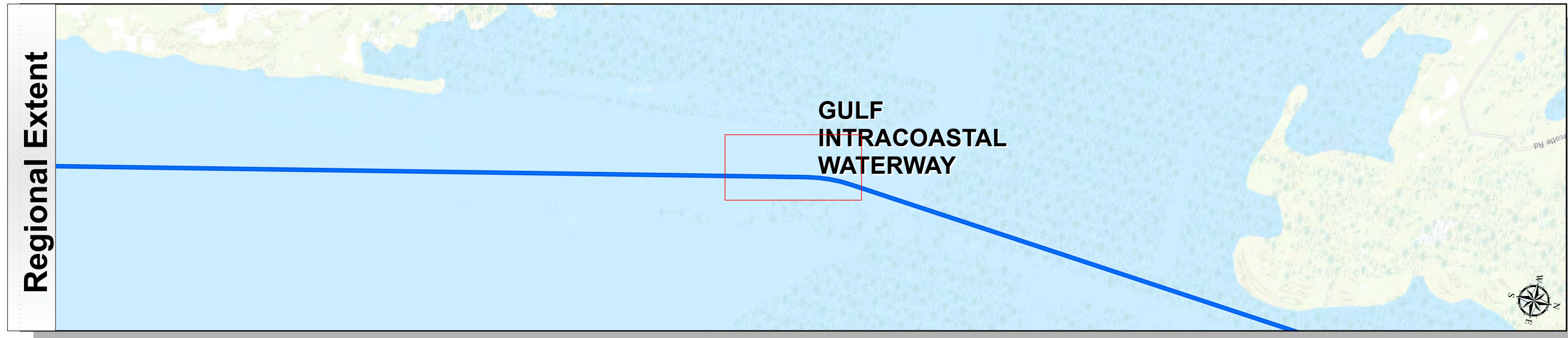
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

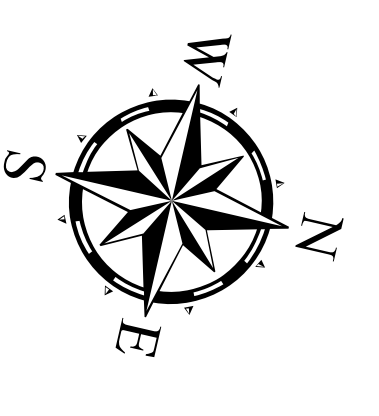
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 9 of 30	Side Slope Ratio: (Rise : Run)
Scale: 1:2,000	Website Index Number: 278
Mapped by: M3AOXPAC	PDF Print Date: 3/8/2023
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

LWD

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 low water depth (LWD) 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 110.1-8152.
- 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 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 FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent

0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent

0 170 340 680 Feet

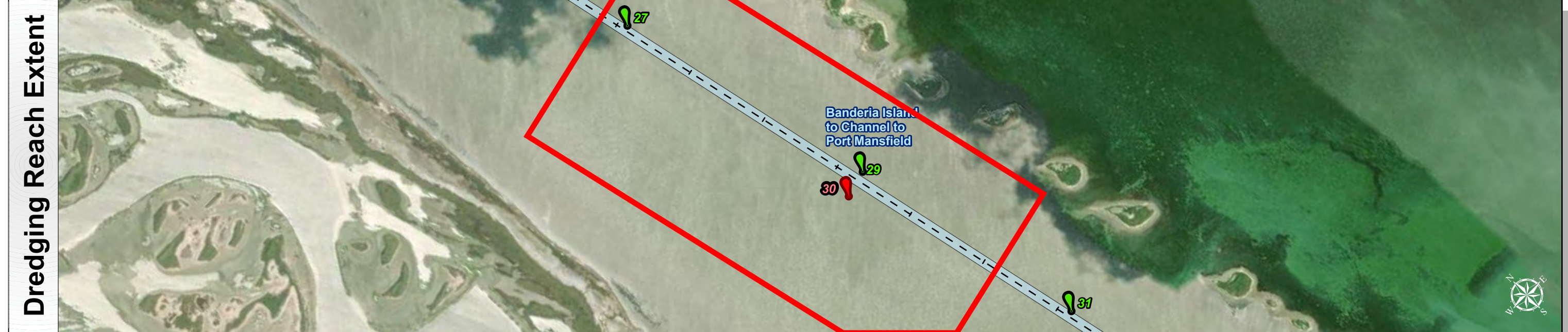
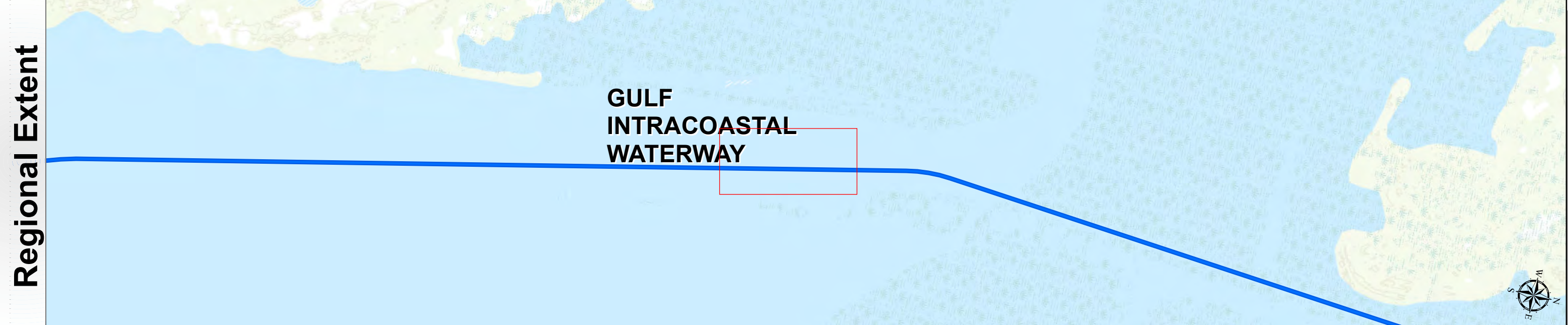
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

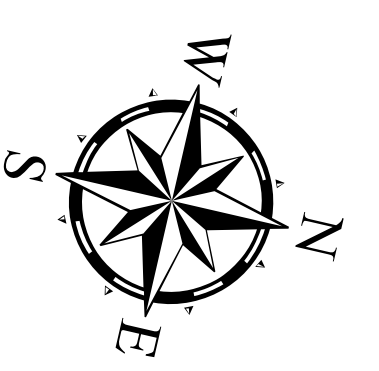
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 10 of 30	Side Slope Ratio: (Rise : Run)
Scale: 1"=2,000'	PDF Print Date: 3/8/2023
Website Index Number: 279	
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

LWD

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 low water depth (LWD) datum.
- This project was designed by the galveston district of the u.s. army corps of engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by er1110-6152.
- 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 FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent

0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent

0 170 340 680 Feet

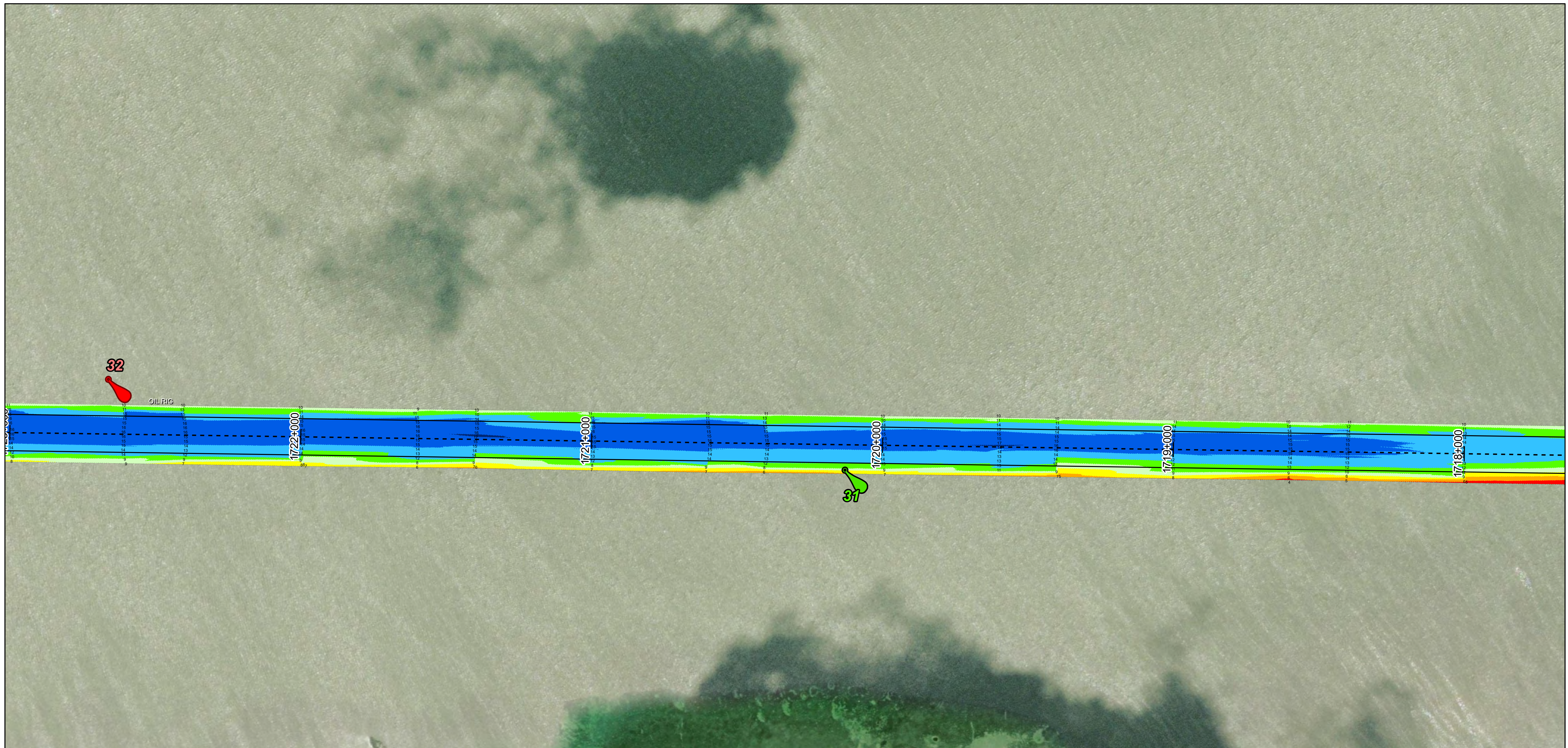
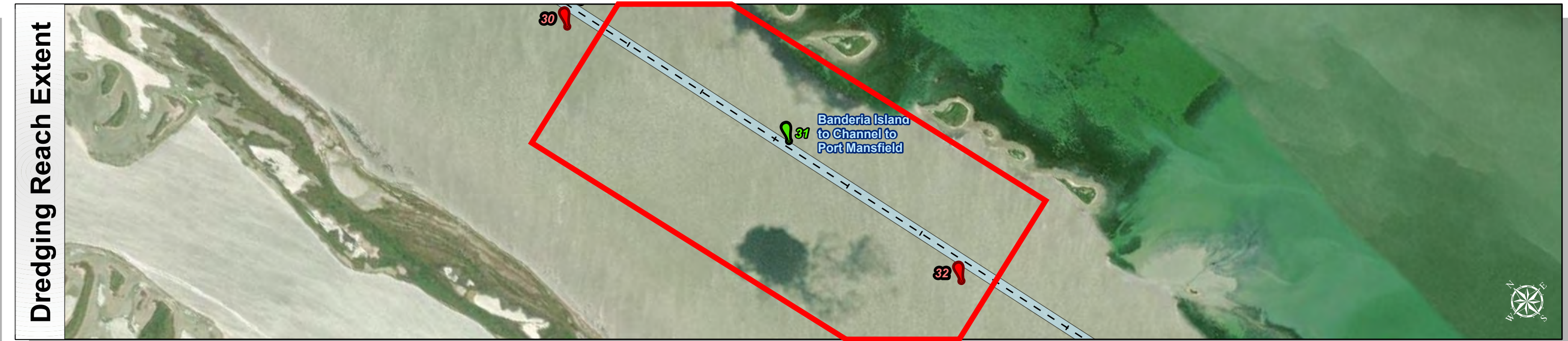
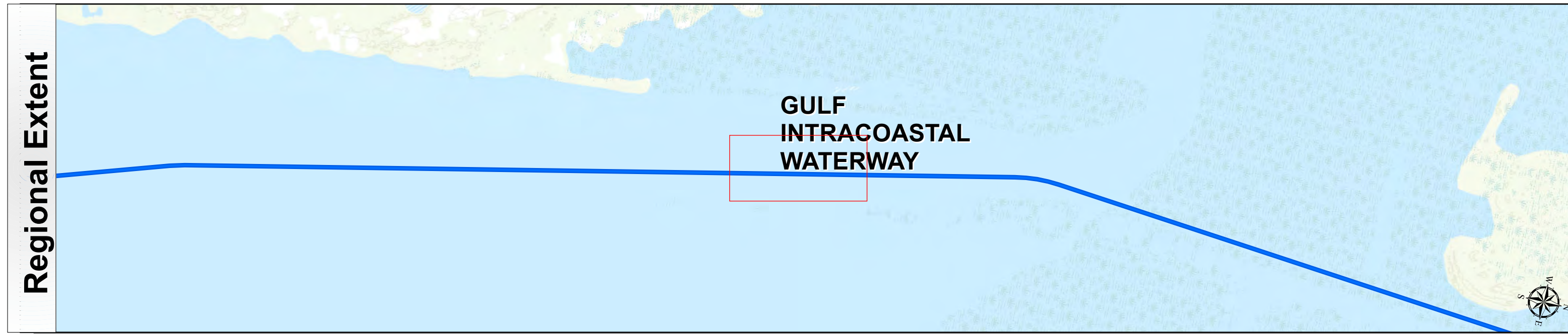
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

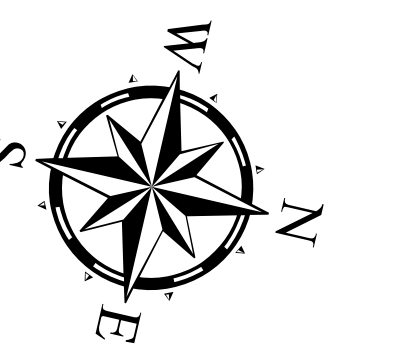
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 11 of 30	Side Slope Ratio: (Rise : Run)
Scale: 1"=2,000'	PDF Print Date: 3/8/2023
Website Index Number: 280	
Mapped by: M3AOXPAC	
Additional Imagery info:	



Channel Features	Aids to Navigation	LWD
--- Channel Center Line	Green Side Aids	0 - 3
— Channel Toe	Red Side Aids	3 - 5
— Channel Station Lines	Lights	5 - 7
↔ Channel Dimensions		7 - 9
		9 - 11
		11 - 13
		13 - 15
		15 - 17
		< 17

NOTES:

- Horizontal coordinates are referenced to texas state plane coordinate system, south central zone nad83 us survey feet.
- Elevations are referenced to low water depth (LWD) 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 er1105-d152.
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- For the most up to date information please check our website at: <http://www.svg.usace.army.mil/Missions/Navigation/HydrographicSurveys/>

Service Layer Credits: World Topographic Map, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, NGA, EPA, USDA
World 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 FIPS 4205 Feet Projection: Lambert Conformal Conic	
Dredging Reach Extent	
0	0.2 0.4 0.8 Miles
Hydrographic Survey Extent	
0	170 340 680 Feet

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

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

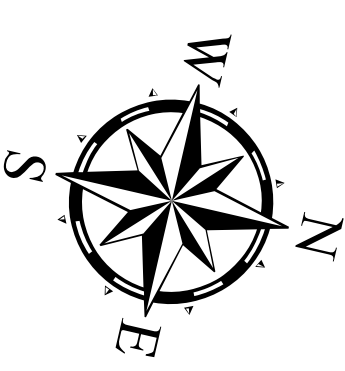
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 12 of 30	Side Slope Ratio: (Rise : Run)
Scale: 1"=2,000'	PDF Print Date: 3/8/2023
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

LWD

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

NOTES:

- Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
- Elevations are referenced to low water depth (LWD) 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 117.11-11.12.
- 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
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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 FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent

0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent

0 170 340 680 Feet

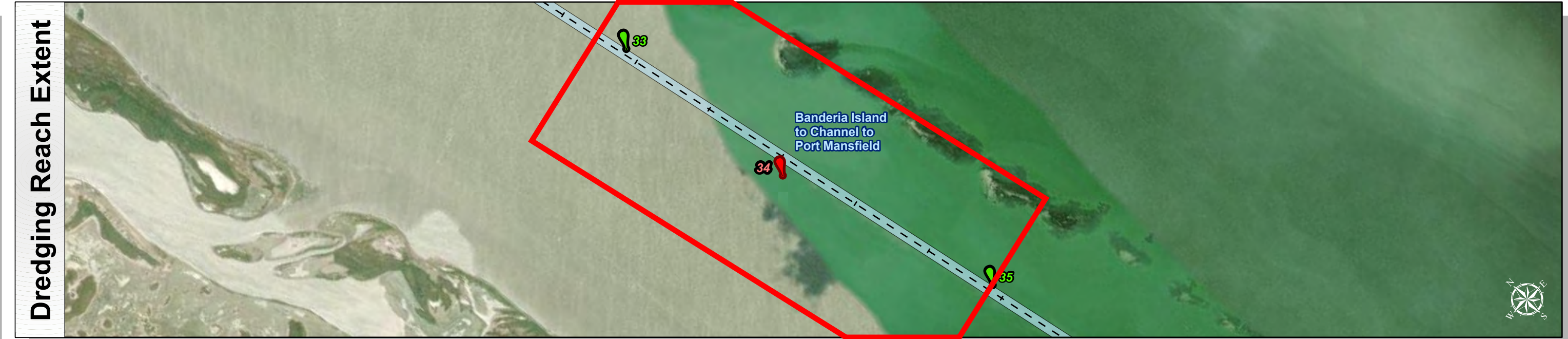
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

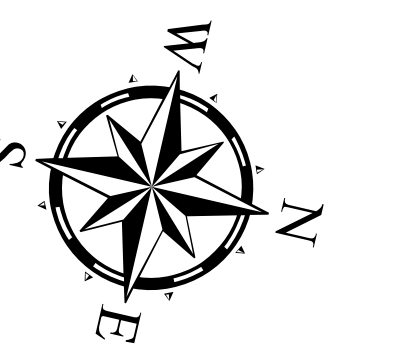
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 13 of 30	Side Slope Ratio: (Rise : Run)
Scale: 1"=2,000'	PDF Print Date: 3/8/2023
Mapped by: M3AOXPAC	
Additional Imagery info:	
Website Index Number: 282	



Channel Features	Aids to Navigation	LWD
--- Channel Center Line	Green Side Aids	0 - 3
— Channel Toe	Red Side Aids	3 - 5
— Channel Station Lines	Lights	5 - 7
↔ Channel Dimensions		7 - 9
		9 - 11
		11 - 13
		13 - 15
		15 - 17
		< 17

NOTES:

- Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
- Elevations are referenced to low water depth (LWD) 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 110.41-152.
- 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/>

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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 FIPS 4205 Feet Projection: Lambert Conformal Conic	
Dredging Reach Extent	
0	0.2 0.4 0.8 Miles
Hydrographic Survey Extent	
0	170 340 680 Feet

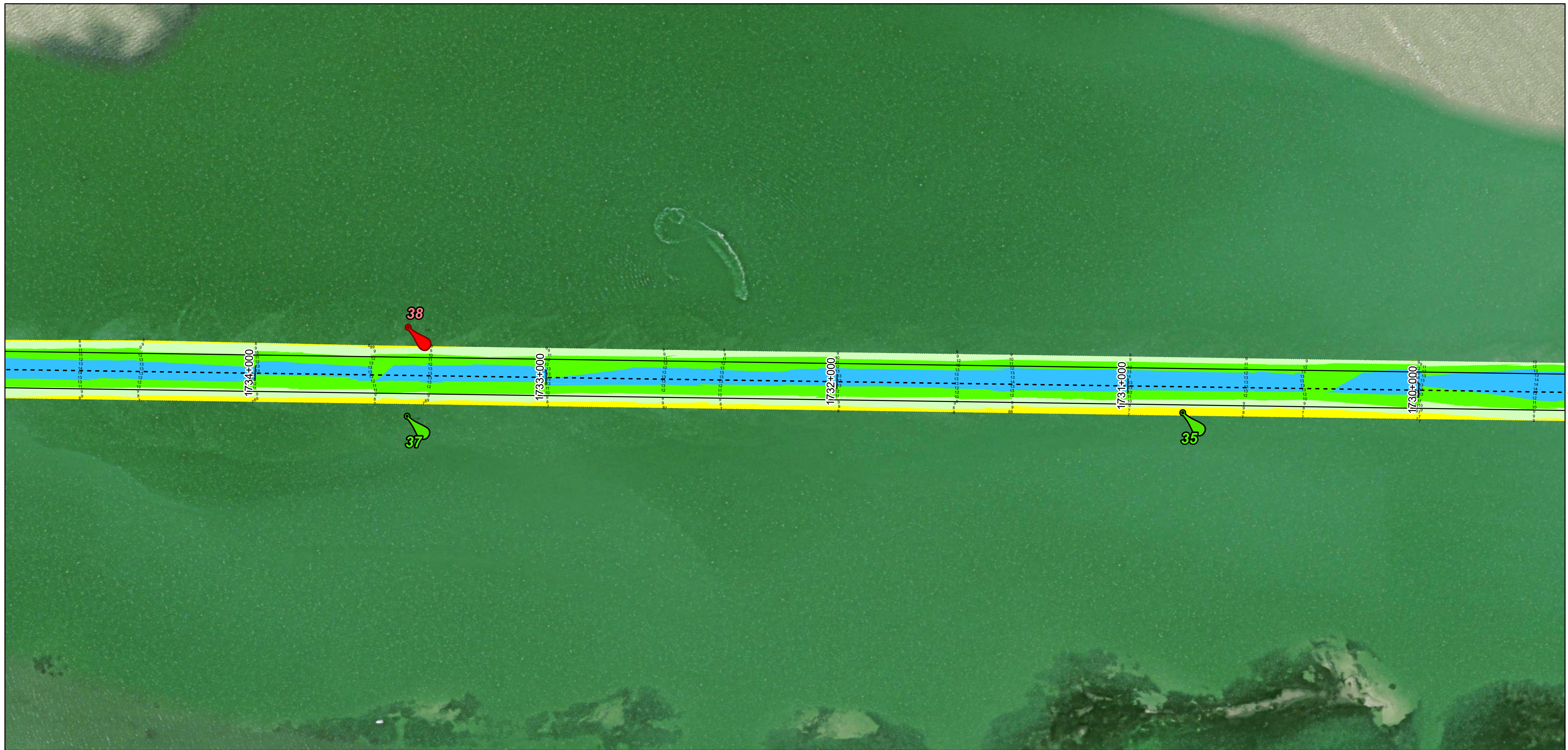
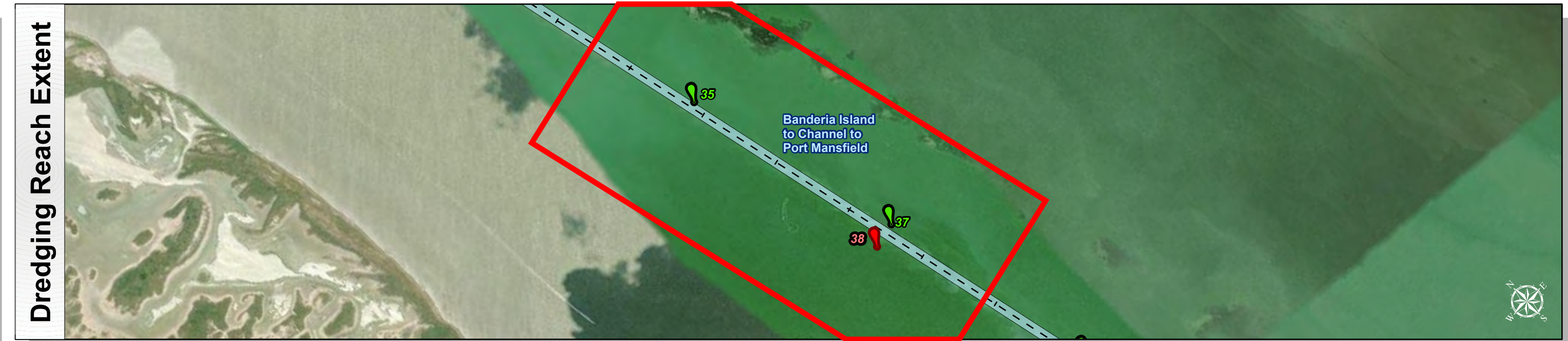
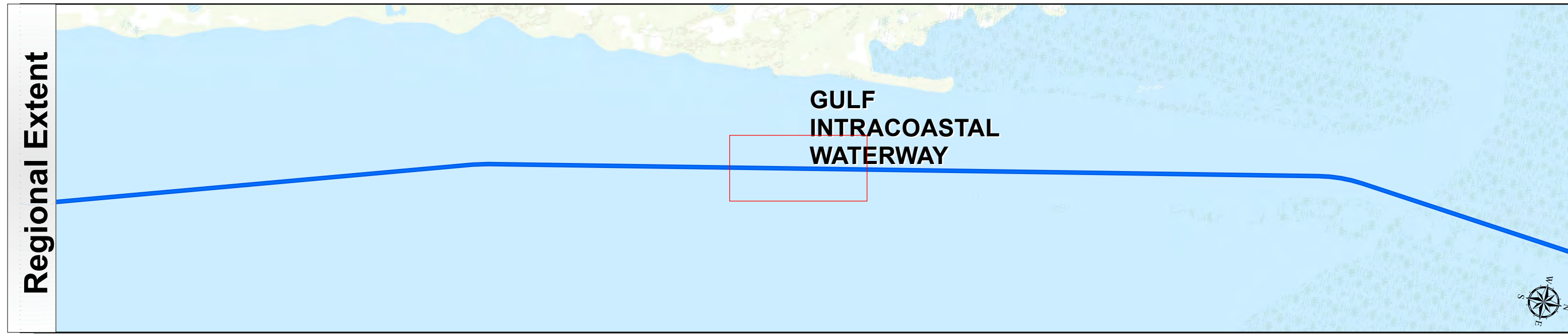
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

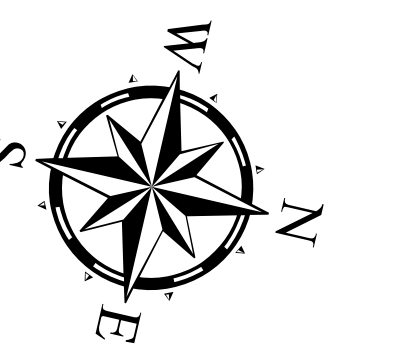
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 14 of 30	Side Slope Ratio: (Rise : Run)
Scale: 1:2,000	Website Index Number: 283
Mapped by: M3AOXPAC	PDF Print Date: 3/8/2023
Additional Imagery info:	



Channel Features	Aids to Navigation	LWD
--- 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 low water depth (LWD) datum.
 3. This project was designed by the galveston district of the u.s. army corps of engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by er110-4152.
 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, Microsof
 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 0.2 0.4 0.8 Miles

Hydrographic Survey Extent
 0 170 340 680 Feet

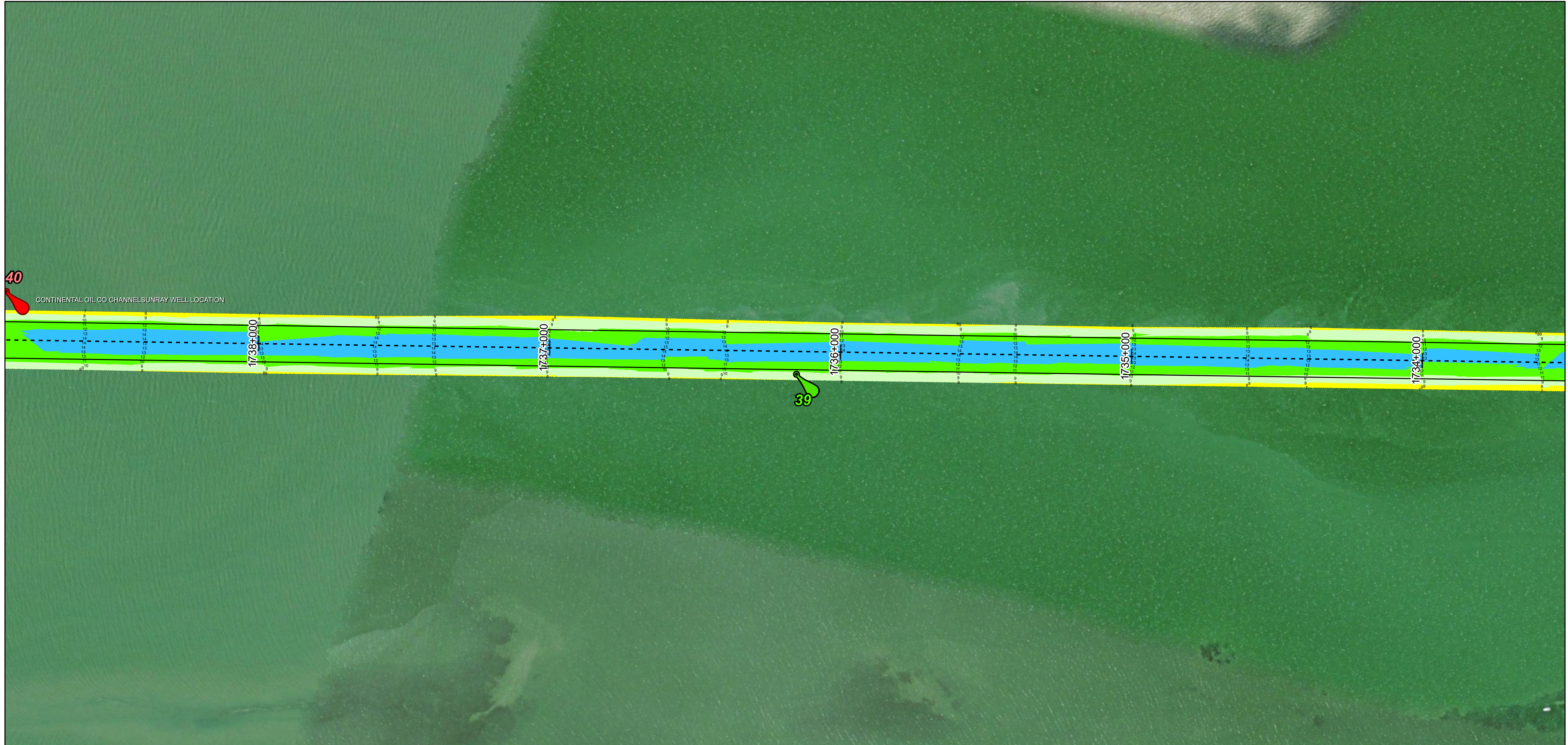
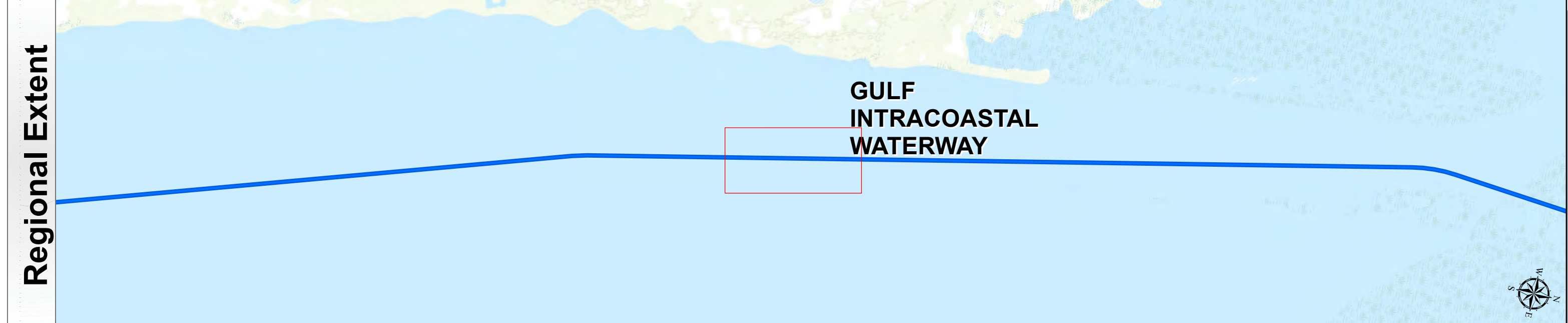
HYDROGRAPHIC SURVEY
 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
 Banderia Island to Channel to Port Mansfield

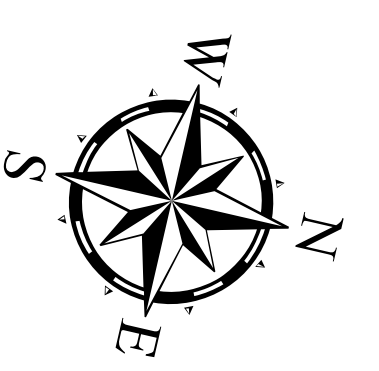
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 15 of 30	Side Slope Ratio: (Rise : Run)
Scale: 1:2,000	Website Index Number: 284
Mapped by: M3AOXPAC	PDF Print Date: 3/8/2023
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

LWD

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

NOTES:

- Horizontal coordinates are referenced to texas state plane coordinate system, south central zone nad83 us survey feet.
- Elevations are referenced to low water depth (LWD) 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, 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 FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent

0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent

0 170 340 680 Feet

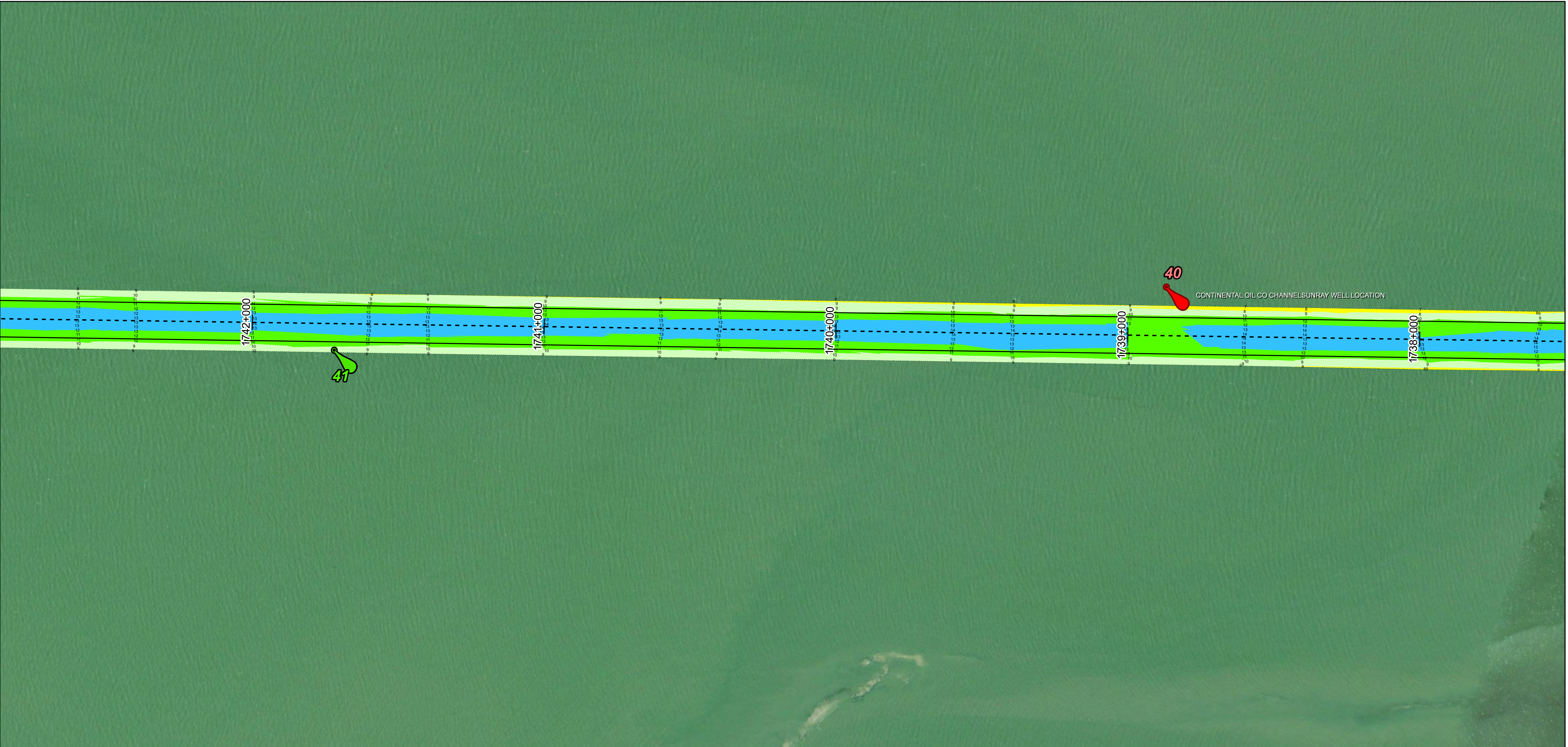
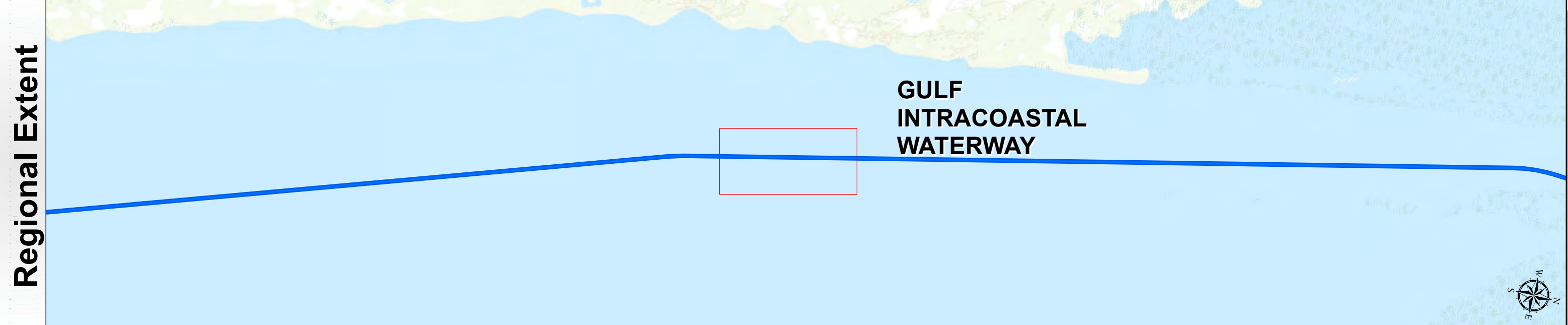
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

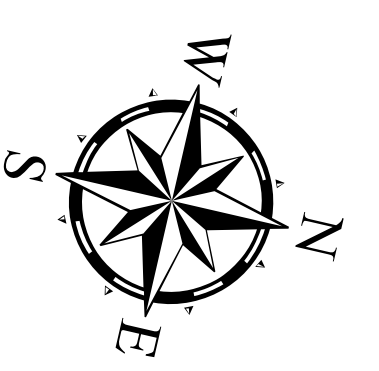
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 16 of 30	Side Slope Ratio: (Rise : Run)
Scale: 1:2,000	Website Index Number: 285
Mapped by: M3AOXPAC	PDF Print Date: 3/8/2023
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

LWD

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 low water depth (LWD) 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, 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 FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent

0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent

0 170 340 680 Feet

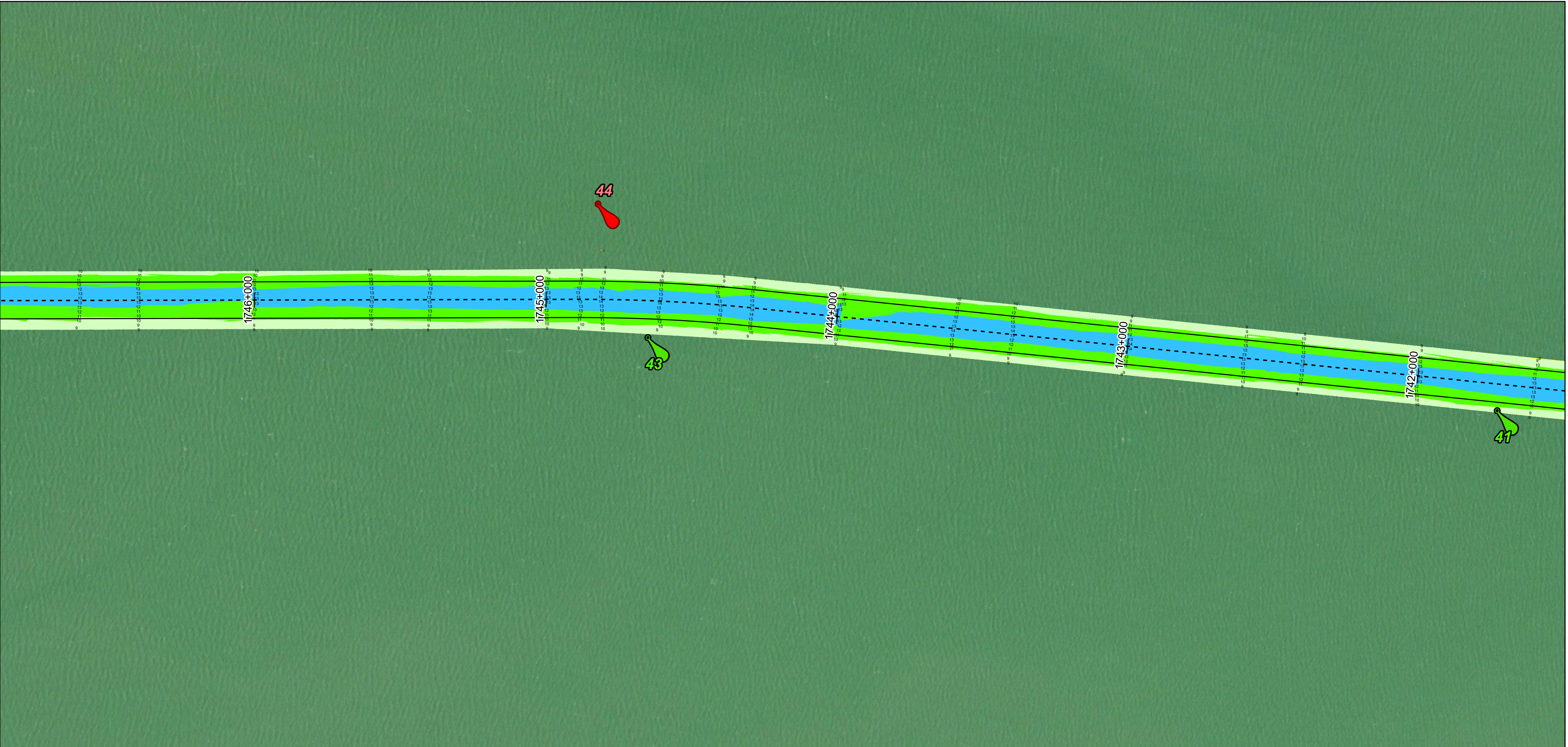
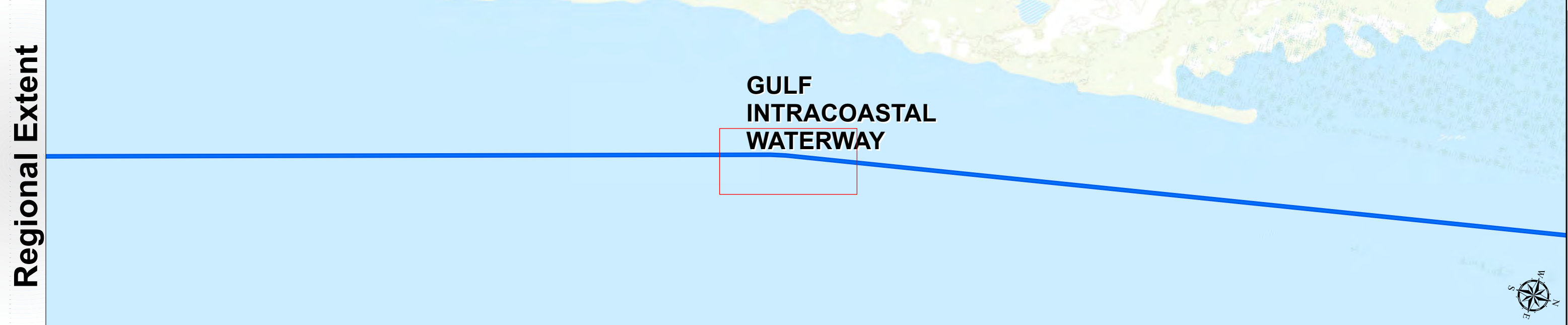
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

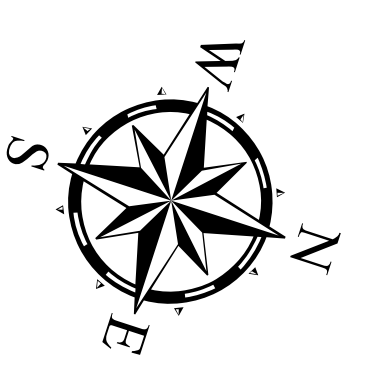
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 17 of 30	Side Slope Ratio: (Rise : Run)
Scale: 1:2,000	PDF Print Date: 3/8/2023
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

LWD

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

NOTES:

- Horizontal coordinates are referenced to texas state plane coordinate system, south central zone nad83 us survey feet.
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- For the most up to date information please check our website at: <http://www.svg.usace.army.mil/Missions/Navigation/HydrographicSurveys/>

Service Layer Credits: World Topographic Map, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, NGA, EPA, USDA
World 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 FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent

Hydrographic Survey Extent

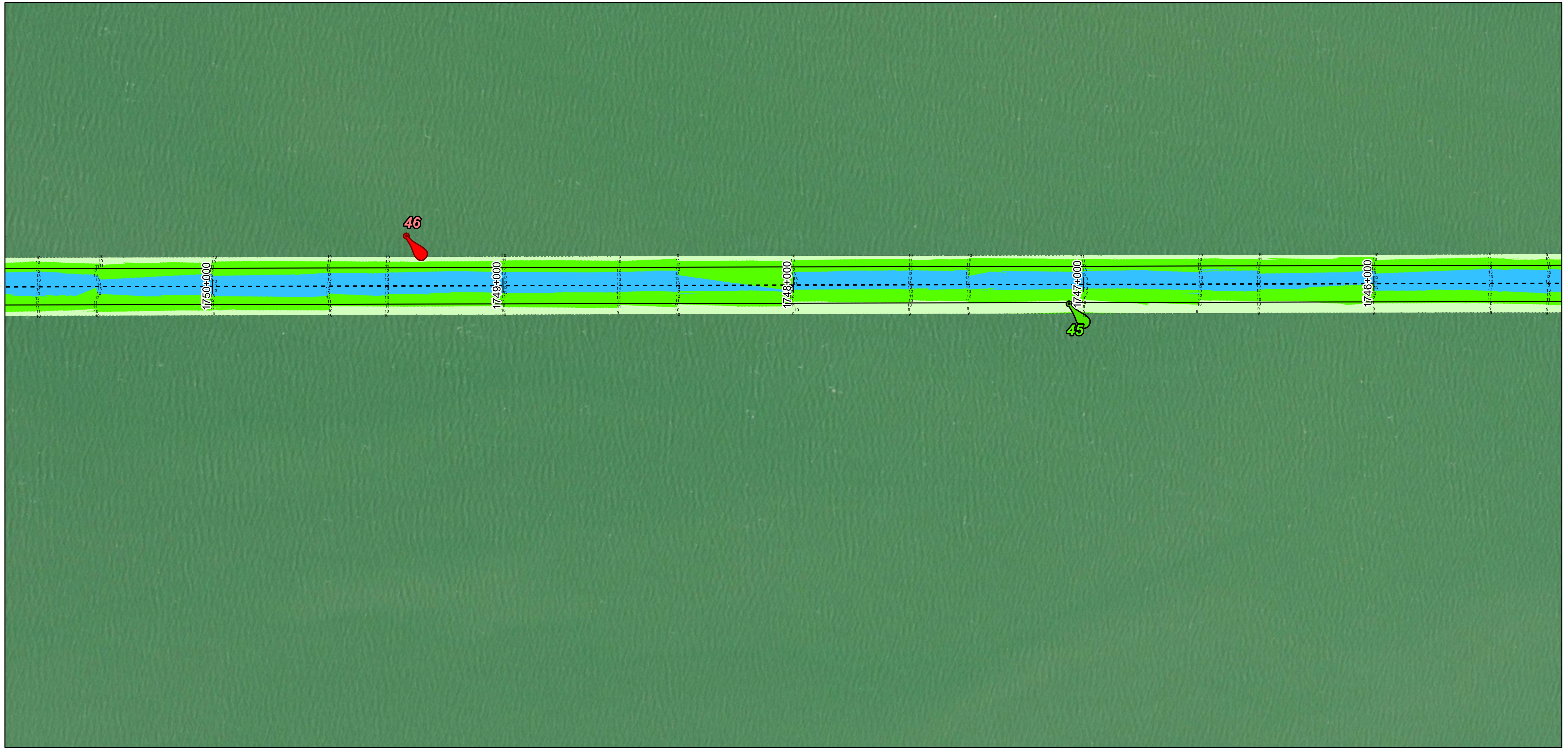
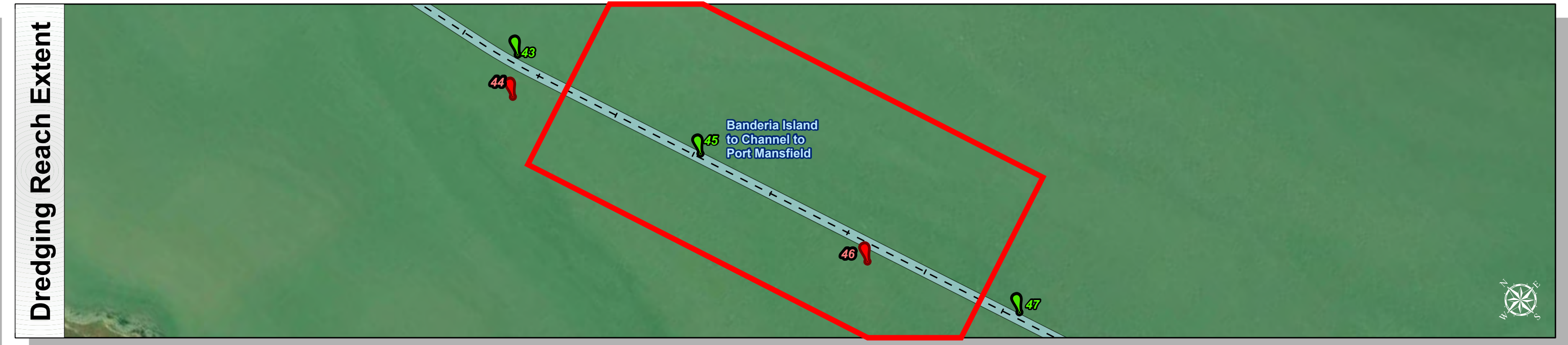
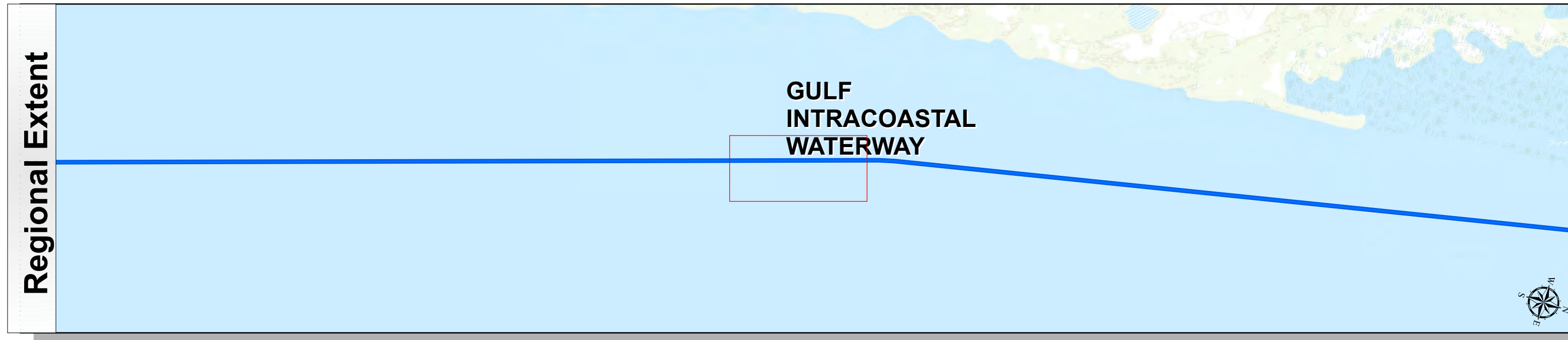
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

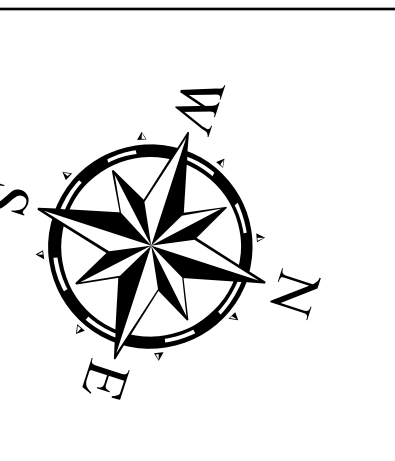
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 18 of 30	Side Slope Ratio: (Rise : Run)
Scale: 1:2,000	PDF Print Date: 3/8/2023
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

LWD

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 low water depth (LWD) 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 110.41-152.
- 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 209.225
- 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 FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent

0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent

0 170 340 680 Feet

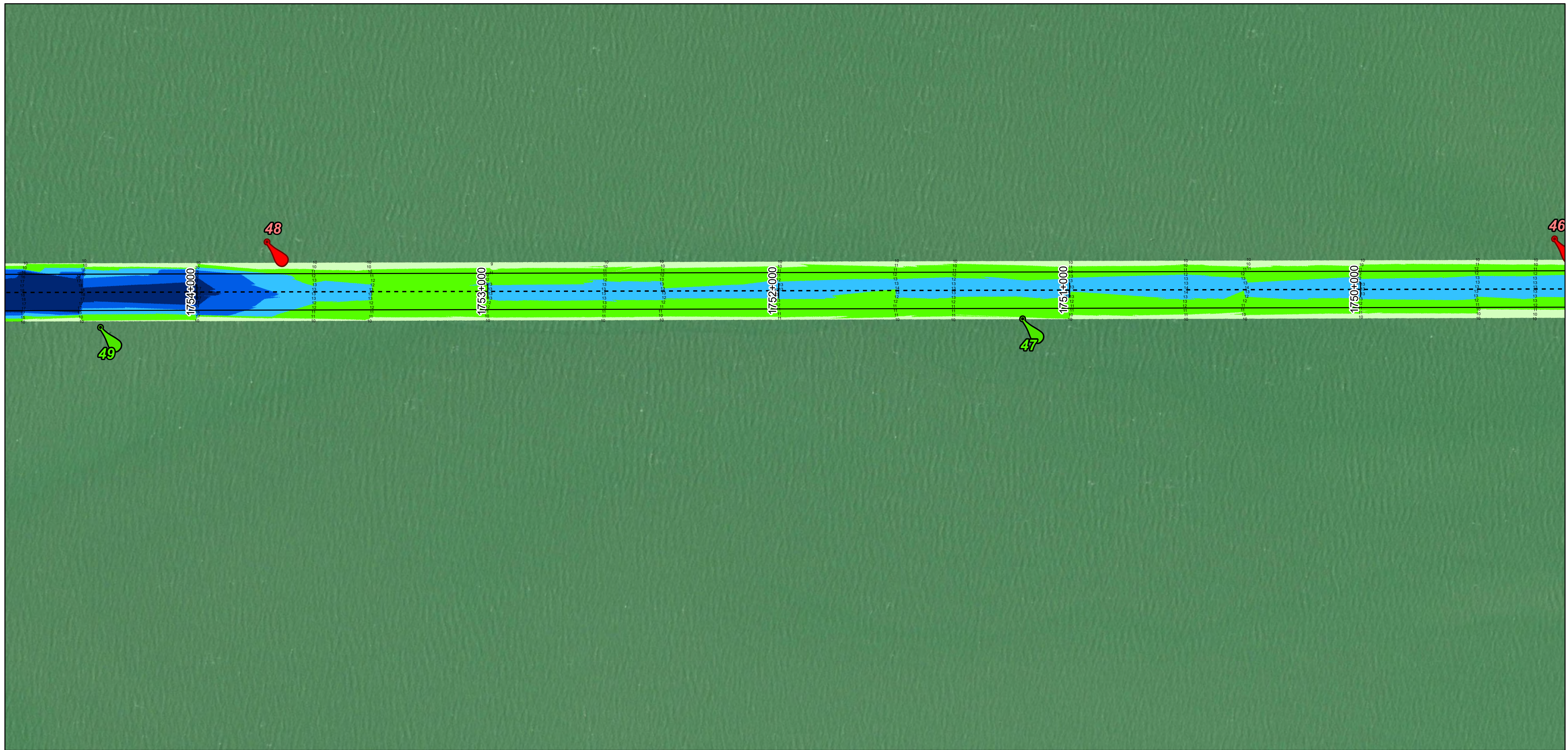
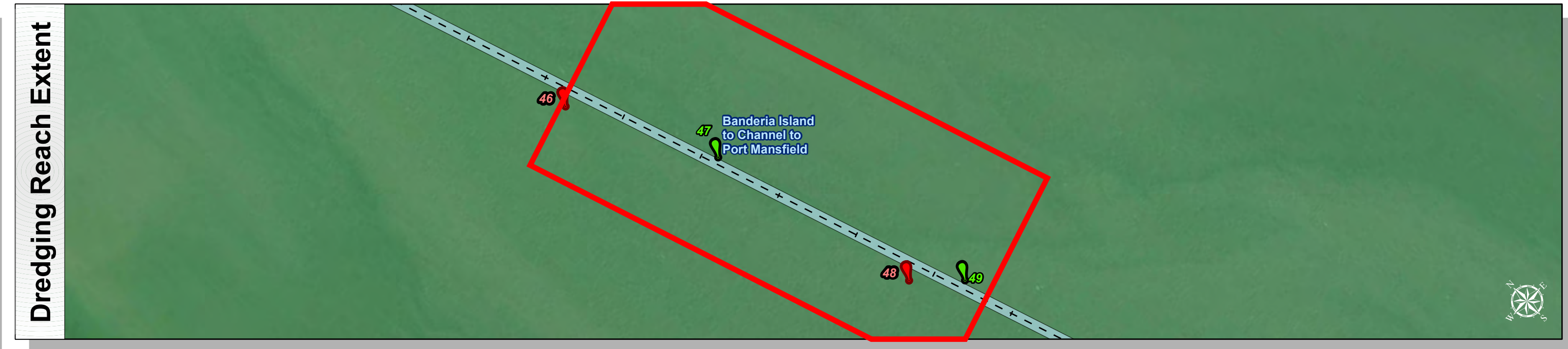
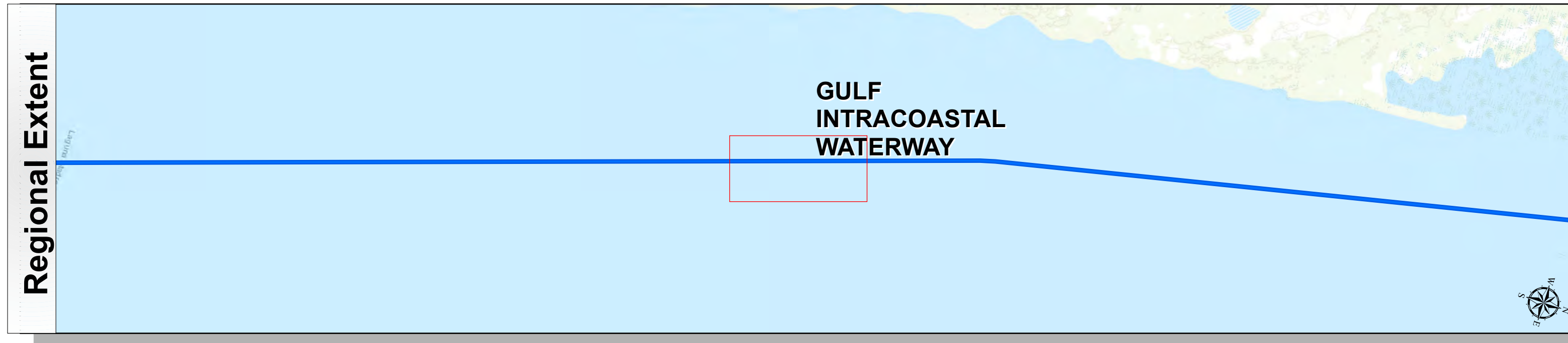
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

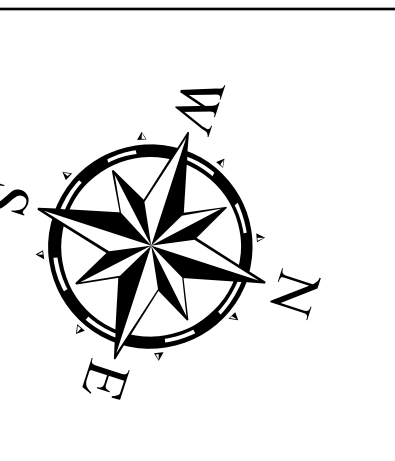
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 19 of 30	Side Slope Ratio: (Rise : Run)
Scale: 1:2,000	PDF Print Date: 3/8/2023
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

LWD

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 low water depth (LWD) 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 er1105-d152.
- 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 FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent

0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent

0 170 340 680 Feet

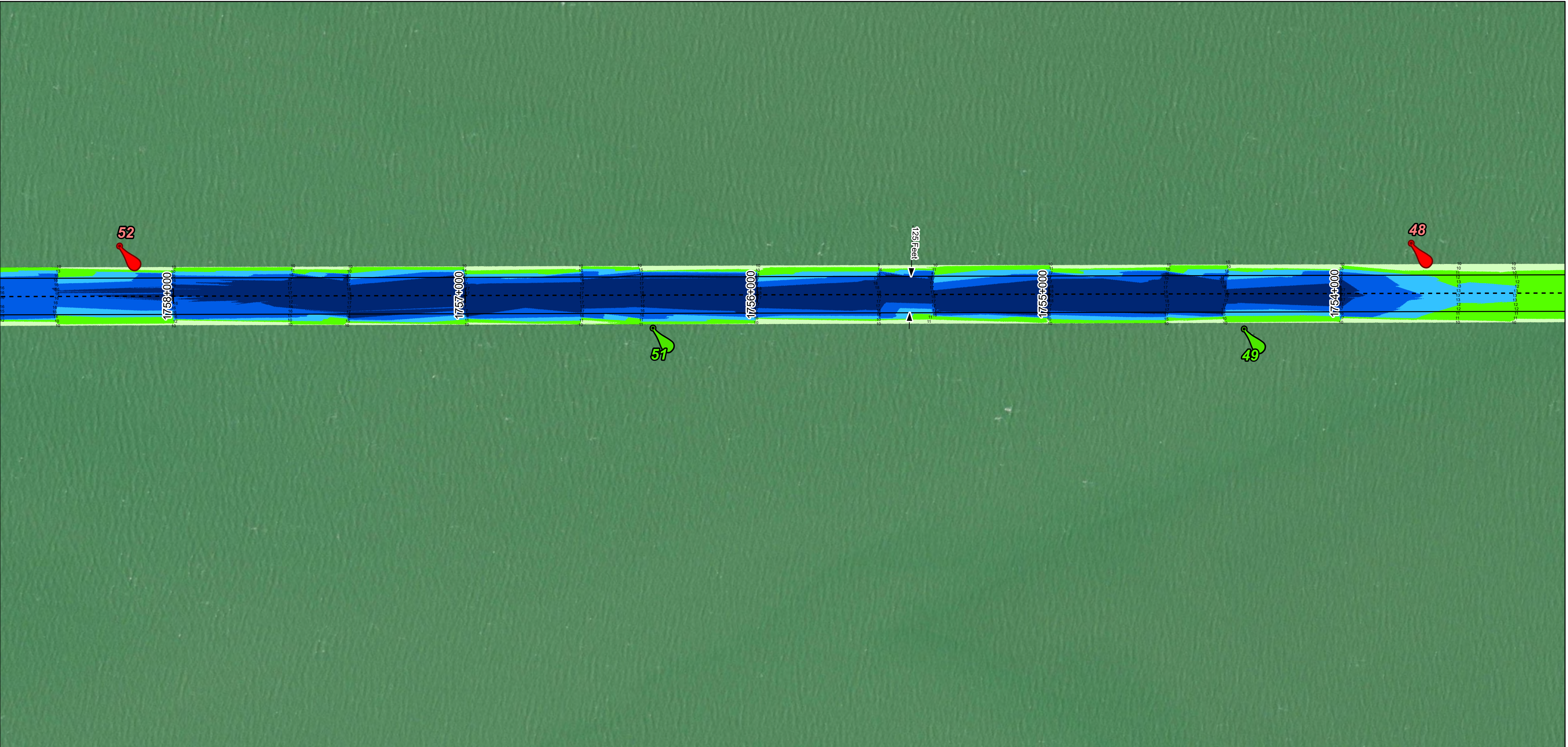
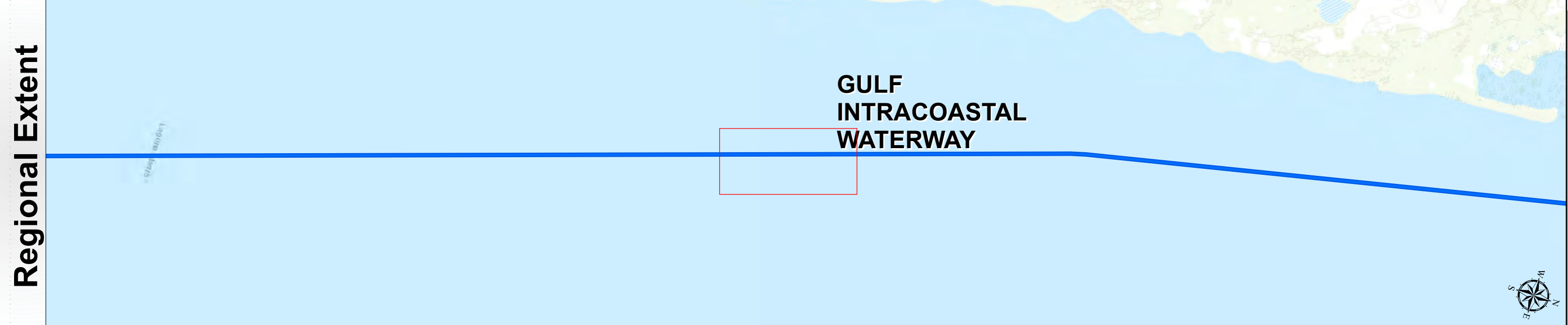
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

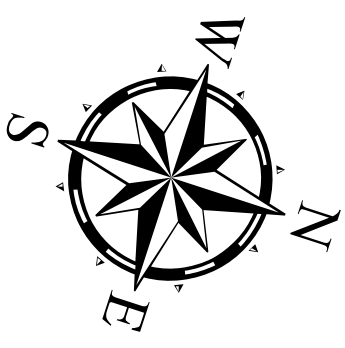
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 20 of 30	Side Slope Ratio: 1:1.03 (Rise : Run)
Scale: 1:2,000	Website Index Number: 289
Mapped by: M3AOXPAC	PDF Print Date: 3/8/2023
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

LWD

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 low water depth (LWD) 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 110.41-152.
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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 FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent

Hydrographic Survey Extent

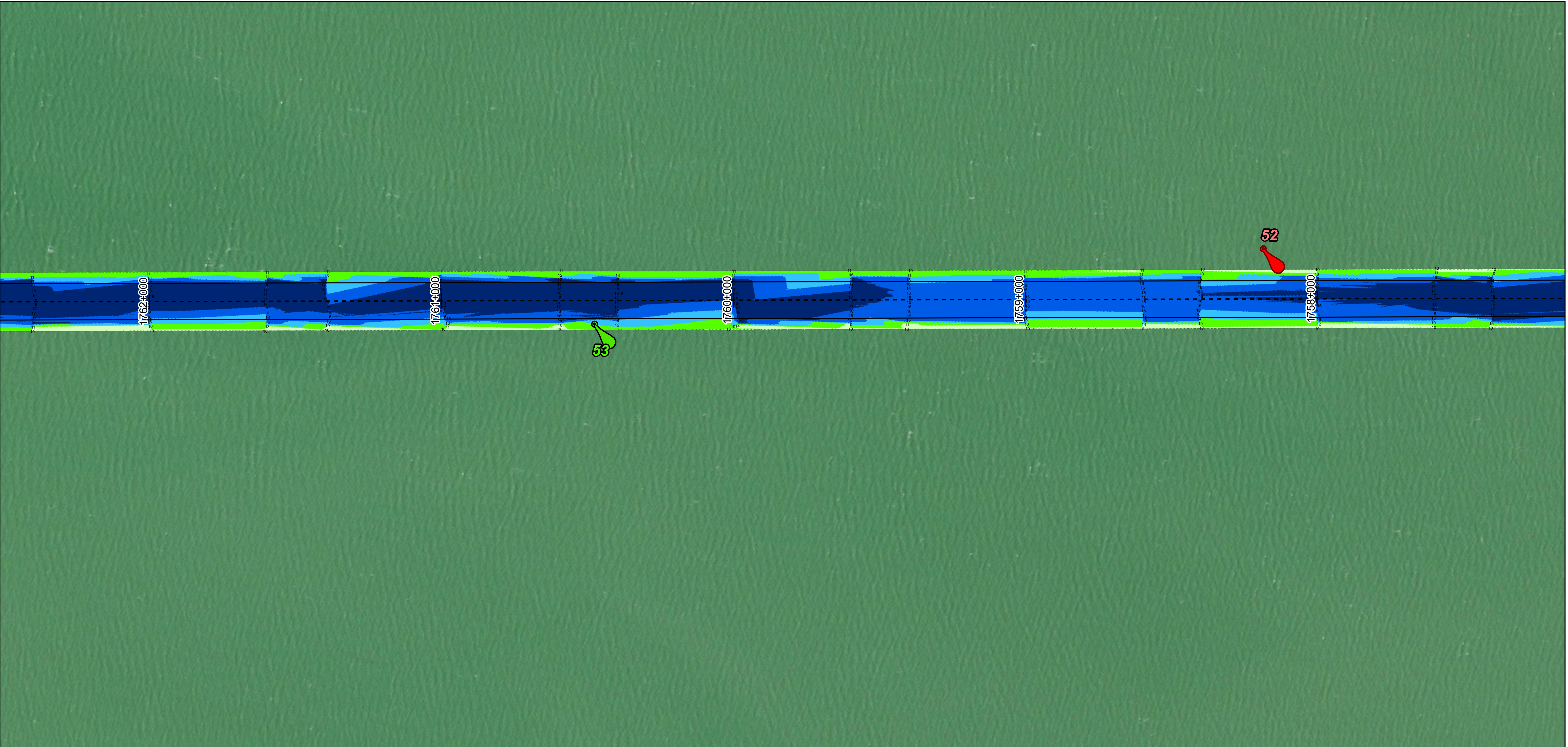
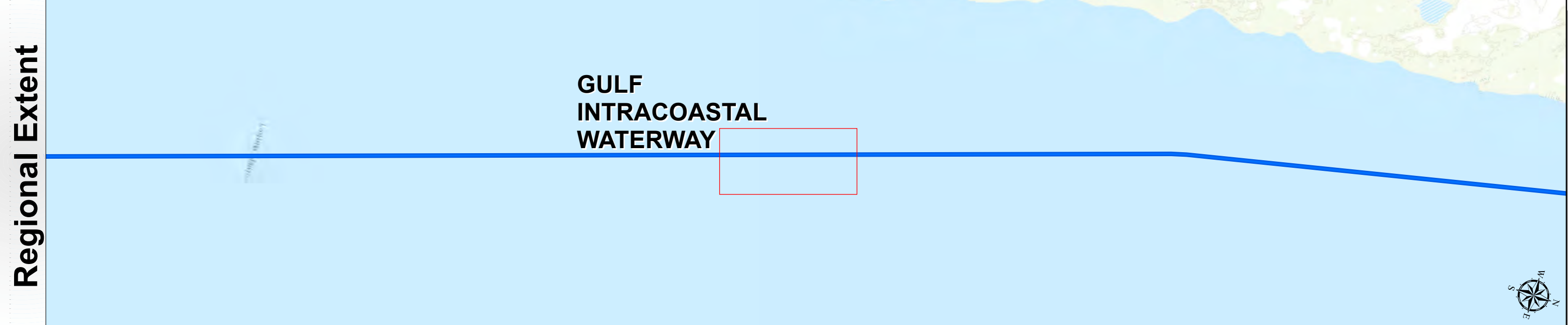
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

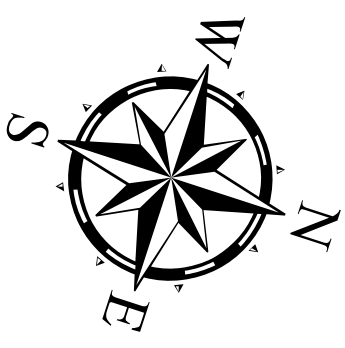
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 21 of 30	Side Slope Ratio: 1:1.03 (Rise : Run)
Scale: 1:2,000	Website Index Number: 290
Mapped by: M3AOXPAC	PDF Print Date: 3/8/2023
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

LWD

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 low water depth (LWD) 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 117.11-11.12.
- 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, 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 FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent

0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent

0 170 340 680 Feet

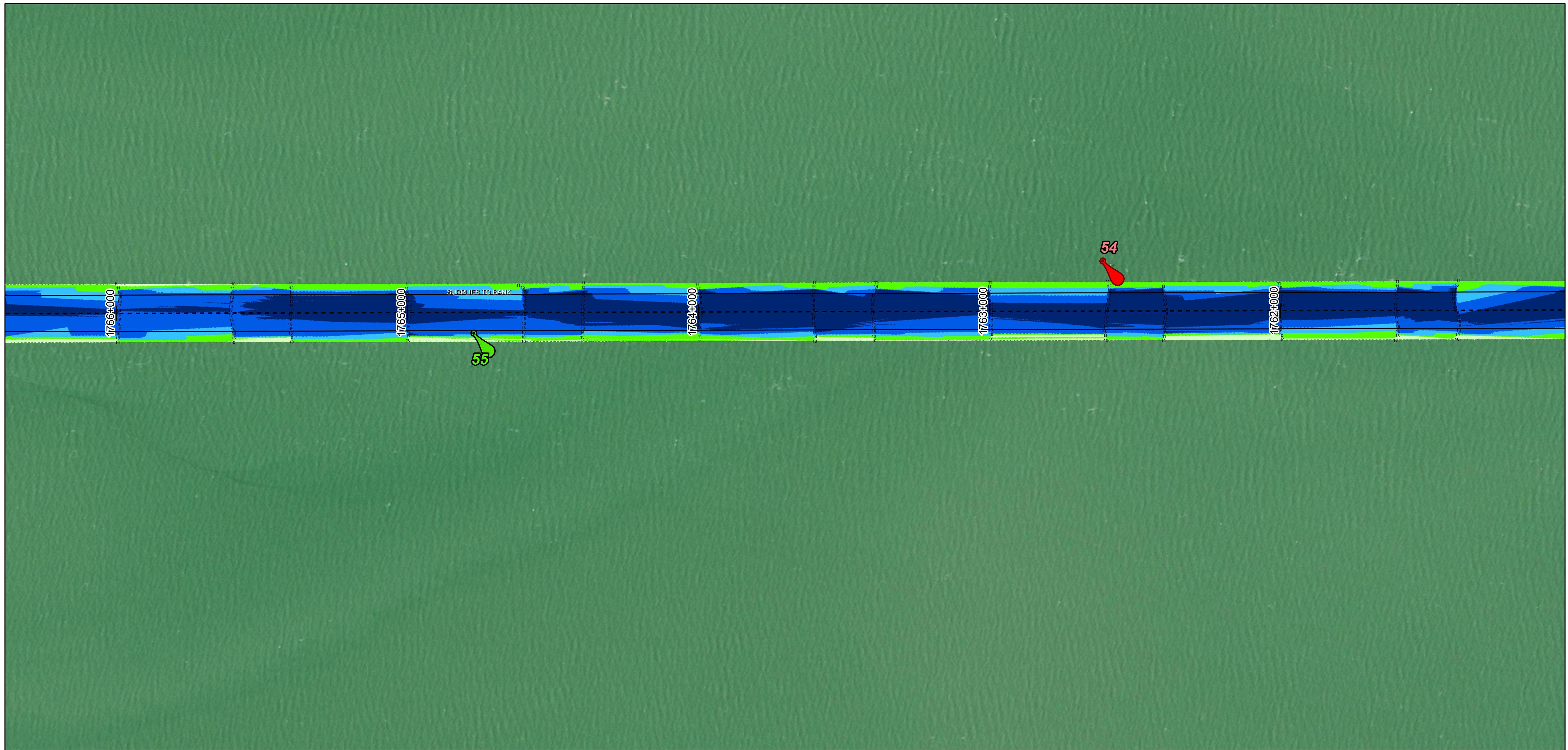
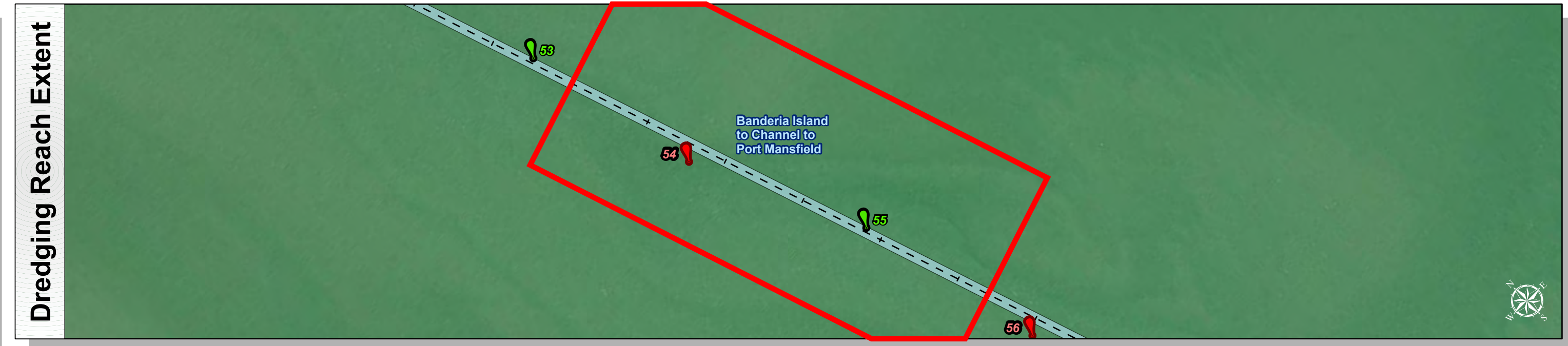
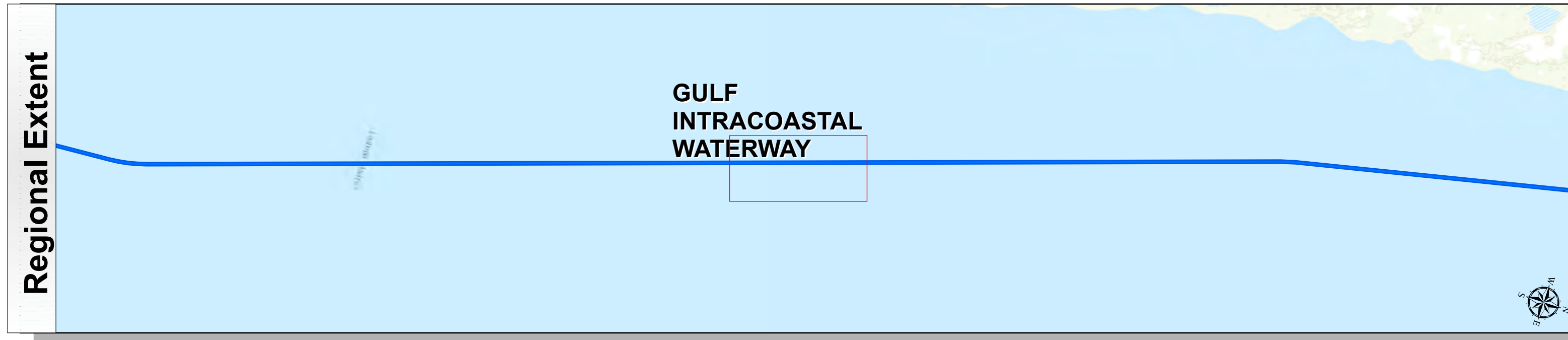
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

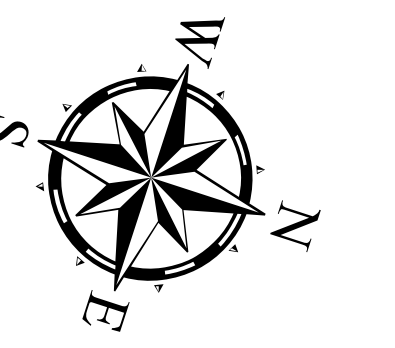
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 22 of 30	Side Slope Ratio: 1:1.03 (Rise : Run)
Scale: 1:2,000	Website Index Number: 291
Mapped by: M3AOXPAC	PDF Print Date: 3/8/2023
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

LWD

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

NOTES:

- Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
- Elevations are referenced to low water depth (LWD) 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 47CFR 117.11-41.52.
- 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 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 FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent

0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent

0 170 340 680 Feet

HYDROGRAPHIC SURVEY

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

Station: 1679+500 to 1802+194.92

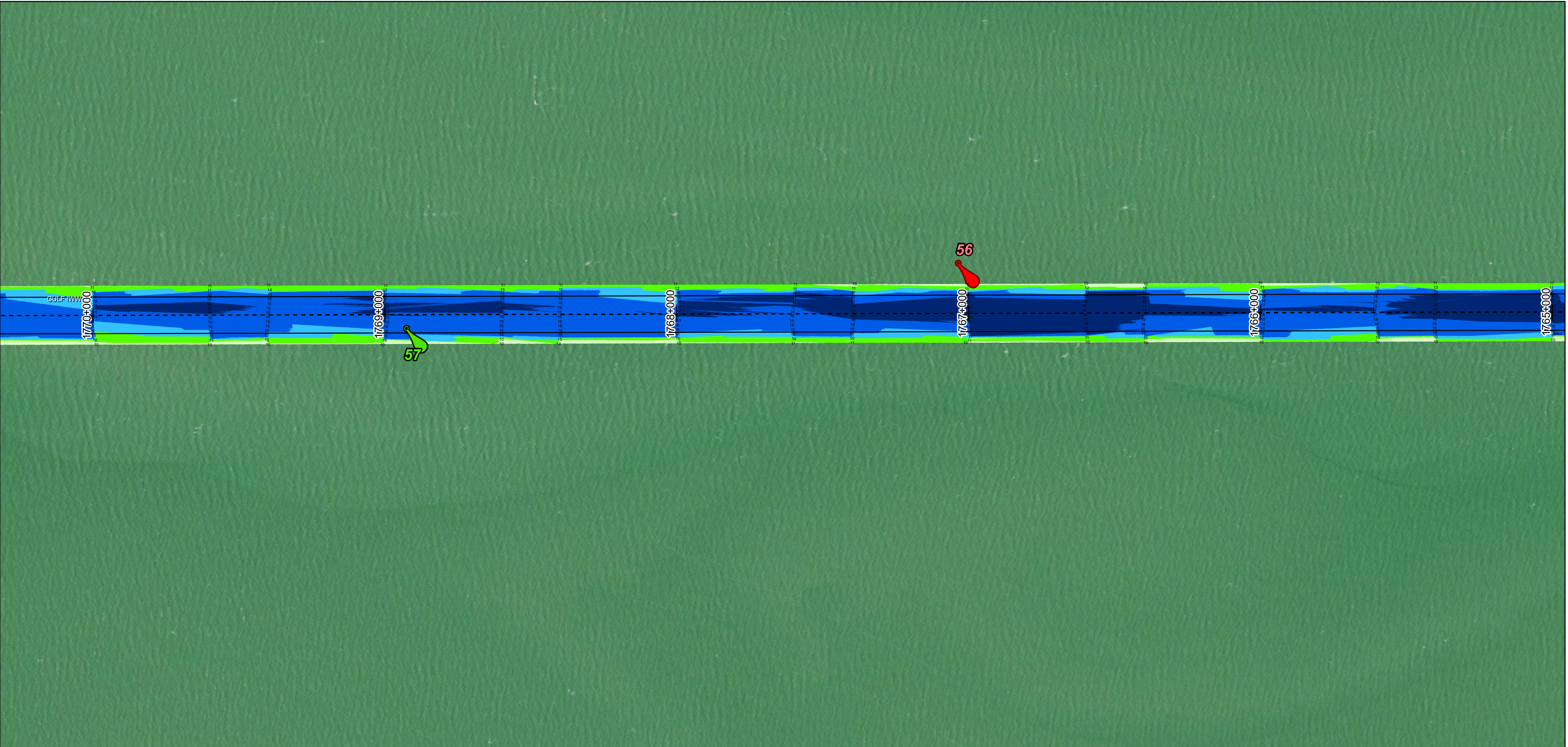
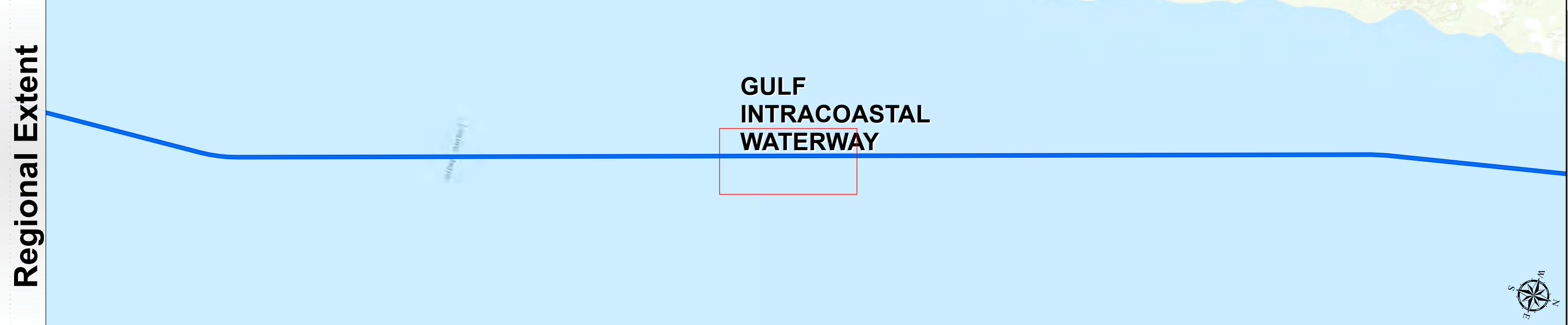
GULF INTRACOASTAL WATERWAY

Banderia Island to Channel to Port Mansfield

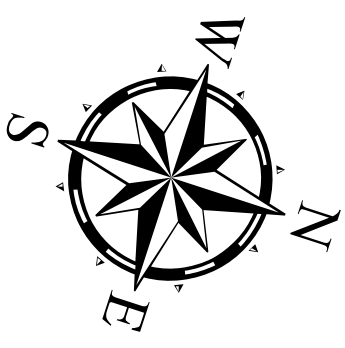
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 23 of 30	Side Slope Ratio: 1:1.03 (Rise : Run)
Scale: 1:2,000	Website Index Number: 292
Mapped by: M3AOXPAC	PDF Print Date: 3/8/2023
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

LWD

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 low water depth (LWD) datum.
- This project was designed by the galveston district of the u.s. army corps of engineers. The initials and signatures and registration designations of individuals appear on these project documents within the scope of their employment as required by er1110-4152.
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- For the most up to date information please check our website at: <http://www.svg.usace.army.mil/Missions/Navigation/HydrographicSurveys/>

Service Layer Credits: World Topographic Map: Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, NGA, EPA, USDA
World 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 FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent

Hydrographic Survey Extent

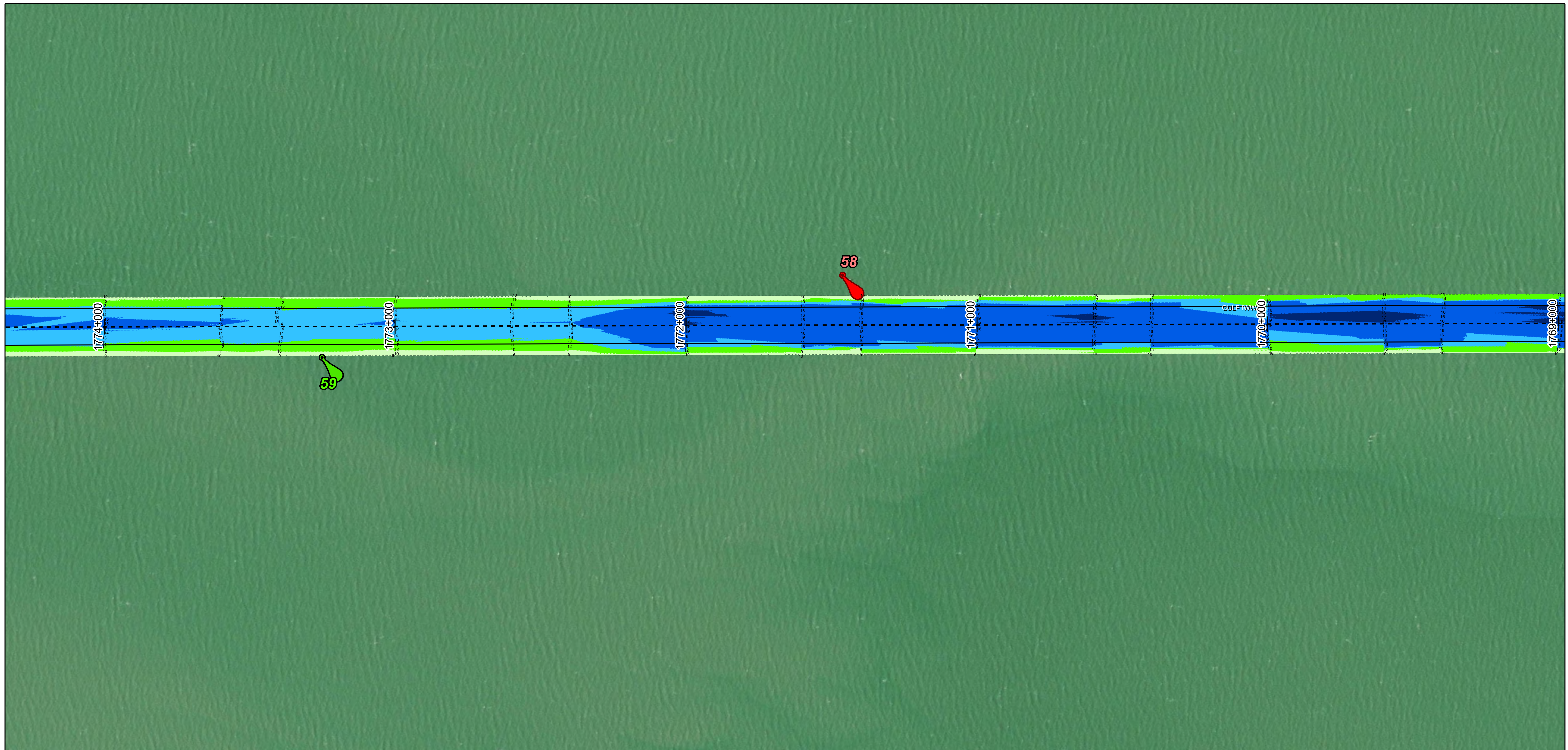
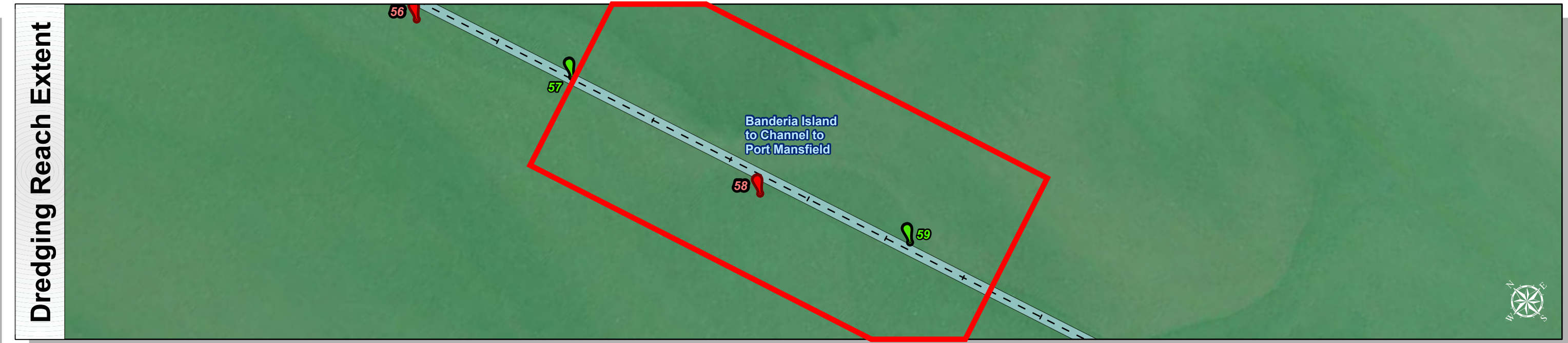
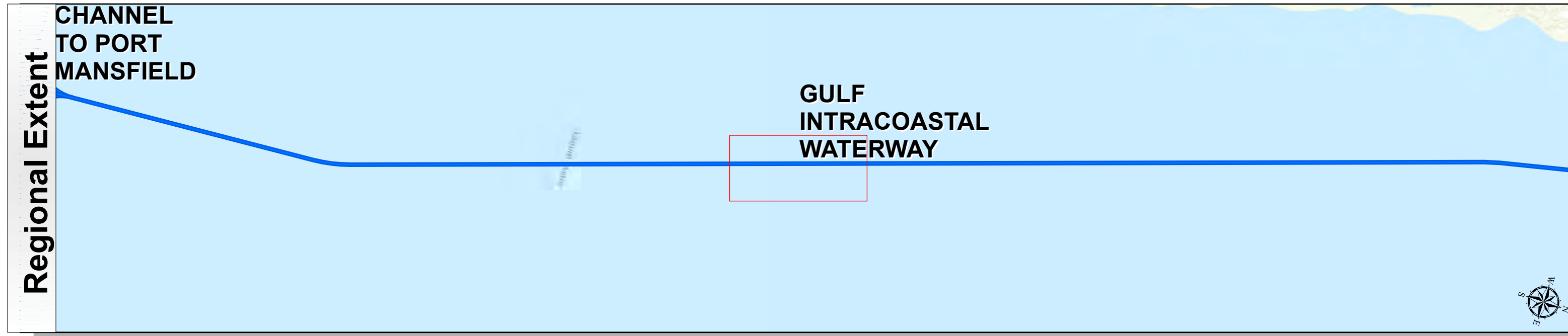
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

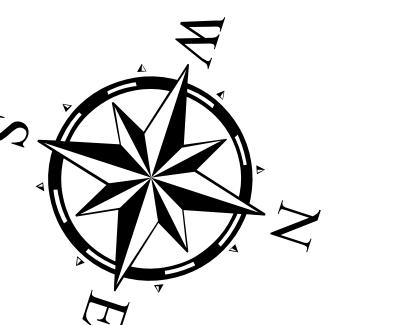
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 24 of 30	Side Slope Ratio: 1:1.03 (Rise : Run)
Scale: 1:2,000	Website Index Number: 293
Mapped by: M3AOXPAC	PDF Print Date: 3/8/2023
Additional Imagery info:	



Channel Features	Aids to Navigation	LWD
--- Channel Center Line	Green Side Aids	0 - 3
— Channel Toe	Red Side Aids	3 - 5
— Channel Station Lines	Lights	5 - 7
↔ Channel Dimensions		7 - 9
		9 - 11
		11 - 13
		13 - 15
		15 - 17
		< 17

NOTES:

- Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
- Elevations are referenced to low water depth (LWD) 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 110.1-8152.
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- For the most up to date information please check our website at: <http://www.svg.usace.army.mil/Missions/Navigation/HydrographicSurveys/>

Service Layer Credits: World Topographic Map, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, METINASA, NGA, EPA, USDA
World 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 FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent

0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent

0 170 340 680 Feet

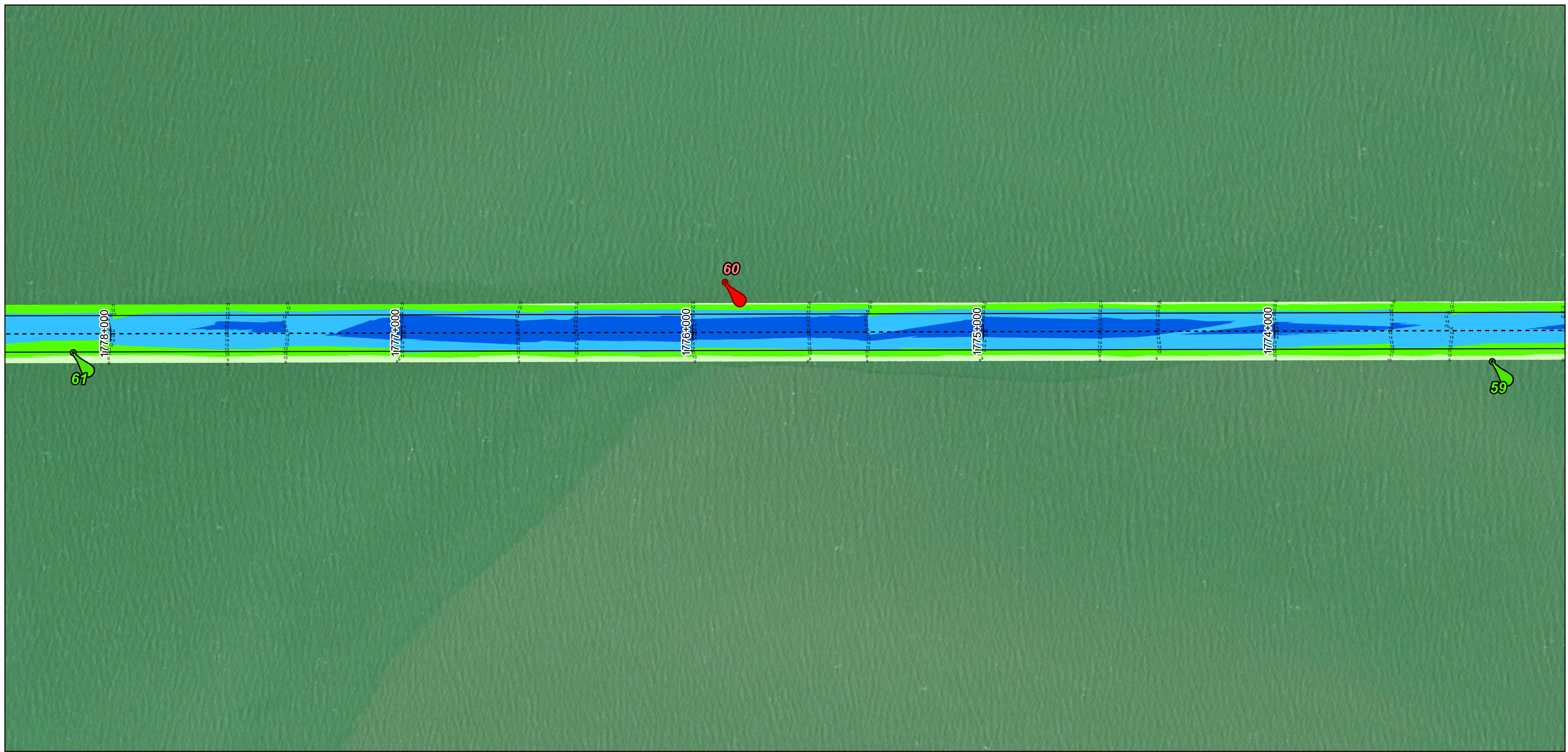
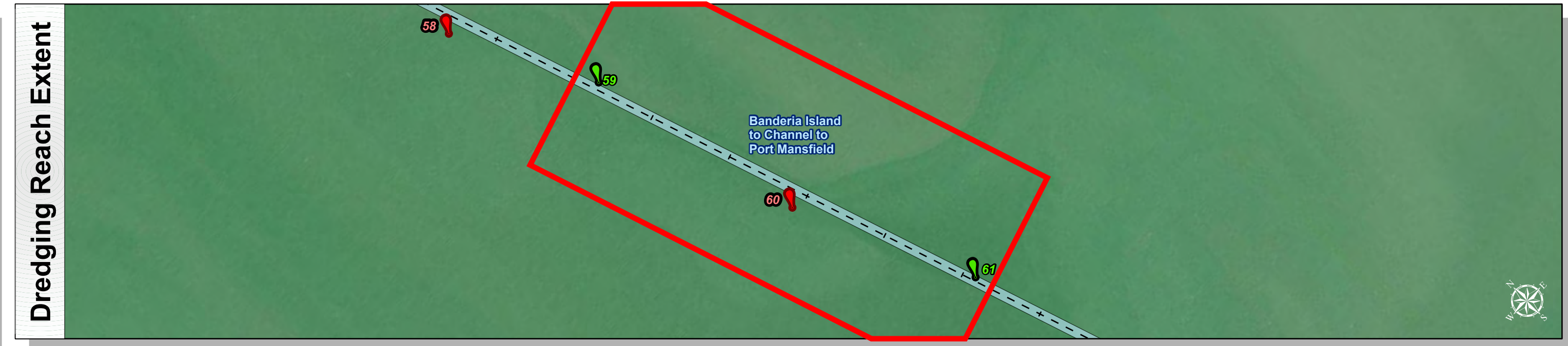
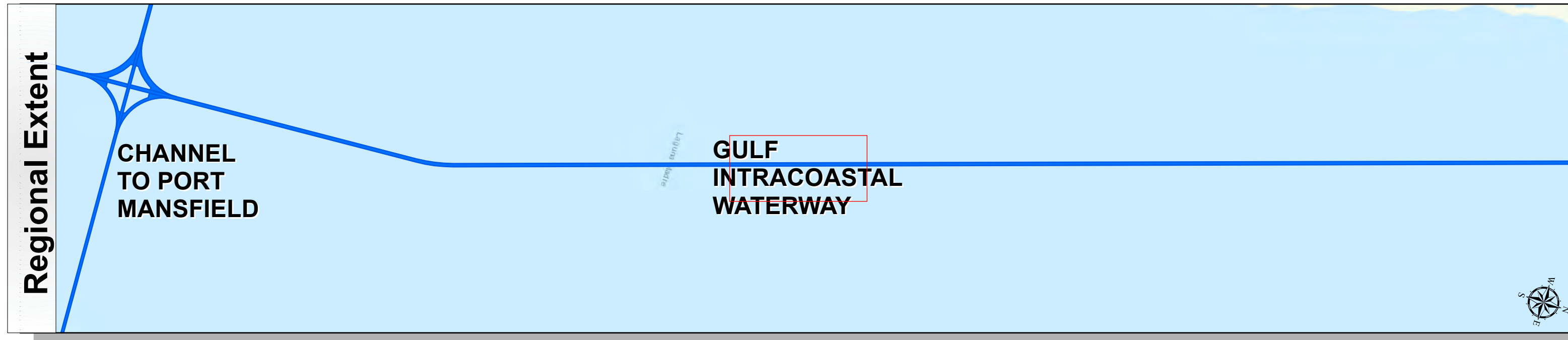
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

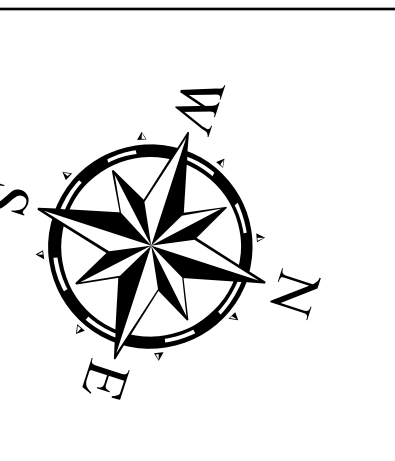
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 25 of 30	Side Slope Ratio: 1:1.03 (Rise : Run)
Scale: 1:2,000	Website Index Number: 294
Mapped by: M3AOXPAC	PDF Print Date: 3/8/2023
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:

- Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
- Elevations are referenced to low water depth (LWD) datum.
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Service Layer Credits: World Topographic Map, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, 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 FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent

0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent

0 170 340 680 Feet

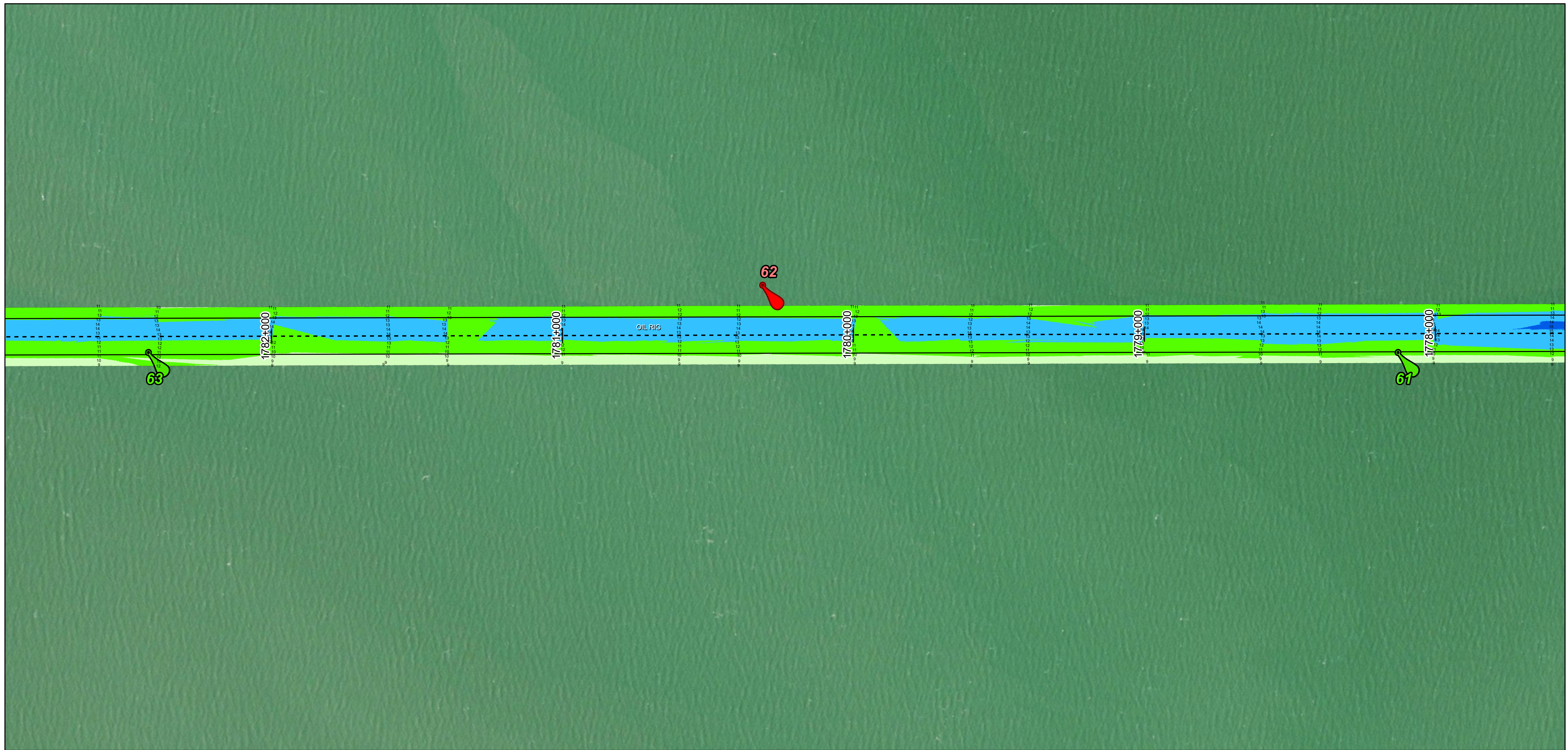
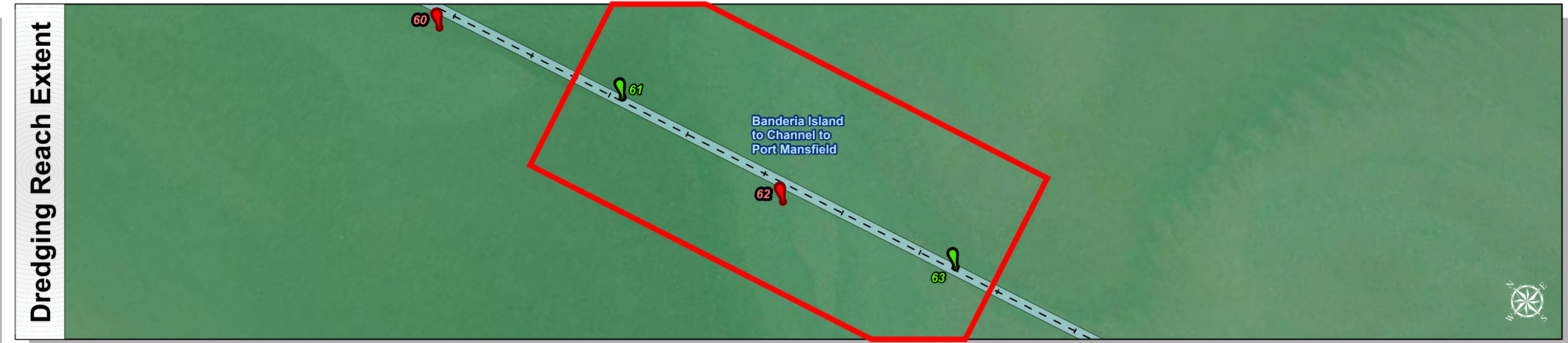
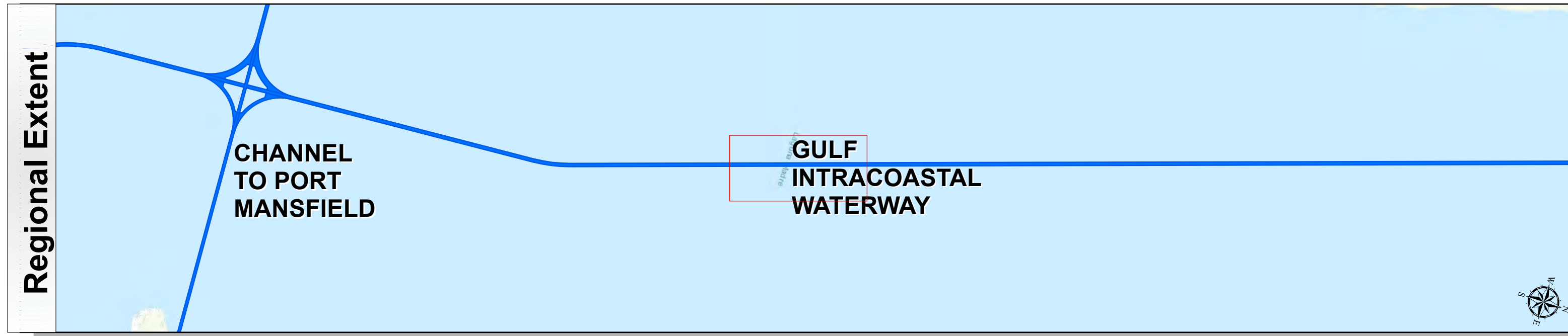
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

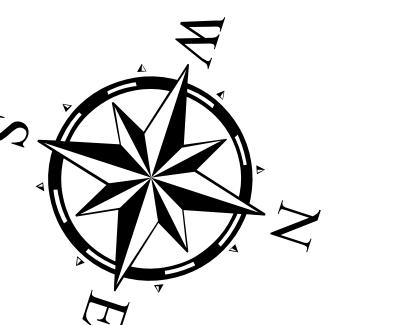
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 26 of 30	Side Slope Ratio: 1:1.03 (Rise : Run)
Scale: 1:2,000	Website Index Number: 295
Mapped by: M3AOXPAC	PDF Print Date: 3/8/2023
Additional Imagery info:	



Channel Features	Aids to Navigation	LWD
--- Channel Center Line	Green Side Aids	0 - 3
— Channel Toe	Red Side Aids	3 - 5
— Channel Station Lines	Lights	5 - 7
↔ Channel Dimensions		7 - 9
		9 - 11
		11 - 13
		13 - 15
		15 - 17
		< 17

NOTES:

- Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
- Elevations are referenced to low water depth (LWD) 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 117.1-117.152.
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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/>

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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 FIPS 4205 Feet
Projection: Lambert Conformal Conic

Dredging Reach Extent

0 0.2 0.4 0.8 Miles

Hydrographic Survey Extent

0 170 340 680 Feet

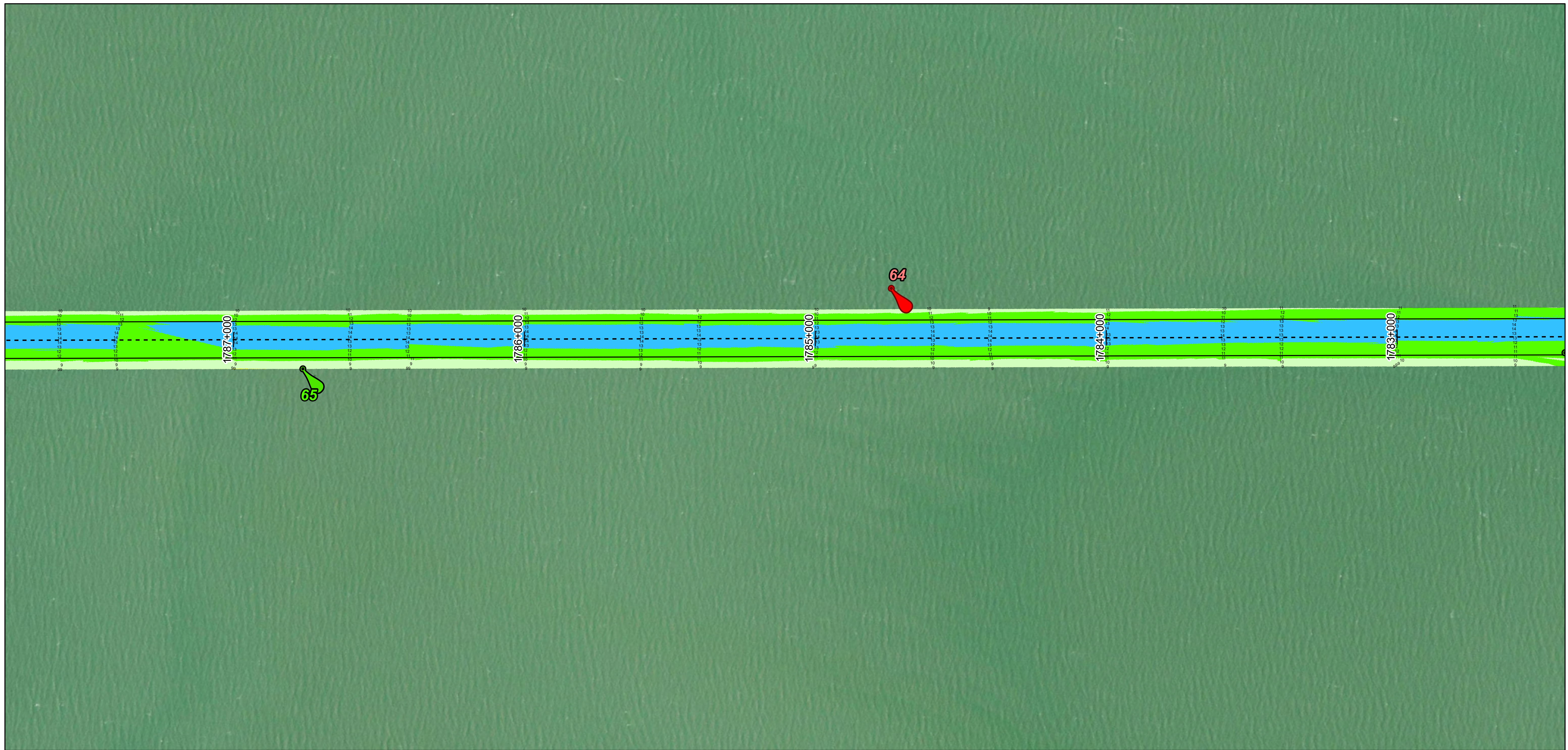
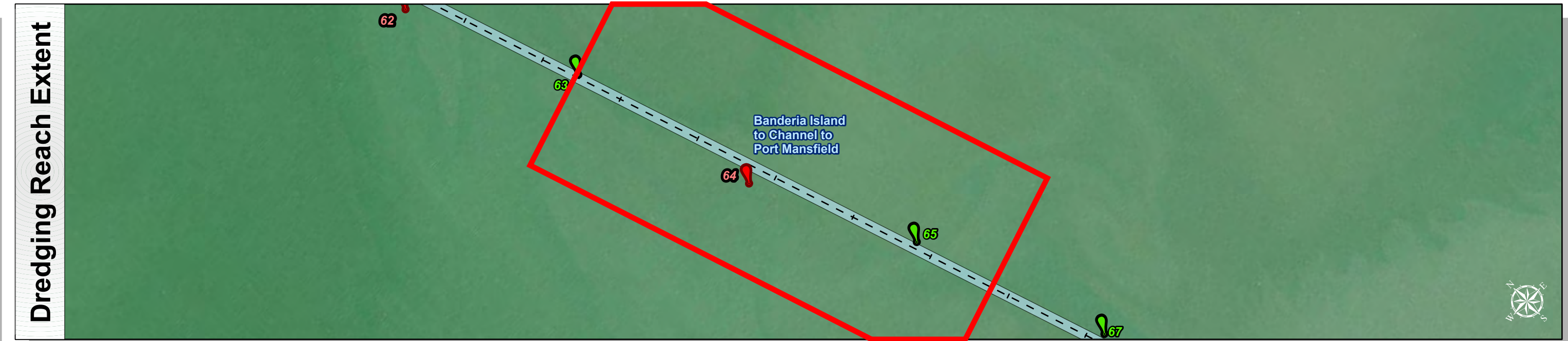
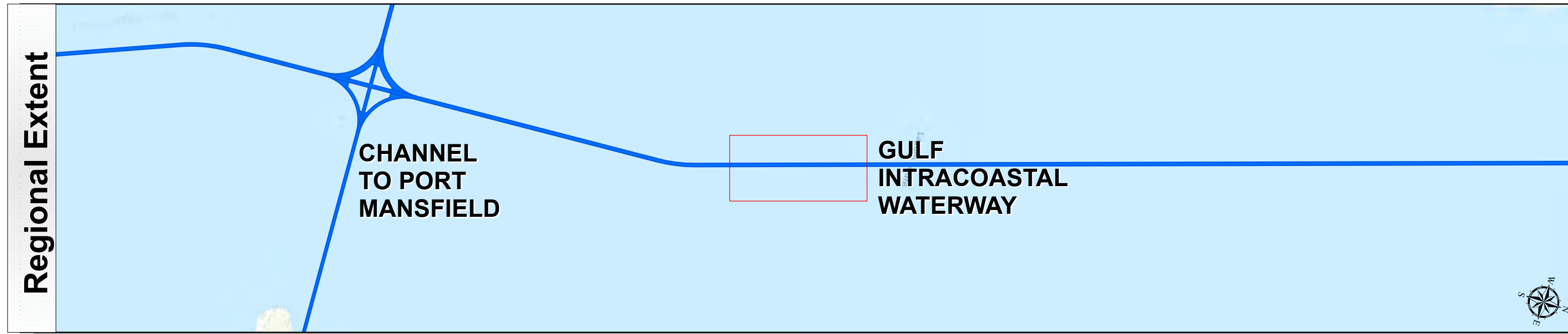
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

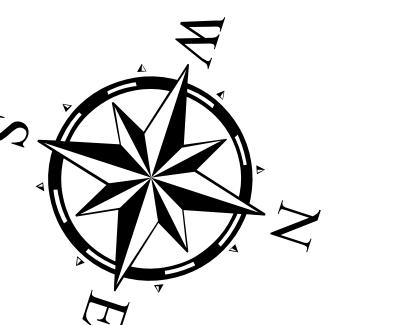
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 27 of 30	Side Slope Ratio: 1:1.03 (Rise : Run)
Scale: 1:2,000	PDF Print Date: 3/8/2023
Mapped by: M3AOXPAC	
Additional Imagery info:	
Website Index Number: 296	



Channel Features	Aids to Navigation	LWD
--- Channel Center Line	Green Side Aids	0 - 3
— Channel Toe	Red Side Aids	3 - 5
— Channel Station Lines	Lights	5 - 7
↔ Channel Dimensions		7 - 9
		9 - 11
		11 - 13
		13 - 15
		15 - 17
		< 17

NOTES:

- Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
- Elevations are referenced to low water depth (LWD) datum.
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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 FIPS 4205 Feet Projection: Lambert Conformal Conic	
Dredging Reach Extent	0 0.2 0.4 0.8 Miles
Hydrographic Survey Extent	0 170 340 680 Feet

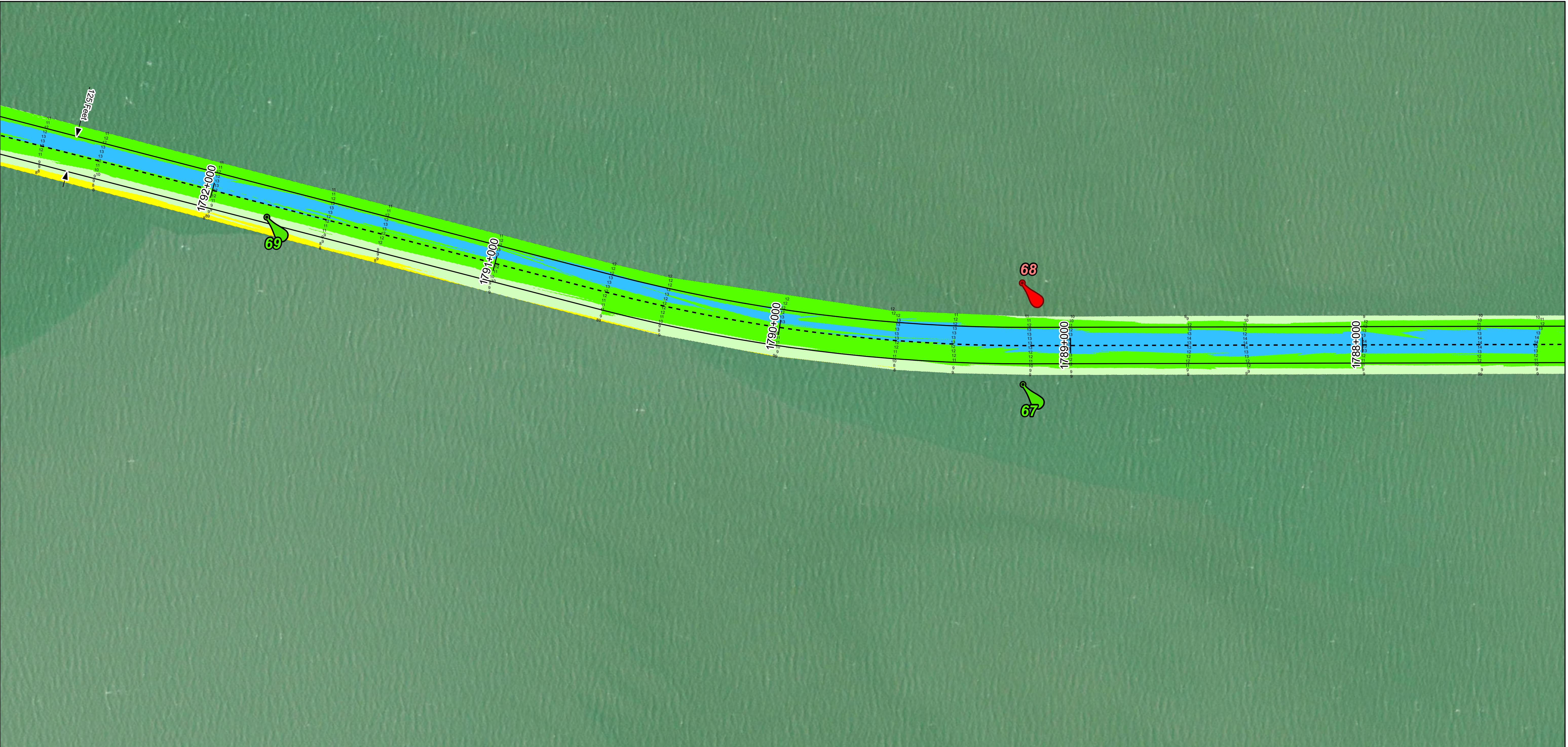
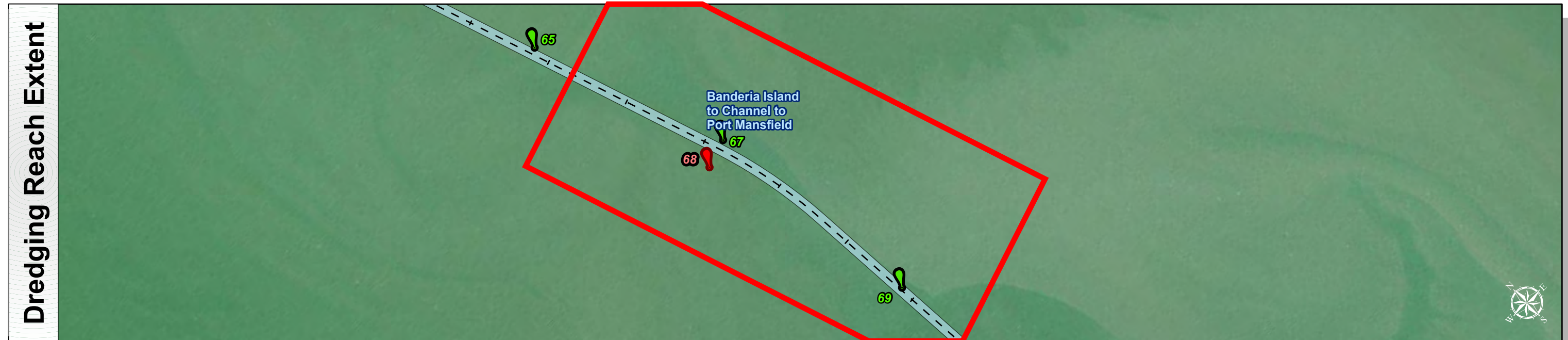
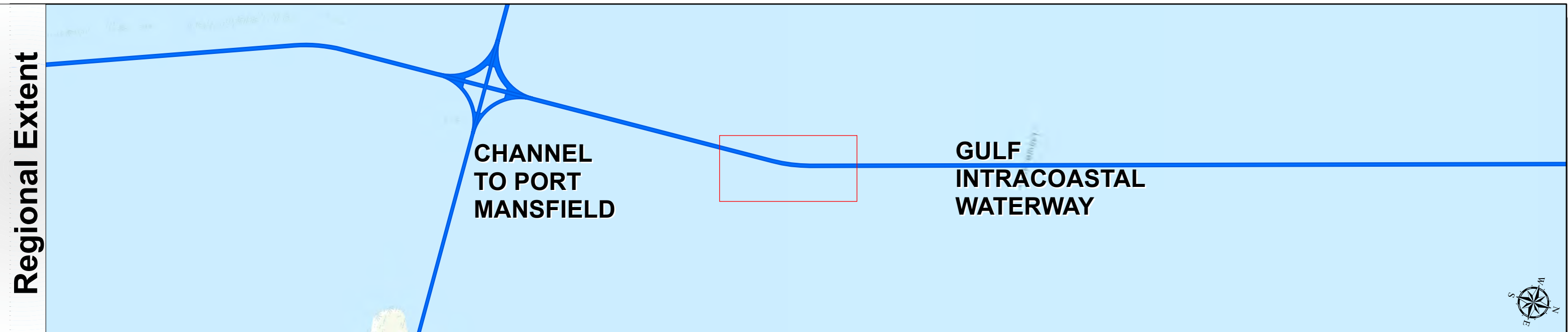
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

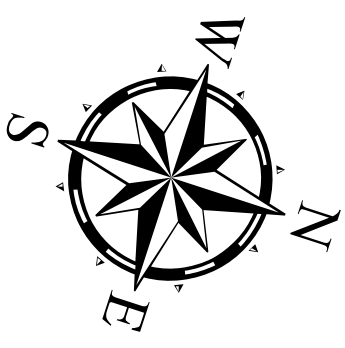
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 28 of 30	Side Slope Ratio: 1:1.03 (Rise : Run)
Scale: 1:2,000	Website Index Number: 297
Mapped by: M3AOXPAC	PDF Print Date: 3/8/2023
Additional Imagery info:	



Channel Features	Aids to Navigation	LWD
--- Channel Center Line	Green Side Aids	0 - 3
— Channel Toe	Red Side Aids	3 - 5
— Channel Station Lines	Lights	5 - 7
↔ Channel Dimensions		7 - 9
		9 - 11
		11 - 13
		13 - 15
		15 - 17
		< 17

NOTES:

- Horizontal coordinates are referenced to Texas state plane coordinate system, south central zone nad83 us survey feet.
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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 FIPS 4205 Feet Projection: Lambert Conformal Conic	
Dredging Reach Extent	
0	0.2 0.4 0.8 Miles
Hydrographic Survey Extent	
0	170 340 680 Feet

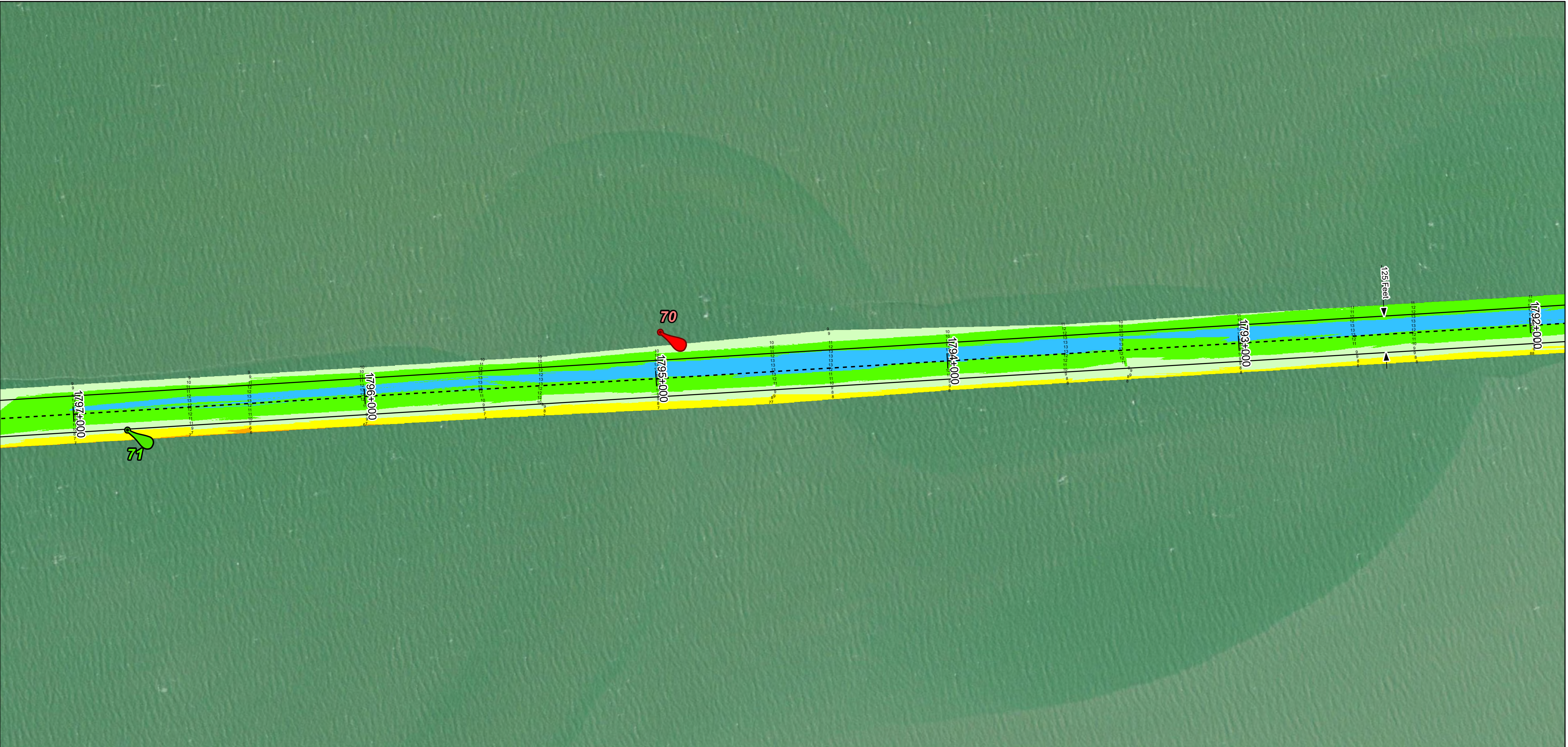
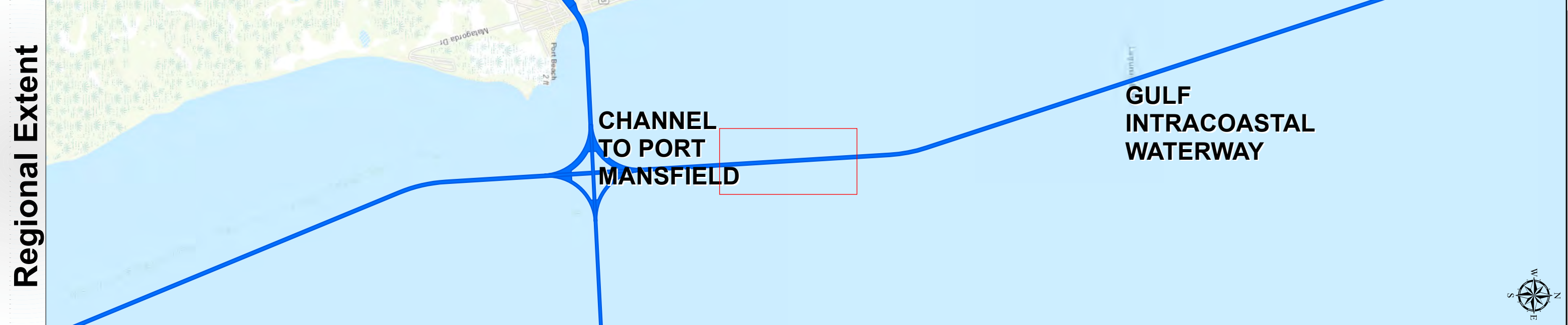
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

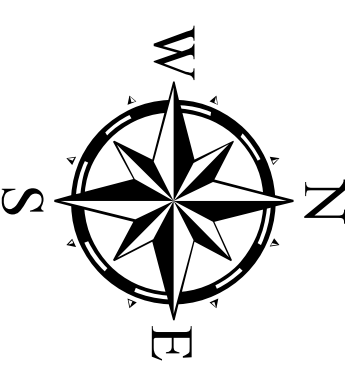
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 29 of 30	Side Slope Ratio: 1:1.03 (Rise : Run)
Scale: 1:2,000	Website Index Number: 298
Mapped by: M3AOXPAC	PDF Print Date: 3/8/2023
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

LWD

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

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World Imagery, Maxar, 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

Hydrographic Survey Extent

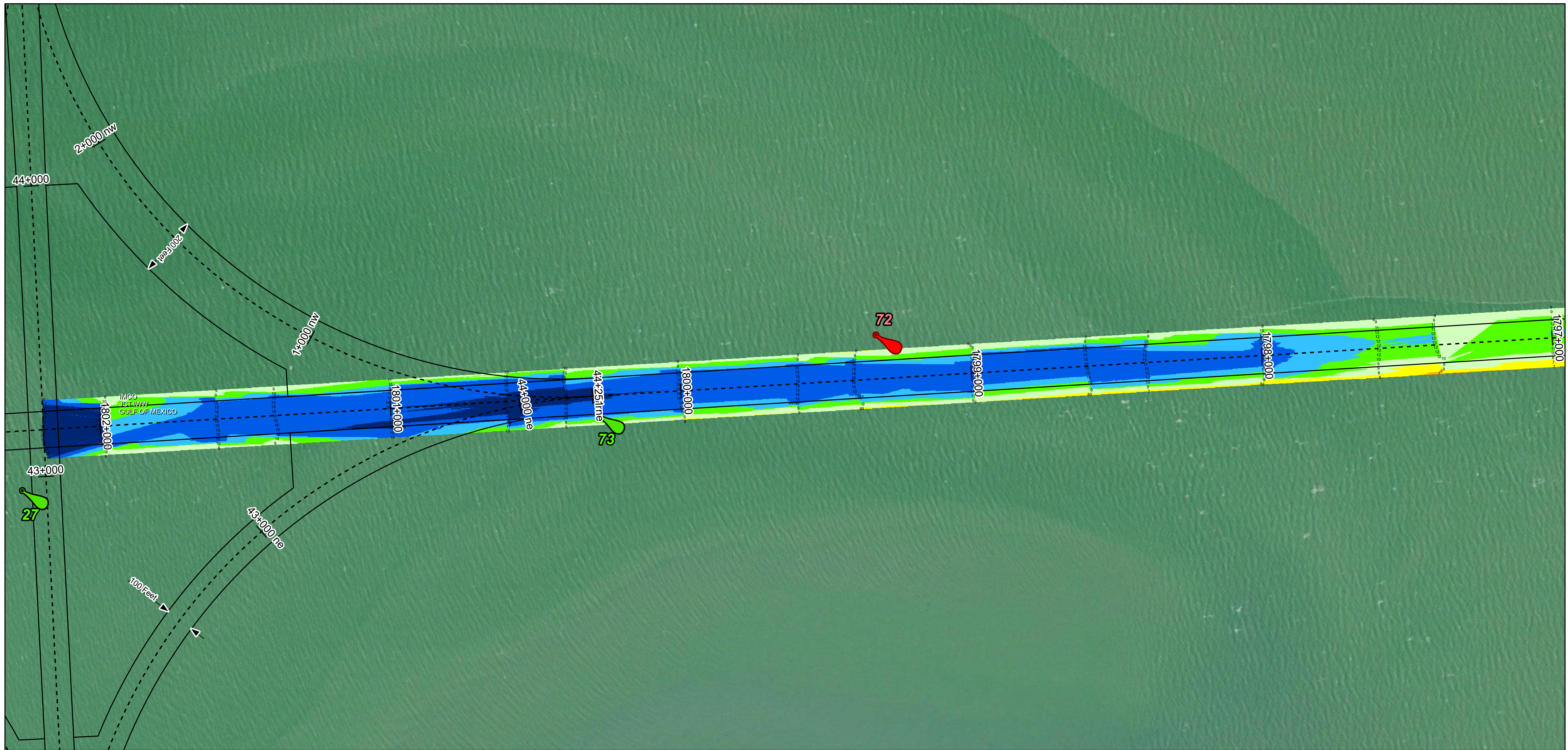
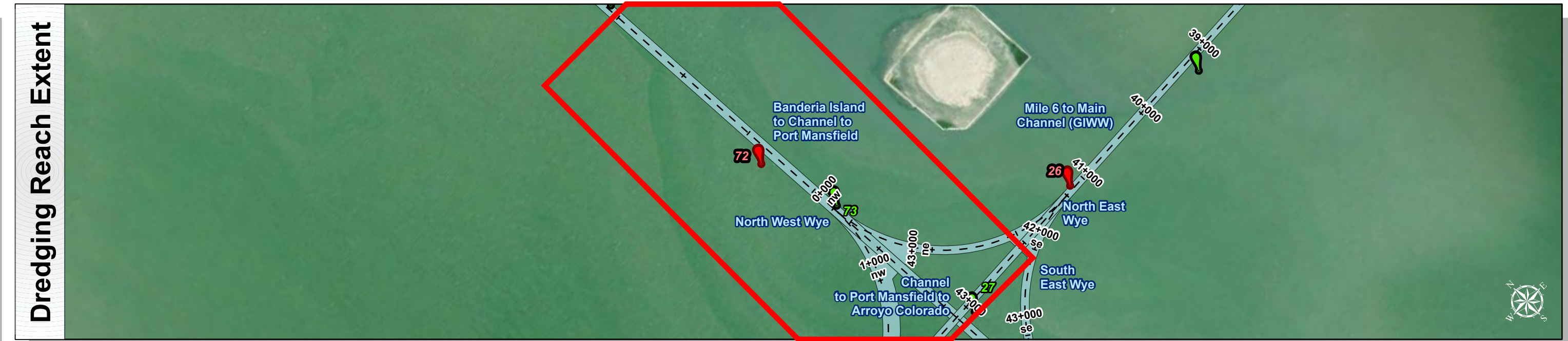
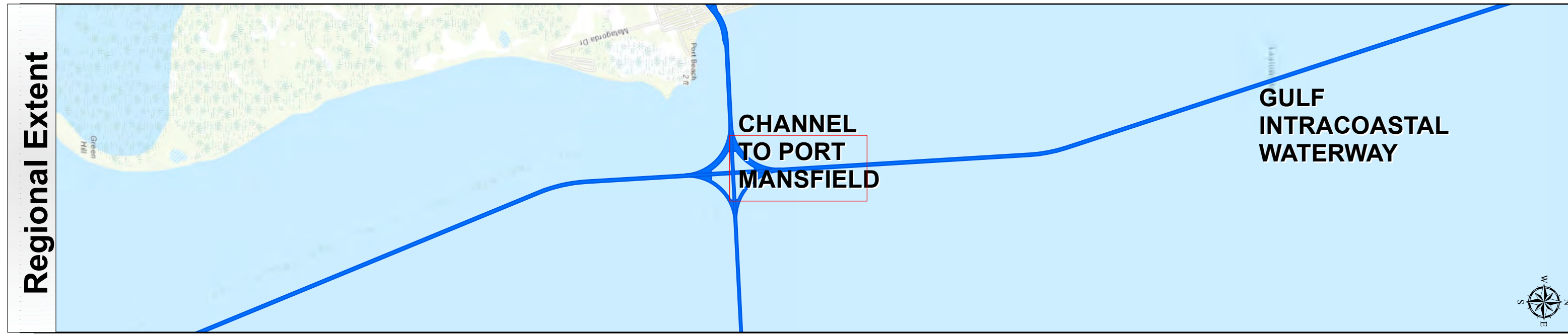
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1679+500 to 1802+194.92
GULF INTRACOASTAL WATERWAY
Banderia Island to Channel to Port Mansfield

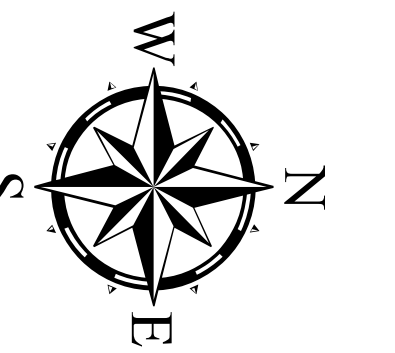
Gulf Intracoastal Waterway: Banderia Island to Channel to Port Mansfield



U.S. Army Corps of Engineers
Galveston District



Latest Survey Collection Date: 07 March 2023	Authorized Depth: -13ft.
Document Page: 30 of 30	Side Slope Ratio: 1:1.03 (Rise : Run)
Scale: 1:2,000	PDF Print Date: 3/8/2023
Mapped by: M3AOXPAC	
Additional Imagery info:	
Website Index Number: 299	



Channel Features	Aids to Navigation	LWD
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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	0.2 0.4 0.8
Miles	
Hydrographic Survey Extent	
0	170 340 680
Feet	

HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
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