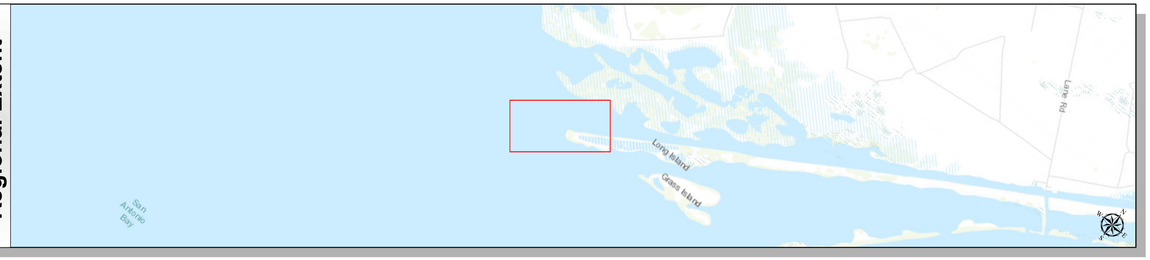
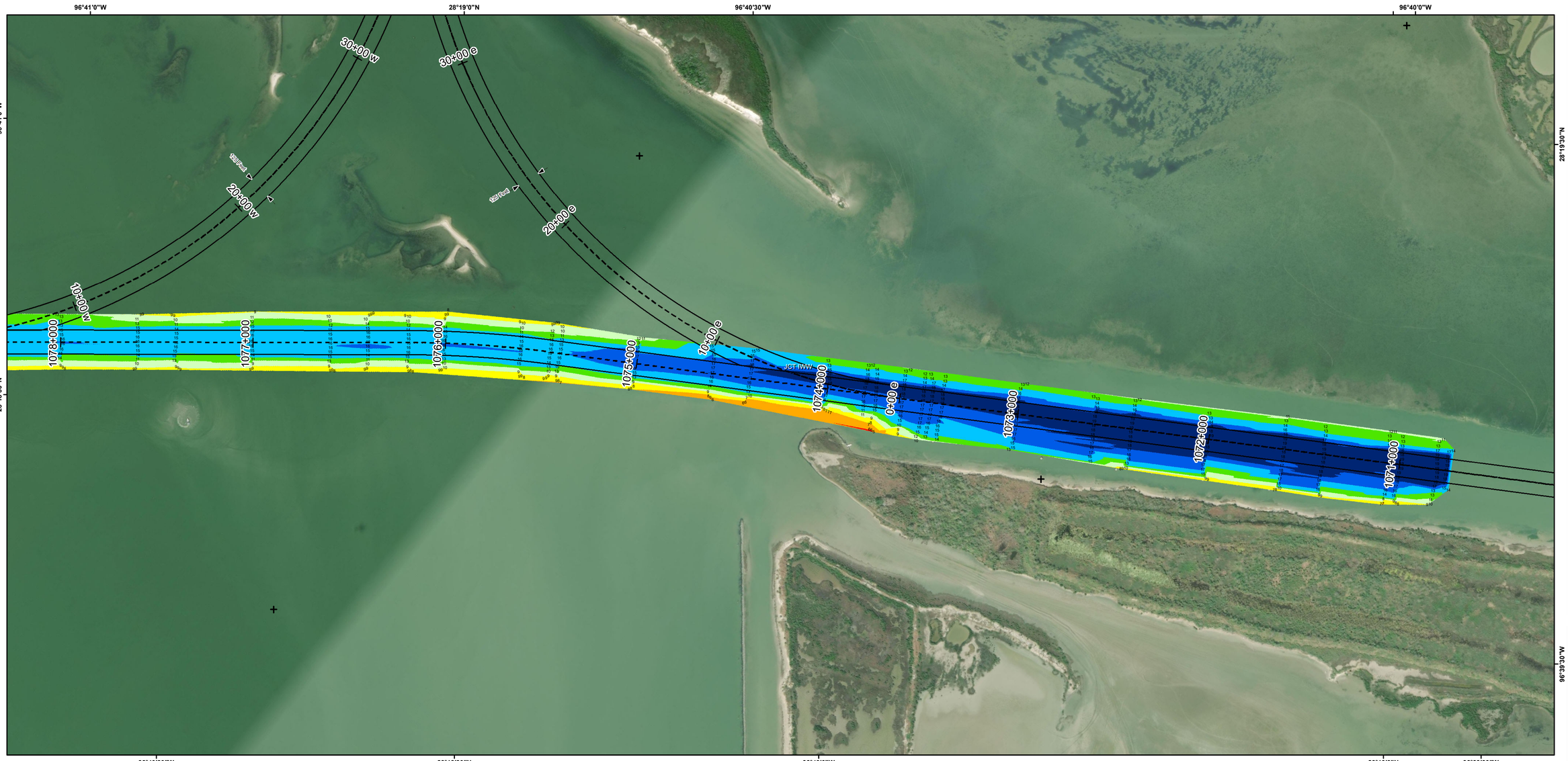
Gulf Intracoastal Waterway: Across San Antonio Bay

U.S. Army Corps of Engineers
Galveston District

Regional Extent



Dredging Reach Extent



Survey Date(s):	11 September 2019
Page:	153 of 190
Scale:	1:3,000
Map:	
Mapped by:	m3odnmhg
Additional Info:	

Authorized Depth:	-14ft.
Side Slope Ratio:	(Rise : Run)
Additional Imagery:	© DigitalGlobe Inc.
Print Date:	9/16/2019

Channel Features
- Channel Toe
- Channel Center Line
- 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

NOAA Bathymetry (DREDGING REACH EXTENT)

0 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 50

NOTES:

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

Dredging Reach Extent
0 0.3 0.6 1.2 Miles

Hydrographic Survey Extent
0 260 520 1,040 Feet

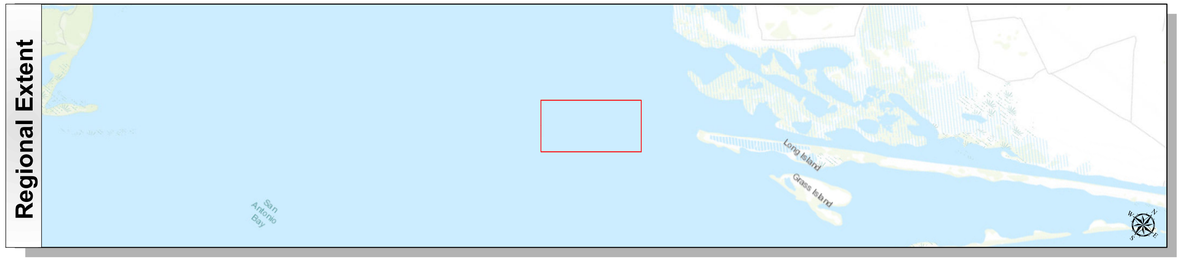
HYDROGRAPHIC SURVEY

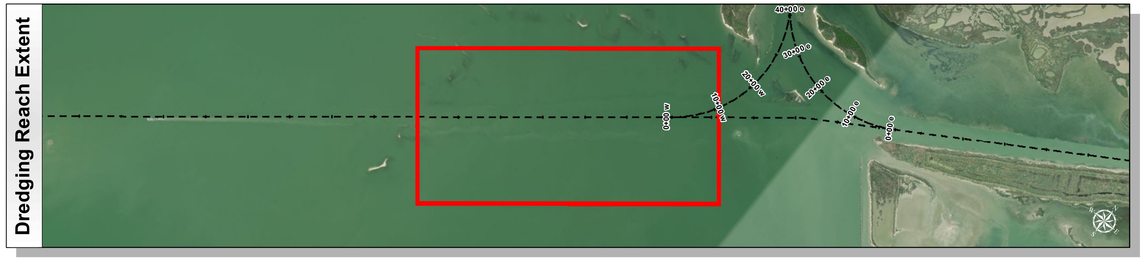
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1070+753.30 to 1121+000
GIWW
, TEXAS

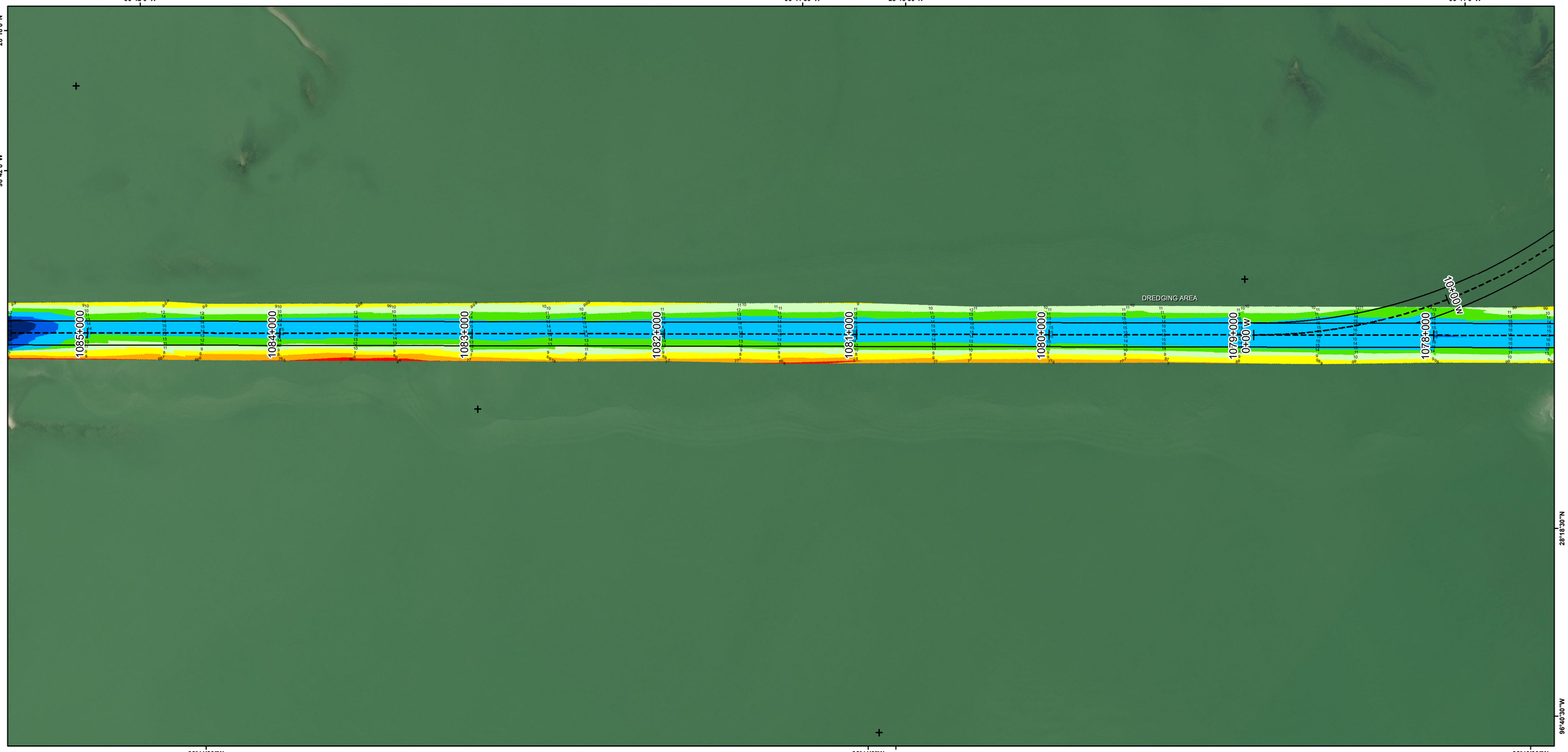
Gulf Intracoastal Waterway: Across San Antonio Bay

U.S. Army Corps of Engineers
Galveston District





96°42'0"W
96°41'30"W
28°18'30"N
96°41'0"W
28°18'0"N
96°42'0"W



Survey Date(s): 11 September 2019
Page: 154 of 190 Map:
Scale: 1:3,000
Mapped by: m3odnmhg
Additional Info:

Authorized Depth: -14ft.
Side Slope Ratio: (Rise : Run)
Additional Imagery: © DigitalGlobe Inc.
Print Date: 9/16/2019

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- Channel Station Lines
- Channel Dimensions

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- Red Side Aids
- Lights

MLLW

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

NOAA Bathymetry (DREDGING REACH EXTENT)

0 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 50

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Projection: Lambert Conformal Conic /Datum: North American 1983

Dredging Reach Extent
0 0.3 0.6 1.2 Miles

Hydrographic Survey Extent
0 260 520 1,040 Feet

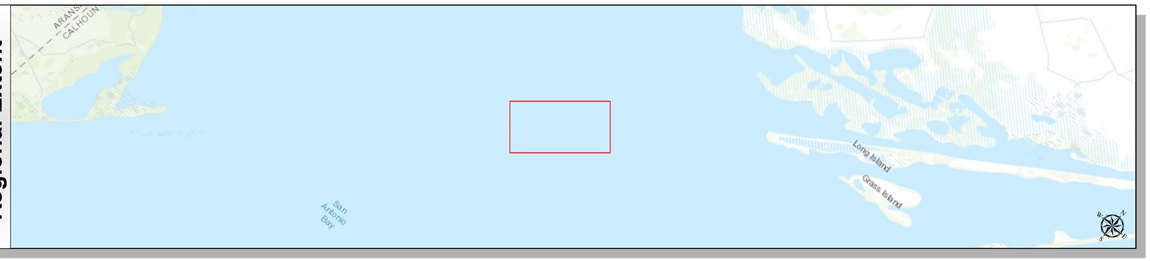
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1070+753.30 to 1121+000
GIWW
, TEXAS

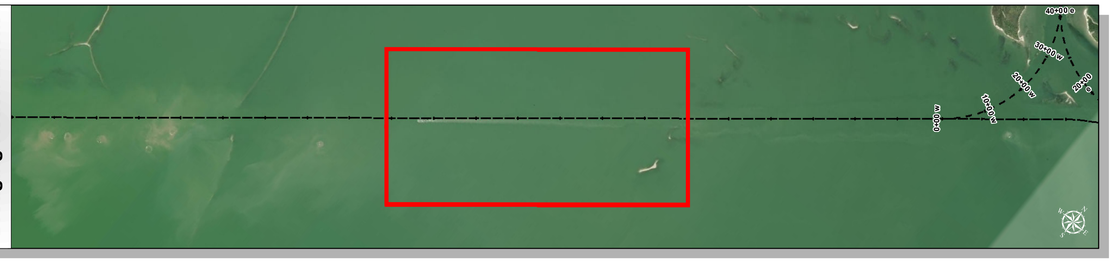
Gulf Intracoastal Waterway: Across San Antonio Bay

U.S. Army Corps of Engineers
Galveston District

Regional Extent



Dredging Reach Extent



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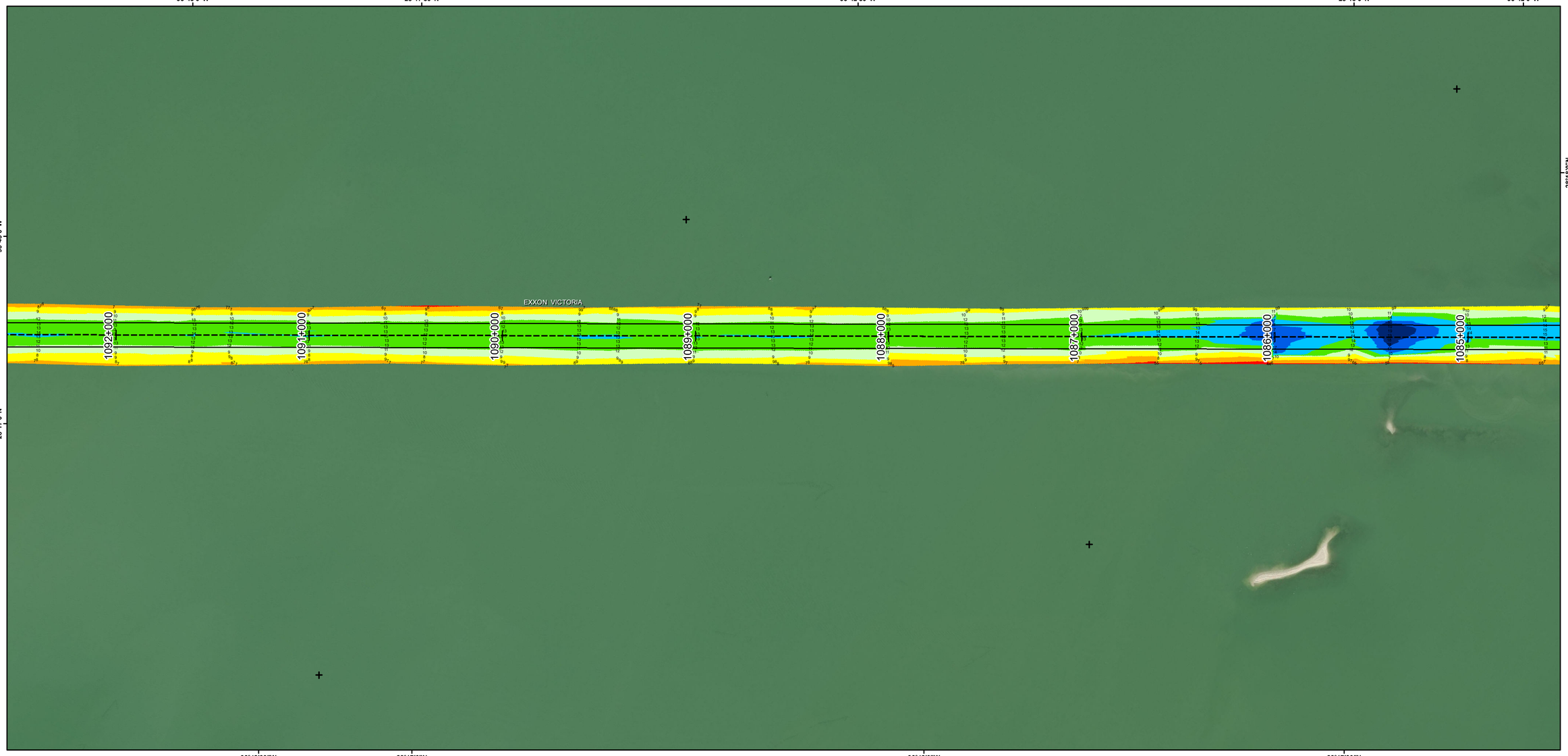

Survey Date(s): 11 September 2019
Page: 155 of 190 Map:
Scale: 1:3,000
Mapped by: m3odnmhg
Additional Info:

Authorized Depth: -14ft.
Side Slope Ratio: (Rise : Run)
Additional Imagery: © DigitalGlobe Inc.
Print Date: 9/16/2019

Channel Features
- Channel Toe
- Channel Center Line
- 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

NOAA Bathymetry (DREDGING REACH EXTENT)

0 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 50

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

Dredging Reach Extent
0 0.3 0.6 1.2 Miles

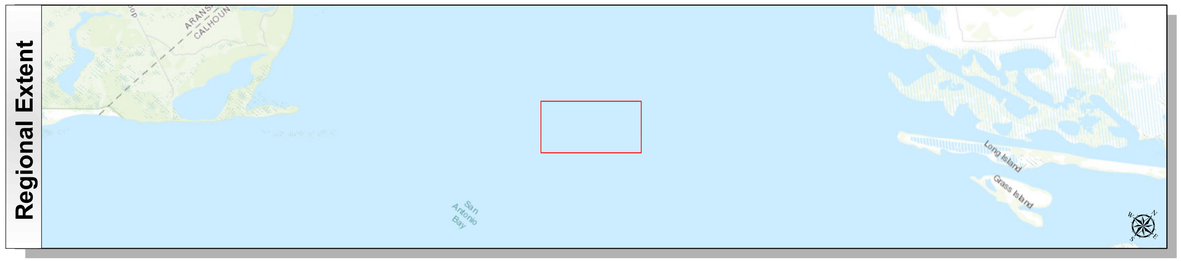
Hydrographic Survey Extent
0 260 520 1,040 Feet

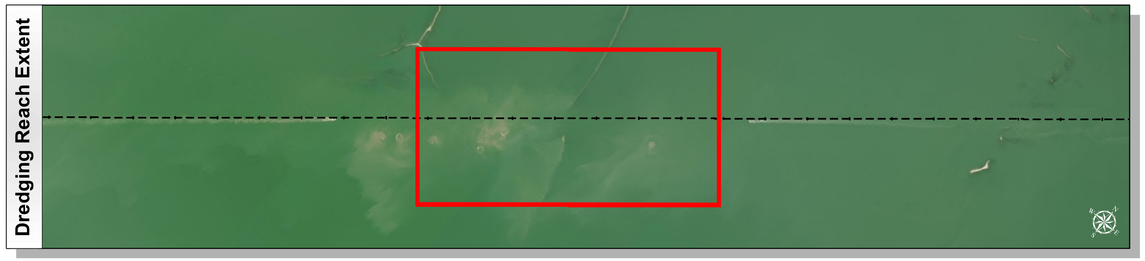
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

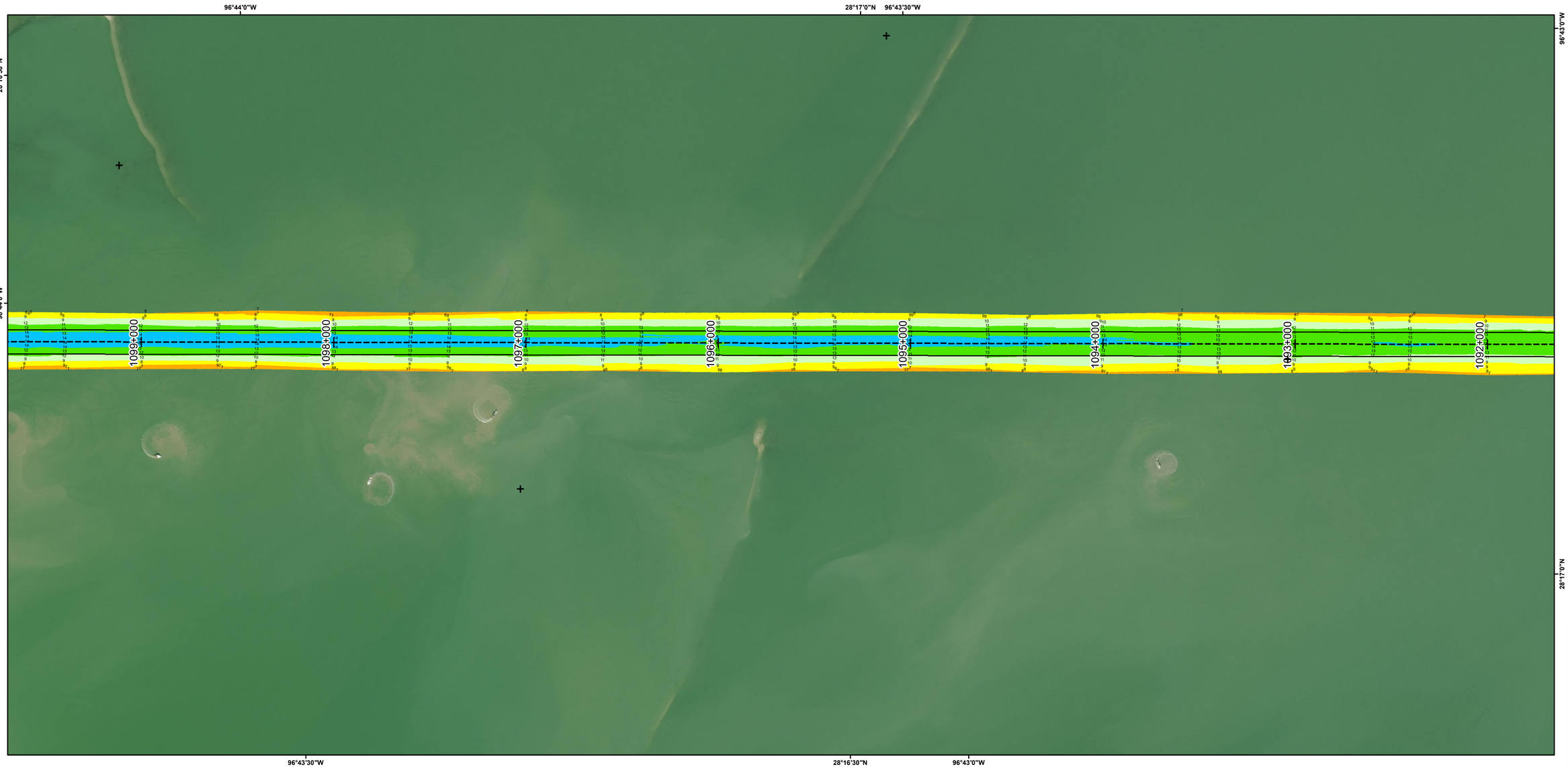
Station: 1070+753.30 to 1121+000
GIWW
, TEXAS

Gulf Intracoastal Waterway: Across San Antonio Bay

U.S. Army Corps of Engineers
Galveston District







Survey Date(s):	11 September 2019
Page:	156 of 190 Map:
Scale:	1:3,000
Mapped by:	m3odnmhg
Additional Info:	
Authorized Depth:	-14ft.
Side Slope Ratio:	(Rise : Run)
Additional Imagery:	© DigitalGlobe Inc.
Print Date:	9/16/2019

Channel Features
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Aids to Navigation
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MLLW

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

NOAA Bathymetry (DREDGING REACH EXTENT)

0 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 50

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HYDROGRAPHIC SURVEY
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CORPS OF ENGINEERS
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Gulf Intracoastal Waterway: Across San Antonio Bay

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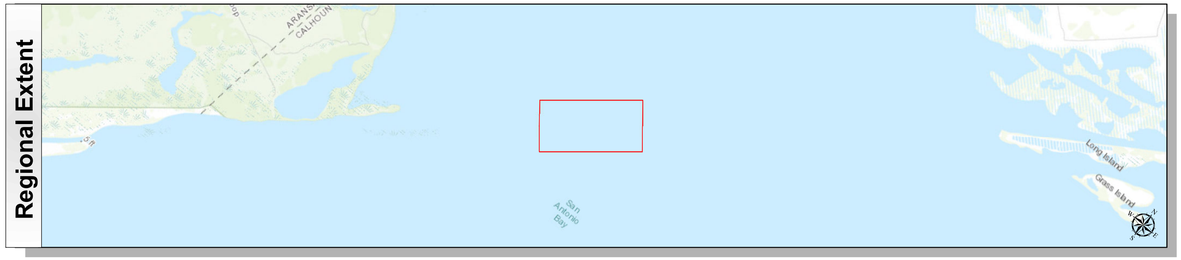

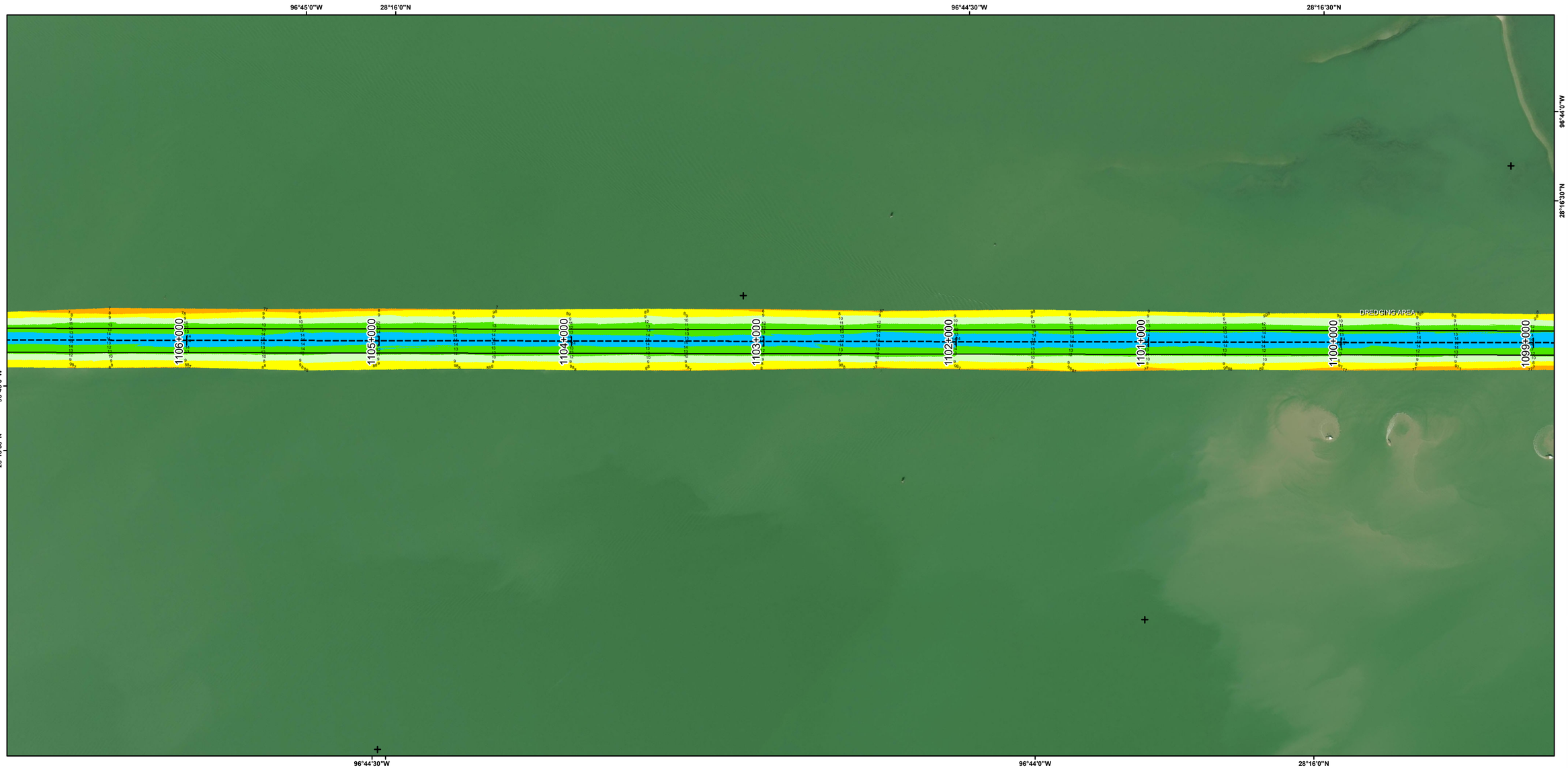

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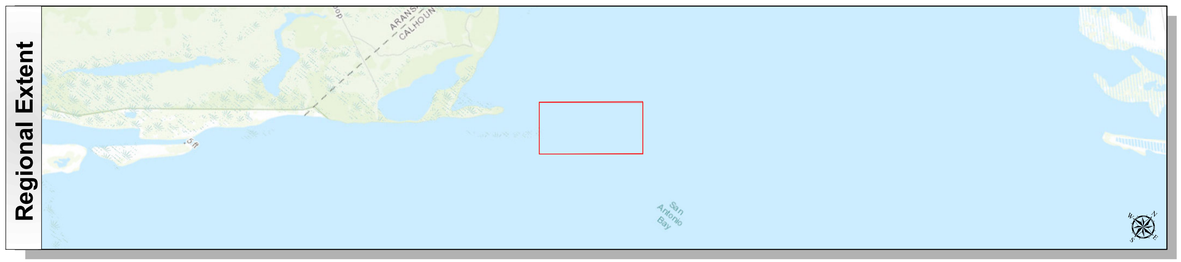

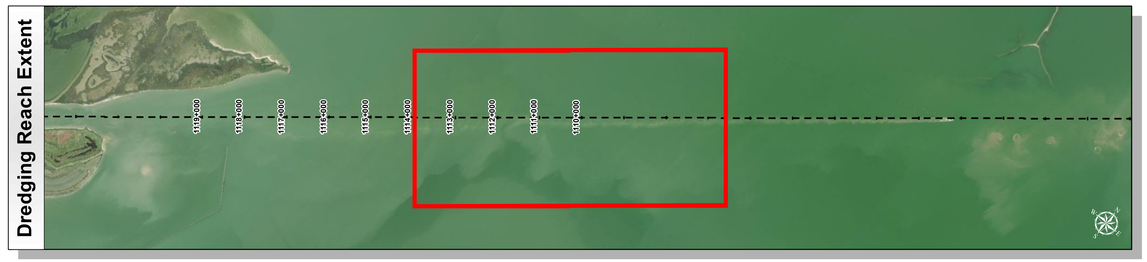

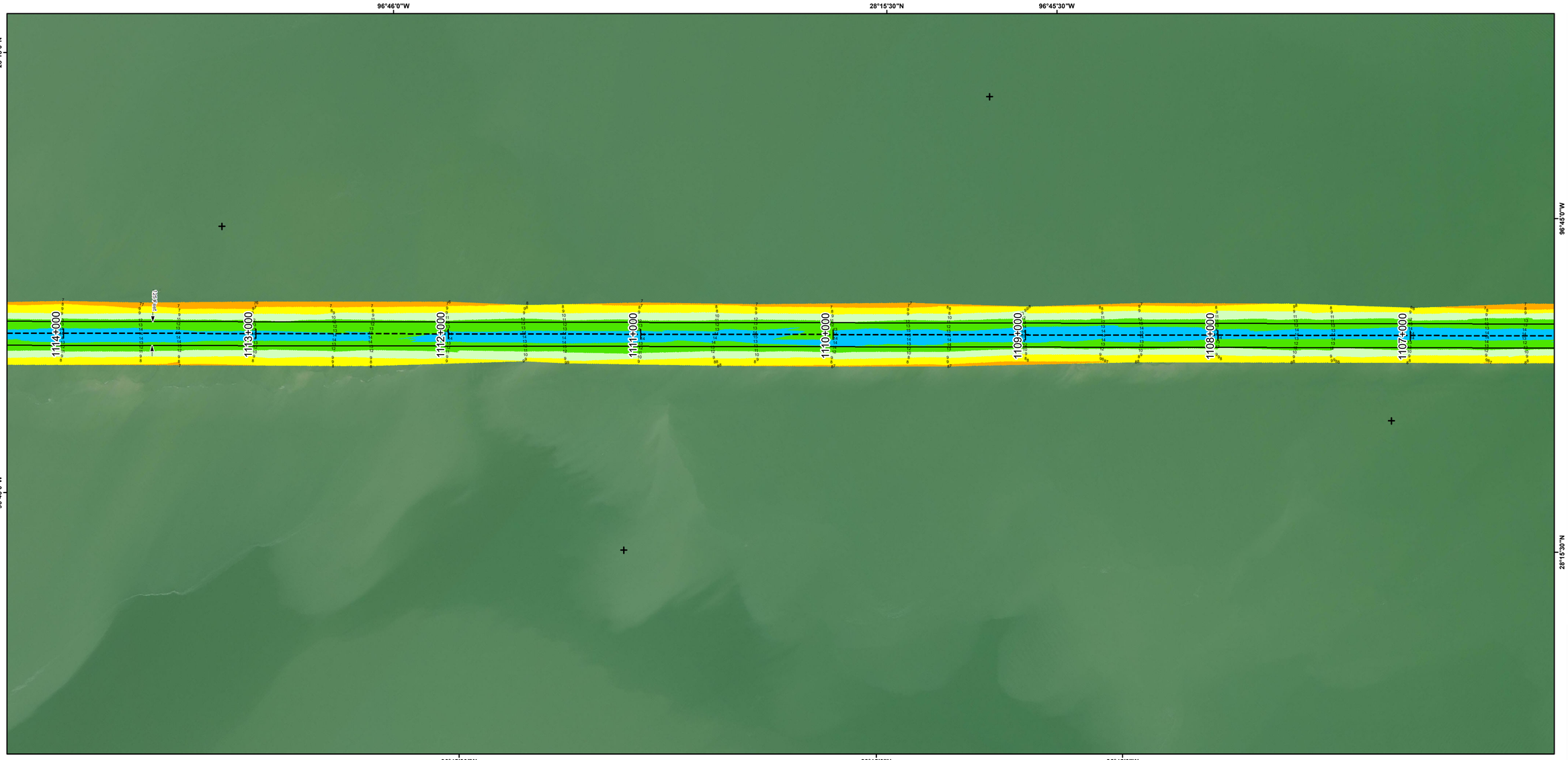

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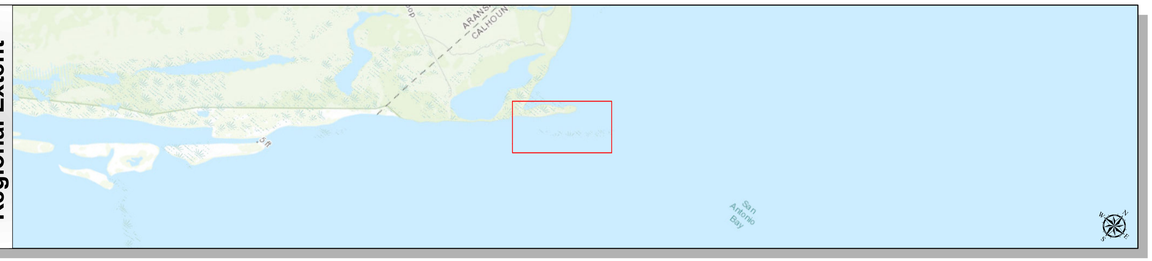
GIWW
, TEXAS

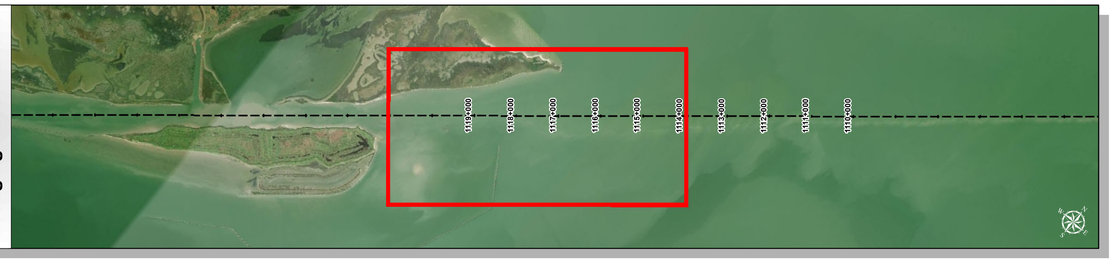
Gulf Intracoastal Waterway: Across San Antonio Bay

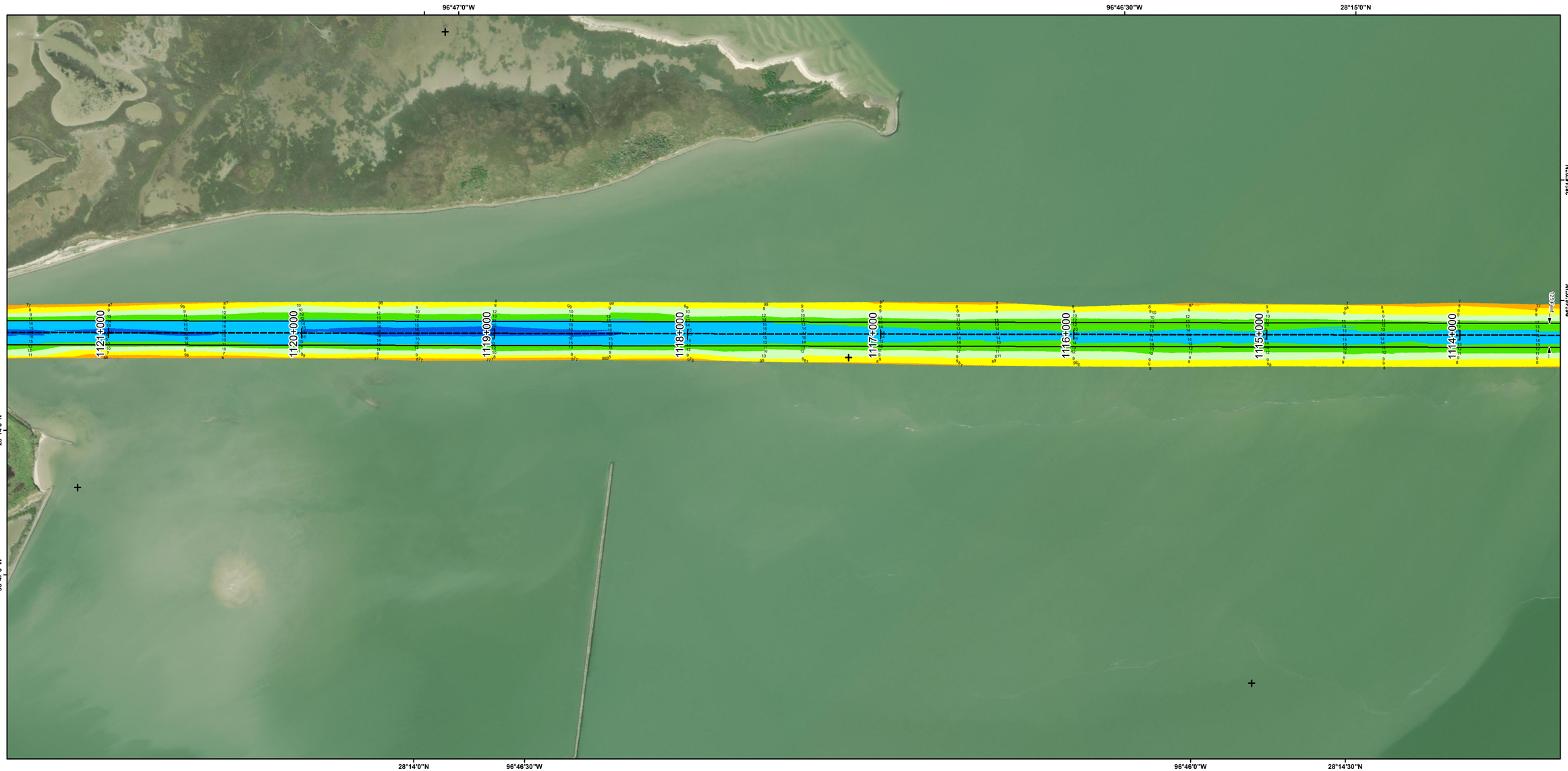
U.S. Army Corps of Engineers
Galveston District

Regional Extent



Dredging Reach Extent





Survey Date(s):	11 September 2019
Page:	159 of 190 Map:
Scale:	1:3,000
Mapped by:	m3odnmhg
Additional Info:	
Authorized Depth:	-14ft.
Side Slope Ratio:	(Rise : Run)
Additional Imagery:	© DigitalGlobe Inc.
Print Date:	9/16/2019

Channel Features
- Channel Toe
- Channel Center Line
- 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

NOAA Bathymetry (DREDGING REACH EXTENT)

0 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 50

NOTES:

1. HORIZONTAL COORDINATES ARE REFERENCED TO TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE NAD83 US SURVEY FEET.
2. ELEVATIONS ARE REFERENCED TO MEAN LOWER LOW TIDE (MLLW) DATUM.
3. THIS PROJECT WAS DESIGNED BY THE GALVESTON DISTRICT OF THE U.S. ARMY CORPS OF ENGINEERS. THE INITIALS AND SIGNATURES AND REGISTRATION DESIGNATIONS OF INDIVIDUALS APPEAR ON THESE PROJECT DOCUMENTS WITHIN THE SCOPE OF THEIR EMPLOYMENT AS REQUIRED BY ER1110-1-8152.
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.SWG.USACE.ARMY.MIL/MISSIONS/NAVIGATION/HYDROGRAPHICSURVEYS/
6. NOAA BATHYMETRY CONTOURS PRODUCED FROM HISTORIC BATHYMETRIC (HYDROGRAPHIC) SURVEYS CONDUCTED BY THE NOAA NATIONAL OCEAN SERVICE/COAST SURVEY. AVAILABLE FROM THE NATIONAL GEOPHYSICAL DATA CENTER. SURVEYS VARY AS TO SOUNDING DENSITY, ACCURACY OF DEPTH, ACCURACY OF NAVIGATION, ZERO DATUM, DATE OF SURVEY AND TYPE OF INSTRUMENTATION.

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Esri, Garmin, GEBCO, NOAA NGDC, and other contributors

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

Dredging Reach Extent
0 0.3 0.6 1.2 Miles

Hydrographic Survey Extent
0 260 520 1,040 Feet

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

Station: 1070+753.30 to 1121+000
GIWW
, TEXAS