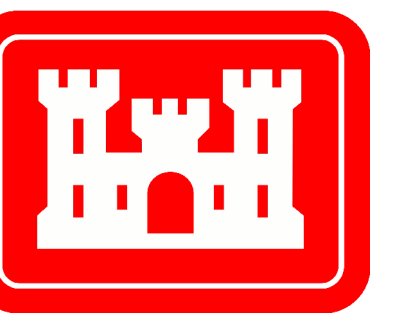
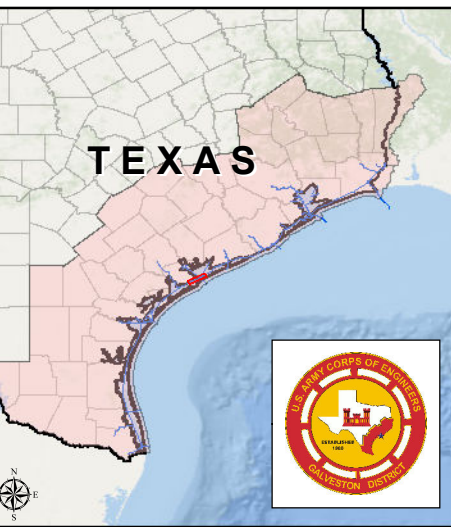


Gulf Intracoastal Waterway: Port O'Connor to San Antonio Bay



U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



Survey Date(s):	SURVEY_DATE	Authorized Depth:	-14ft.
Page:	140 of 190	Side Slope Ratio: (Rise : Run)	
Scale:	1:3,200	Additional Imagery:	© DigitalGlobe Inc.
Mapped by:	m3odmnm	Print Date:	9/16/2019
Additional Info:			

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

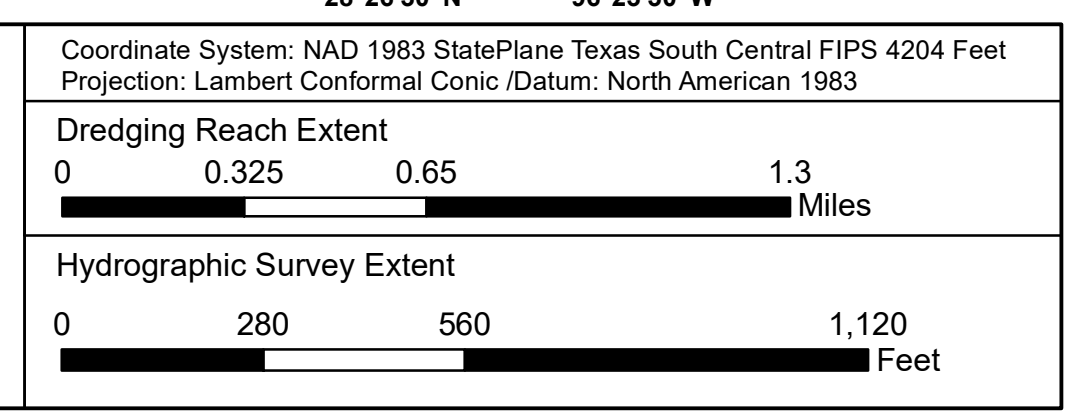
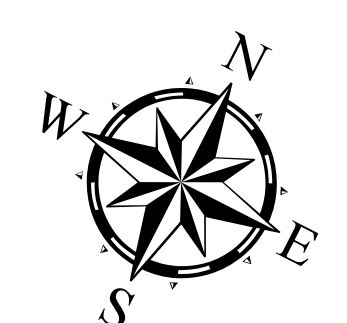
NOAA Bathymetry (DREDGING REACH EXTENT)

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

NOTES:

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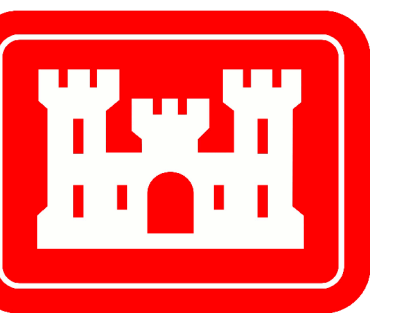
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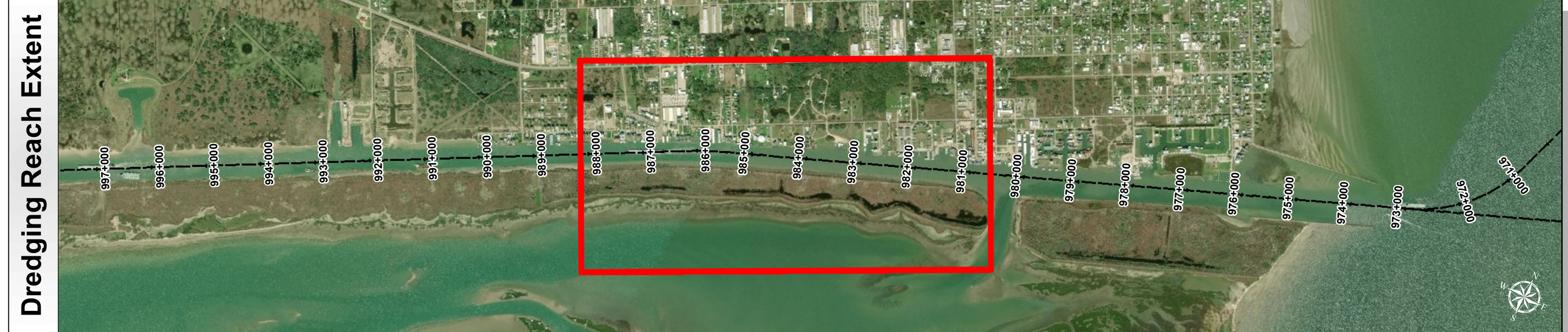
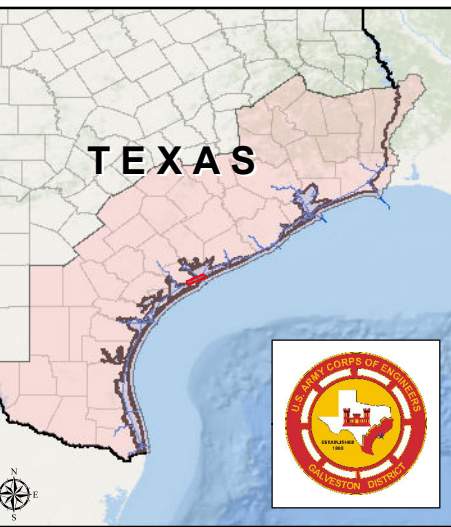
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 972+939.05 to 1070+753.30
GIWW
PORT O'CONNOR, TEXAS

Gulf Intracoastal Waterway: Port O'Connor to San Antonio Bay



U.S. Army Corps of Engineers
Galveston District

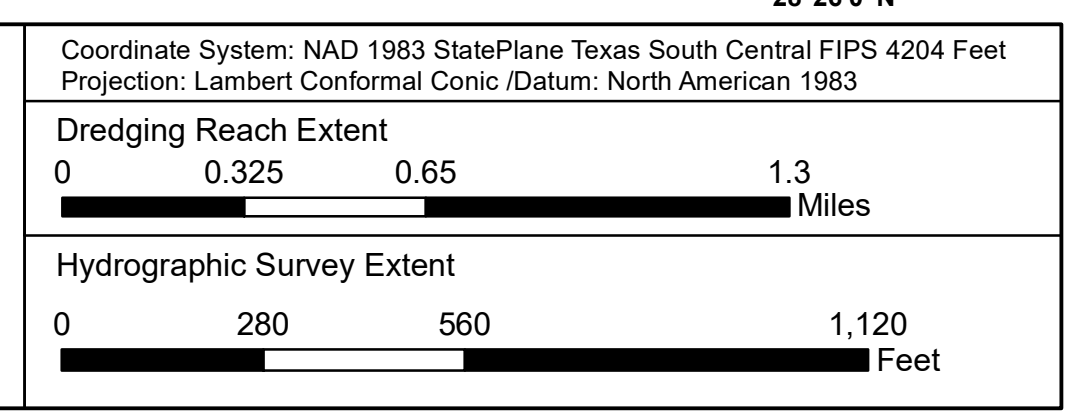


Channel Features	Aids to Navigation	MLLW
<ul style="list-style-type: none"> Channel Toe Channel Center Line Channel Station Lines Channel Dimensions 	<ul style="list-style-type: none"> Green Side Aids Red Side Aids Lights 	
NOAA Bathymetry (DREDGING REACH EXTENT) 		

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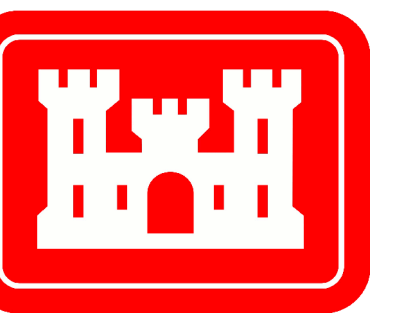


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Mapped by:	m3odmmg	Print Date:	9/16/2019
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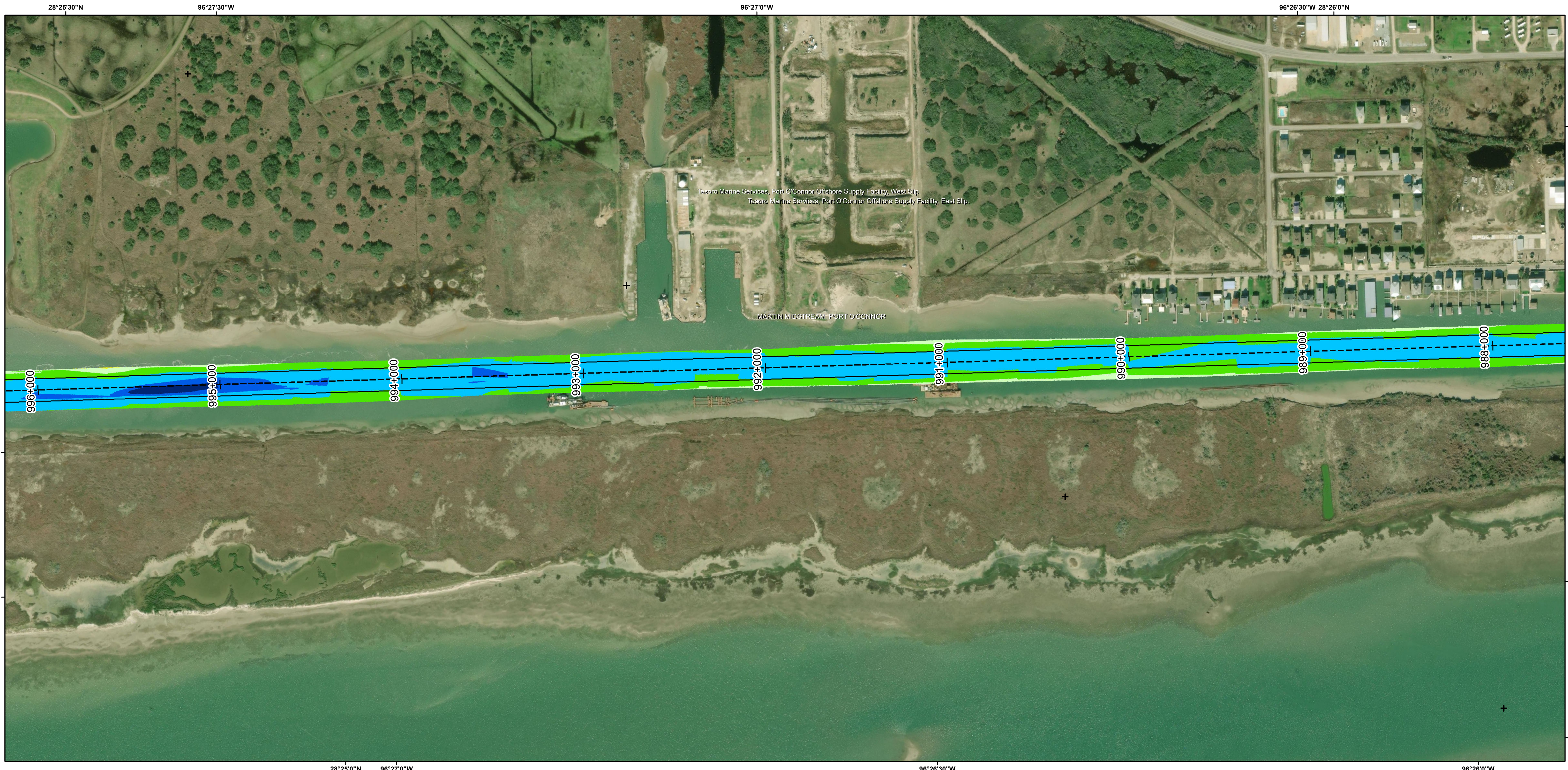
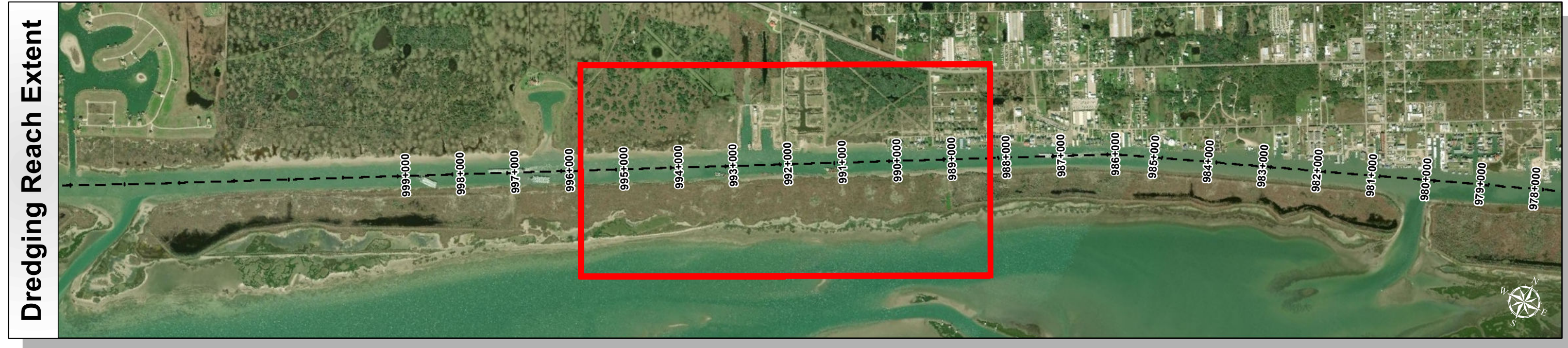
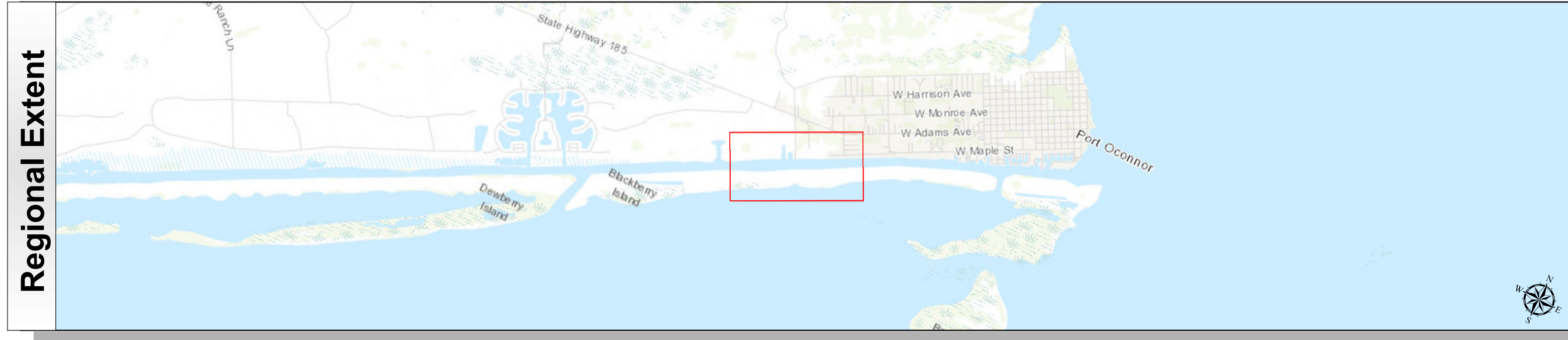
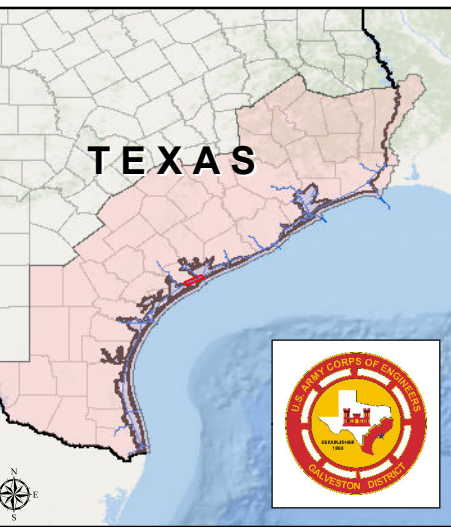
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U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 972+939.05 to 1070+753.30
GIWW
PORT O'CONNOR, TEXAS

Gulf Intracoastal Waterway: Port O'Connor to San Antonio Bay



U.S. Army Corps of Engineers
Galveston District

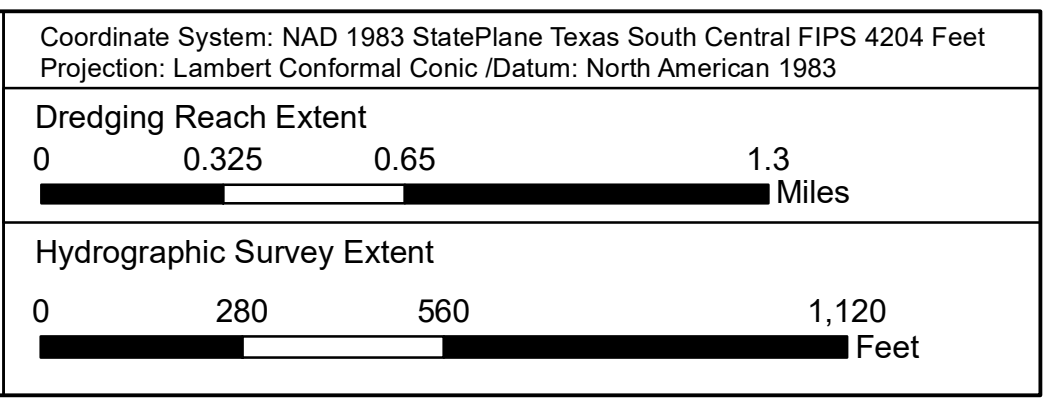


Channel Features	Aids to Navigation	MLLW
<ul style="list-style-type: none"> Channel Toe Channel Center Line Channel Station Lines Channel Dimensions 	<ul style="list-style-type: none"> Green Side Aids Red Side Aids Lights 	<p>0 - 4 4 - 6 6 - 8 8 - 10 10 - 12 12 - 14 14 - 16 16 - 18 < 18</p> <p>NOAA Bathymetry (DREDGING REACH EXTENT)</p> <p>0 - 10 10 - 15 15 - 20 20 - 25 25 - 30 30 - 50</p>

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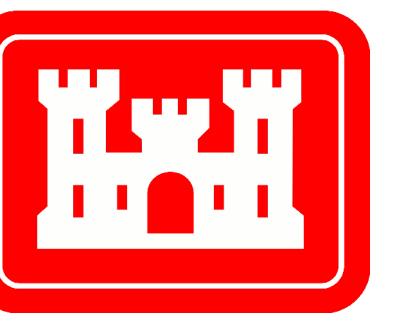


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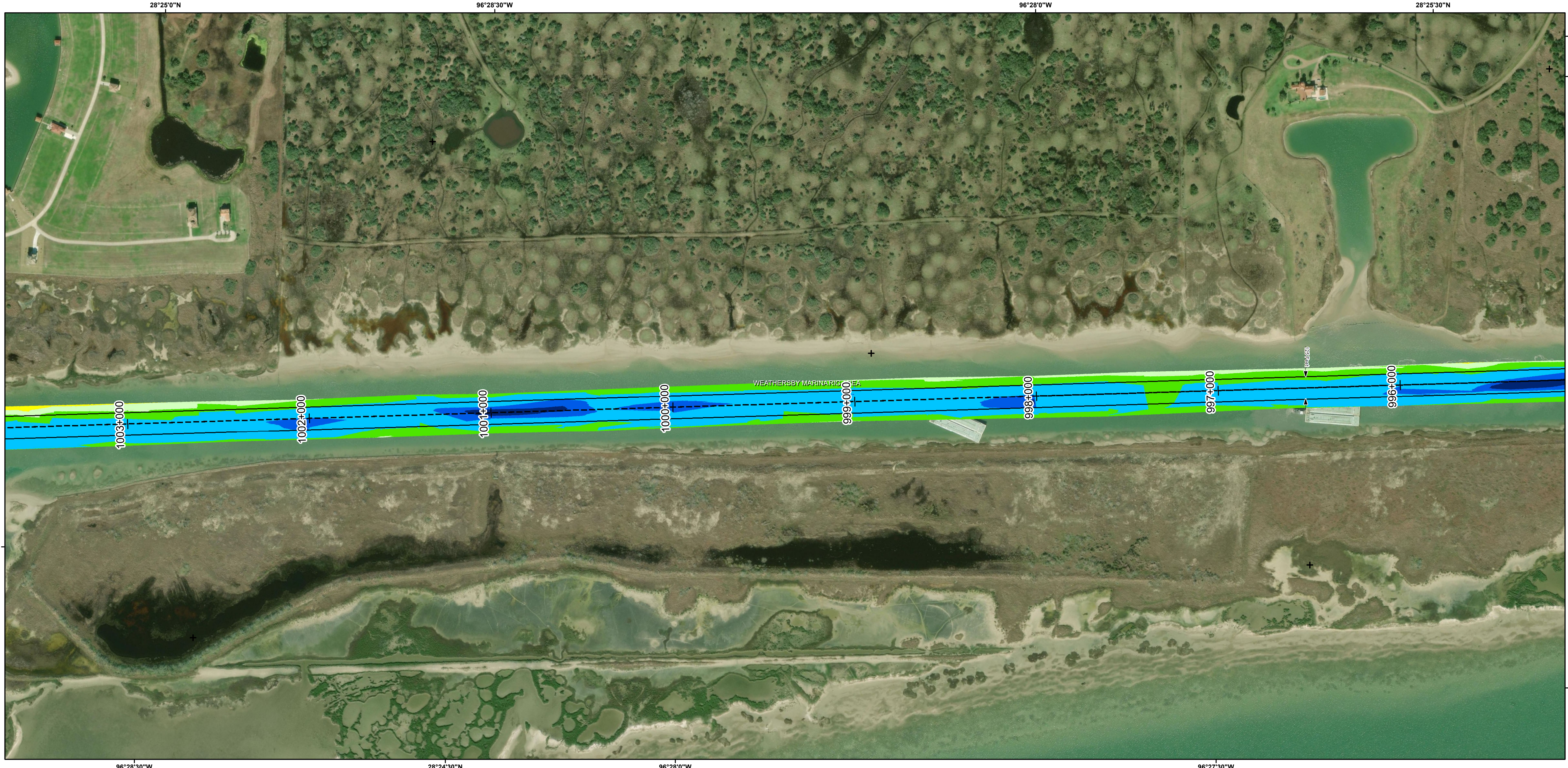
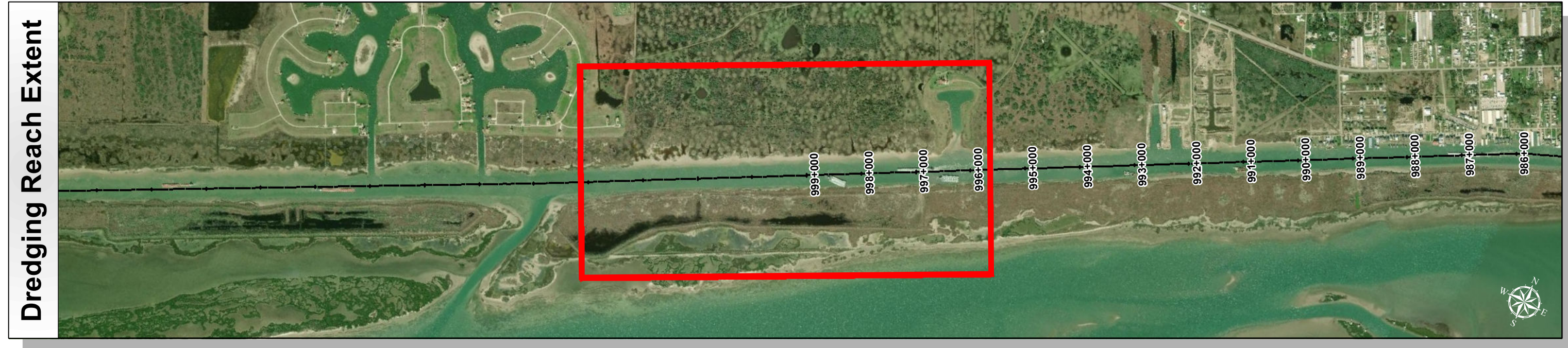
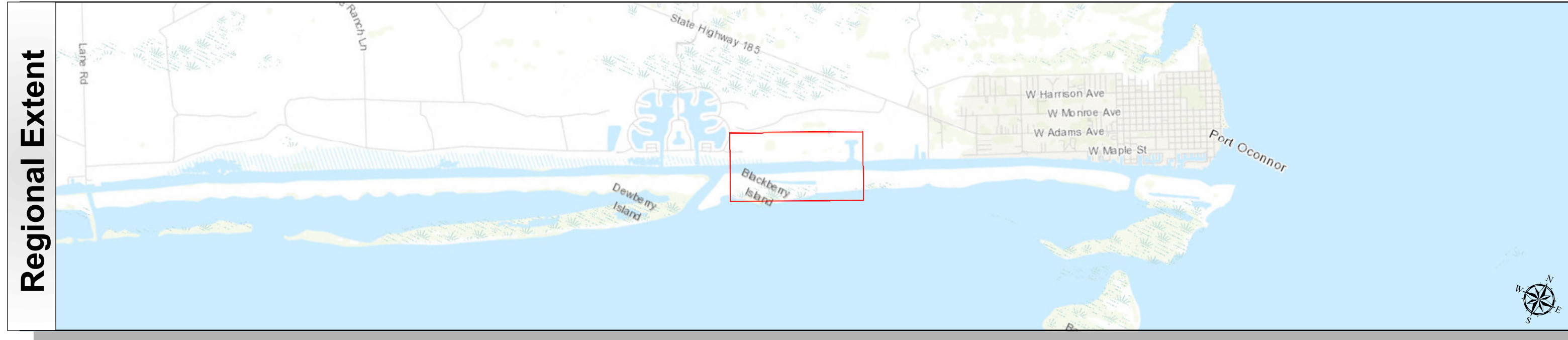
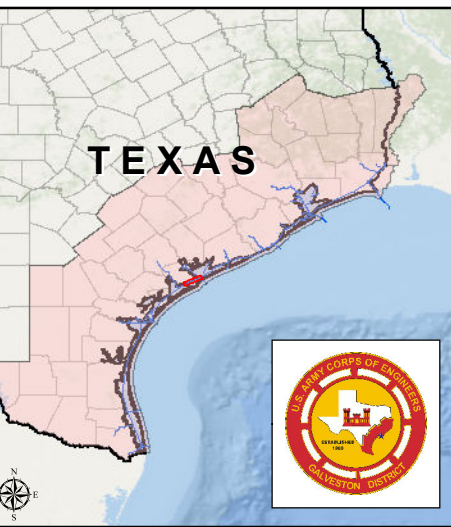
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 972+939.05 to 1070+753.30
GIWW
PORT O'CONNOR, TEXAS

Gulf Intracoastal Waterway: Port O'Connor to San Antonio Bay



U.S. Army Corps of Engineers
Galveston District



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 0.325 0.65 1.3
Miles

Hydrographic Survey Extent

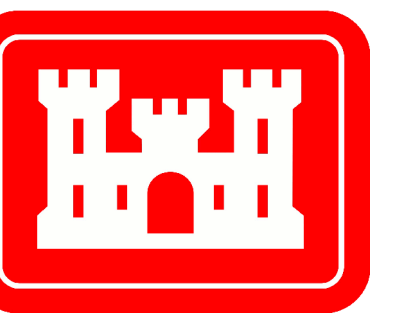
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Feet

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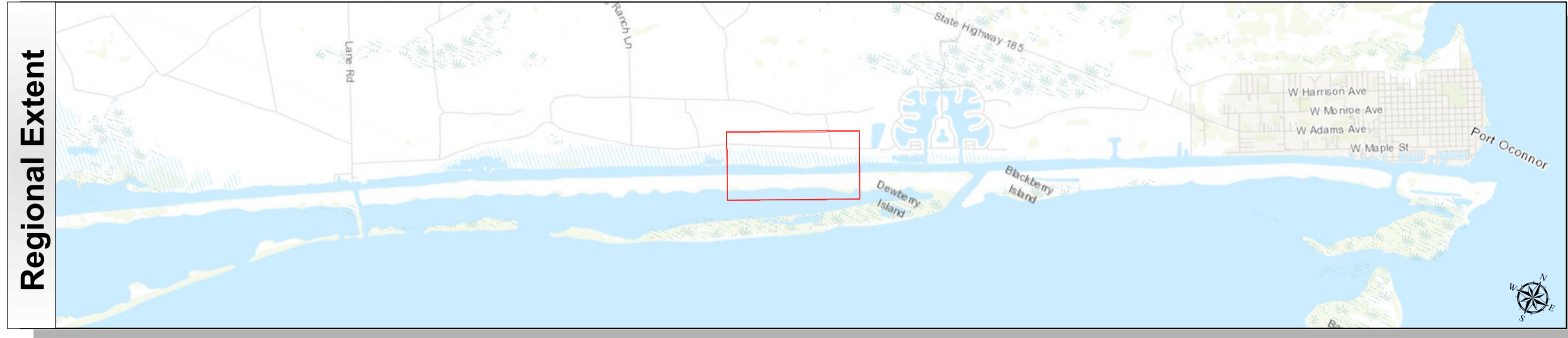
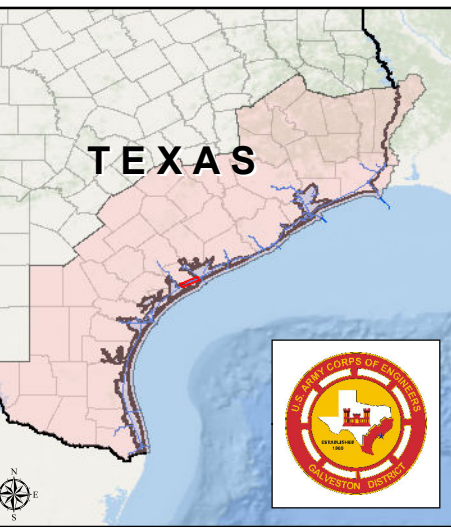
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GIWW
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Gulf Intracoastal Waterway: Port O'Connor to San Antonio Bay



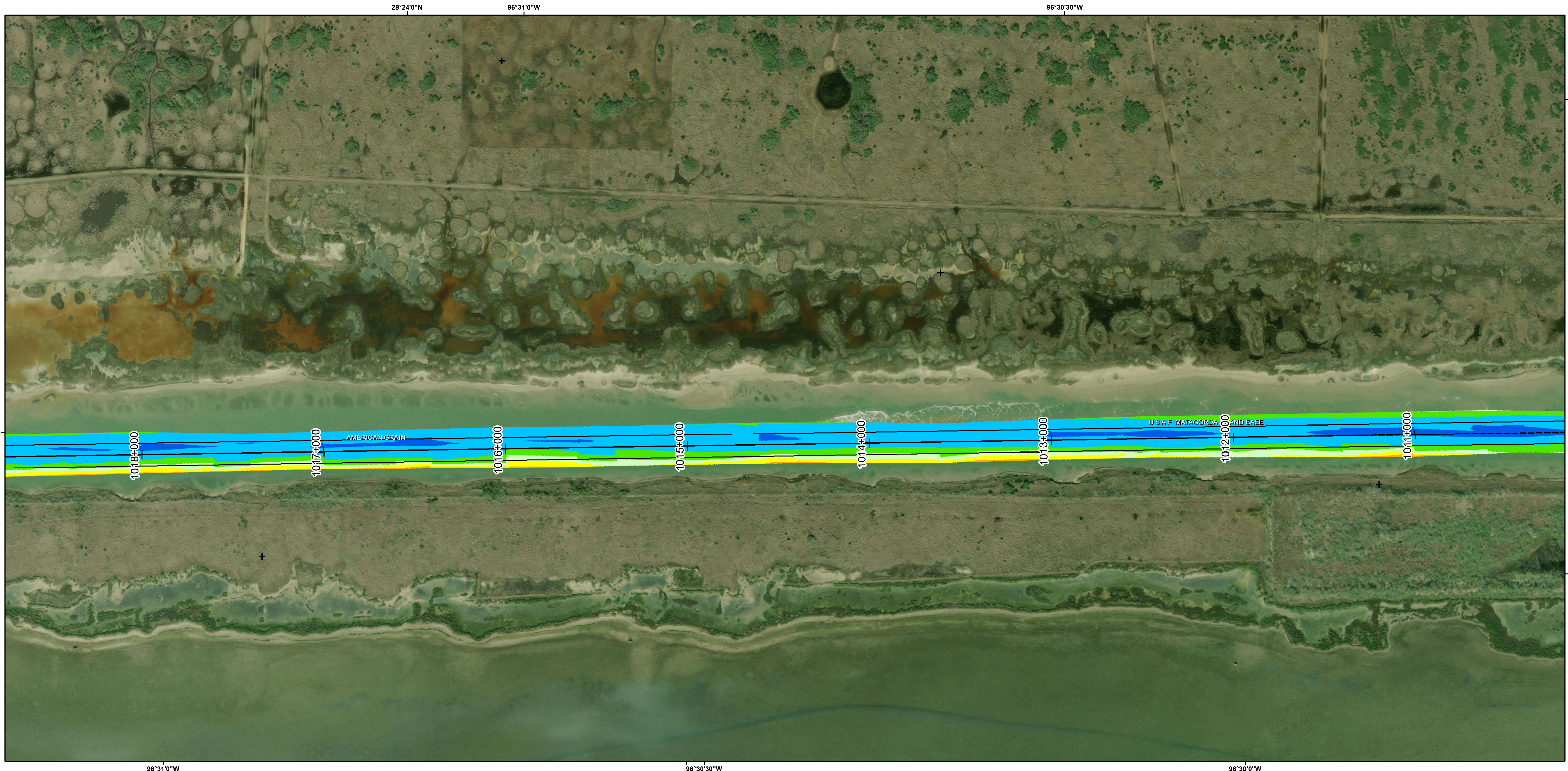
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



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
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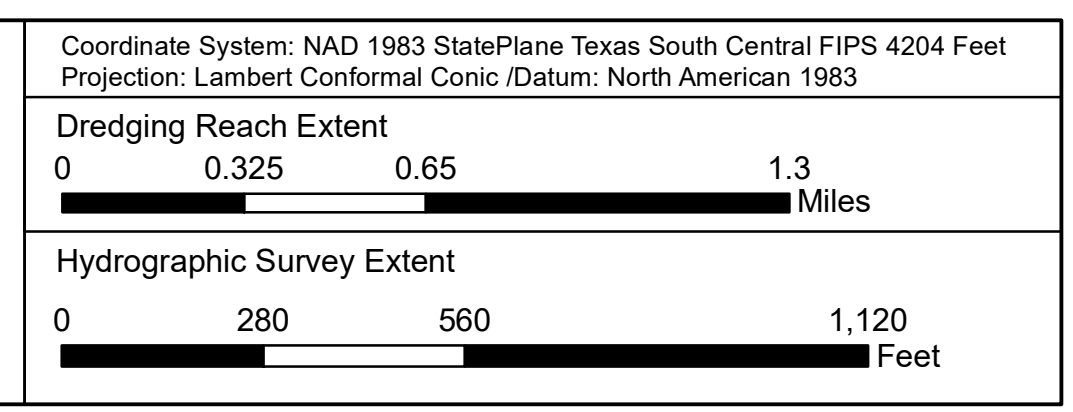
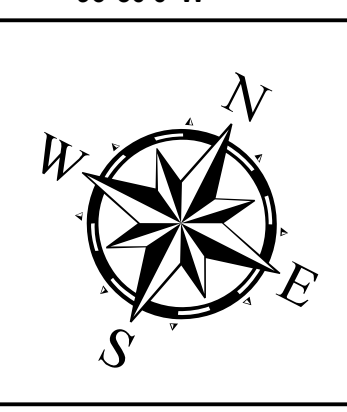
NOAA Bathymetry (DREDGING REACH EXTENT)

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

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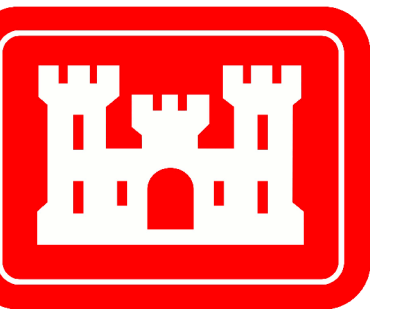


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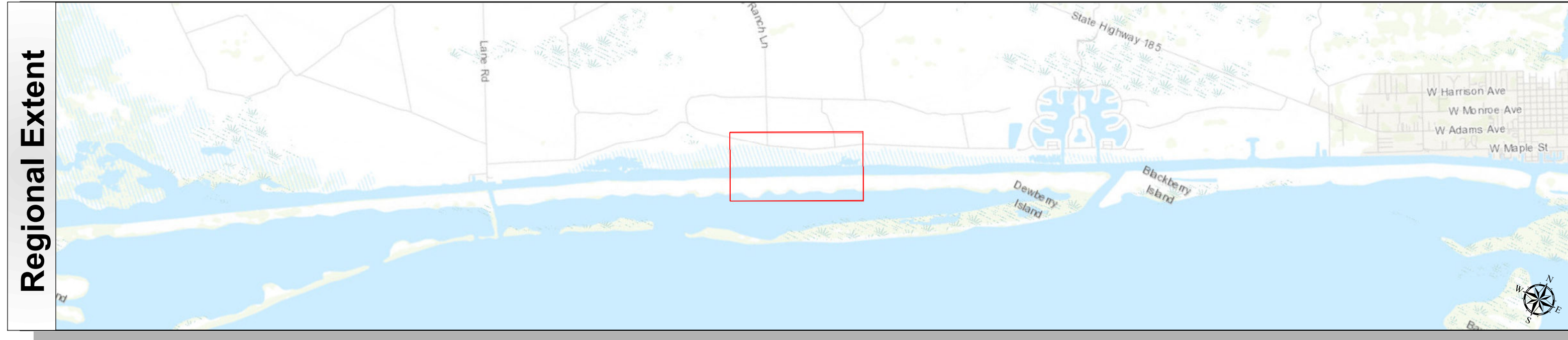
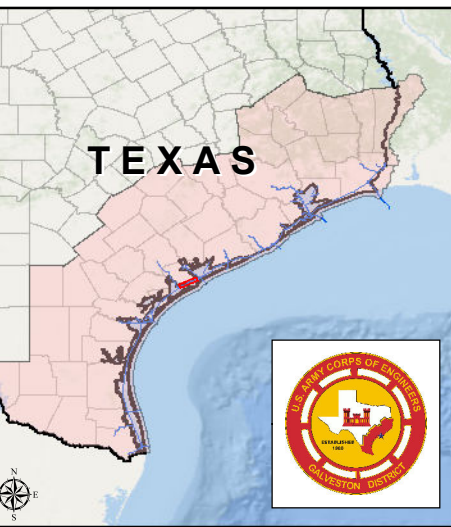
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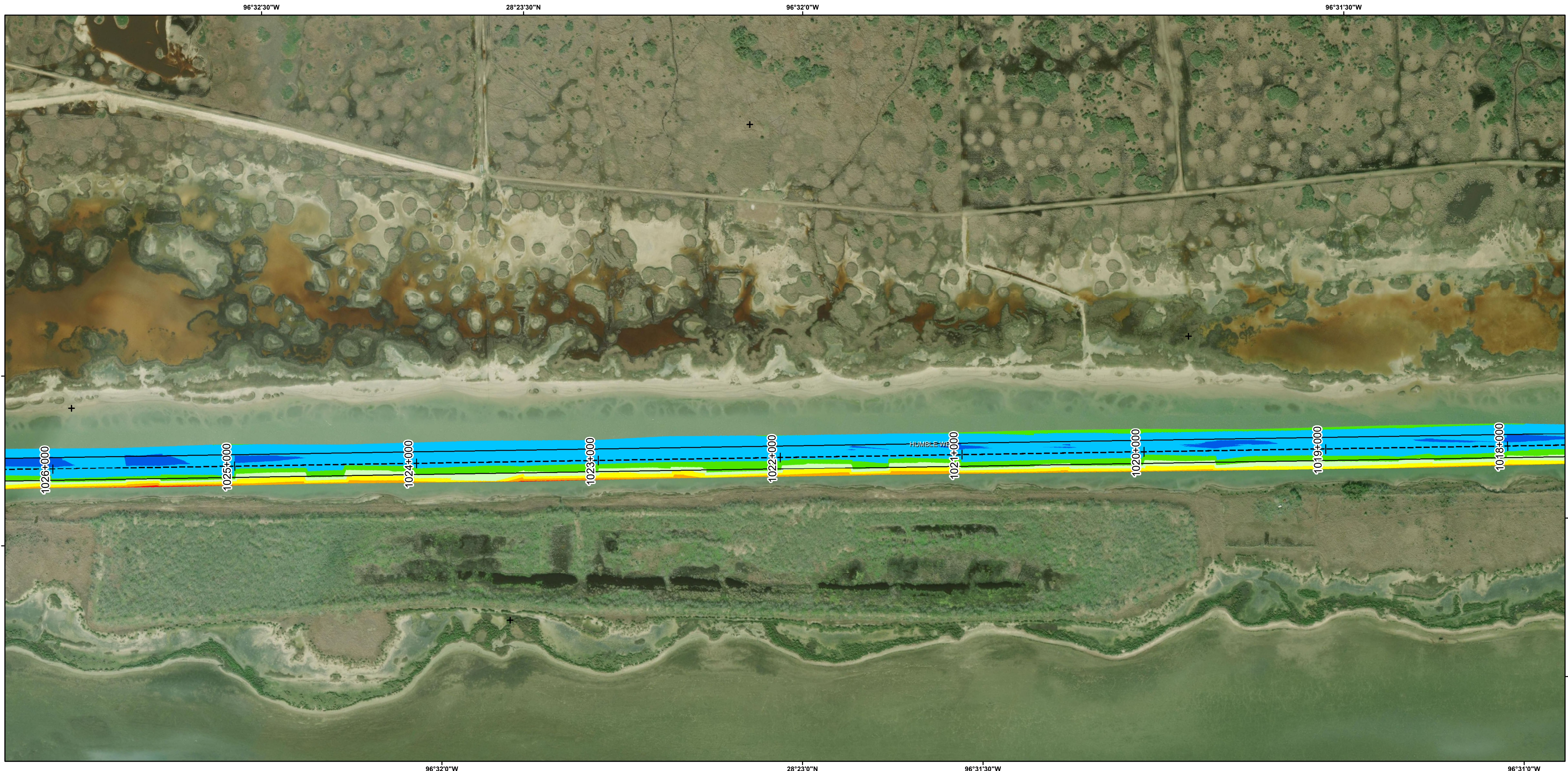
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



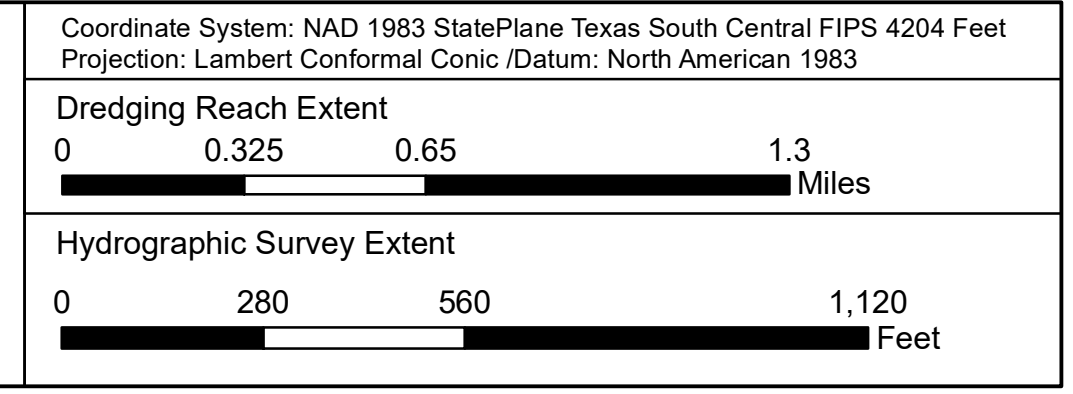
Channel Features	Aids to Navigation	MLLW						
<ul style="list-style-type: none"> Channel Toe Channel Center Line Channel Station Lines Channel Dimensions 	<ul style="list-style-type: none"> Green Side Aids Red Side Aids Lights 	<p>NOAA Bathymetry (DREDGING REACH EXTENT)</p> <table border="1"> <tr> <td>0 - 10</td> <td>10 - 15</td> <td>15 - 20</td> <td>20 - 25</td> <td>25 - 30</td> <td>30 - 50</td> </tr> </table>	0 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 50
0 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 50			

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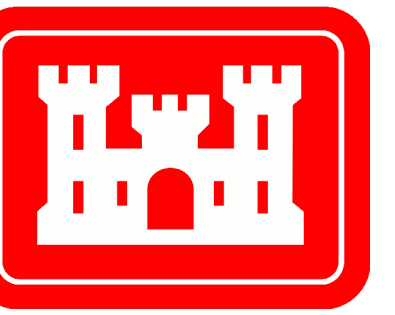


Survey Date(s):	SURVEY_DATE	Authorized Depth:	-14ft.
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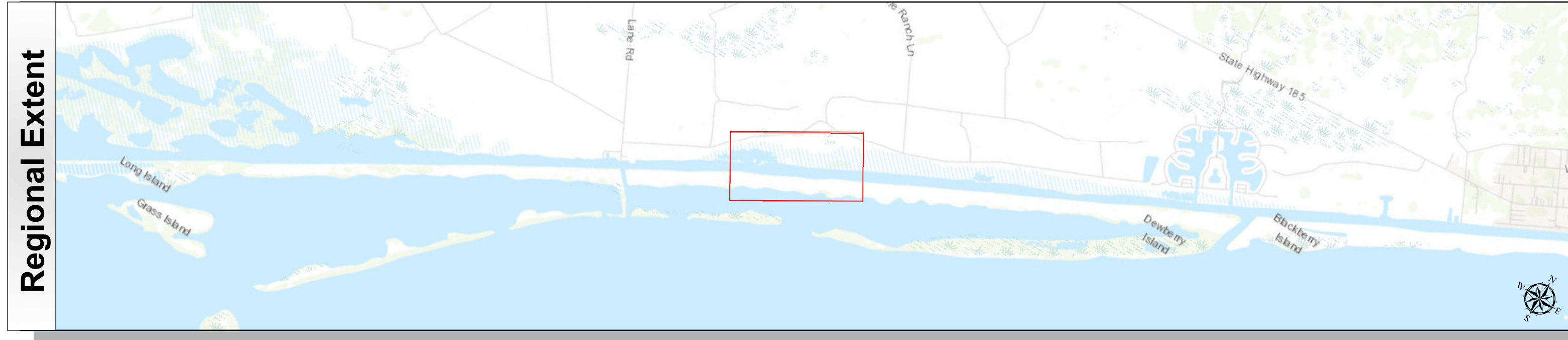
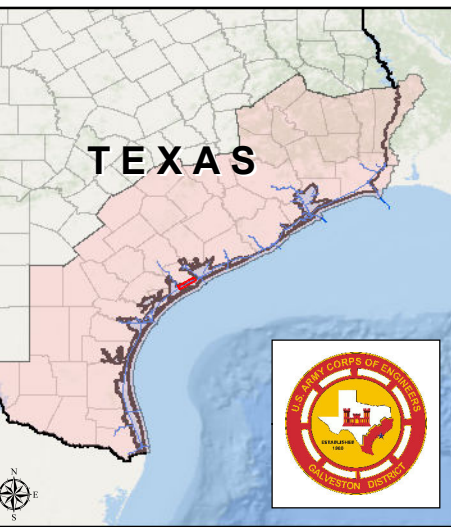
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 972+939.05 to 1070+753.30
GIWW
PORT O'CONNOR, TEXAS

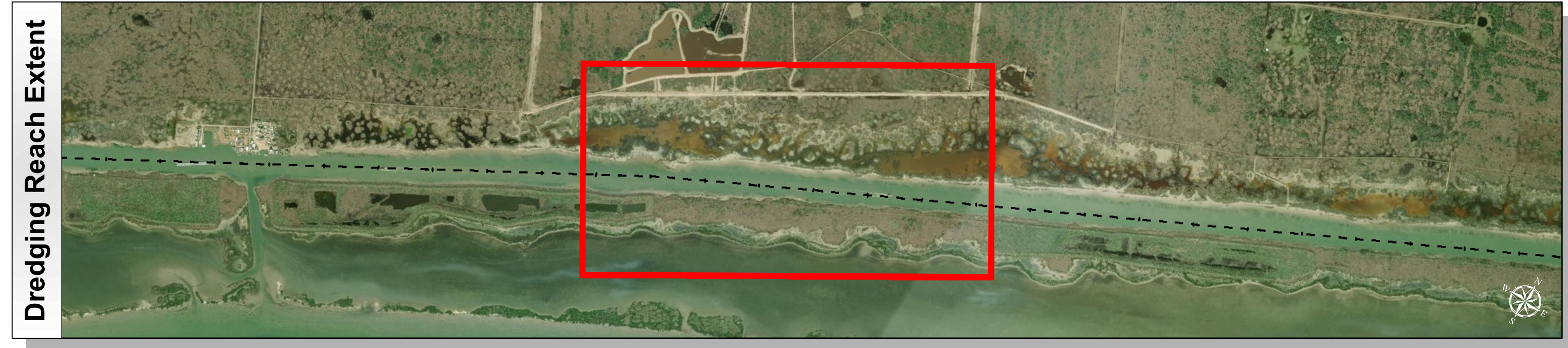
Gulf Intracoastal Waterway: Port O'Connor to San Antonio Bay



U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



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 0.325 0.65 1.3
Miles

Hydrographic Survey Extent

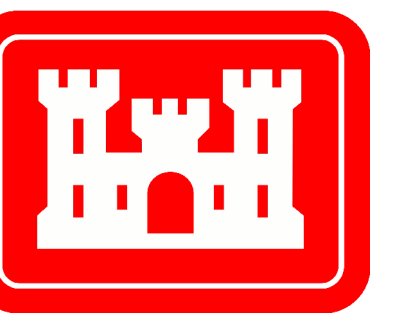
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Feet

Survey Date(s):	SURVEY_DATE	Authorized Depth: -14ft.
Page:	147 of 190	Side Slope Ratio: (Rise : Run)
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Mapped by:	m3odmnm	Print Date: 9/16/2019
Additional Info:		

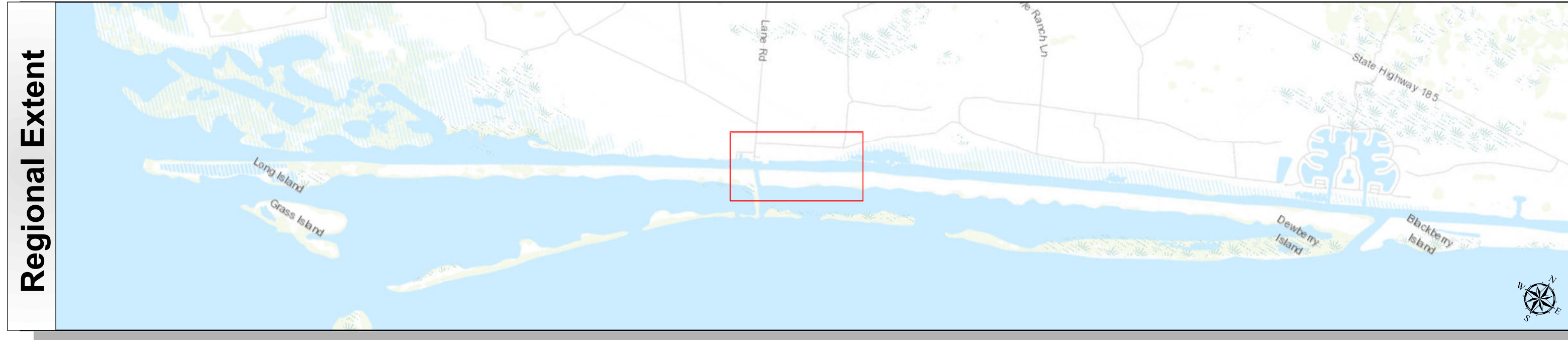
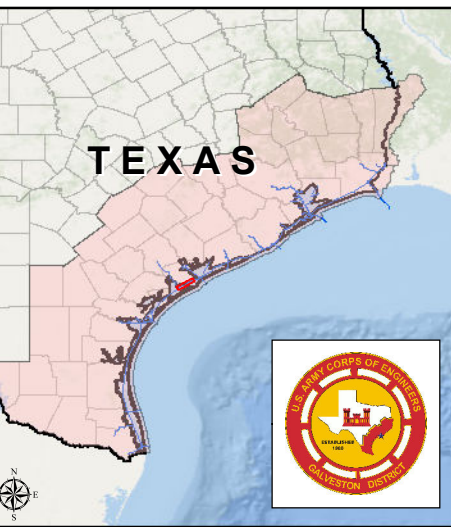
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 972+939.05 to 1070+753.30
GIWW
PORT O'CONNOR, TEXAS

Gulf Intracoastal Waterway: Port O'Connor to San Antonio Bay



U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



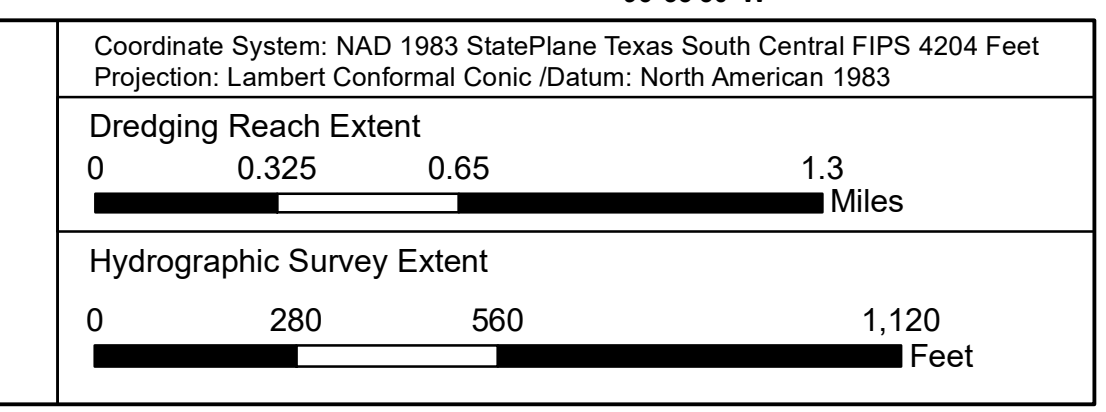
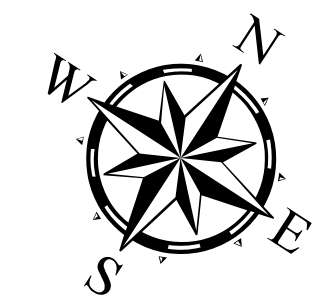
Channel Features	Aids to Navigation	MLLW
<ul style="list-style-type: none"> Channel Toe Channel Center Line Channel Station Lines Channel Dimensions 	<ul style="list-style-type: none"> Green Side Aids Red Side Aids Lights 	<p>0 - 4 4 - 6 6 - 8 8 - 10 10 - 12 12 - 14 14 - 16 16 - 18 < 18</p> <p>NOAA Bathymetry (DREDGING REACH EXTENT)</p> <p>0 - 10 10 - 15 15 - 20 20 - 25 25 - 30 30 - 50</p>

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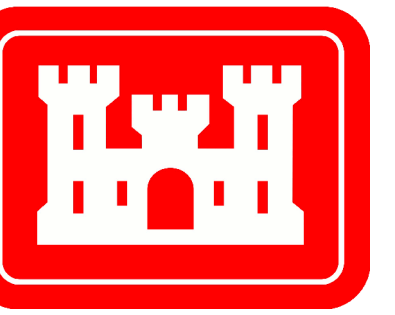


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Mapped by:	m3odmnm	Print Date: 9/16/2019
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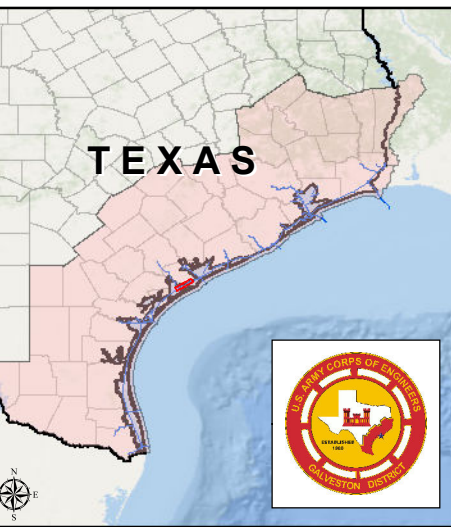
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 972+939.05 to 1070+753.30
GIWW
PORT O'CONNOR, TEXAS

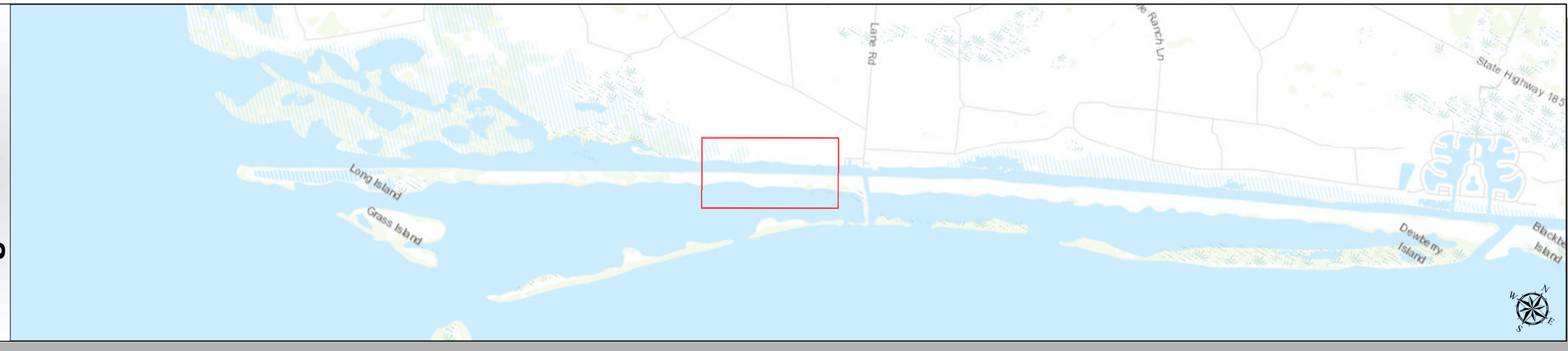
Gulf Intracoastal Waterway: Port O'Connor to San Antonio Bay



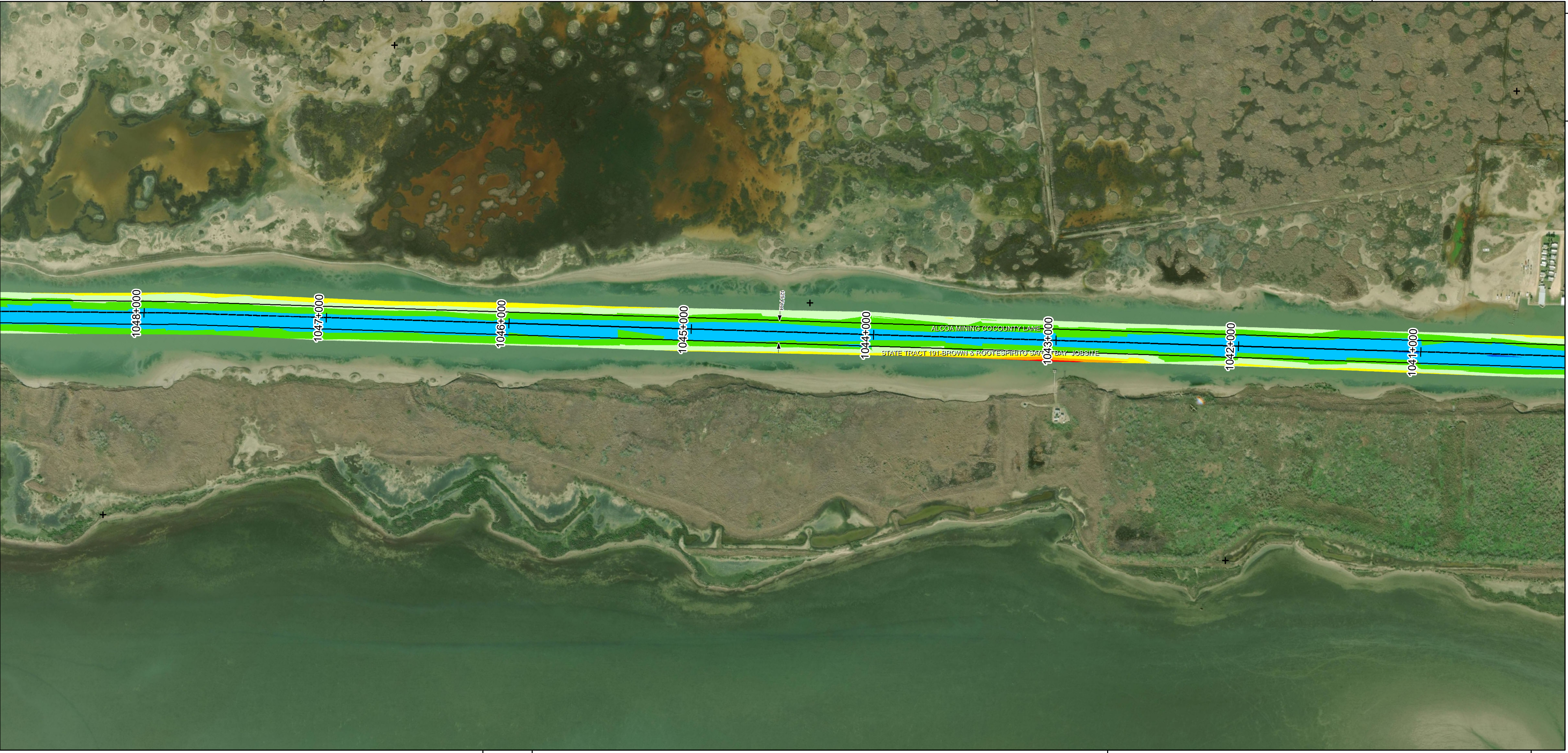
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



Survey Date(s):	SURVEY_DATE	Authorized Depth:	-14ft.
Page:	149 of 190	Side Slope Ratio: (Rise : Run)	
Scale:	1:3,200	Additional Imagery:	© DigitalGlobe Inc.
Mapped by:	m3odmmg	Print Date:	9/16/2019
Additional Info:			

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)

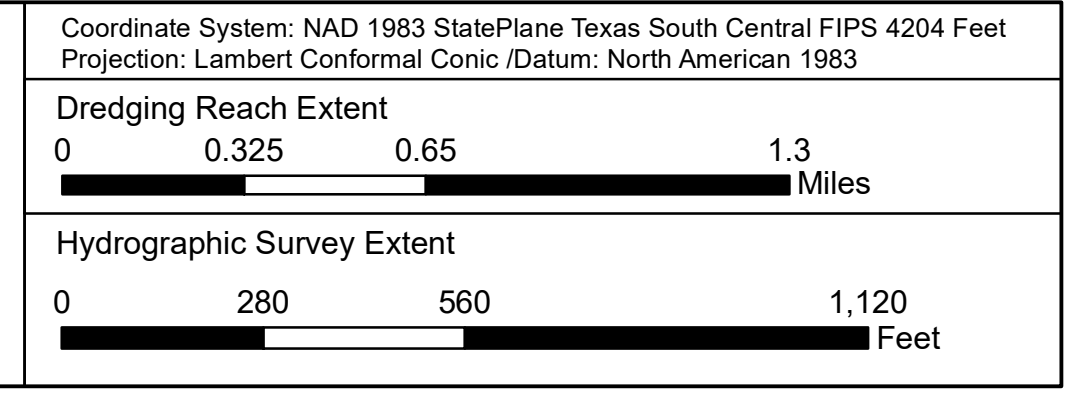
0 - 10
10 - 15
15 - 20
20 - 25
25 - 30
30 - 50

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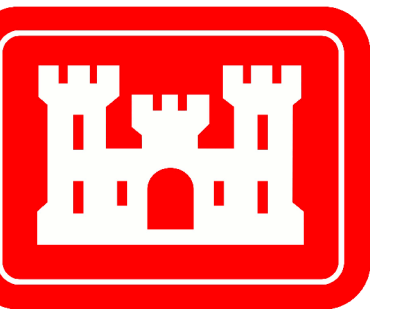
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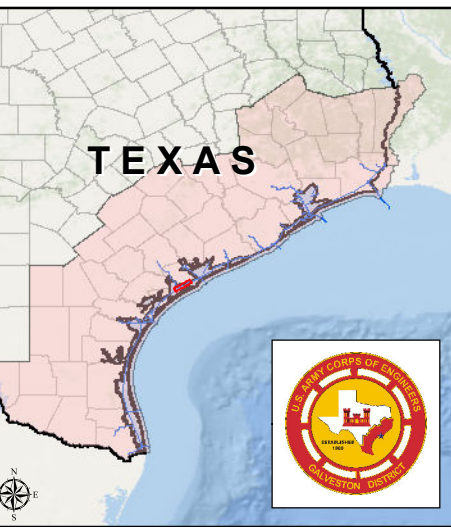
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 972+939.05 to 1070+753.30
GIWW
PORT O'CONNOR, TEXAS

Gulf Intracoastal Waterway: Port O'Connor to San Antonio Bay



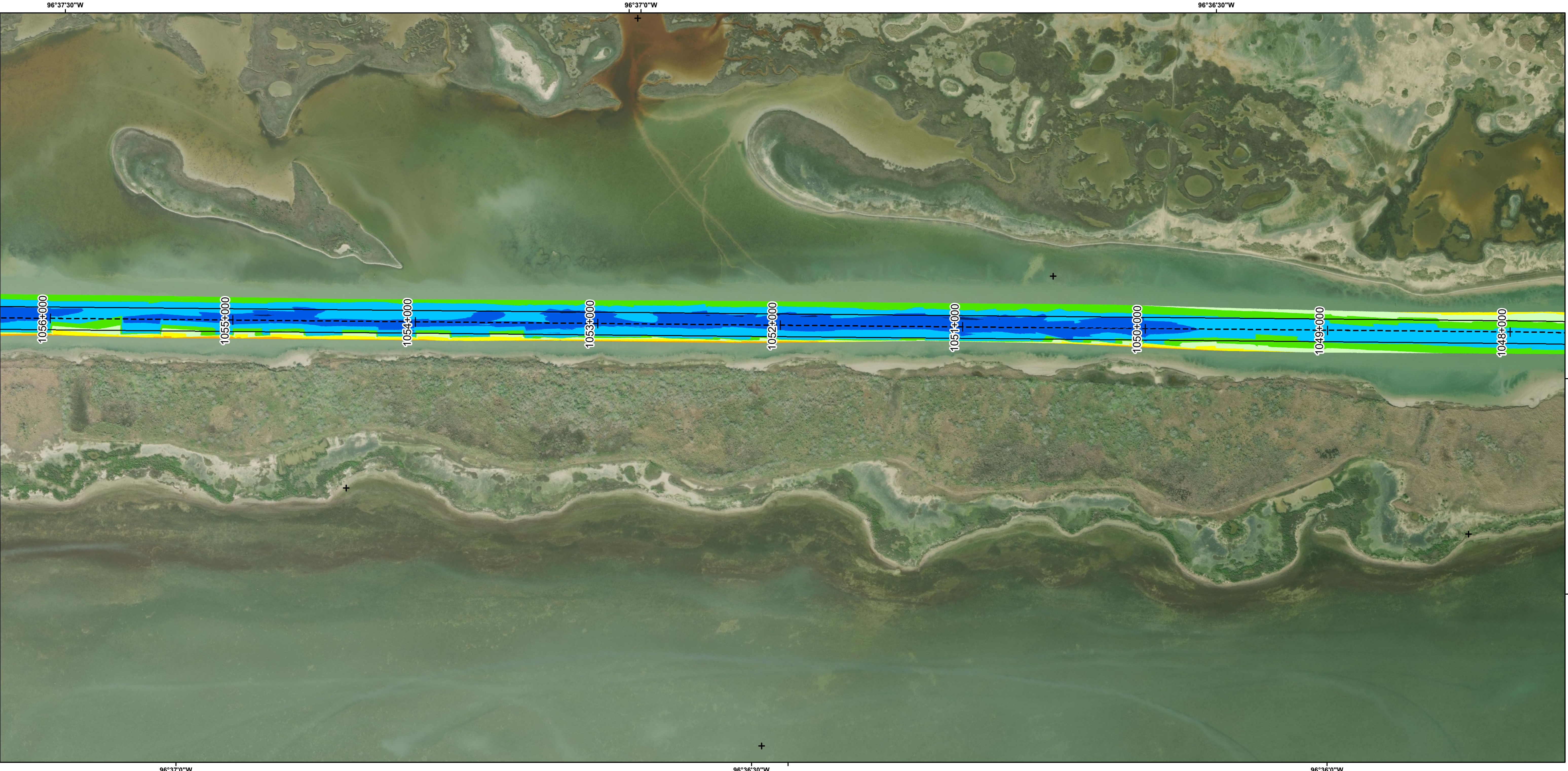
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



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

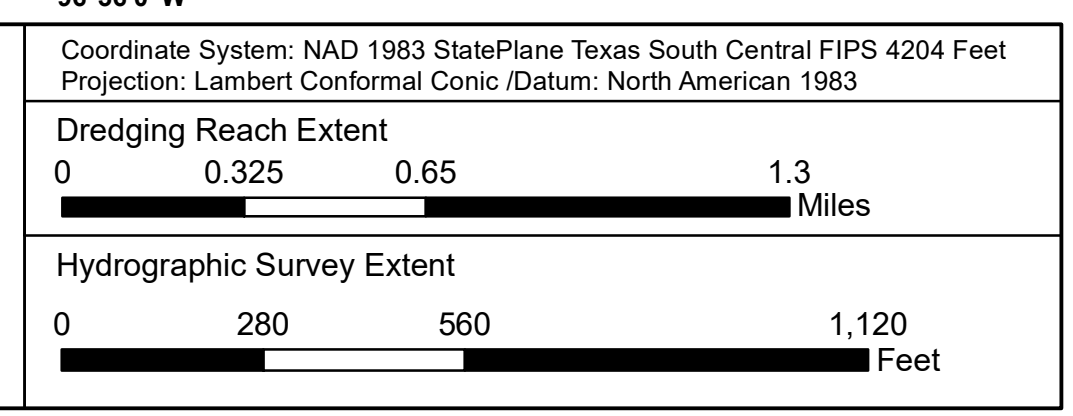
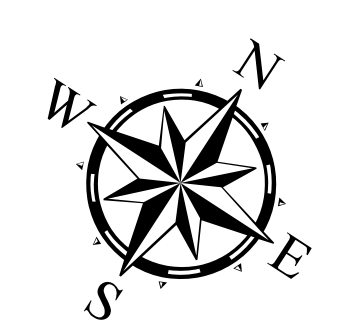
NOAA Bathymetry (DREDGING REACH EXTENT)

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

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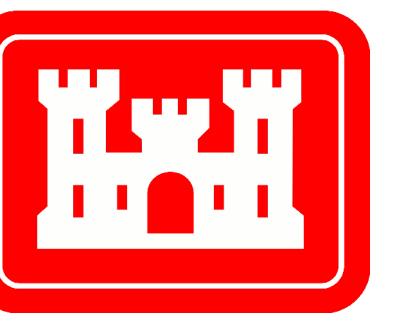


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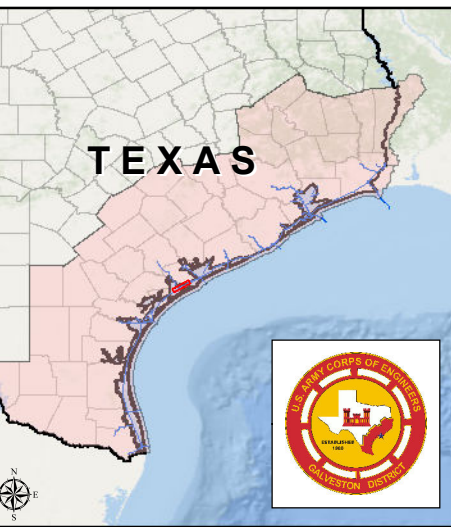
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CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 972+939.05 to 1070+753.30
GIWW
PORT O'CONNOR, TEXAS

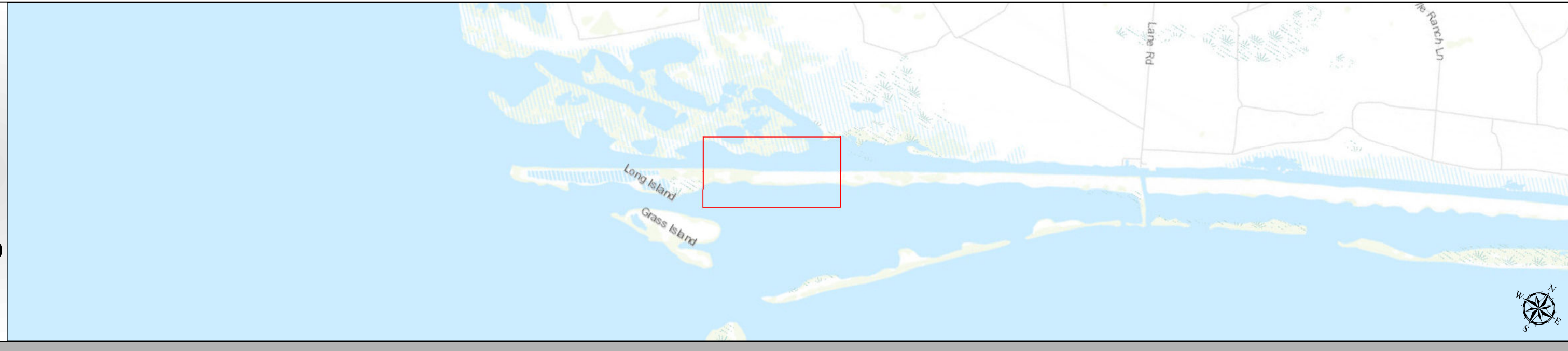
Gulf Intracoastal Waterway: Port O'Connor to San Antonio Bay



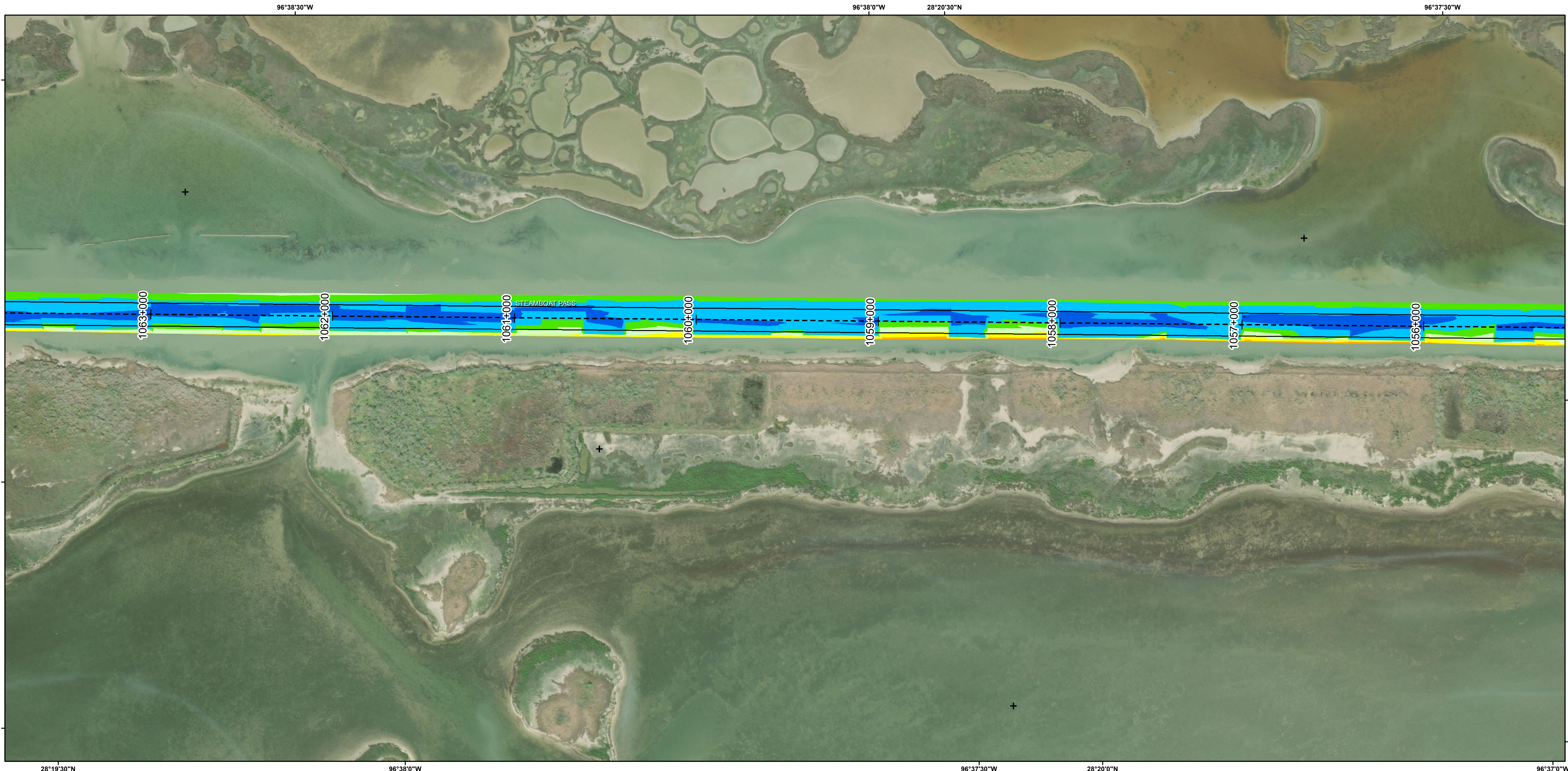
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



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)

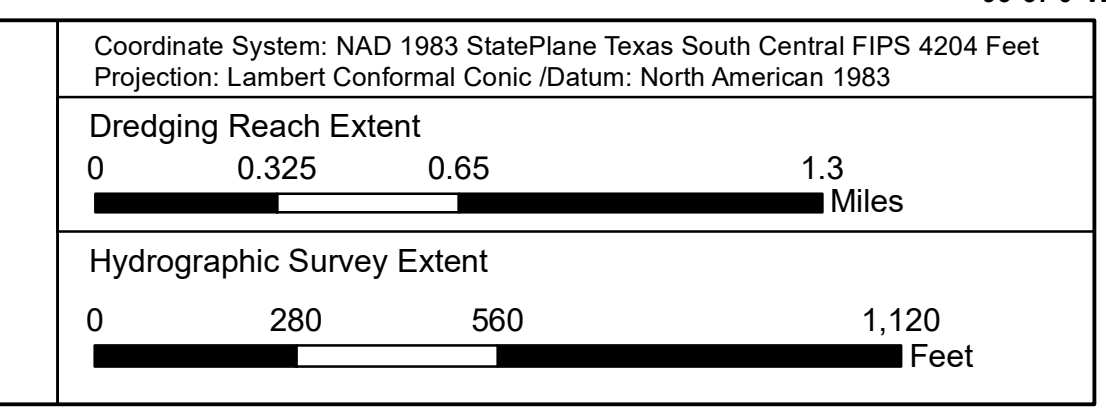
0 - 10 10 - 15 15 - 20 20 - 25 25 - 30 30 - 50

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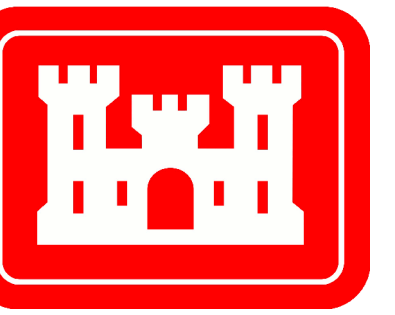


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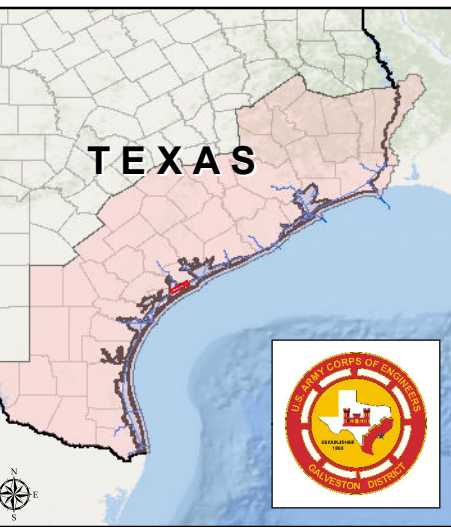
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Gulf Intracoastal Waterway: Port O'Connor to San Antonio Bay



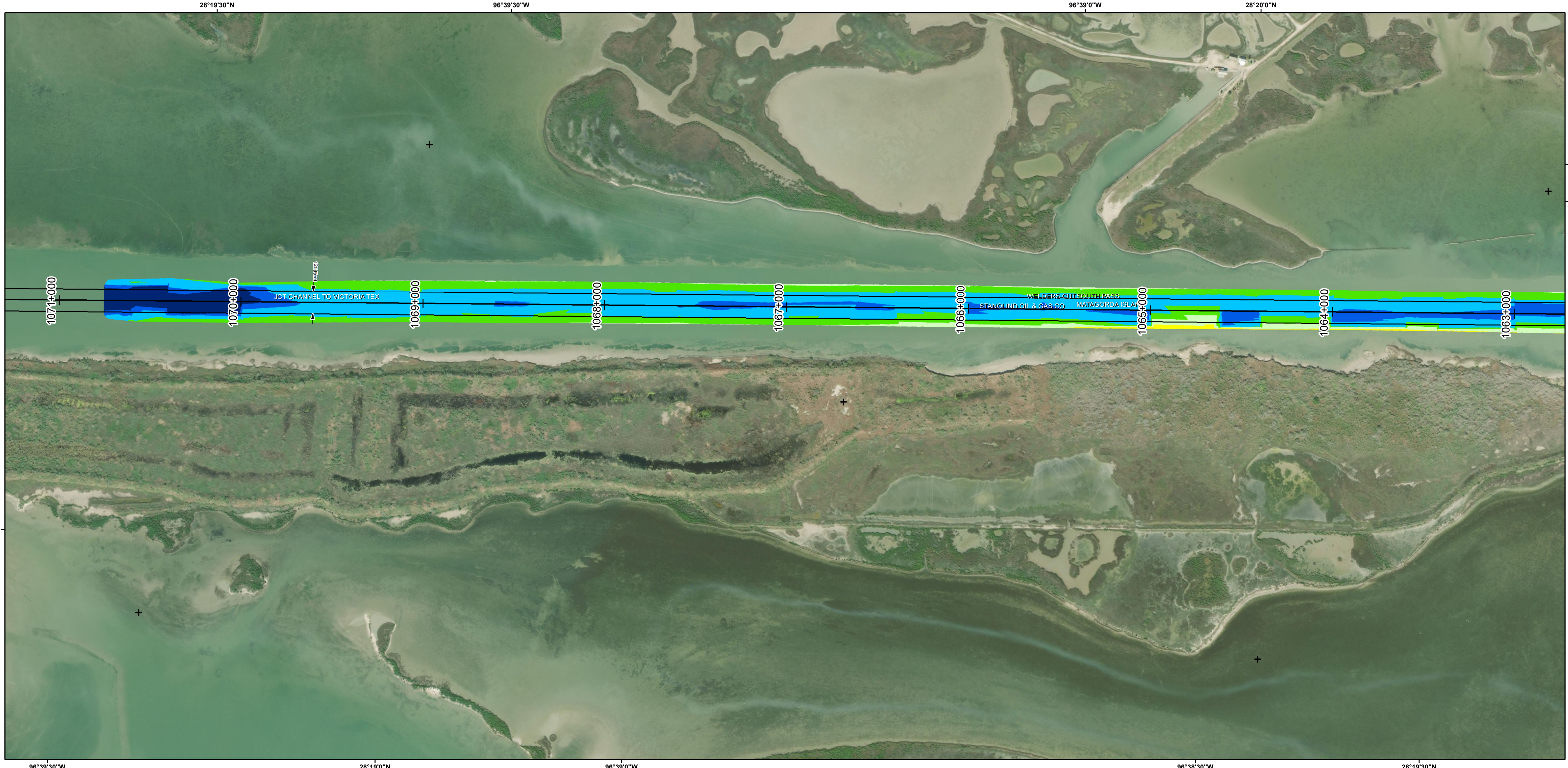
U.S. Army Corps of Engineers
Galveston District



Regional Extent

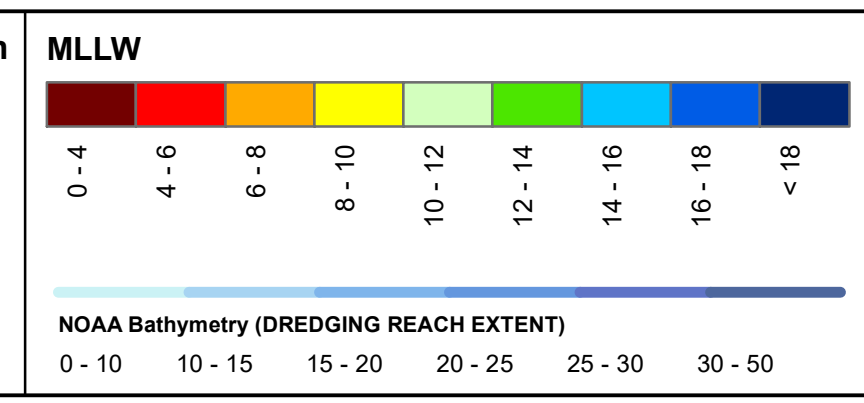


Dredging Reach Extent



Survey Date(s):	SURVEY_DATE	Authorized Depth:	-14ft.
Page:	152 of 190	Side Slope Ratio: (Rise : Run)	
Scale:	1:3,200	Additional Imagery:	© DigitalGlobe Inc.
Mapped by:	m3odmnm	Print Date:	9/16/2019
Additional Info:			

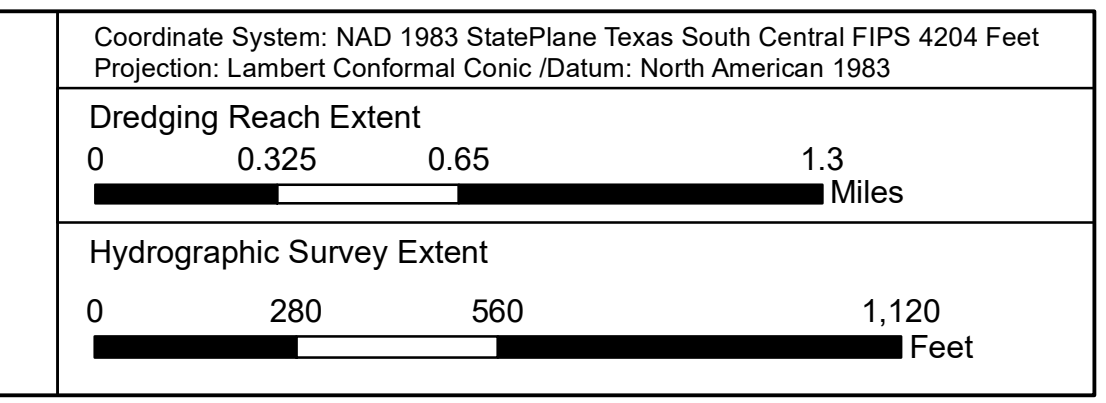
Channel Features	Aids to Navigation
— Channel Toe	Green Side Aids
- - - Channel Center Line	Red Side Aids
— Channel Station Lines	Lights
↔ Channel Dimensions	



NOTES:

- HORIZONTAL COORDINATES ARE REFERENCED TO TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE NAD83 US SURVEY FEET.
- ELEVATIONS ARE REFERENCED TO MEAN LOWER LOW TIDE (MLLW) DATUM.
- THIS PROJECT WAS DESIGNED BY THE GALVESTON DISTRICT OF THE U.S. ARMY CORPS OF ENGINEERS. THE INITIALS AND SIGNATURES AND REGISTRATION DESIGNATIONS OF INDIVIDUALS APPEAR ON THESE PROJECT DOCUMENTS WITHIN THE SCOPE OF THEIR EMPLOYMENT AS REQUIRED BY ER1110-1-8152.
- 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.SWG.USACE.ARMY.MIL/MISSIONS/NAVIGATION/HYDROGRAPHIC/SURVEYS/](http://www.swg.usace.army.mil/missions/navigation/hydrographic/surveys/)
- 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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HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 972+939.05 to 1070+753.30
GIWW
PORT O'CONNOR, TEXAS