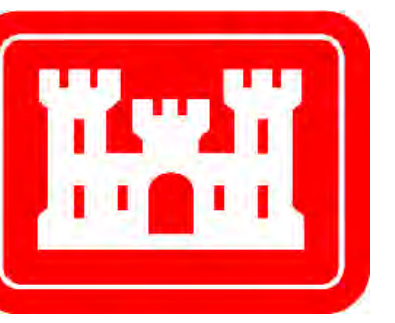
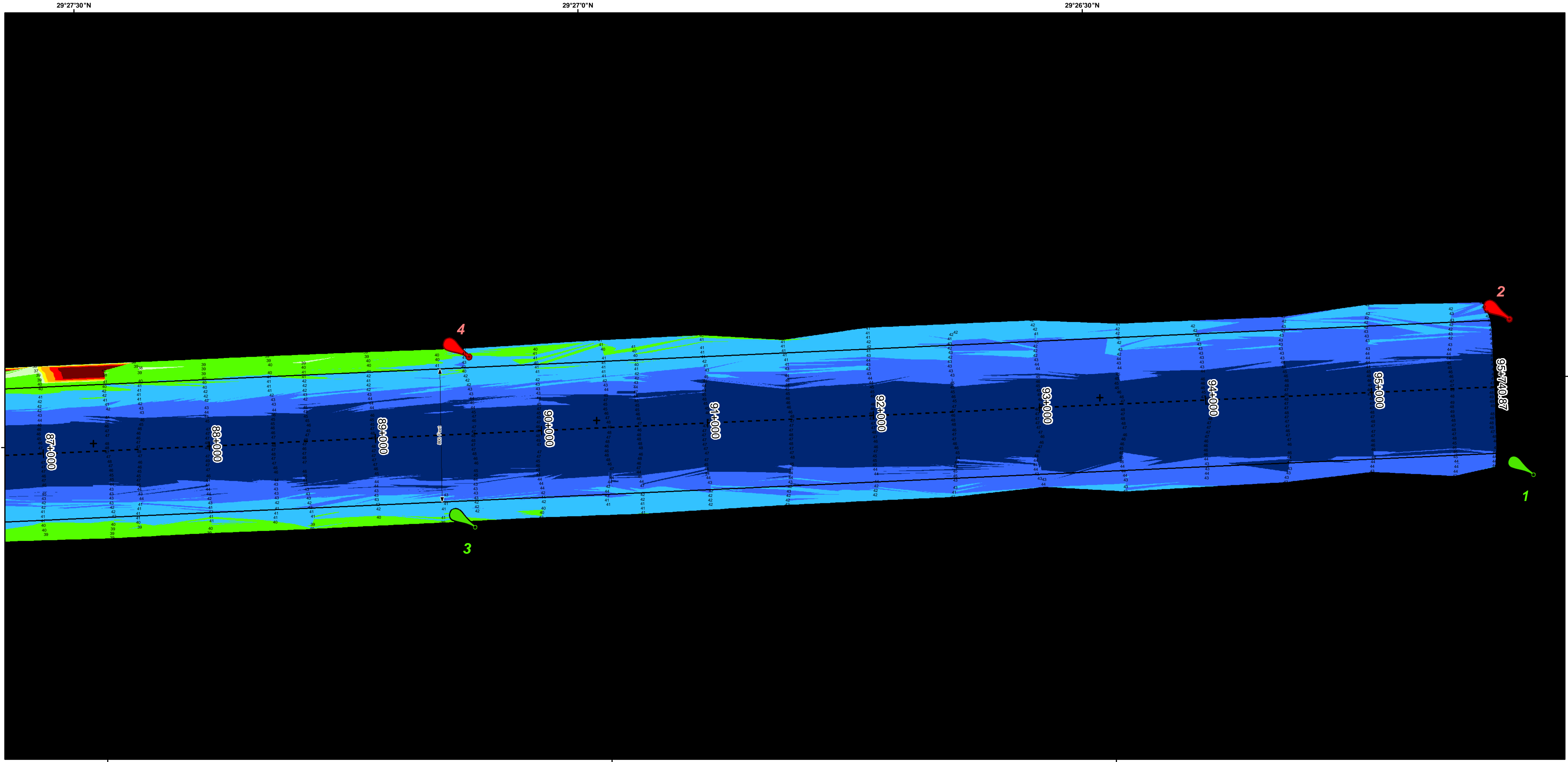
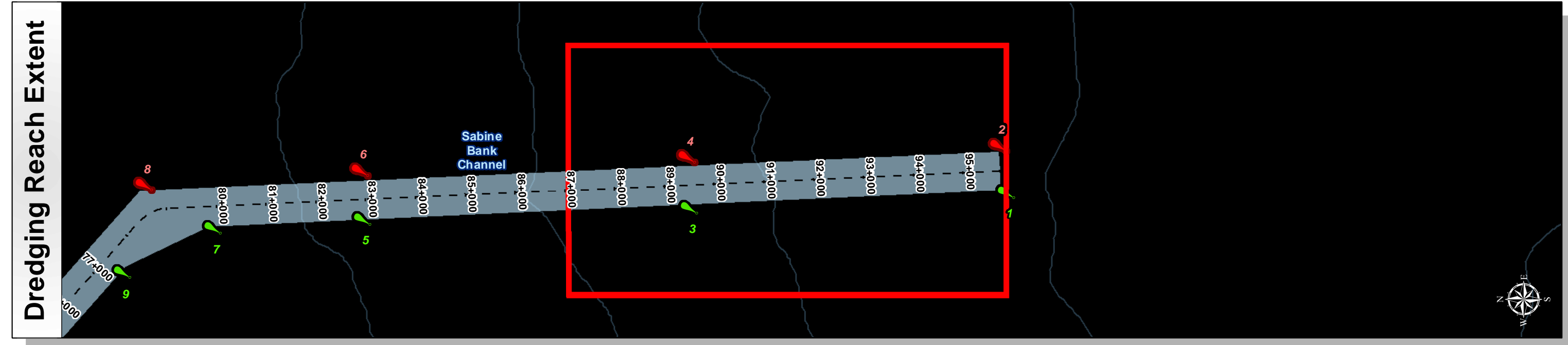
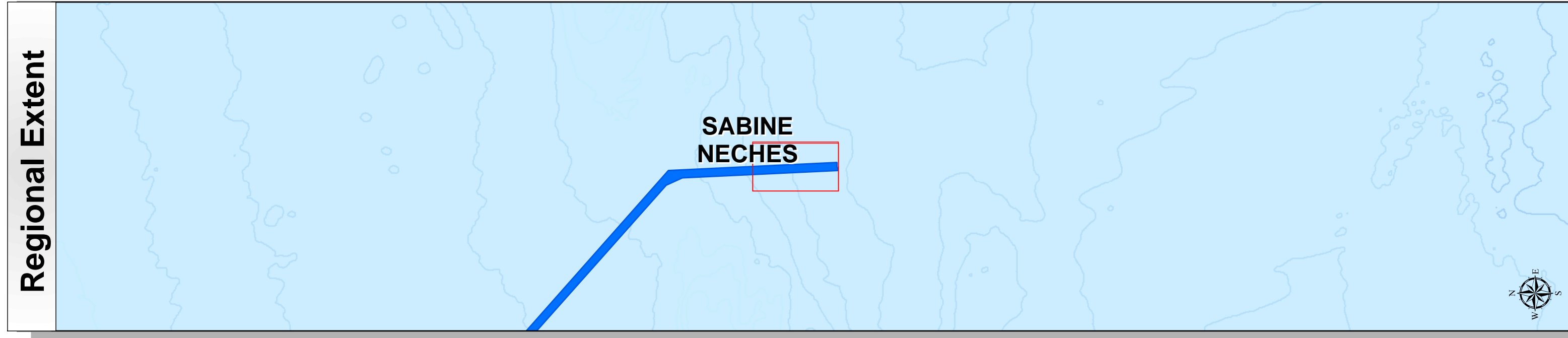


Sabine Neches Waterway: Sabine Bank Channel



U.S. Army Corps of Engineers
Galveston District

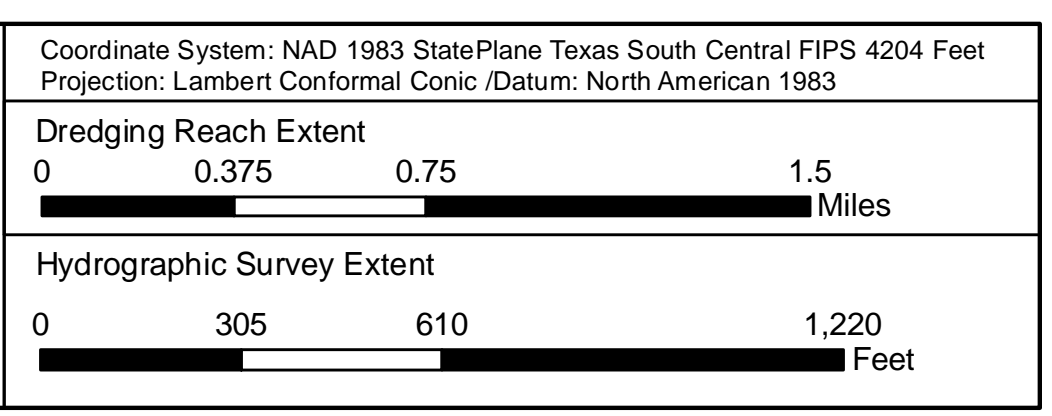
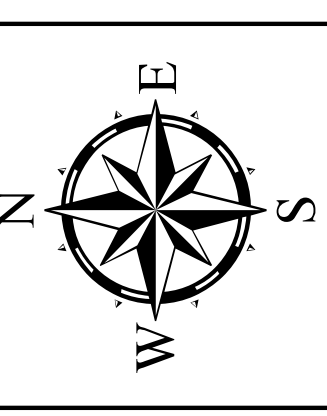


Channel Features	Aids to Navigation	MLLW
<ul style="list-style-type: none"> Channel Toe Channel Center Line Channel Station Lines Channel Dimensions 	<ul style="list-style-type: none"> Green Side Aids Red Side Aids Lights 	<p>7 - 25 25 - 30 30 - 35 35 - 37 37 - 39 39 - 41 41 - 43 43 - 45 45 +</p> <p>NOAA Bathymetry (DREDGING REACH EXTENT) 0 - 10 10 - 15 15 - 20 20 - 25 25 - 30 30 - 50</p>

NOTES:
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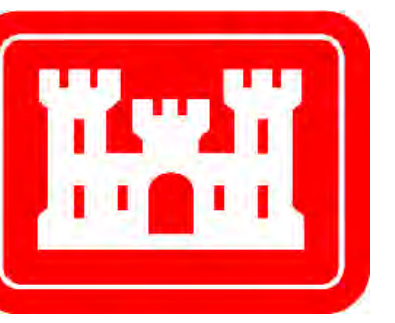


Survey Date(s): 12 May 2019	Authorized Depth: -42ft.
Page: 1 of 72	Side Slope Ratio: (Rise : Run)
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Mapped by: MSAOX PAC	Print Date: 5/15/2019
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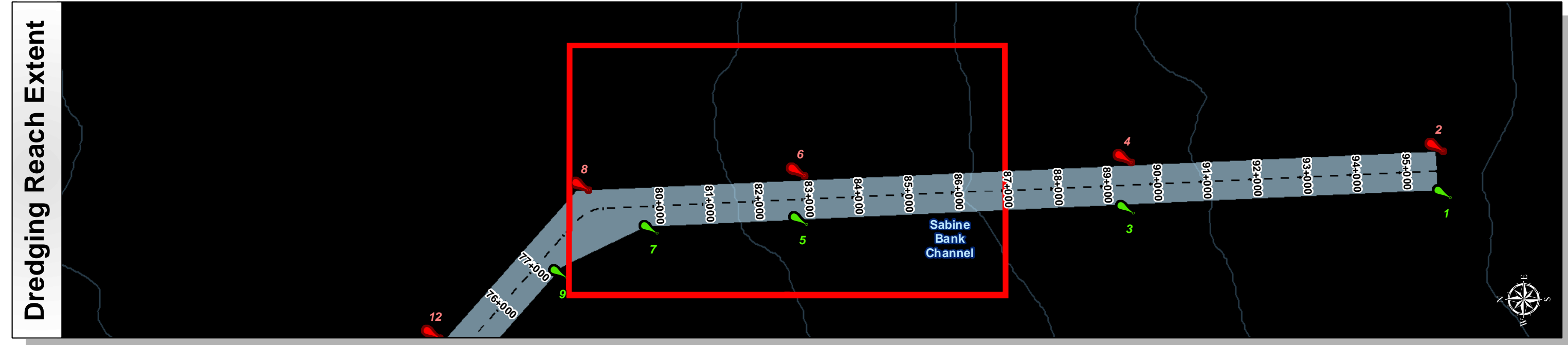
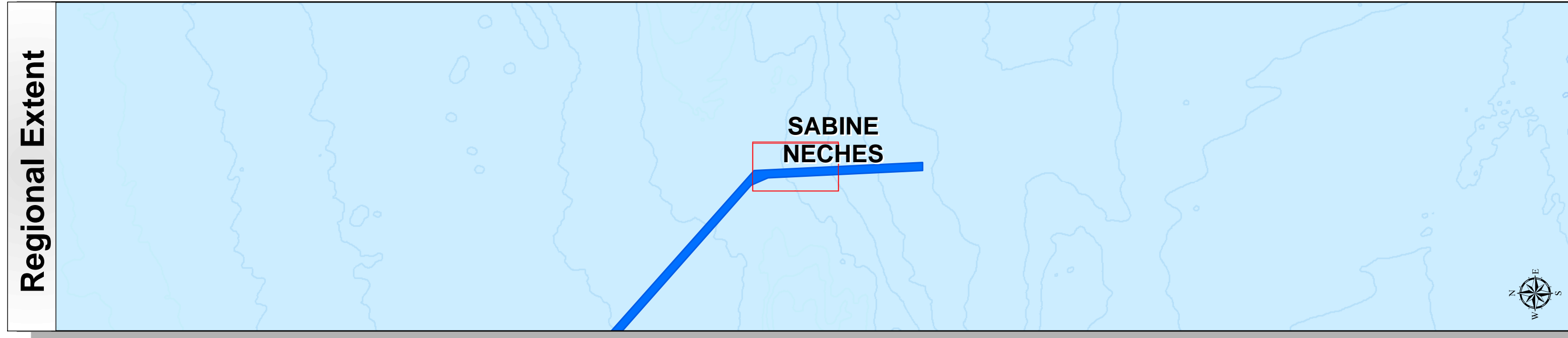
HYDROGRAPHIC SURVEY
 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 GALVESTON, TEXAS

Station: 95+740.87 to 18+091.09=0+000
SABINE NECHES
 PORT ARTHUR, TEXAS

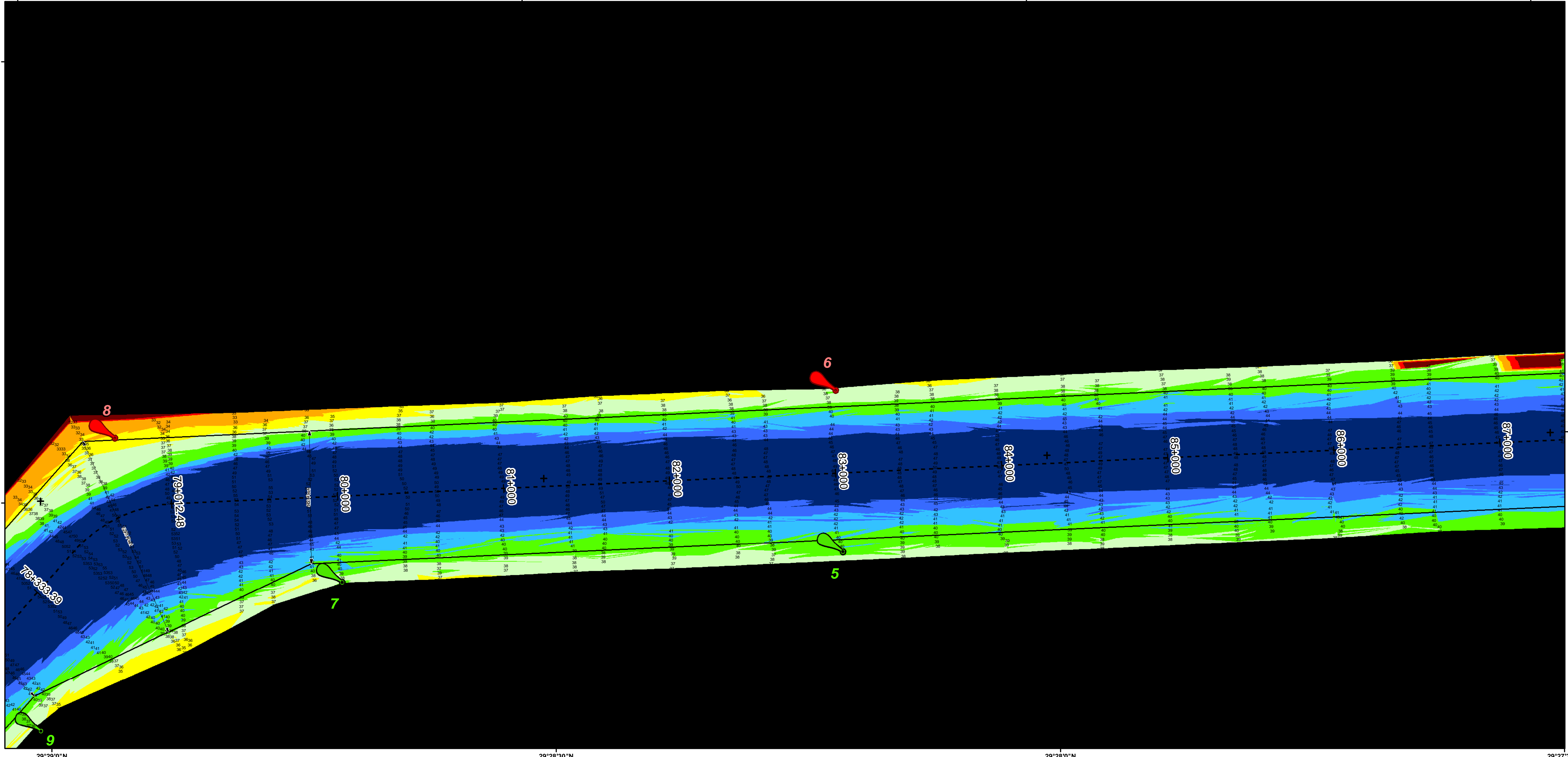
Sabine Neches Waterway: Sabine Bank Channel



U.S. Army Corps of Engineers
Galveston District



29°29'0"N 29°28'30"N 29°28'0"N 29°27'30"N



Channel Features

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

Aids to Navigation

- Green Side Aids
- Red Side Aids
- Lights

MLLW

7 - 25
25 - 30
30 - 35
35 - 37
37 - 39
39 - 41
41 - 43
43 - 45
45 +

NOAA Bathymetry (DREDGING REACH EXTENT)

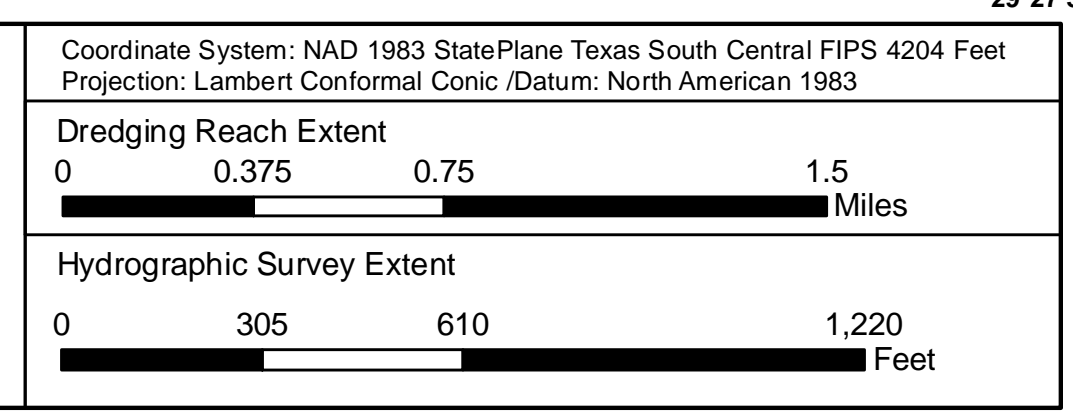
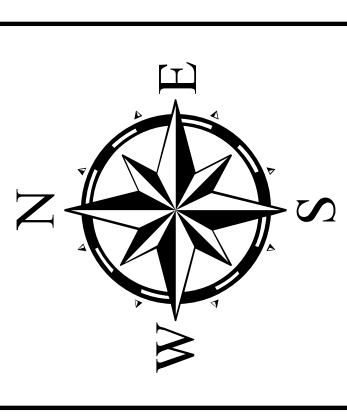
0 - 10 10 - 15 15 - 20 20 - 25 25 - 30 30 - 50

NOTES:

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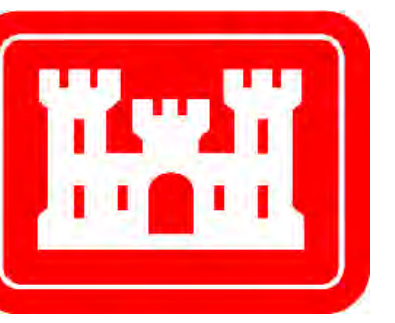


Survey Date(s): 12 May 2019	Authorized Depth: -42ft.
Page: 2 of 72	Side Slope Ratio: (Rise : Run)
Scale: 1:3,500	Additional Imagery: © DigitalGlobe Inc.
Mapped by: MSAOX PAC	Print Date: 5/15/2019
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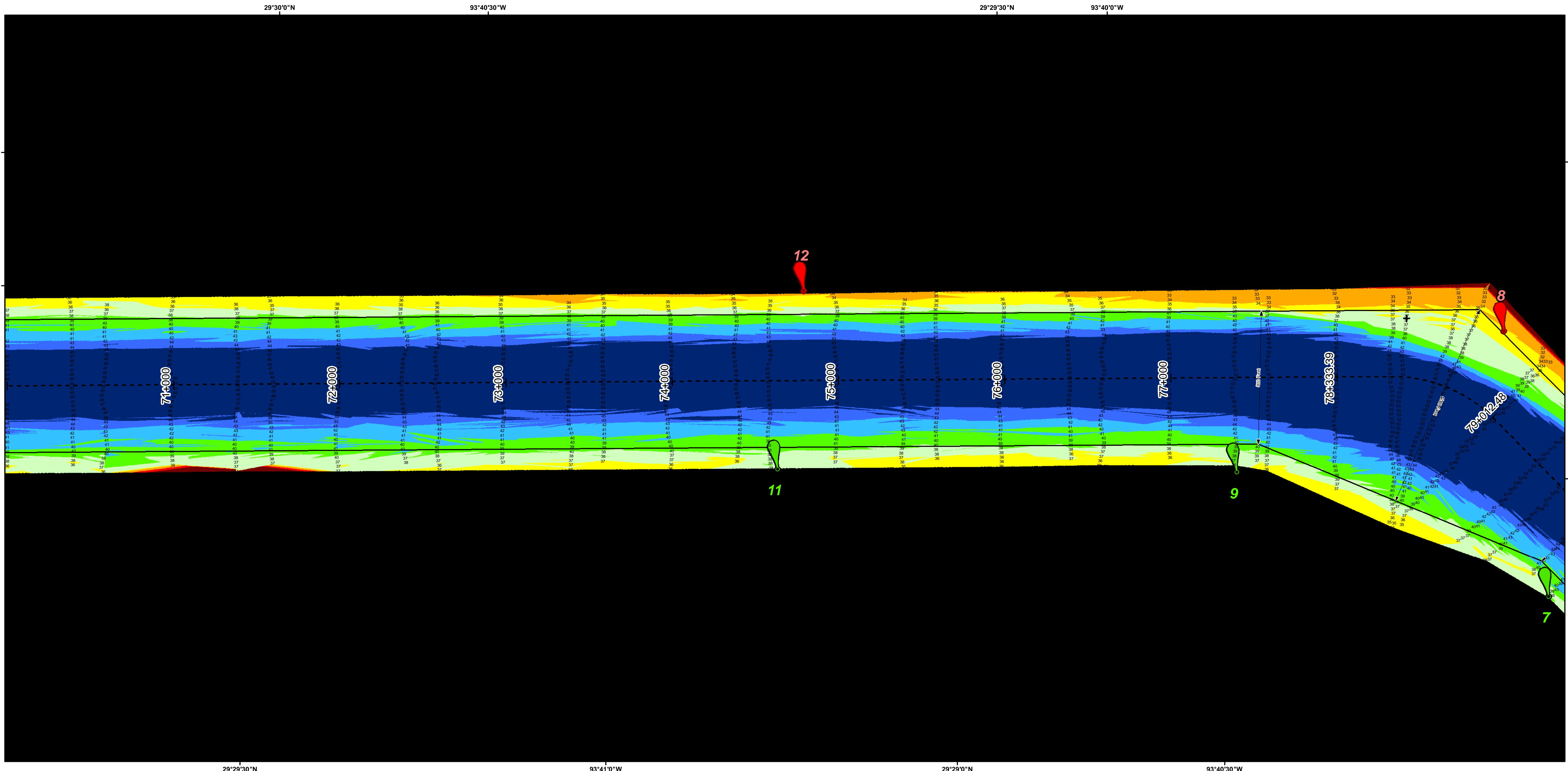
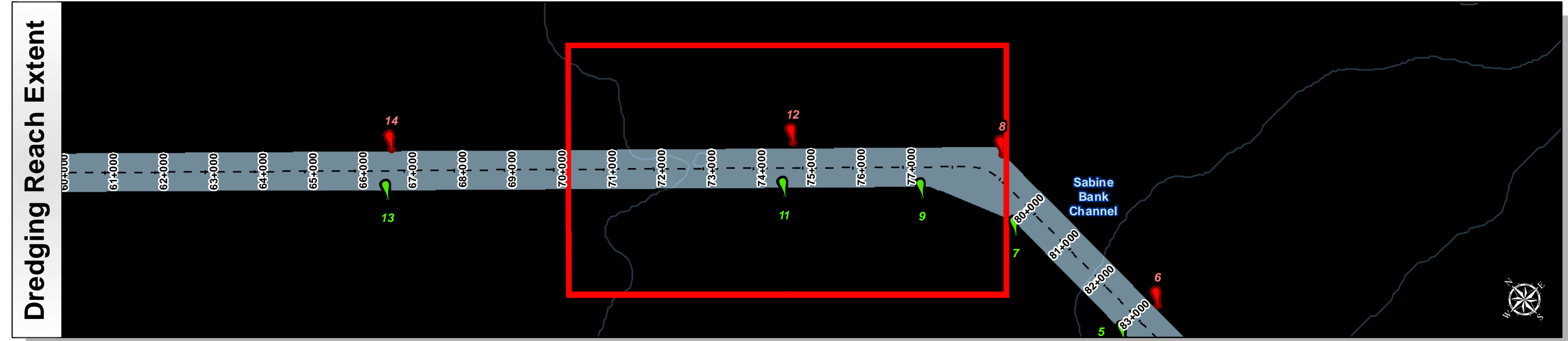
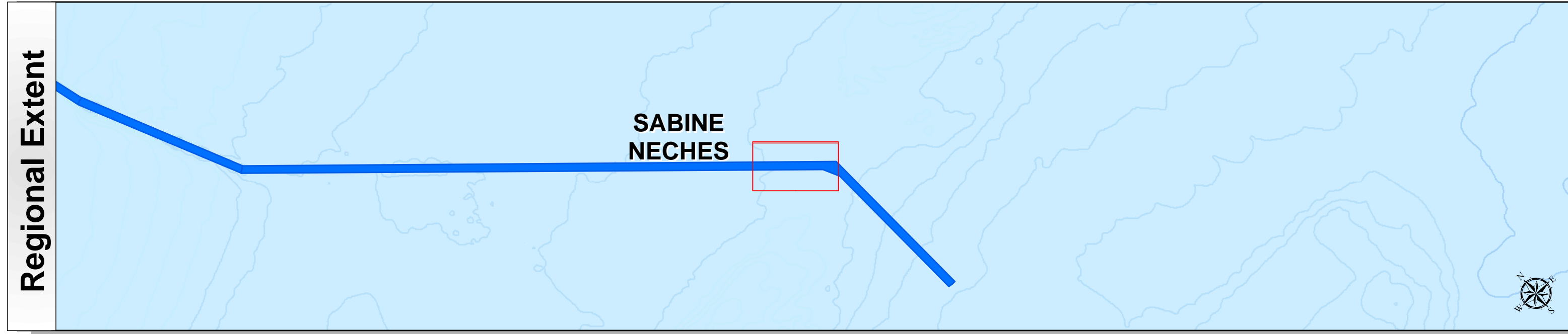
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 95+740.87 to 18+091.09=0+000
SABINE NECHES
PORT ARTHUR, TEXAS

Sabine Neches Waterway: Sabine Bank Channel



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>7 - 25 25 - 30 30 - 35 35 - 37 37 - 39 39 - 41 41 - 43 43 - 45 45 +</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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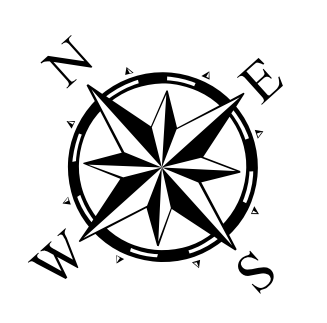
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Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet Projection: Lambert Conformal Conic /Datum: North American 1983
Dredging Reach Extent 0 0.375 0.75 1.5 Miles
Hydrographic Survey Extent 0 305 610 1,220 Feet

Survey Date(s): 12 May 2019	Authorized Depth: -42ft.
Page: 3 of 72	Side Slope Ratio: (Rise : Run)
Map:	Additional Imagery: © DigitalGlobe Inc.
Scale: 1:3,500	Print Date: 5/15/2019
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Additional Info:	

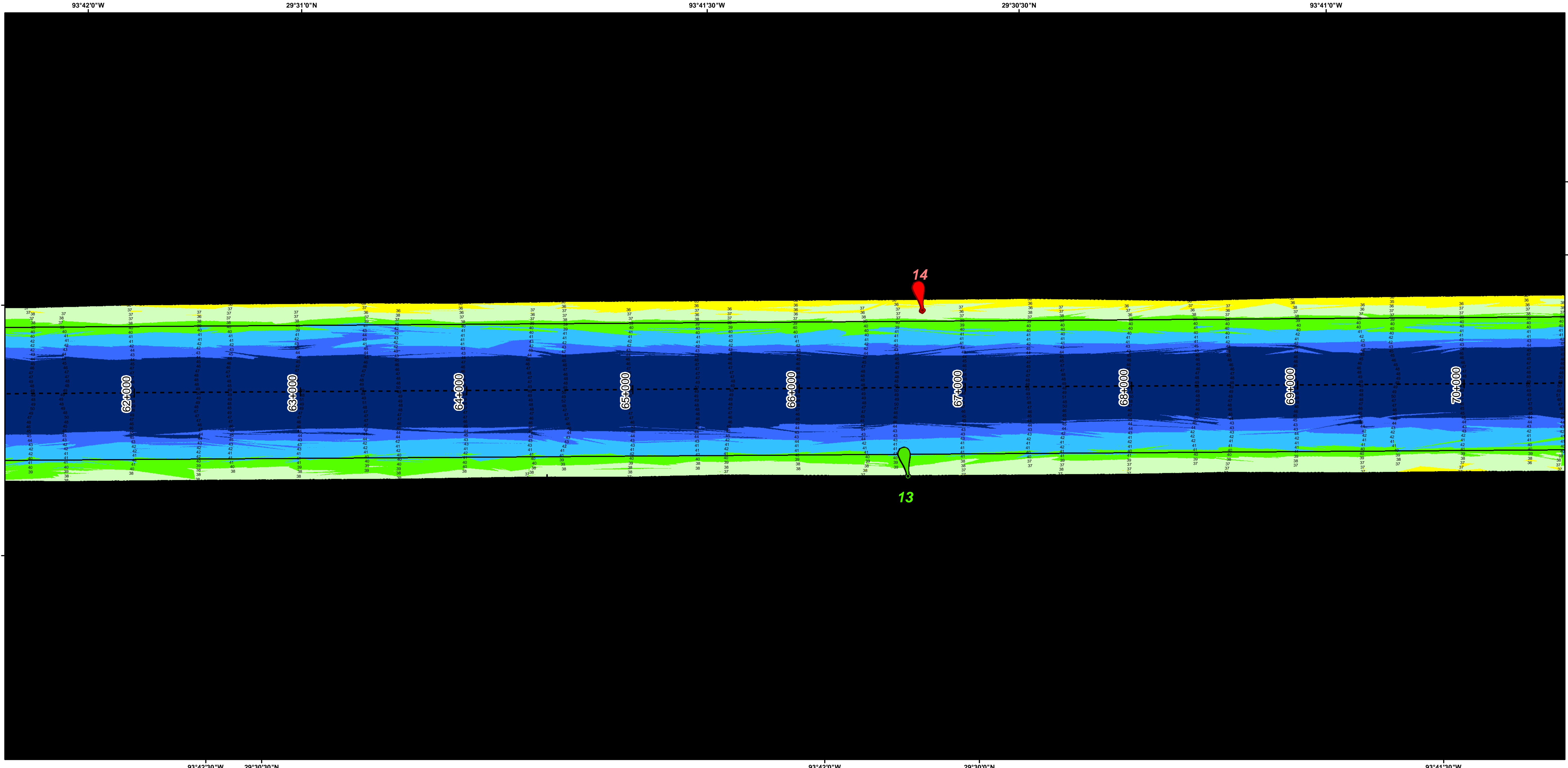
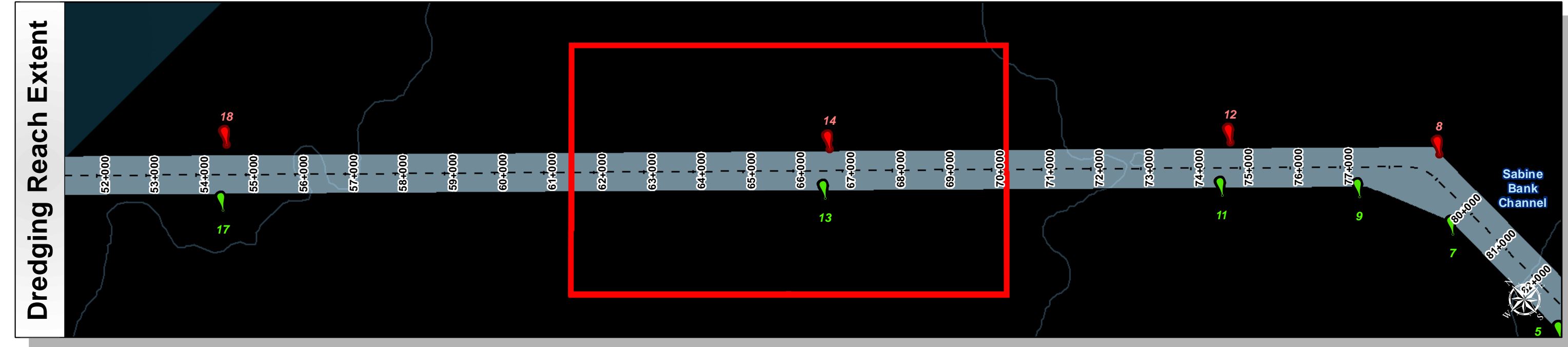
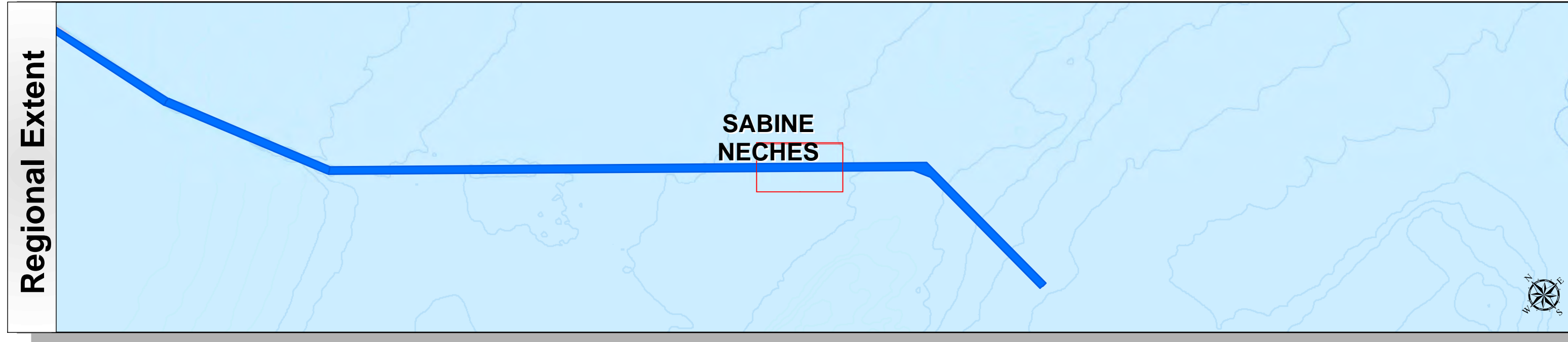
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 95+740.87 to 18+091.09=0+000
SABINE NECHES
PORT ARTHUR, TEXAS

Sabine Neches Waterway: Sabine Bank Channel



U.S. Army Corps of Engineers
Galveston District



Survey Date(s): 12 May 2019	Authorized Depth: -42ft.
Page: 4 of 72	Side Slope Ratio: (Rise : Run)
Scale: 1:3,500	Additional Imagery: © DigitalGlobe Inc.
Mapped by: MSAOX PAC	Print Date: 5/15/2019
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

7 - 25
25 - 30
30 - 35
35 - 37
37 - 39
39 - 41
41 - 43
43 - 45
45 +

NOAA Bathymetry (DREDGING REACH EXTENT)

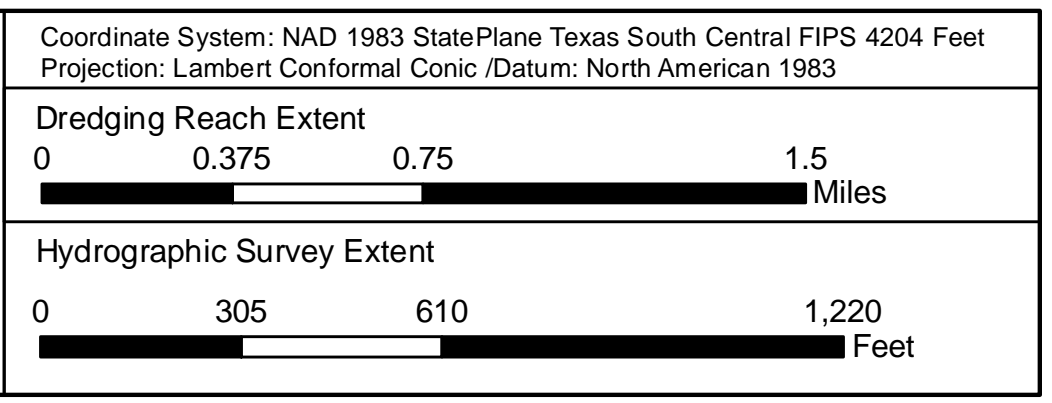
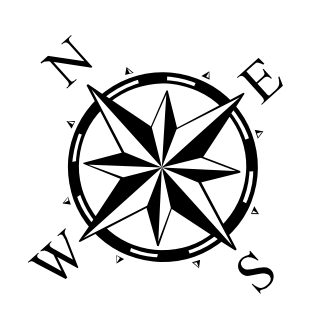
0 - 10 10 - 15 15 - 20 20 - 25 25 - 30 30 - 50

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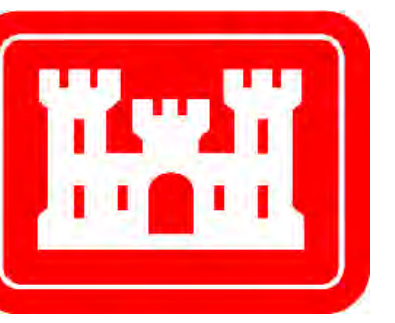
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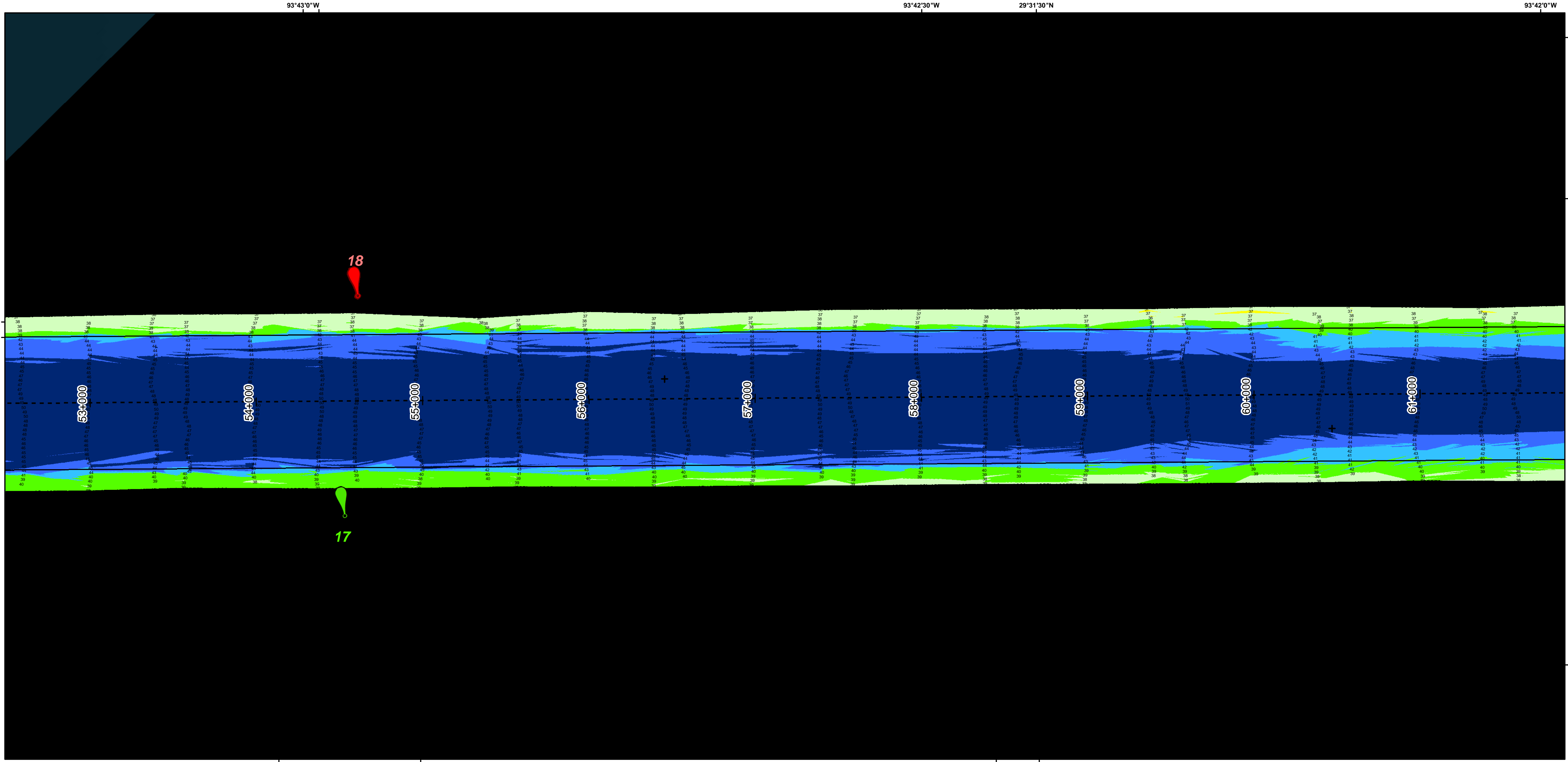
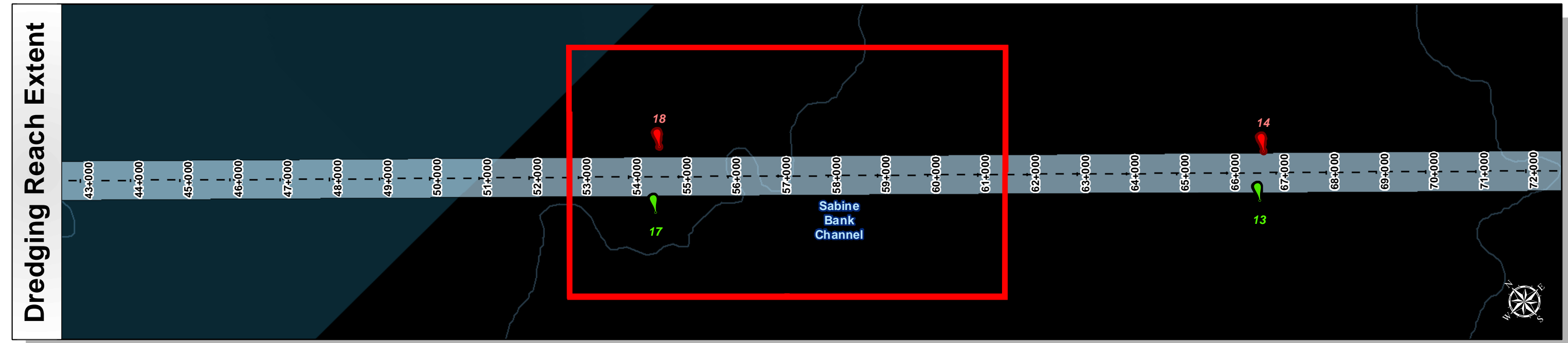
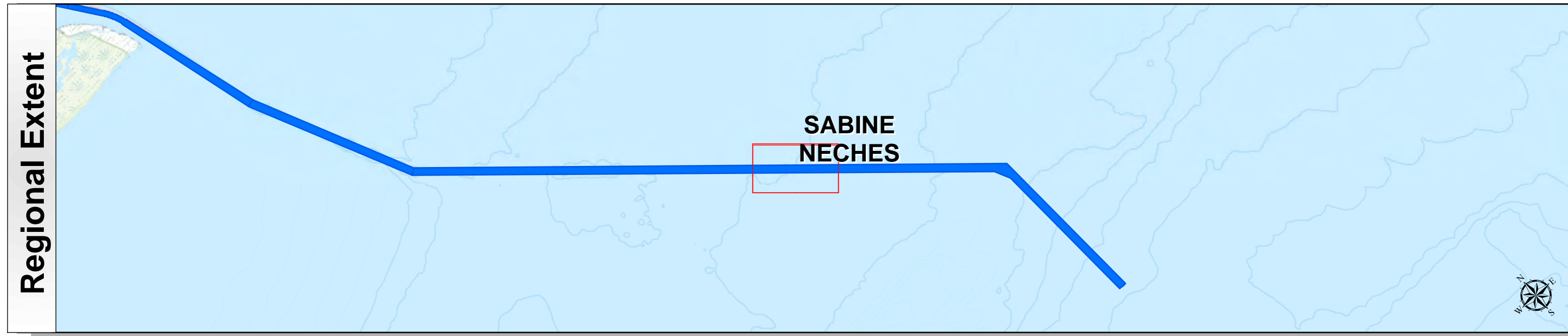
HYDROGRAPHIC SURVEY
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CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 95+740.87 to 18+091.09=0+000
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Sabine Neches Waterway: Sabine Bank Channel



U.S. Army Corps of Engineers
Galveston District

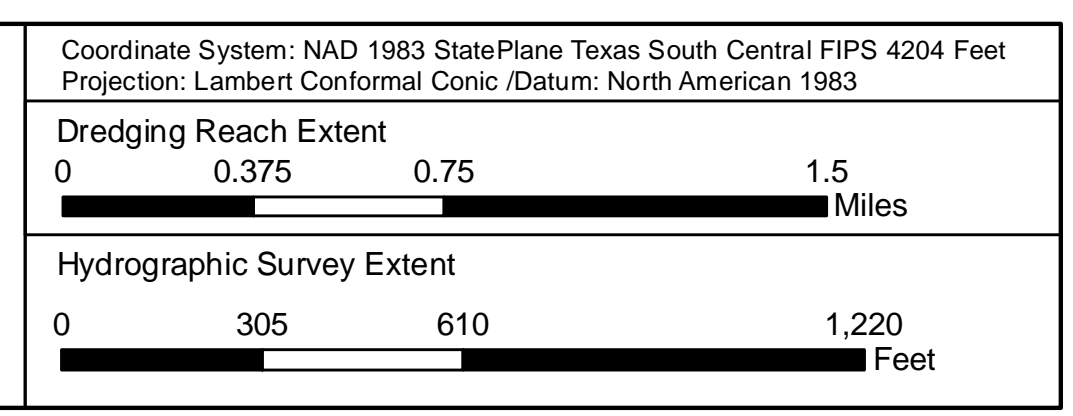
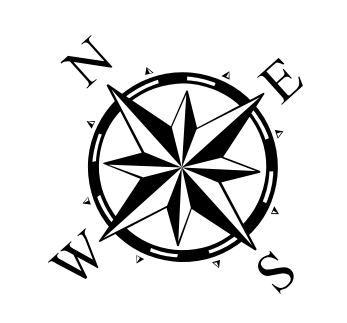


Channel Features	Aids to Navigation	MLLW
— Channel Toe	Green Side Aids	7 - 25 25 - 30 30 - 35 35 - 37 37 - 39 39 - 41 41 - 43 43 - 45 45 +
- - - Channel Center Line	Red Side Aids	NOAA Bathymetry (DREDGING REACH EXTENT)
— Channel Station Lines	Lights	0 - 10 10 - 15 15 - 20 20 - 25 25 - 30 30 - 50
↔ Channel Dimensions		

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Page: 5 of 72	Side Slope Ratio: (Rise : Run)
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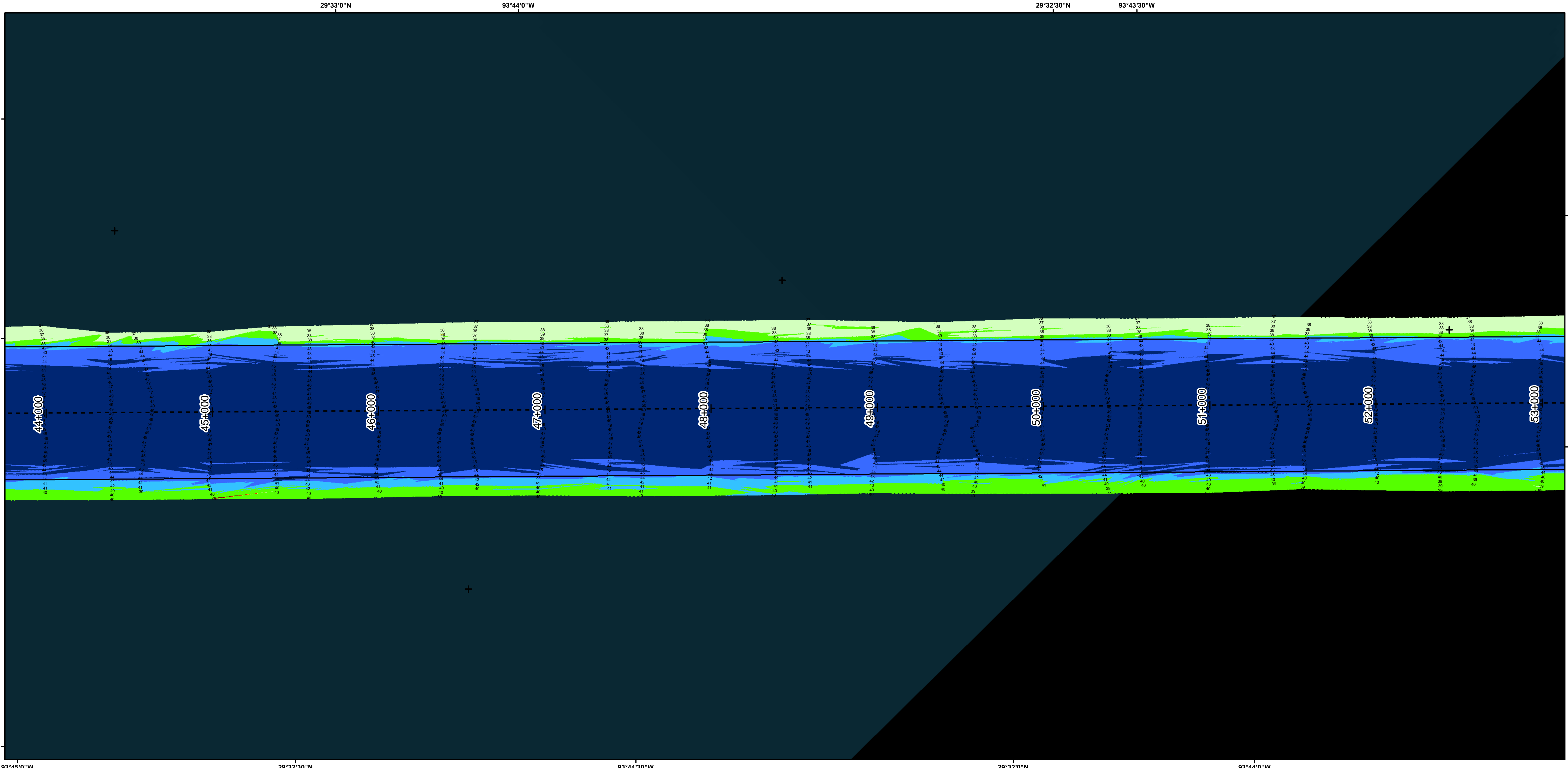
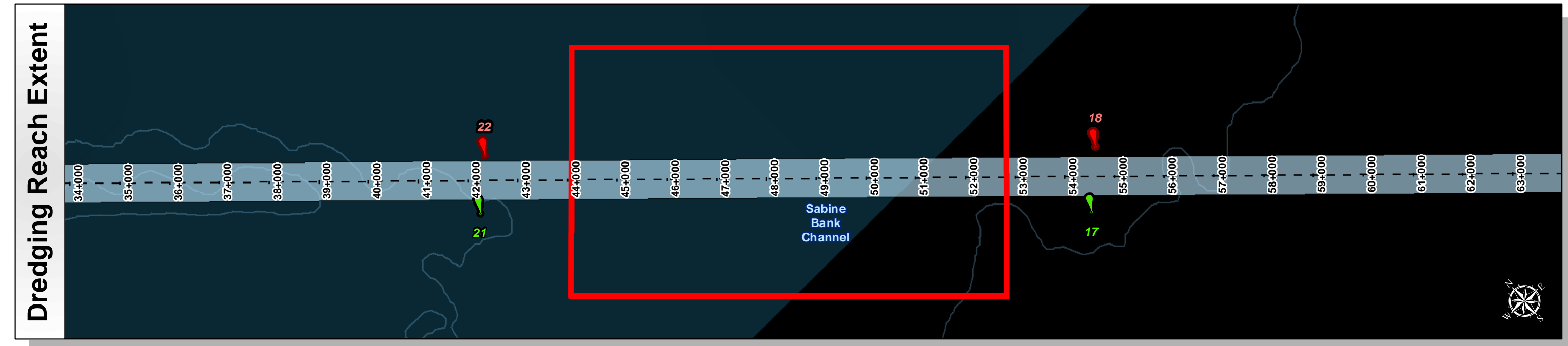
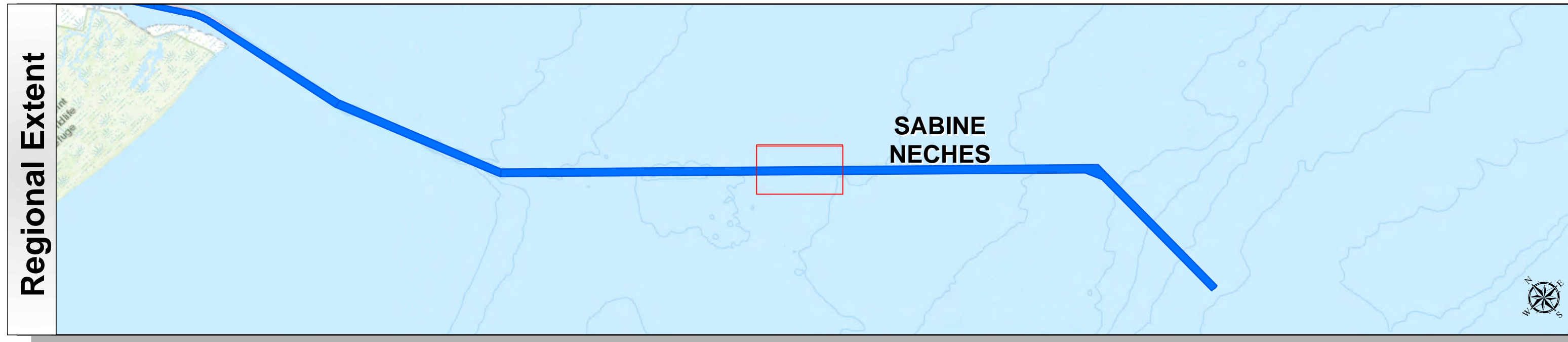
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 CORPS OF ENGINEERS
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SABINE NECHES
 PORT ARTHUR, TEXAS

Sabine Neches Waterway: Sabine Bank Channel



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 	<table border="1"> <tr> <td>7 - 25</td> <td>25 - 30</td> <td>30 - 35</td> <td>35 - 37</td> <td>37 - 39</td> <td>39 - 41</td> <td>41 - 43</td> <td>43 - 45</td> <td>45 +</td> </tr> </table> <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>	7 - 25	25 - 30	30 - 35	35 - 37	37 - 39	39 - 41	41 - 43	43 - 45	45 +	0 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 50
7 - 25	25 - 30	30 - 35	35 - 37	37 - 39	39 - 41	41 - 43	43 - 45	45 +									
0 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 50												

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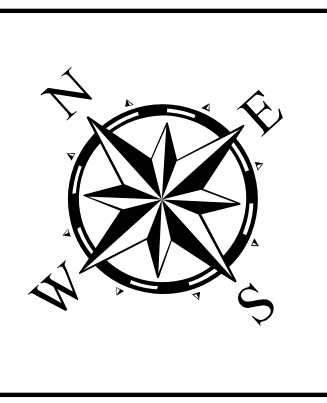
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6. NOAA BATHYMETRY CONTOURS PRODUCED FROM HISTORIC BATHYMETRIC (HYDROGRAPHIC) SURVEYS CONDUCTED BY THE NOAA NATIONAL OCEAN SERVICE/COAST SURVEY, AVAILABLE FROM THE NATIONAL GEOPHYSICAL DATA CENTER. SURVEYS VARY AS TO SOUNDING DENSITY, ACCURACY OF DEPTH, ACCURACY OF NAVIGATION, ZERO DATUM, DATE OF SURVEY AND TYPE OF INSTRUMENTATION.

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

Dredging Reach Extent

Hydrographic Survey Extent

Survey Date(s): 12 May 2019	Authorized Depth: -42ft.
Page: 6 of 72	Side Slope Ratio: (Rise : Run)
Scale: 1:3,500	Additional Imagery: © DigitalGlobe Inc.
Mapped by: MSAOX PAC	Print Date: 5/15/2019
Additional Info:	

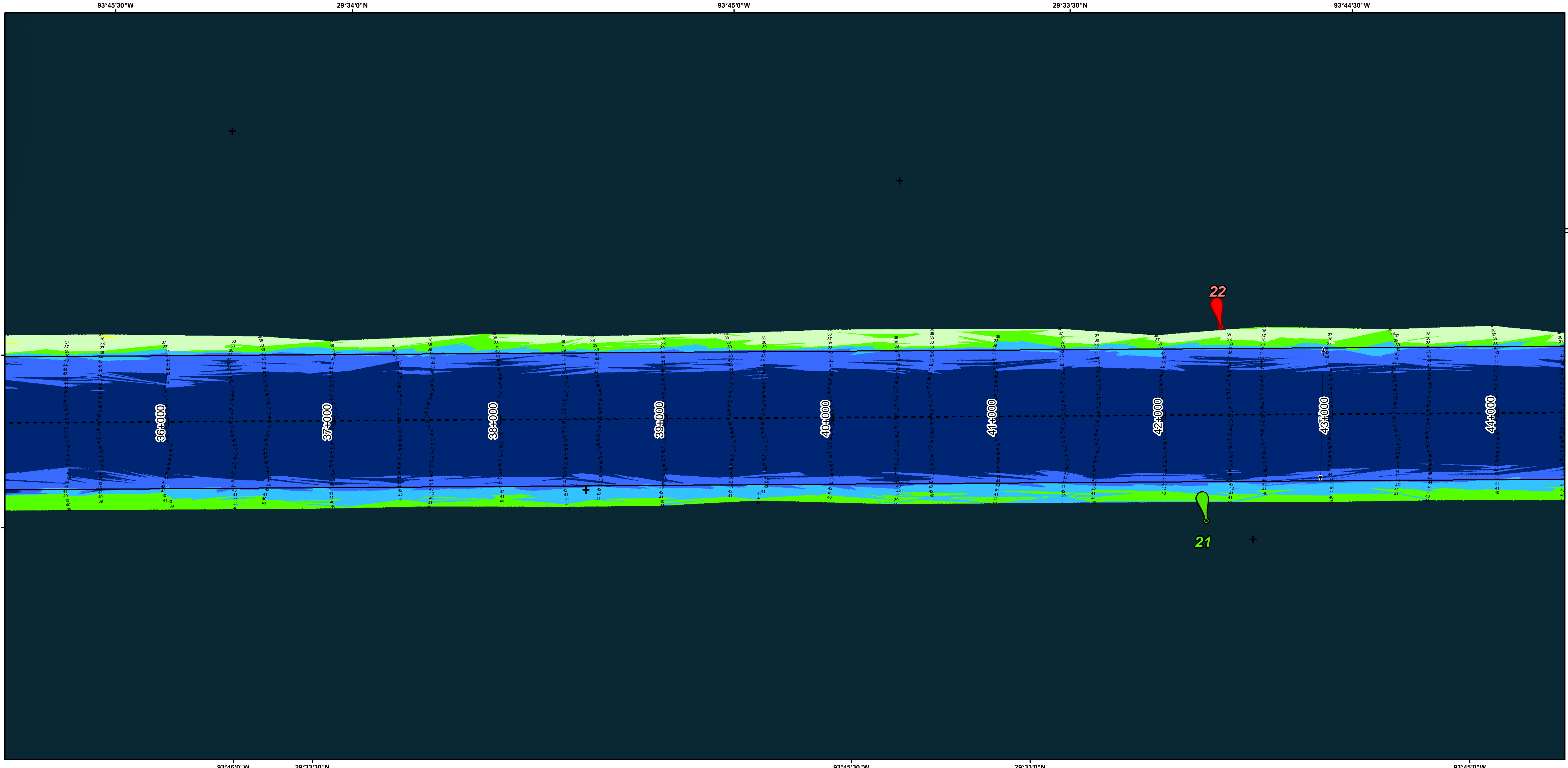
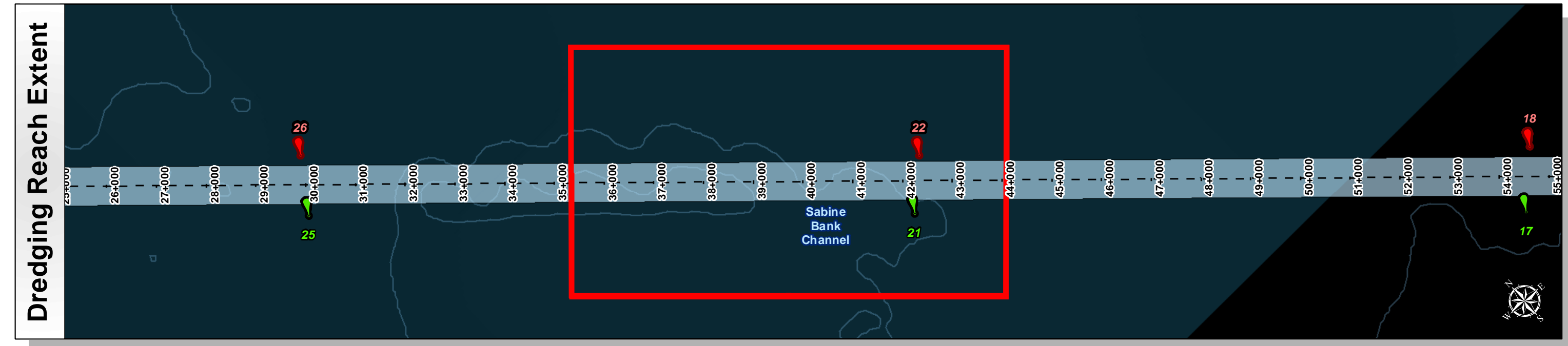
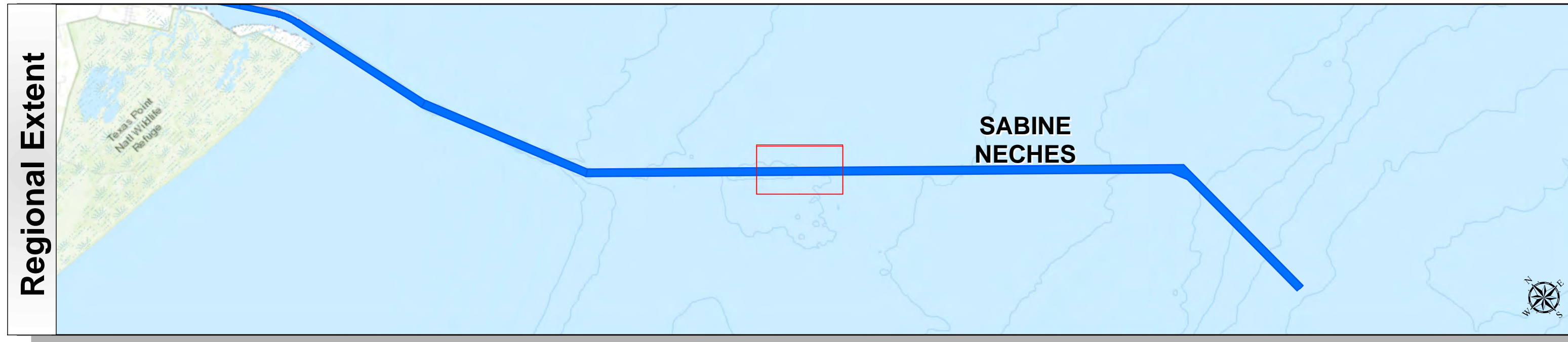
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 95+740.87 to 18+091.09=0+000
SABINE NECHES
PORT ARTHUR, TEXAS

Sabine Neches Waterway: Sabine Bank Channel



U.S. Army Corps of Engineers
Galveston District

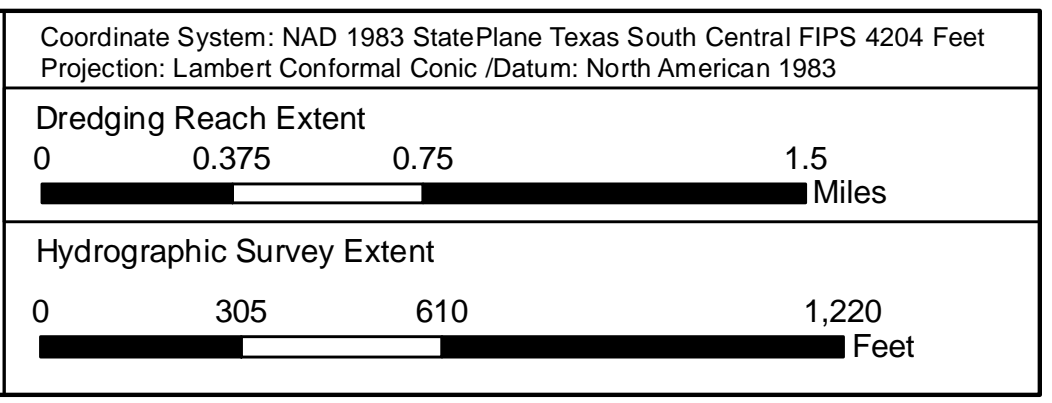
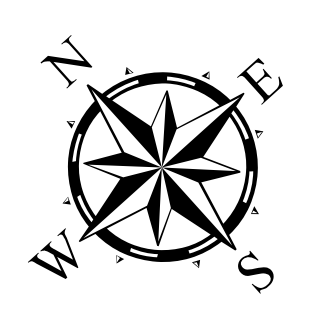


Channel Features	Aids to Navigation	MLLW
<ul style="list-style-type: none"> Channel Toe Channel Center Line Channel Station Lines Channel Dimensions 	<ul style="list-style-type: none"> Green Side Aids Red Side Aids Lights 	<p>NOAA Bathymetry (DREDGING REACH EXTENT)</p>

NOTES:

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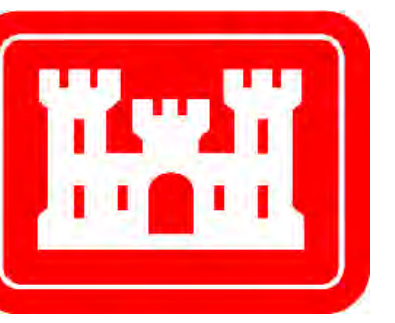


Survey Date(s): 12 May 2019	Authorized Depth: -42ft.
Page: 7 of 72	Side Slope Ratio: (Rise : Run)
Scale: 1:3,500	Additional Imagery: © DigitalGlobe Inc.
Mapped by: MSAOX PAC	Print Date: 5/15/2019
Additional Info :	

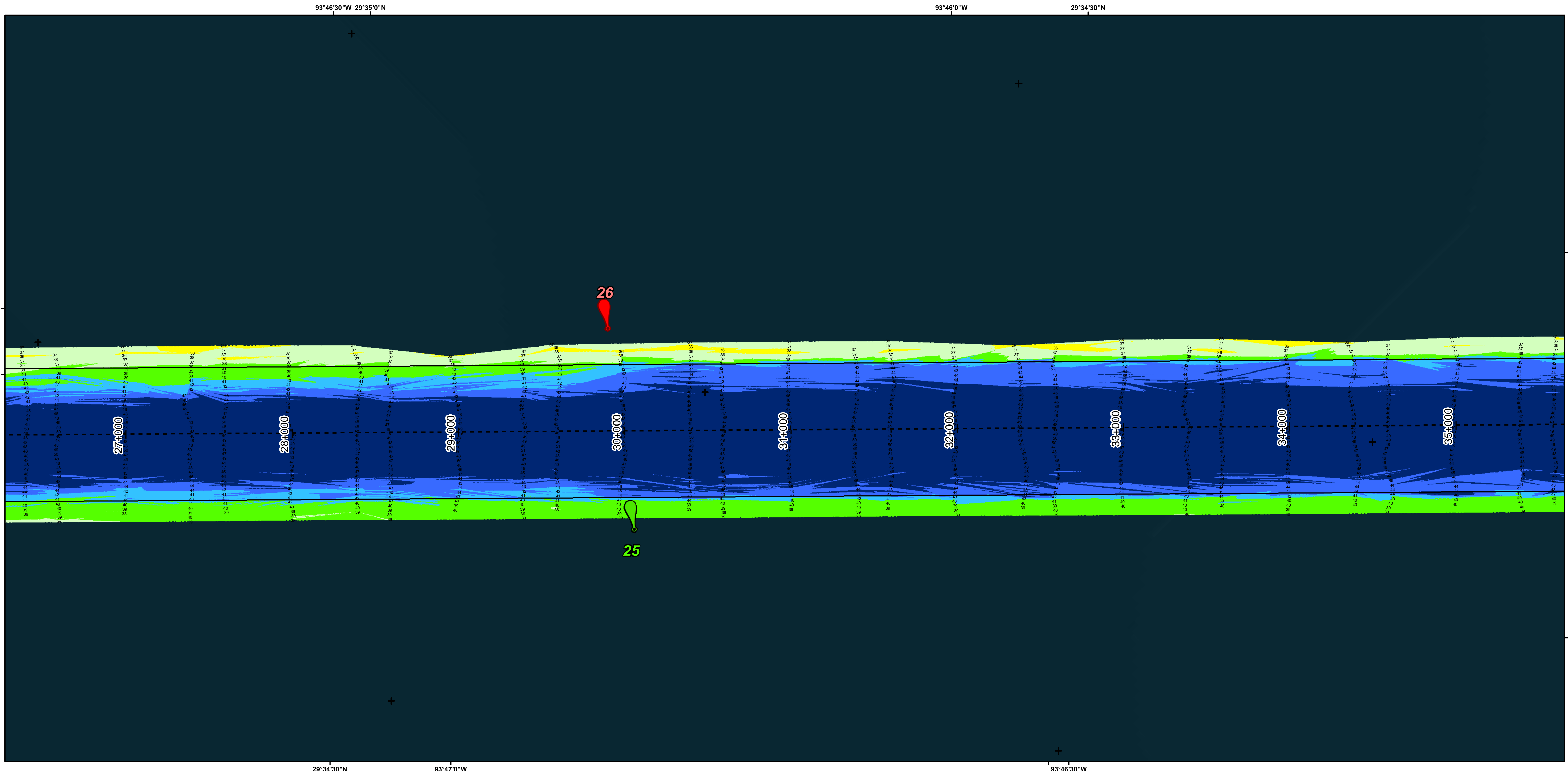
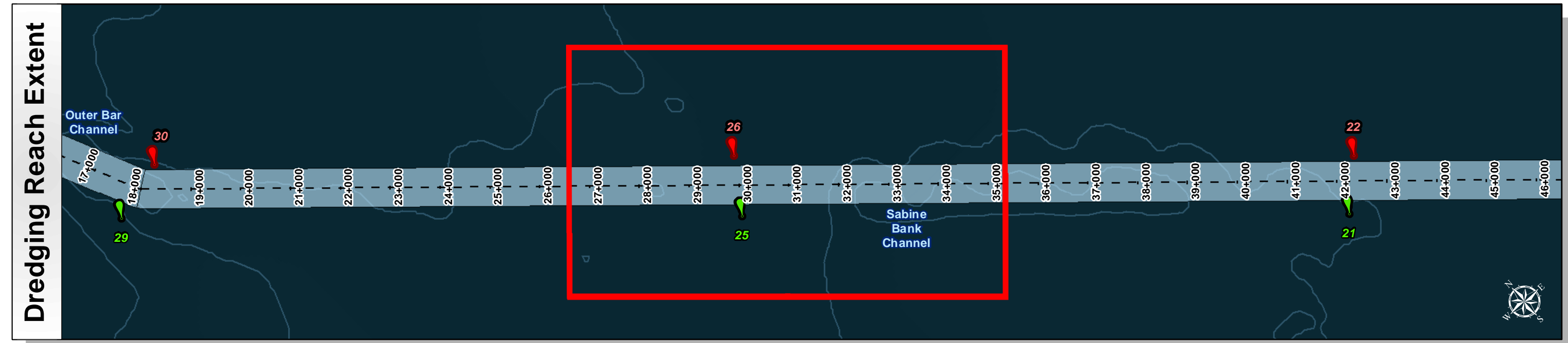
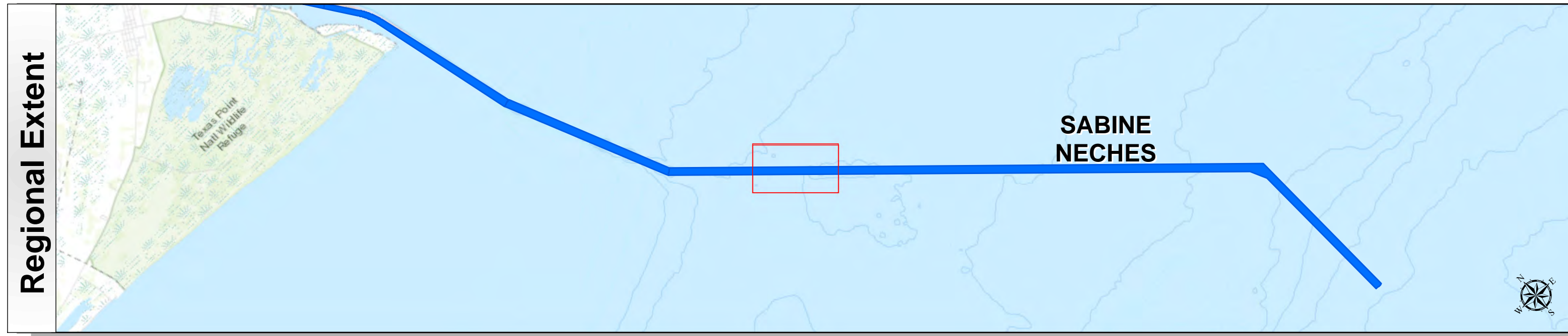
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 95+740.87 to 18+091.09=0+000
SABINE NECHES
PORT ARTHUR, TEXAS

Sabine Neches Waterway: Sabine Bank Channel



U.S. Army Corps of Engineers
Galveston District

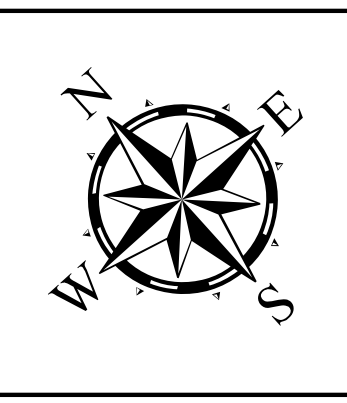


Channel Features	Aids to Navigation	MLLW
<ul style="list-style-type: none"> Channel Toe Channel Center Line Channel Station Lines Channel Dimensions 	<ul style="list-style-type: none"> Green Side Aids Red Side Aids Lights 	<p>7 - 25 25 - 30 30 - 35 35 - 37 37 - 39 39 - 41 41 - 43 43 - 45 45 +</p> <p>NOAA Bathymetry (DREDGING REACH EXTENT) 0 - 10 10 - 15 15 - 20 20 - 25 25 - 30 30 - 50</p>

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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 0.375 0.75 1.5 Miles
Hydrographic Survey Extent	0 305 610 1,220 Feet

Survey Date(s): 12 May 2019	Authorized Depth: -42ft.
Page: 8 of 72	Side Slope Ratio: (Rise : Run)
Scale: 1:3,500	Additional Imagery: © DigitalGlobe Inc.
Mapped by: MSAOX PAC	Print Date: 5/15/2019
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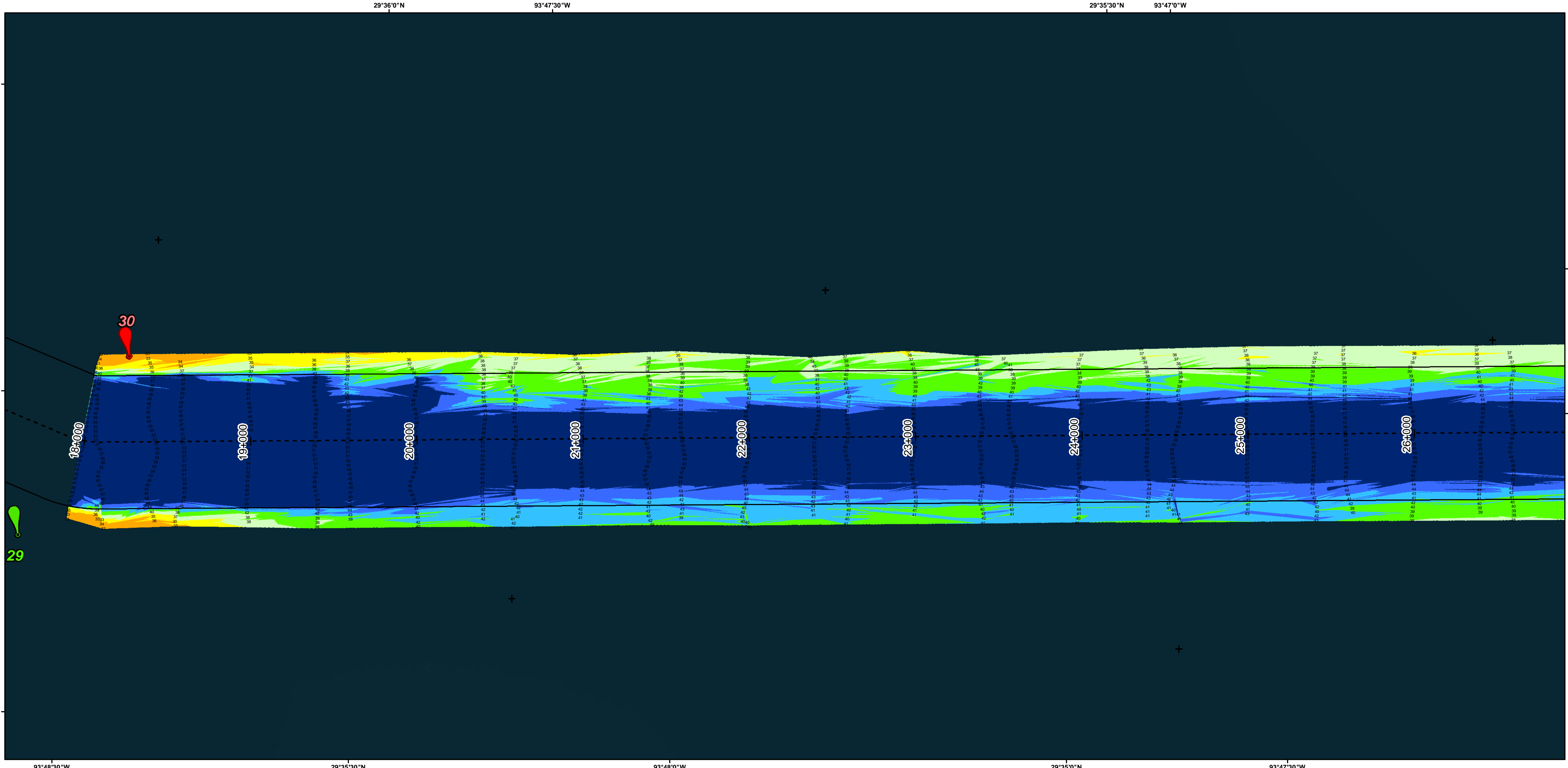
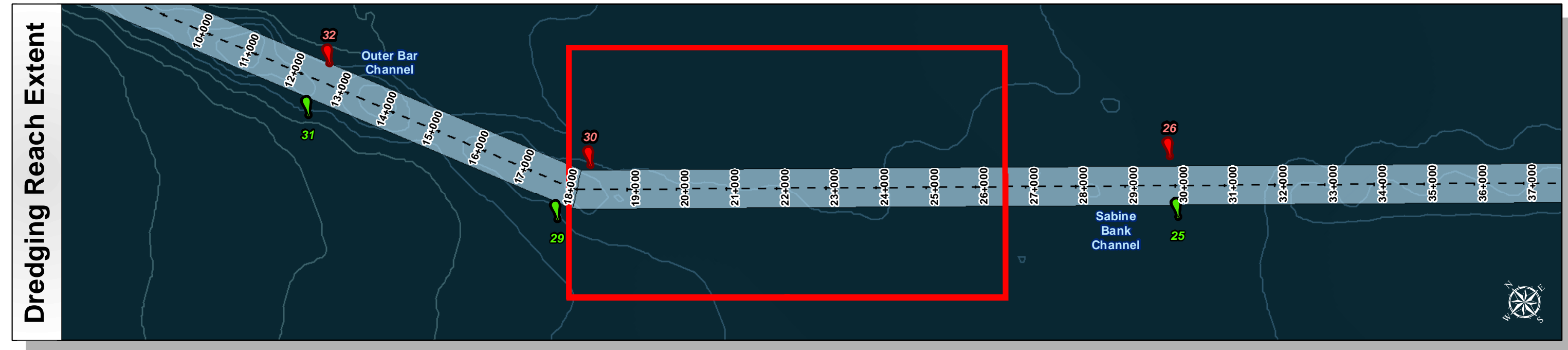
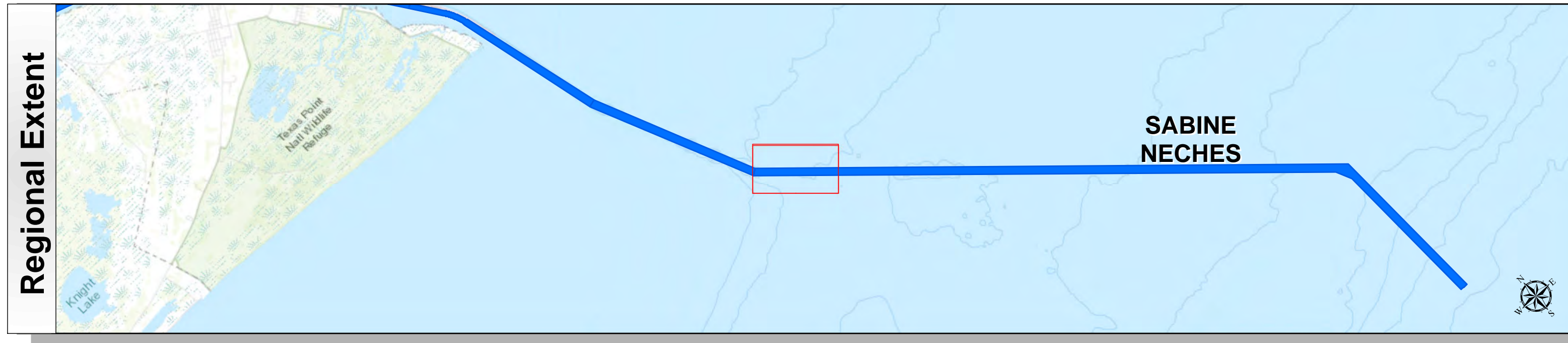
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 95+740.87 to 18+091.09=0+000
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U.S. Army Corps of Engineers
Galveston District

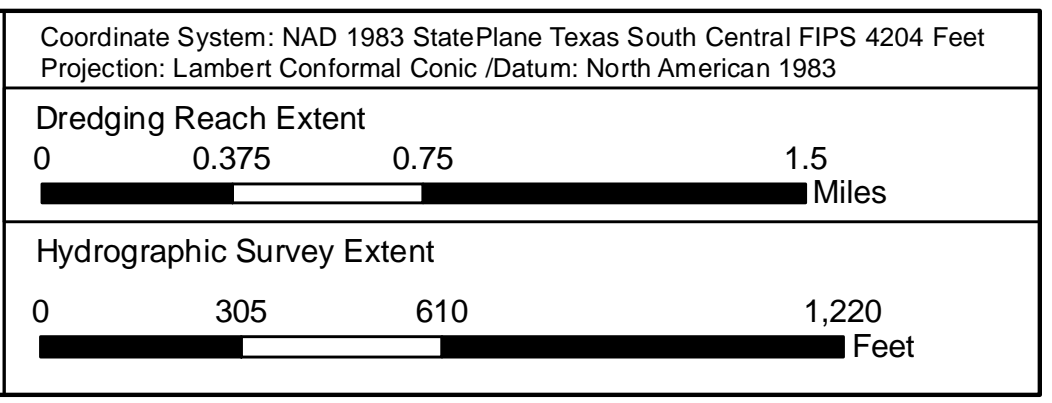
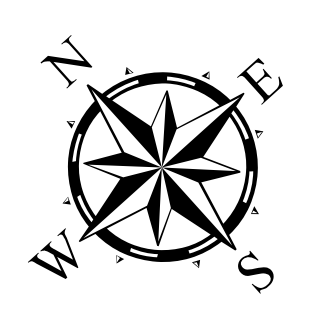


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Page: 9 of 72	Side Slope Ratio: (Rise : Run)
Scale: 1:3,500	Additional Imagery: © DigitalGlobe Inc.
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