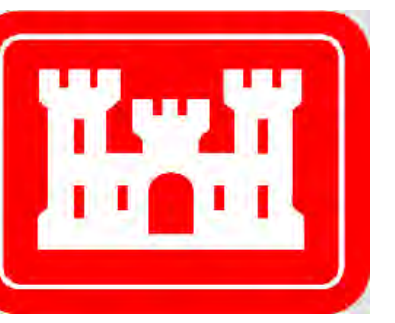
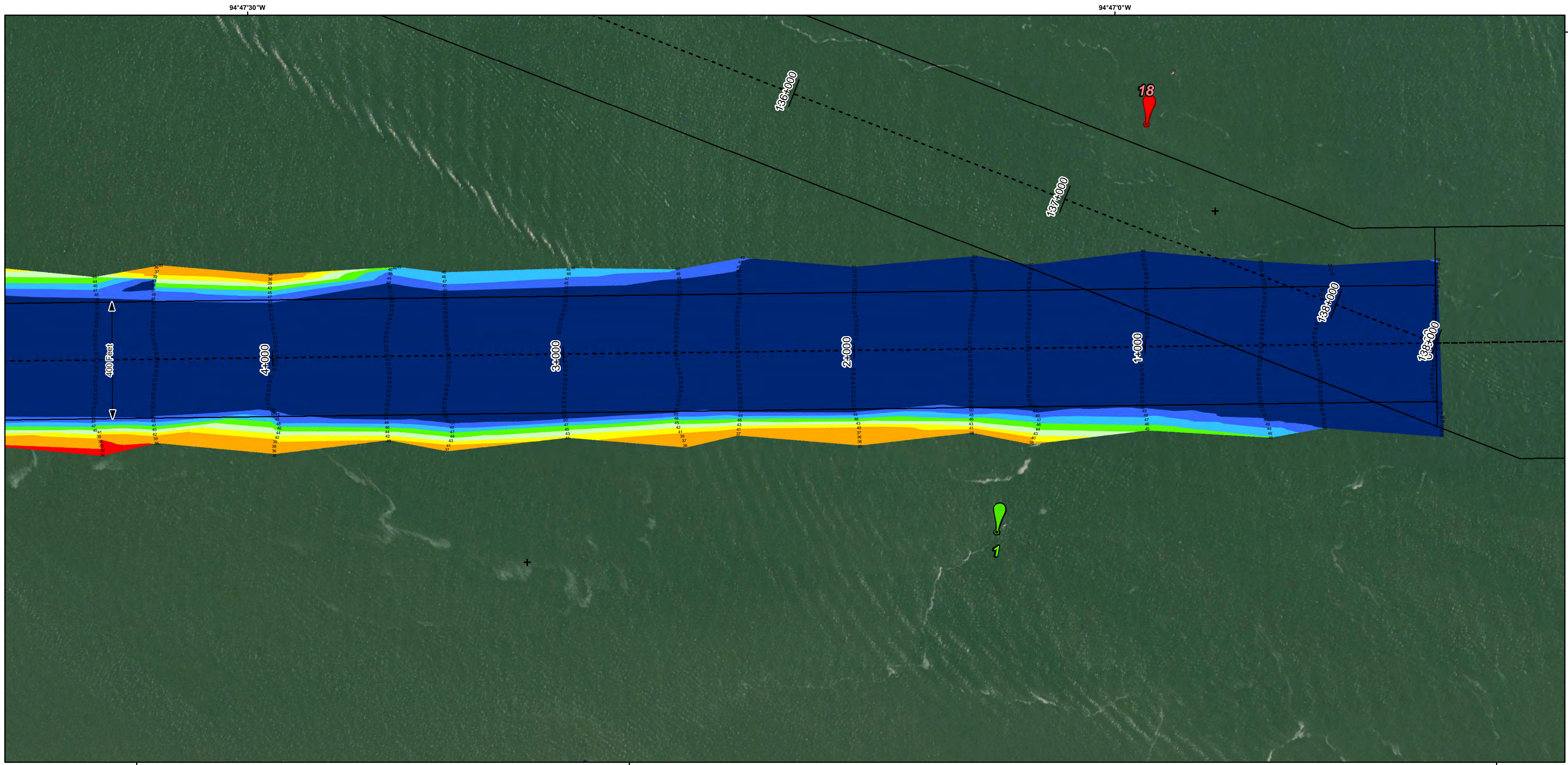
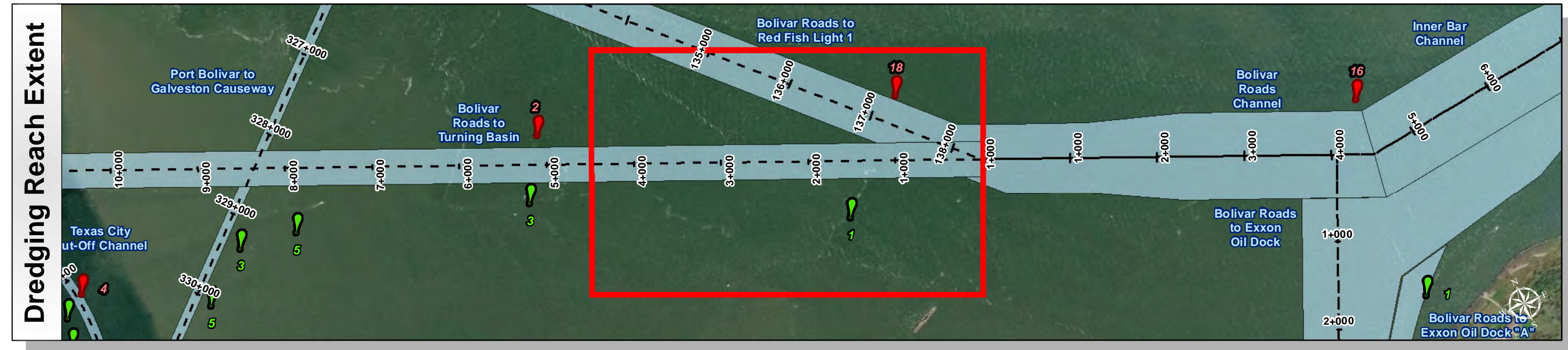
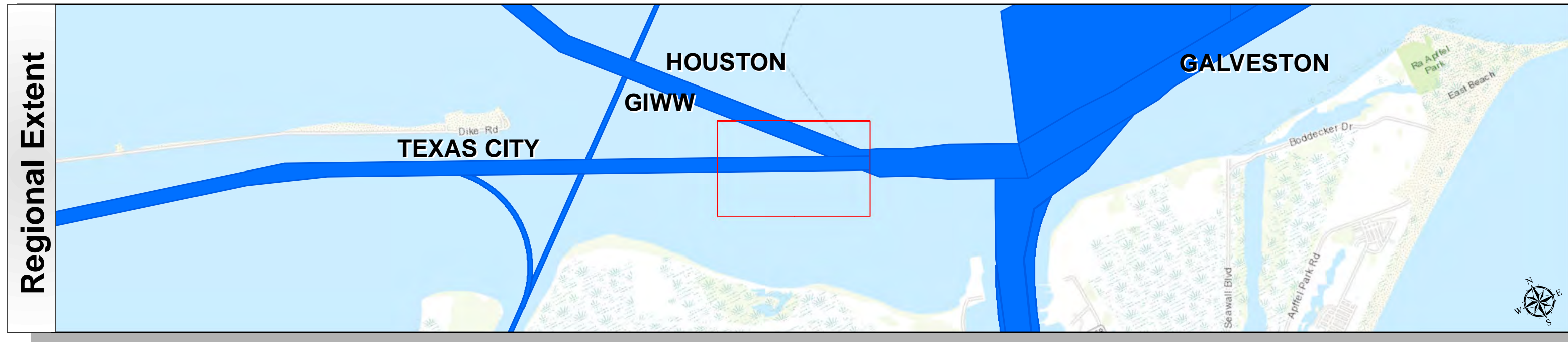


# Texas City Harbor Channel: Bolivar Roads to Turning Basin

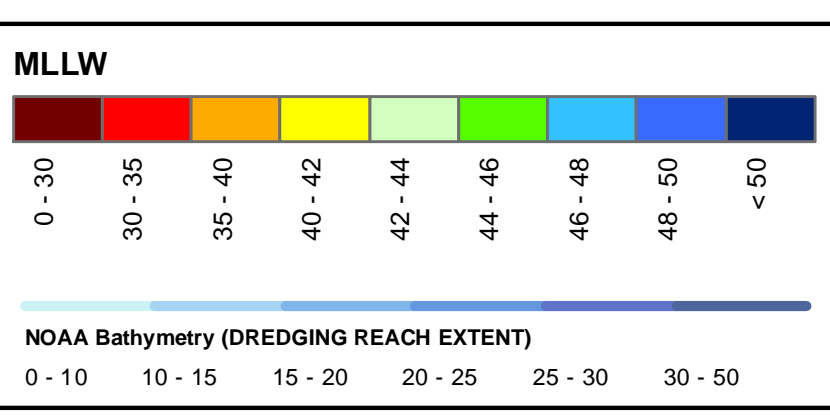


U.S. Army Corps of Engineers  
Galveston District



Survey Date(s): 29 November 2019	Authorized Depth: -46ft.
Page: 1 of 12	Side Slope Ratio: (Rise : Run)
Scale: 1:2,000	Additional Imagery: © DigitalGlobe Inc.
Mapped by: MSAOX PAC	Print Date: 12/4/2019
Additional Info:	

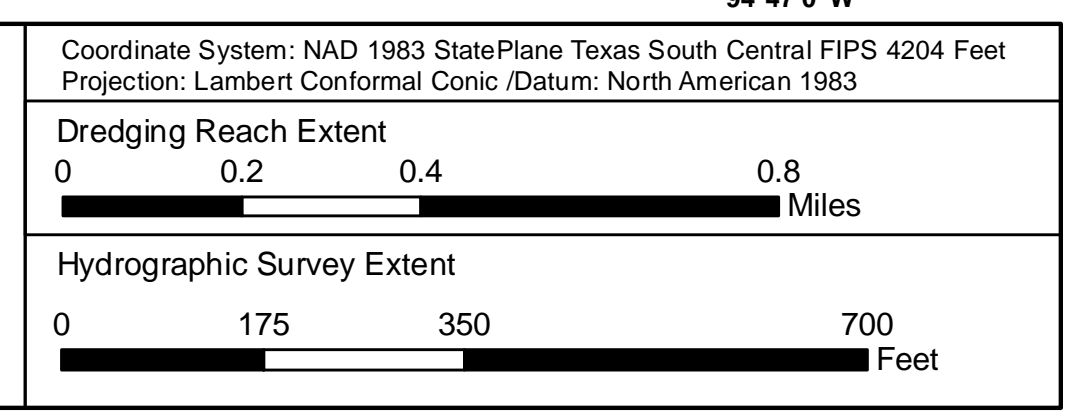
Channel Features	Aids to Navigation
— Channel Toe	Green Side Aids
- - - Channel Center Line	Red Side Aids
— Channel Station Lines	Lights
↔ Channel Dimensions	



NOTES:

- HORIZONTAL COORDINATES ARE REFERENCED TO TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE NAD83 US SURVEY FEET.
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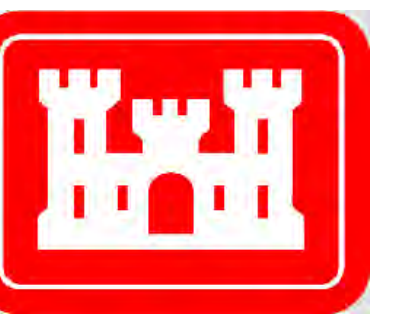
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Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeBCO, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community  
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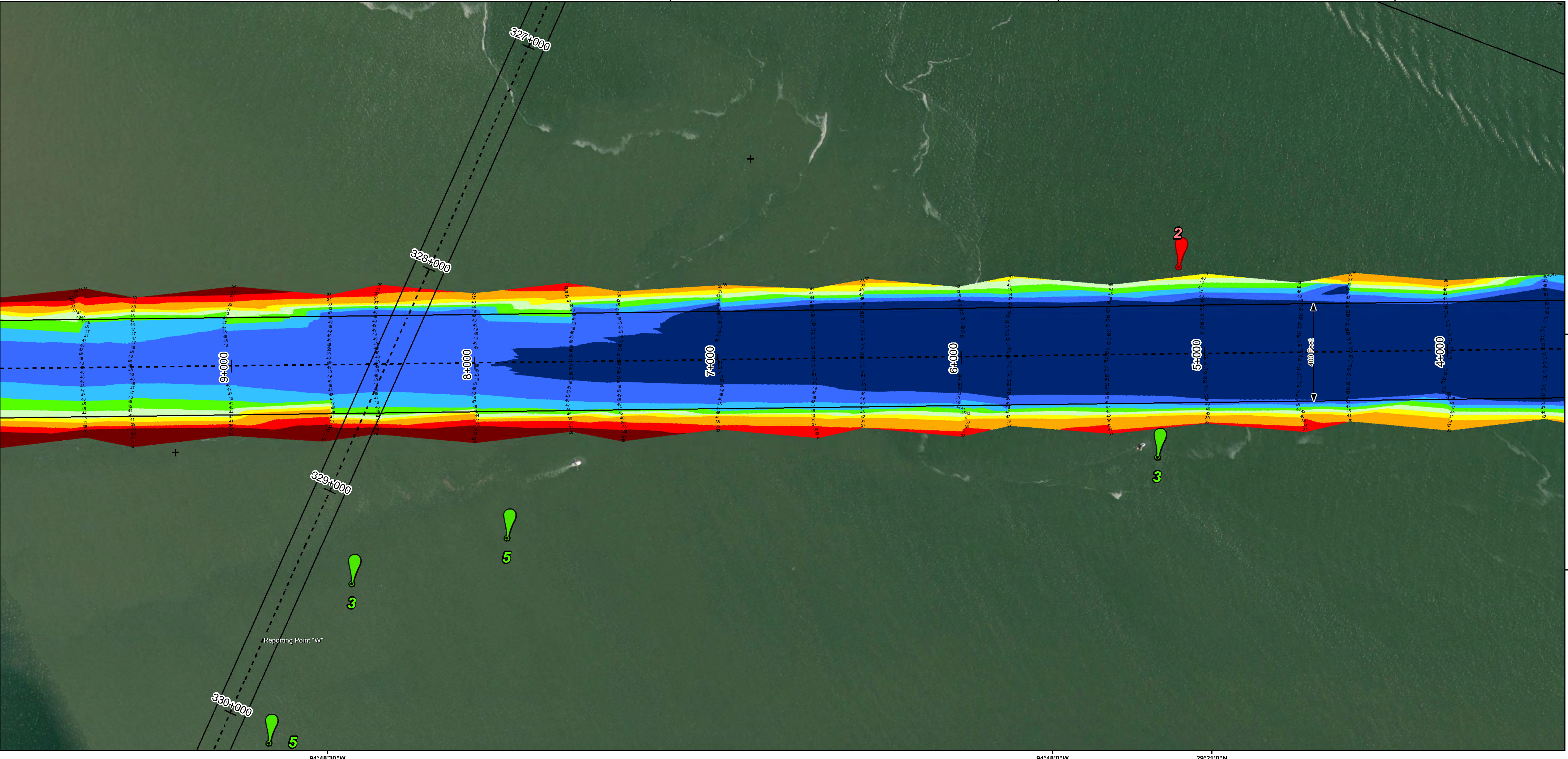
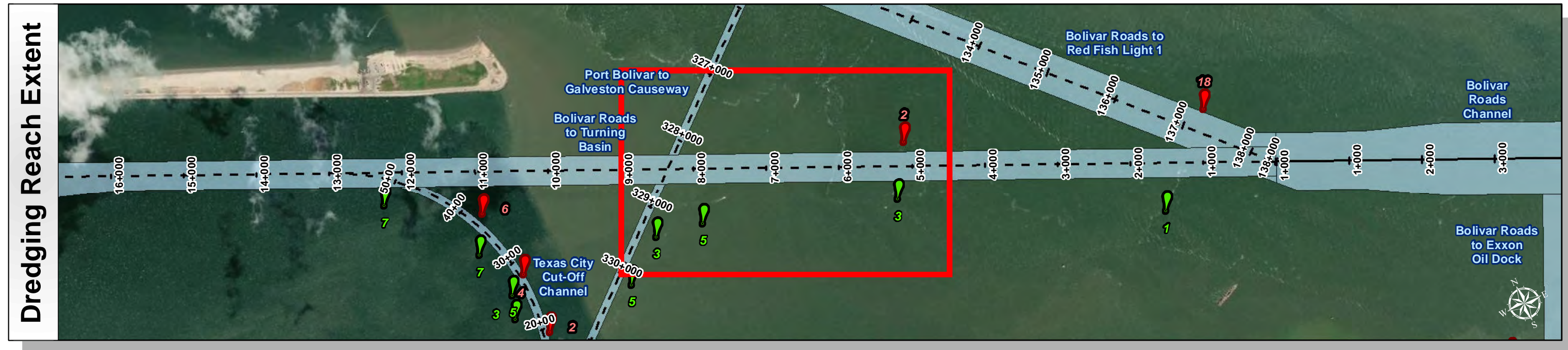
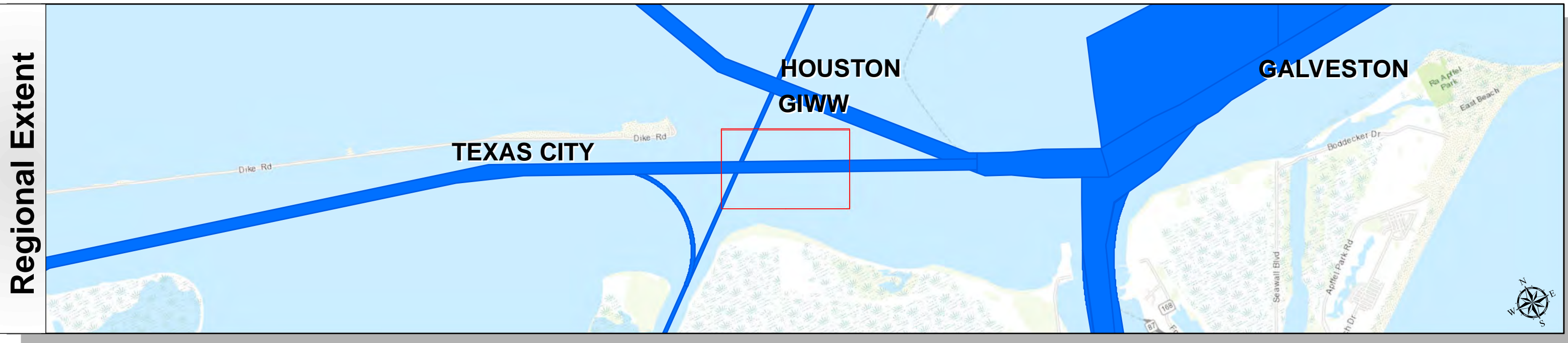
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U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

**Station: 0+000 to 36+200.7**  
**TEXAS CITY**  
TEXAS CITY, TEXAS

# Texas City Harbor Channel: Bolivar Roads to Turning Basin



U.S. Army Corps of Engineers  
Galveston District

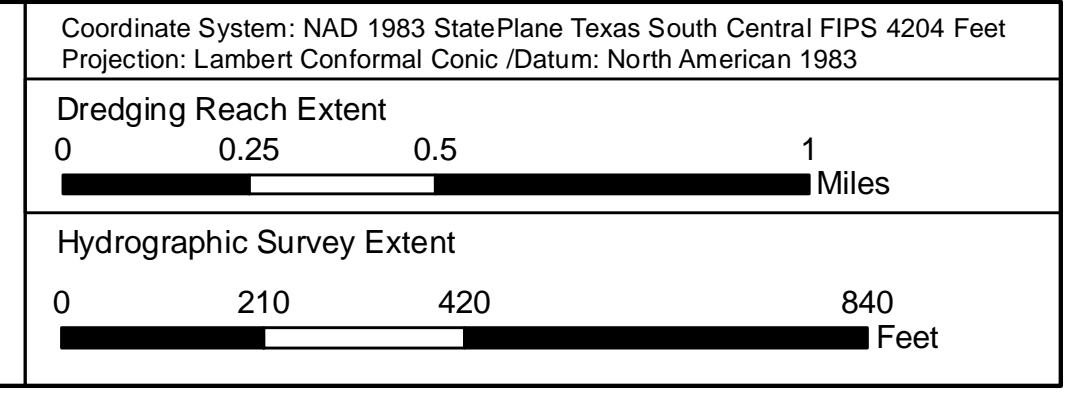
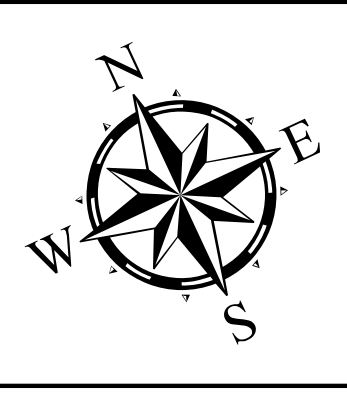


Channel Features	Aids to Navigation	MLLW
— Channel Toe	Green Side Aids	0 - 30
- - - Channel Center Line	Red Side Aids	30 - 35
— Channel Station Lines	Lights	35 - 40
↔ Channel Dimensions		40 - 42
		42 - 44
		44 - 46
		46 - 48
		48 - 50
		< 50
		NOAA Bathymetry (DREDGING REACH EXTENT)
		0 - 10
		10 - 15
		15 - 20
		20 - 25
		25 - 30
		30 - 50

NOTES:

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Page: 2 of 12	Side Slope Ratio: (Rise : Run)
Map:	Additional Imagery: © DigitalGlobe Inc.
Scale: 1:2,400	Print Date: 12/4/2019
Mapped by: MSAOX PAC	
Additional Info:	

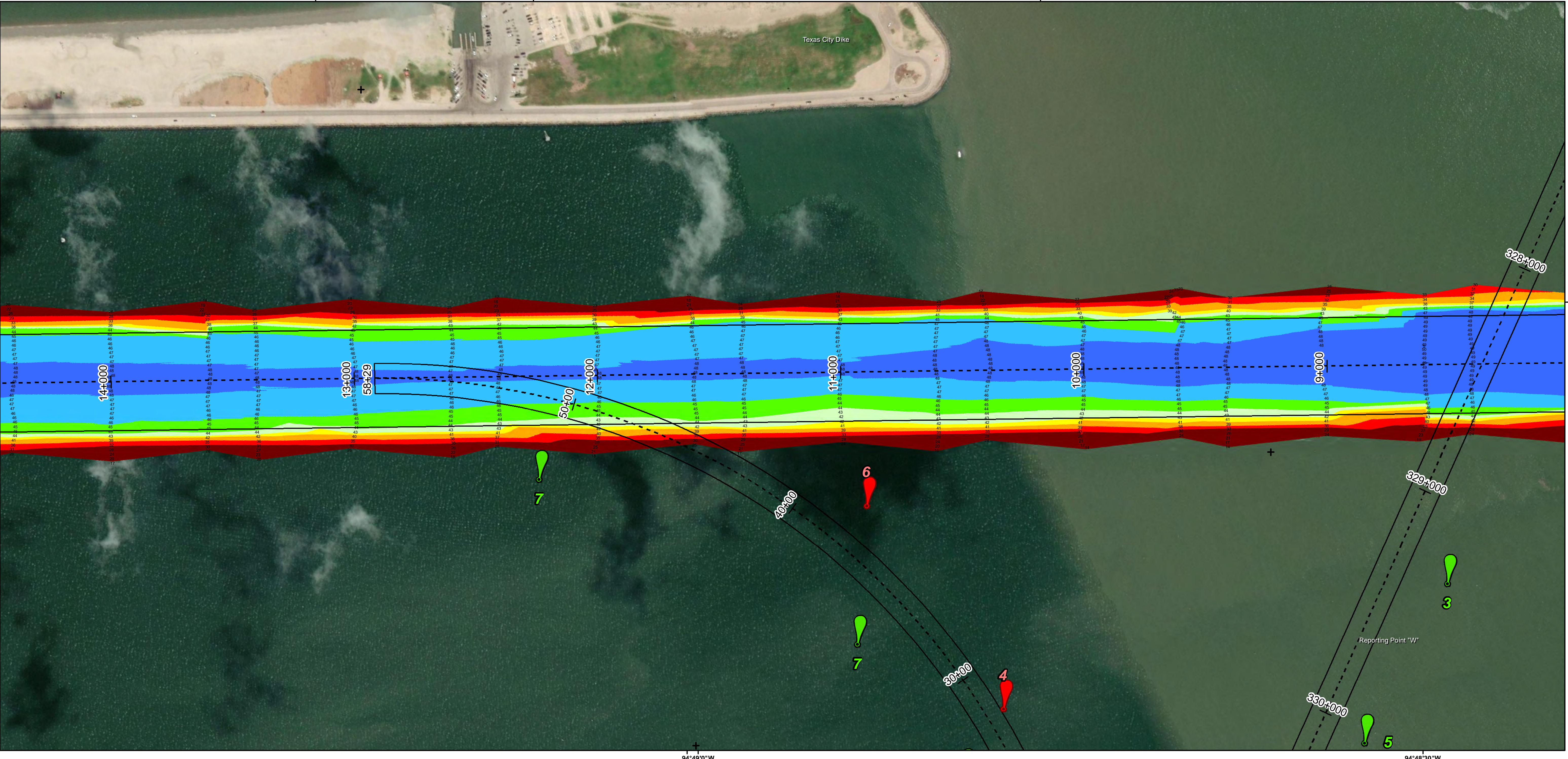
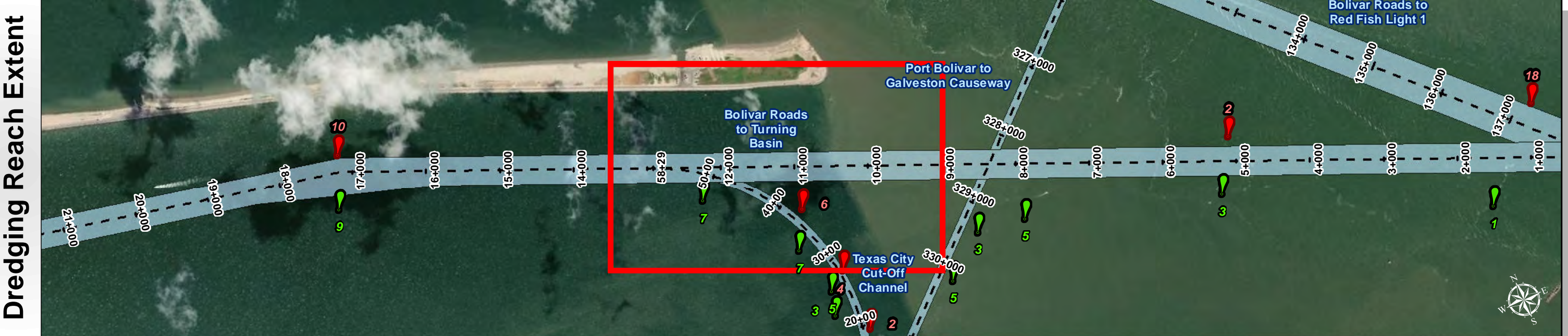
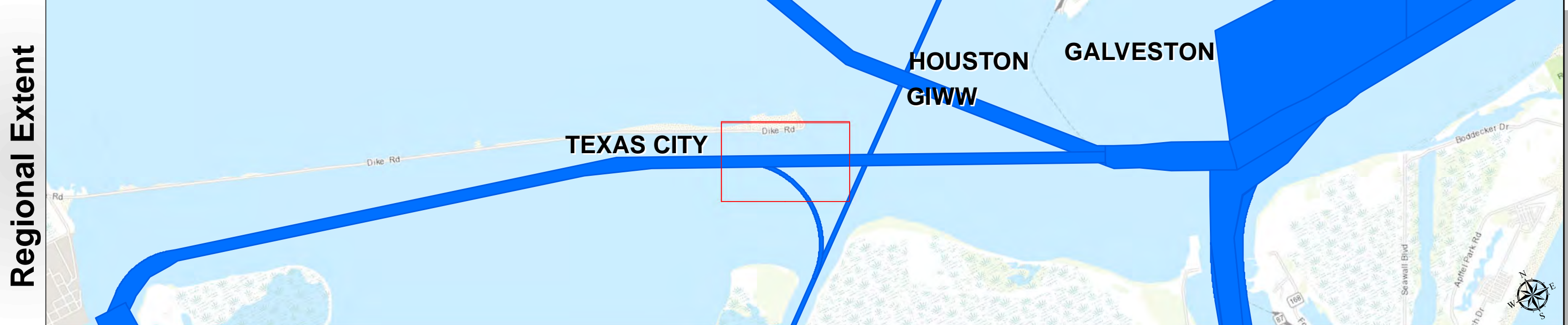
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U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

**Station: 0+000 to 36+200.7**  
**TEXAS CITY**  
TEXAS CITY, TEXAS

# Texas City Harbor Channel: Bolivar Roads to Turning Basin



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 - 30	30 - 35	35 - 40	40 - 42	42 - 44	44 - 46	46 - 48	48 - 50	< 50
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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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**NOTES:**

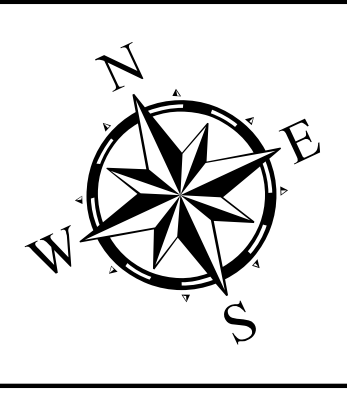
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Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet  
Projection: Lambert Conformal Conic, Datum: North American 1983

**Dredging Reach Extent**

**Hydrographic Survey Extent**

Survey Date(s): 29 November 2019	Authorized Depth: -46ft.
Page: 3 of 12	Side Slope Ratio: (Rise : Run)
Scale: 1:2,400	Additional Imagery: © DigitalGlobe Inc.
Mapped by: MSAOX PAC	Print Date: 12/4/2019
Additional Info:	

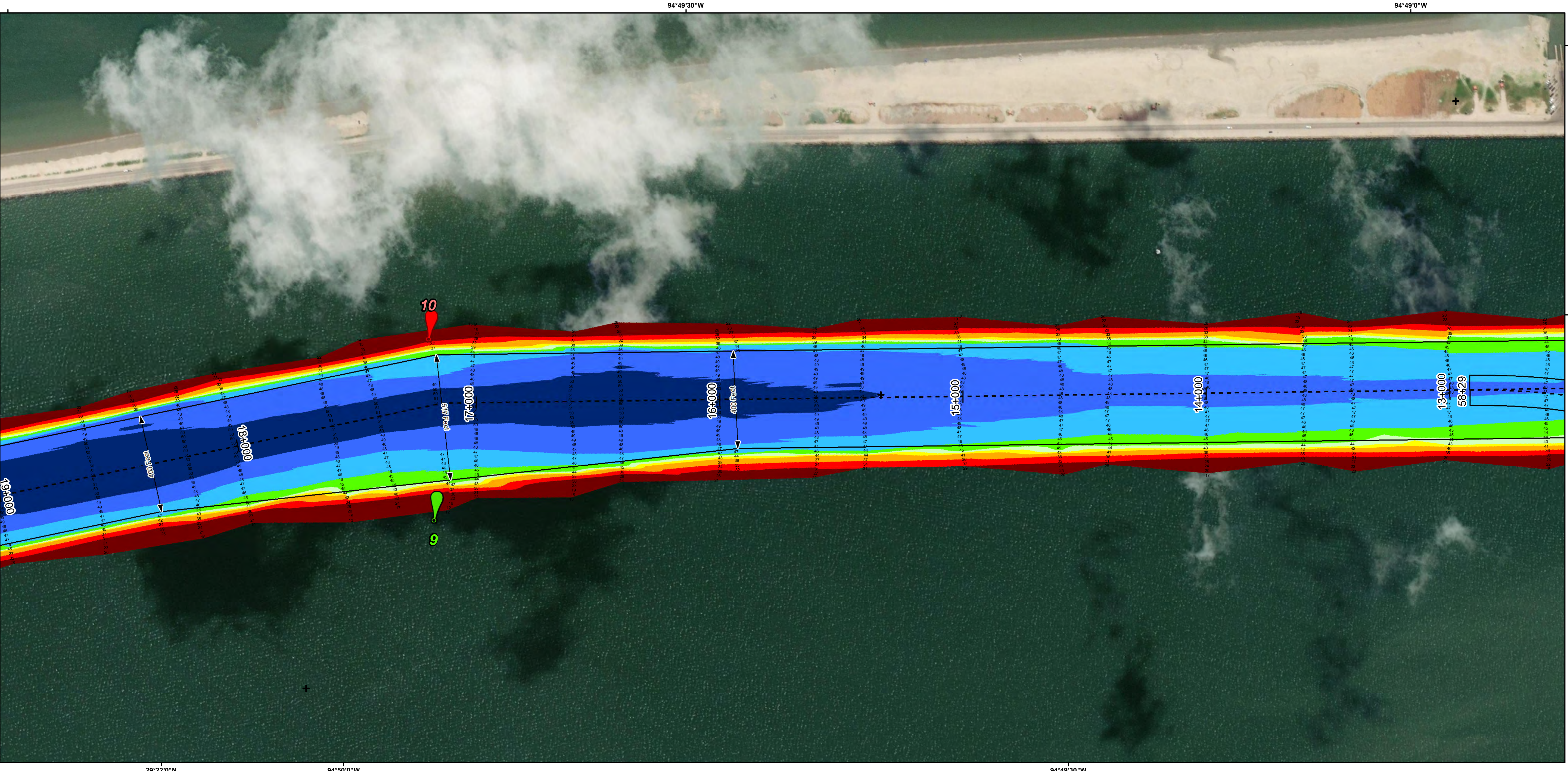
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CORPS OF ENGINEERS  
GALVESTON, TEXAS

**Station: 0+000 to 36+200.7**  
TEXAS CITY  
TEXAS CITY, TEXAS

# Texas City Harbor Channel: Bolivar Roads to Turning Basin



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 - 30	30 - 35	35 - 40	40 - 42	42 - 44	44 - 46	46 - 48	48 - 50	< 50
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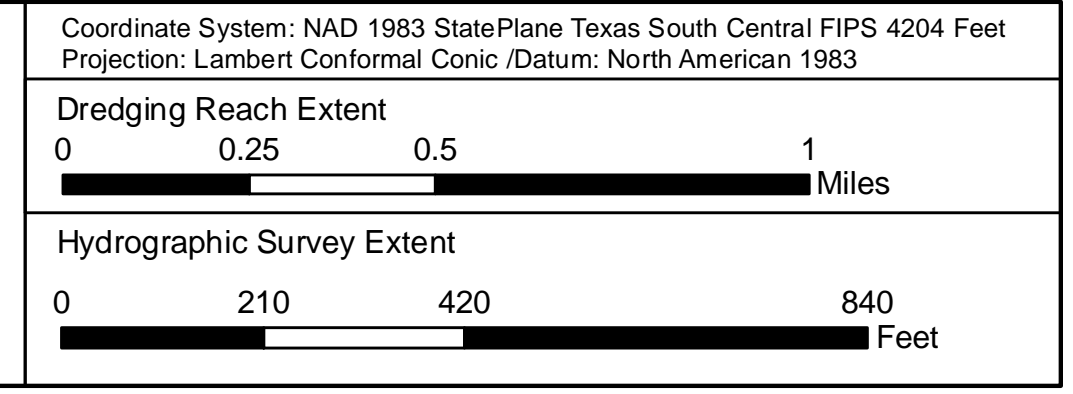
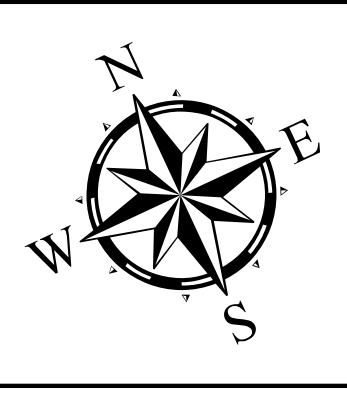
**NOAA Bathymetry (DREDGING REACH EXTENT)**

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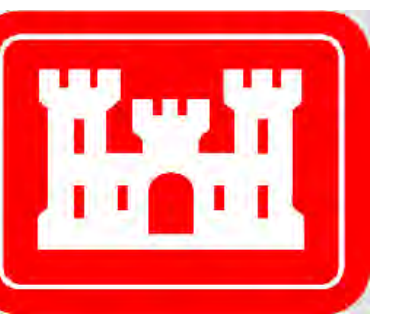


Survey Date(s): 29 November 2019	Authorized Depth: -46ft.
Page: 4 of 12	Side Slope Ratio: (Rise : Run)
Scale: 1:2,400	Additional Imagery: © DigitalGlobe Inc.
Mapped by: MSAOX PAC	Print Date: 12/4/2019
Additional Info:	

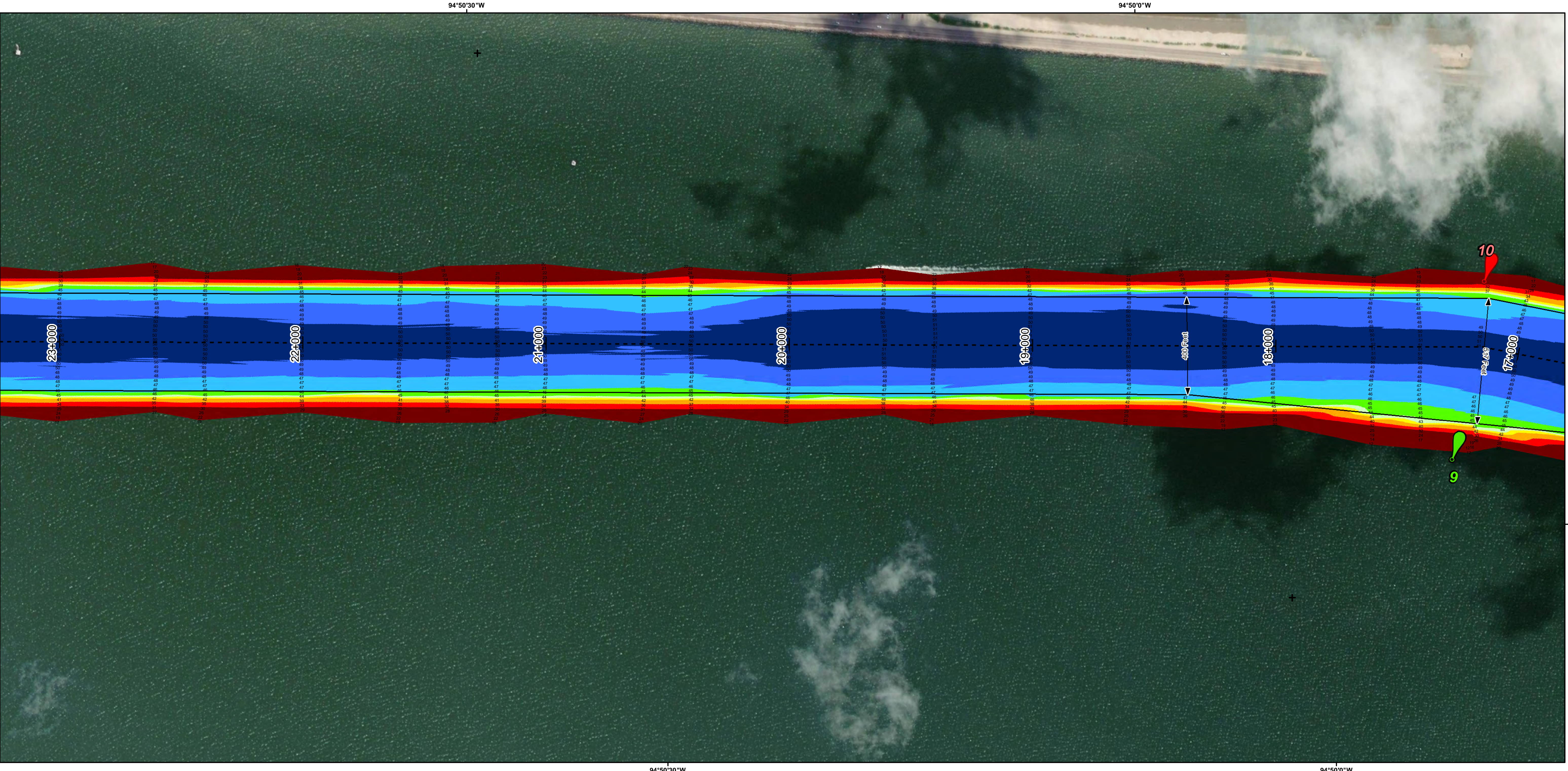
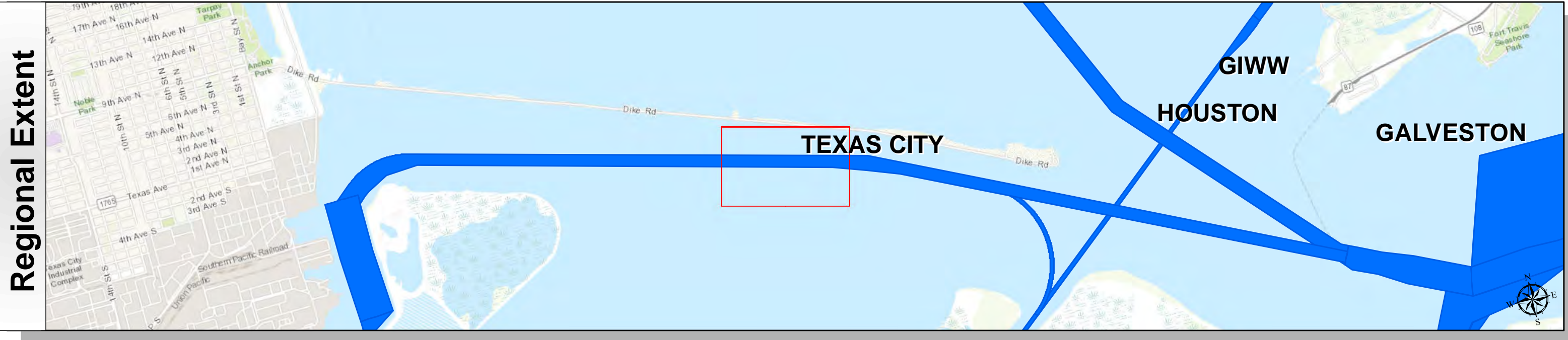
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U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

**Station: 0+000 to 36+200.7**  
**TEXAS CITY**  
TEXAS CITY, TEXAS

# Texas City Harbor Channel: Bolivar Roads to Turning Basin



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 - 30  
30 - 35  
35 - 40  
40 - 42  
42 - 44  
44 - 46  
46 - 48  
48 - 50  
< 50

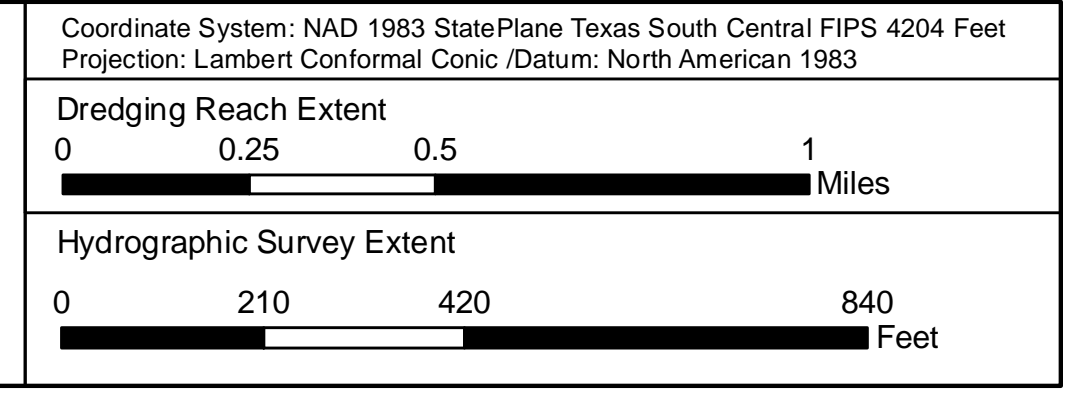
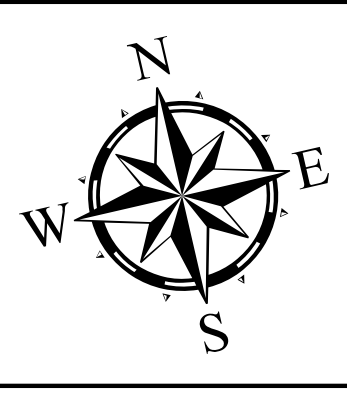
**NOAA Bathymetry (DREDGING REACH EXTENT)**

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

**NOTES:**

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Page: 5 of 12	Side Slope Ratio: (Rise : Run)
Map:	Additional Imagery: © DigitalGlobe Inc.
Scale: 1:2,400	Print Date: 12/4/2019
Mapped by: MSAOXFAC	
Additional Info:	

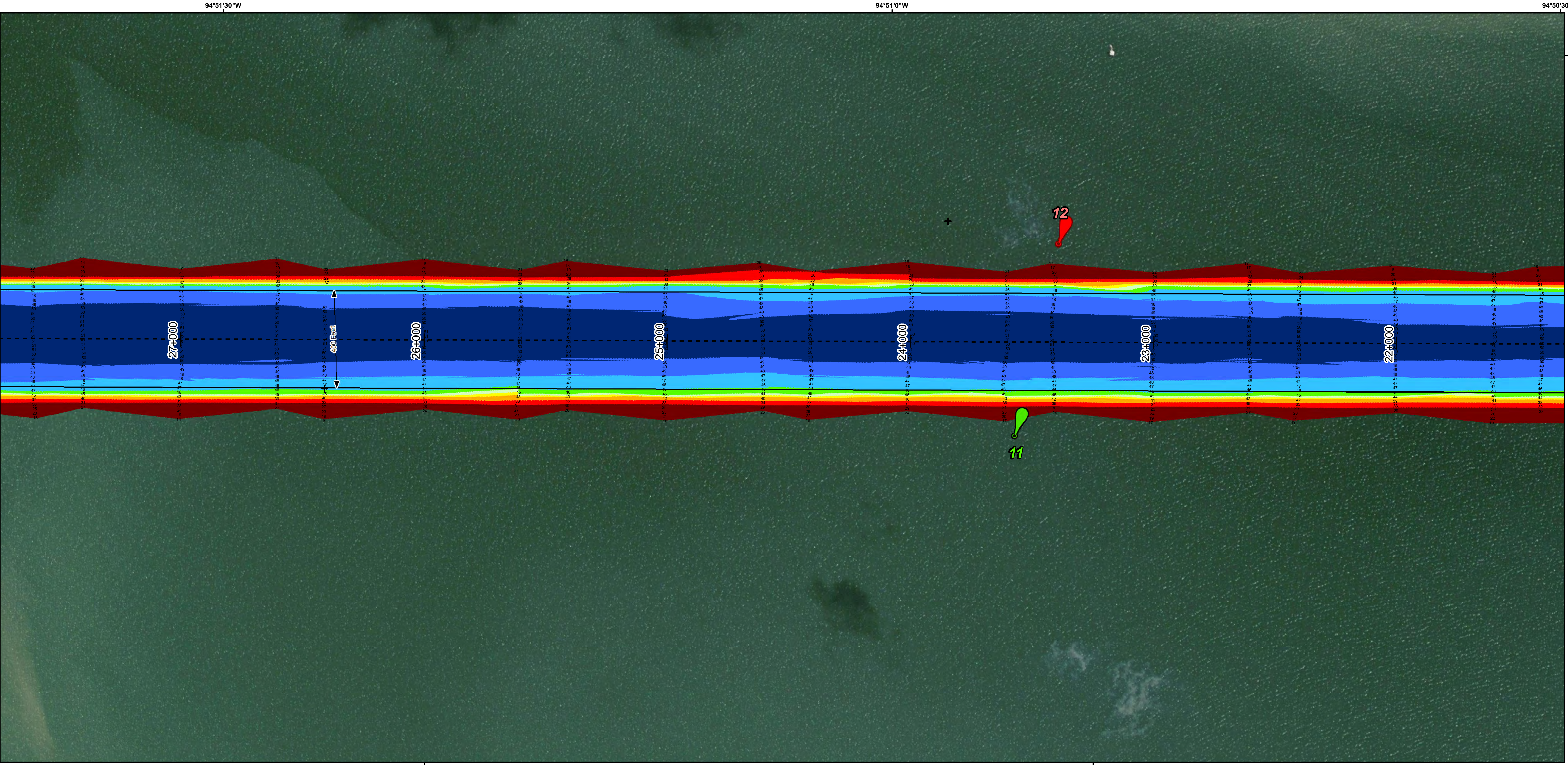
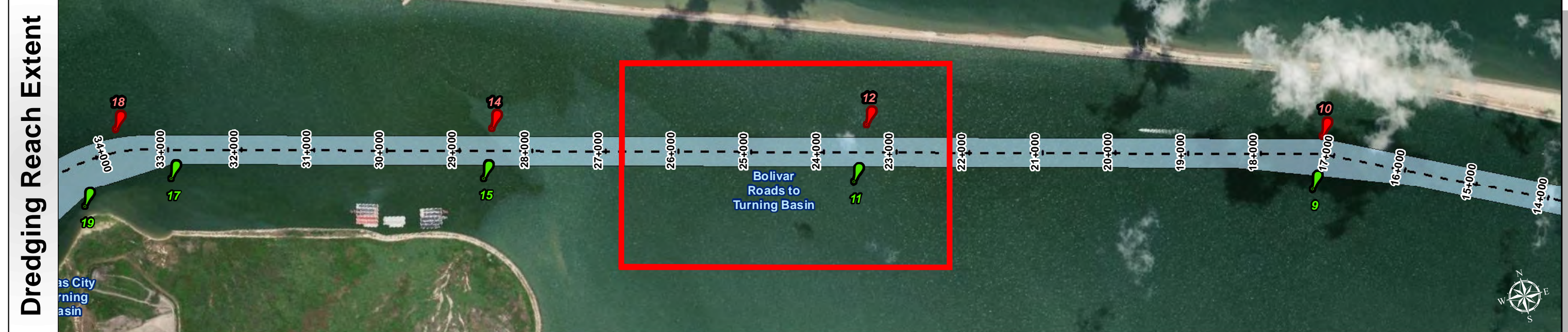
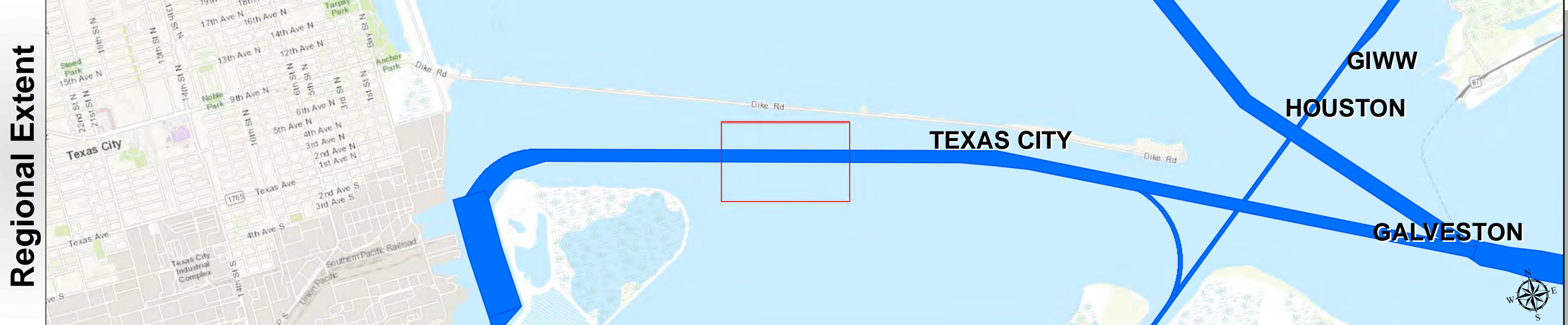
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CORPS OF ENGINEERS  
GALVESTON, TEXAS

**Station: 0+000 to 36+200.7**  
**TEXAS CITY**  
TEXAS CITY, TEXAS

# Texas City Harbor Channel: Bolivar Roads to Turning Basin

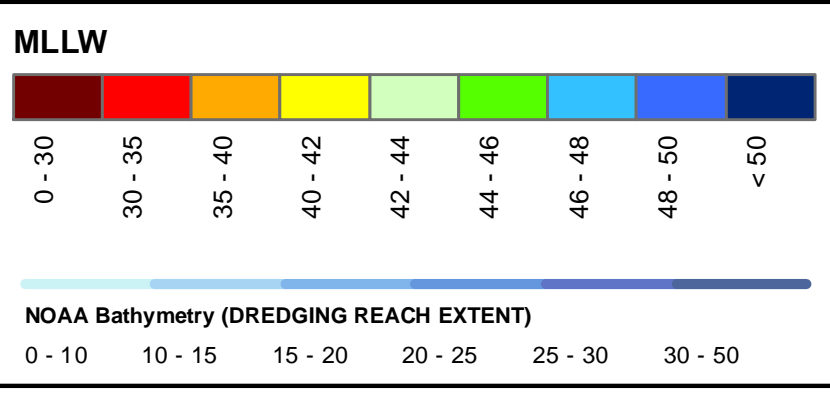


U.S. Army Corps of Engineers  
Galveston District



Survey Date(s): 29 November 2019	Authorized Depth: -46ft.
Page: 6 of 12	Side Slope Ratio: (Rise : Run)
Map:	Additional Imagery: © DigitalGlobe Inc.
Scale: 1:2,400	Print Date: 12/4/2019
Mapped by: MSAOX PAC	
Additional Info:	

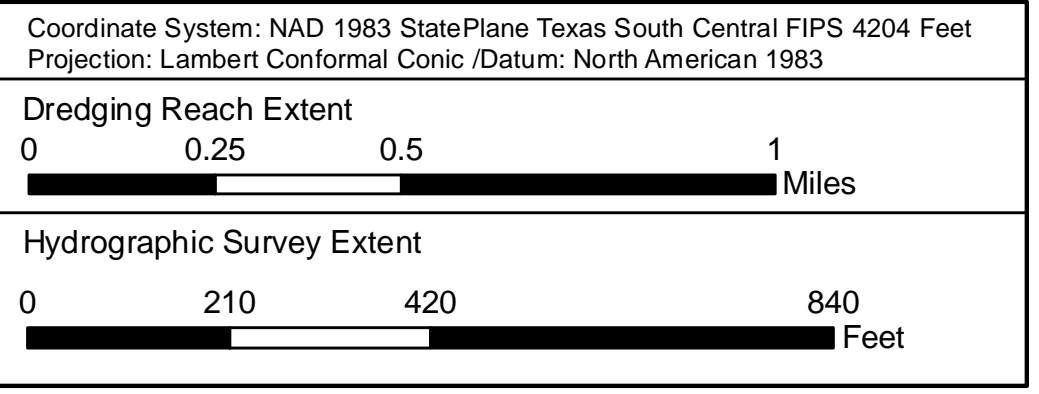
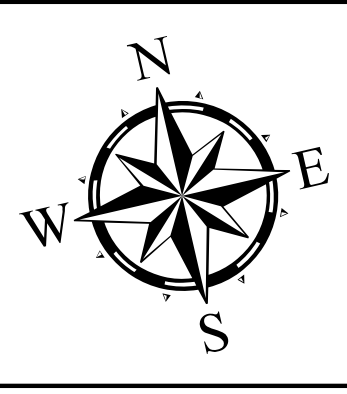
Channel Features	Aids to Navigation
— Channel Toe	Green Side Aids
- - - Channel Center Line	Red Side Aids
— Channel Station Lines	Lights
↔ Channel Dimensions	



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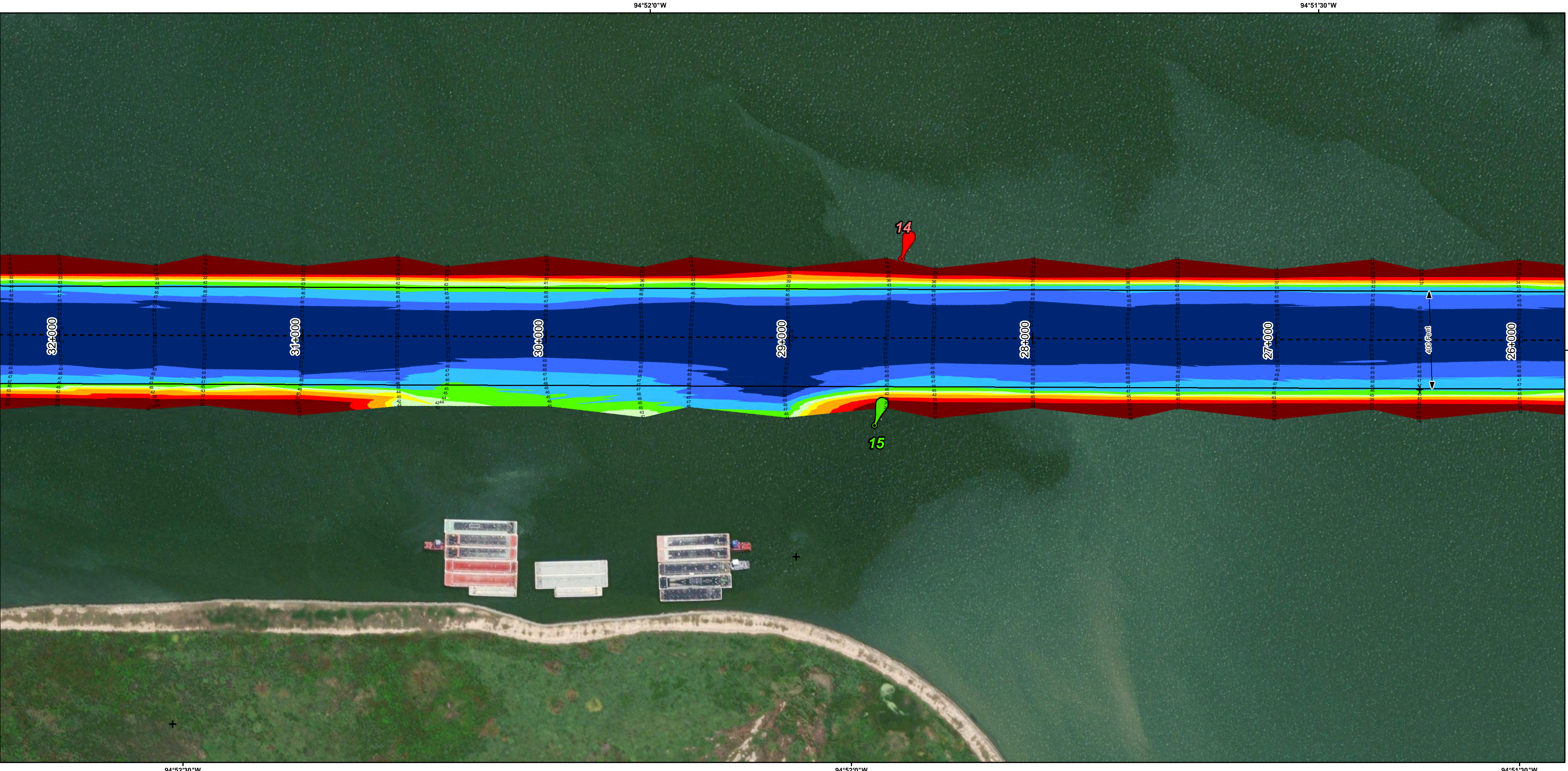
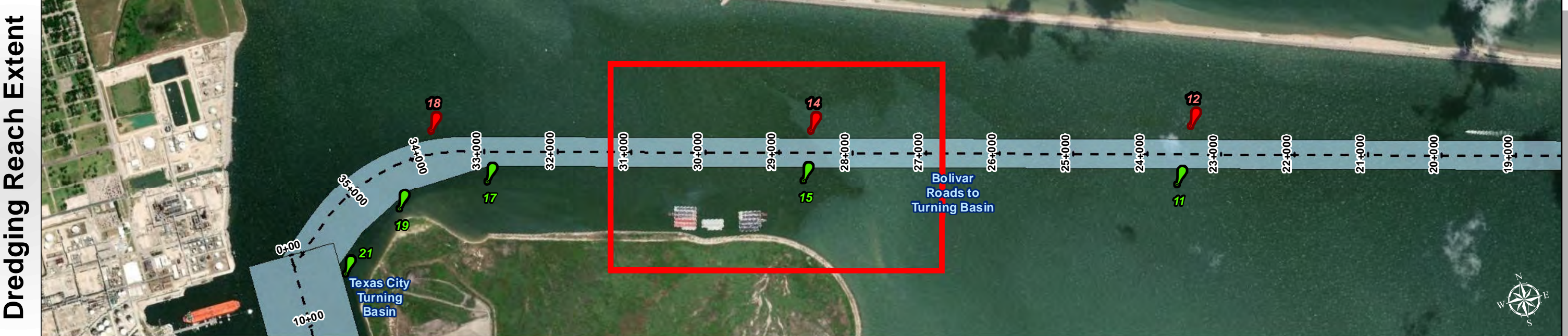
**HYDROGRAPHIC SURVEY**  
 U.S. ARMY ENGINEER DISTRICT  
 CORPS OF ENGINEERS  
 GALVESTON, TEXAS

**Station: 0+000 to 36+200.7**  
 TEXAS CITY  
 TEXAS CITY, TEXAS

# Texas City Harbor Channel: Bolivar Roads to Turning Basin



U.S. Army Corps of Engineers  
Galveston District



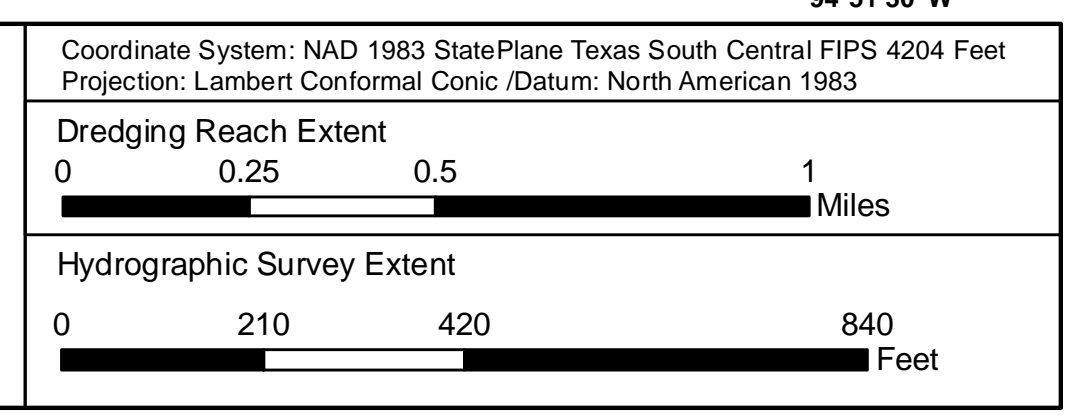
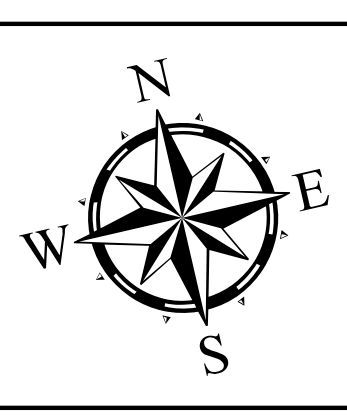
Channel Features	Aids to Navigation	MLLW						
<ul style="list-style-type: none"> <li>Channel Toe</li> <li>Channel Center Line</li> <li>Channel Station Lines</li> <li>Channel Dimensions</li> </ul>	<ul style="list-style-type: none"> <li>Green Side Aids</li> <li>Red Side Aids</li> <li>Lights</li> </ul>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

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.

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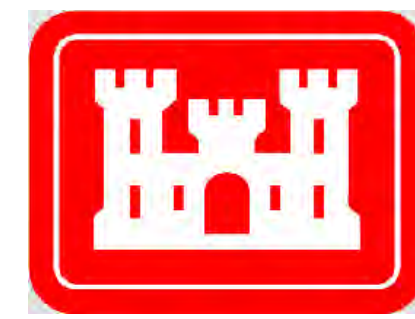


Survey Date(s): 29 November 2019	Authorized Depth: -46ft.
Page: 7 of 12	Side Slope Ratio: (Rise : Run)
Map:	Additional Imagery: © DigitalGlobe Inc.
Scale: 1:2,400	Print Date: 12/4/2019
Mapped by: MSAOX PAC	Additional Info:

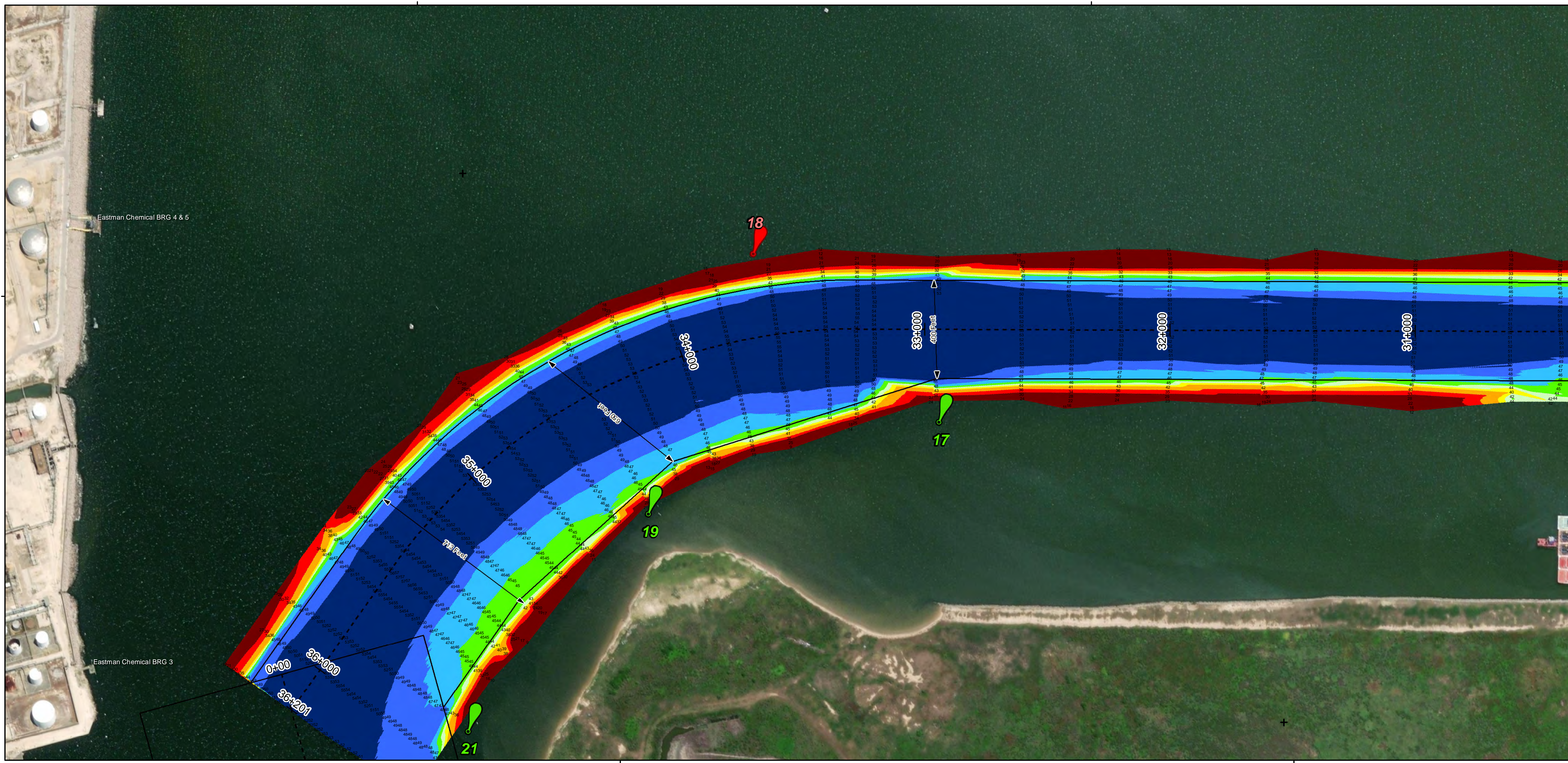
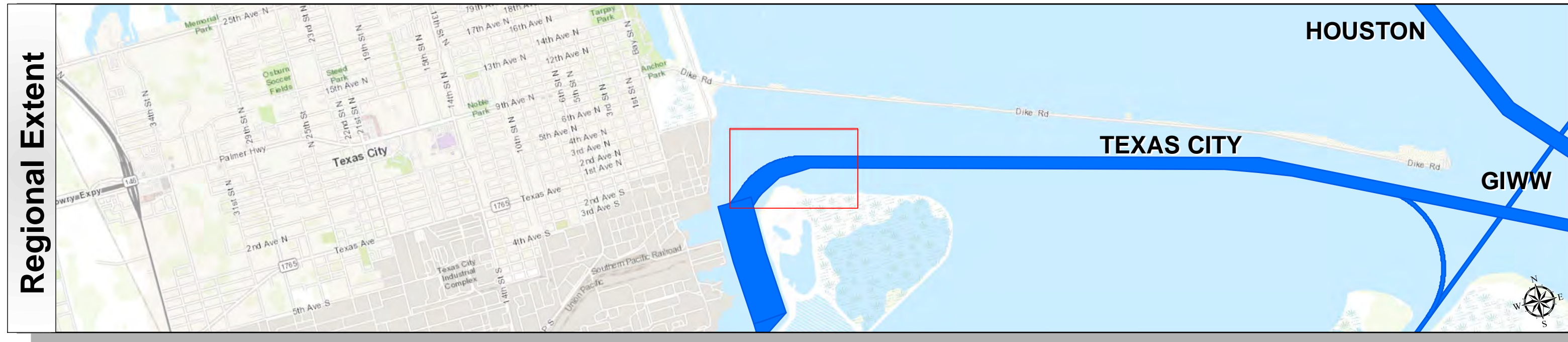
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U.S. ARMY ENGINEER DISTRICT  
CORPS OF ENGINEERS  
GALVESTON, TEXAS

**Station: 0+000 to 36+200.7**  
**TEXAS CITY**  
TEXAS CITY, TEXAS

# Texas City Harbor Channel: Bolivar Roads to Turning Basin



U.S. Army Corps of Engineers  
Galveston District

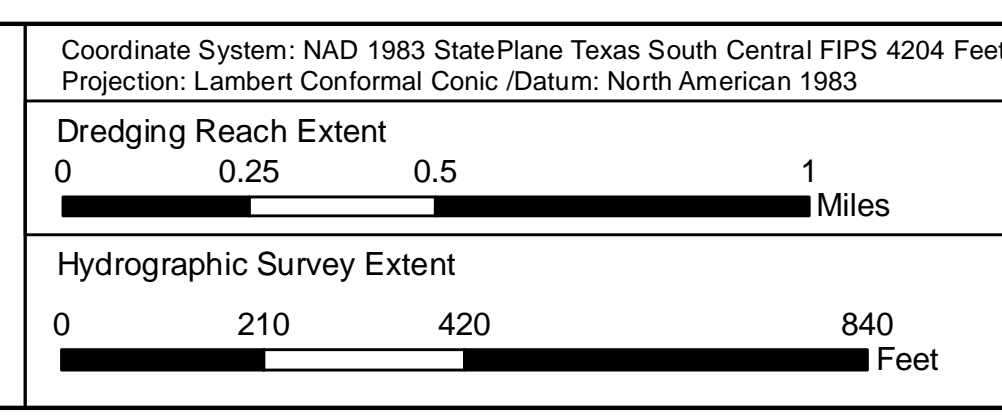
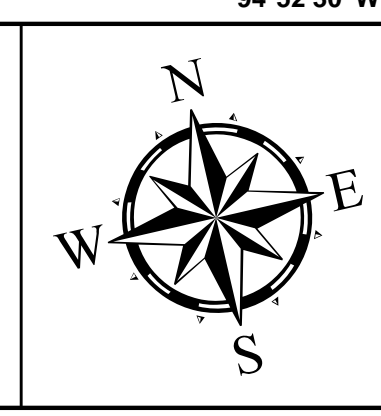


Channel Features	Aids to Navigation	MLLW
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