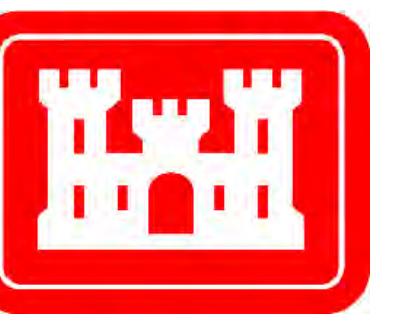
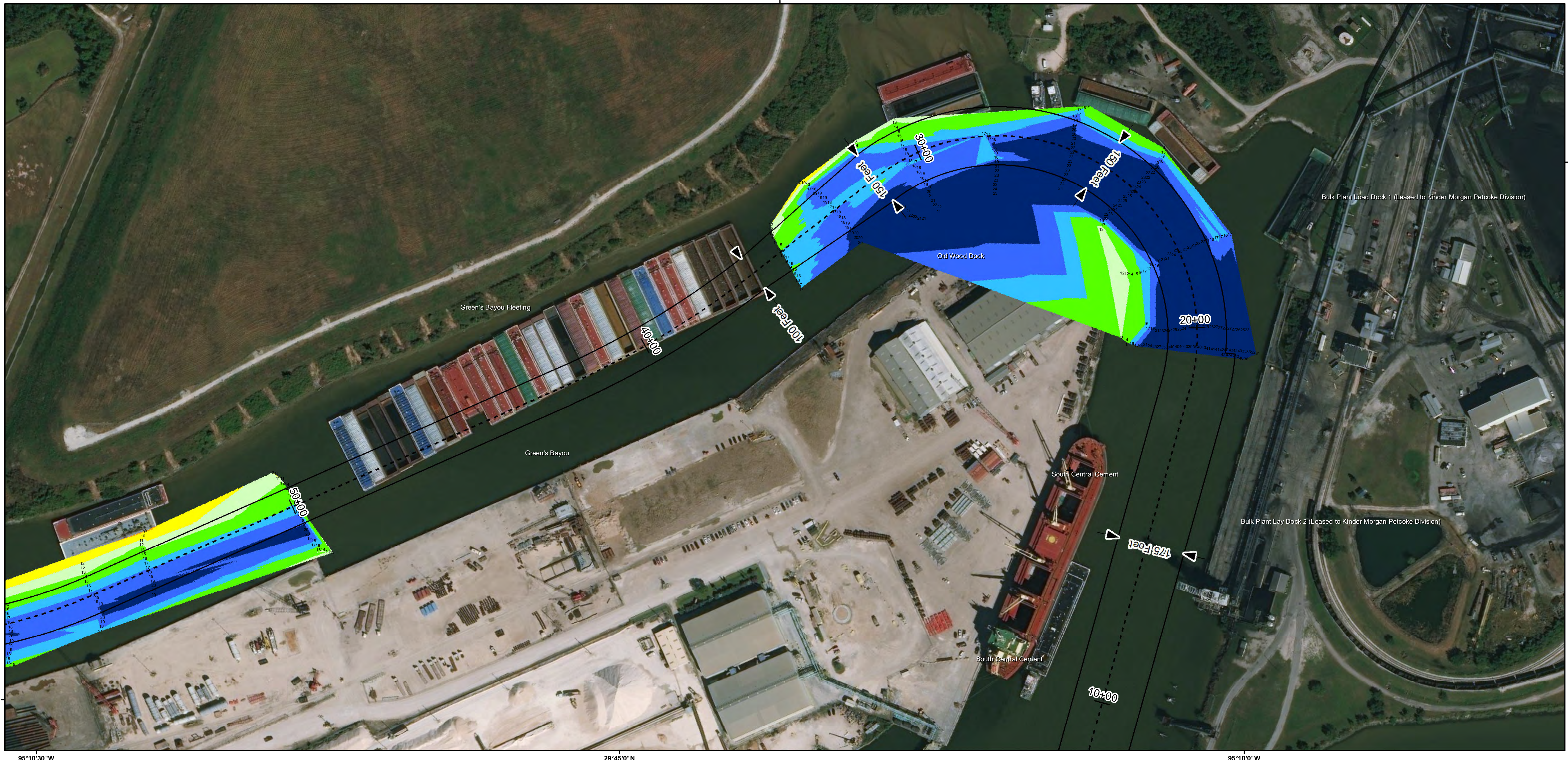
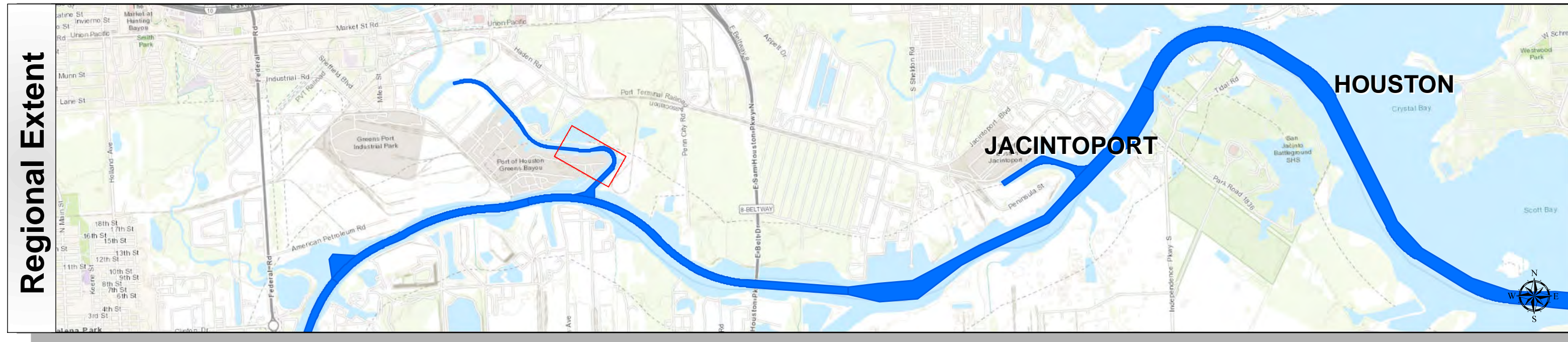


Houston Ship Channel: First Bend to Parker Brothers Slip



U.S. Army Corps of Engineers
Galveston District



Channel Features	Aids to Navigation	MLLW
— Channel Toe	Green Side Aids	0 - 5 5 - 8 8 - 10 10 - 12 12 - 14 14 - 16 16 - 18 18 - 20 20+
- - - 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		

NOTES:

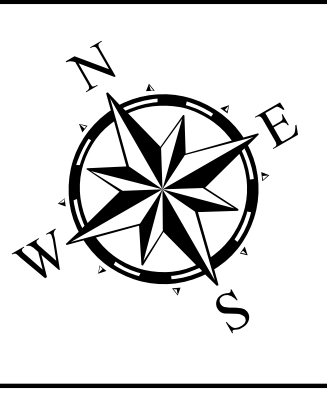
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4. THE INFORMATION DEPICTED ON THIS SURVEY MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME. THESE CONDITIONS ARE SUBJECT TO RAPID CHANGE DUE TO SHOALING EVENTS. A PRUDENT MARINER SHOULD NOT RELY EXCLUSIVELY ON THE INFORMATION PROVIDED HERE. REQUIRED BY 33 CFR 209.325

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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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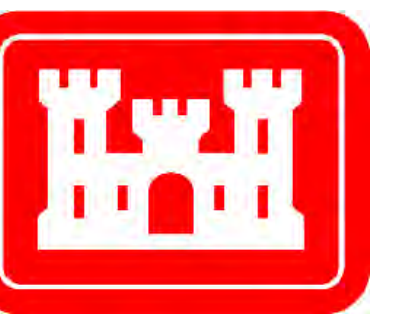
Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet Projection: Lambert Conformal Conic; Datum: North American 1983	
Dredging Reach Extent	
Hydrographic Survey Extent	

Survey Date(s): 11 May 2019	Authorized Depth: -16ft.
Page: 2 of 4	Side Slope Ratio: (Rise : Run)
Map:	Additional Imagery: © DigitalGlobe Inc.
Scale: 1:1,500	Print Date: 5/20/2019
Mapped by: MSAOX PAC	Additional Info:

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

Station: 19+39.91 to 108 + 24.464
HOUSTON
HOUSTON, TEXAS

Houston Ship Channel: First Bend to Parker Brothers Slip



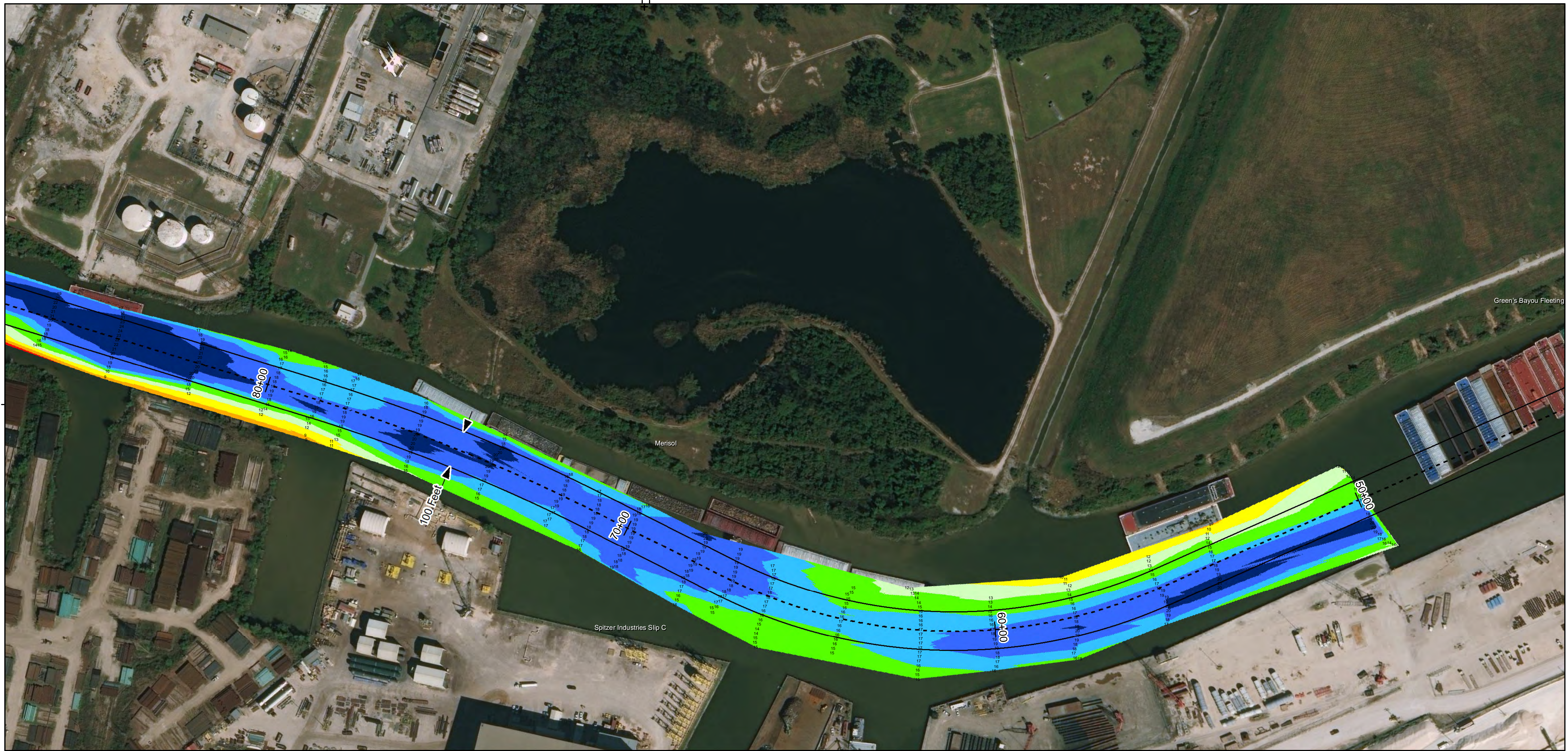
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent



29°45'30" N

95°10'30" W

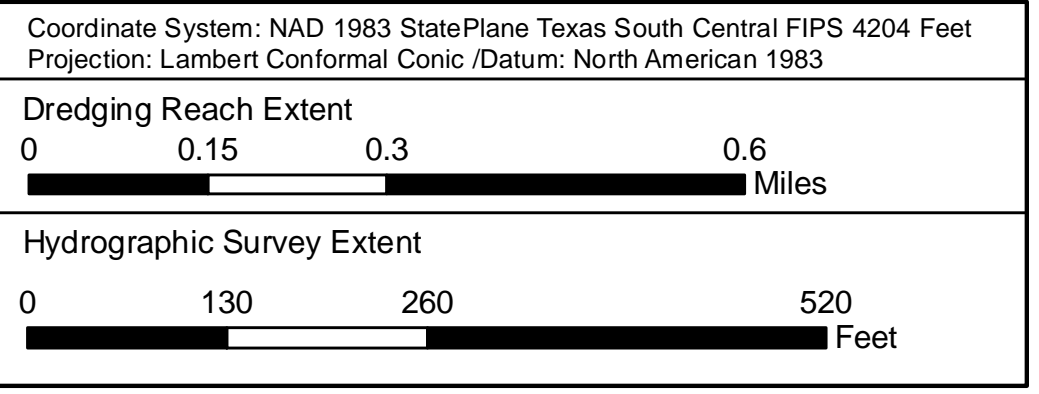
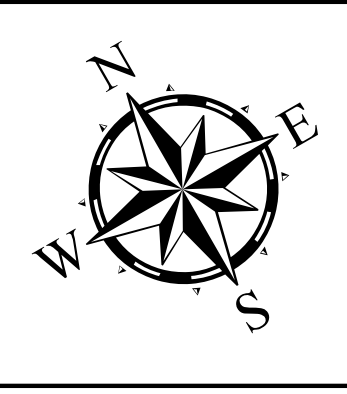
95°10'30" W

Channel Features	Aids to Navigation	MLLW
— Channel Toe	Green Side Aids	0 - 5, 5 - 8, 8 - 10, 10 - 12, 12 - 14, 14 - 16, 16 - 18, 18 - 20, 20+
- - - 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		

NOTES:

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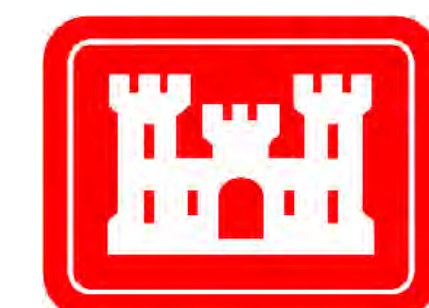


Survey Date(s): 11 May 2019	Authorized Depth: -16ft.
Page: 3 of 4	Side Slope Ratio: (Rise : Run)
Scale: 1:1,500	Additional Imagery: © DigitalGlobe Inc.
Mapped by: MSAOX PAC	Print Date: 5/20/2019
Additional Info :	

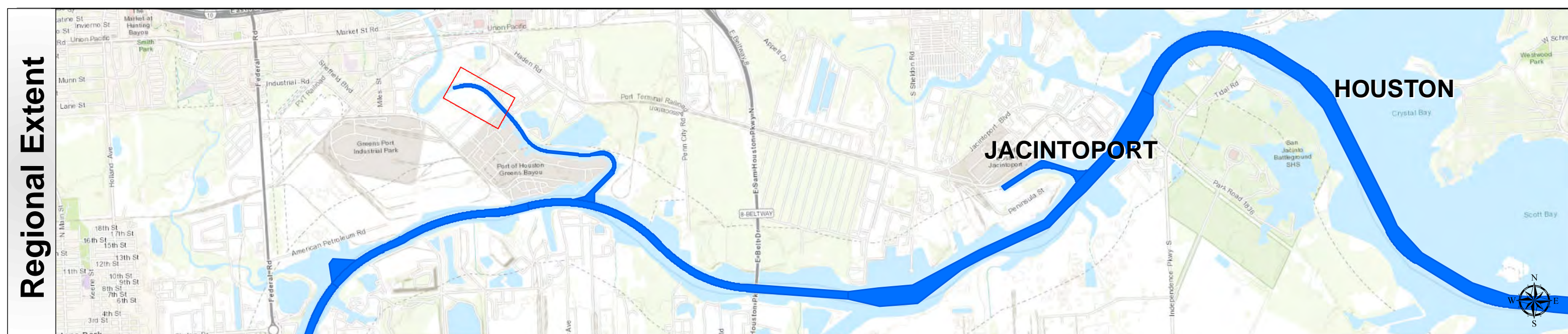
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Houston Ship Channel: First Bend to Parker Brothers Slip



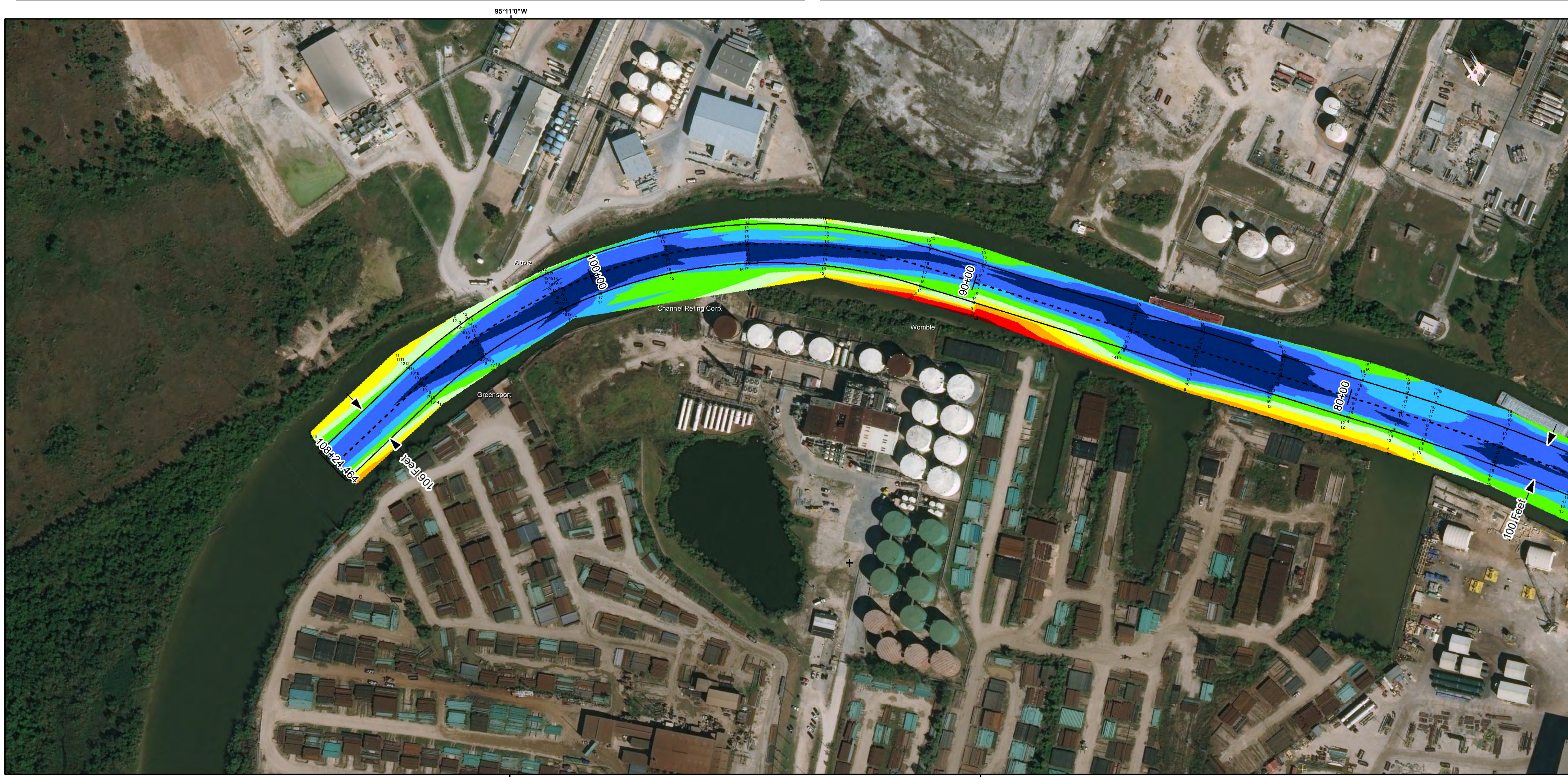
U.S. Army Corps of Engineers
Galveston District



Regional Extent



Dredging Reach Extent

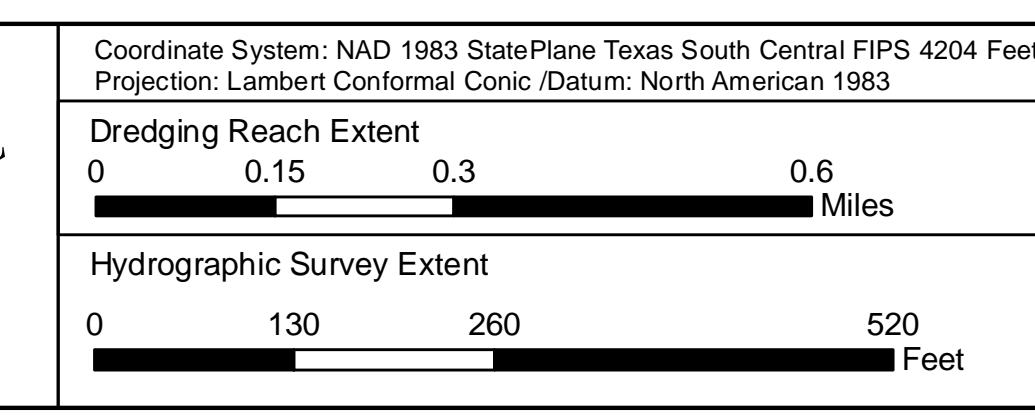
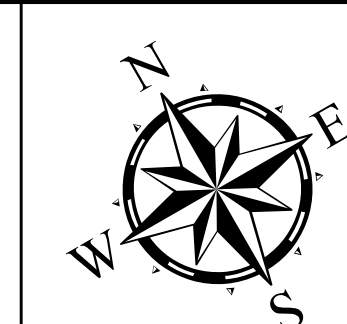


Channel Features	Aids to Navigation	MLLW
<ul style="list-style-type: none"> Channel Toe Channel Center Line Channel Station Lines Channel Dimensions 	<ul style="list-style-type: none"> Green Side Aids Red Side Aids Lights 	<p>0 - 5 5 - 8 8 - 10 10 - 12 12 - 14 14 - 16 16 - 18 18 - 20 20+</p> <p>NOAA Bathymetry (DREDGING REACH EXTENT) 0 - 10 10 - 15 15 - 20 20 - 25 25 - 30 30 - 50</p>

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