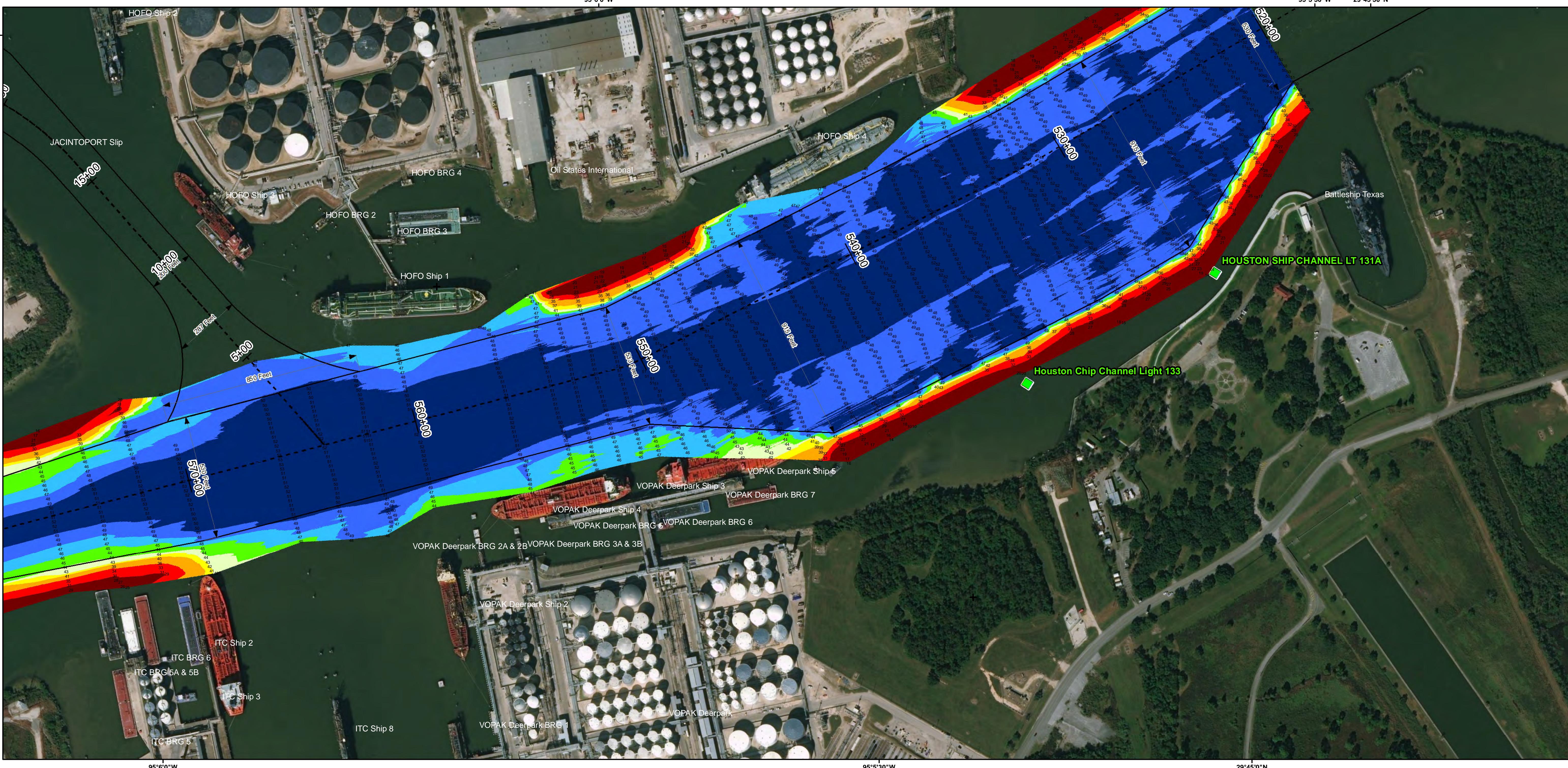
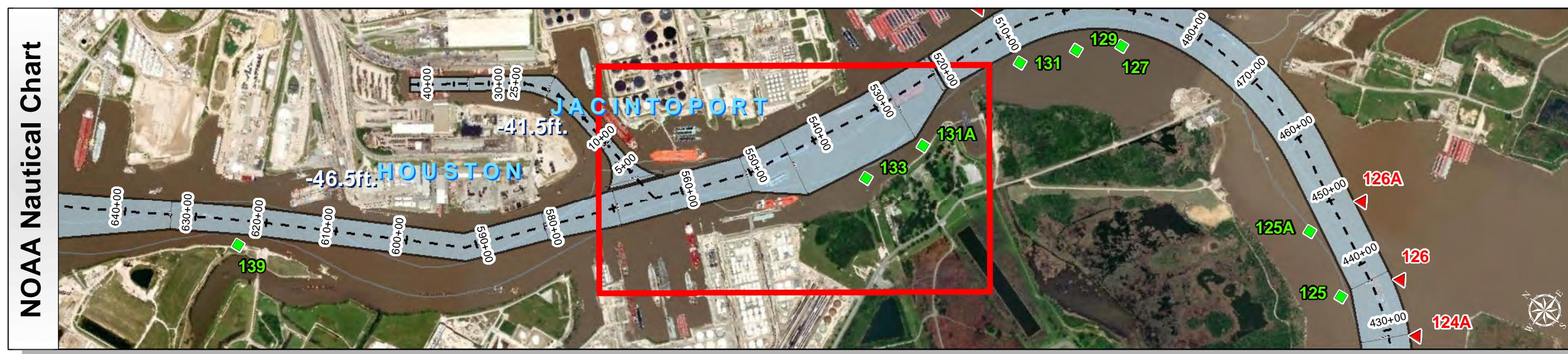


# Houston Ship Channel: Carpenters Bayou to Boggy Bayou



**Regional Extent**



Channel Features		Aids to Navigation	MLLW
Channel Toe		Lights	0 - 30
Channel Center Line		Red Side Aids	30 - 35
Channel Station Lines		Green Side Aids	40 - 42
Channel Dimensions		Mooring Buoy	42 - 44
			44 - 46
			46 - 48
			48 - 50
			> 50

**NOTES:**

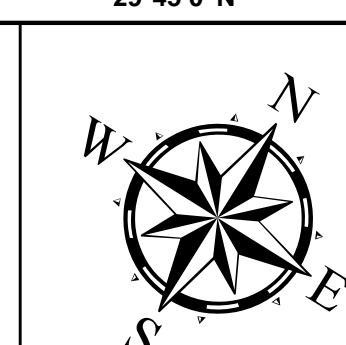
- HORIZONTAL COORDINATES ARE REFERENCED TO TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE NAD83 US SURVEY FEET.
- ELEVATIONS ARE REFERENCED TO MEAN LOWER LOW TIDE (MLLW) DATUM.
- THIS PROJECT WAS DESIGNED BY THE GALVESTON DISTRICT OF THE U.S. ARMY CORPS OF ENGINEERS. THE INITIALS AND SIGNATURES AND REGISTRATION DESIGNATIONS OF INDIVIDUALS APPEAR ON THESE PROJECT DOCUMENTS WITHIN THE SCOPE OF THEIR EMPLOYMENT AS REQUIRED BY ER1101-1-8152.

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

5. FOR THE MOST UP TO DATE INFORMATION PLEASE CHECK OUR WEBSITE AT [HTTP://WWW.SNG.USACE.ARMY.MIL/MISSESS/NAVIGATION/HYDROGRAPHICSURVEYS/](http://WWW.SNG.USACE.ARMY.MIL/MISSESS/NAVIGATION/HYDROGRAPHICSURVEYS/)

6. NOAA BATHYMETRY CONTOURS PRODUCED FROM HISTORIC BATHYMETRIC (HYDROGRAPHIC) SURVEYS CONDUCTED BY THE NOAA NATIONAL MARINE SURVEY COAST SURVEY AVAILABLE FROM THE COASTAL GEOPHYSICAL CENTER. SURVEY DATA ARE UNKNOWN INACCURACY, ACCURACY OF DEPTH, ACCURACY OF NAVIGATION, ZERO DATUM, DATE OF SURVEY AND TYPE OF INSTRUMENTATION. NOAA NAUTICAL CHARTS PROVIDED VIA RNC MAP SERVICE

Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community  
 Esri, Garmin, GEBCO, NOAA NGDC, and other contributors  
 Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



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

1

Miles

0

0.25

0.5

1

Miles

0

210

420

840

Feet

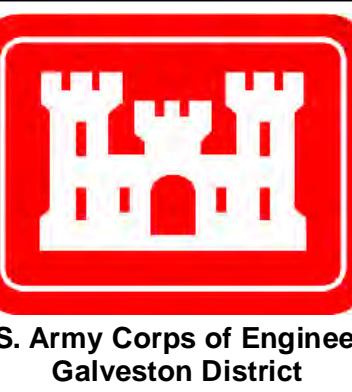
0

210

420

840

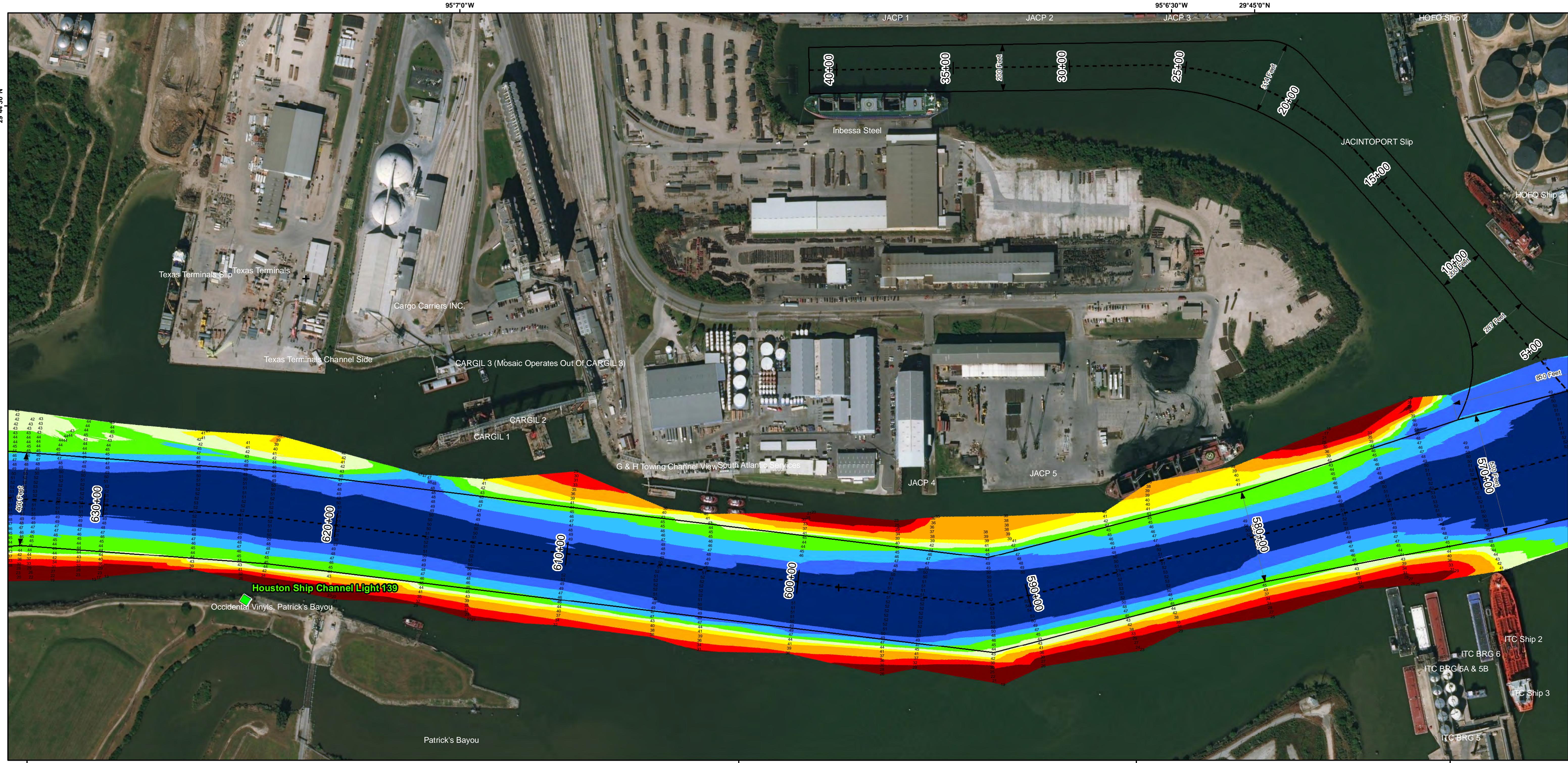
Feet



U.S. Army Corps of Engineers  
Galveston District



# Houston Ship Channel: Carpenters Bayou to Boggy Bayou



Channel Features	Aids to Navigation	MLLW
Channel Toe	Lights	0 - 30
Channel Center Line	Red Side Aids	30 - 35
Channel Station Lines	Green Side Aids	40 - 42
Channel Dimensions	Mooring Buoy	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:**

1. HORIZONTAL COORDINATES ARE REFERENCED TO TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE NAD83 US SURVEY FEET.
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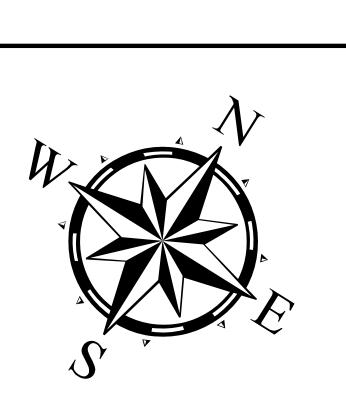
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6. NOAA BATHYMETRY CONTOURS PRODUCED FROM HISTORIC BATHYMETRIC (HYDROGRAPHIC) SURVEYS CONDUCTED BY THE NOAA COASTAL SURVEY AND CO-CONDUCTED SURVEY AVAILABLE FROM THE COASTAL GEOPHYSICAL CENTER. SURVEY DATA ARE UNKNOWN INACCURACY, ACCURACY OF DEPTH, ACCURACY OF NAVIGATION, ZERO DATUM, DATE OF SURVEY, AND TYPE OF INSTRUMENTATION. NOAA NAUTICAL CHARTS PROVIDED VIA RNC MAP SERVICE

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

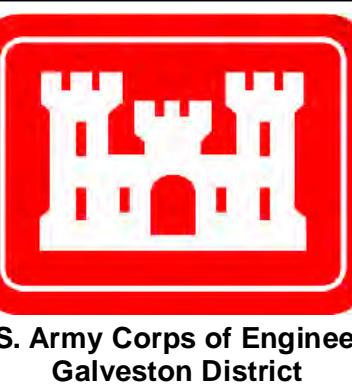
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



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

NOAA Nautical Chart Extent  
0 0.25 0.5 1 Miles

Hydrographic Survey Extent  
0 210 420 840 Feet

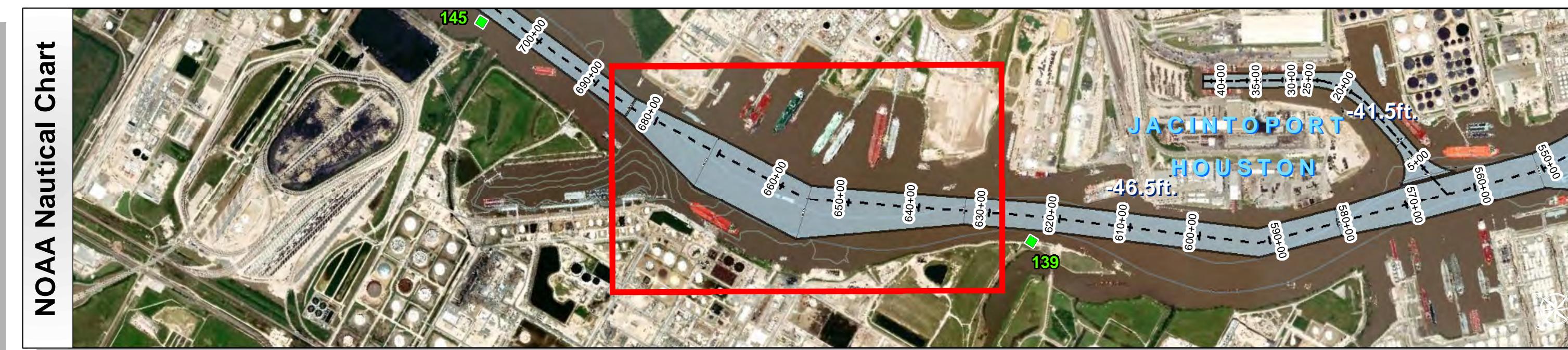
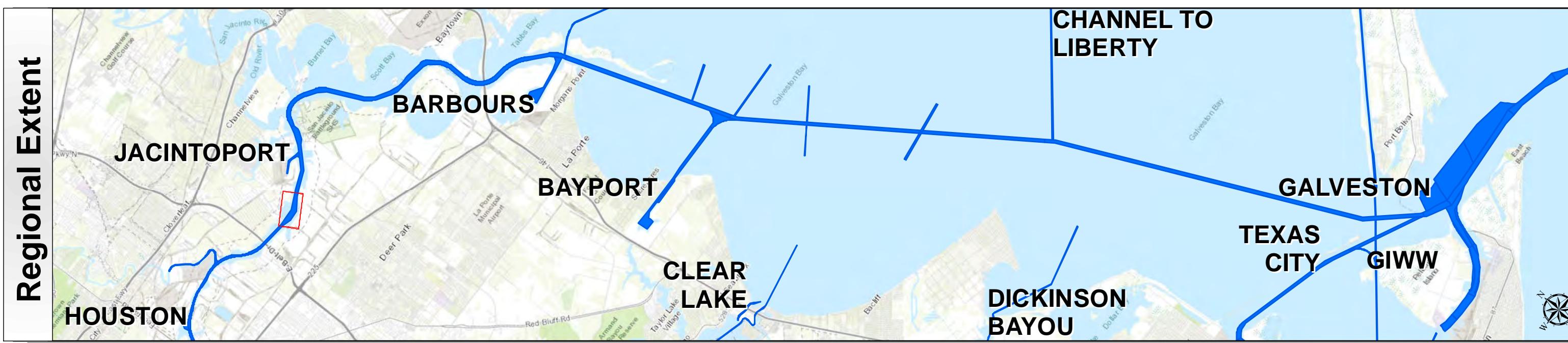


U.S. Army Corps of Engineers  
Galveston District



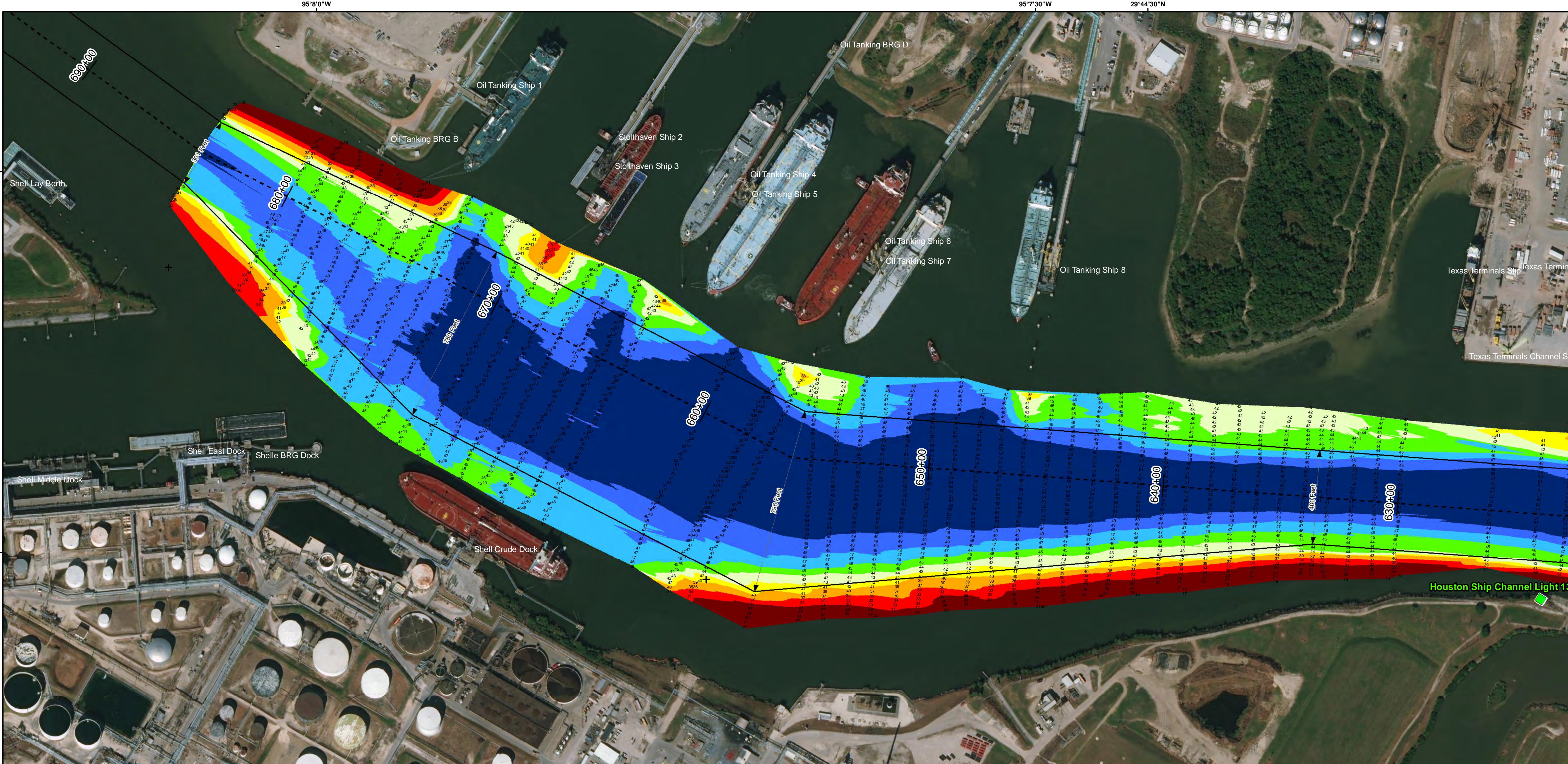
# Houston Ship Channel: Carpenters Bayou to Boggy Bayou

Regional Extent



Survey Date(s): 23 July 2018	Page: 37 of 61	Map:	Authorized Depth: -46.5ft.
			Side Slope Ratio: (Rise : Run)
			Additional Imagery: © DigitalGlobe Inc.
			Print Date: 7/25/2018

HYDROGRAPHIC SURVEY	
U.S. ARMY ENGINEER DISTRICT	CORPS OF ENGINEERS GALVESTON, TEXAS
Station: 520+00 to 684+03.19	HOUSTON, TEXAS
Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet	Projection: Lambert Conformal Conic /Datum: North American 1983



Channel Features	Aids to Navigation	MLLW
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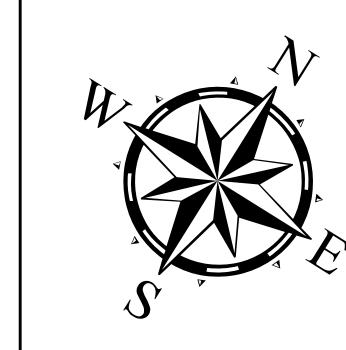
NOAA Bathymetry (DREDGING REACH EXTENT)

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

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Hydrographic Survey Extent	0 210 420 840 Feet