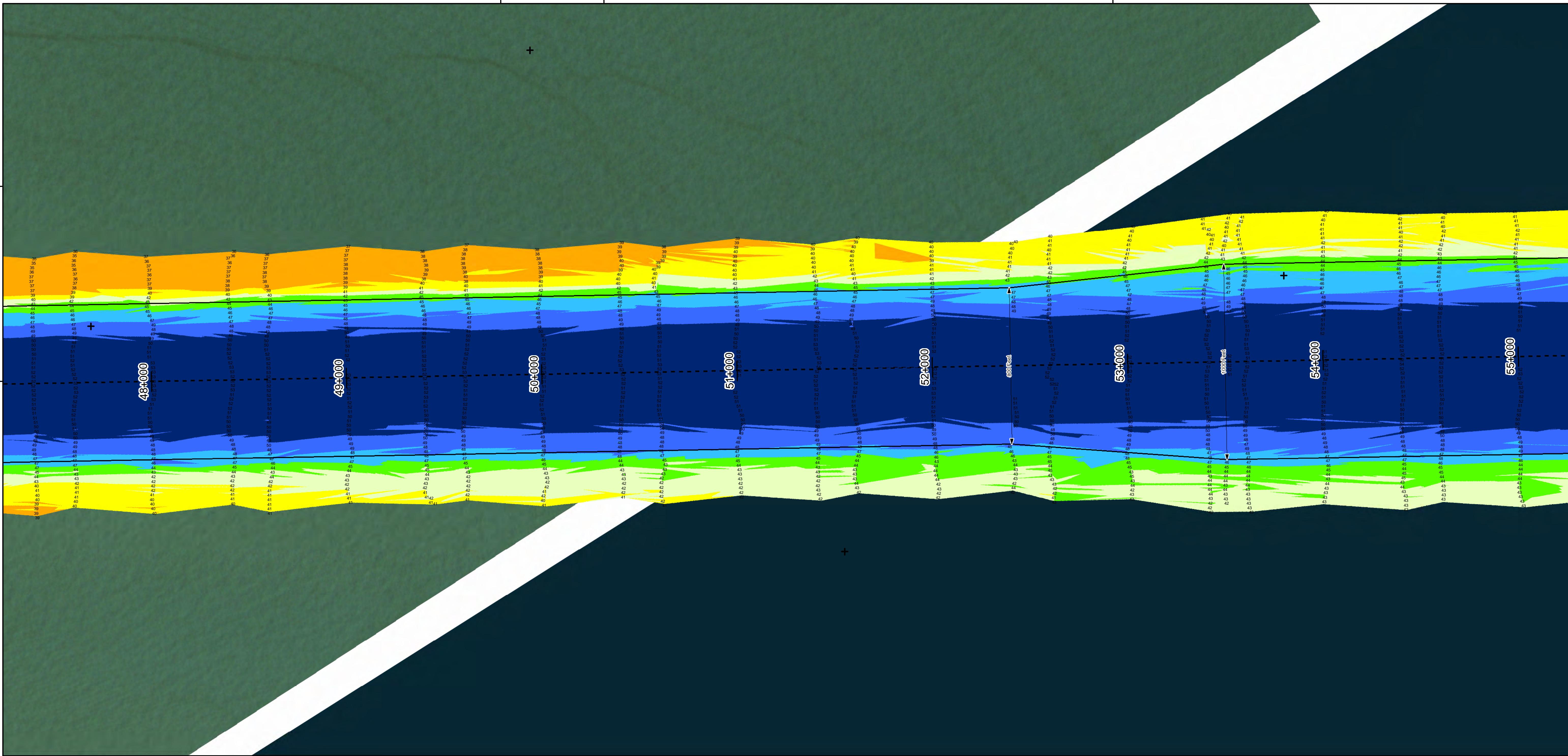
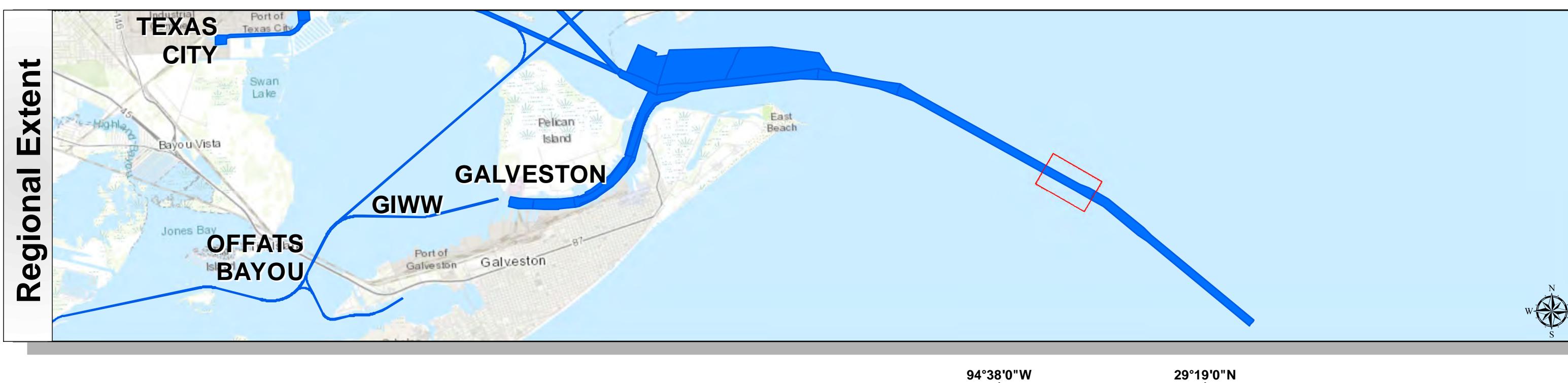


Galveston Entrance Channel: Entrance Channel



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:

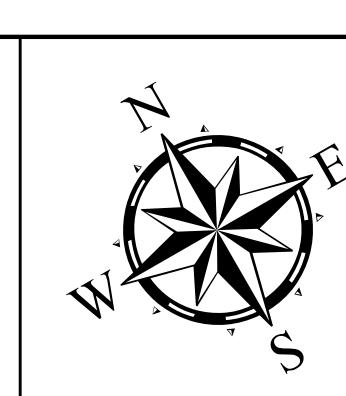
- HORIZONTAL COORDINATES ARE REFERENCED TO TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE NAD83 US SURVEY FEET.
- ELEVATIONS ARE REFERENCED TO MEAN LOWER LOW TIDE (MLLW) DATUM.
- THIS PROJECT WAS DESIGNED BY THE GALVESTON DISTRICT OF THE U.S. ARMY CORPS OF ENGINEERS. THE INITIALS AND SIGNATURES AND REGISTRATION DESIGNATIONS OF INDIVIDUALS APPEAR ON THESE PROJECT DOCUMENTS WITHIN THE SCOPE OF THEIR EMPLOYMENT AS REQUIRED BY ER110-1-8152.

4. THE INFORMATION DEPICTED ON THIS SURVEY MAP REPRESENTS THE RESULTS OF SURVEYS MADE AT THE DATES INDICATED AND CAN NOT 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

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

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

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



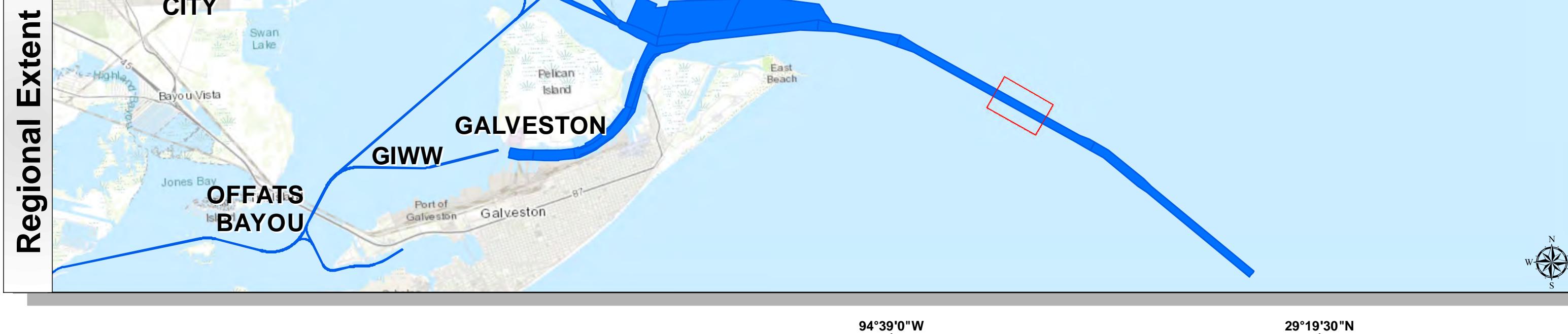
Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic /Datum: North American 1983
NOAA Nautical Chart Extent
0 0.325 0.65 1.3 Miles

Hydrographic Survey Extent
0 250 500 1,000 Feet

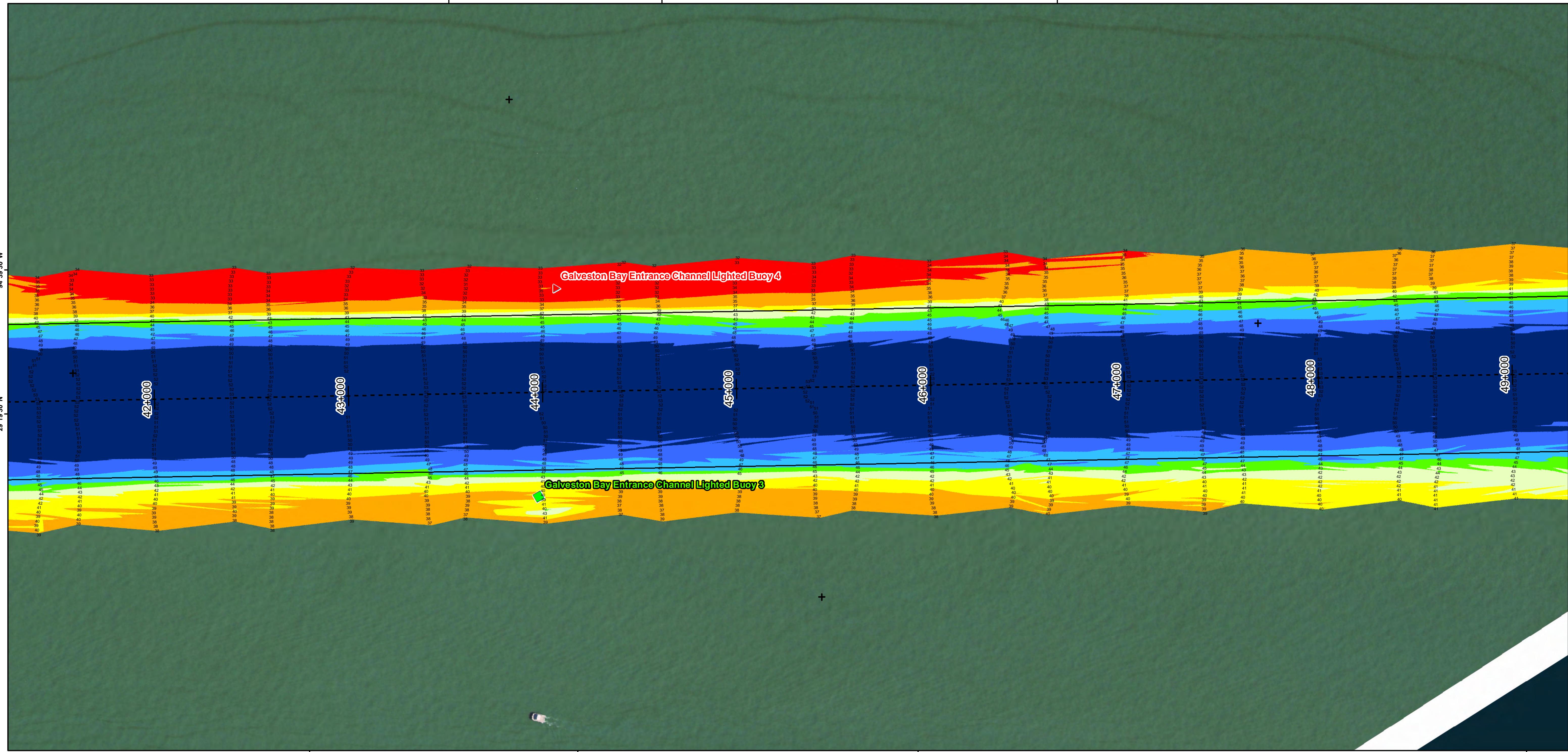
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS
Station: 55+840.58 to 30+515.474
GALVESTON, TEXAS

Survey Date(s): 15 January 2019
Page: 4 of 21 Map:
Scale: 1:3,000
Mapped by: M3AOXPAC
Additional Info:

Galveston Entrance Channel: Entrance Channel



Survey Date(s): 15 January 2019	Authorized Depth: -46ft.
Page: 5 of 21	Map:
Scale: 1:3,000	Additional Info: © DigitalGlobe Inc.
Mapped by: M3AOXPAC	Print Date: 1/16/2019
Additional Info:	

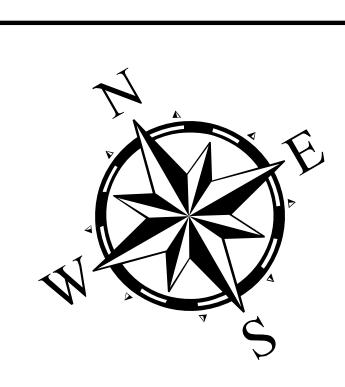


Channel Features	Aids to Navigation	MLLW
Channel Toe	Lights	0 - 30
Channel Center Line	Red Side Aids	30 - 35
Channel Station Lines	Green Side Aids	35 - 40
Channel Dimensions	Mooring Buoy	40 - 42 42 - 44 44 - 46 46 - 48 48 - 50 > 50
NOAA Bathymetry (DREDGING REACH EXTENT)		
0 - 10 10 - 15 15 - 20 20 -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

NOTES:
 1. HORIZONTAL COORDINATES ARE REFERENCED TO TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE NAD83 US SURVEY FEET.
 2. ELEVATIONS ARE REFERENCED TO MEAN LOWER LOW TIDE (MLLW) DATUM.
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4. THE INFORMATION DEPICTED ON THIS SURVEY MAP REPRESENTS THE RESULTS OF SURVEYS MADE BY CONTRACTORS, LOCATED AND CAN NOT BE CITED 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 HERE. REQUIRED BY 33 CFR 209.325
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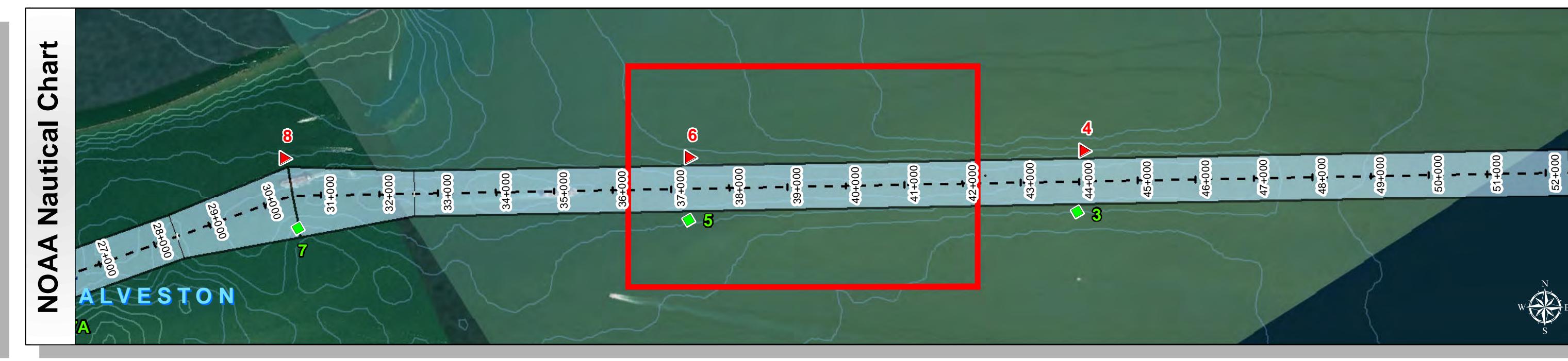
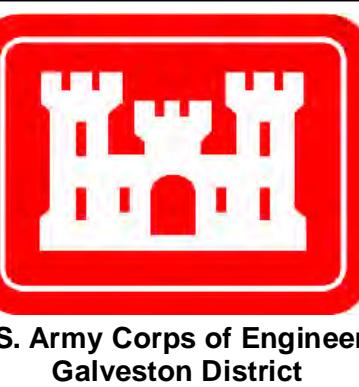
Service Layer Credits: Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community
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 Source: Esri, DigitalGlobe, GeoEye, Earthstar Graphics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



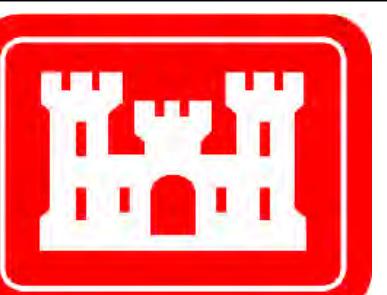
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NOAA Nautical Chart Extent	0 0.325 0.65 1.3 Miles
Hydrographic Survey Extent	0 250 500 1,000 Feet

HYDROGRAPHIC SURVEY
 U.S. ARMY ENGINEER DISTRICT
 CORPS OF ENGINEERS
 GALVESTON, TEXAS
 Station: 55+840.58 to 30+515.474
 GALVESTON, TEXAS

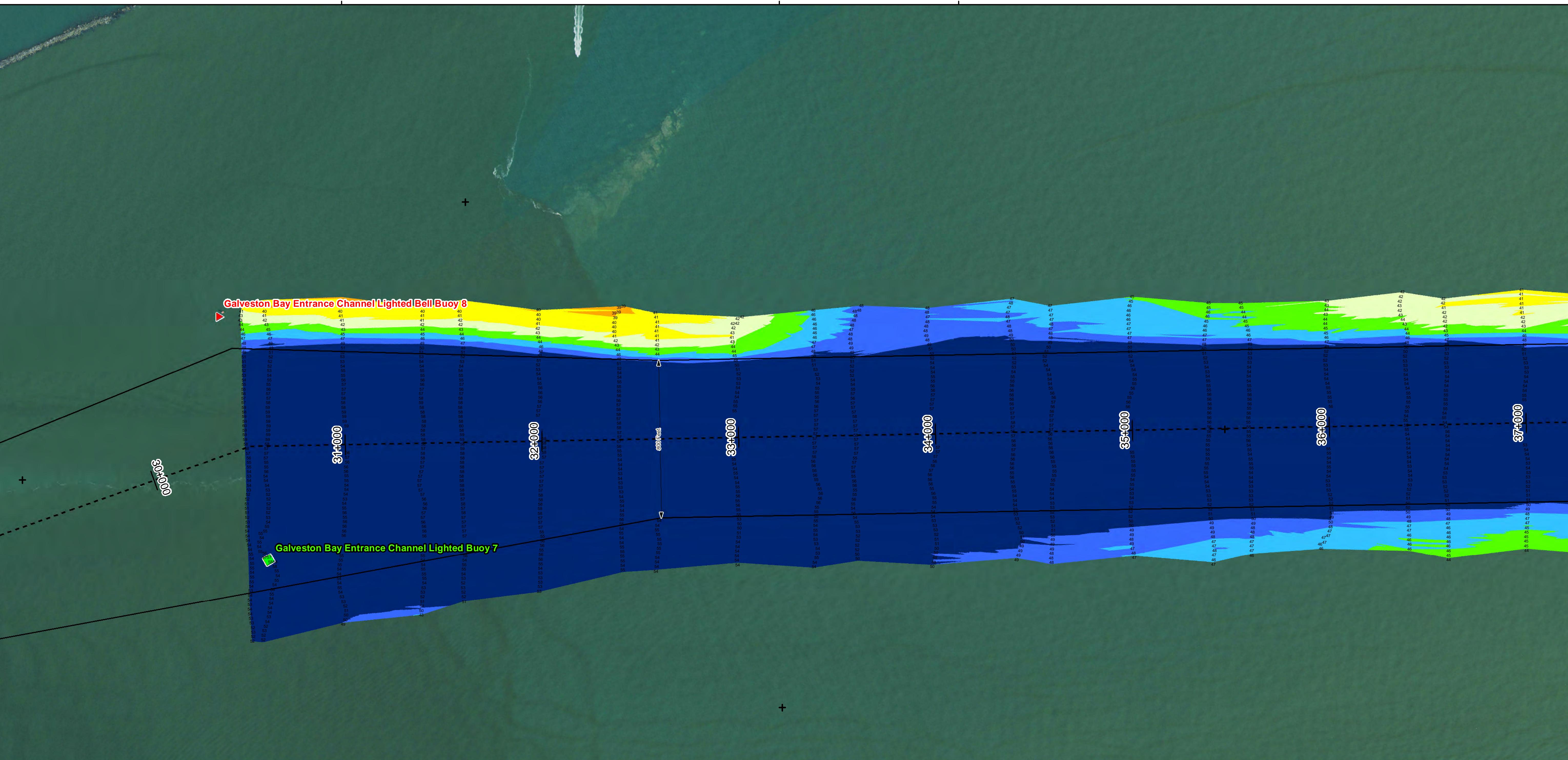
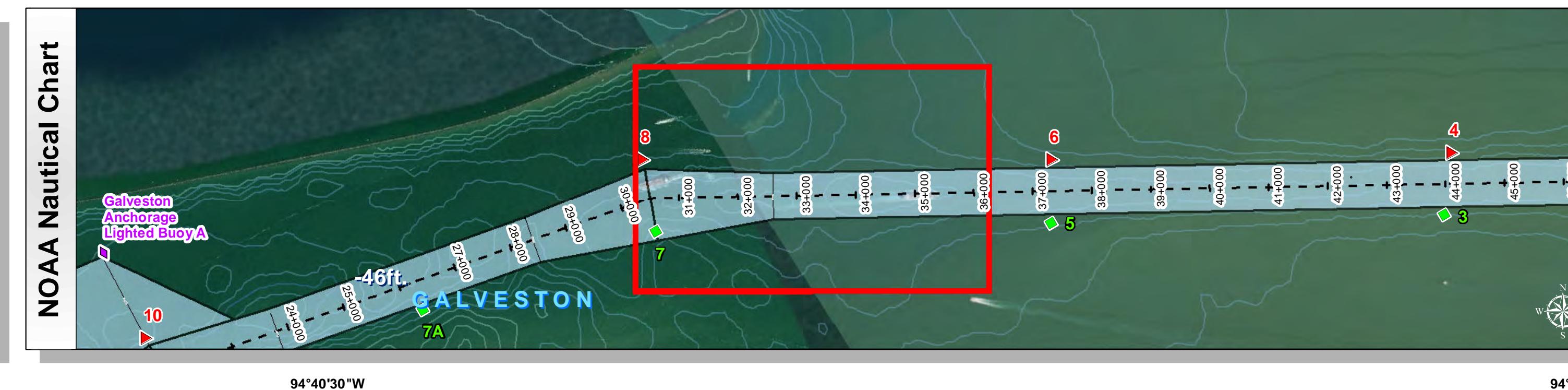
Galveston Entrance Channel: Entrance Channel



Galveston Entrance Channel: Entrance Channel



**U.S. Army Corps of Engineers
Galveston District**



94°41'30"W

MLLW	NOAA Bathymetry (DREDGING REACH EXTENT)
0 - 30	0 - 10
30 - 35	10 - 15
35 - 40	15 - 20
40 - 42	20 - 25
42 - 44	25 - 30
44 - 46	30 - 50
46 - 48	35 - 50
48 - 50	40 - 50
> 50	45 - 50

NOTES:

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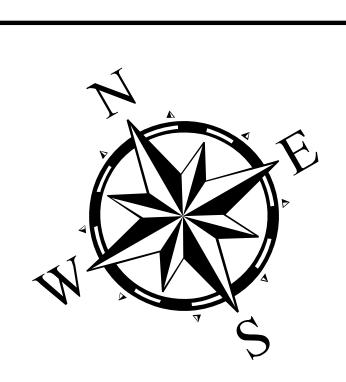
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Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic /Datum: North American 1983

A horizontal scale bar consisting of a thick black line with numerical markings at 0, 0.325, 0.65, and 1.3. Below the bar, the word "Miles" is written.

MNCs

A horizontal scale bar with numerical markings at 0, 250, 500, and 1,000 feet. The bar is black with white numerical labels. A thick black segment spans from the 0 mark to the 500 mark, representing the measured distance.

HYDROGRAPHIC SURVEY

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

Station: 55+840.58 to 30+515.474

GALVESTON

GALVESTON, TEXAS