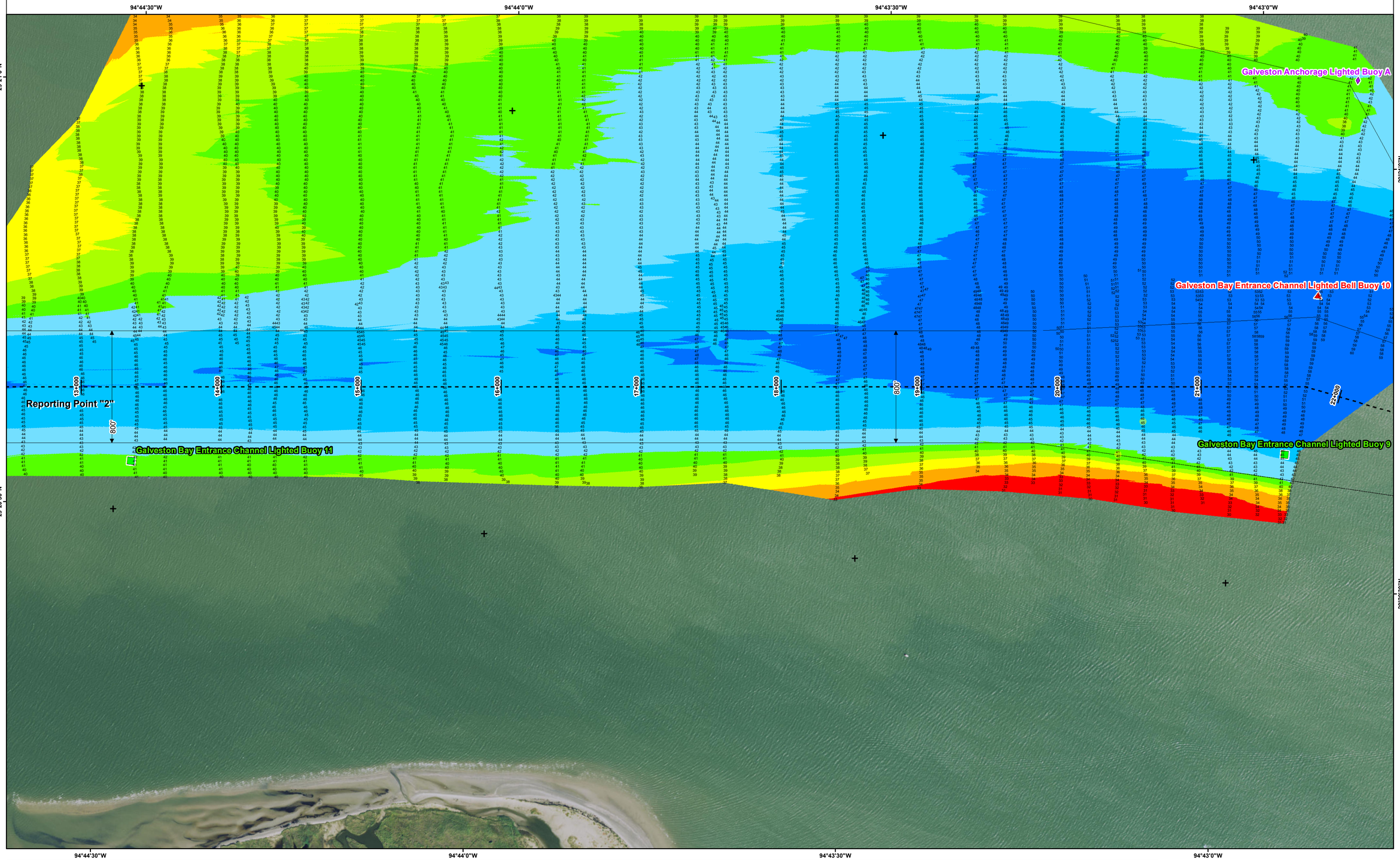
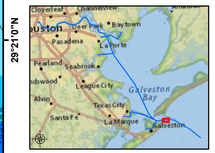
Inner Bar Channel



US Army Corps of Engineers ®
Galveston District



Authorized Depth: -45ft.
Side Slope Ratio: 1:5.0 (Rise : Run)

Survey Date(s): 29 July 2015
Page 8 of 487 Map: 8
Scale: 1:3,670

Mapped by: m3odnrvk
Imagery Date: October 27, 2013 © DigitalGlobe Inc.

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

Inner Bar Channel

Station: 21+752.82 to 4+490.12
Galveston Channel
GALVESTON, TEXAS

Channel_Footprint
Dimensions
Navigation Centerline

Aids to Navigation
Lights
Red Side Aids
Green Side Aids
Mooring Buoy

30 and Shallower | 30 - 34 | 34 - 36 | 36 - 38 | 38 - 40 | 40 - 42 | 42 - 45 | 45 - 47 | 47 and Deeper

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 LOW TIDE (MLT) DATUM.
3. 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.
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
5. FOR THE MOST UP TO DATE INFORMATION PLEASE CHECK OUR WEBSITE AT: WWW.SWG.USACE.ARMY.MIL

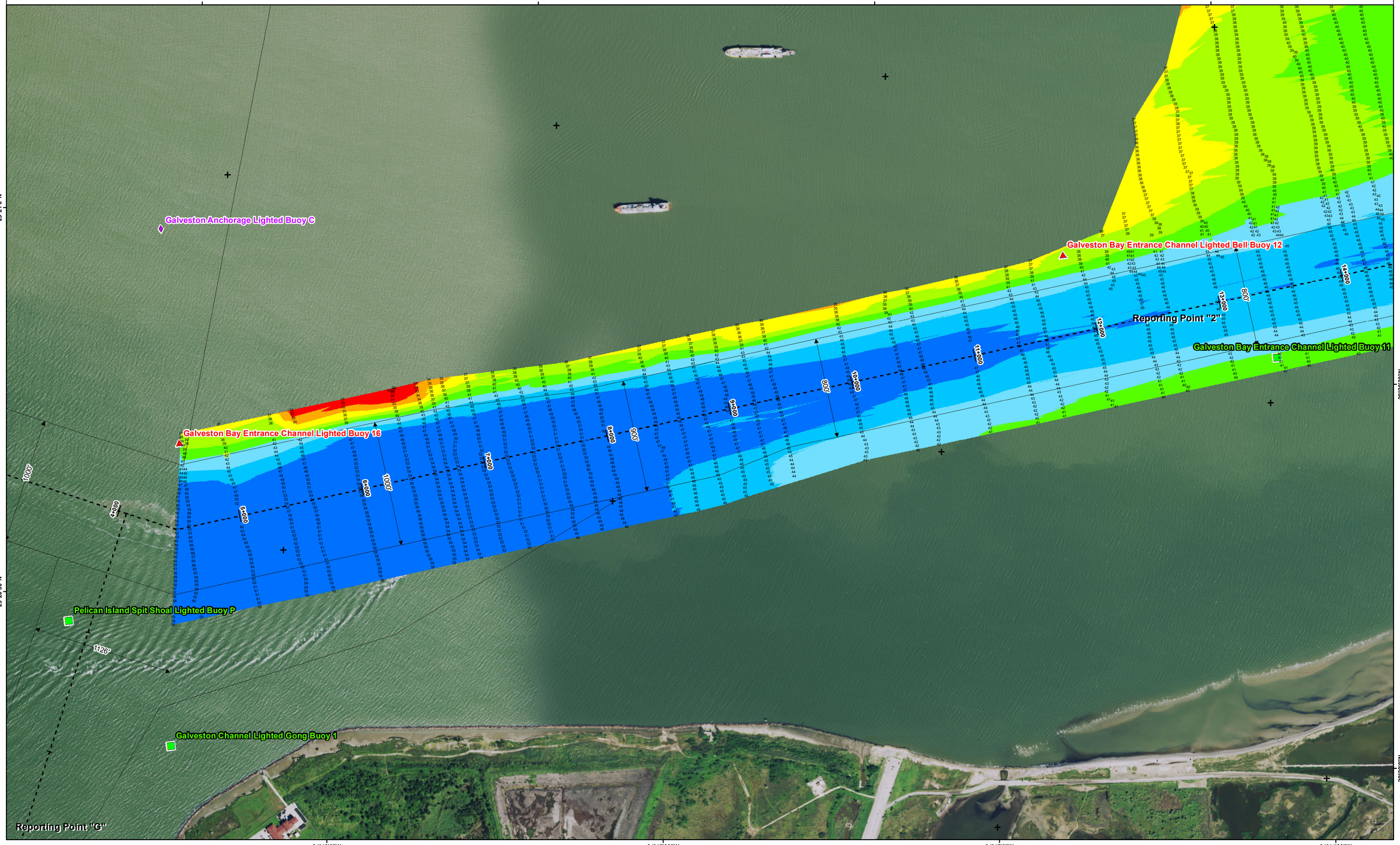
N W E S

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
False Easting: 1,968,500.0000
False Northing: 13,123,333.3333
Central Meridian: -99.0000
Standard Parallel 1: 28.3833
Standard Parallel 2: 30.2833
Latitude Of Origin: 27.8333
Units: Foot US

Service Layer Credits: Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User

0 225 450 900 1,350 Feet

Inner Bar Channel



US Army Corps of Engineers ®
Galveston District

Survey Date(s): 29 July 2015
Page 9 of 487 Map: 9
Scale: 1:4,100

Authorized Depth: -45ft.
Side Slope Ratio: 1:5.0 (Rise : Run)

Mapped by: m3odnrvk
Imagery Date: October 27, 2013 © DigitalGlobe Inc.

Channel_Footprint
Dimensions
Navigation Centerline

Aids to Navigation

- Lights
- Red Side Aids
- Green Side Aids
- Mooring Buoy

30 and Shallower | 30 - 34 | 34 - 36 | 36 - 38 | 38 - 40 | 40 - 42 | 42 - 45 | 45 - 47 | 47 and Deeper

NOTES:

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N W E S

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
False Easting: 1,968,500.0000
False Northing: 13,123,333.3333
Central Meridian: -99.0000
Standard Parallel 1: 28.3833
Standard Parallel 2: 30.2833
Latitude Of Origin: 27.8333
Units: Foot US

Service Layer Credits: Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User

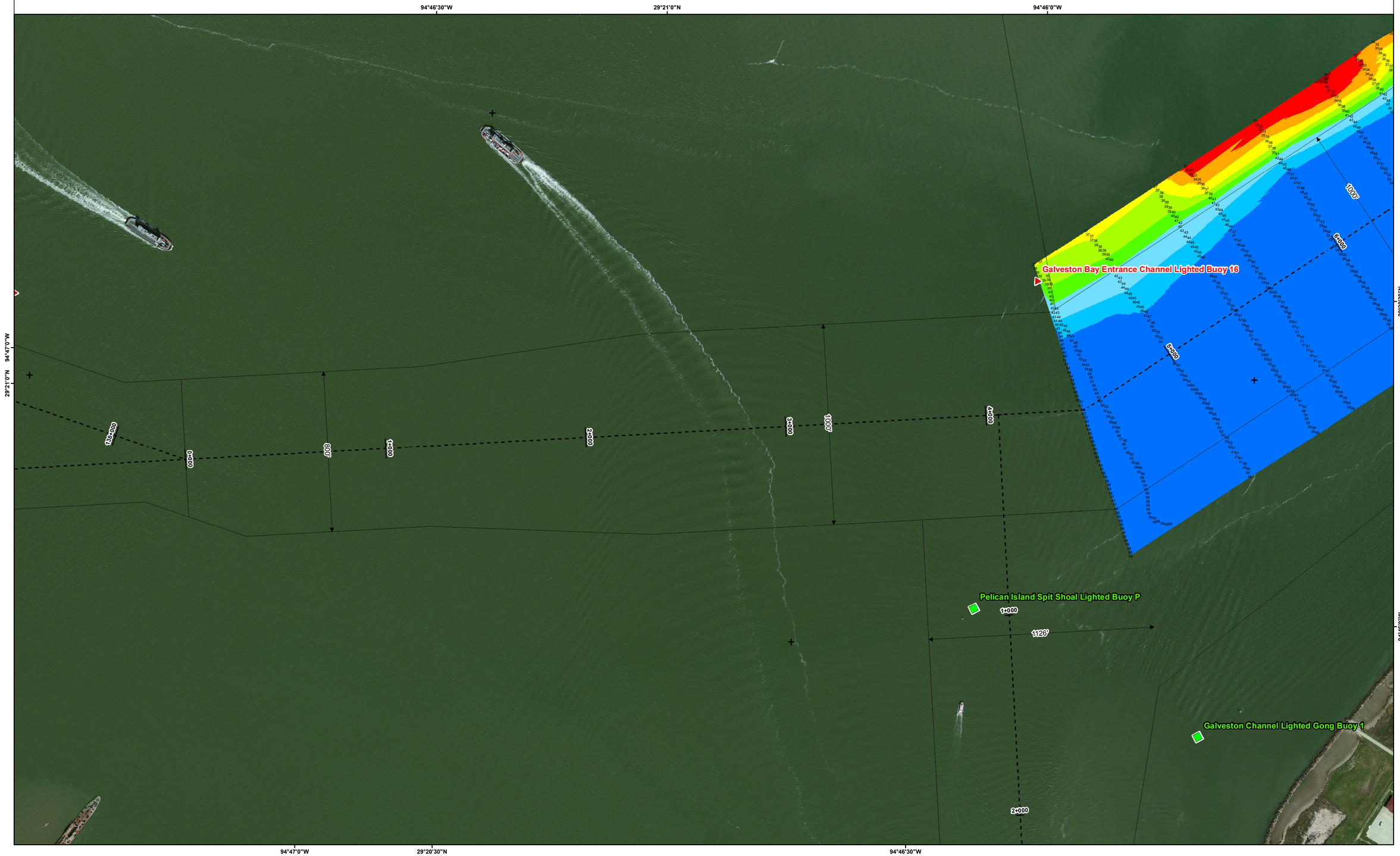
0 250 500 1,000 1,500 Feet

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

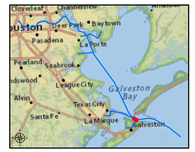
Inner Bar Channel

Station: 21+752.82 to 4+490.12
Galveston Channel
GALVESTON, TEXAS

Bolivar Roads Channel



US Army Corps of Engineers ®
Galveston District



Authorized Depth: -45ft.
Side Slope Ratio: 1:5.0 (Rise : Run)

Survey Date(s): 29 July 2015
Page 10 of 487 Map: 10
Scale: 1:2,550

Mapped by: m3odnrvk
Imagery Date: October 27, 2013 © DigitalGlobe Inc.

Channel_Footprint
Dimensions
Navigation Centerline

Aids to Navigation
- Lights
- Red Side Aids
- Green Side Aids
- Mooring Buoy

30 and Shallower | 30 - 34 | 34 - 36 | 36 - 38 | 38 - 40 | 40 - 42 | 42 - 45 | 45 - 47 | 47 and Deeper

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 LOW TIDE (MLT) DATUM.

3. 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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5. FOR THE MOST UP TO DATE INFORMATION PLEASE CHECK OUR WEBSITE AT: WWW.SWG.USACE.ARMY.MIL

N E S W

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
False Easting: 1,968,500.0000
False Northing: 13,123,333.3333
Central Meridian: -99.0000
Standard Parallel 1: 28.3833
Standard Parallel 2: 30.2833
Latitude Of Origin: 27.8333
Units: Foot US

Service Layer Credits: Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User

0 155 310 620 930 Feet

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

Bolivar Roads Channel

Station: 4+490.121 to 0+000
Galveston Channel

GALVESTON, TEXAS

Bolivar Roads to Exxon Oil Dock

Channel_Footprint
Dimensions
Navigation Centerline

Aids to Navigation

- Lights
- Red Side Aids
- Green Side Aids
- Mooring Buoy

30 and Shallower | 30 - 34 | 34 - 36 | 36 - 38 | 38 - 40 | 40 - 42 | 42 - 45 | 45 - 47 | 47 and Deeper

NOTES:

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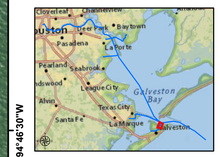
Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
False Easting: 1,968,500.0000
False Northing: 13,123,333.3333
Central Meridian: -99.0000
Standard Parallel 1: 28.3833
Standard Parallel 2: 30.2833
Latitude Of Origin: 27.8333
Units: Foot US

Service Layer Credits: Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User

0 215 430 860 1,290 Feet

US Army Corps of Engineers ®
Galveston District



Authorized Depth: -40ft. to -45ft.
Side Slope Ratio: 1:2.0 (Rise : Run)

Survey Date(s): 29 July 2015
Page 11 of 487 Map: 11
Scale: 1:3,550

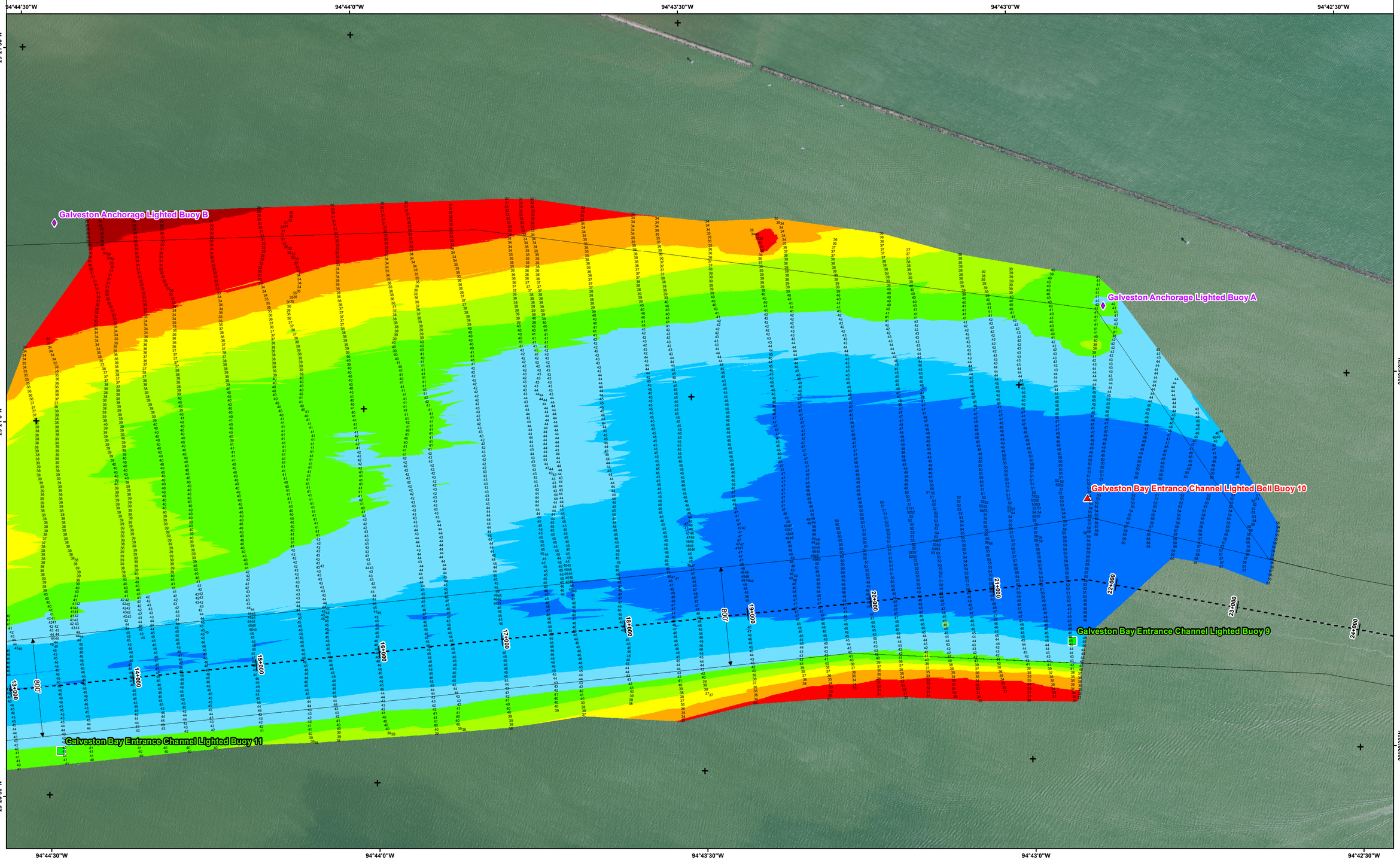
Mapped by: m3odnrvk
Imagery Date: October 27, 2013 © DigitalGlobe Inc.

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

Bolivar Roads to Exxon Oil Dock

Station: 0+000 to 7+879.53
Galveston Harbor
GALVESTON, TEXAS

Anchorage Basin A



US Army Corps of Engineers ®
Galveston District

Authorized Depth: -36ft.
Side Slope Ratio: 1:2.5 (Rise : Run)

Survey Date(s): 29 July 2015
Page 14 of 487
Map: 14
Scale: 1:4,160
Mapped by: m3odnrvk
Imagery Date: October 27, 2013 © DigitalGlobe Inc.

Channel_Footprint
Dimensions
Navigation Centerline

Aids to Navigation

- Lights
- Red Side Aids
- Green Side Aids
- Mooring Buoy

30 and Shallower | 30 - 34 | 34 - 36 | 36 - 38 | 38 - 40 | 40 - 42 | 42 - 45 | 45 - 47 | 47 and Deeper

NOTES:

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N
W E
S

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
False Easting: 1,968,500.0000
False Northing: 13,123,333.3333
Central Meridian: -99.0000
Standard Parallel 1: 28.3833
Standard Parallel 2: 30.2833
Latitude Of Origin: 27.8333
Units: Foot US

Service Layer Credits: Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User

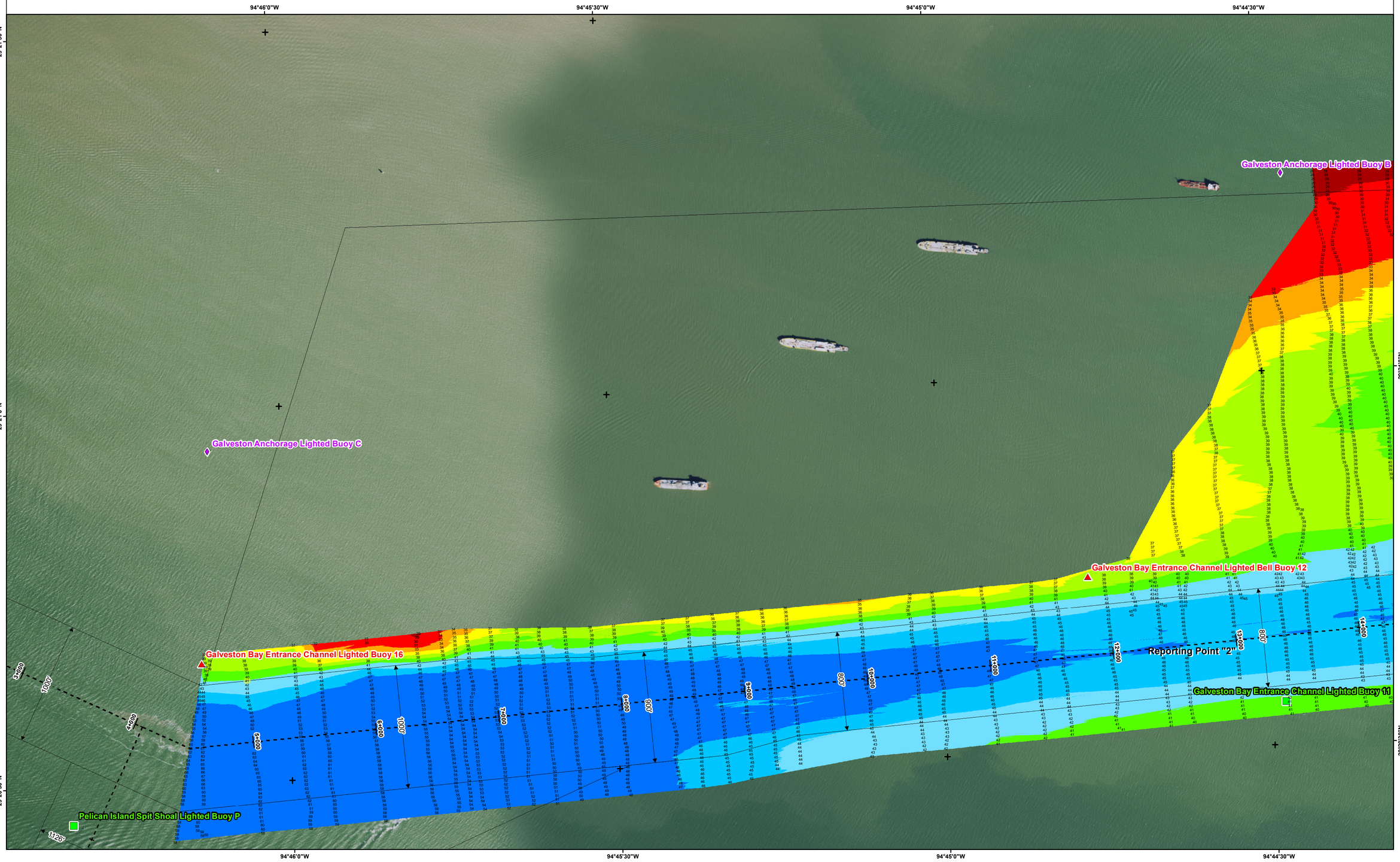
0 255 510 1,020 1,530 Feet

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

Anchorage Basin A

Station: 23+200 to 12+200
Galveston Channel
GALVESTON, TEXAS

Anchorage Basin B



US Army Corps of Engineers ®
Galveston District

Authorized Depth: -36ft.
Side Slope Ratio: 1:2.5 (Rise : Run)

Survey Date(s): 29 July 2015
Page 15 of 487 Map: 15
Scale: 1:4,160

Mapped by: m3odnrvk
Imagery Date: October 27, 2013 © DigitalGlobe Inc.

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

Anchorage Basin B

Station: 14+118.08 to 4+490.12
Galveston Channel
GALVESTON, TEXAS

Channel_Footprint
Dimensions
Navigation Centerline

Aids to Navigation
Lights
Red Side Aids
Green Side Aids
Mooring Buoy

30 and Shallower | 30 - 34 | 34 - 36 | 36 - 38 | 38 - 40 | 40 - 42 | 42 - 45 | 45 - 47 | 47 and Deeper

NOTES:

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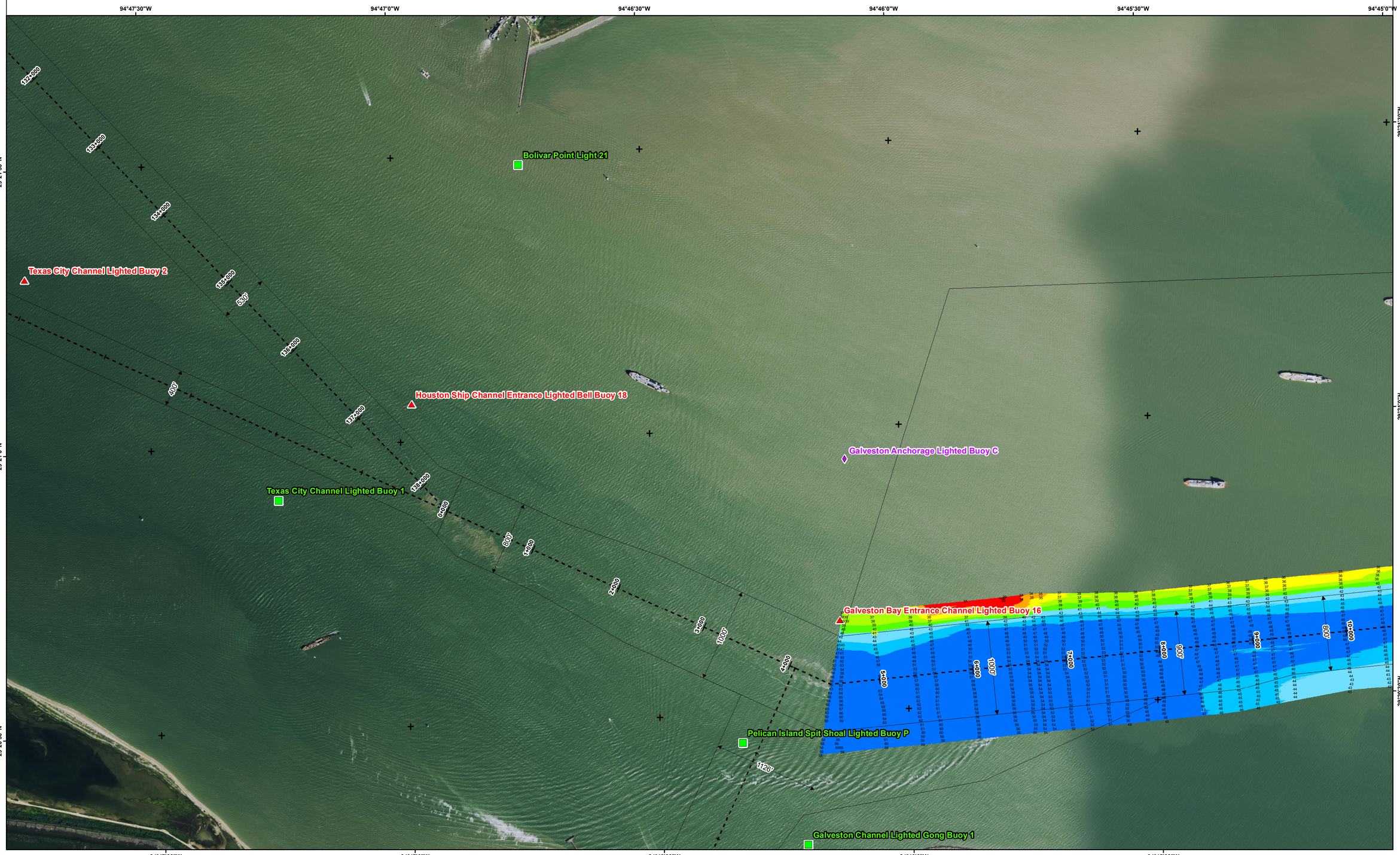
N
W E
S

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
False Easting: 1,968,500.0000
False Northing: 13,123,333.3333
Central Meridian: -99.0000
Standard Parallel 1: 28.3833
Standard Parallel 2: 30.2833
Latitude Of Origin: 27.8333
Units: Foot US

Service Layer Credits: Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User

0 255 510 1,020 1,530 Feet

Anchorage Basin "C"



Channel_Footprint
Dimensions
Navigation Centerline

Aids to Navigation

- Lights
- Red Side Aids
- Green Side Aids
- Mooring Buoy

30 and Shallower | 30 - 34 | 34 - 36 | 36 - 38 | 38 - 40 | 40 - 42 | 42 - 45 | 45 - 47 | 47 and Deeper

NOTES:

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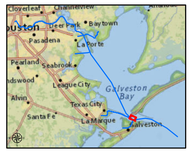
N W E S

Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
False Easting: 1,968,500.0000
False Northing: 13,123,333.3333
Central Meridian: -99.0000
Standard Parallel 1: 28.3833
Standard Parallel 2: 30.2833
Latitude Of Origin: 27.8333
Units: Foot US

Service Layer Credits: Sources: Esri, HERE, DeLorme, TomTom, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User

0 335 670 1,340 2,010 Feet

US Army Corps of Engineers ®
Galveston District



Authorized Depth: -36ft.
Side Slope Ratio: (Rise : Run)

Survey Date(s): 29 July 2015
Page 76 of 487 Map: 493
Scale: 1:5,470

Mapped by: m3odnrvk
Imagery Date: October 27, 2013 © DigitalGlobe Inc.

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

Anchorage Basin "C"
Station: 4+490.12 to 0+000
Galveston Entrance Channel
GALVESTON, TEXAS