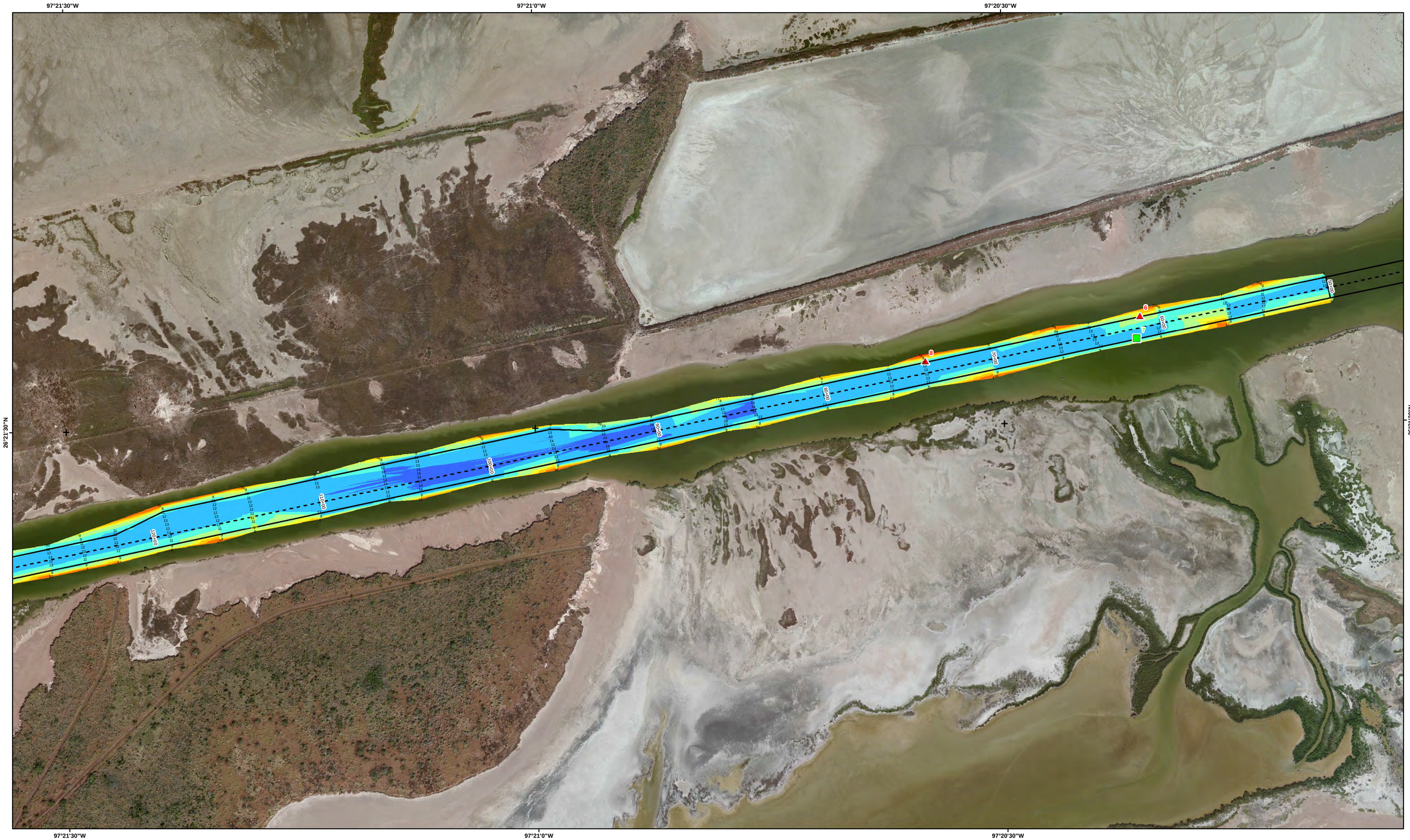
Mile 0 to Mile 8



US Army Corps of Engineers ®
Galveston District

Survey Date(s): 05 January 2016
Page: 3 of 22 Map: 3
Scale: 1:3,000

Authorized Depth: -12ft.
Side Slope Ratio: 1:02 (Rise : Run)

Mapped by: m3odnmfp
Imagery Date: October 27, 2013 © DigitalGlobe Inc.

Station Line
Channel Center Line
Mileage
Navigation Channel South
Dimensions

Aids to Navigation

Lights
Red Side Aids
Green Side Aids
Mooring Buoy

Depth in Feet

4 and Shallower | 4 - 6 | 6 - 7 | 7 - 8 | 8 - 10 | 10 - 12 | 12 - 14 | 14 - 15 | 15 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 FIPS 4205 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
False Easting: 984,250.0000
False Northing: 16,404,166.6667
Central Meridian: -98.5000
Standard Parallel 1: 26.1667
Standard Parallel 2: 27.8333
Latitude Of Origin: 25.6667
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

0 180 360 720 1,080 Feet

HYDROGRAPHIC SURVEY

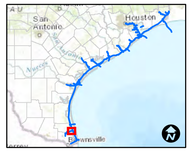
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Mile 0 to Mile 8

Station: 50+00 to 420+00
Channel to Harlingen
HARLINGEN, TEXAS

Mile 0 to Mile 8

US Army Corps of Engineers ®
Galveston District



Survey Date(s): 05 January 2016
Page: 4 of 22 Map: 4
Scale: 1:3,000

Authorized Depth: -12ft.
Side Slope Ratio: 1:02 (Rise : Run)

Mapped by: m3odnmfp
Imagery Date: October 27, 2013 © DigitalGlobe Inc.

Station Line
Channel Center Line
Mileage
Navigation Channel South
Dimensions

Aids to Navigation

Lights
Red Side Aids
Green Side Aids
Mooring Buoy

Depth in Feet

4 and Shallower
4 - 6
6 - 7
7 - 8
8 - 10
10 - 12
12 - 14
14 - 15
15 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 FIPS 4205 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
False Easting: 984,250.0000
False Northing: 16,404,166.6667
Central Meridian: -98.5000
Standard Parallel 1: 26.1667
Standard Parallel 2: 27.8333
Latitude Of Origin: 25.6667
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

0 180 360 720 1,080 Feet

HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS
Mile 0 to Mile 8

Station: 50+00 to 420+00
Channel to Harlingen
HARLINGEN, TEXAS

Mile 0 to Mile 8

Station Line
Channel Center Line
Mileage
Navigation Channel South
Dimensions

Aids to Navigation

Lights
Red Side Aids
Green Side Aids
Mooring Buoy

Depth in Feet

4 and Shallower | 4 - 6 | 6 - 7 | 7 - 8 | 8 - 10 | 10 - 12 | 12 - 14 | 14 - 15 | 15 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

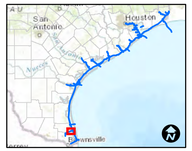
N
W E
S

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
False Easting: 984,250.0000
False Northing: 16,404,166.6667
Central Meridian: -98.5000
Standard Parallel 1: 26.1667
Standard Parallel 2: 27.8333
Latitude Of Origin: 25.6667
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

0 180 360 720 1,080 Feet

US Army Corps of Engineers ®
Galveston District



Authorized Depth: -12ft.
Side Slope Ratio: 1:02 (Rise : Run)

Survey Date(s): 05 January 2016
Page: 5 of 22 Map: 5
Scale: 1:3,000

Mapped by: m3odnmfp
Imagery Date: October 27, 2013 © DigitalGlobe Inc.

HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS
Mile 0 to Mile 8

Station: 50+00 to 420+00
Channel to Harlingen
HARLINGEN, TEXAS

Mile 0 to Mile 8

Station Line
Channel Center Line
Mileage
Navigation Channel South
Dimensions

Aids to Navigation

Lights
Red Side Aids
Green Side Aids
Mooring Buoy

Depth in Feet

4 and Shallower
4 - 6
6 - 7
7 - 8
8 - 10
10 - 12
12 - 14
14 - 15
15 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 FIPS 4205 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
False Easting: 984,250.0000
False Northing: 16,404,166.6667
Central Meridian: -98.5000
Standard Parallel 1: 26.1667
Standard Parallel 2: 27.8333
Latitude Of Origin: 25.6667
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

0 180 360 720 1,080 Feet

US Army Corps of Engineers ®
Galveston District

Survey Date(s): 05 January 2016
Page: 6 of 22 Map: 6
Scale: 1:3,000

Authorized Depth: -12ft.
Side Slope Ratio: 1:02 (Rise : Run)

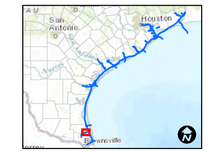
Mapped by: m3odnmfp
Imagery Date: October 27, 2013 © DigitalGlobe Inc.

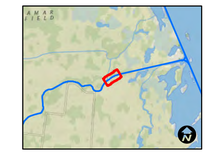
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS
Mile 0 to Mile 8

Station: 50+00 to 420+00
Channel to Harlingen
HARLINGEN, TEXAS

Mile 0 to Mile 8

US Army Corps of Engineers ®
Galveston District





Survey Date(s): 05 January 2016
Page: 7 of 22 Map: 7
Scale: 1:3,000

Authorized Depth: -12ft.
Side Slope Ratio: 1:02 (Rise : Run)

Mapped by: m3odnmfp
Imagery Date: October 27, 2013 © DigitalGlobe Inc.

Station Line
Channel Center Line
Mileage
Navigation Channel South
Dimensions

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

Depth in Feet
4 and Shallower
4 - 6
6 - 7
7 - 8
8 - 10
10 - 12
12 - 14
14 - 15
15 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 FIPS 4205 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
False Easting: 984,250.0000
False Northing: 16,404,166.6667
Central Meridian: -98.5000
Standard Parallel 1: 26.1667
Standard Parallel 2: 27.8333
Latitude Of Origin: 25.6667
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

0 180 360 720 1,080 Feet

HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS
Mile 0 to Mile 8

Station: 50+00 to 420+00
Channel to Harlingen
HARLINGEN, TEXAS

Mile 0 to Mile 8

US Army Corps of Engineers ®
Galveston District

Authorized Depth: -12ft.
Side Slope Ratio: 1:02 (Rise : Run)

Survey Date(s): 05 January 2016
Page: 8 of 22 Map: 8
Scale: 1:3,000

Mapped by: m3odnmfp
Imagery Date: October 27, 2013 © DigitalGlobe Inc.

Station Line
Channel Center Line
Mileage
Navigation Channel South
Dimensions

Aids to Navigation

Lights
Red Side Aids
Green Side Aids
Mooring Buoy

Depth in Feet

4 and Shallower | 4 - 6 | 6 - 7 | 7 - 8 | 8 - 10 | 10 - 12 | 12 - 14 | 14 - 15 | 15 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 FIPS 4205 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
False Easting: 984,250.0000
False Northing: 16,404,166.6667
Central Meridian: -98.5000
Standard Parallel 1: 26.1667
Standard Parallel 2: 27.8333
Latitude Of Origin: 25.6667
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

0 180 360 720 1,080 Feet

HYDROGRAPHIC SURVEY

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

Mile 0 to Mile 8

Station: 50+00 to 420+00
Channel to Harlingen

HARLINGEN, TEXAS