

US Army Corps of Engineers  
Galveston District

TEXAS

Mouth to Smith Bluff Cut-Off

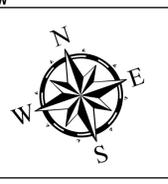
Survey Date(s): 20150427	Authorized Depth: -40 ft.
Page 44 of 66	Side Slope Ratio: (Rise : Run)
Map: 44	
Scale: 1:4,510	
Mapped by: m3odmrvk	
Imagery Date: October 27, 2013 © DigitalGlobe Inc.	

**Aids to Navigation**

- ★ Lights
- ▲ Red Side Aids
- Green Side Aids
- ◆ Mooring Buoy
- Shoalest Sounding
- ↔ Dimensions
- Station Line
- - - Navigation Centerline
- Navigation Channel

**NOTES:**

- HORIZONTAL COORDINATES ARE REFERENCED TO TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE NAD83 US SURVEY FEET.
- ELEVATIONS ARE REFERENCED TO MEAN LOW TIDE (MLT) 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 ER1110-1-8152.
- 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
- FOR THE MOST UP TO DATE INFORMATION PLEASE CHECK OUR WEBSITE AT: WWW.SWG.USACE.ARMY.MIL



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: 27.6333  
 Units: Foot US

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 Content may not reflect National Geographic's current map policy. Sources:

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

Mouth to Smith Bluff Cut-Off

Station: 0+00 to 505+00  
 NECHES RIVER  
 TEXAS

# Mouth to Smith Bluff Cut-Off

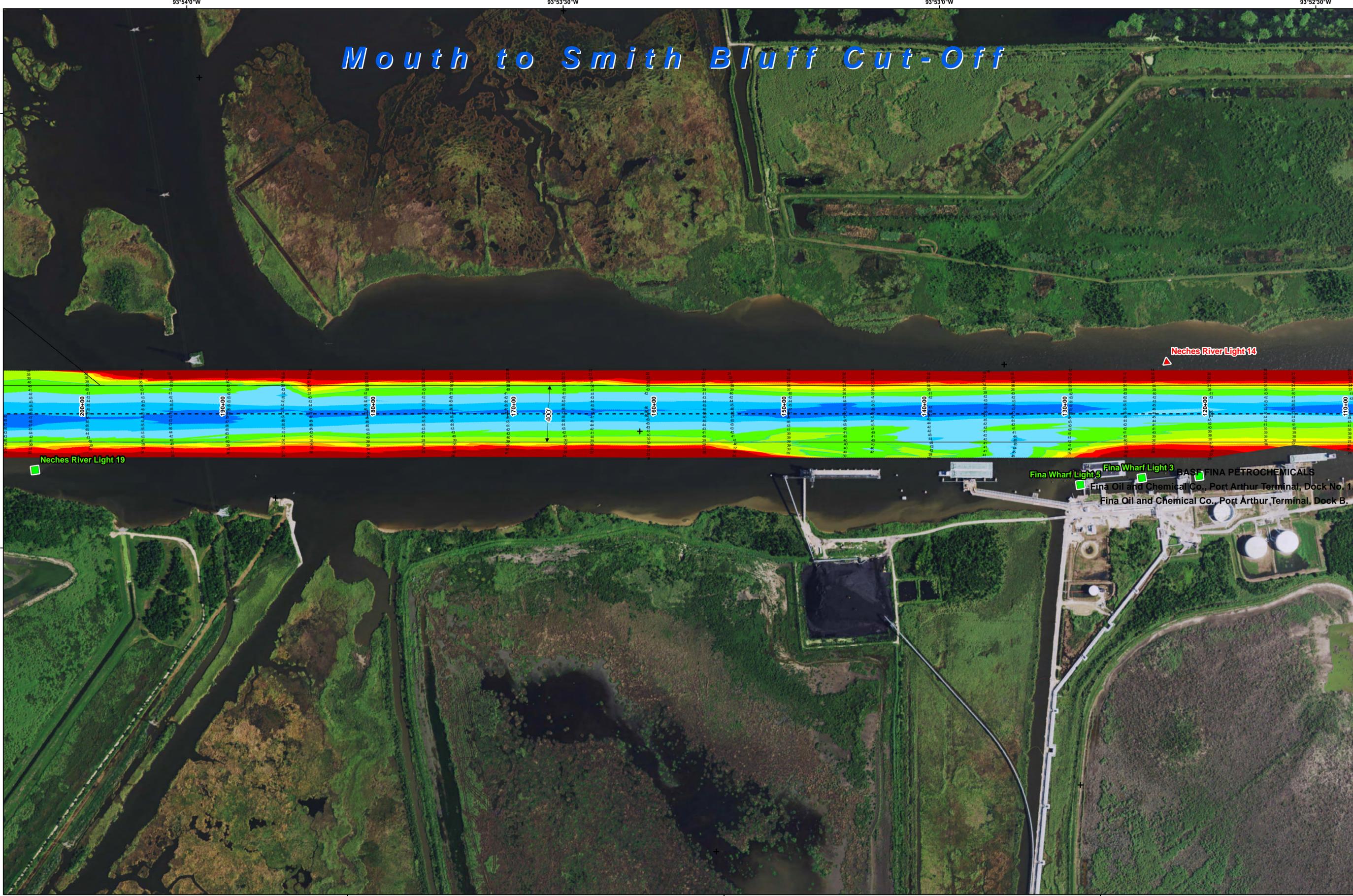


Survey Date(s): 20150427	Authorized Depth: -40 ft.
Page 45 of 66	Side Slope Ratio: (Rise :Run)
Map: 45	
Scale: 1:3,570	
Mapped by: m3odmrvk	
Imagery Date: October 27, 2013 © DigitalGlobe Inc.	

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

**Mouth to Smith Bluff Cut-Off**

**Station: 0+00 to 505+00**  
**NECHES RIVER**  
 TEXAS



**Aids to Navigation**

- ★ Lights
- ▲ Red Side Aids
- Green Side Aids
- ◆ Mooring Buoy
- Shoalest Sounding
- ↔ Dimensions
- Station Line
- - - Navigation Centerline
- Navigation Channel

**30 and Shallower**

30 - 34	34 - 36	36 - 38	38 - 40	40 - 42	42 - 45	45 - 47
---------	---------	---------	---------	---------	---------	---------

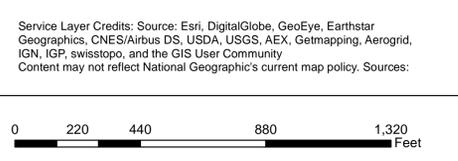
47 and Deeper

**NOTES:**

- HORIZONTAL COORDINATES ARE REFERENCED TO TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE NAD83 US SURVEY FEET.
- ELEVATIONS ARE REFERENCED TO MEAN LOW TIDE (MLT) 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 ER1110-1-8152.
- 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
- FOR THE MOST UP TO DATE INFORMATION PLEASE CHECK OUR WEBSITE AT: WWW.SWG.USACE.ARMY.MIL



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: 27.6333  
 Units: Foot US



29°59'30"N

93°54'0"W

93°53'30"W

93°53'0"W

93°52'30"W

29°59'0"N

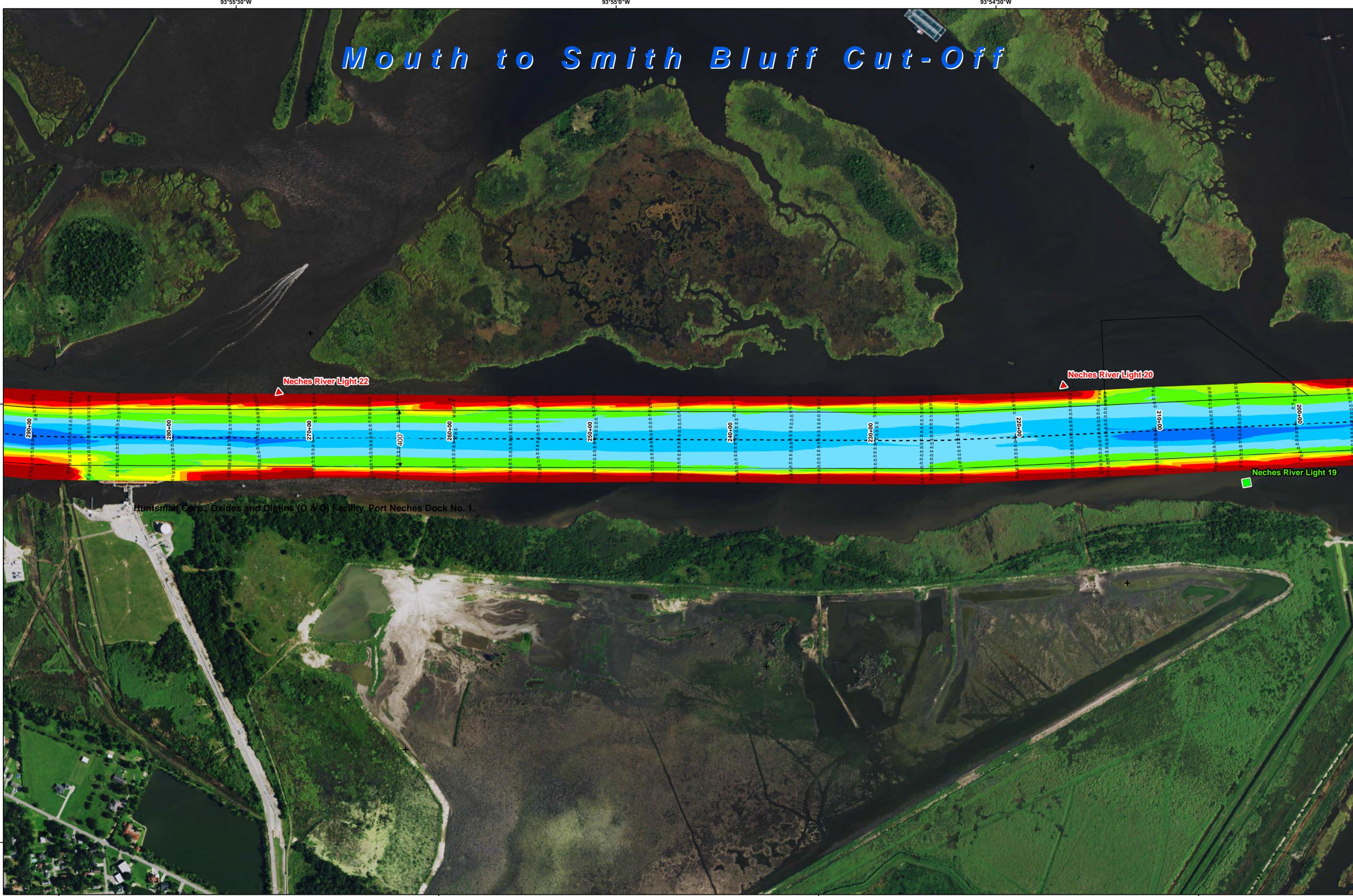
93°54'0"W

93°53'30"W

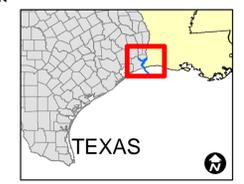
93°53'0"W

29°59'0"N

29°59'30"N



# Mouth to Smith Bluff Cut-Off



Survey Date(s): 20150427	Authorized Depth: -40 ft.
Page 46 of 66	Side Slope Ratio: (Rise : Run)
Map: 46	
Scale: 1:3,570	
Mapped by: m3odmrvk	
Imagery Date: October 27, 2013 © DigitalGlobe Inc.	

**Aids to Navigation**

- ★ Lights
- ▲ Red Side Aids
- Green Side Aids
- ◆ Mooring Buoy
- Shoalest Sounding
- ↔ Dimensions
- Station Line
- - - Navigation Centerline
- Navigation Channel

**30 and Shallower**

30 - 34
34 - 36
36 - 38
38 - 40
40 - 42
42 - 45
45 - 47

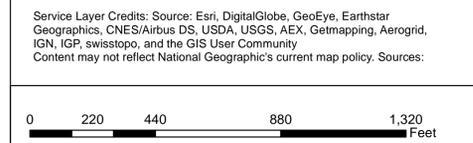
47 and Deeper

**NOTES:**

- HORIZONTAL COORDINATES ARE REFERENCED TO TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE NAD83 US SURVEY FEET.
- ELEVATIONS ARE REFERENCED TO MEAN LOW TIDE (MLT) 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 ER1110-1-8152.
- 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
- FOR THE MOST UP TO DATE INFORMATION PLEASE CHECK OUR WEBSITE AT: [WWW.SWG.USACE.ARMY.MIL](http://WWW.SWG.USACE.ARMY.MIL)



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: 27.6333  
 Units: Foot US

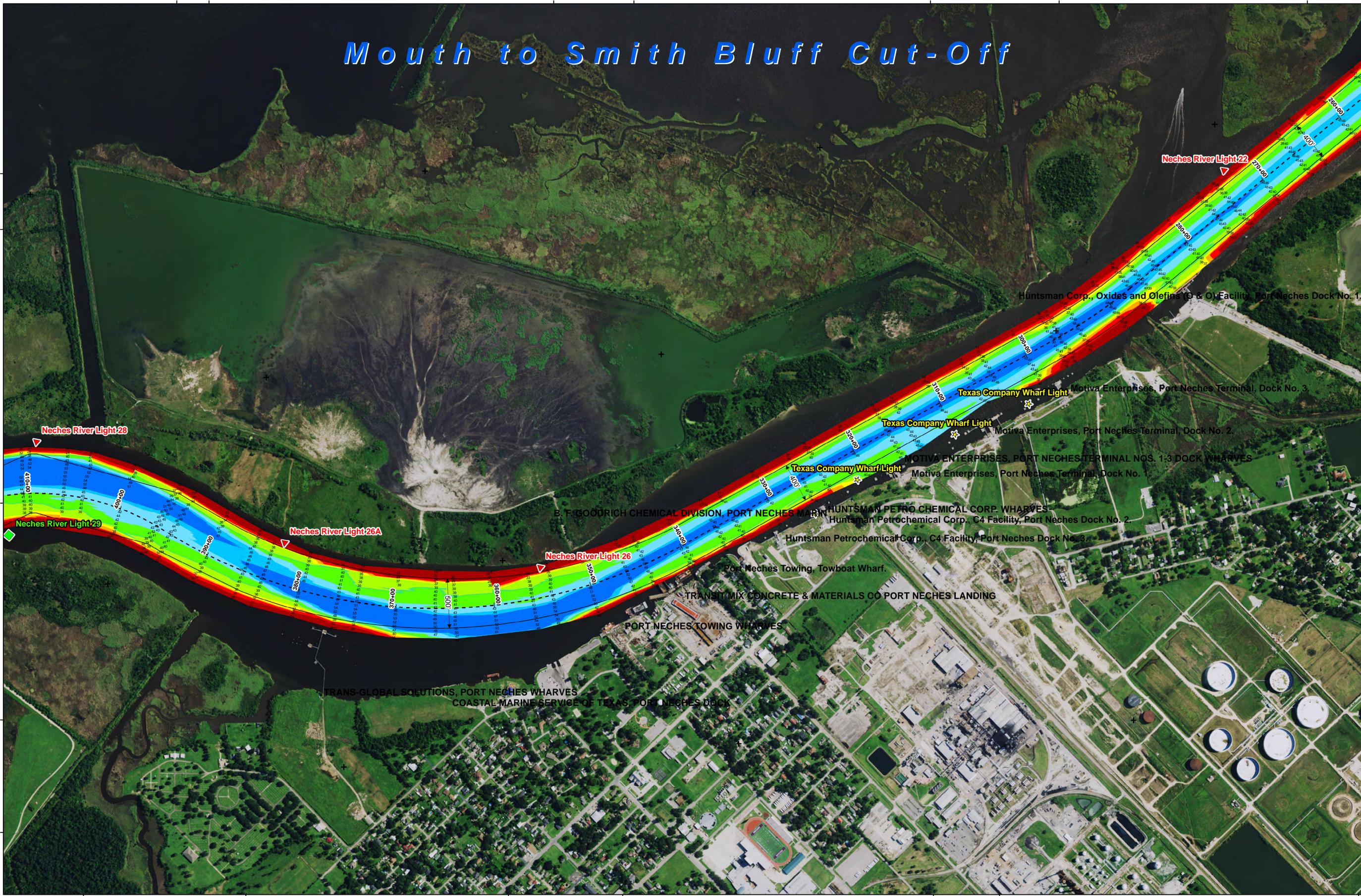


**HYDROGRAPHIC SURVEY**  
 U.S. ARMY ENGINEER DISTRICT  
 CORPS OF ENGINEERS  
 GALVESTON, TEXAS

**Mouth to Smith Bluff Cut-Off**

**Station: 0+00 to 505+00**  
**NECHES RIVER**  
 TEXAS

# Mouth to Smith Bluff Cut-Off



Survey Date(s): 20150427	Authorized Depth: -40 ft.
Page 47 of 66	Side Slope Ratio: (Rise : Run)
Map: 47	
Scale: 1:5,120	
Mapped by: m3odmrvk	
Imagery Date: October 27, 2013 © DigitalGlobe Inc.	

**Aids to Navigation**

- ★ Lights
- ▲ Red Side Aids
- Green Side Aids
- ◆ Mooring Buoy
- Shoalest Sounding
- ↔ Dimensions
- Station Line
- - - Navigation Centerline
- Navigation Channel

**30 and Shallower**

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

**NOTES:**

- HORIZONTAL COORDINATES ARE REFERENCED TO TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE NAD83 US SURVEY FEET.
- ELEVATIONS ARE REFERENCED TO MEAN LOW TIDE (MLT) 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 ER1110-1-8152.
- 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
- FOR THE MOST UP TO DATE INFORMATION PLEASE CHECK OUR WEBSITE AT: WWW.SWG.USACE.ARMY.MIL



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: 27.6333  
 Units: Foot US

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 Content may not reflect National Geographic's current map policy. Sources:

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

**Mouth to Smith Bluff Cut-Off**

**Station: 0+00 to 505+00**  
**NECHES RIVER**  
 TEXAS

# Mouth to Smith Bluff Cut-Off

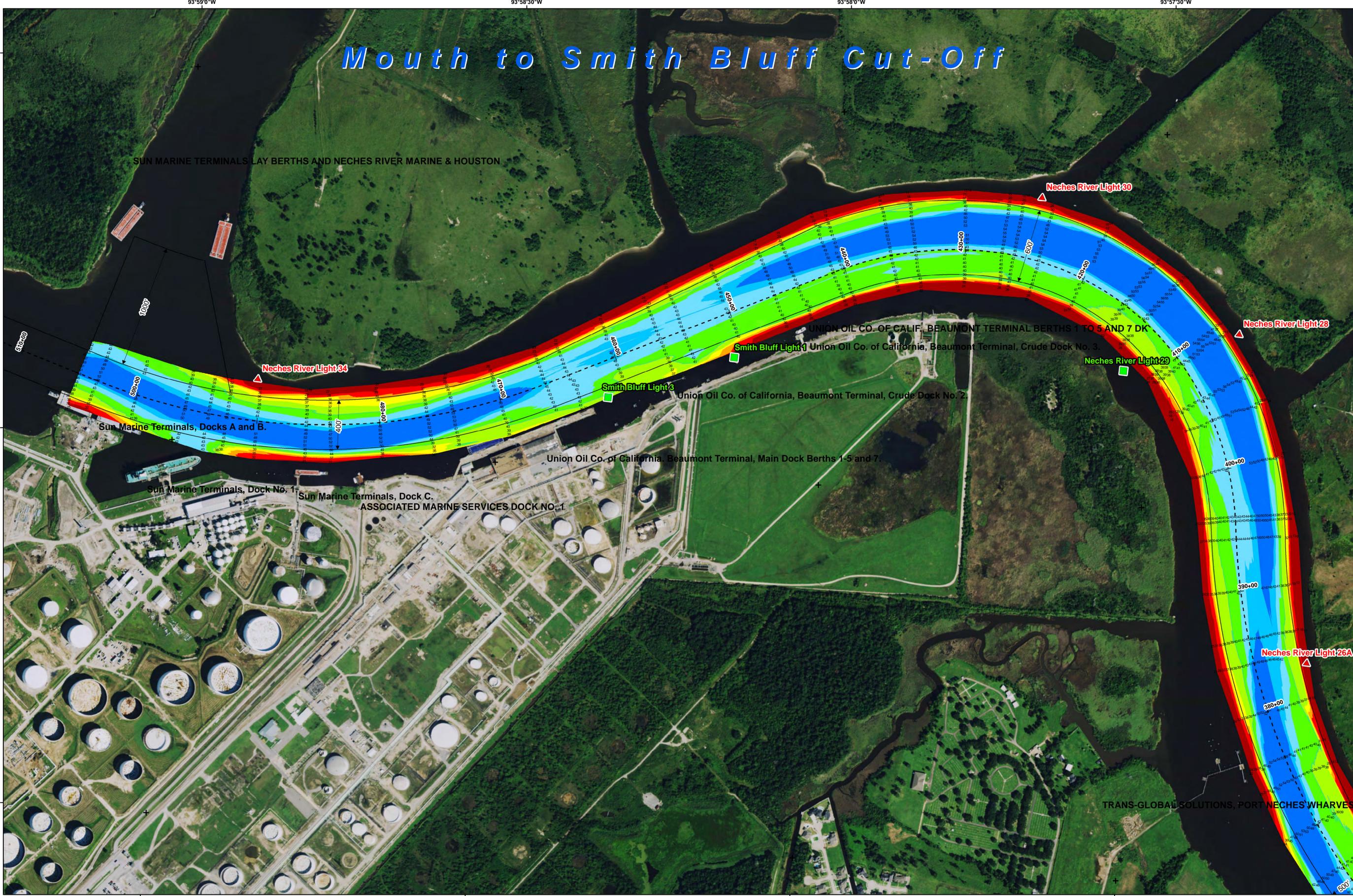


Survey Date(s): 20150427	Authorized Depth: -40 ft.
Page 48 of 66	Side Slope Ratio: (Rise :Run)
Map: 48	
Scale: 1:4,080	
Mapped by: m3odmrvk	
Imagery Date: October 27, 2013 © DigitalGlobe Inc.	

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

**Mouth to Smith Bluff Cut-Off**

**Station: 0+00 to 505+00**  
**NECHES RIVER**  
 TEXAS



**Aids to Navigation**

- Yellow circle: Shoalest Sounding
- Red triangle: Lights
- Green triangle: Red Side Aids
- Green square: Green Side Aids
- Purple diamond: Mooring Buoy
- Black line with arrow: Dimensions
- Black line: Station Line
- Dashed line: Navigation Centerline
- Black line: Navigation Channel

**Depth Legend (30 and Shallower):**

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

**NOTES:**

- HORIZONTAL COORDINATES ARE REFERENCED TO TEXAS STATE PLANE COORDINATE SYSTEM, SOUTH CENTRAL ZONE NAD83 US SURVEY FEET.
- ELEVATIONS ARE REFERENCED TO MEAN LOW TIDE (MLT) 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 ER1110-1-8152.
- 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
- FOR THE MOST UP TO DATE INFORMATION PLEASE CHECK OUR WEBSITE AT: WWW.SWG.USACE.ARMY.MIL



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: 27.6333  
 Units: Foot US

Service Layer Credits: Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community  
 Content may not reflect National Geographic's current map policy. Sources:

0 250 500 1,000 1,500 Feet