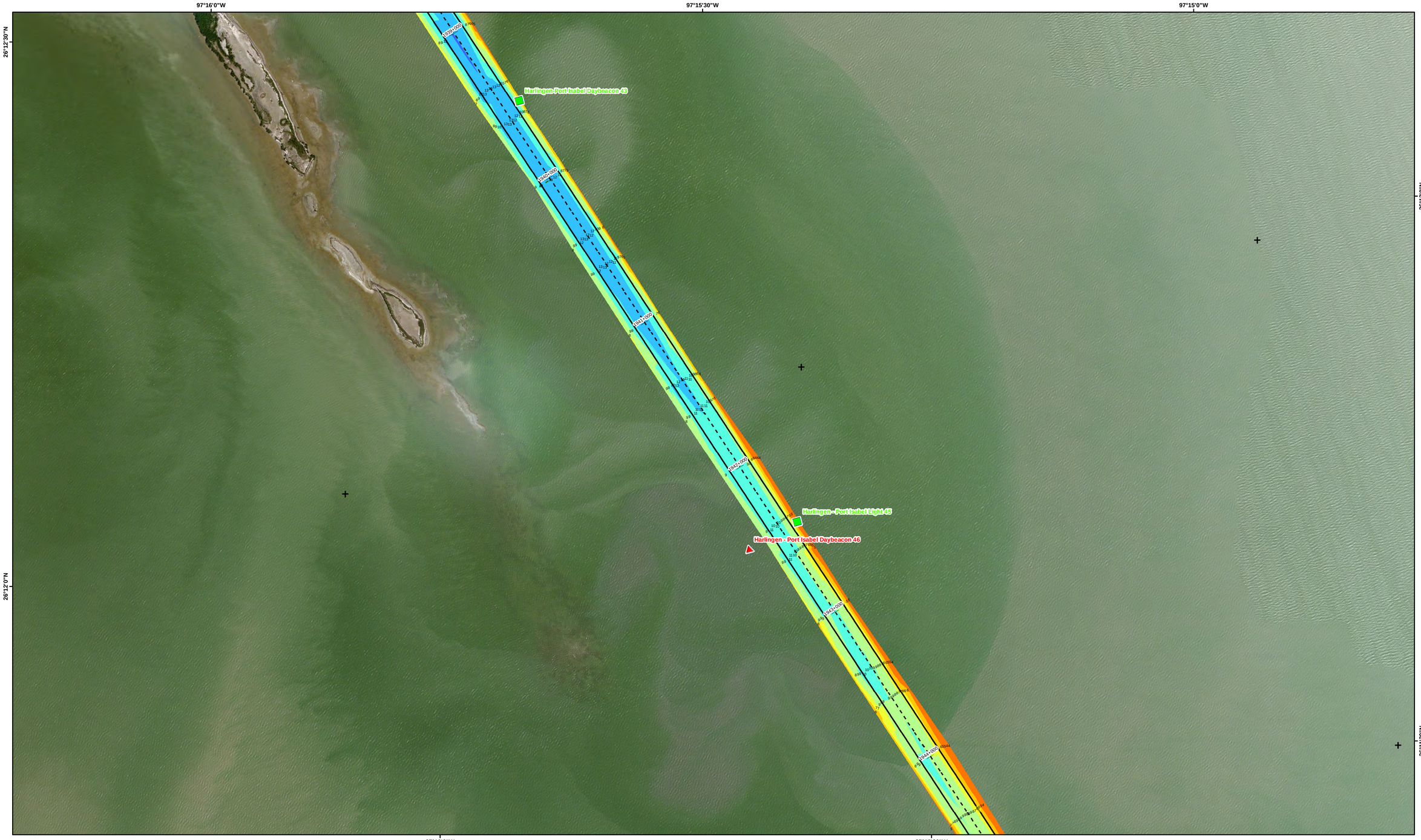
Arroyo Colorado to Port Brownsville



US Army Corps of Engineers ®
Galveston District

Survey Date(s): 24 March 2015
Page: 330 of 340 Map: 330
Scale: 1:3,000
Mapped by: m3odnmfp
Imagery Date: October 27, 2013 © DigitalGlobe Inc.

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

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.

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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 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

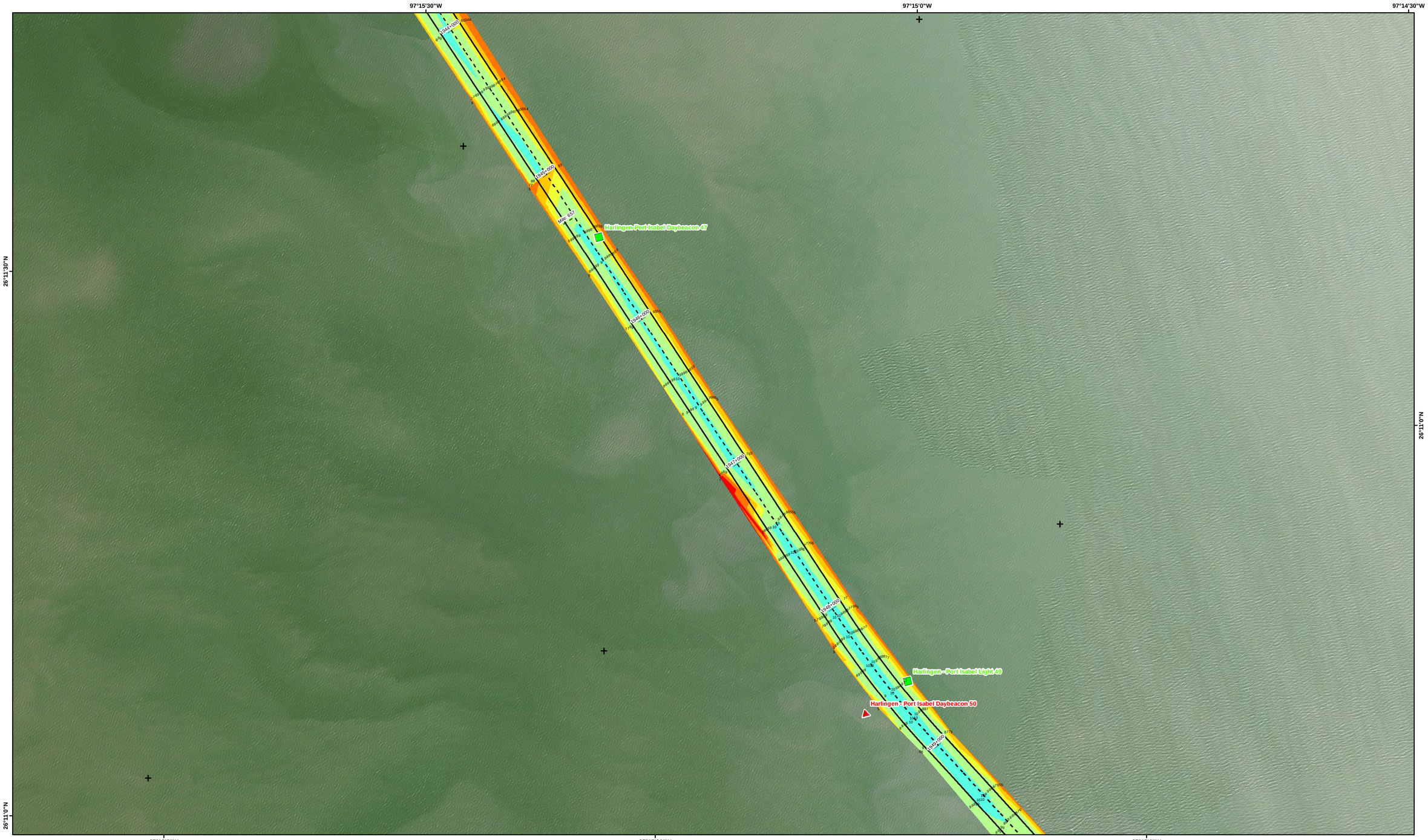
0 180 360 720 1,080 Feet

HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS
Arroyo Colorado to Port Brownsville

Station: 1878+700 to 1999+277
GULF INTRACOASTAL WATERWAY
, TEXAS

Arroyo Colorado to Port Brownsville

US Army Corps of Engineers®
Galveston District



Survey Date(s): 24 March 2015
Page: 331 of 340 Map: 331
Scale: 1:3,000
Authorized Depth: -12ft.
Side Slope Ratio: (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

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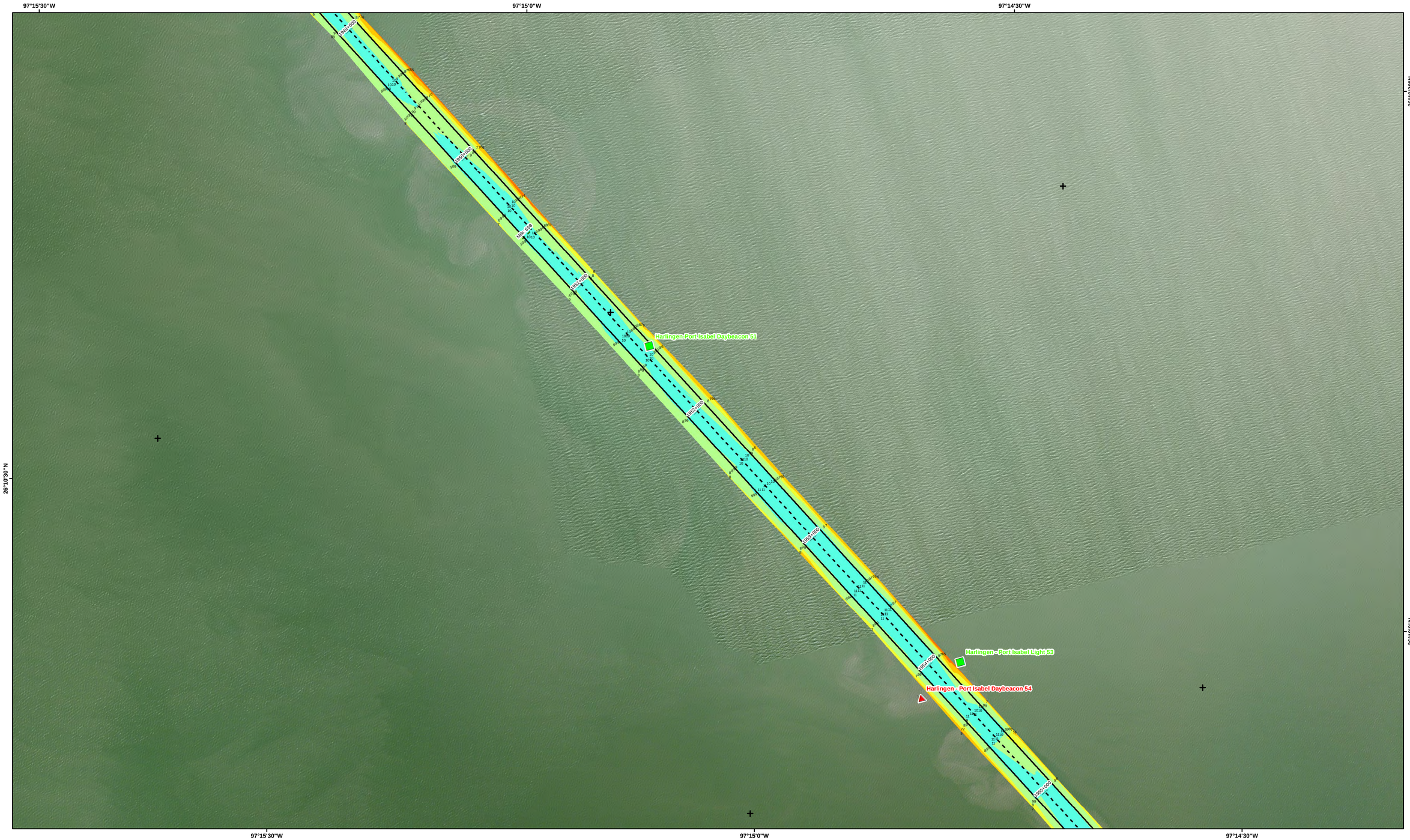
0 180 360 720 1,080 Feet

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

Arroyo Colorado to Port Brownsville

Station: 1878+700 to 1999+277
GULF INTRACOASTAL WATERWAY
, TEXAS

Arroyo Colorado to Port Brownsville



US Army Corps of Engineers ®
Galveston District

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

Survey Date(s): 24 March 2015
Page: 332 of 340 Map: 332
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
Arroyo Colorado to Port Brownsville

Station: 1878+700 to 1999+277
GULF INTRACOASTAL WATERWAY
, TEXAS

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:

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Projection: Lambert Conformal Conic
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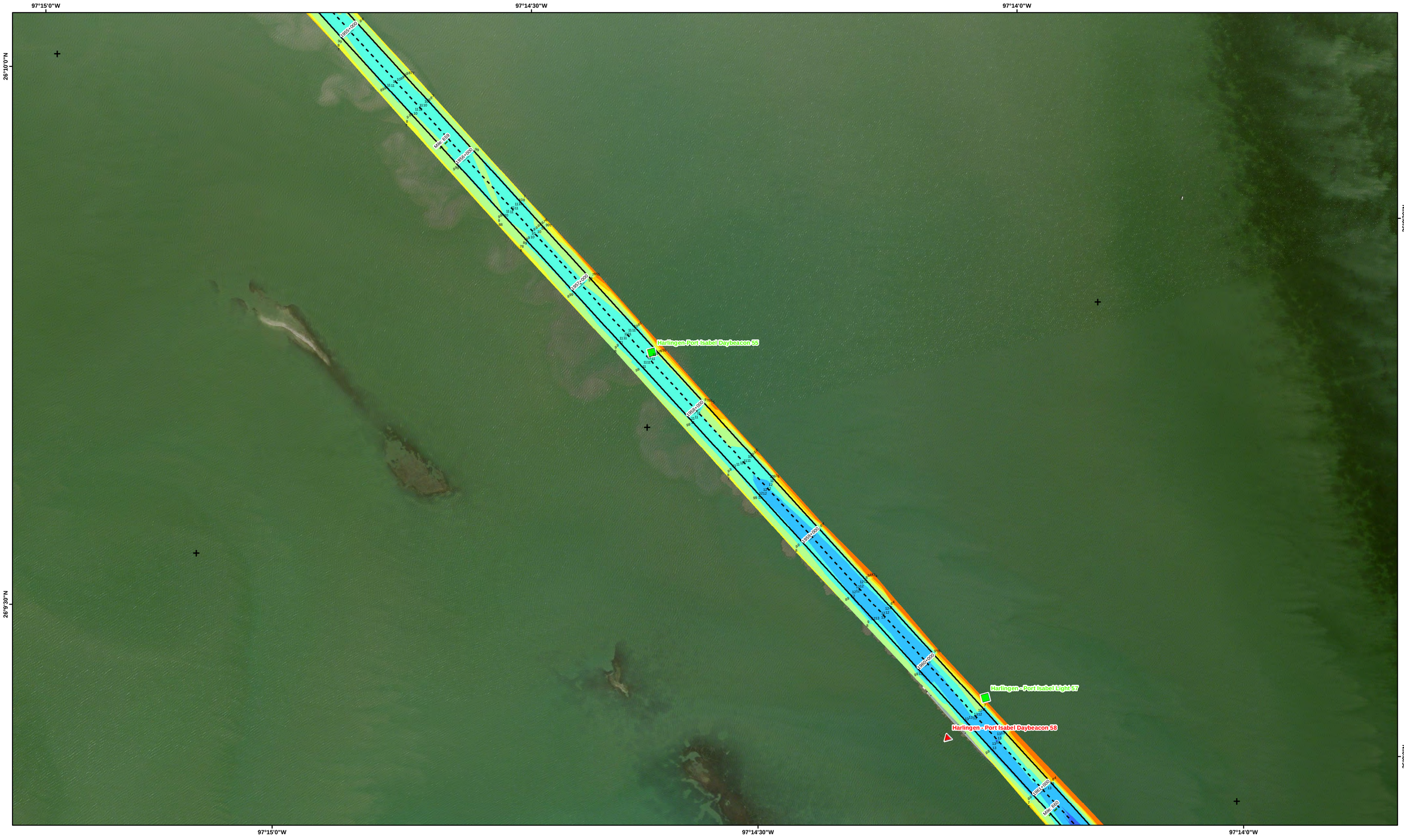
0 180 360 720 1,080 Feet

Arroyo Colorado to Port Brownsville



US Army Corps of Engineers ®
Galveston District

Survey Date(s): 24 March 2015
Page: 333 of 340 Map: 333
Scale: 1:3,000

Authorized Depth: -12ft.
Side Slope Ratio: (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

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0 180 360 720 1,080 Feet

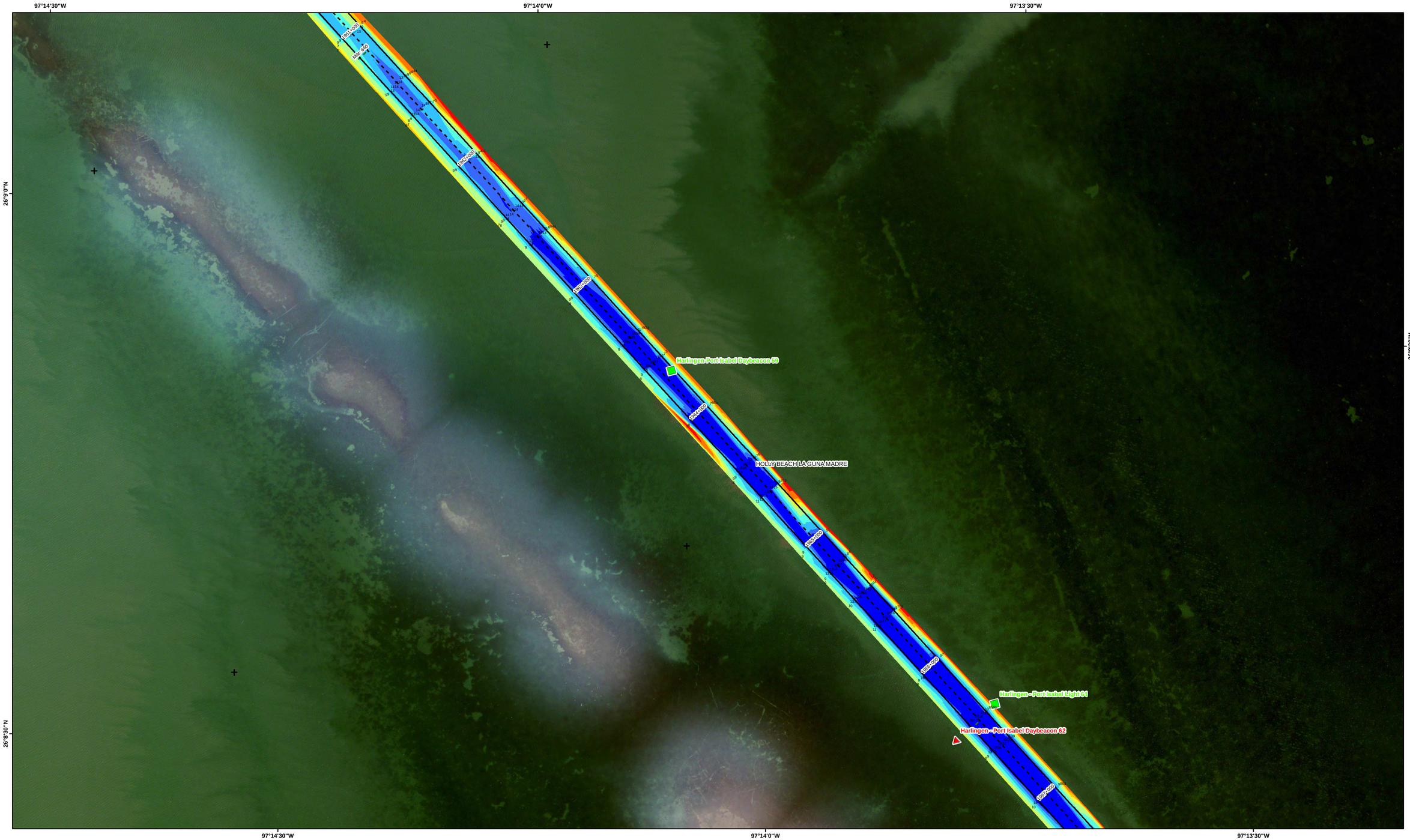
HYDROGRAPHIC SURVEY

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

Arroyo Colorado to Port Brownsville

Station: 1878+700 to 1999+277
GULF INTRACOASTAL WATERWAY
, TEXAS

Arroyo Colorado to Port Brownsville



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

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0 180 360 720 1,080 Feet

US Army Corps of Engineers ®
Galveston District

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

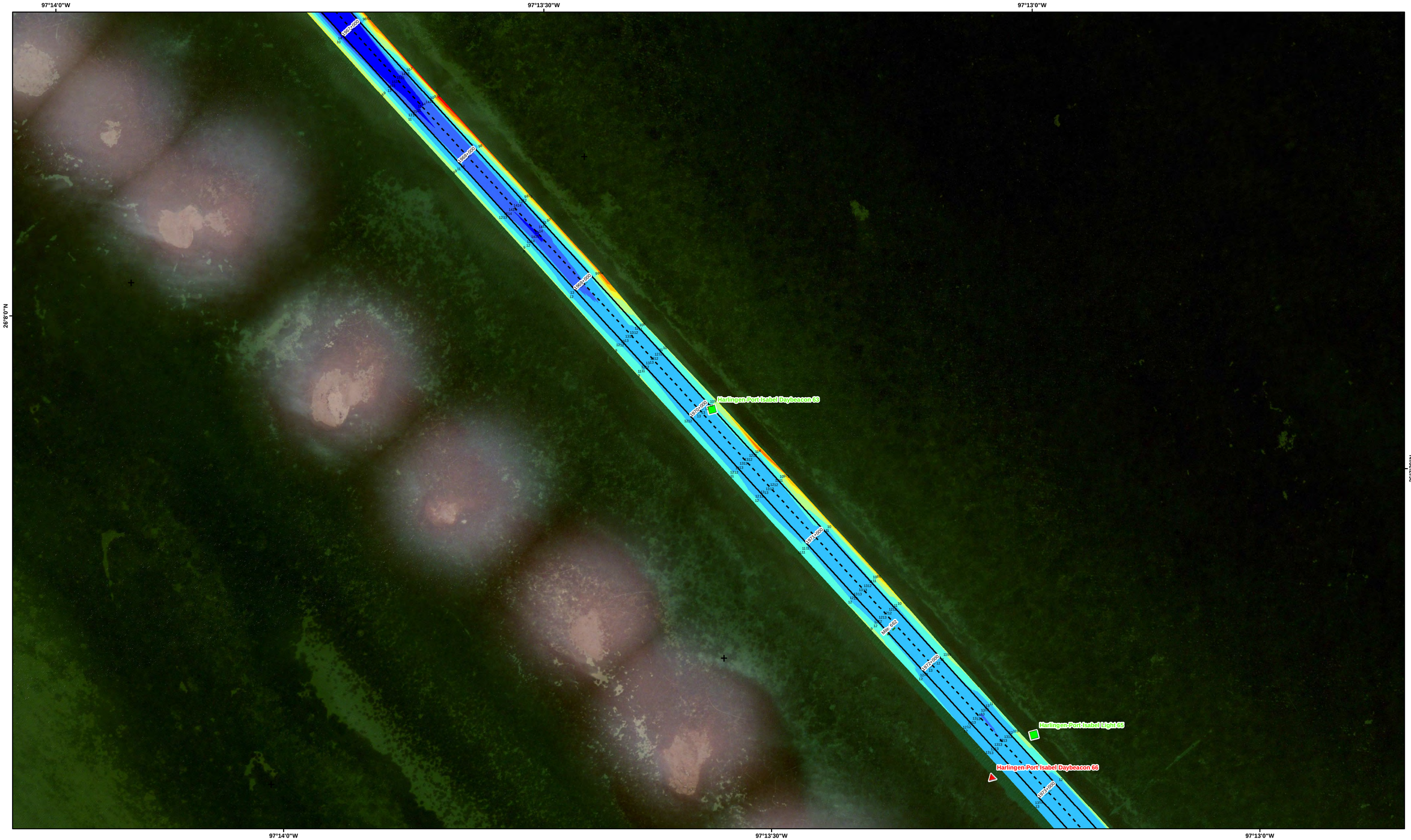
Survey Date(s): 24 March 2015
Page: 334 of 340 Map: 334
Scale: 1:3,000

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

HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS
Arroyo Colorado to Port Brownsville

Station: 1878+700 to 1999+277
GULF INTRACOASTAL WATERWAY
, TEXAS

Arroyo Colorado to Port Brownsville



US Army Corps of Engineers ®
Galveston District

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

Survey Date(s): 24 March 2015
Page: 335 of 340 Map: 335
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:

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N E S W

Coordinate System: NAD 1983 StatePlane Texas South FIPS 4205 Feet
Projection: Lambert Conformal Conic
Datum: North American 1983
False Easting: 984,250.0000
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Central Meridian: -98.5000
Standard Parallel 1: 26.1667
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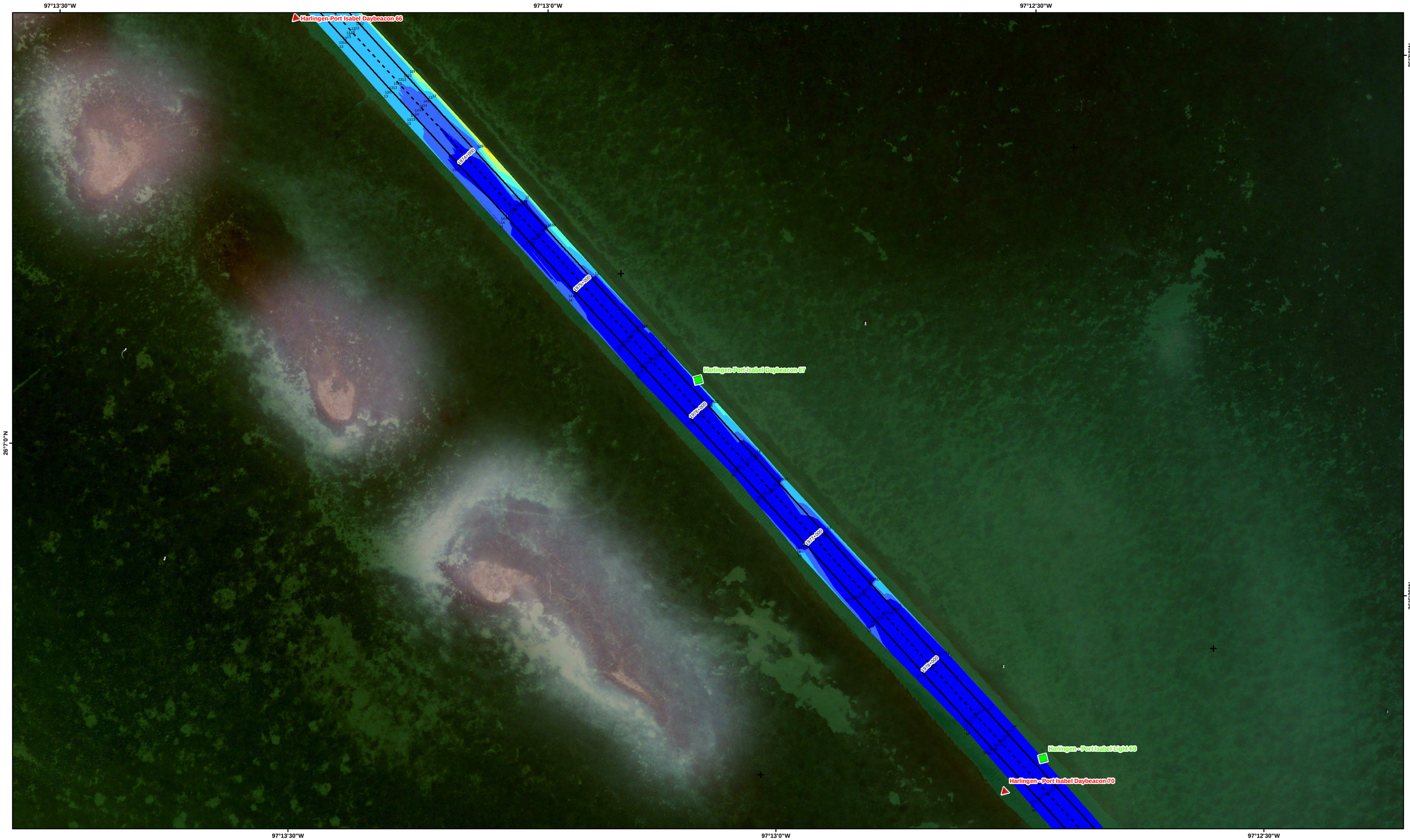
0 180 360 720 1,080 Feet

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

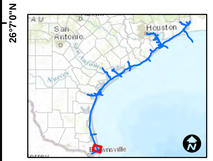
Arroyo Colorado to Port Brownsville

Station: 1878+700 to 1999+277
GULF INTRACOASTAL WATERWAY
, TEXAS

Arroyo Colorado to Port Brownsville



US Army Corps of Engineers ®
Galveston District



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

Survey Date(s): 24 March 2015
Page: 336 of 340 Map: 336
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
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15 and Deeper

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0 180 360 720 1,080 Feet

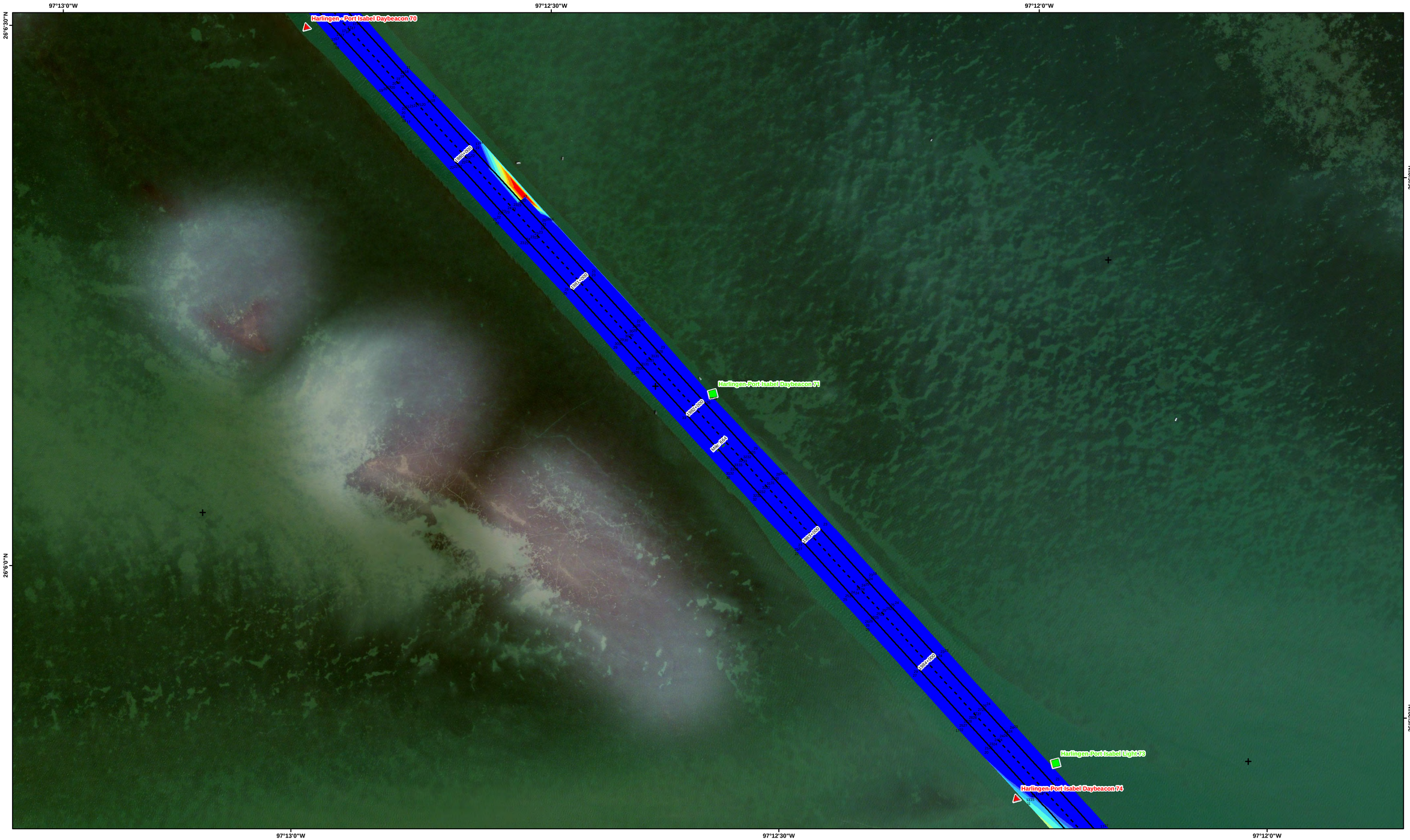
HYDROGRAPHIC SURVEY

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

Arroyo Colorado to Port Brownsville

Station: 1878+700 to 1999+277
GULF INTRACOASTAL WATERWAY
, TEXAS

Arroyo Colorado to Port Brownsville



US Army Corps of Engineers ®
Galveston District

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
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15 and Deeper

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N
E
S
W

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0 180 360 720 1,080 Feet

Survey Date(s): 24 March 2015
Page: 337 of 340 Map: 337
Scale: 1:3,000

Authorized Depth: -12ft.
Side Slope Ratio: 1:3 (Rise : Run)

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

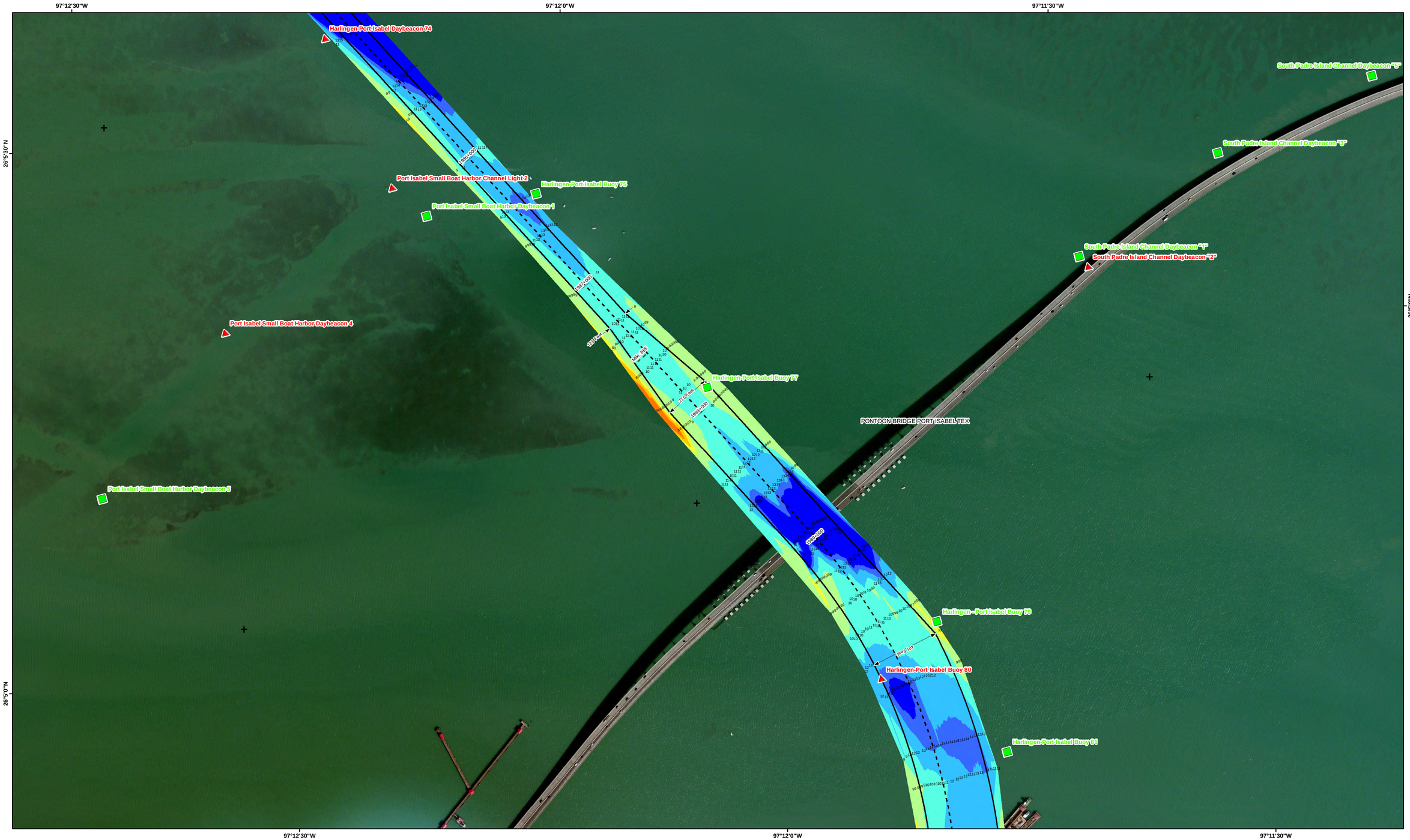
HYDROGRAPHIC SURVEY

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

Arroyo Colorado to Port Brownsville

Station: 1878+700 to 1999+277
GULF INTRACOASTAL WATERWAY
, TEXAS

Arroyo Colorado to Port Brownsville



US Army Corps of Engineers ®
Galveston District

Survey Date(s): 24 March 2015
Page: 338 of 340 Map: 338
Scale: 1:3,000

Authorized Depth: -12ft.
Side Slope Ratio: 1:3 (Rise : Run)

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Imagery Date: October 27, 2013 © DigitalGlobe Inc.

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Mileage
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Lights
Red Side Aids
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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 E S W

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

Arroyo Colorado to Port Brownsville

Station: 1878+700 to 1999+277
GULF INTRACOASTAL WATERWAY
, TEXAS

Arroyo Colorado to Port Brownsville

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

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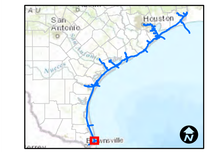
0 180 360 720 1,080 Feet

US Army Corps of Engineers ®
Galveston District



Authorized Depth: -12ft.
Side Slope Ratio: 1:3 (Rise : Run)

Survey Date(s): 24 March 2015
Page: 339 of 340 Map: 339
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
Arroyo Colorado to Port Brownsville

Station: 1878+700 to 1999+277
GULF INTRACOASTAL WATERWAY
, TEXAS

Arroyo Colorado to Port Brownsville

US Army Corps of Engineers ®
Galveston District

Survey Date(s): 24 March 2015
Page: 340 of 340 Map: 340
Scale: 1:3,000

Authorized Depth: -12ft.
Side Slope Ratio: 1:3 (Rise : Run)

Mapped by: m3odnmfp
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Channel Center Line
Mileage
Navigation Channel South
Dimensions

Aids to Navigation

Lights
Red Side Aids
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Mooring Buoy

Depth in Feet

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