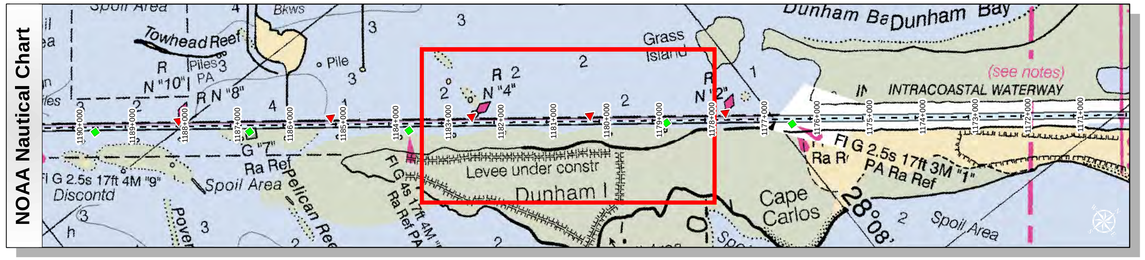
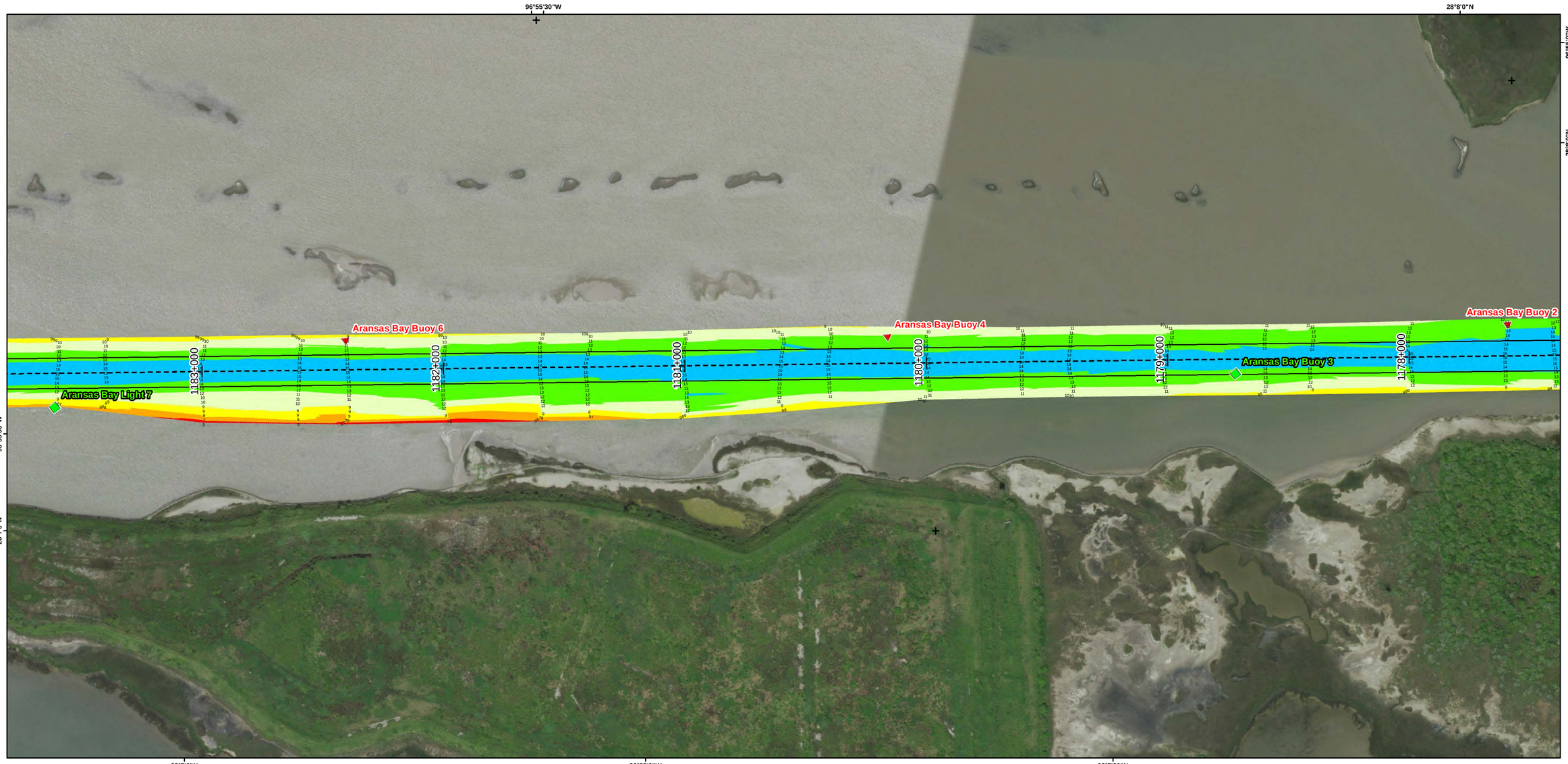
Gulf Intracoastal Waterway: Across Aransas Bay

U.S. Army Corps of Engineers
Galveston District

Regional Extent

NOAA Nautical Chart





Channel Features

- Channel Toe
- Channel Center Line
- Channel Station Lines
- Channel Dimensions

Aids to Navigation

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

MLLW

> 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18

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.
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NOAA / NOS Special Projects / Office of Coast Survey
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Coordinate System: NAD 1983 StatePlane Texas South Central FIPS 4204 Feet
Projection: Lambert Conformal Conic /Datum: North American 1983

NOAA Nautical Chart Extent
0 0.25 0.5 1 Miles

Hydrographic Survey Extent
0 200 400 800 Feet

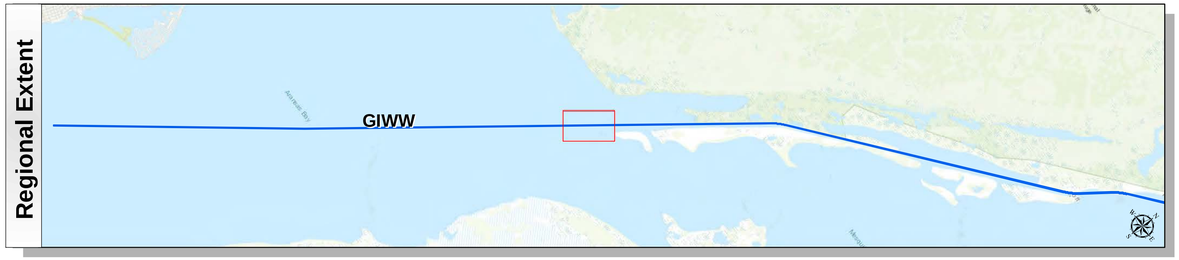
Authorized Depth: -14ft.
Side Slope Ratio: (Rise : Run)
Additional Imagery: © DigitalGlobe Inc.
Print Date: 10/19/2018

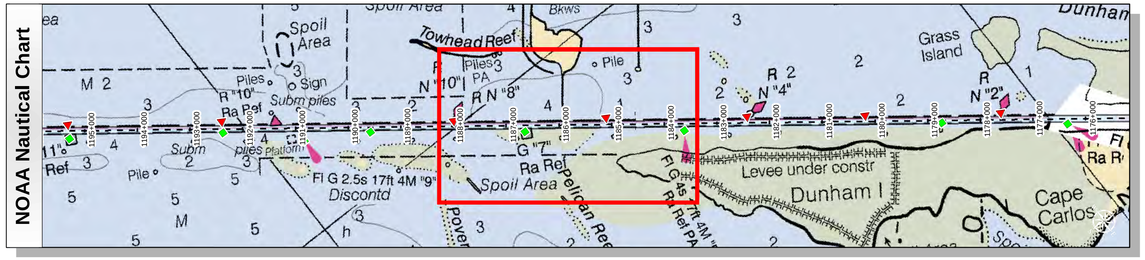
Survey Date(s): 16 October 2018
Page: 169 of 190 Map:
Scale: 1:2,400
Mapped by: M3AOXPAC
Additional Info:

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

Station: 1178+000 to 1236+611
GIWW
, TEXAS

Gulf Intracoastal Waterway: Across Aransas Bay





U.S. Army Corps of Engineers
Galveston District

96°56'0"W
28°7'0"N
28°6'30"N
96°55'30"W

SEA GUN CHANNELSUN OIL CO
COPANO BAY ST 43

Aransas Bay Buoy 10
Aransas Bay Buoy 8
Aransas Bay Buoy 9
Aransas Bay Light 7
125' Fairway

1193+000
1188+000
1187+000
1186+000
1185+000
1184+000
1183+000

+

28°6'30"N
96°56'0"W
96°55'30"W
28°7'0"N

Authorized Depth: -14ft.	
Side Slope Ratio: (Rise : Run)	
Additional Imagery: © DigitalGlobe Inc.	
Print Date: 10/19/2018	
Survey Date(s): 16 October 2018	
Page: 170 of 190 Map:	
Scale: 1:2,400	
Mapped by: M3AOXPAC	
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- Channel Dimensions

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- Green Side Aids
- Mooring Buoy

MLLW

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NOAA Bathymetry (DREDGING REACH EXTENT)

0 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 50

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W N S E

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

NOAA Nautical Chart Extent
0 0.25 0.5 1 Miles

Hydrographic Survey Extent
0 200 400 800 Feet

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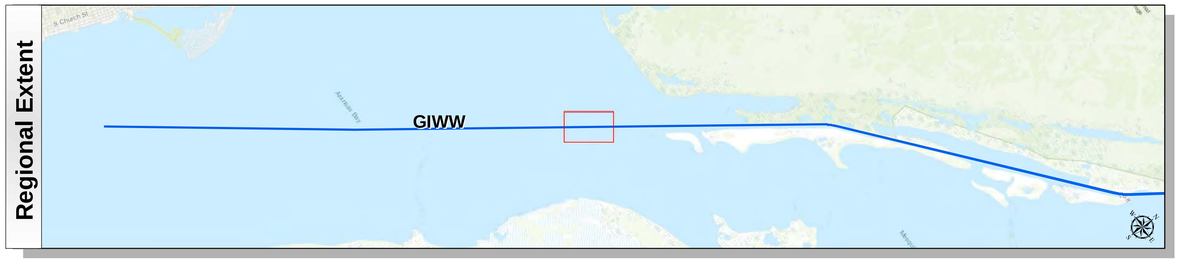
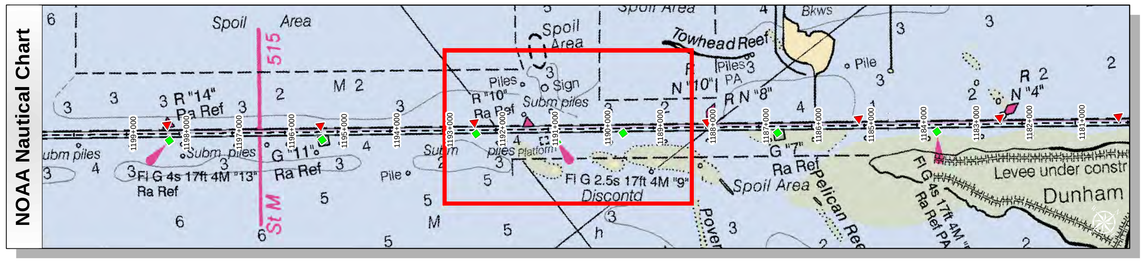
Galveston District





28°6'0"N
96°56'30"W
28°6'30"N
96°56'0"W

MILLS WHARF LAMAR TEX - SOMICOEXXON CO USA WHARF
COPANO BAY STATE TRACT 82 (MI 515 GIWW)

Aransas Bay Buoy 14
Aransas Bay Buoy
Aransas Bay Light 13
Aransas Bay Buoy 11
Aransas Bay Buoy 10

1193+000
1192+000
1191+000
1190+000
1189+000
1188+000

28°6'30"N
96°56'30"W
28°6'0"N
96°56'0"W

Survey Date(s):	16 October 2018
Page:	171 of 190
Map:	
Scale:	1:2,400
Authorized Depth:	-14ft.
Side Slope Ratio:	(Rise : Run)
Additional Imagery:	© DigitalGlobe Inc.
Print Date:	10/19/2018
Mapped by:	M3AOXPAC
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- Channel Station Lines
- Channel Dimensions

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- Green Side Aids
- Mooring Buoy

MLLW

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NOAA Bathymetry (DREDGING REACH EXTENT)

0 - 10 | 10 - 15 | 15 - 20 | 20 - 25 | 25 - 30 | 30 - 50

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Projection: Lambert Conformal Conic /Datum: North American 1983

NOAA Nautical Chart Extent
0 0.25 0.5 1 Miles

Hydrographic Survey Extent
0 200 400 800 Feet

HYDROGRAPHIC SURVEY

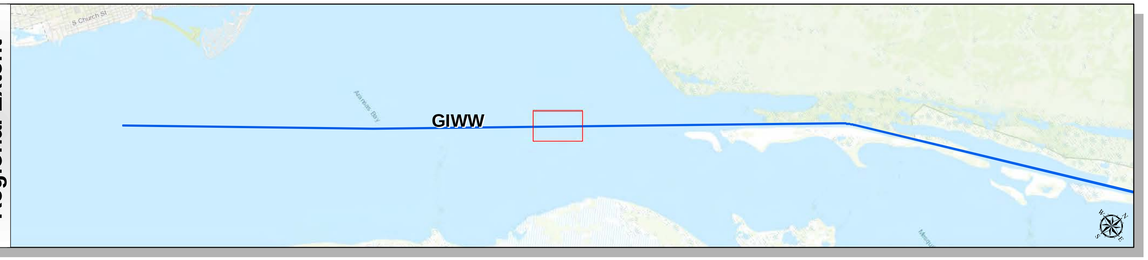
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1178+000 to 1236+611
GIWW
, TEXAS

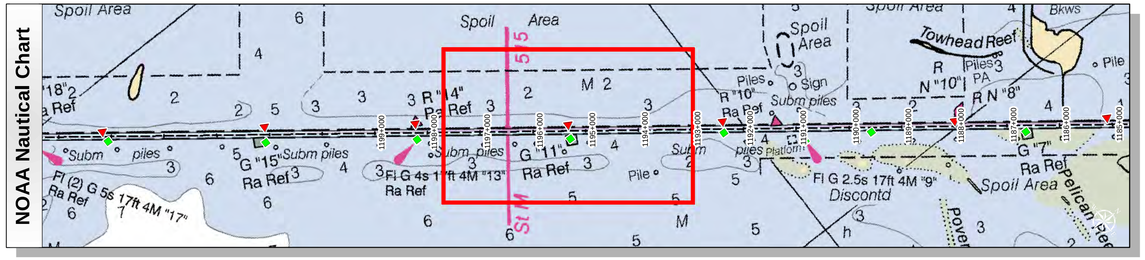
Gulf Intracoastal Waterway: Across Aransas Bay

U.S. Army Corps of Engineers
Galveston District

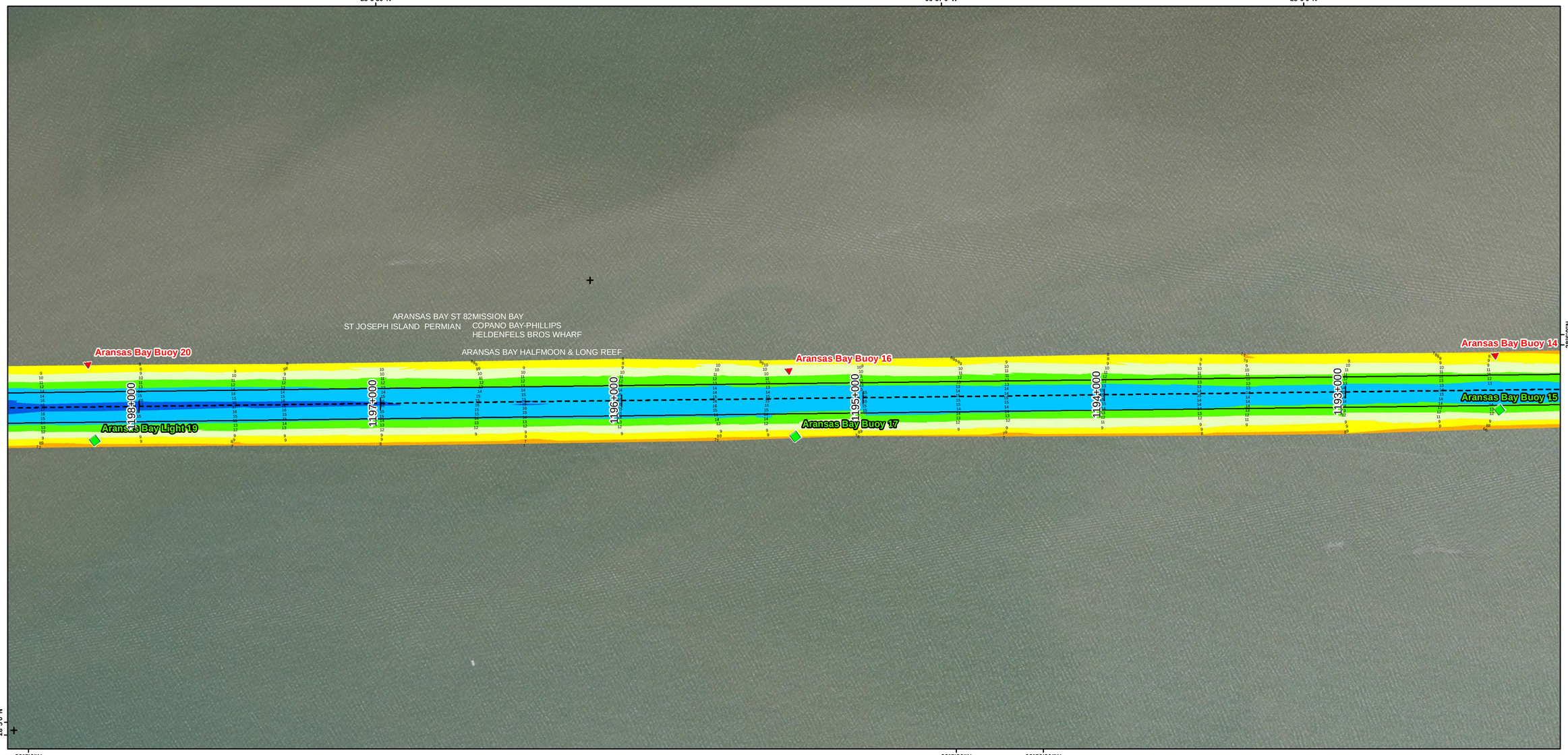
Regional Extent



NOAA Nautical Chart



28°5'30"N 96°57'0"W 28°6'0"N



28°5'0"N 28°5'30"N 96°56'30"W

Channel Features
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- Channel Center Line
- Channel Station Lines
- Channel Dimensions

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

MLLW

> 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18

NOAA Bathymetry (DREDGING REACH EXTENT)

0 - 10 | 10 - 15 | 15 - 20 | 20 - 25 | 25 - 30 | 30 - 50

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Authorized Depth: -14ft.
Side Slope Ratio: (Rise : Run)
Additional Imagery: © DigitalGlobe Inc.
Print Date: 10/19/2018

Survey Date(s): 16 October 2018
Page: 172 of 190 Map:
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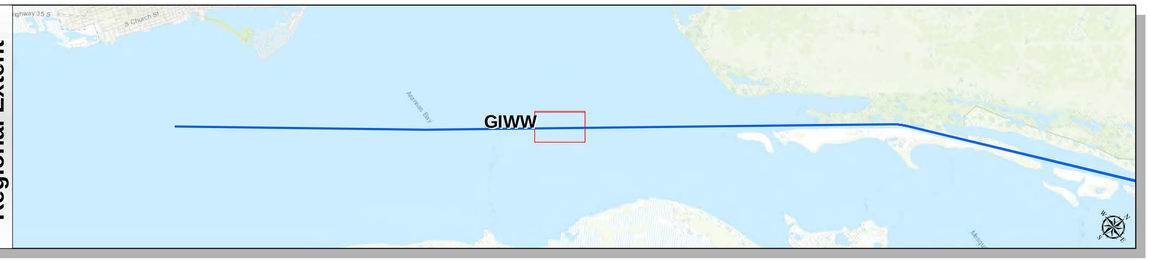
Regional Extent



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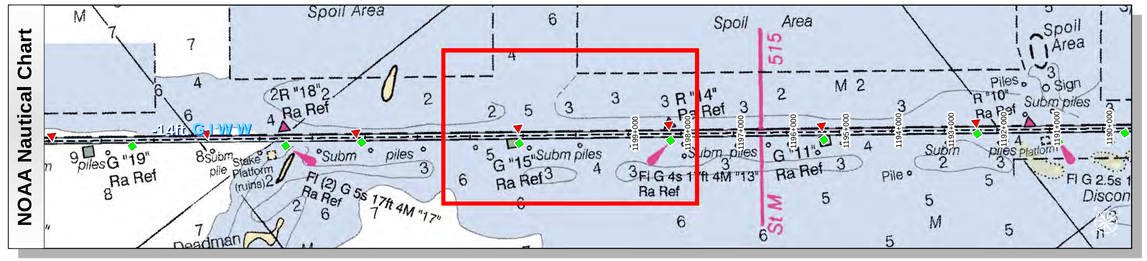
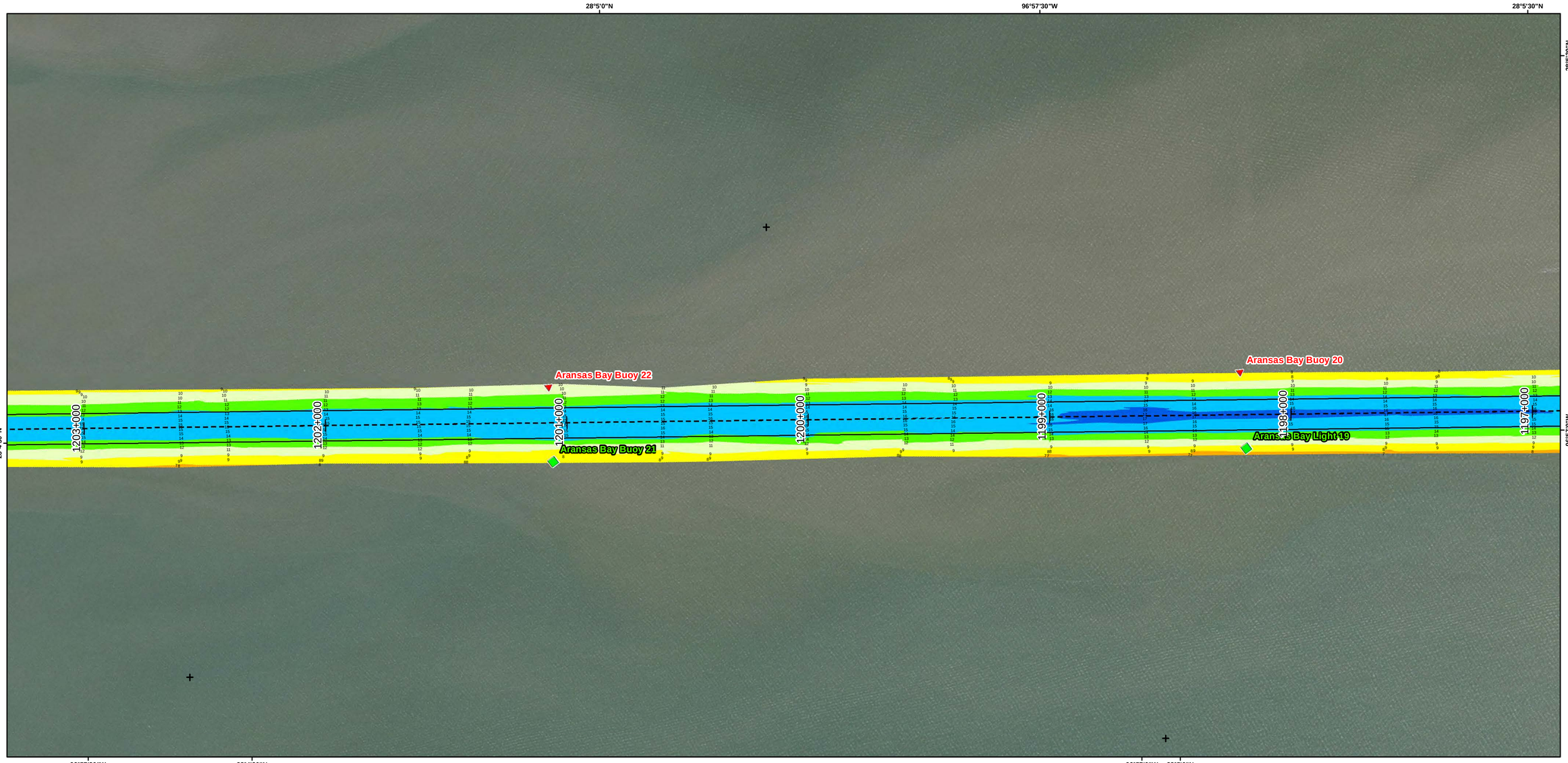


U.S. Army Corps of Engineers
Galveston District



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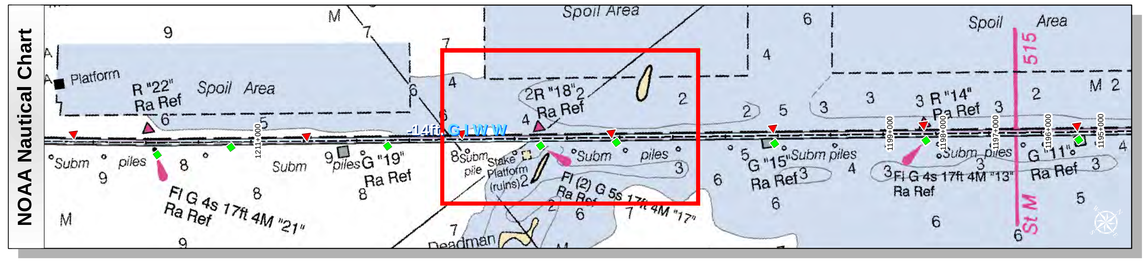

U.S. Army Corps of Engineers
Galveston District

96°58'30"W
28°4'30"N
96°58'0"W
28°4'0"N
96°57'30"W

ARANSAS BAY--STATE TRACT 151ARANSAS BAY ST 153
STATE TRACT 140 ARANSAS BAY

Aransas Bay Buoy 26
Aransas Bay Light 25
Aransas Bay Buoy
Aransas Bay Buoy 24

1208+000
1207+000
1206+000
1205+000
1204+000
1203+000
1202+000

Authorized Depth: -14ft.	
Survey Date(s): 16 October 2018	Side Slope Ratio: (Rise : Run)
Page: 174 of 190	Additional Imagery: © DigitalGlobe Inc.
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Projection: Lambert Conformal Conic /Datum: North American 1983

NOAA Nautical Chart Extent
0 0.25 0.5 1 Miles

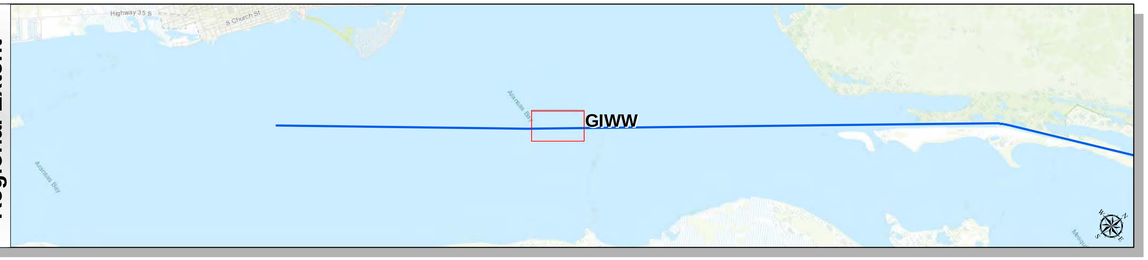
Hydrographic Survey Extent
0 200 400 800 Feet

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

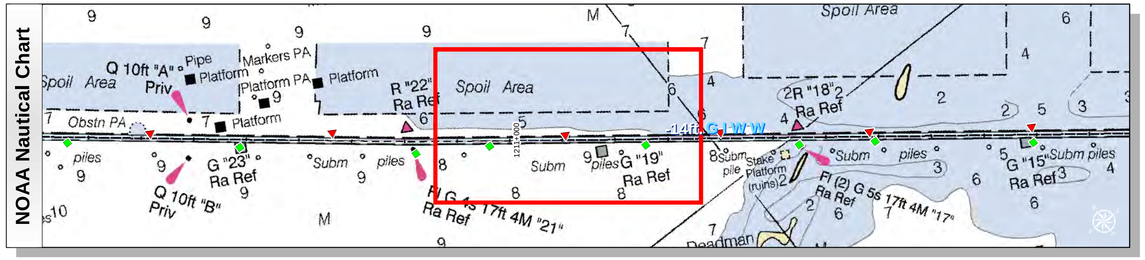
Station: 1178+000 to 1236+611
GIWW
, TEXAS

Gulf Intracoastal Waterway: Across Aransas Bay

Regional Extent



NOAA Nautical Chart



28°3'30"N 96°59'0"W 28°4'0"N 96°58'30"W

96°59'0"W

COPANO BAY AUSTIN BRIDGE CO

ARANSAS BAY ST 153
ARANSAS BAY--STATE TRACT 151

Aransas Bay Buoy 26
Aransas Bay Buoy 28
Aransas Bay Buoy 27
Aransas Bay Buoy 29
Aransas Bay Light 31

1213+000 1212+000 1211+000 1210+000 1209+000 1208+000 1207+000

96°58'30"W 28°4'0"N

96°58'30"W 28°3'30"N 96°58'0"W

Authorized Depth: -14ft.	
Survey Date(s): 16 October 2018	Side Slope Ratio: (Rise : Run)
Page: 175 of 190	Additional Imagery: © DigitalGlobe Inc.
Scale: 1:2,400	Print Date: 10/19/2018
Mapped by: M3AOXPAC	Additional Info:

Channel Features
- Channel Toe
- Channel Center Line
- Channel Station Lines
- Channel Dimensions

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

MLLW

> 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18

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

NOAA Nautical Chart Extent
0 0.25 0.5 1 Miles

Hydrographic Survey Extent
0 200 400 800 Feet

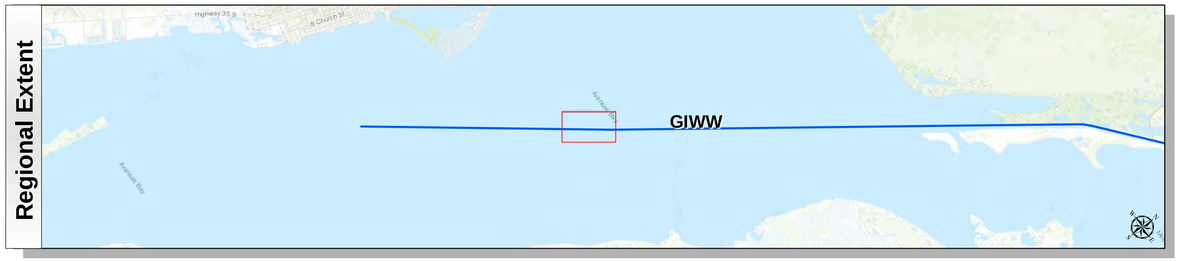
U.S. Army Corps of Engineers
Galveston District

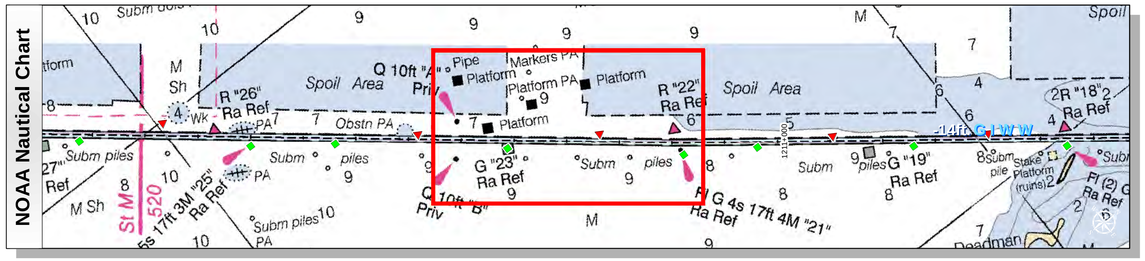
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1178+000 to 1236+611
GIWW
, TEXAS

Gulf Intracoastal Waterway: Across Aransas Bay

U.S. Army Corps of Engineers
Galveston District





Survey Date(s):	16 October 2018
Page:	176 of 190
Scale:	1:2,400
Authorized Depth:	-14ft.
Side Slope Ratio:	(Rise : Run)
Additional Imagery:	© DigitalGlobe Inc.
Mapped by:	M3AOXPAC
Print Date:	10/19/2018
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MLLW

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NOAA Bathymetry (DREDGING REACH EXTENT)

0 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 50

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NOAA Nautical Chart Extent
0 0.25 0.5 1 Miles

Hydrographic Survey Extent
0 200 400 800 Feet

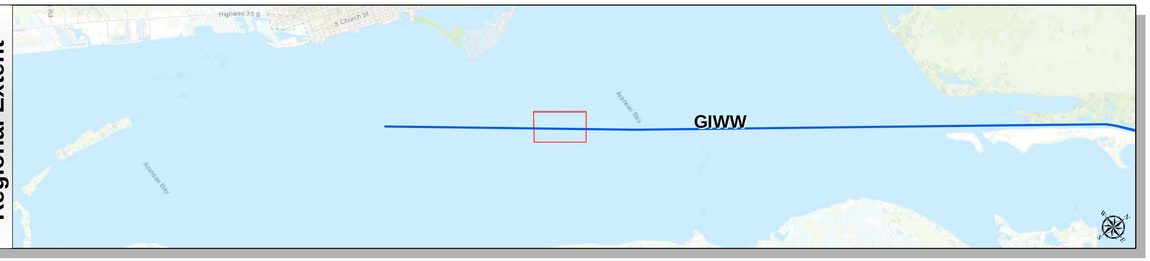
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1178+000 to 1236+611
GIWW
, TEXAS

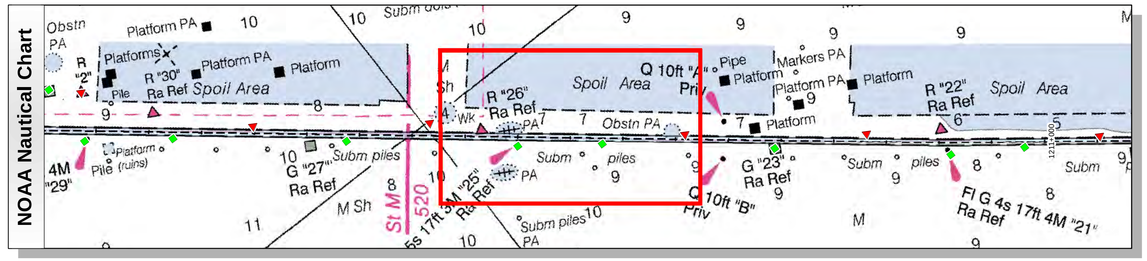
Gulf Intracoastal Waterway: Across Aransas Bay

U.S. Army Corps of Engineers
Galveston District

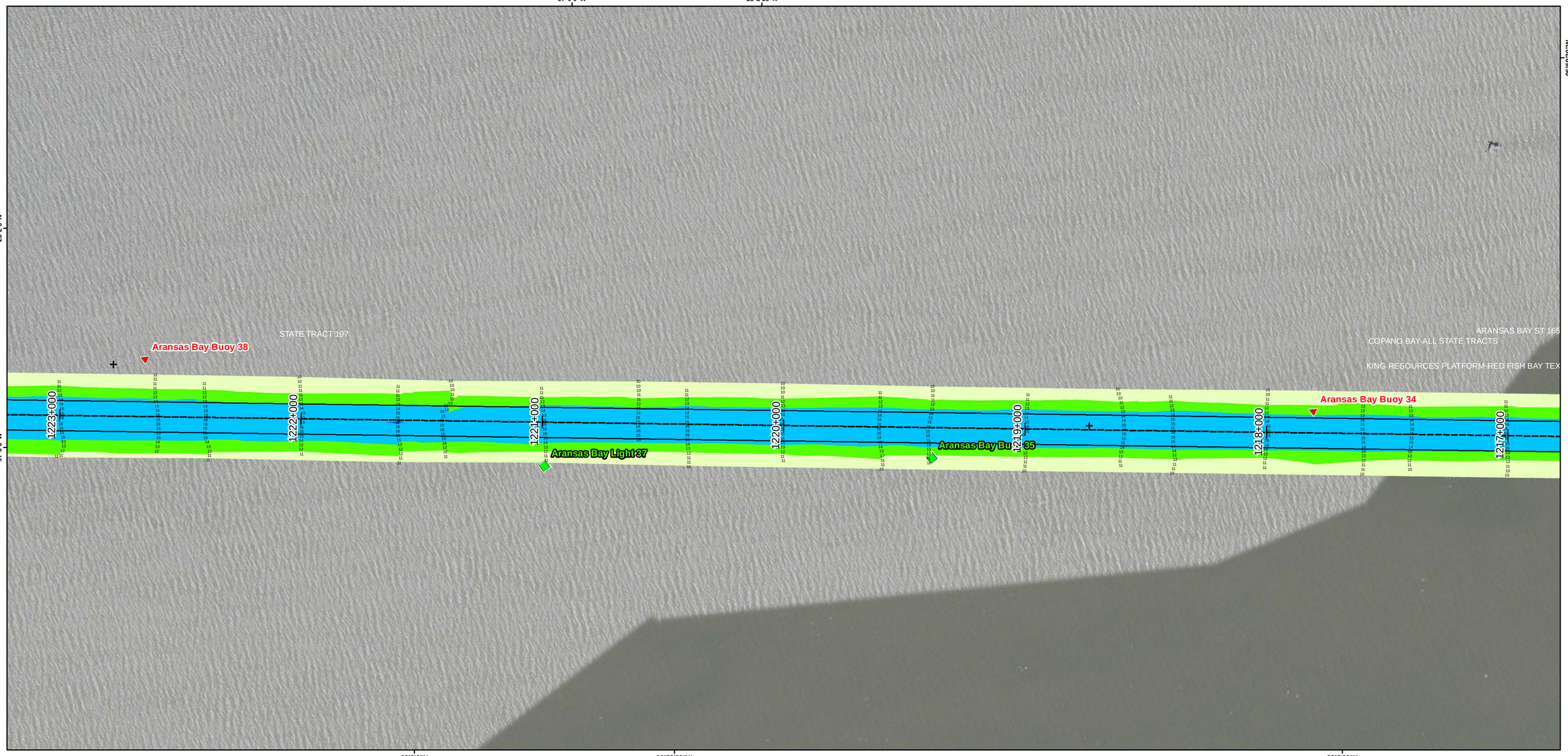
Regional Extent



NOAA Nautical Chart



97°0'0"W
28°2'30"N
96°59'30"W
28°2'0"N



Survey Date(s):	16 October 2018
Page:	177 of 190
Scale:	1:2,400
Mapped by:	M3AOXPAC
Additional Info:	
Authorized Depth:	-14ft.
Side Slope Ratio:	(Rise : Run)
Additional Imagery:	© DigitalGlobe Inc.
Print Date:	10/19/2018

Channel Features
- Channel Toe
- Channel Center Line
- Channel Station Lines
- Channel Dimensions

Aids to Navigation
- Lights
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- Green Side Aids
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MLLW

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NOAA Bathymetry (DREDGING REACH EXTENT)

0 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 50

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NOAA Nautical Chart Extent
0 0.25 0.5 1 Miles

Hydrographic Survey Extent
0 200 400 800 Feet

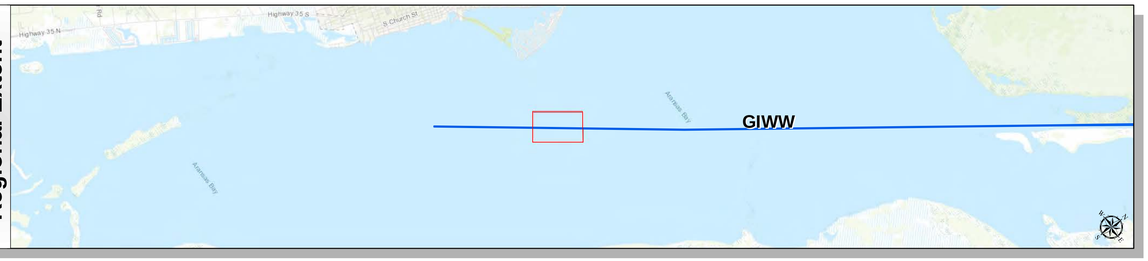
HYDROGRAPHIC SURVEY
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1178+000 to 1236+611
GIWW
, TEXAS

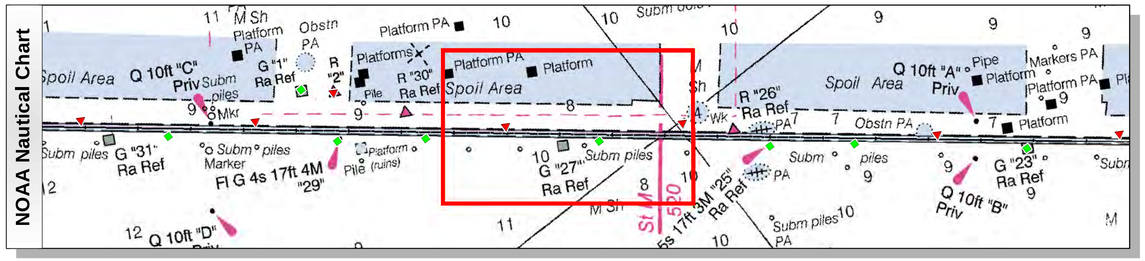
Gulf Intracoastal Waterway: Across Aransas Bay

U.S. Army Corps of Engineers
Galveston District

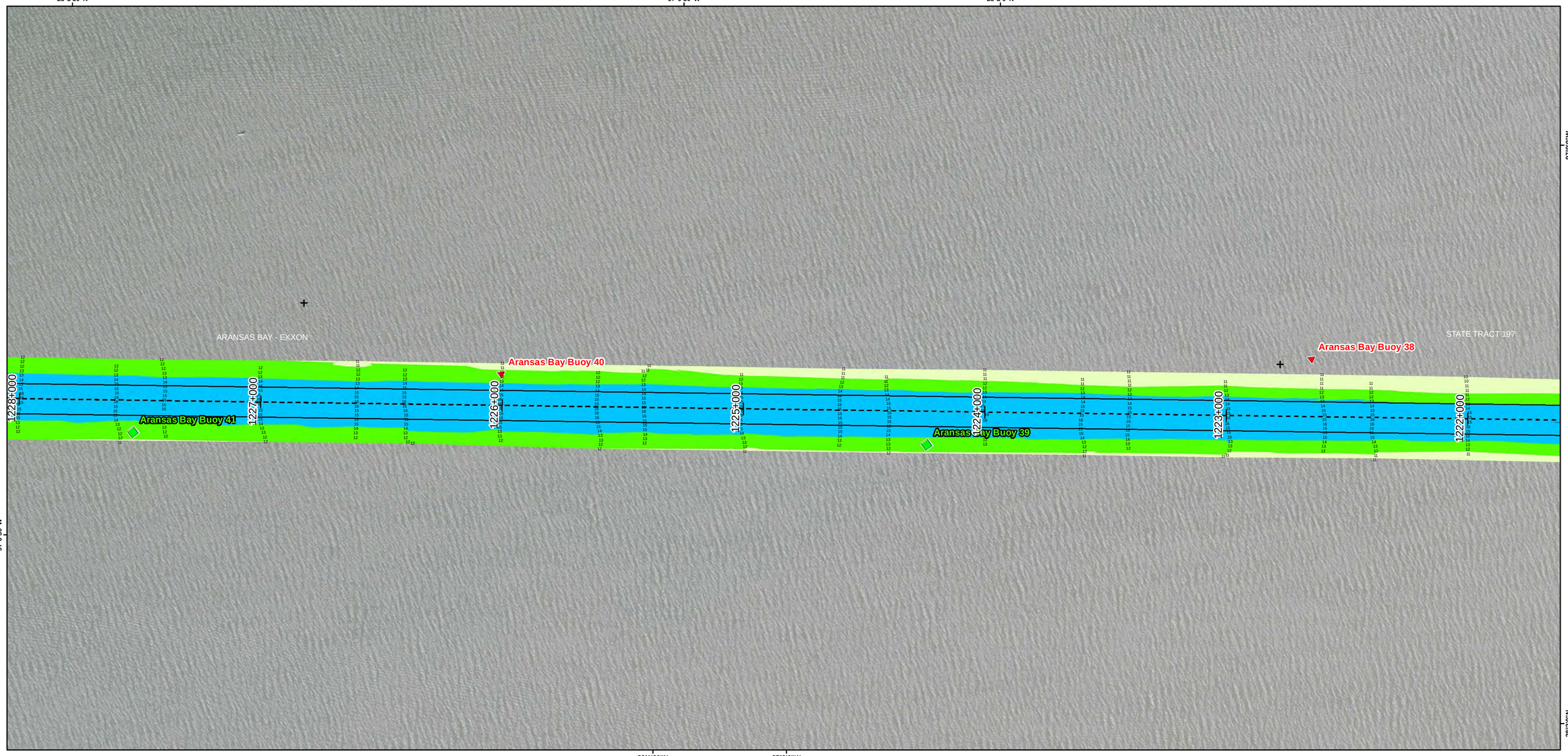
Regional Extent



NOAA Nautical Chart



28°1'30"N — 97°0'30"W — 28°2'0"N — 97°0'0"W



Survey Date(s): 16 October 2018	Authorized Depth: -14ft.
Page: 178 of 190 Map:	Side Slope Ratio: (Rise : Run)
Scale: 1:2,400	Additional Imagery: © DigitalGlobe Inc.
Mapped by: M3AOXPAC	Print Date: 10/19/2018
Additional Info:	

Channel Features
- Channel Toe
- Channel Center Line
- Channel Station Lines
- Channel Dimensions

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

MLLW

> 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18

NOAA Bathymetry (DREDGING REACH EXTENT)

0 - 10	10 - 15	15 - 20	20 - 25	25 - 30	30 - 50

NOTES:

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HYDROGRAPHIC SURVEY

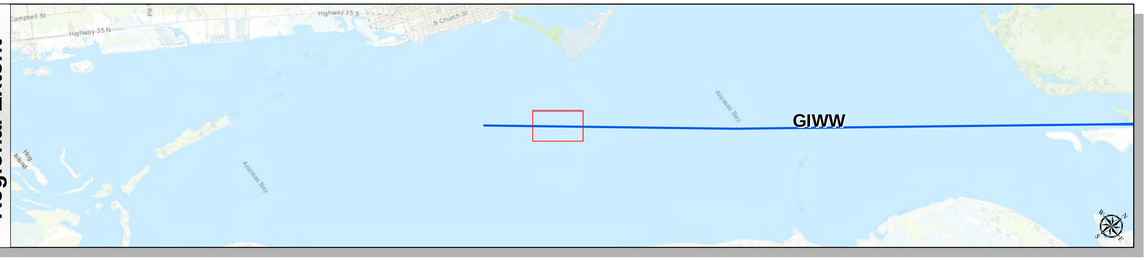
U.S. ARMY ENGINEER DISTRICT
CORPS OF ENGINEERS
GALVESTON, TEXAS

Station: 1178+000 to 1236+611
GIWW
, TEXAS

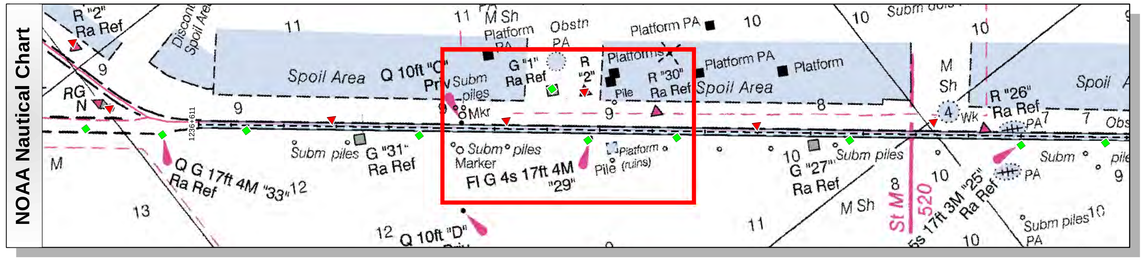
Gulf Intracoastal Waterway: Across Aransas Bay

U.S. Army Corps of Engineers
Galveston District

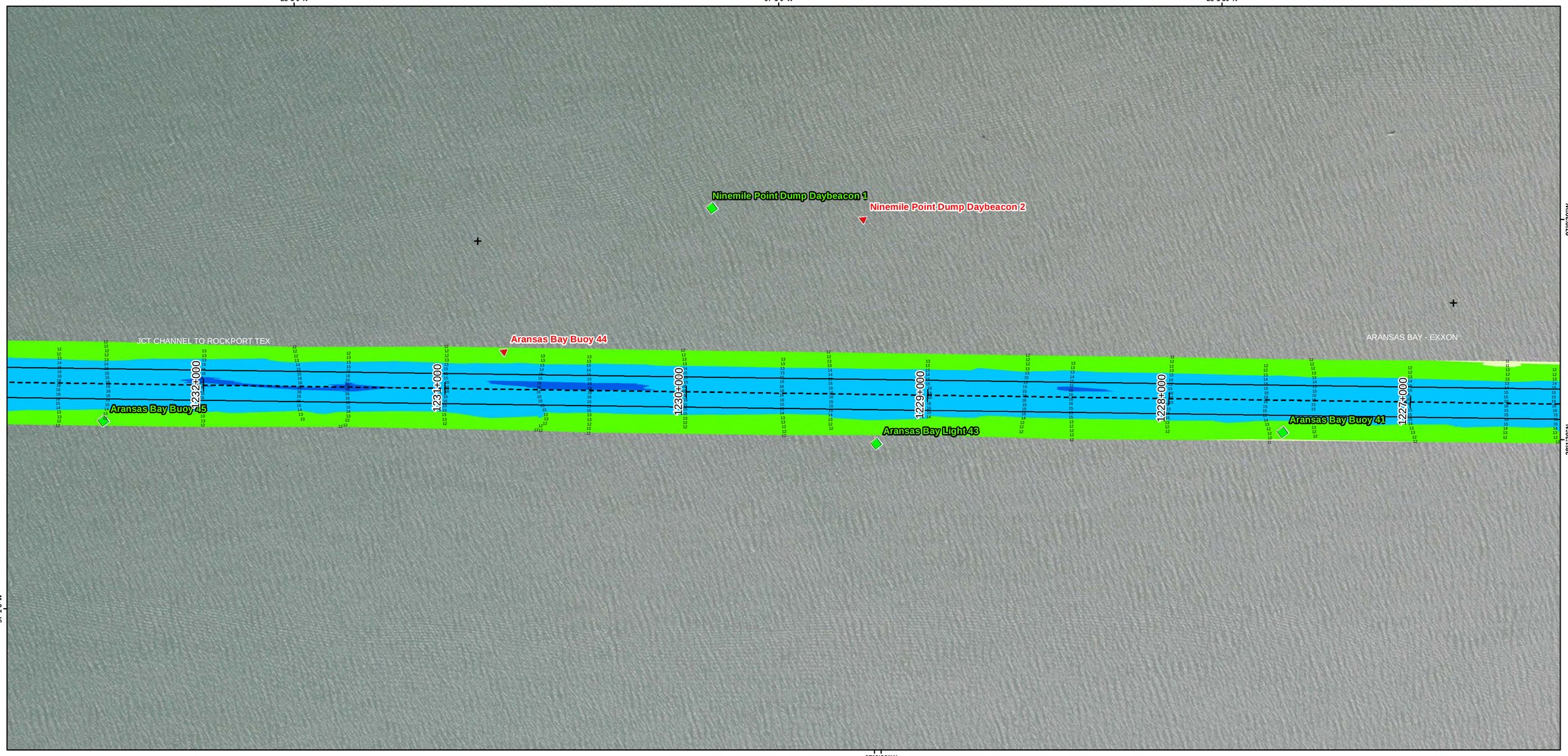
Regional Extent



NOAA Nautical Chart



28°1'0"N
97°1'0"W
28°1'30"N
97°0'30"W



28°1'0"N
97°1'0"W
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Channel Features

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MLLW

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0 - 10 | 10 - 15 | 15 - 20 | 20 - 25 | 25 - 30 | 30 - 50

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Survey Date(s): 16 October 2018
Page: 179 of 190 Map:
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Additional Info:

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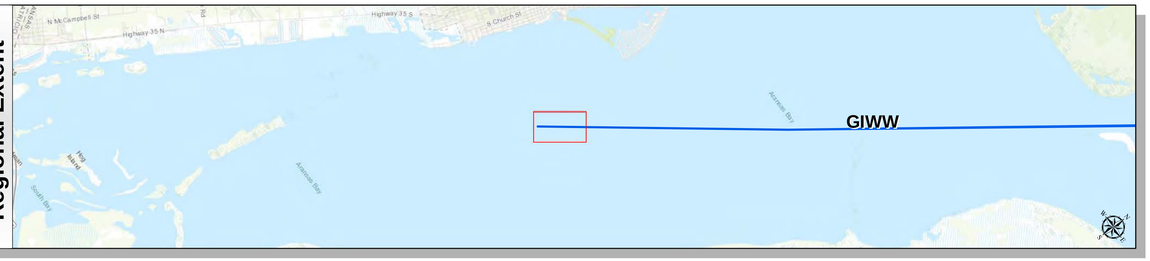
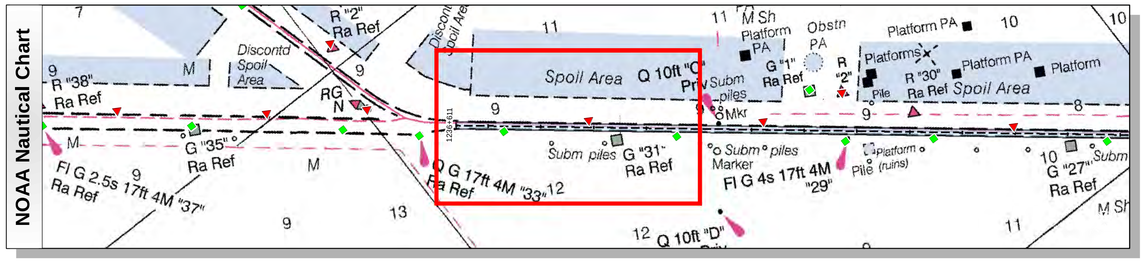


NOAA Nautical Chart



28°0'30"N
97°1'30"W
28°1'0"N
28°0'0"N
97°1'0"W

JCT IWW
BASS DOCK ROCKPORT

ARANSAS BAY STATE TRACT 212

Aransas Bay Light 49

Aransas Bay Buoy 47

Aransas Bay Buoy 46

Aransas Bay Buoy 45

JCT CHANNEL TO ROCKPORT TEX

1236+611
1236+000
1235+000
1234+000
1233+000
1232+000

Authorized Depth: -14ft.	
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> 4	4 - 6	6 - 8	8 - 10	10 - 12	12 - 14	14 - 16	16 - 18	< 18

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.

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: HTTP://WWW.SWG.USACE.ARMY.MIL/MISSIONS/NAVIGATION/HYDROGRAPHICSURVEYS/

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

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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NOAA / NOS Special Projects / Office of Coast Survey
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 0.25 0.5 1 Miles

Hydrographic Survey Extent
0 200 400 800 Feet

HYDROGRAPHIC SURVEY

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

Station: 1178+000 to 1236+611
GIWW
, TEXAS